

Data File : VU026752.D
Acq On : 14 Sep 2018 08:16
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 15 00:16:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	181705	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178009	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94143	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54056	39.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.84%
7) Chloroethane-d5	1.64	69	39872	36.54	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.08%
11) 1,1-Dichloroethene-d2	2.25	63	111539	46.03	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
21) 2-Butanone-d5	4.19	46	80244	95.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.23%
24) Chloroform-d	4.64	84	102728	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
26) 1,2-Dichloroethane-d4	5.31	65	66013	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
32) Benzene-d6	5.34	84	201901	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
36) 1,2-Dichloropropane-d6	6.33	67	69322	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.68%
41) Toluene-d8	7.57	98	192324	44.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.98%
43) trans-1,3-Dichloropropene-	7.85	79	31388	43.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.34%
47) 2-Hexanone-d5	8.32	63	62187	98.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.58%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	105021	49.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	83072	44.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56229	49.160	ug/L	99
3) Chloromethane	1.32	50	69775	46.407	ug/L	99
5) Vinyl chloride	1.40	62	73120	47.064	ug/L	99
6) Bromomethane	1.60	94	37973	41.942	ug/L	99
8) Chloroethane	1.66	64	38103	39.545	ug/L	100
9) Trichlorofluoromethane	1.84	101	100479	51.289	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	61196	54.852	ug/L	98
12) 1,1-Dichloroethene	2.26	96	55499	51.800	ug/L	94
13) Acetone	2.33	43	95402	99.405	ug/L	100
14) Carbon disulfide	2.45	76	164115	47.162	ug/L	100
15) Methyl Acetate	2.62	43	75326	55.016	ug/L	97
16) Methylene chloride	2.69	84	66581	52.657	ug/L	98
17) trans-1,2-Dichloroethene	2.97	96	57829	50.939	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	189313	54.118	ug/L	99
19) 1,1-Dichloroethane	3.44	63	117837	53.521	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	67385	52.697	ug/L	99
22) 2-Butanone	4.27	43	117845	107.244	ug/L	99

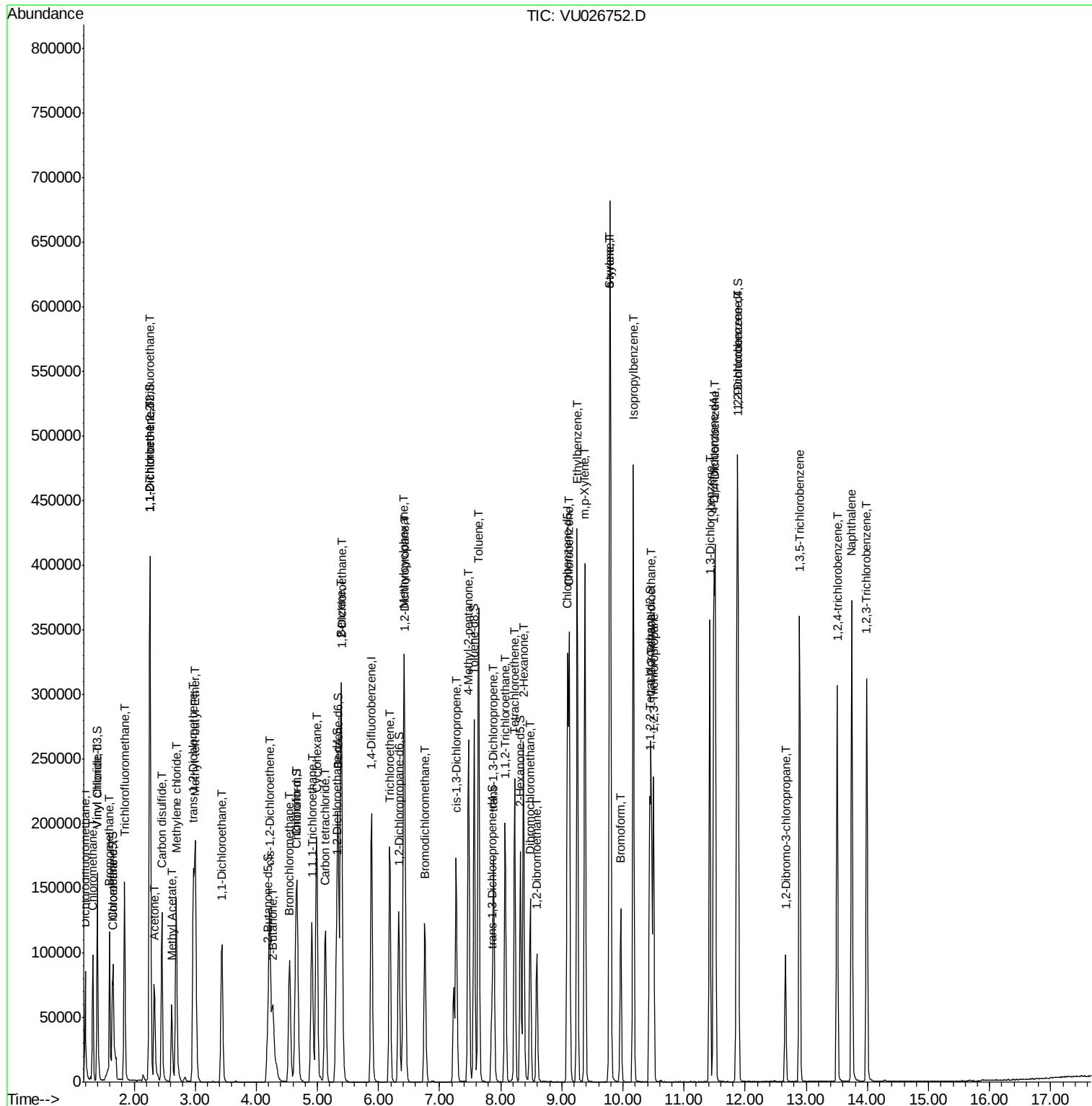
Data File : VU026752.D
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ALS Vial : 27 Sample Multiplier: 1

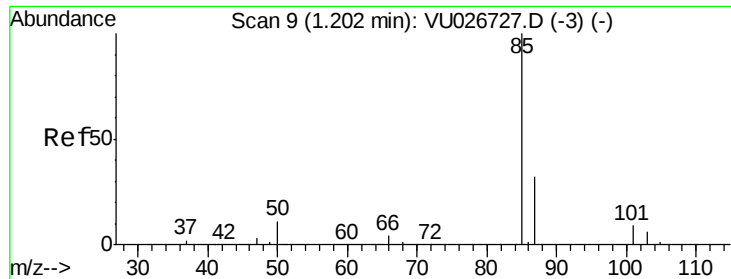
Quant Time: Sep 15 00:16:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33478	51.188	ug/L	94
25) Chloroform	4.67	83	118894	53.726	ug/L	100
27) 1,2-Dichloroethane	5.40	62	95456	54.322	ug/L	100
29) Cyclohexane	4.99	56	102964	52.806	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	97085	51.482	ug/L	99
31) Carbon tetrachloride	5.13	117	87552	51.364	ug/L	98
33) Benzene	5.39	78	260445	52.247	ug/L	100
34) Trichloroethene	6.18	95	63769	51.468	ug/L	97
35) Methylcyclohexane	6.41	83	105931	53.412	ug/L	100
37) 1,2-Dichloropropane	6.43	63	74401	53.426	ug/L	100
38) Bromodichloromethane	6.76	83	90891	53.258	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	108836	52.815	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	205322	115.584	ug/L	99
42) Toluene	7.64	91	273169	52.871	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	103337	53.903	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	68361	55.341	ug/L	99
46) Tetrachloroethene	8.23	164	53355	51.239	ug/L	99
48) 2-Hexanone	8.37	43	177522	118.367	ug/L	99
49) Dibromochloromethane	8.48	129	78122	54.715	ug/L	99
50) 1,2-Dibromoethane	8.59	107	70670	53.481	ug/L	99
51) Chlorobenzene	9.12	112	183280	54.025	ug/L	99
52) Ethylbenzene	9.25	91	300771	53.827	ug/L	99
53) m,p-Xylene	9.38	106	114929	54.549	ug/L	99
54) o-xylene	9.78	106	116889	55.900	ug/L	99
55) Styrene	9.79	104	200919	56.803	ug/L	98
56) Isopropylbenzene	10.17	105	302653	56.818	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	127157	59.420	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	95608	58.025	ug/L	100
61) Bromoform	9.96	173	63237	54.528	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	145948	53.992	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	155404	54.269	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	161008	56.358	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	23885	51.750	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	114955	53.612	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	94874	50.908	ug/L	99
69) Naphthalene	13.75	128	290796	50.921	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	102216	50.634	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.160 ug/L

RT: 1.20 min Scan# 8

Delta R.T. -0.01 min

Lab File: VU026752.D

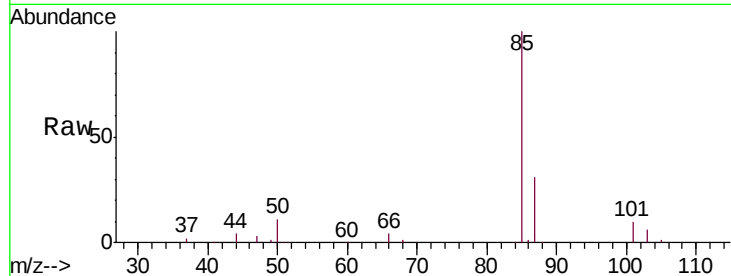
Acq: 14 Sep 2018 08:16

Tgt Ion: 85 Resp: 56229

Ion Ratio Lower Upper

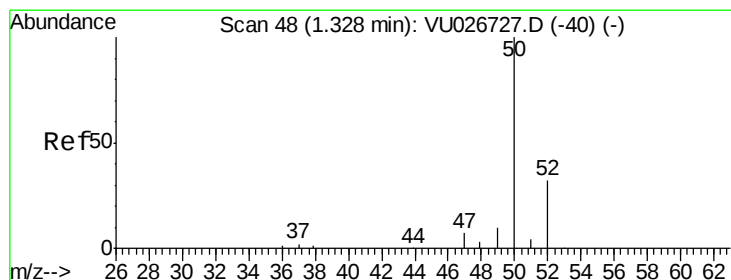
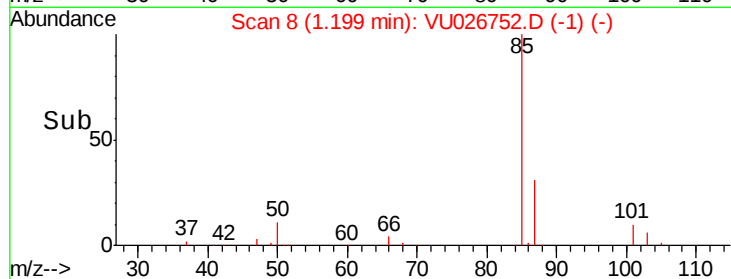
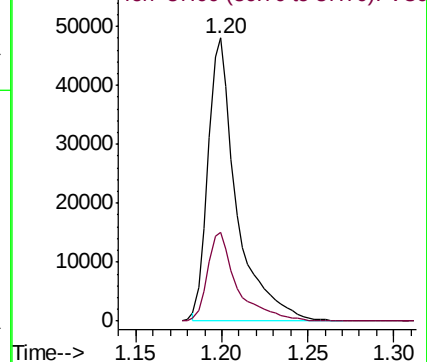
85 100

87 32.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 46.407 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU026752.D

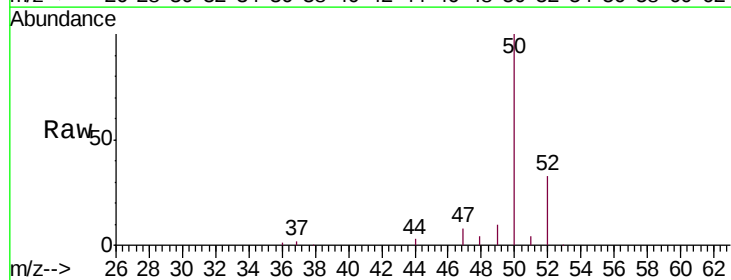
Acq: 14 Sep 2018 08:16

Tgt Ion: 50 Resp: 69775

Ion Ratio Lower Upper

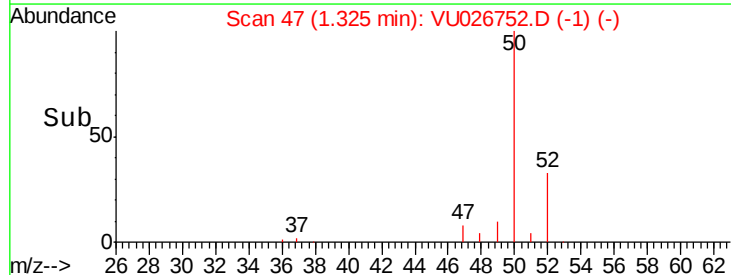
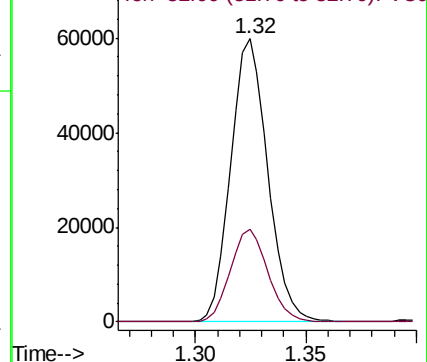
50 100

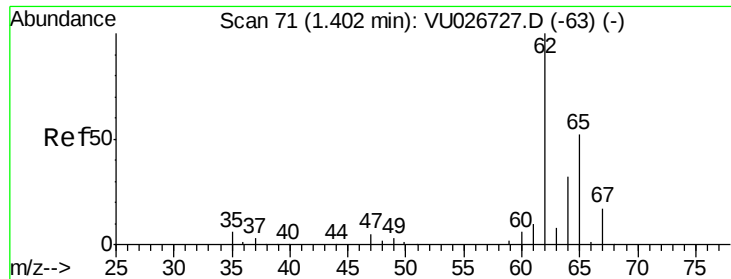
52 32.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 47.064 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.00 min

Lab File: VU026752.D

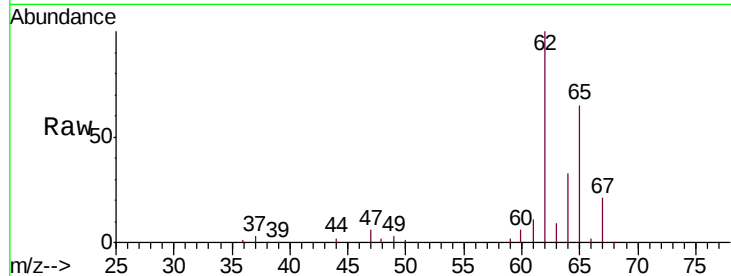
Acq: 14 Sep 2018 08:16

Tgt Ion: 62 Resp: 73120

Ion Ratio Lower Upper

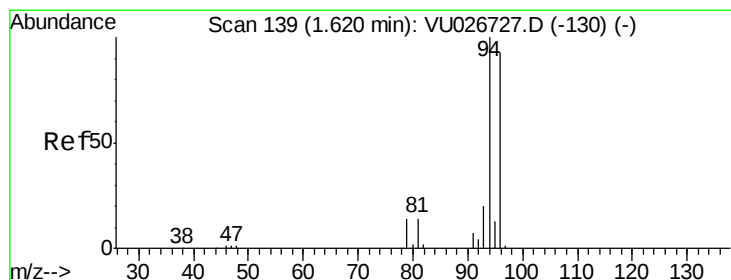
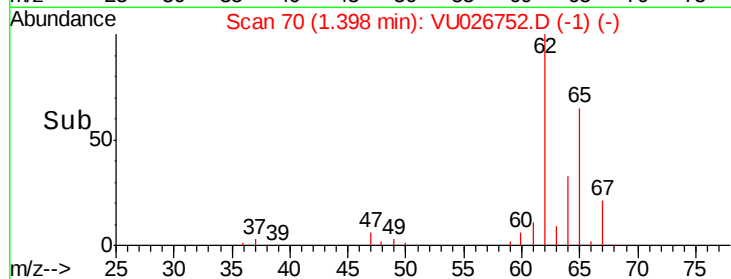
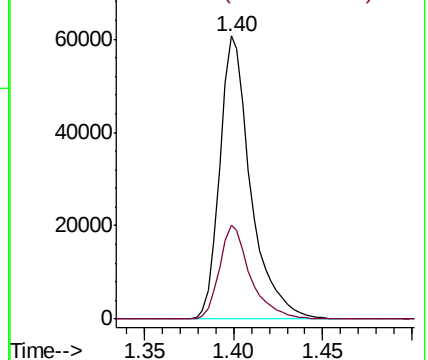
62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 41.942 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.03 min

Lab File: VU026752.D

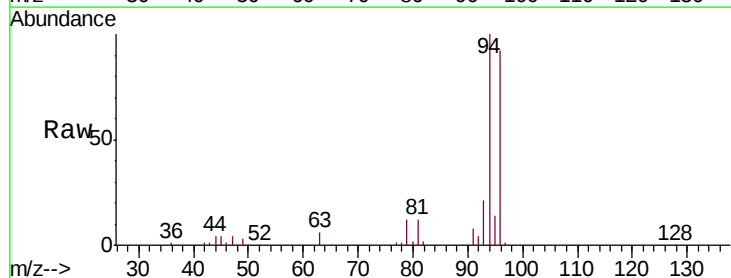
Acq: 14 Sep 2018 08:16

Tgt Ion: 94 Resp: 37973

Ion Ratio Lower Upper

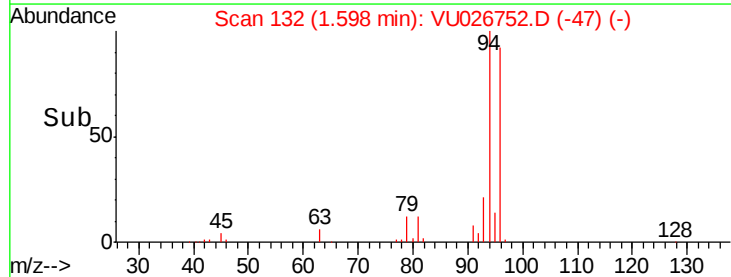
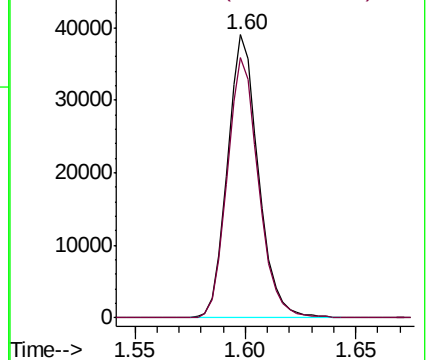
94 100

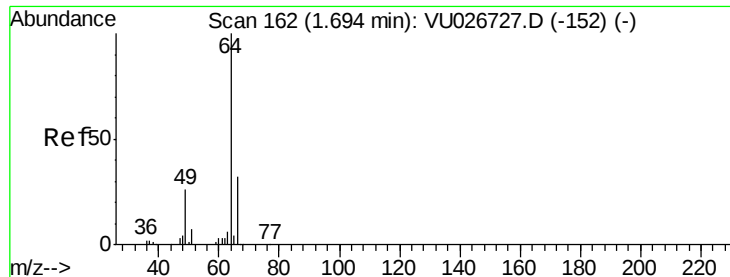
96 91.9 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 39.545 ug/L

RT: 1.66 min Scan# 151

Delta R.T. -0.04 min

Lab File: VU026752.D

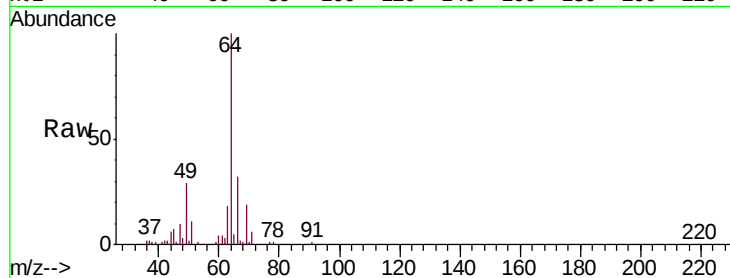
Acq: 14 Sep 2018 08:16

Tgt Ion: 64 Resp: 38103

Ion Ratio Lower Upper

64 100

66 32.2 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.66

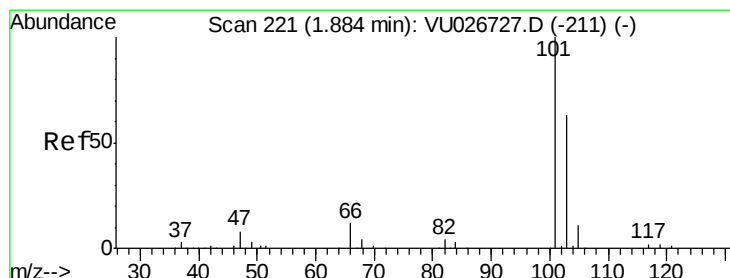
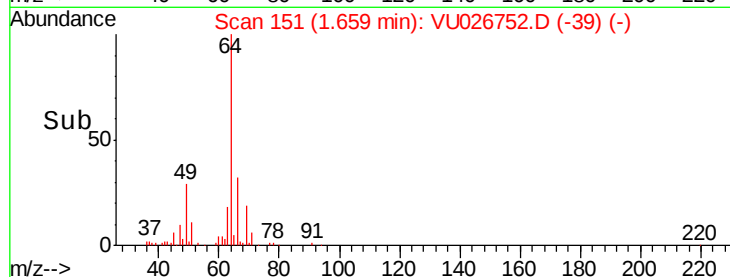
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.289 ug/L

RT: 1.84 min Scan# 208

Delta R.T. -0.04 min

Lab File: VU026752.D

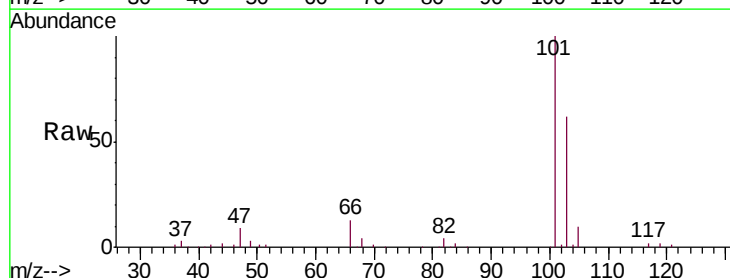
Acq: 14 Sep 2018 08:16

Tgt Ion: 101 Resp: 100479

Ion Ratio Lower Upper

101 100

103 63.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

80000

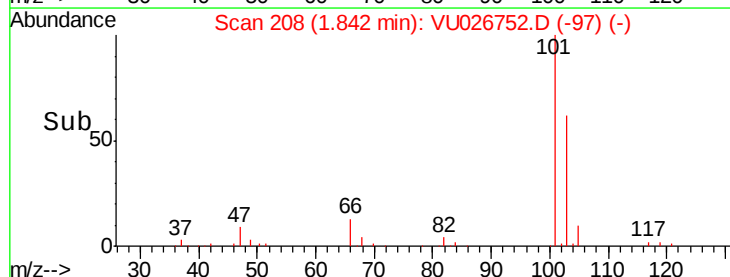
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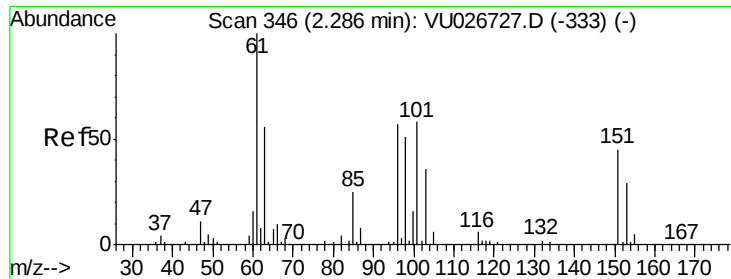
40000

20000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 54.852 ug/L

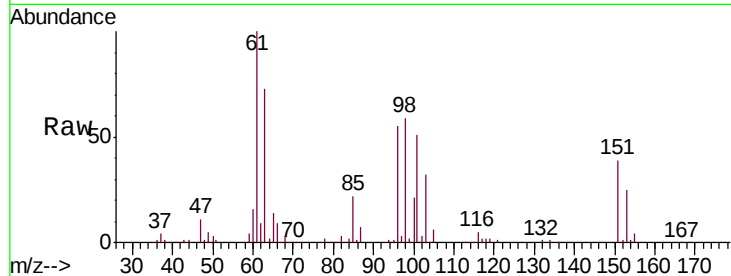
RT: 2.26 min Scan# 338

Delta R.T. -0.03 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

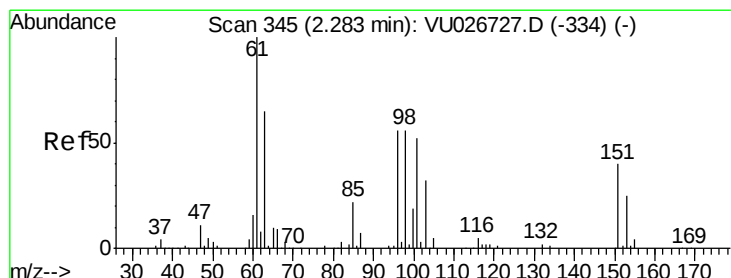
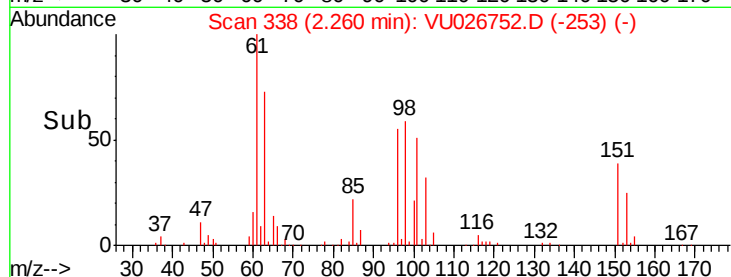
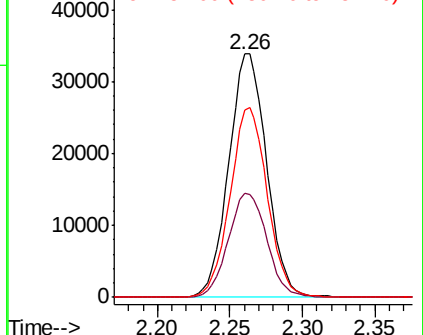
Tgt Ion:	101	Resp:	61196
Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.1	51.1
151	76.6	62.6	94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.800 ug/L

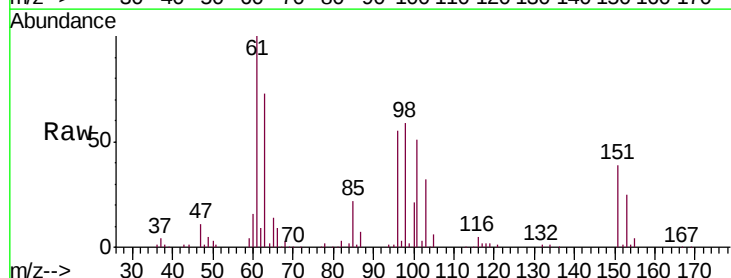
RT: 2.26 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

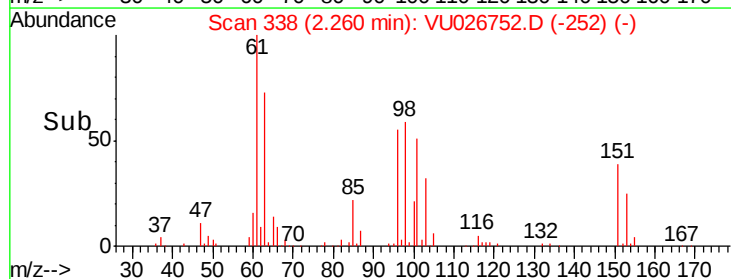
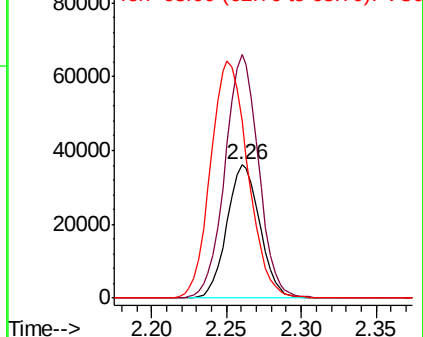
Tgt Ion:	96	Resp:	55499
Ion	Ratio	Lower	Upper
96	100		
61	183.2	121.0	224.8
63	132.9	89.9	166.9

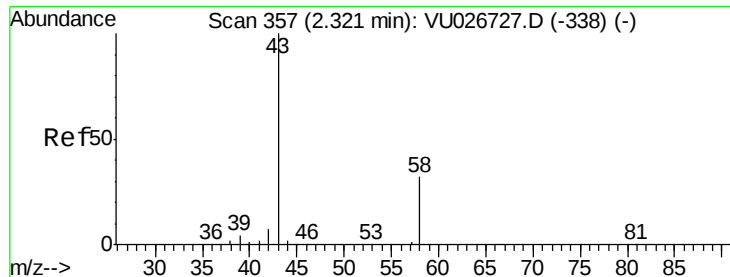


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 99.405 ug/L

RT: 2.33 min Scan# 360

Delta R.T. 0.01 min

Lab File: VU026752.D

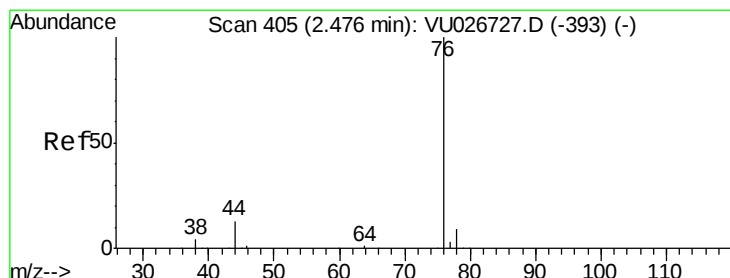
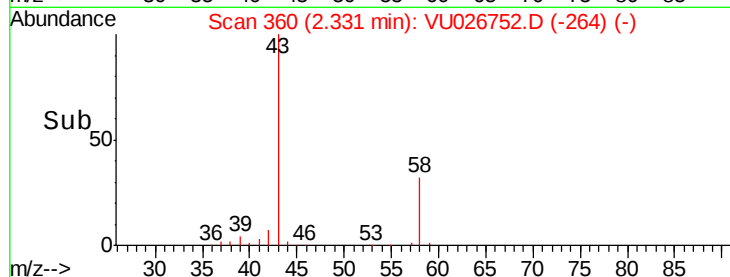
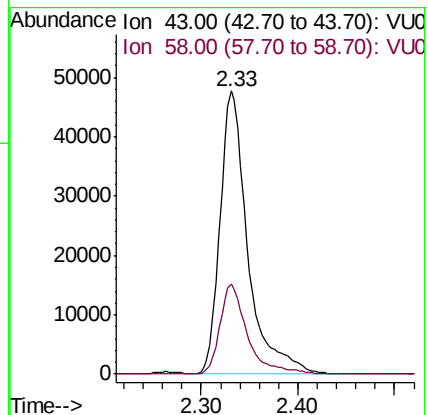
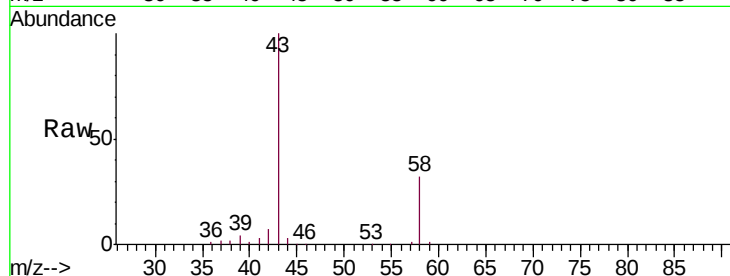
Acq: 14 Sep 2018 08:16

Tgt Ion: 43 Resp: 95402

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.8



#14

Carbon disulfide

Concen: 47.162 ug/L

RT: 2.45 min Scan# 398

Delta R.T. -0.03 min

Lab File: VU026752.D

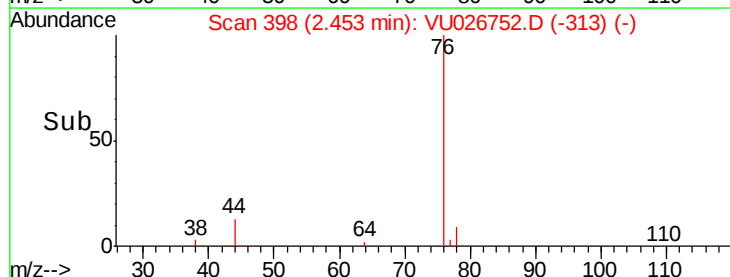
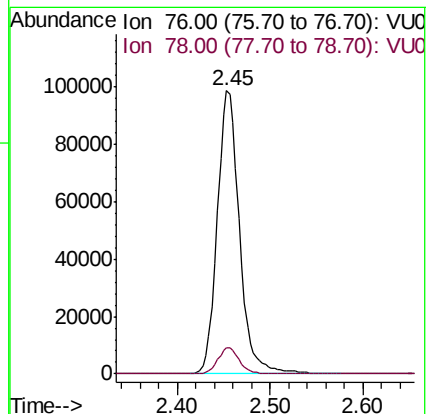
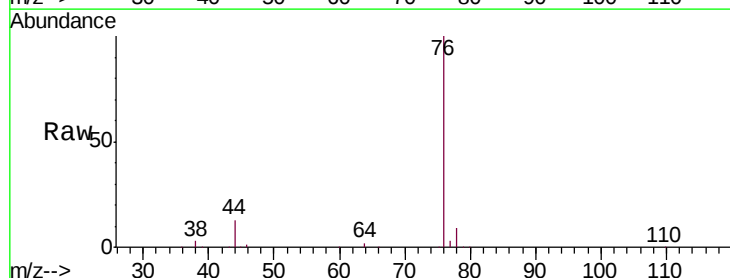
Acq: 14 Sep 2018 08:16

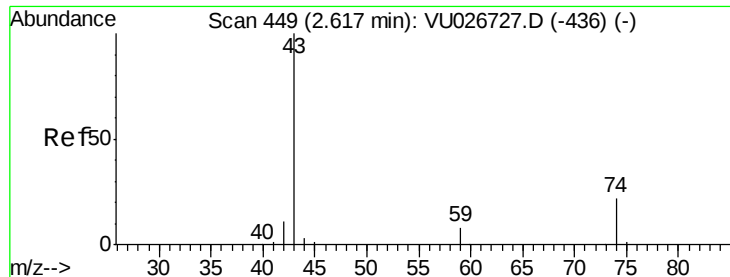
Tgt Ion: 76 Resp: 164115

Ion Ratio Lower Upper

76 100

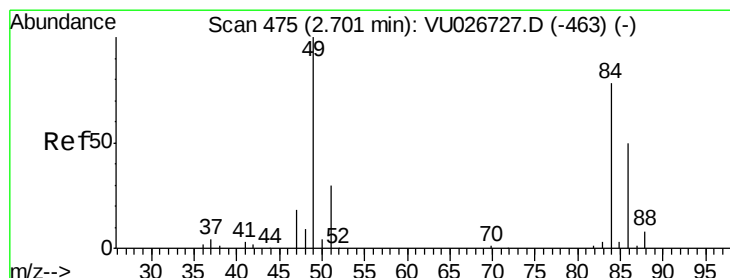
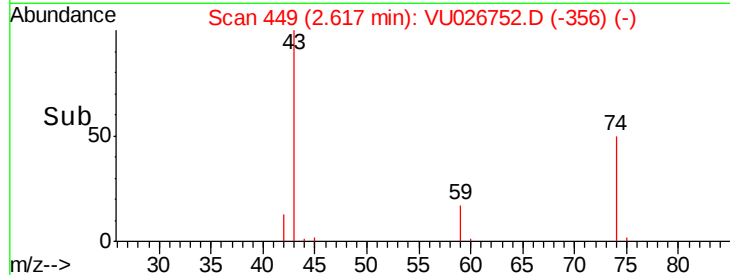
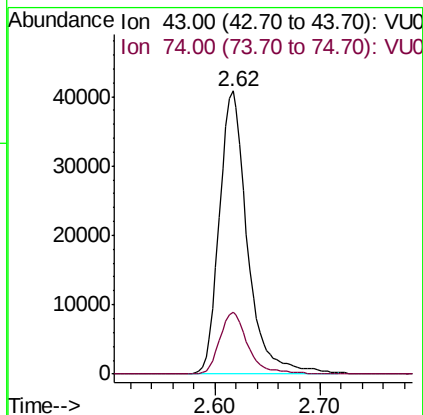
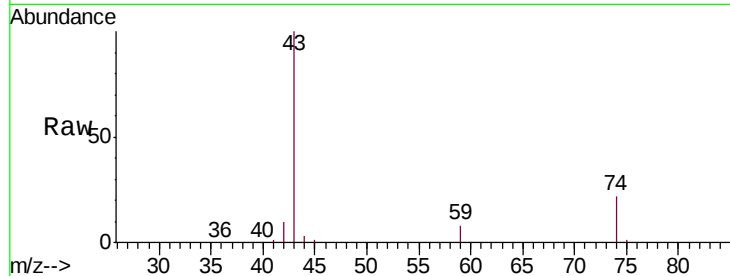
78 9.2 7.4 11.2





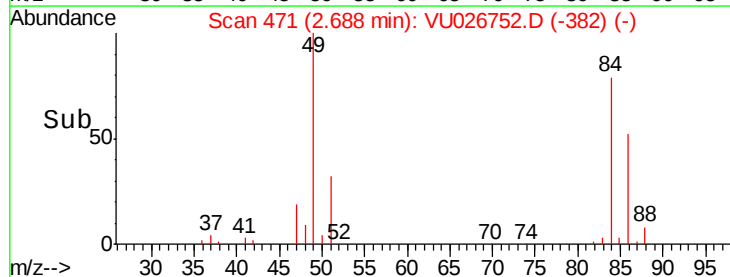
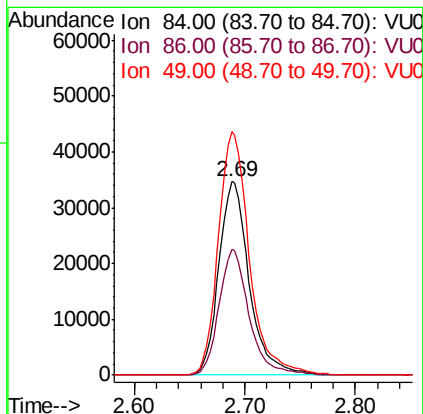
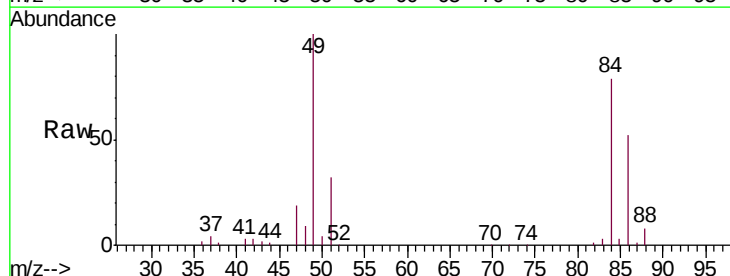
#15
Methyl Acetate
Concen: 55.016 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

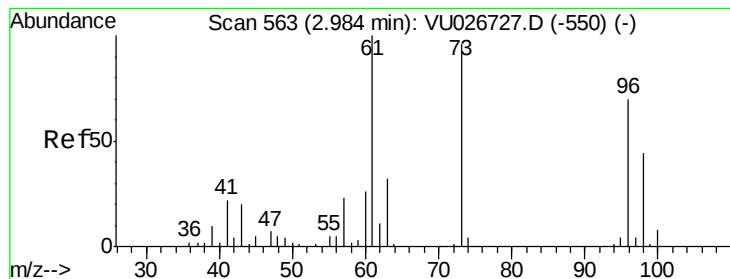
Tgt Ion: 43 Resp: 75326
Ion Ratio Lower Upper
43 100
74 21.7 18.5 27.7



#16
Methylene chloride
Concen: 52.657 ug/L
RT: 2.69 min Scan# 471
Delta R.T. -0.01 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

Tgt Ion: 84 Resp: 66581
Ion Ratio Lower Upper
84 100
86 65.0 44.1 81.9
49 126.1 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 50.939 ug/L

RT: 2.97 min Scan# 558

Delta R.T. -0.02 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

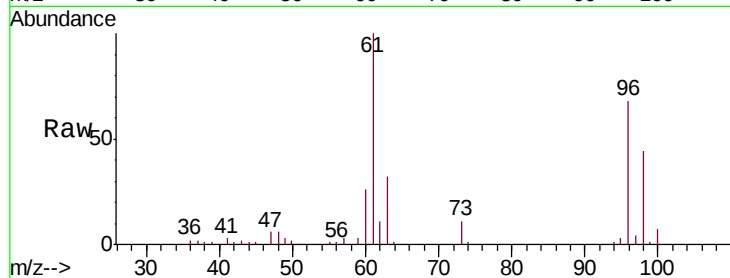
Tgt Ion: 96 Resp: 57829

Ion Ratio Lower Upper

96 100

61 146.2 99.7 185.1

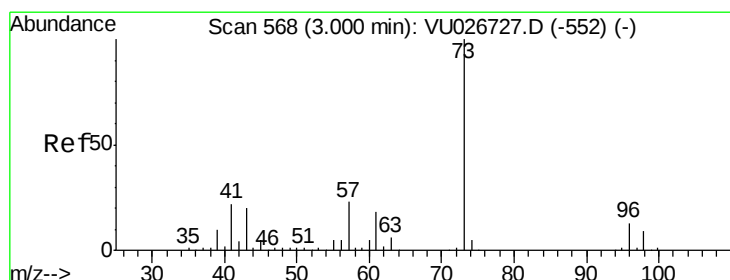
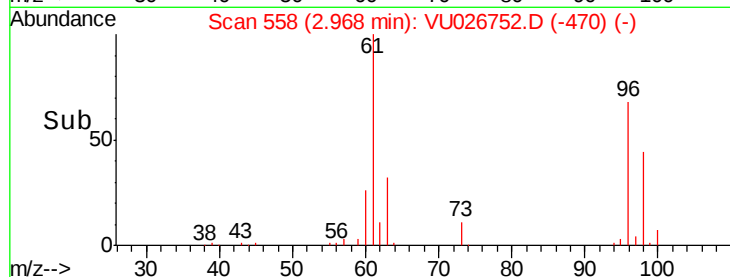
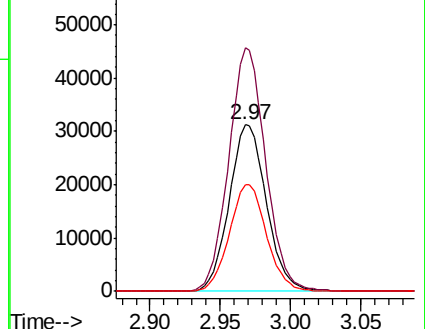
98 63.8 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 54.118 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

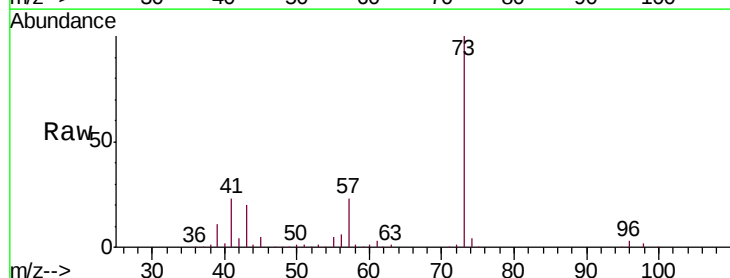
Tgt Ion: 73 Resp: 189313

Ion Ratio Lower Upper

73 100

43 20.3 16.0 24.0

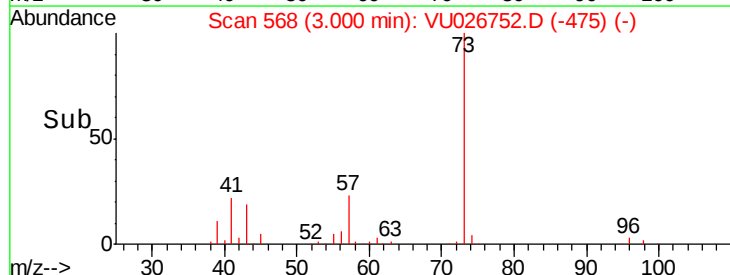
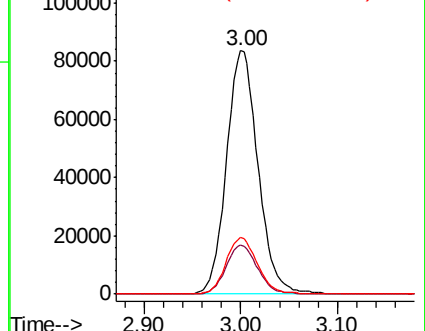
57 23.0 18.6 27.8

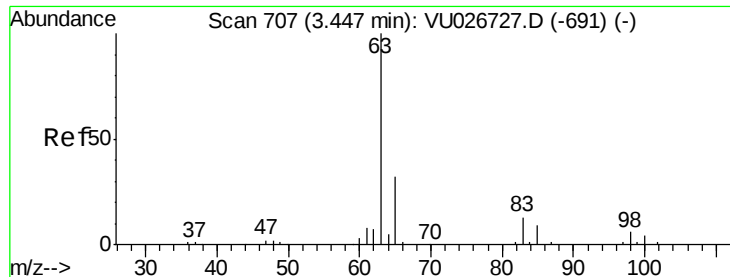


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

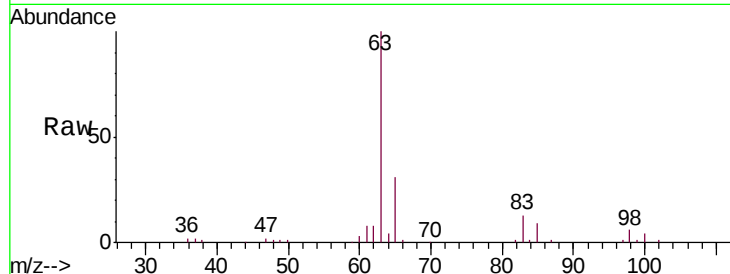
Ion 57.00 (56.70 to 57.70): VU0



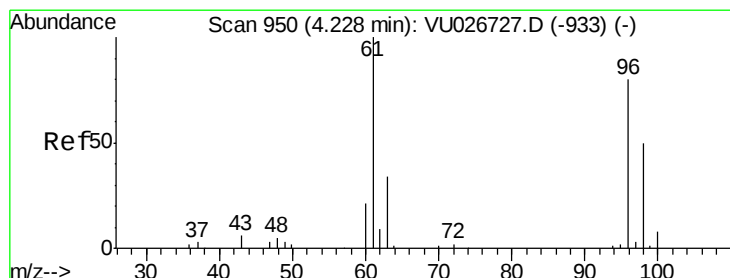
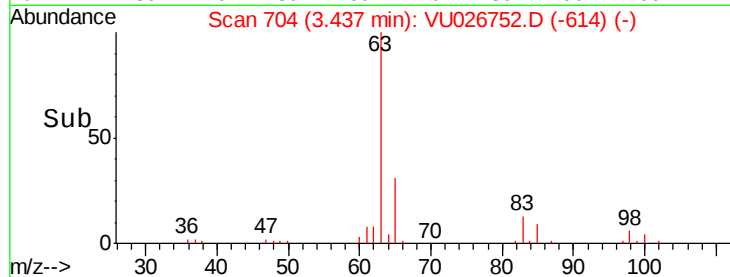
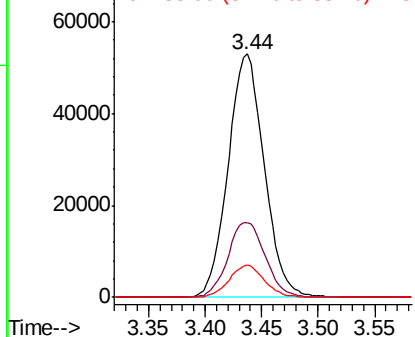


#19
 1,1-Dichloroethane
 Concen: 53.521 ug/L
 RT: 3.44 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion:	63	Resp:	117837
Ion	Ratio	Lower	Upper
63	100		
65	30.8	21.9	40.7
83	13.2	9.2	17.2

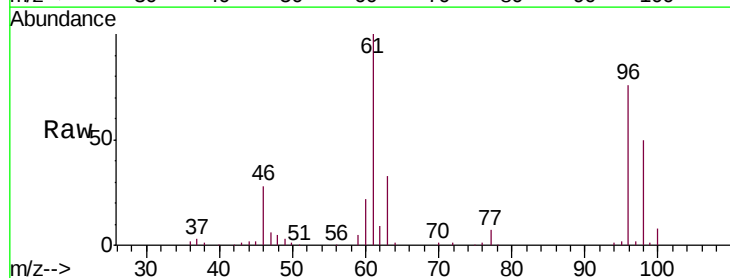


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

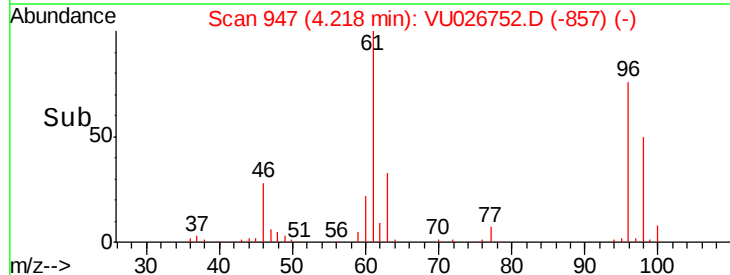
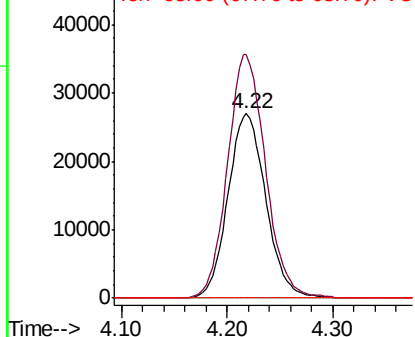


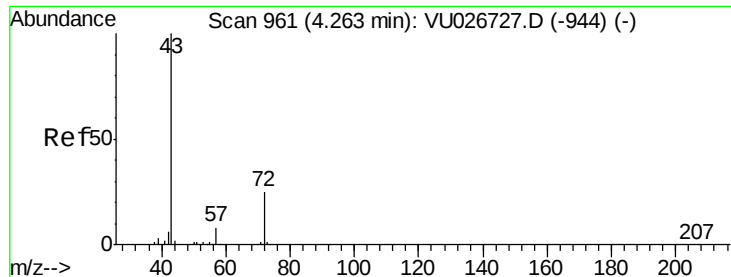
#20
 cis-1,2-Dichloroethene
 Concen: 52.697 ug/L
 RT: 4.22 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion:	96	Resp:	67385
Ion	Ratio	Lower	Upper
96	100		
61	131.7	92.9	172.5
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 107.244 ug/L

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU026752.D

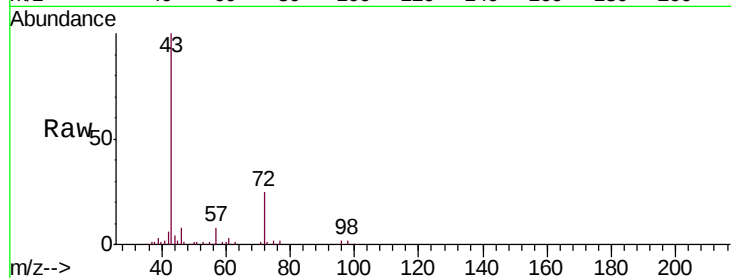
Acq: 14 Sep 2018 08:16

Tgt Ion: 43 Resp: 117845

Ion Ratio Lower Upper

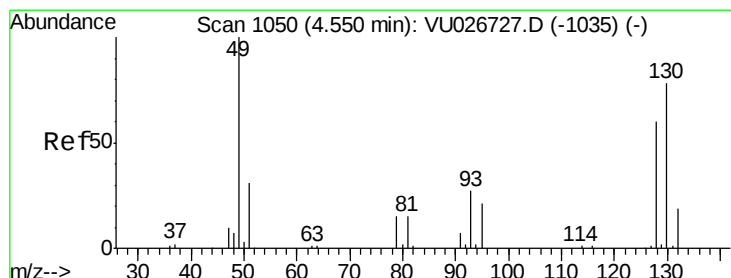
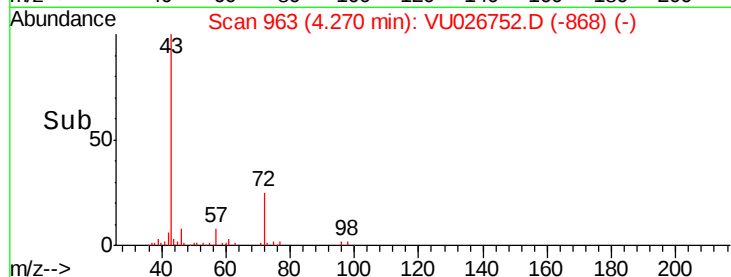
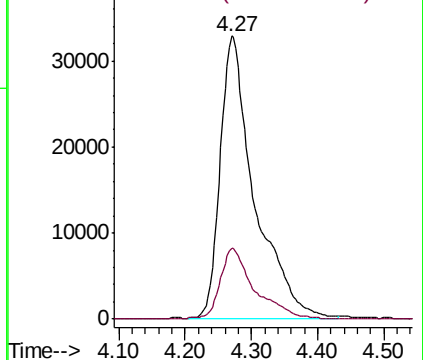
43 100

72 25.1 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 51.188 ug/L

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

Tgt Ion: 128 Resp: 33478

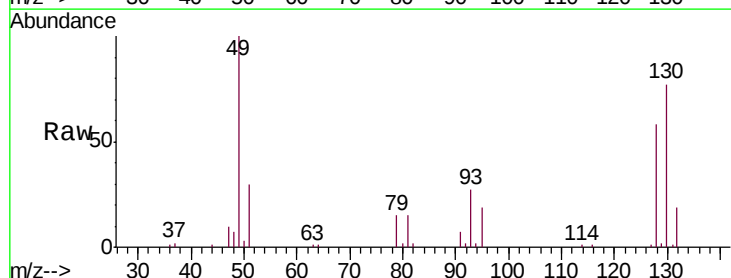
Ion Ratio Lower Upper

128 100

49 171.5 111.7 207.5

130 132.0 89.0 165.2

51 51.4 42.0 63.0

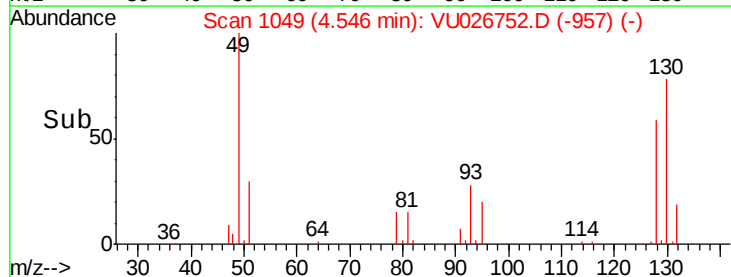
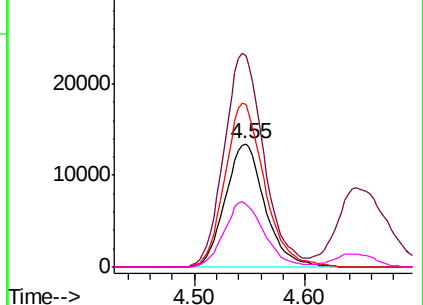


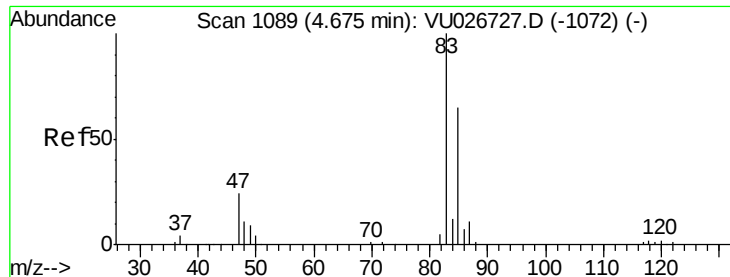
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0





#25

Chloroform

Concen: 53.726 ug/L

RT: 4.67 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VU026752.D

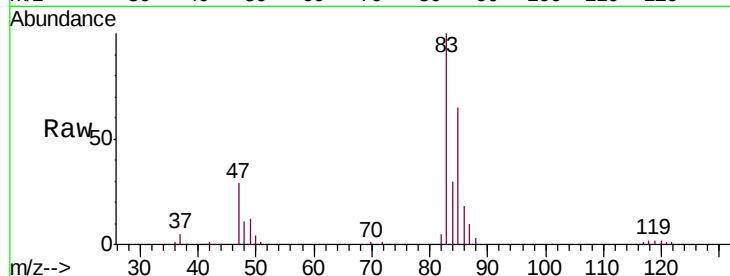
Acq: 14 Sep 2018 08:16

Tgt Ion: 83 Resp: 118894

Ion Ratio Lower Upper

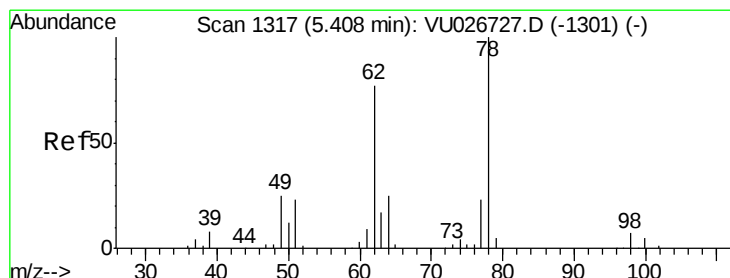
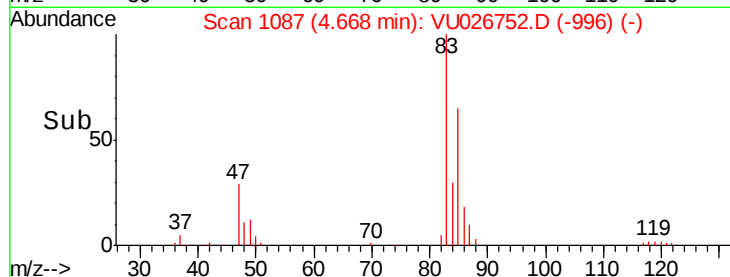
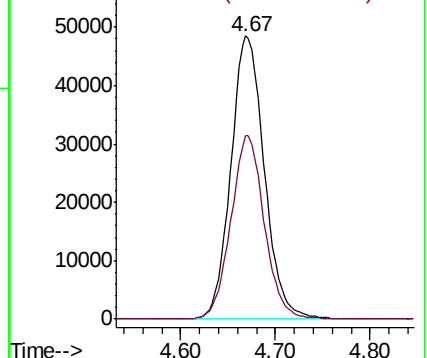
83 100

85 64.8 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 54.322 ug/L

RT: 5.40 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VU026752.D

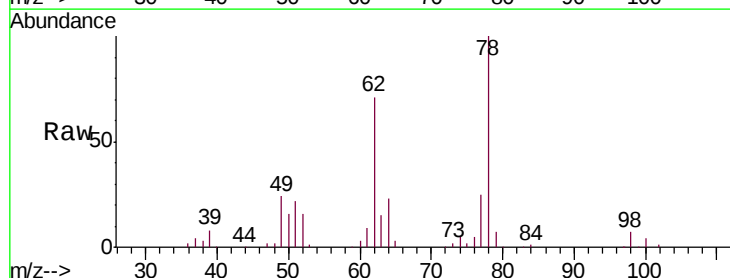
Acq: 14 Sep 2018 08:16

Tgt Ion: 62 Resp: 95456

Ion Ratio Lower Upper

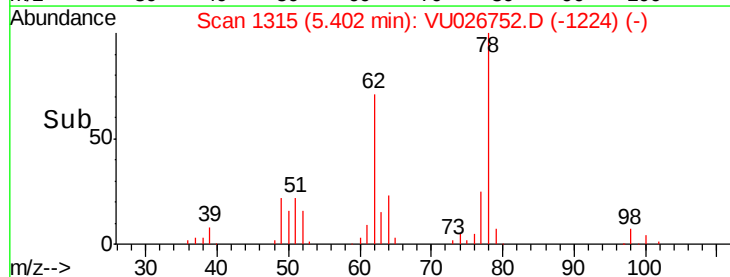
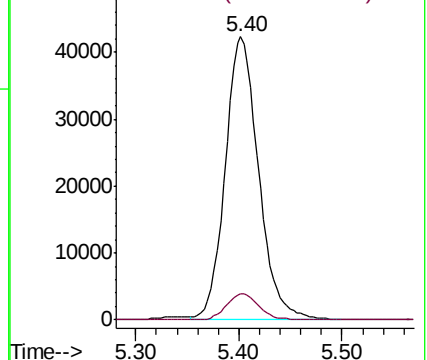
62 100

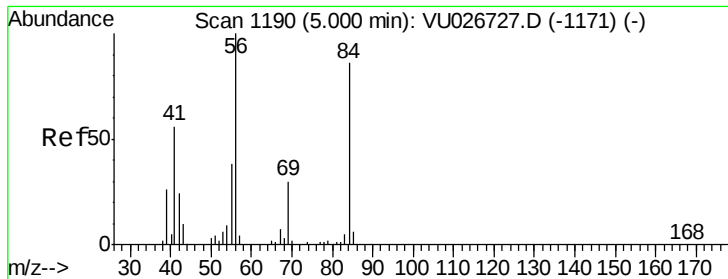
98 9.1 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#29

Cyclohexane

Concen: 52.806 ug/L

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

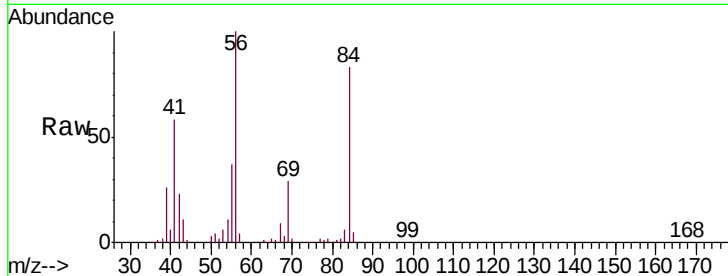
Tgt Ion: 56 Resp: 102964

Ion Ratio Lower Upper

56 100

69 28.7 23.0 34.6

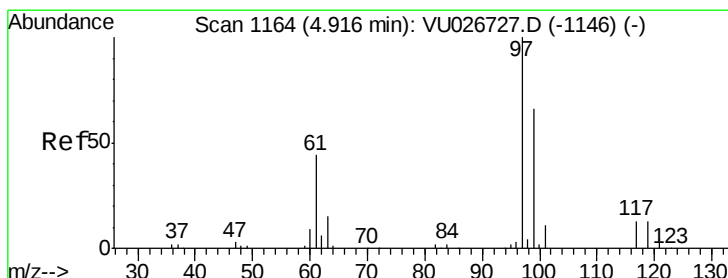
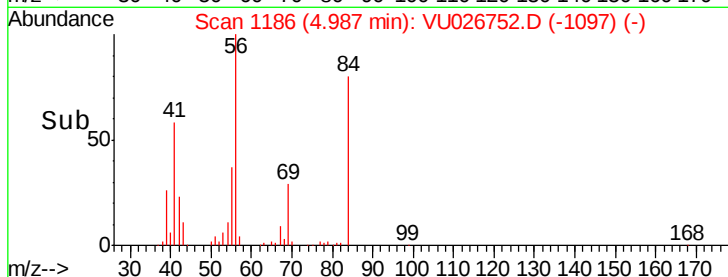
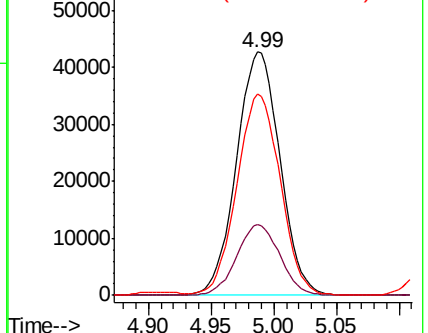
84 82.6 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 51.482 ug/L

RT: 4.91 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

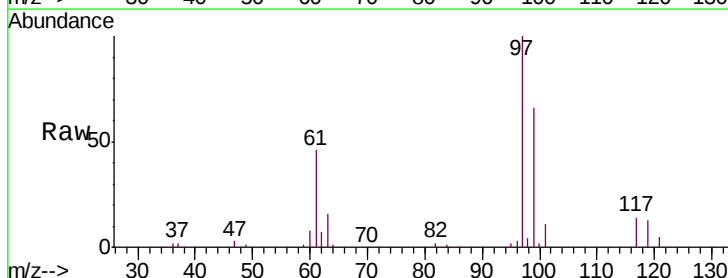
Tgt Ion: 97 Resp: 97085

Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

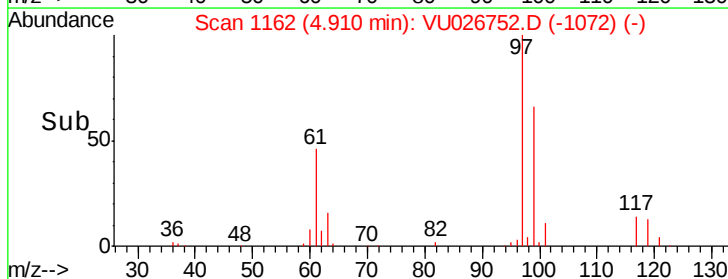
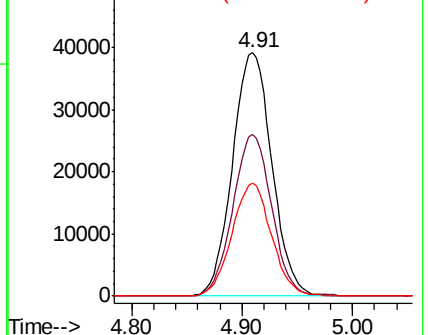
61 46.4 36.2 54.2

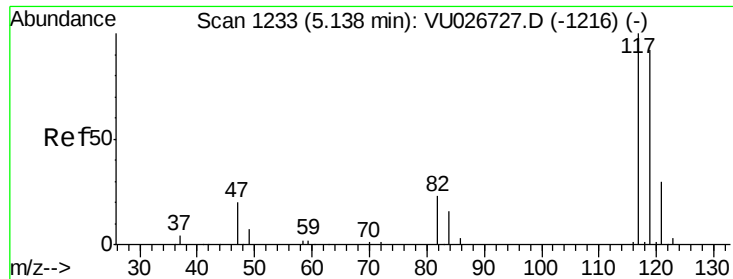


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

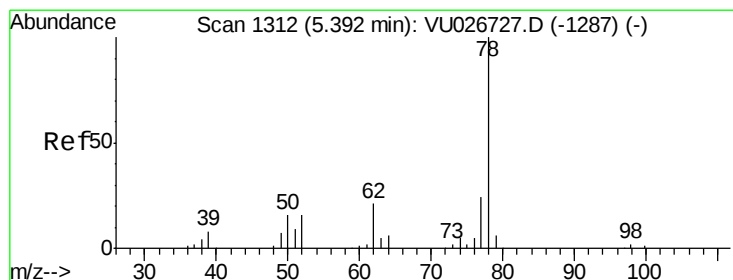
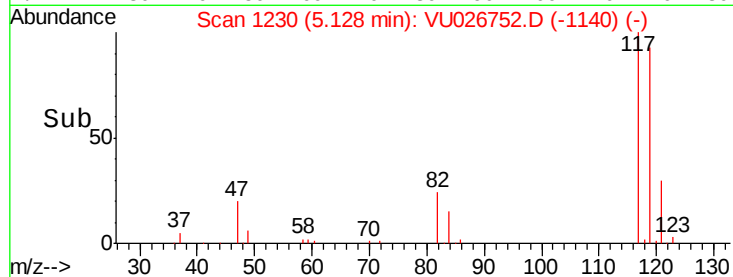
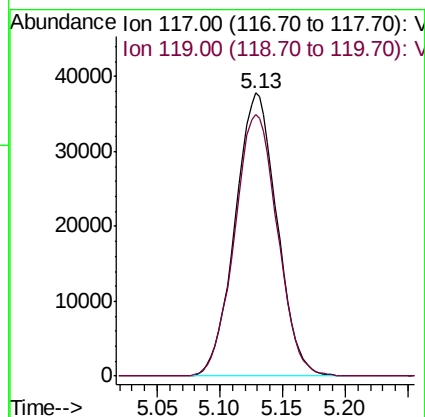
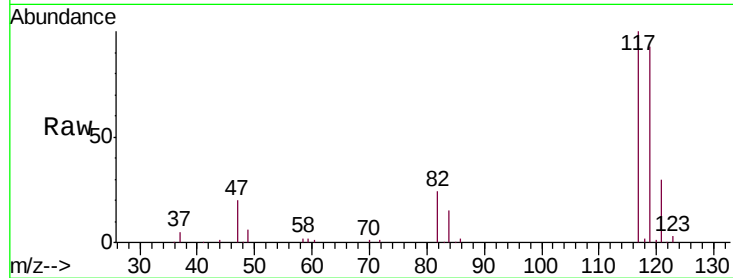
Ion 61.05 (60.75 to 61.75): VU0





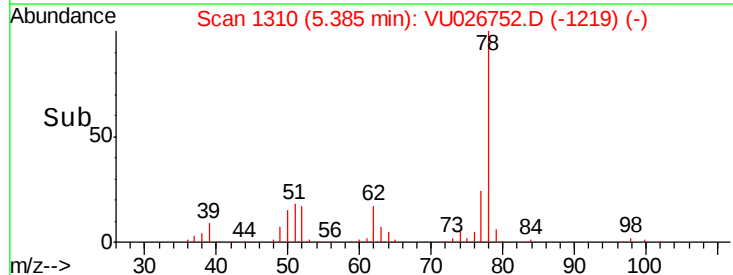
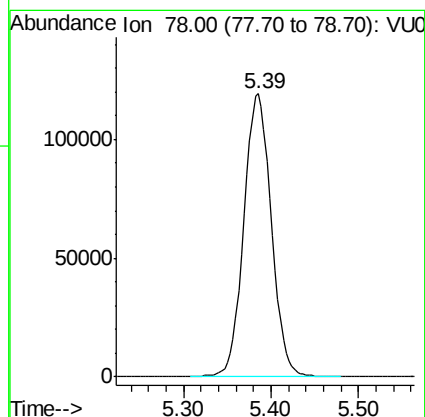
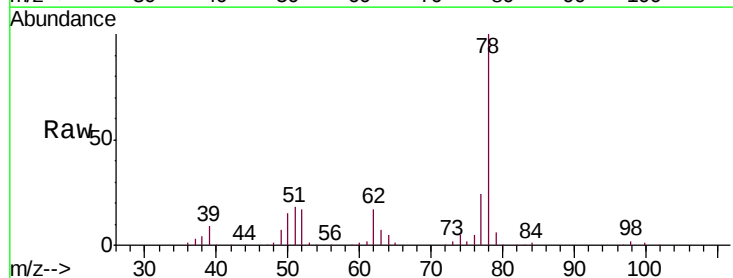
#31
Carbon tetrachloride
Concen: 51.364 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

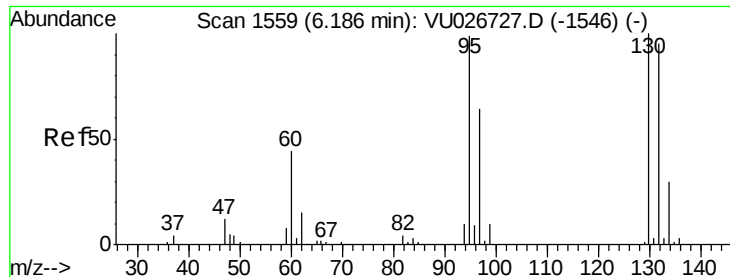
Tgt Ion: 117 Resp: 87552
Ion Ratio Lower Upper
117 100
119 95.2 77.6 116.4



#33
Benzene
Concen: 52.247 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. -0.01 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

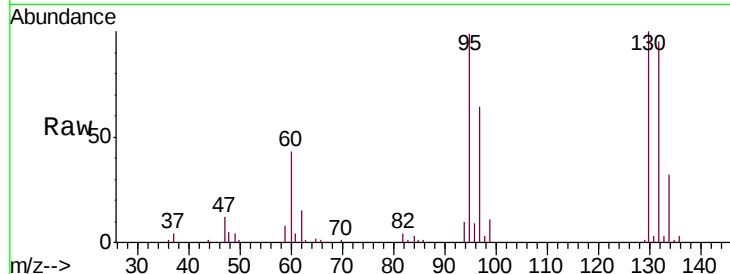
Tgt Ion: 78 Resp: 260445





#34
 Trichloroethene
 Concen: 51.468 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion:	95	Resp:	63769
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.9	83.5
132	96.1	69.7	129.5
130	100.7	72.4	134.4



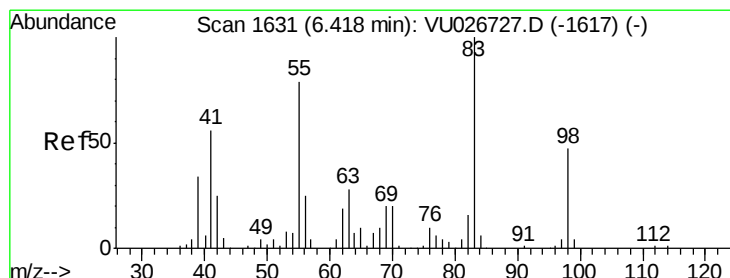
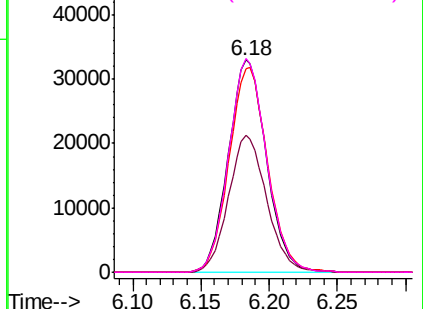
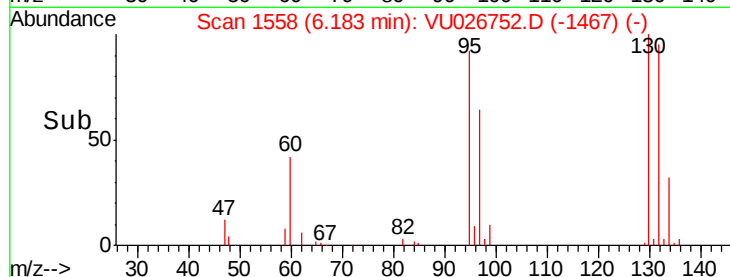
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

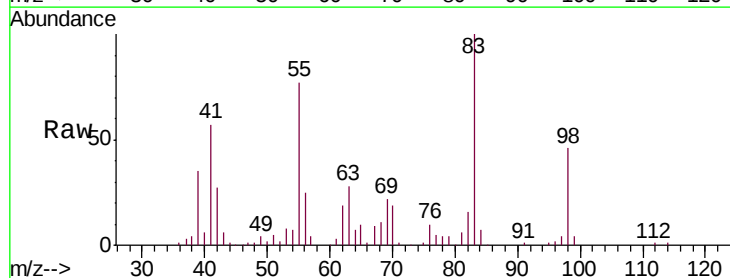
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
 Methylcyclohexane
 Concen: 53.412 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion:	83	Resp:	105931
Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.9	94.3
98	46.2	37.0	55.4

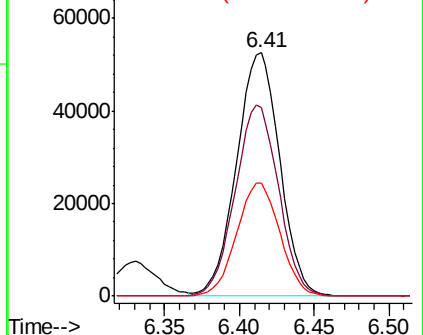
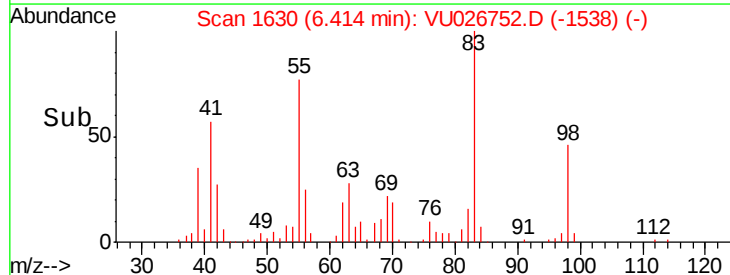


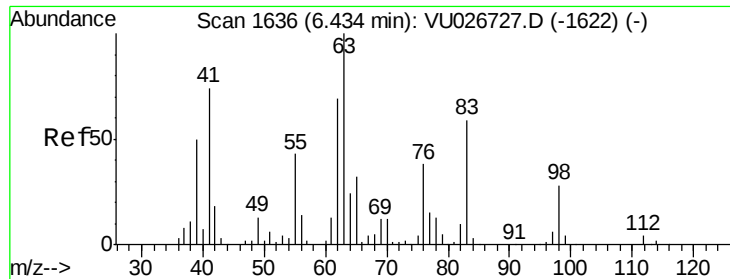
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

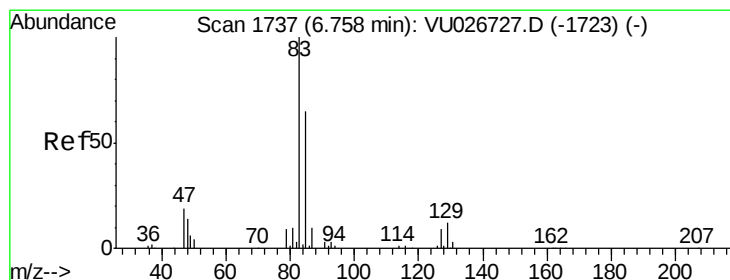
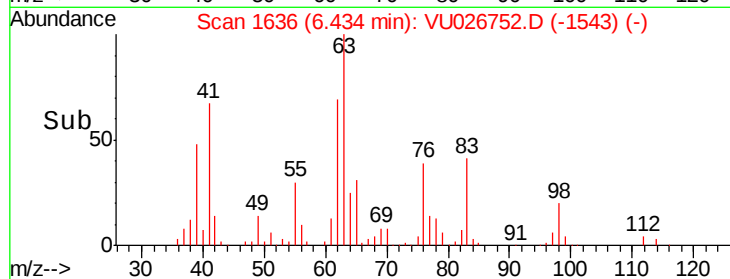
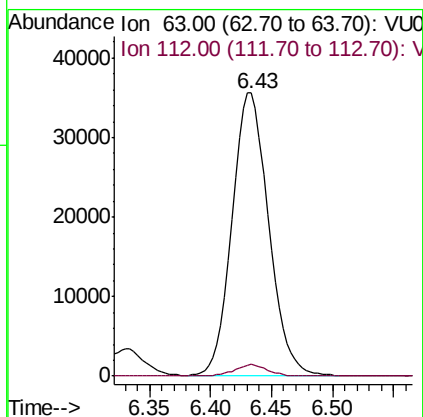
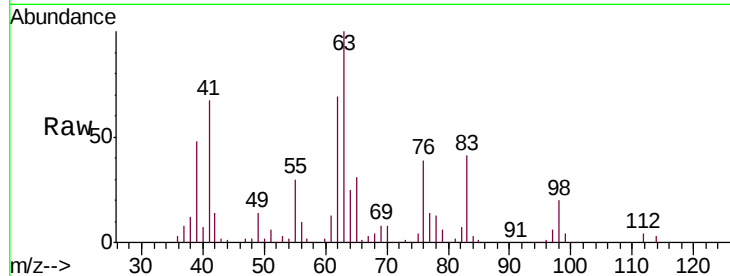
Ion 98.00 (97.70 to 98.70): VU0





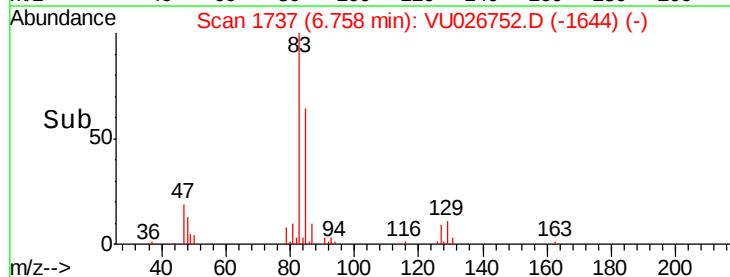
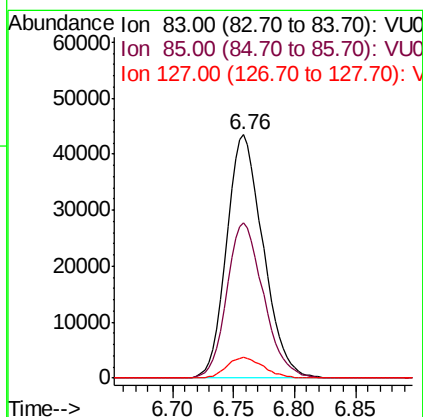
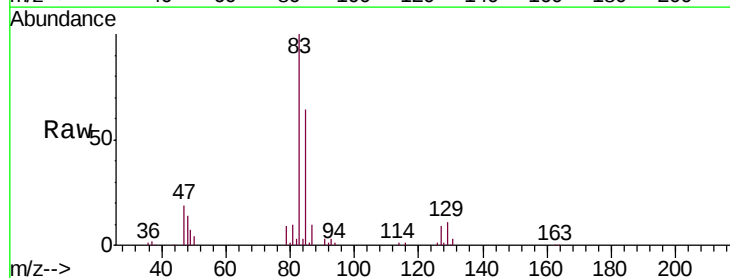
#37
 1,2-Dichloropropane
 Concen: 53.426 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

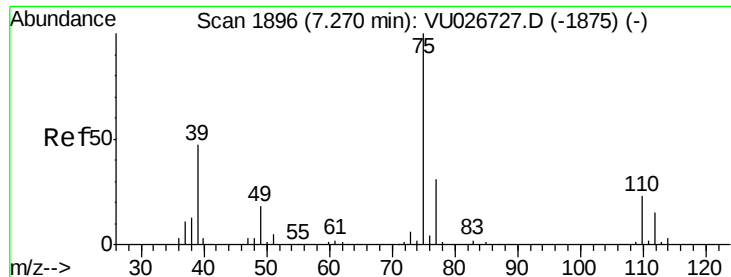
Tgt Ion: 63 Resp: 74401
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 53.258 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

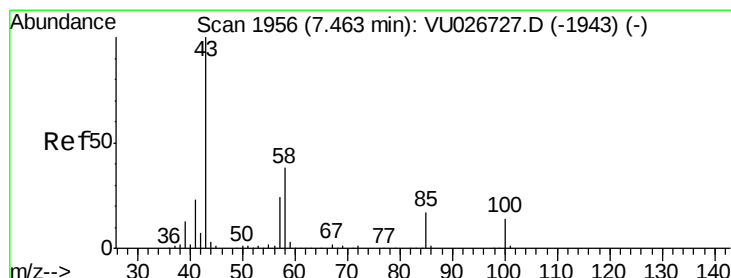
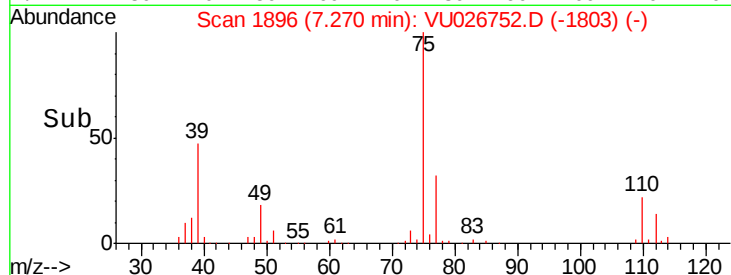
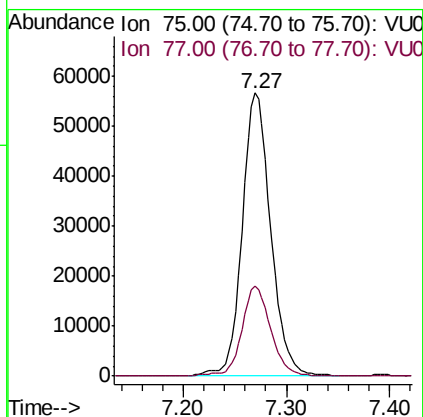
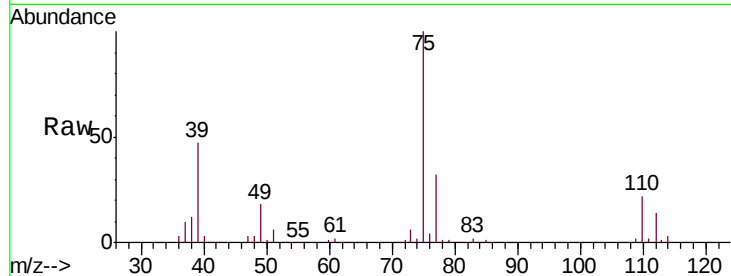
Tgt Ion: 83 Resp: 90891
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.9
 127 8.5 7.2 10.8





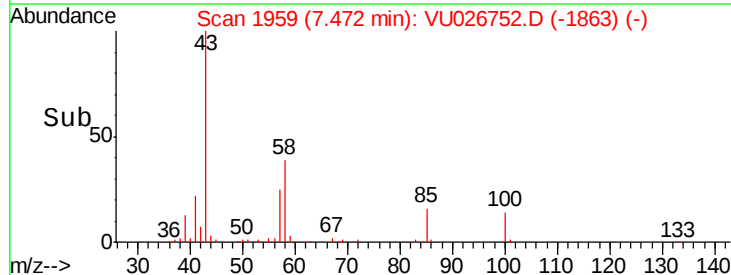
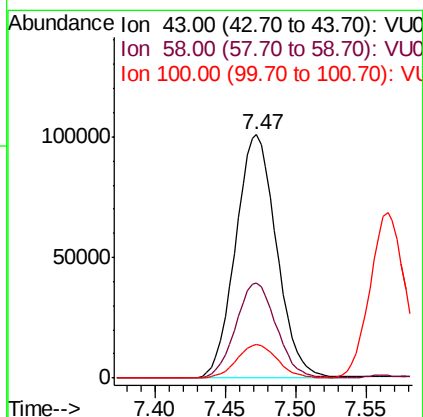
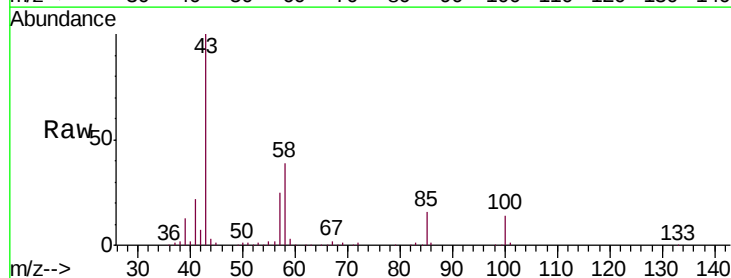
#39
 cis-1,3-Dichloropropene
 Concen: 52.815 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

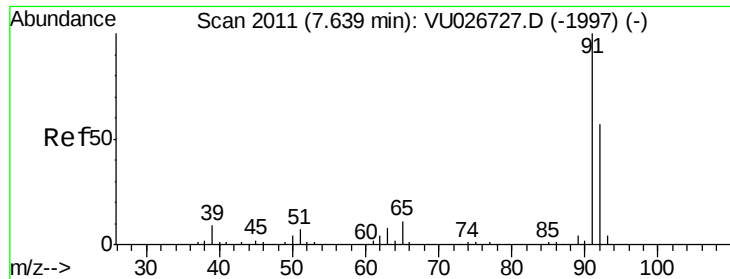
Tgt Ion: 75 Resp: 108836
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 115.584 ug/L
 RT: 7.47 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion: 43 Resp: 205322
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.1 46.7
 100 13.7 11.3 16.9





#42

Toluene

Concen: 52.871 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU026752.D

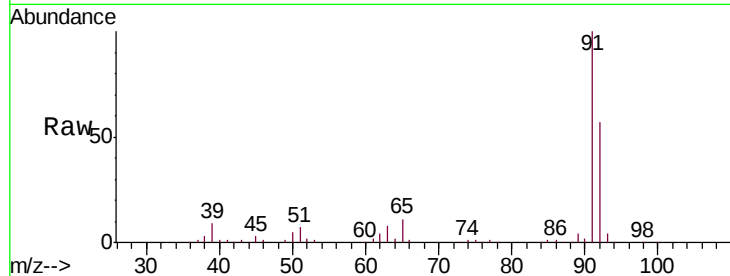
Acq: 14 Sep 2018 08:16

Tgt Ion: 91 Resp: 273169

Ion Ratio Lower Upper

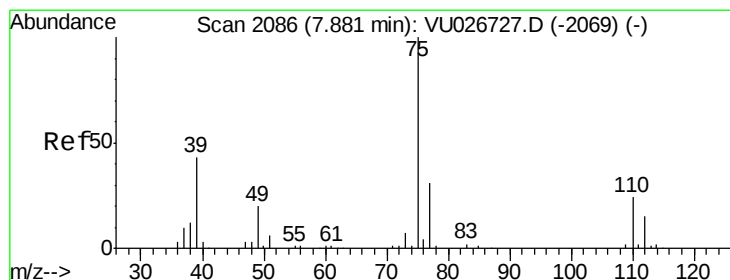
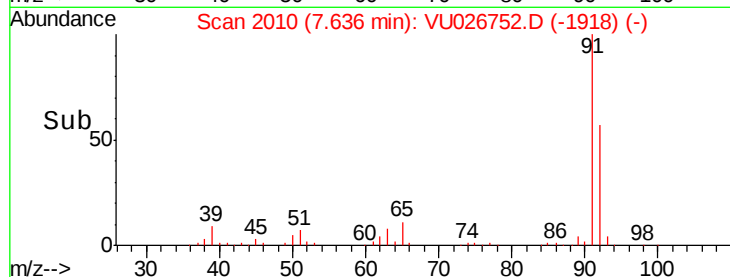
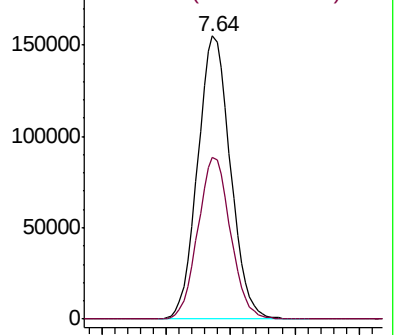
91 100

92 57.1 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 53.903 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026752.D

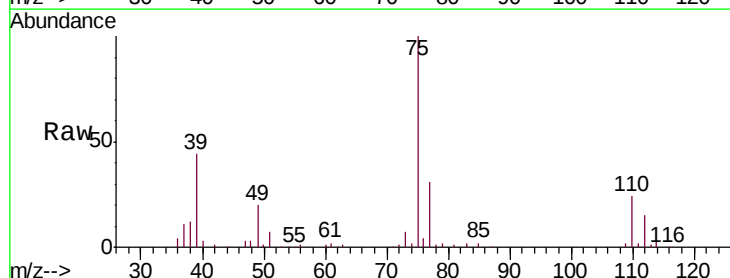
Acq: 14 Sep 2018 08:16

Tgt Ion: 75 Resp: 103337

Ion Ratio Lower Upper

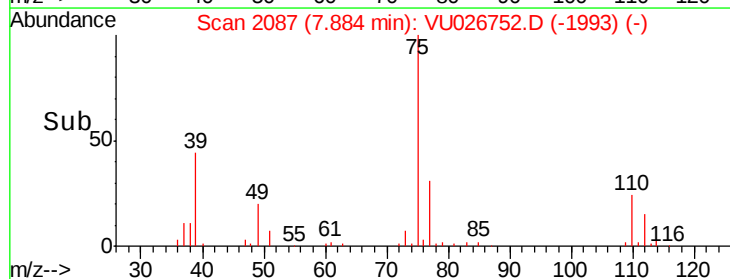
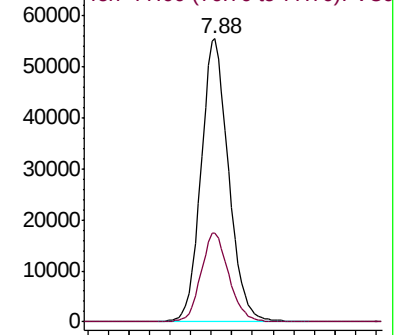
75 100

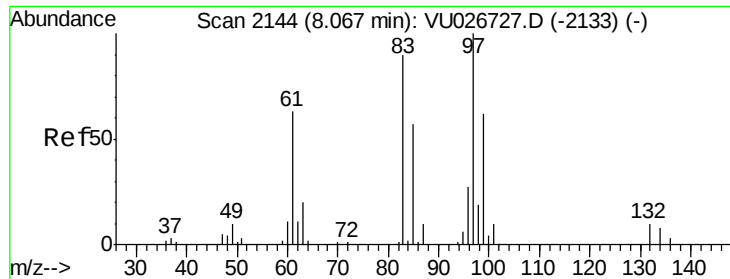
77 31.4 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

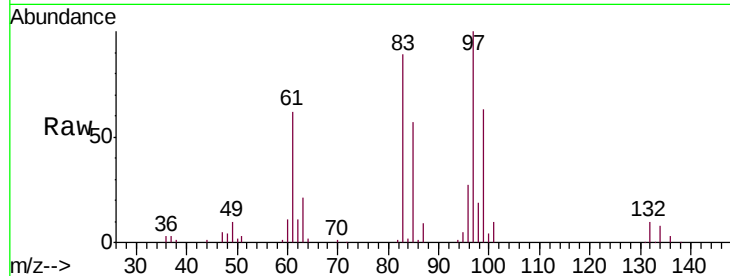
Ion 77.00 (76.70 to 77.70): VU0





#45
 1,1,2-Trichloroethane
 Concen: 55.341 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion:	97	Resp:	68361
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.2	82.2
83	89.1	63.8	118.6
85	57.3	39.4	73.2



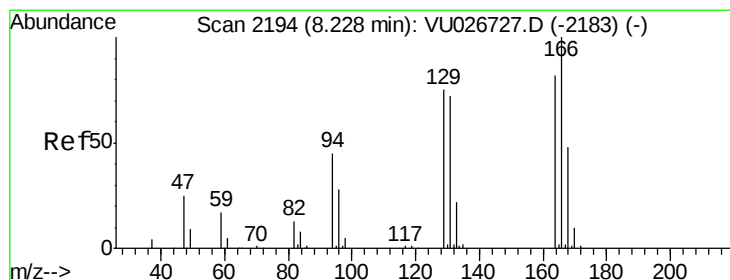
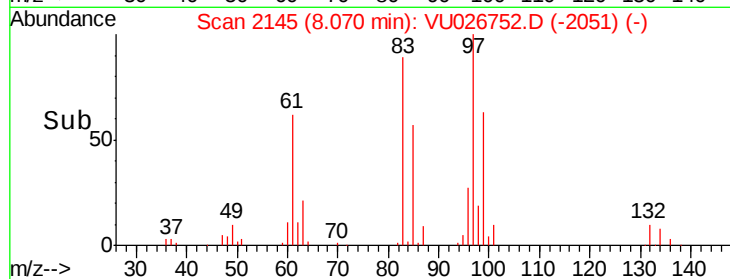
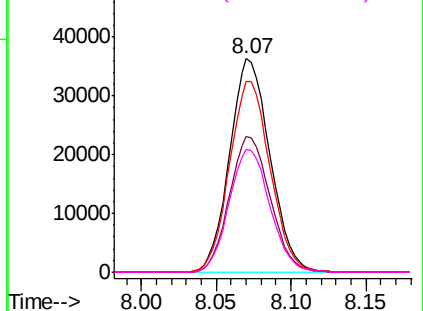
Abundance

Ion 97.00 (96.70 to 97.70): VU026752.D (-2145) (-)

Ion 99.00 (98.70 to 99.70): VU026752.D (-2145) (-)

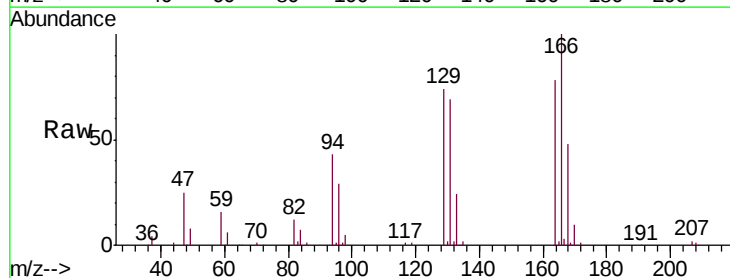
Ion 83.00 (82.70 to 83.70): VU026752.D (-2145) (-)

Ion 85.00 (84.70 to 85.70): VU026752.D (-2145) (-)



#46
 Tetrachloroethene
 Concen: 51.239 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion:	164	Resp:	53355
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.0	120.8
131	88.1	62.5	116.1
166	128.0	89.0	165.2



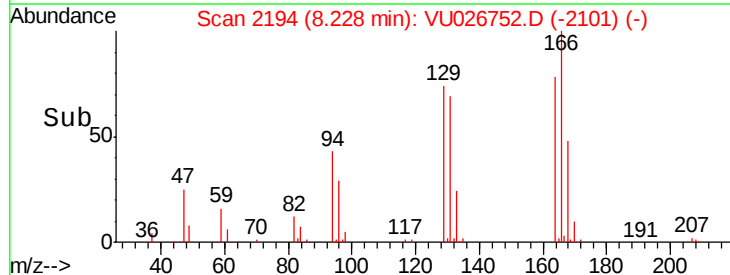
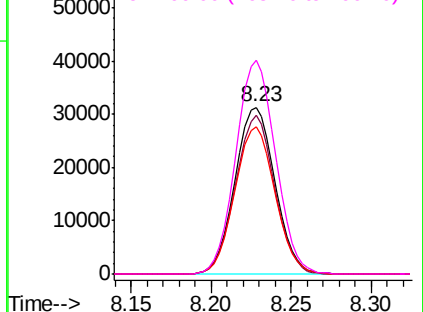
Abundance

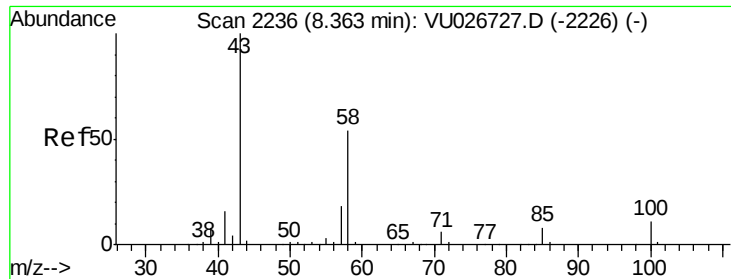
Ion 164.00 (163.70 to 164.70): VU026752.D (-2194) (-)

Ion 129.00 (128.70 to 129.70): VU026752.D (-2194) (-)

Ion 131.00 (130.70 to 131.70): VU026752.D (-2194) (-)

Ion 166.00 (165.70 to 166.70): VU026752.D (-2194) (-)





#48

2-Hexanone

Concen: 118.367 ug/L

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

Tgt Ion: 43 Resp: 177522

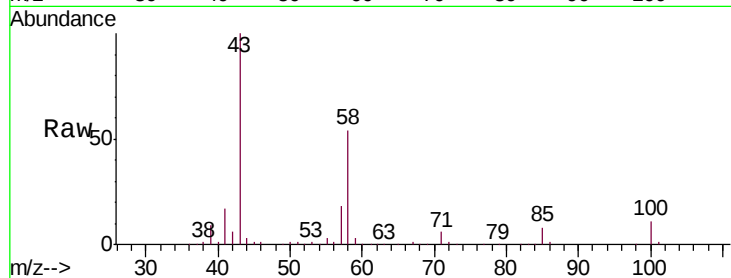
Ion Ratio Lower Upper

43 100

58 53.3 42.2 63.4

57 18.2 14.4 21.6

100 10.7 8.7 13.1

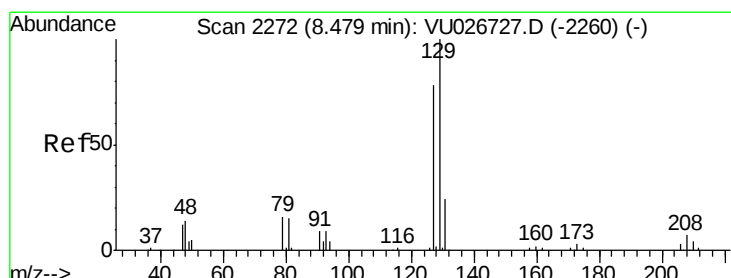
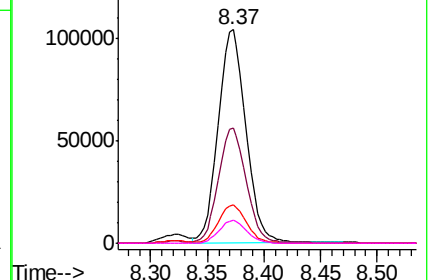
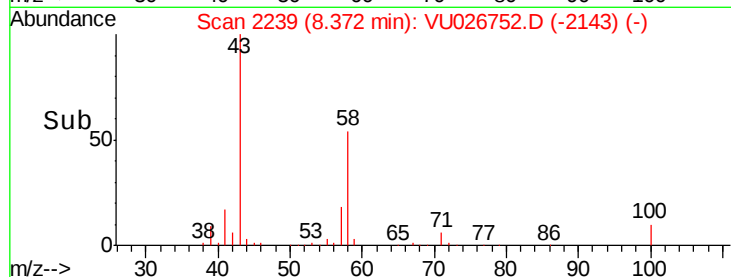


Abundance Ion 43.00 (42.70 to 43.70): VU026752.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU026752.D (-2143) (-)

Ion 57.00 (56.70 to 57.70): VU026752.D (-2143) (-)

Ion 100.00 (99.70 to 100.70): VU026752.D (-2143) (-)



#49

Dibromochloromethane

Concen: 54.715 ug/L

RT: 8.48 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VU026752.D

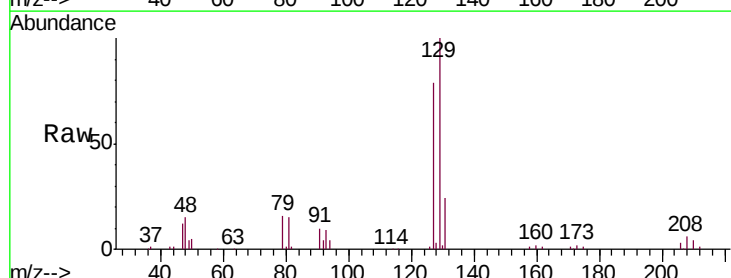
Acq: 14 Sep 2018 08:16

Tgt Ion: 129 Resp: 78122

Ion Ratio Lower Upper

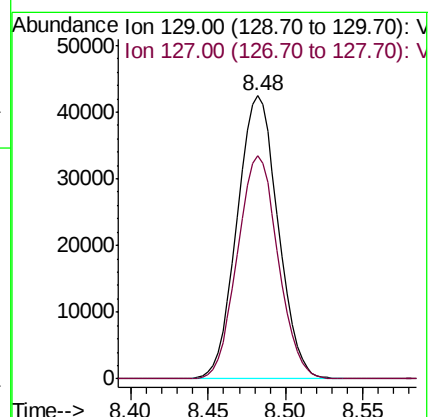
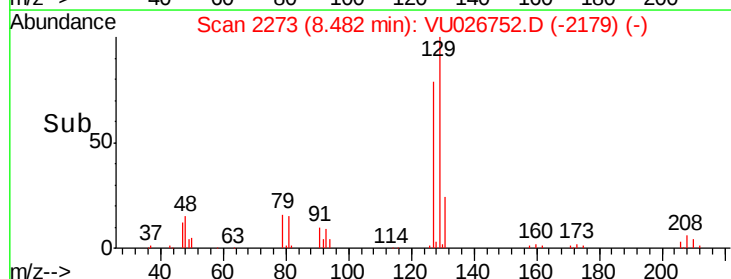
129 100

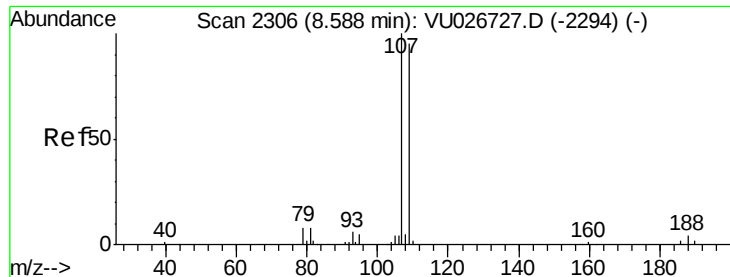
127 78.7 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): VU026752.D (-2179) (-)

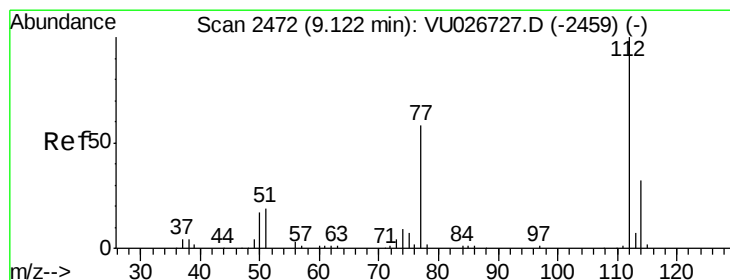
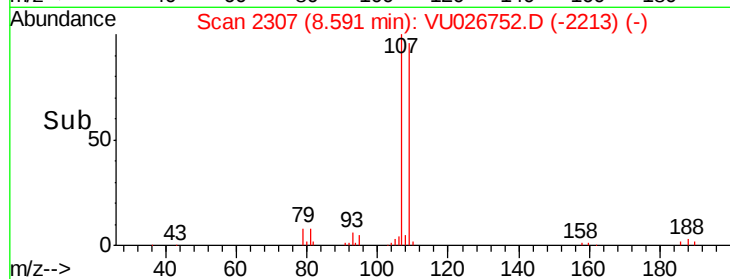
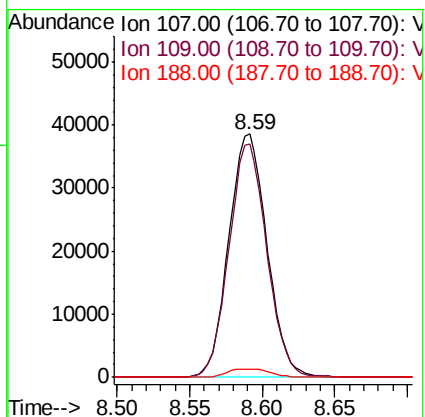
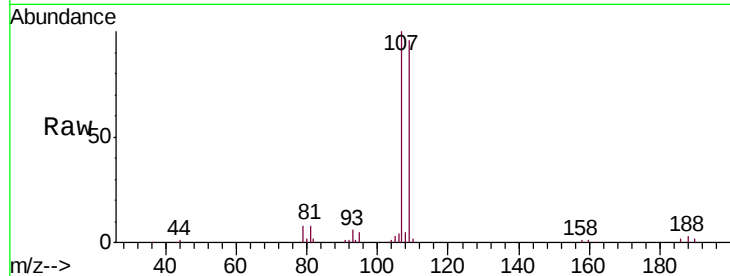
Ion 127.00 (126.70 to 127.70): VU026752.D (-2179) (-)





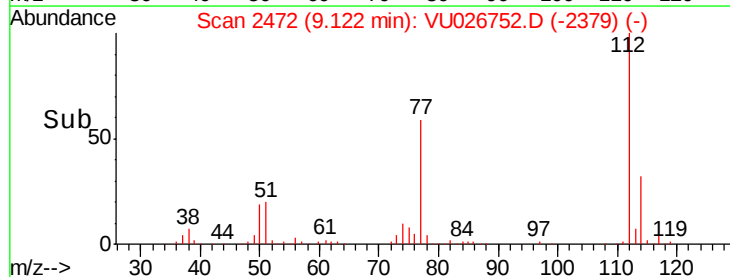
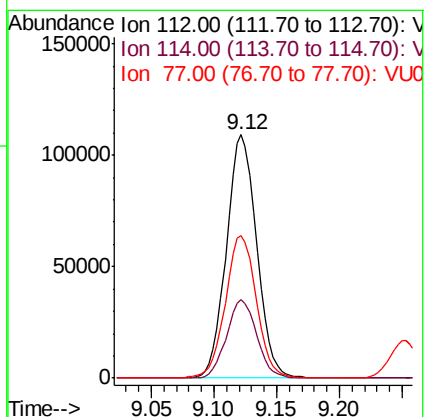
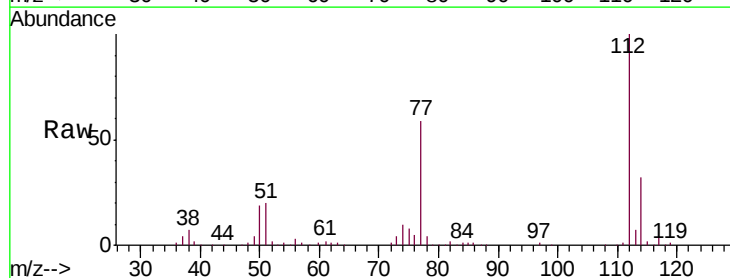
#50
1,2-Dibromoethane
Concen: 53.481 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

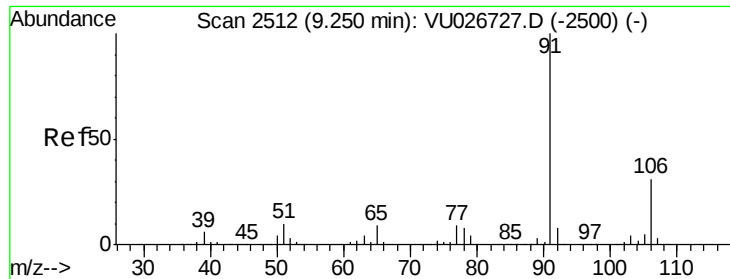
Tgt Ion:107 Resp: 70670
Ion Ratio Lower Upper
107 100
109 95.6 66.4 123.4
188 3.5 3.0 4.4



#51
Chlorobenzene
Concen: 54.025 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

Tgt Ion:112 Resp: 183280
Ion Ratio Lower Upper
112 100
114 32.2 22.9 42.5
77 58.7 47.2 70.8





#52

Ethylbenzene

Concen: 53.827 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026752.D

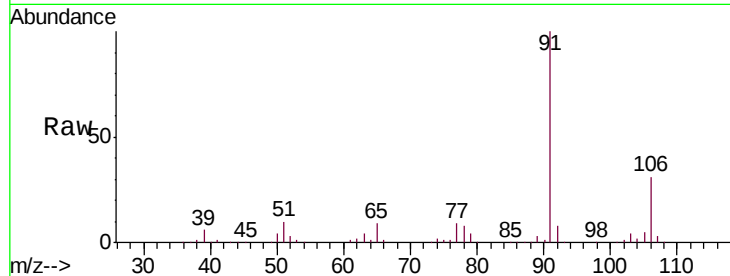
Acq: 14 Sep 2018 08:16

Tgt Ion: 91 Resp: 300771

Ion Ratio Lower Upper

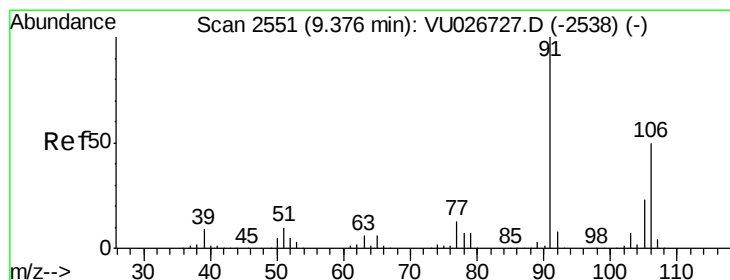
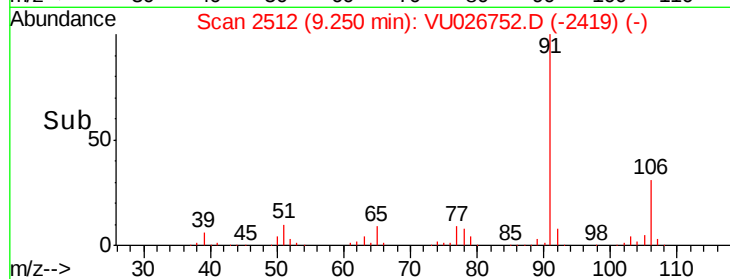
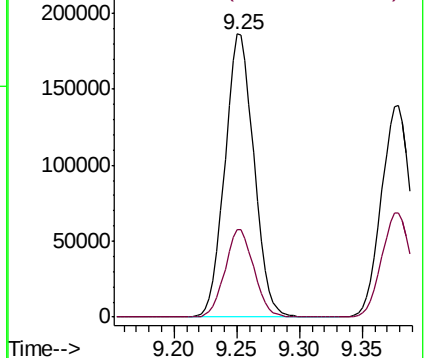
91 100

106 30.9 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 54.549 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU026752.D

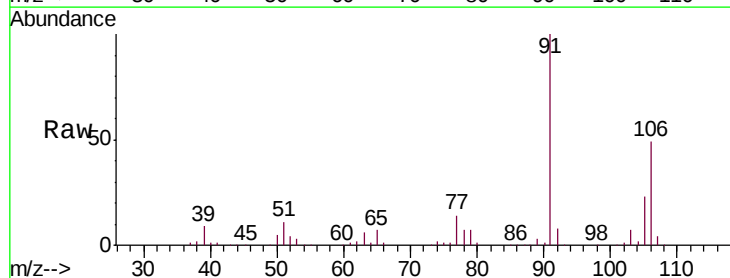
Acq: 14 Sep 2018 08:16

Tgt Ion: 106 Resp: 114929

Ion Ratio Lower Upper

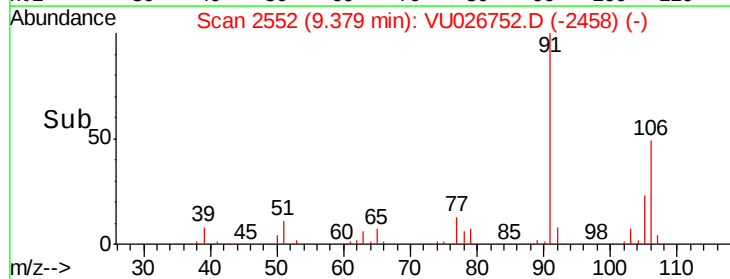
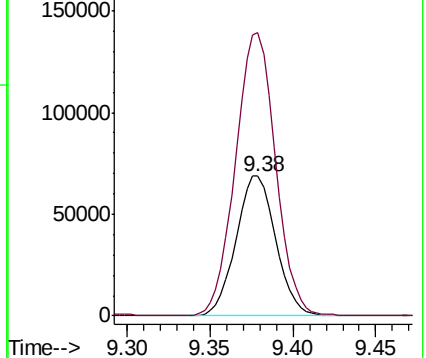
106 100

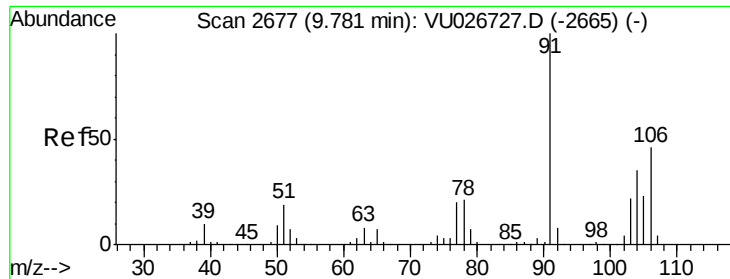
91 202.8 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): V

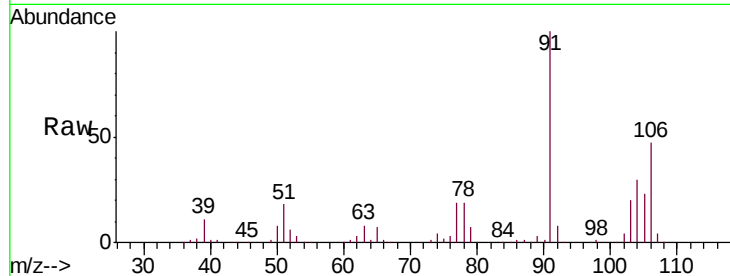
Ion 91.00 (90.70 to 91.70): VU0



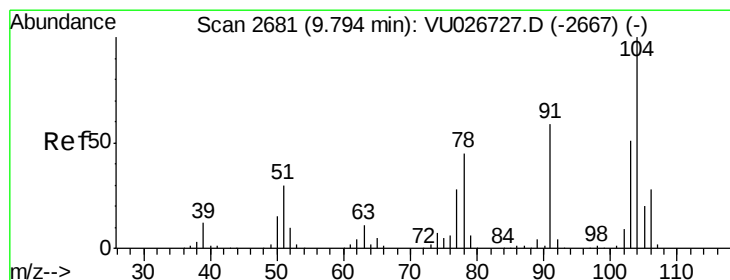
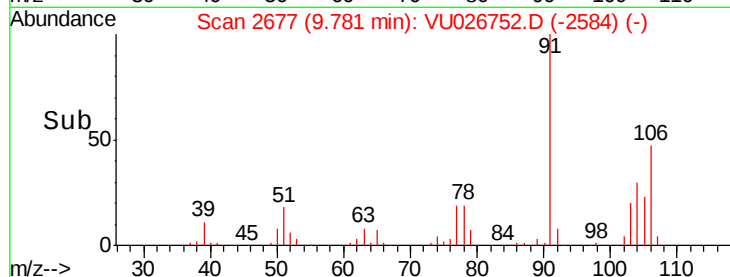
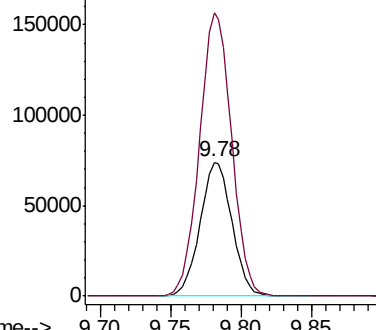


#54
o-xylene
Concen: 55.900 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

Tgt Ion:106 Resp: 116889
Ion Ratio Lower Upper
106 100
91 211.4 149.4 277.4

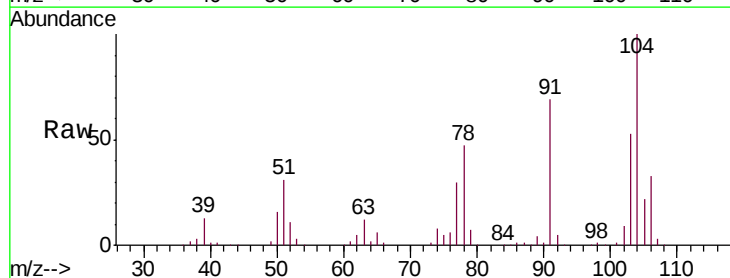


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

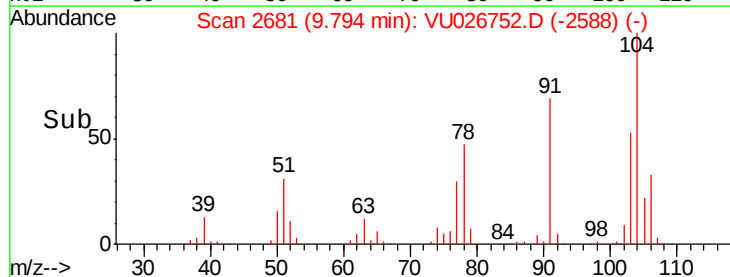
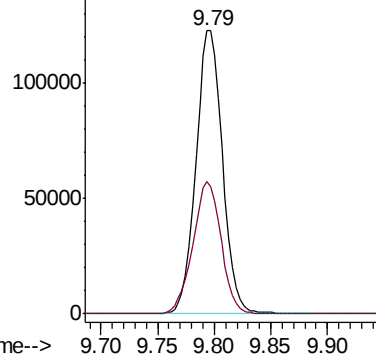


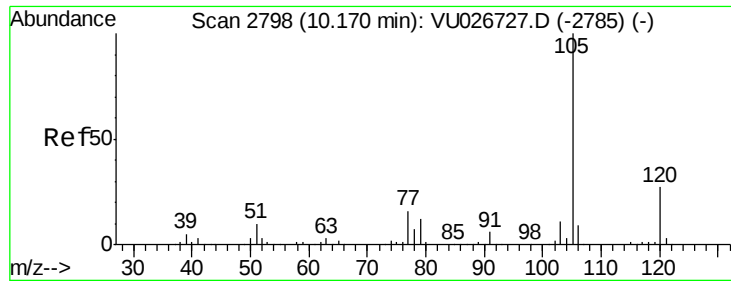
#55
Styrene
Concen: 56.803 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

Tgt Ion:104 Resp: 200919
Ion Ratio Lower Upper
104 100
78 46.7 31.7 58.9



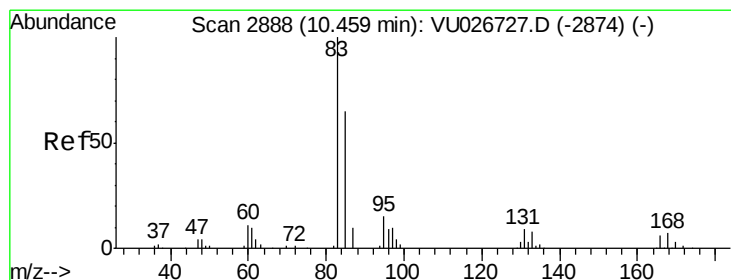
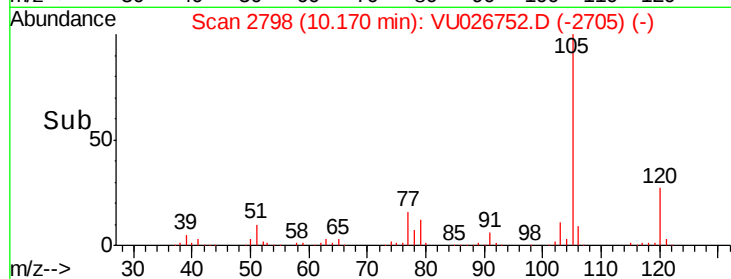
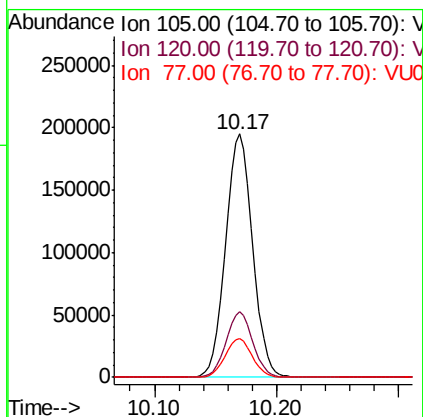
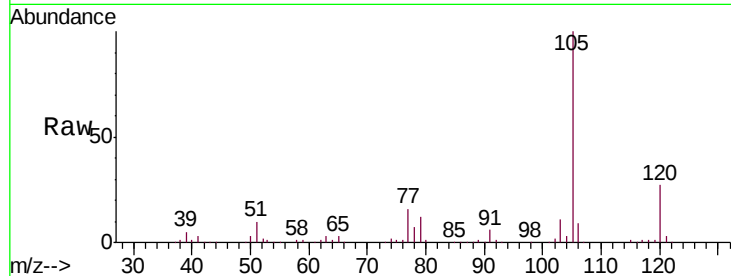
Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





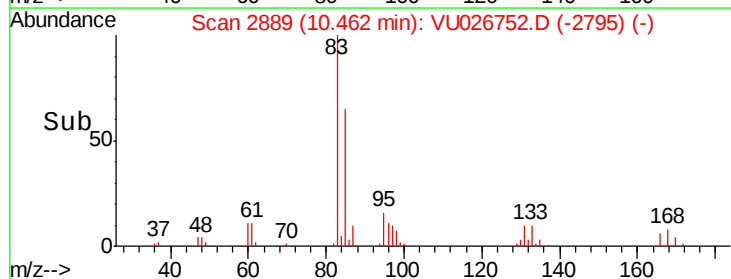
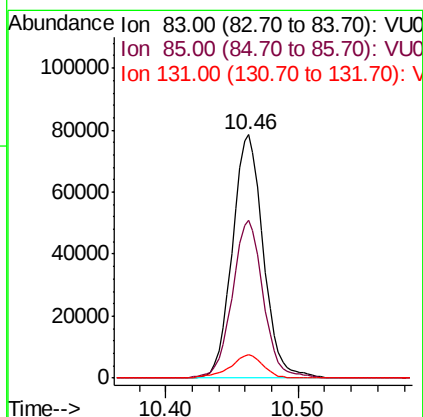
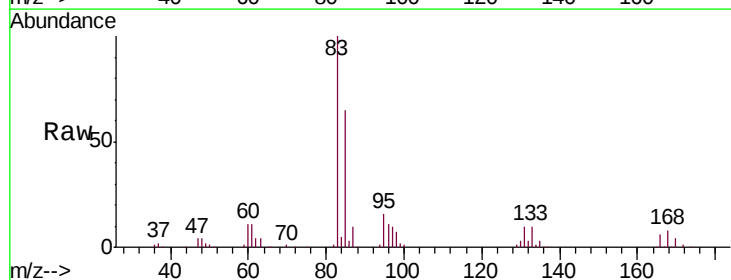
#56
Isopropylbenzene
Concen: 56.818 ug/L
RT: 10.17 min Scan# 2798
Delta R.T. -0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

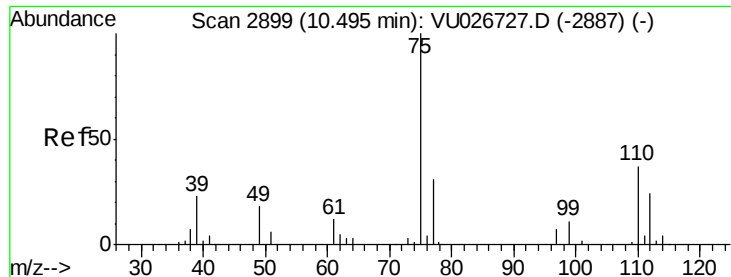
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.5	32.3
77	16.0	12.6	18.8



#58
1,1,2,2-Tetrachloroethane
Concen: 59.420 ug/L
RT: 10.46 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

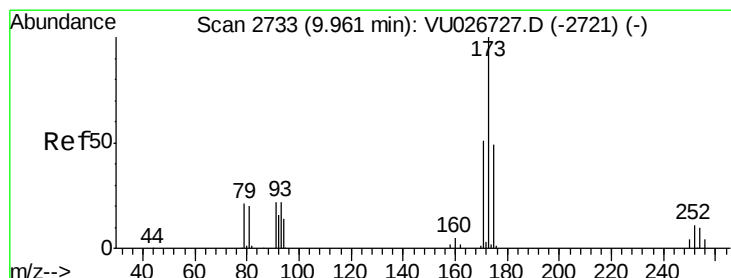
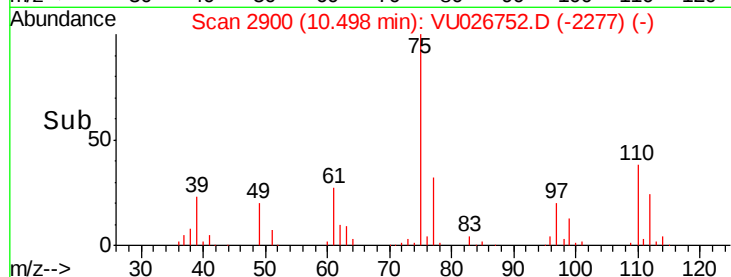
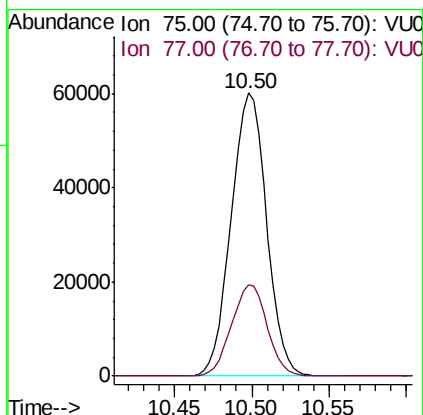
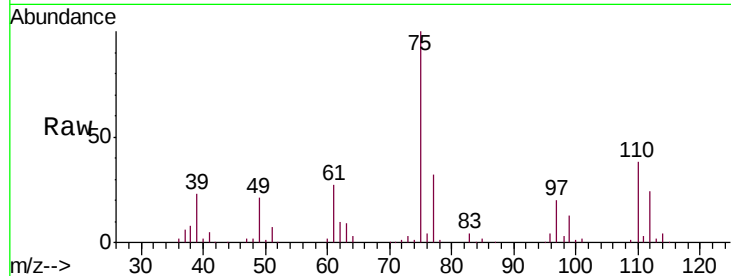
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	45.4	84.2
131	9.5	8.0	12.0





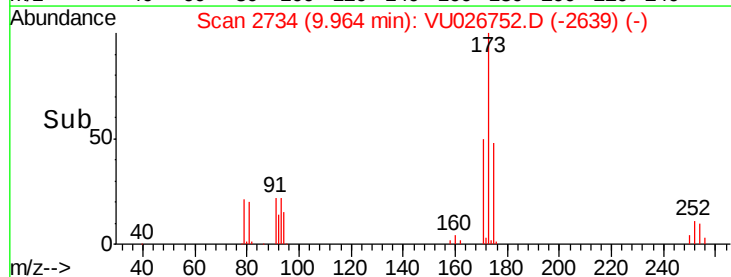
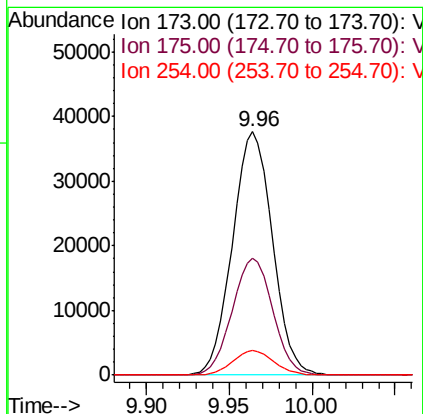
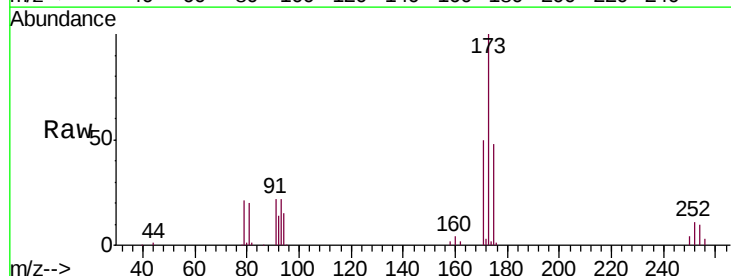
#59
 1,2,3-Trichloropropane
 Concen: 58.025 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

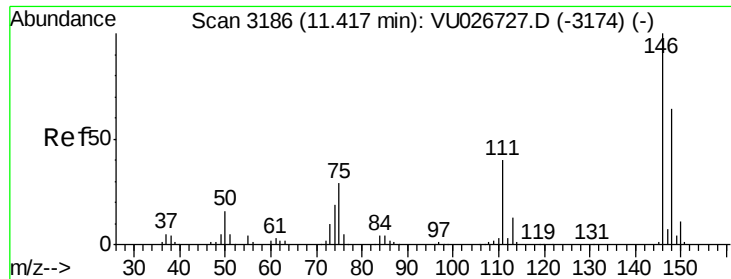
Tgt Ion: 75 Resp: 95608
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6



#61
 Bromoform
 Concen: 54.528 ug/L
 RT: 9.96 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion: 173 Resp: 63237
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.2 57.4
 254 10.3 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 53.992 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

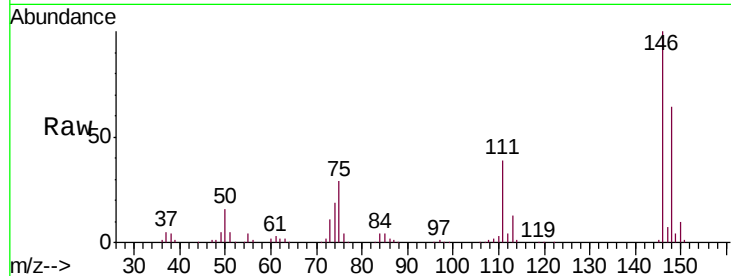
Tgt Ion:146 Resp: 145948

Ion Ratio Lower Upper

146 100

111 38.8 26.7 49.5

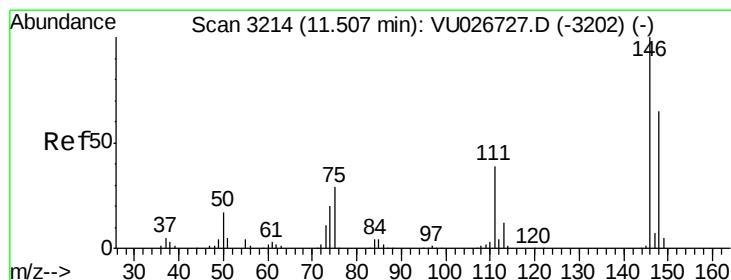
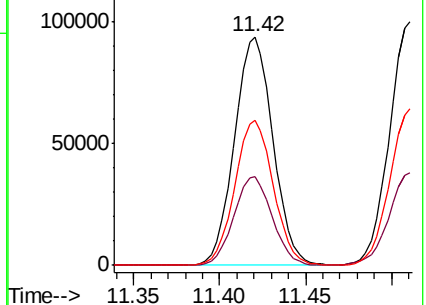
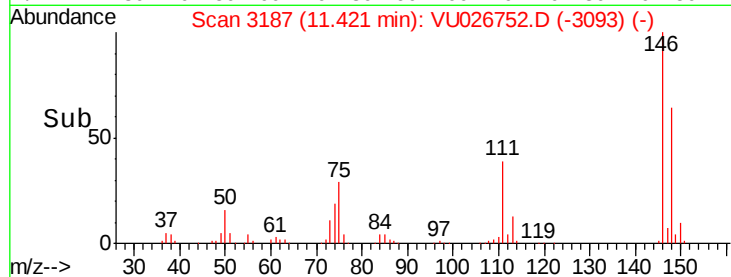
148 63.7 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 54.269 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026752.D

Acq: 14 Sep 2018 08:16

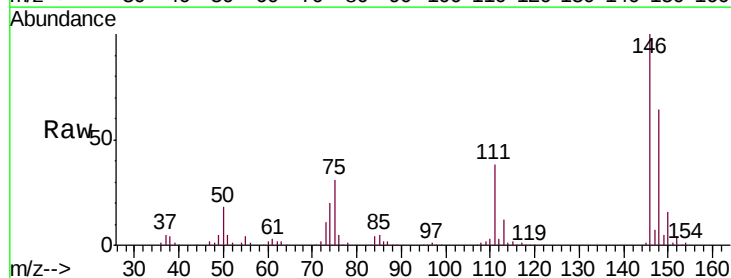
Tgt Ion:146 Resp: 155404

Ion Ratio Lower Upper

146 100

111 38.0 26.5 49.3

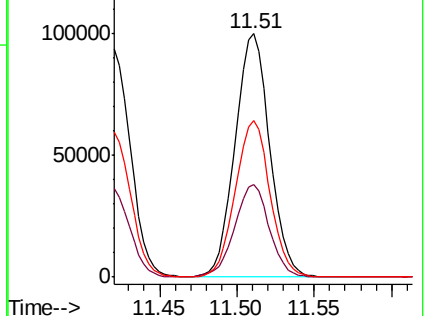
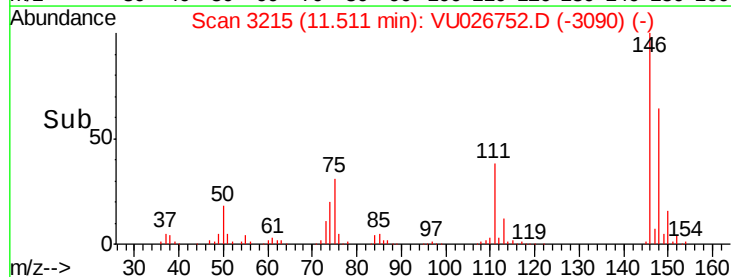
148 64.1 45.2 84.0

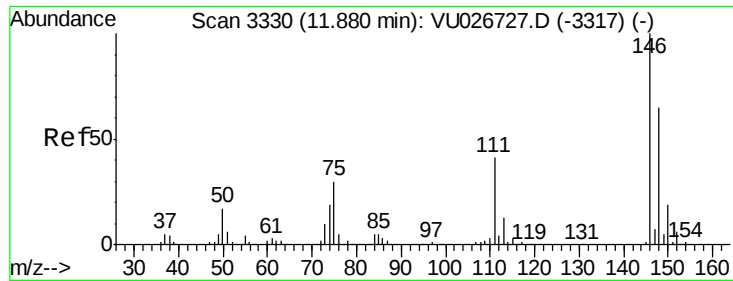


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

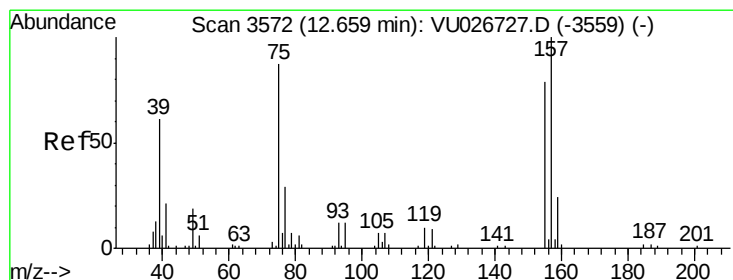
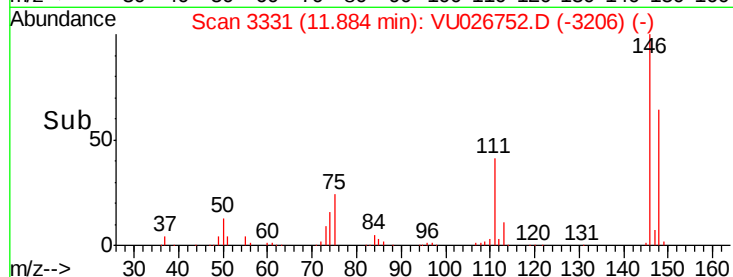
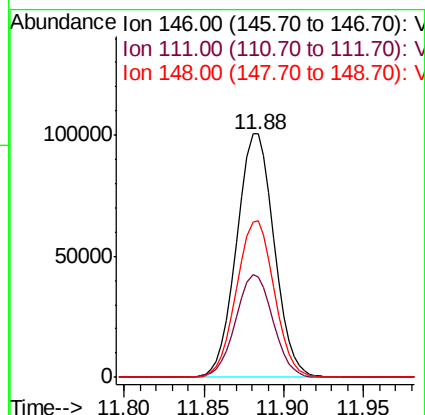
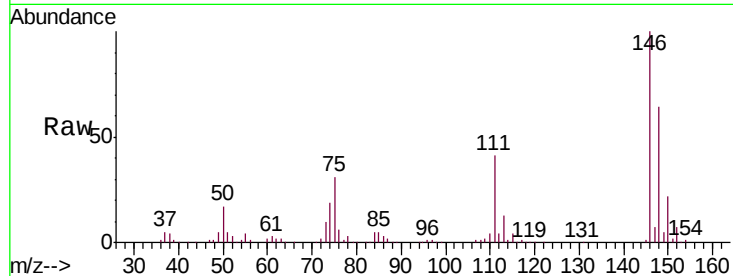
Ion 148.00 (147.70 to 148.70): V





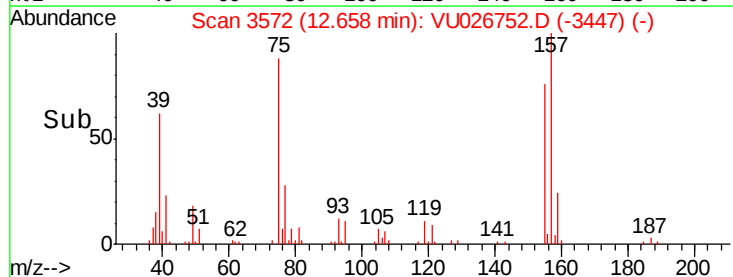
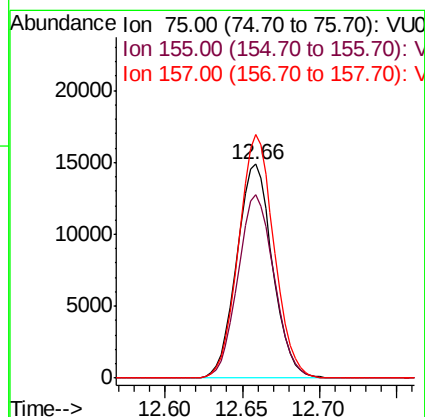
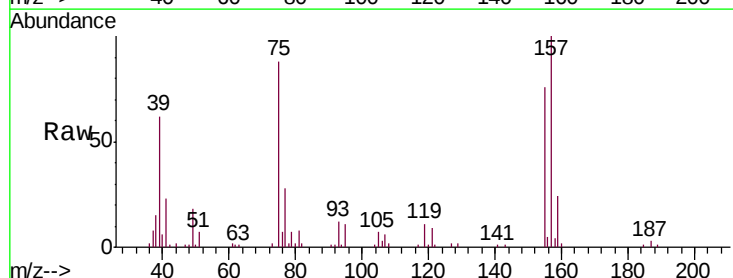
#65
 1,2-Dichlorobenzene
 Concen: 56.358 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

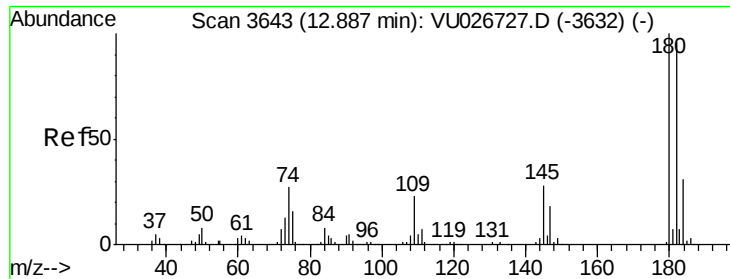
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	32.8	49.2
148	64.1	52.2	78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.750 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

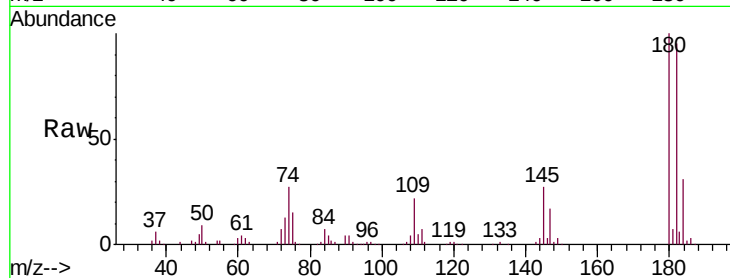
Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	69.3	103.9
157	113.8	93.4	140.0



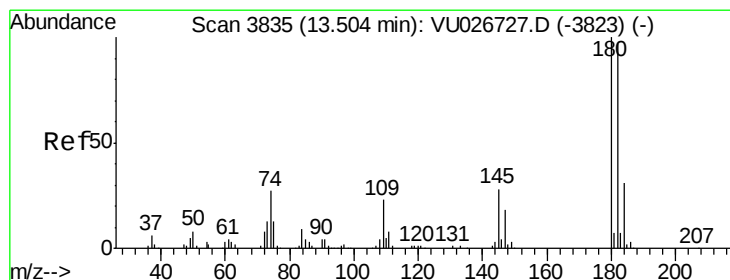
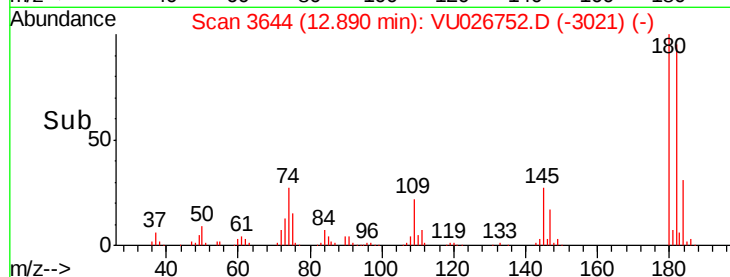
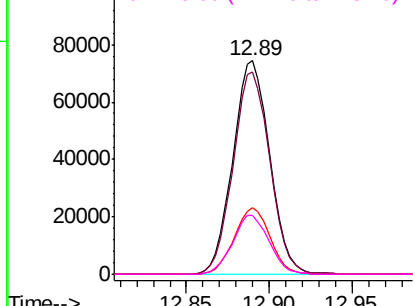


#67
 1,3,5-Trichlorobenzene
 Concen: 53.612 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion:	180	Resp:	114955
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.8	115.2
184	30.4	24.2	36.2
145	27.2	21.4	32.2

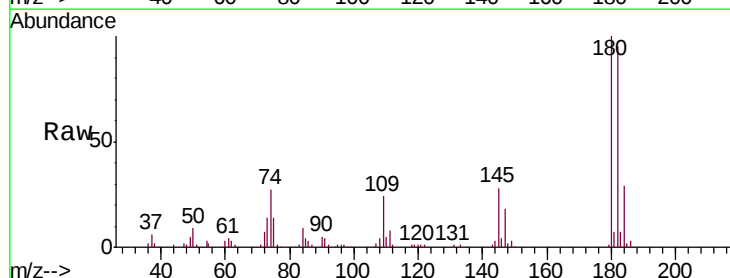


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

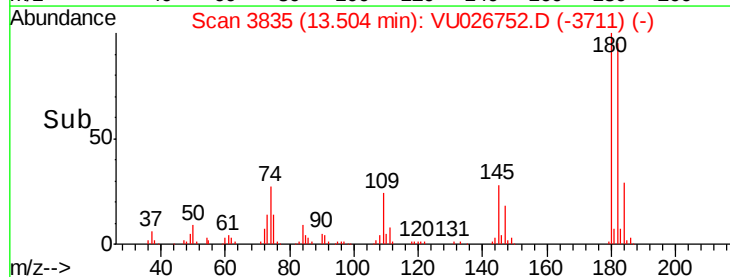
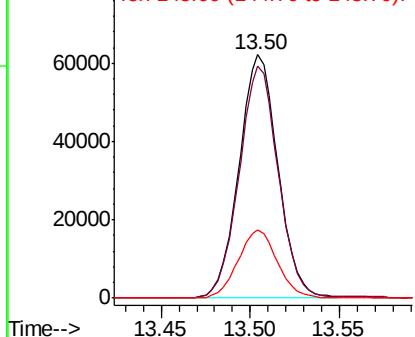


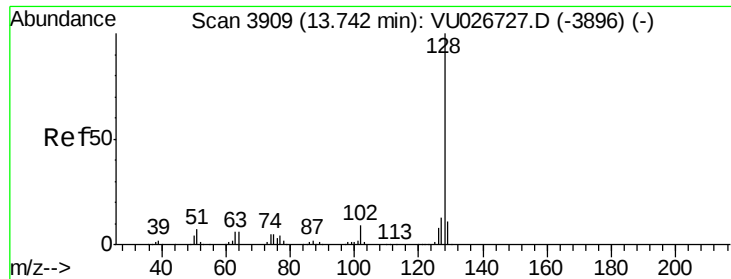
#68
 1,2,4-trichlorobenzene
 Concen: 50.908 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026752.D
 Acq: 14 Sep 2018 08:16

Tgt Ion:	180	Resp:	94874
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
145	28.1	23.4	35.0



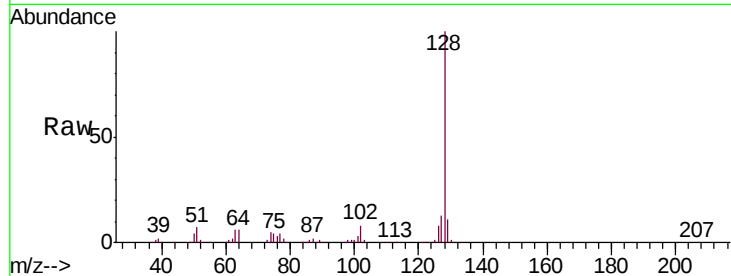
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



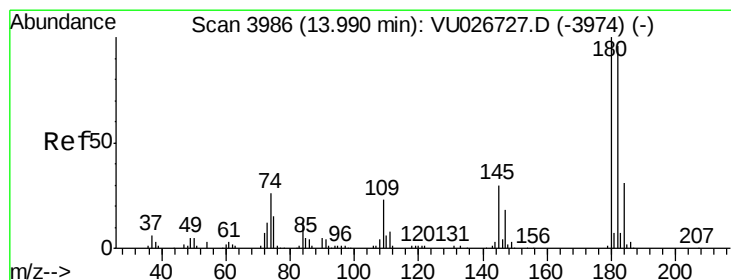
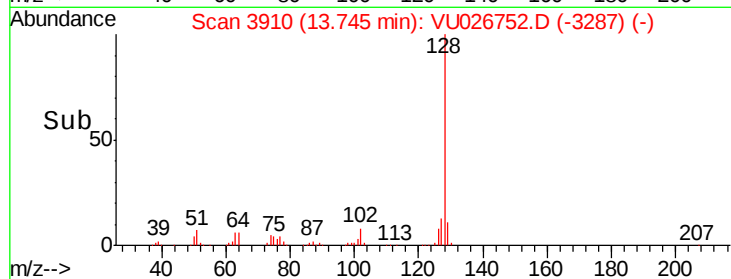
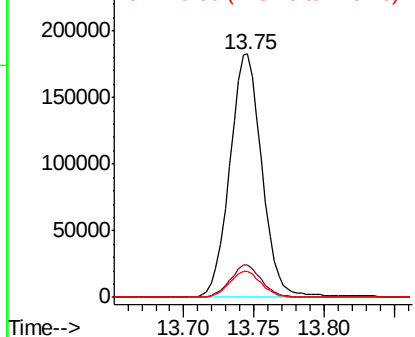


#69
Naphthalene
Concen: 50.921 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.8	8.6	13.0

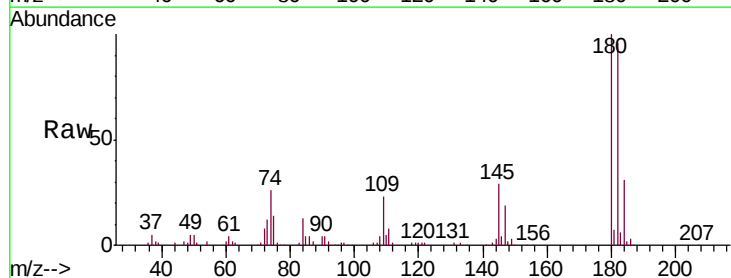


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

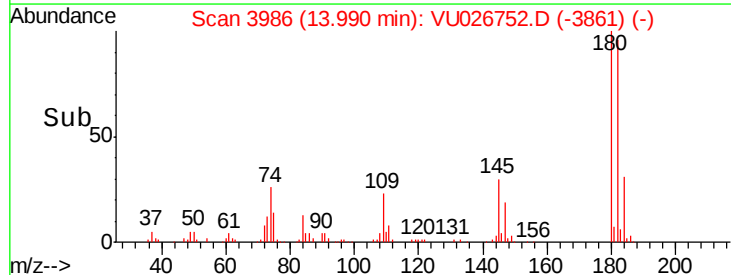
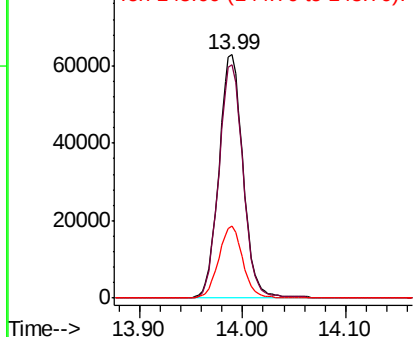


#70
1,2,3-Trichlorobenzene
Concen: 50.634 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026752.D
Acq: 14 Sep 2018 08:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	29.5	23.0	34.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



Data File : VU026767.D
Acq On : 14 Sep 2018 15:36
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 15 00:16:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	174862	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168277	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82623	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59447	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.24%
7) Chloroethane-d5	1.68	69	49261	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.82%
11) 1,1-Dichloroethene-d2	2.27	63	115548	49.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.10%
21) 2-Butanone-d5	4.18	46	83375	102.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.82%
24) Chloroform-d	4.65	84	102082	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
26) 1,2-Dichloroethane-d4	5.31	65	67155	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
32) Benzene-d6	5.34	84	206942	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
36) 1,2-Dichloropropane-d6	6.33	67	70112	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.57	98	192258	47.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.10%
43) trans-1,3-Dichloropropene-	7.85	79	30926	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
47) 2-Hexanone-d5	8.31	63	60252	101.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	96267	48.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	75514	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	58377	53.036 ug/L	99
3) Chloromethane	1.33	50	77348	53.457 ug/L	98
5) Vinyl chloride	1.40	62	80475	53.826 ug/L	99
6) Bromomethane	1.62	94	42632	48.931 ug/L	95
8) Chloroethane	1.70	64	49469	53.350 ug/L	98
9) Trichlorofluoromethane	1.88	101	103721	55.016 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	59991	55.876 ug/L	99
12) 1,1-Dichloroethene	2.28	96	56127	54.436 ug/L	93
13) Acetone	2.32	43	71234	77.128 ug/L	99
14) Carbon disulfide	2.48	76	170697	50.973 ug/L	99
15) Methyl Acetate	2.62	43	78646	59.689 ug/L	98
16) Methylene chloride	2.70	84	68229	56.072 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	59121	54.115 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	195279	58.008 ug/L	100
19) 1,1-Dichloroethane	3.45	63	123356	58.220 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	69352	56.358 ug/L	99
22) 2-Butanone	4.26	43	110047	104.066 ug/L	99

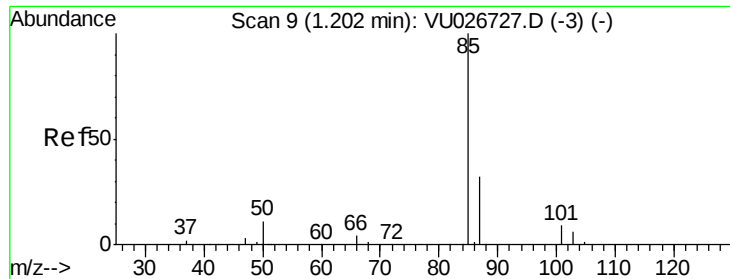
Data File : VU026767.D
Acq On : 14 Sep 2018 15:36
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 15 00:16:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	35618	56.591	ug/L	98
25) Chloroform	4.67	83	125246	58.811	ug/L	98
27) 1,2-Dichloroethane	5.41	62	96632	57.143	ug/L	100
29) Cyclohexane	5.00	56	103494	56.147	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	102076	57.260	ug/L	99
31) Carbon tetrachloride	5.14	117	90031	55.873	ug/L	100
33) Benzene	5.39	78	269122	57.110	ug/L	100
34) Trichloroethene	6.19	95	64122	54.746	ug/L	99
35) Methylcyclohexane	6.42	83	103580	55.247	ug/L	99
37) 1,2-Dichloropropane	6.43	63	76959	58.459	ug/L	100
38) Bromodichloromethane	6.76	83	92940	57.608	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	107442	55.154	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	208397	124.100	ug/L	99
42) Toluene	7.64	91	279159	57.155	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	100478	55.443	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	68048	58.274	ug/L	98
46) Tetrachloroethene	8.23	164	53193	54.037	ug/L	99
48) 2-Hexanone	8.36	43	163261	115.153	ug/L	100
49) Dibromochloromethane	8.48	129	75554	55.977	ug/L	99
50) 1,2-Dibromoethane	8.59	107	70871	56.734	ug/L	99
51) Chlorobenzene	9.12	112	180293	56.219	ug/L	99
52) Ethylbenzene	9.25	91	300581	56.904	ug/L	99
53) m,p-Xylene	9.38	106	113714	57.094	ug/L	99
54) o-xylene	9.78	106	114272	57.809	ug/L	99
55) Styrene	9.79	104	194649	58.213	ug/L	99
56) Isopropylbenzene	10.17	105	291477	57.885	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	116765	57.720	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	90746	58.259	ug/L	100
61) Bromoform	9.96	173	57744	56.734	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	132798	55.977	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	137701	54.791	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	146104	58.271	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	24471	60.412	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	103367	54.930	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	88851	54.323	ug/L	99
69) Naphthalene	13.75	128	297972	59.452	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	99982	56.433	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

[illegible]



#2

Dichlorodifluoromethane

Concen: 53.036 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026767.D

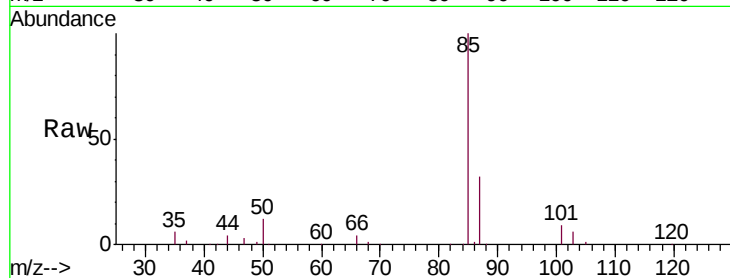
Acq: 14 Sep 2018 15:36

Tgt Ion: 85 Resp: 58377

Ion Ratio Lower Upper

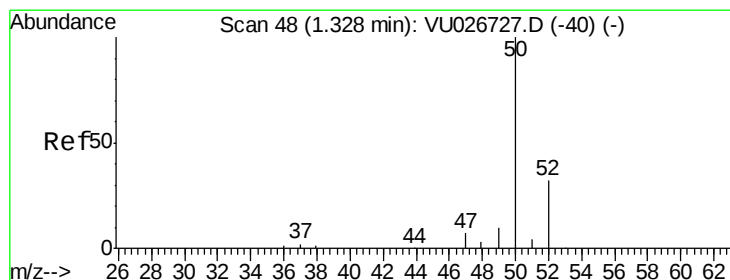
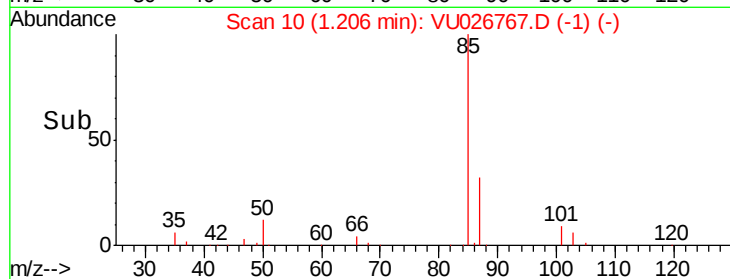
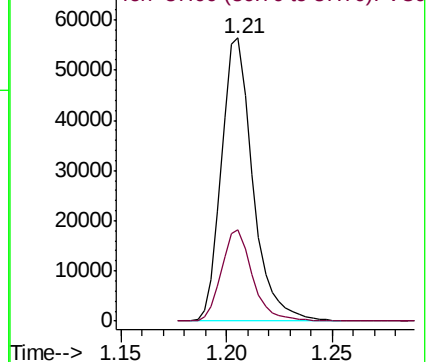
85 100

87 31.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 53.457 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026767.D

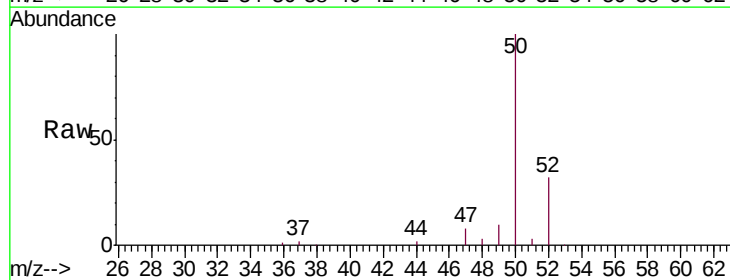
Acq: 14 Sep 2018 15:36

Tgt Ion: 50 Resp: 77348

Ion Ratio Lower Upper

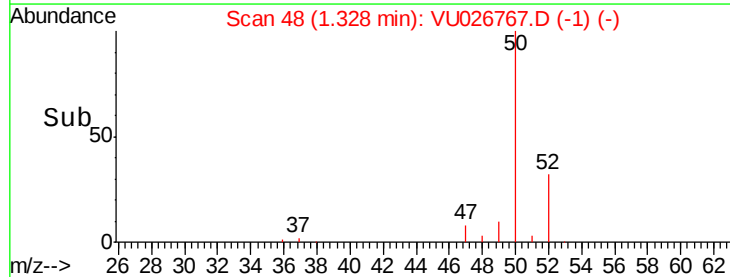
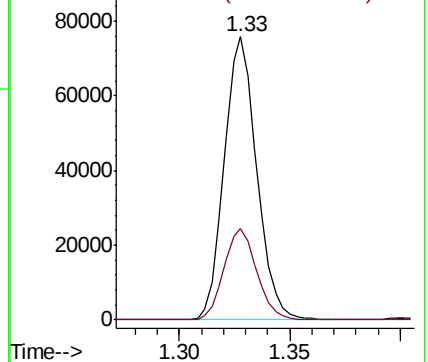
50 100

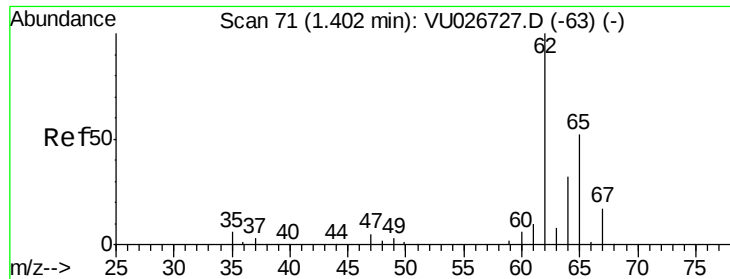
52 32.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 53.826 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026767.D

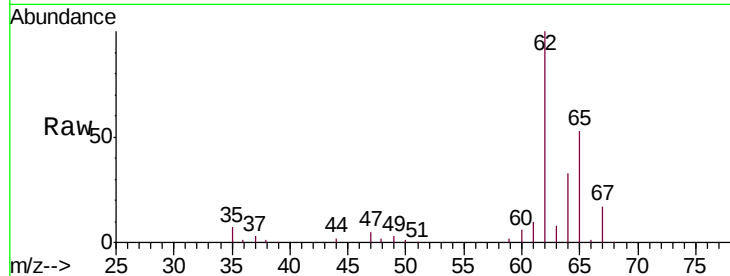
Acq: 14 Sep 2018 15:36

Tgt Ion: 62 Resp: 80475

Ion Ratio Lower Upper

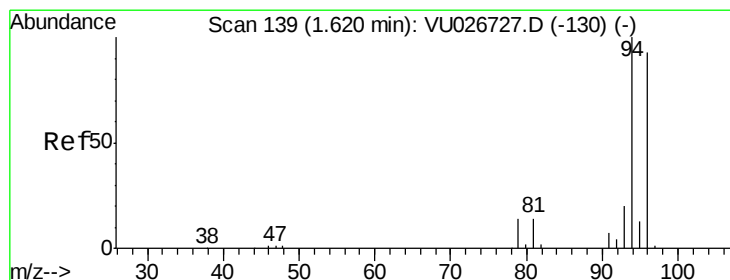
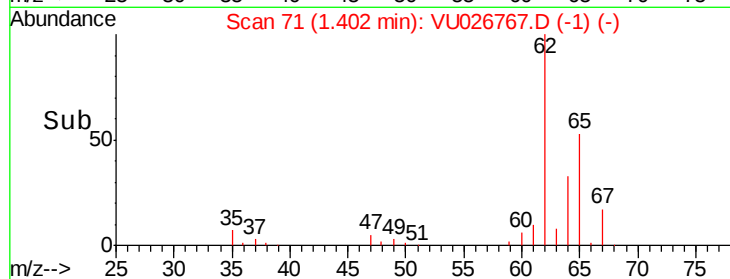
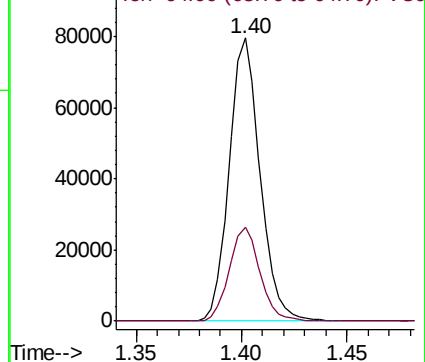
62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.931 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU026767.D

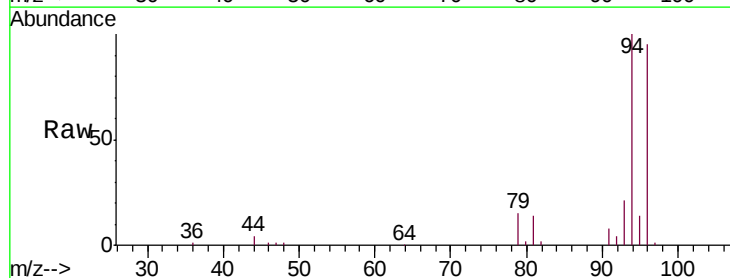
Acq: 14 Sep 2018 15:36

Tgt Ion: 94 Resp: 42632

Ion Ratio Lower Upper

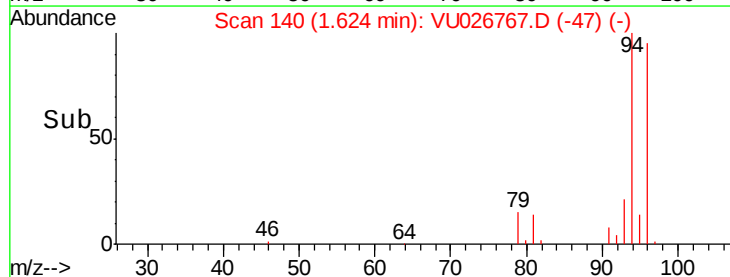
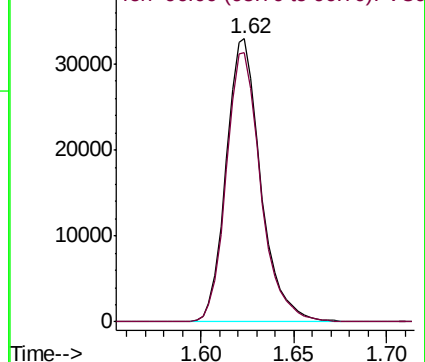
94 100

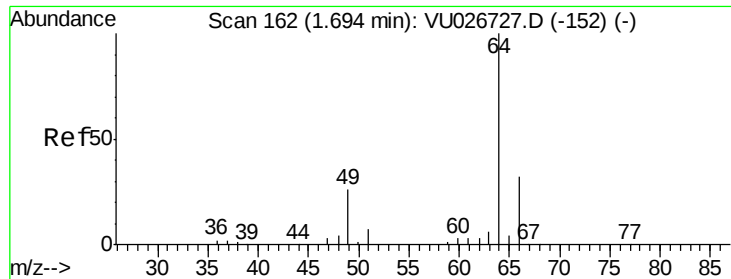
96 95.2 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 53.350 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU026767.D

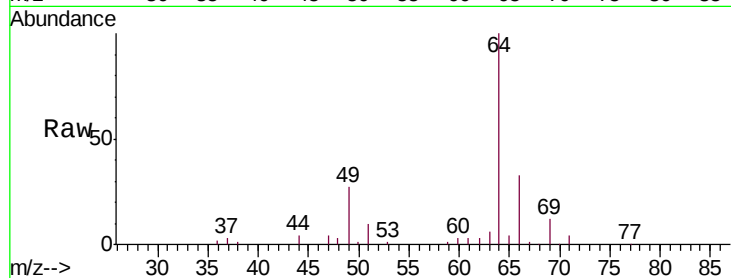
Acq: 14 Sep 2018 15:36

Tgt Ion: 64 Resp: 49469

Ion Ratio Lower Upper

64 100

66 33.1 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

40000

30000

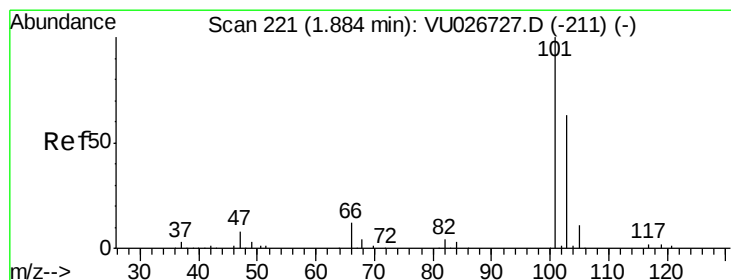
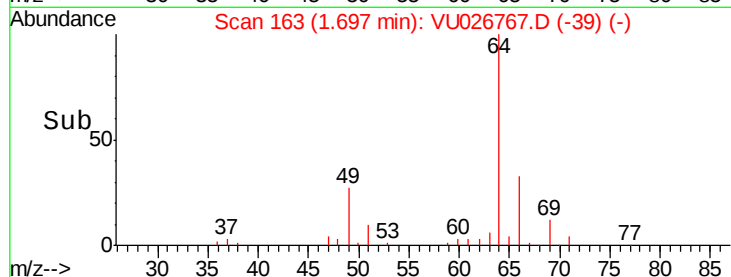
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 55.016 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026767.D

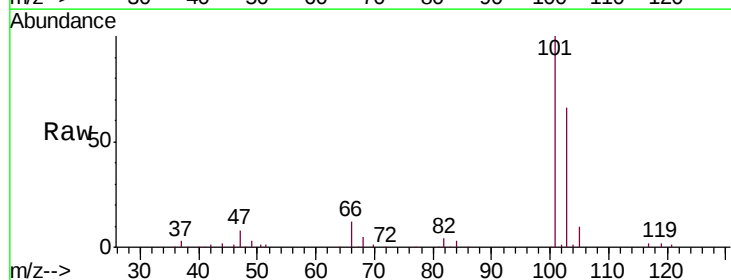
Acq: 14 Sep 2018 15:36

Tgt Ion: 101 Resp: 103721

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

80000

60000

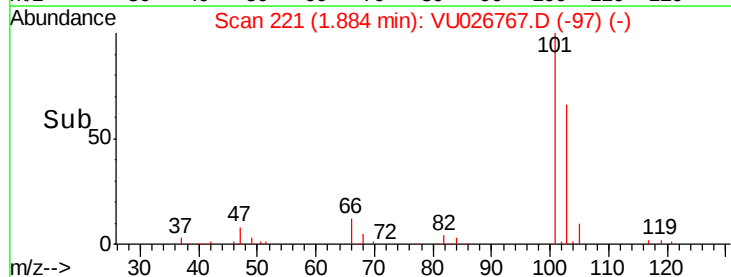
40000

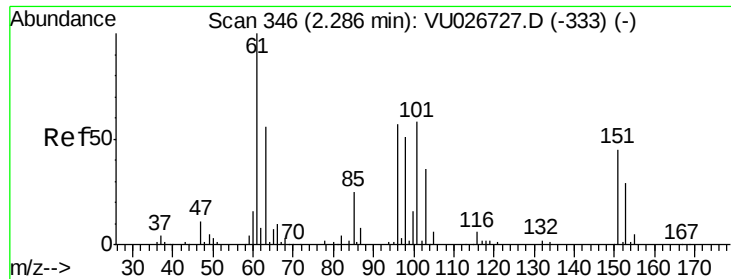
20000

0

1.85 1.90 1.95

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 55.876 ug/L

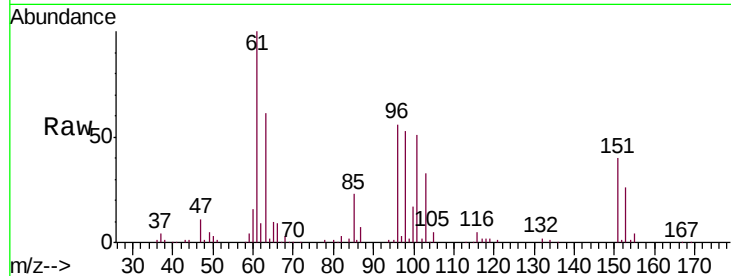
RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

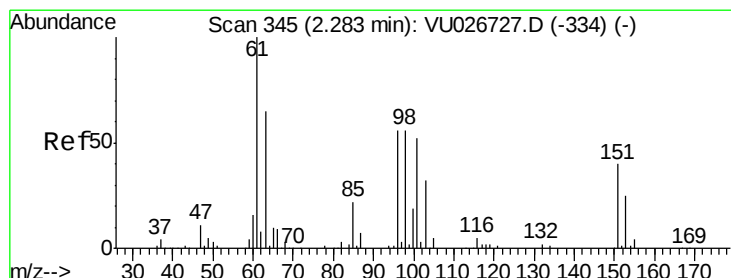
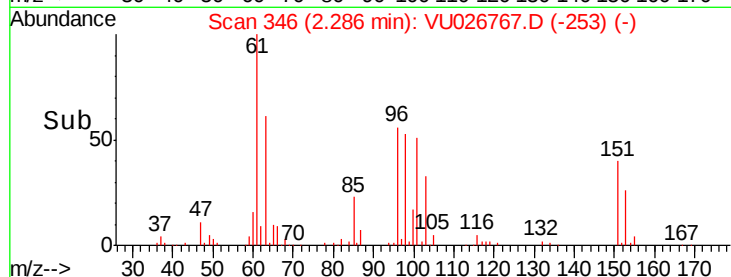
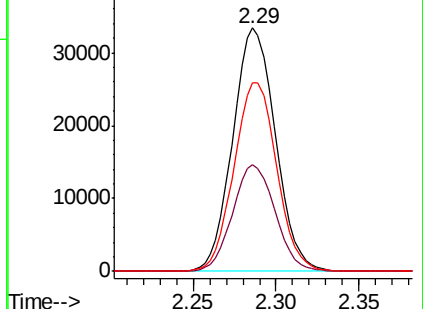
Tgt Ion:	101	Resp:	59991
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.1	51.1
151	77.7	62.6	94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 54.436 ug/L

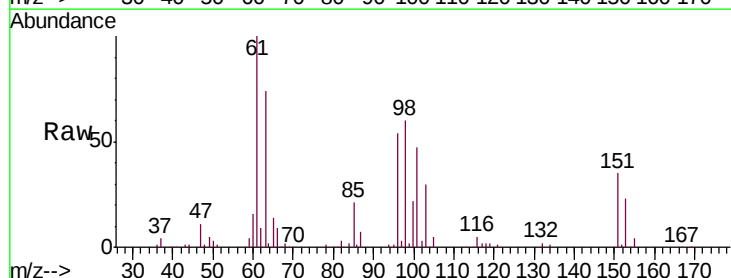
RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

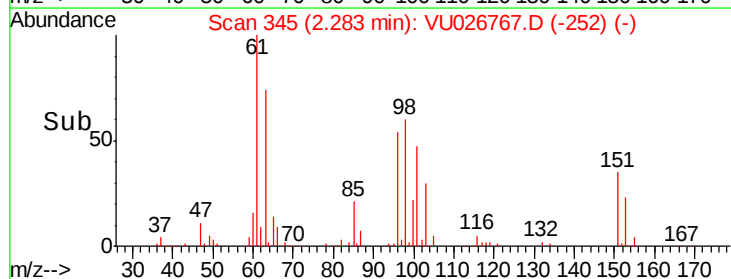
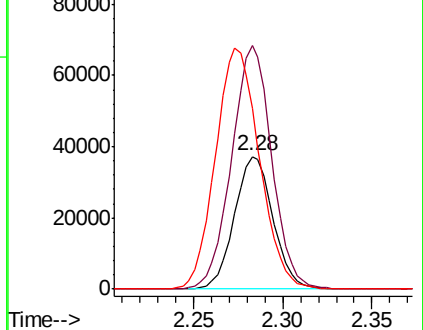
Tgt Ion:	96	Resp:	56127
Ion	Ratio	Lower	Upper
96	100		
61	184.0	121.0	224.8
63	136.2	89.9	166.9

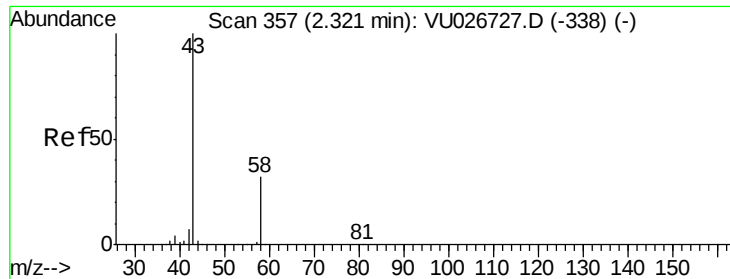


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.128 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026767.D

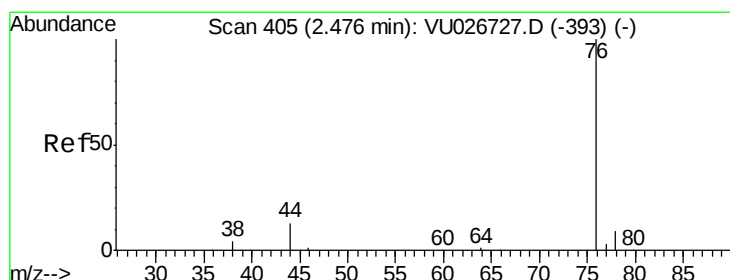
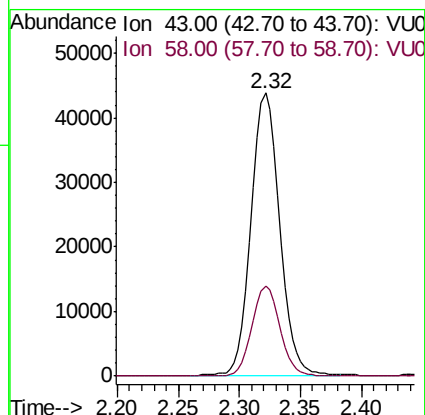
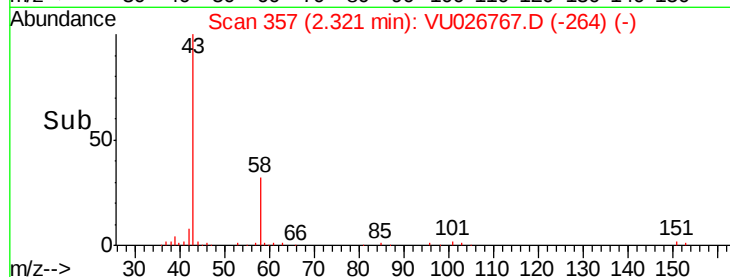
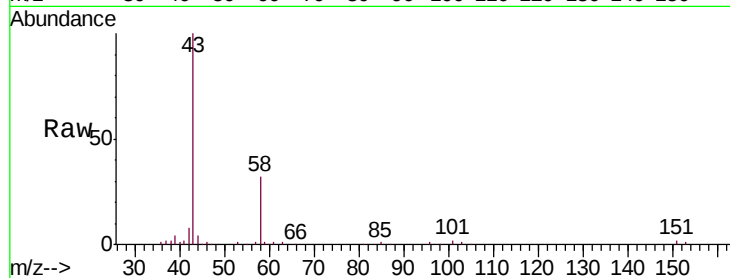
Acq: 14 Sep 2018 15:36

Tgt Ion: 43 Resp: 71234

Ion Ratio Lower Upper

43 100

58 30.9 0.0 62.8



#14

Carbon disulfide

Concen: 50.973 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026767.D

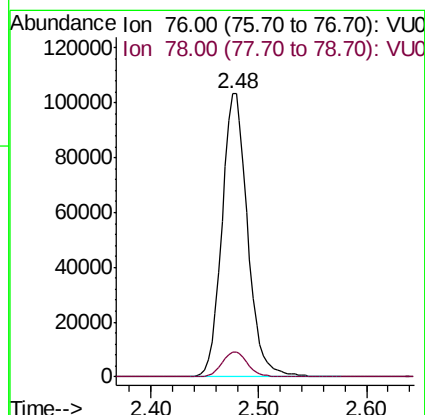
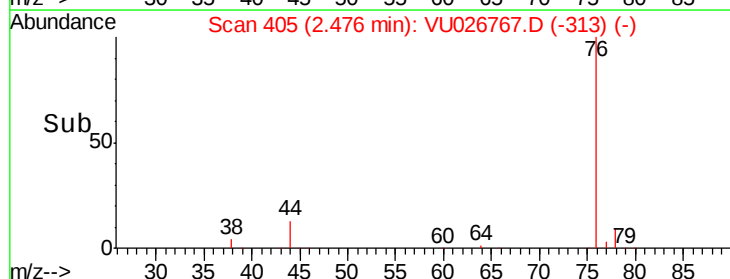
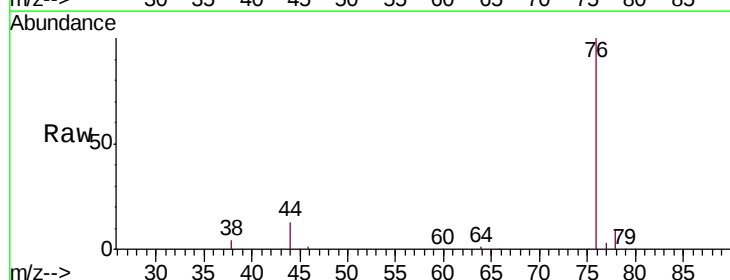
Acq: 14 Sep 2018 15:36

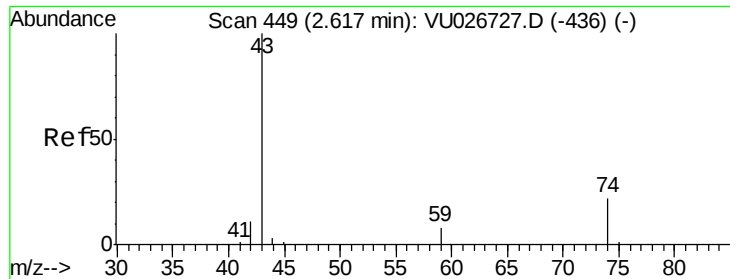
Tgt Ion: 76 Resp: 170697

Ion Ratio Lower Upper

76 100

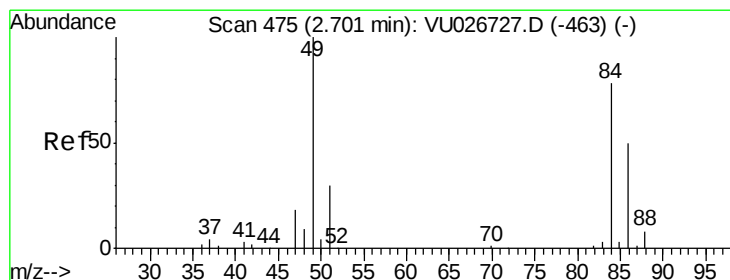
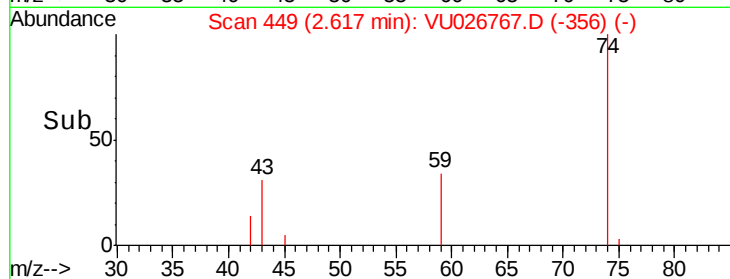
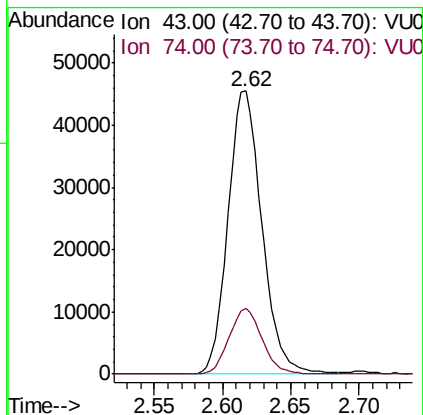
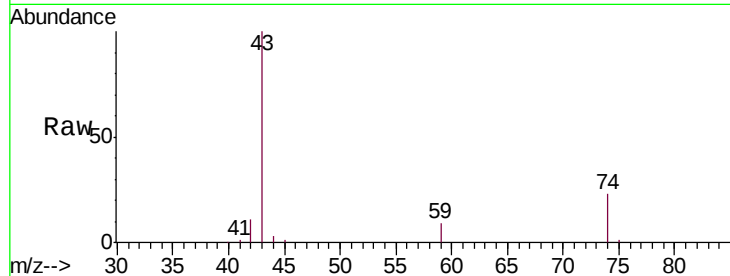
78 8.8 7.4 11.2





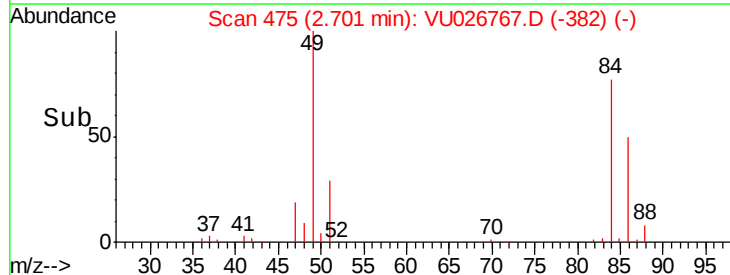
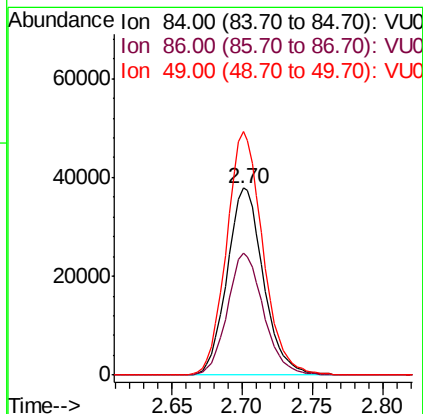
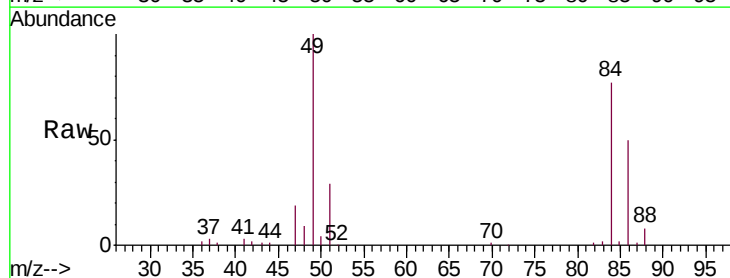
#15
Methyl Acetate
Concen: 59.689 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

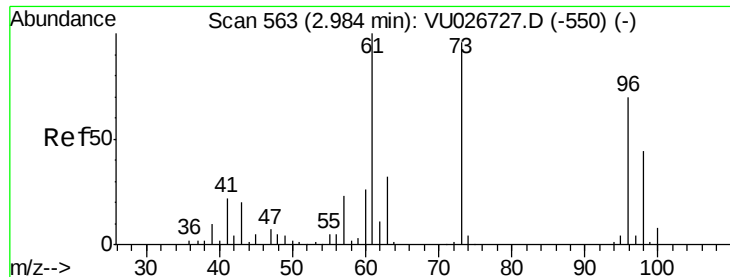
Tgt Ion: 43 Resp: 78646
Ion Ratio Lower Upper
43 100
74 22.4 18.5 27.7



#16
Methylene chloride
Concen: 56.072 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion: 84 Resp: 68229
Ion Ratio Lower Upper
84 100
86 65.1 44.1 81.9
49 130.1 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 54.115 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

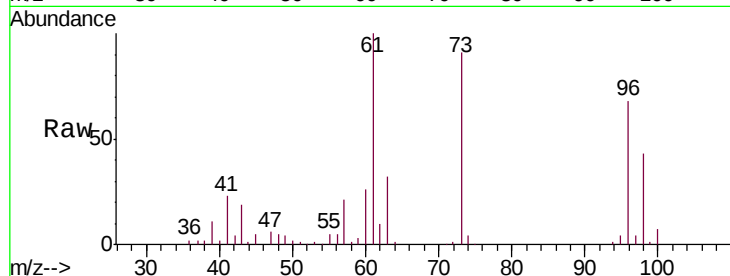
Tgt Ion: 96 Resp: 59121

Ion Ratio Lower Upper

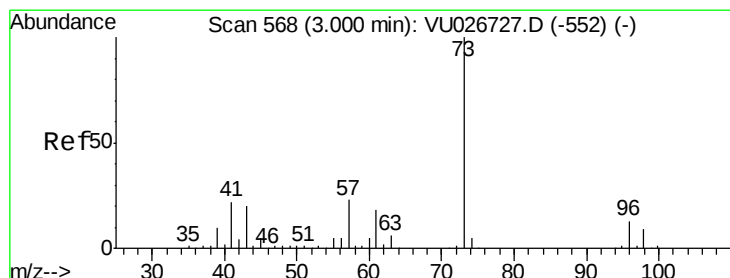
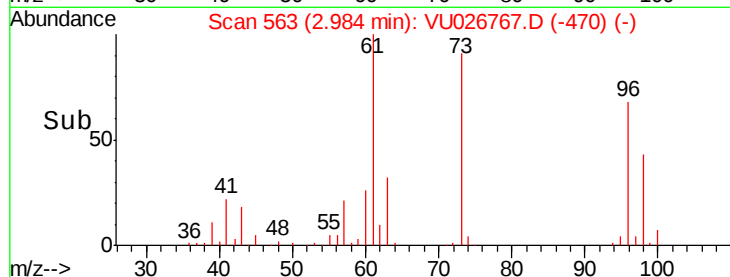
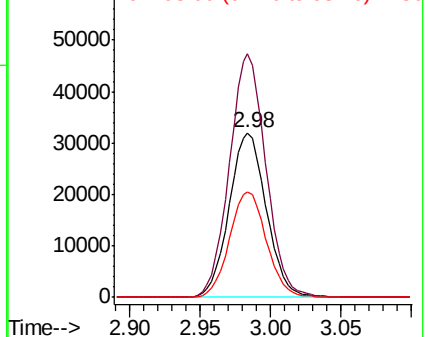
96 100

61 147.8 99.7 185.1

98 64.1 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 58.008 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

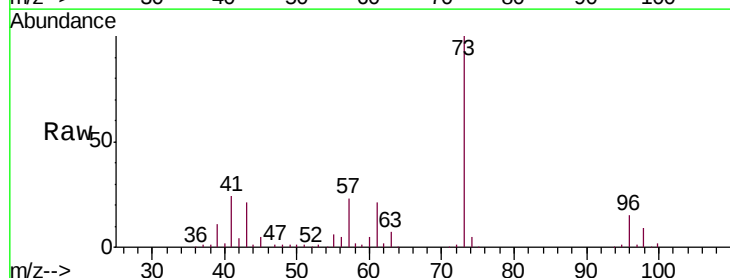
Tgt Ion: 73 Resp: 195279

Ion Ratio Lower Upper

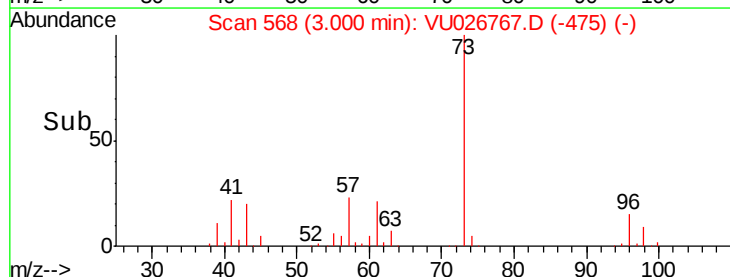
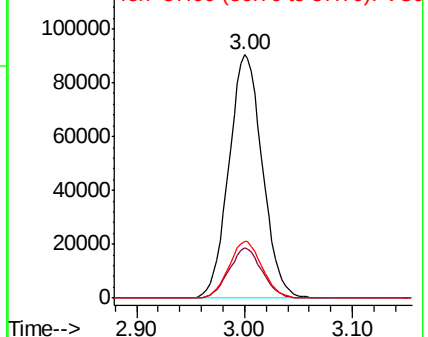
73 100

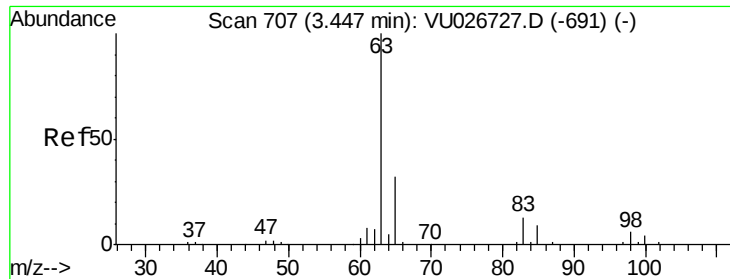
43 20.3 16.0 24.0

57 23.1 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 58.220 ug/L

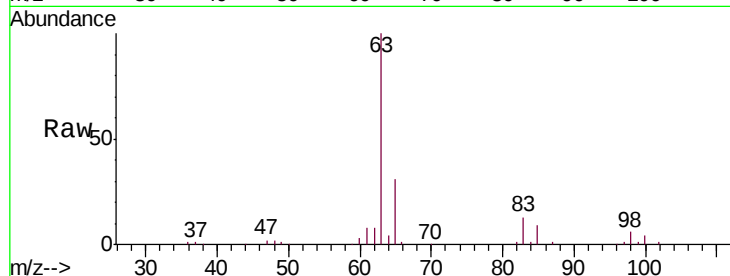
RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

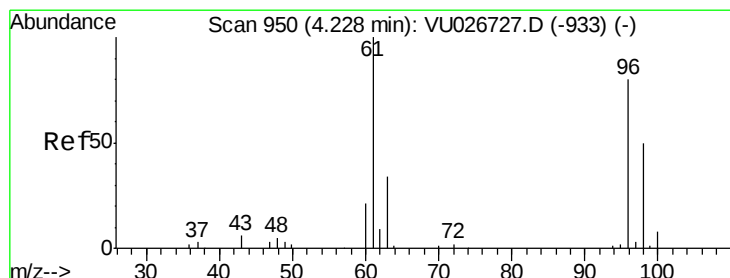
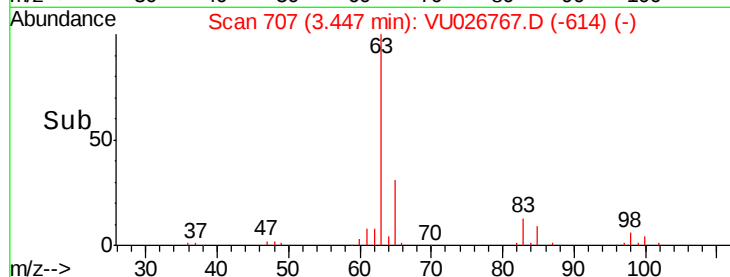
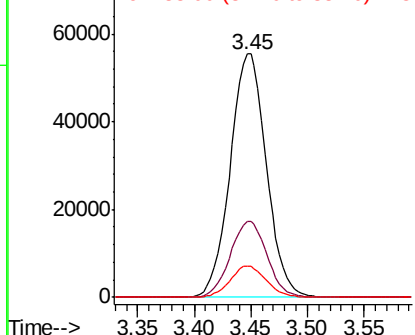
Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion:	63	Resp:	123356
Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.9	40.7
83	13.0	9.2	17.2



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 56.358 ug/L

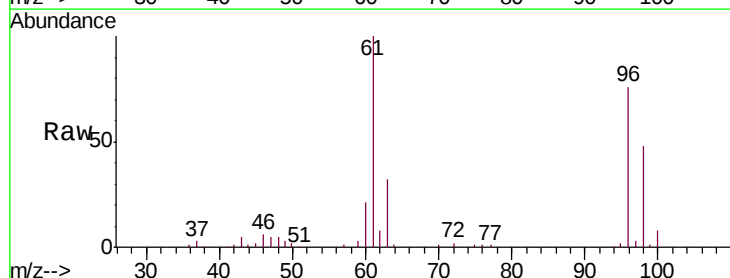
RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

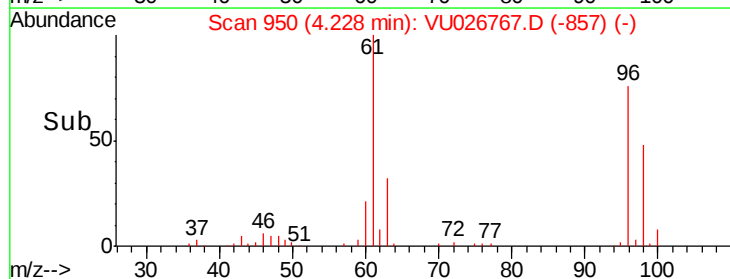
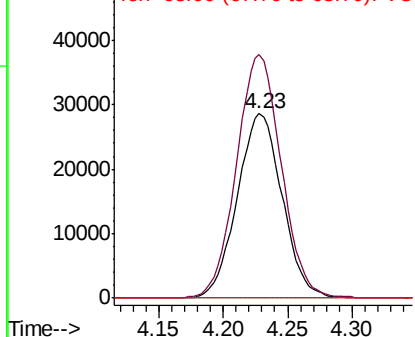
Lab File: VU026767.D

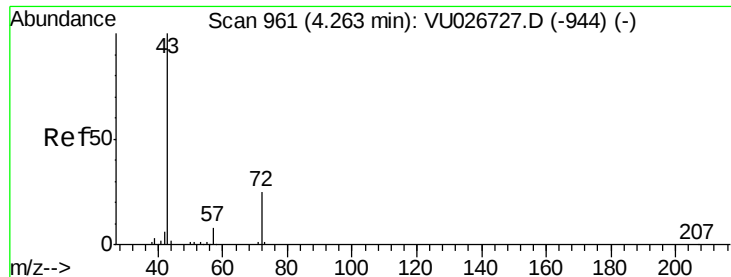
Acq: 14 Sep 2018 15:36

Tgt Ion:	96	Resp:	69352
Ion	Ratio	Lower	Upper
96	100		
61	132.1	92.9	172.5
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 104.066 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026767.D

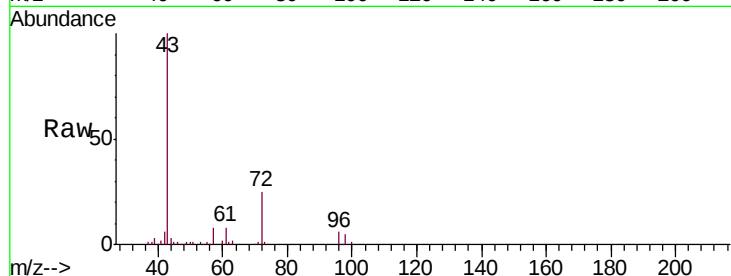
Acq: 14 Sep 2018 15:36

Tgt Ion: 43 Resp: 110047

Ion Ratio Lower Upper

43 100

72 25.0 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU026727.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU026727.D (-944) (-)

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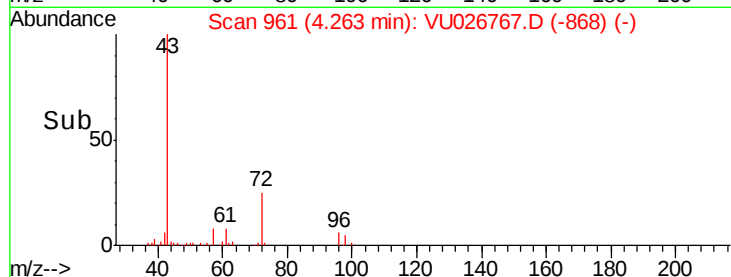
4.26

4.26

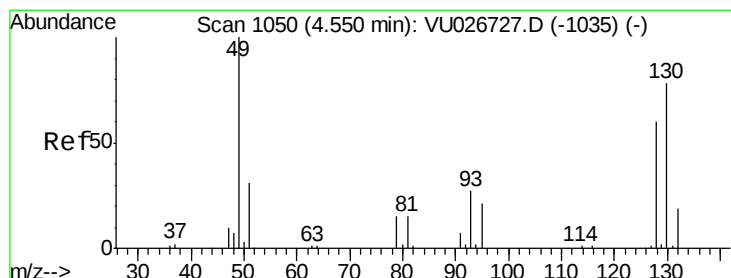
4.26

4.26

4.26



Time-->



#23

Bromochloromethane

Concen: 56.591 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 128 Resp: 35618

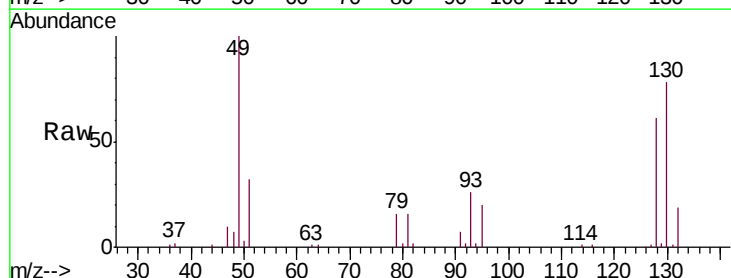
Ion Ratio Lower Upper

128 100

49 164.0 111.7 207.5

130 128.6 89.0 165.2

51 52.3 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU026727.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU026727.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU026727.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU026727.D (-1035) (-)

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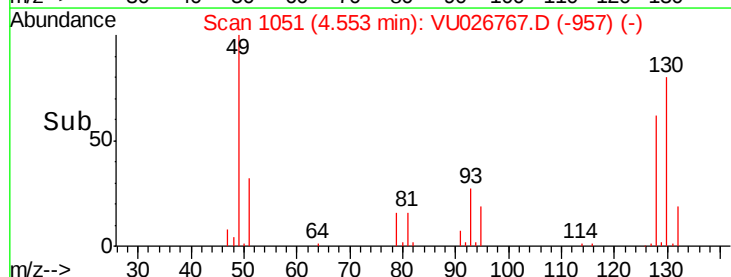
4.55

4.55

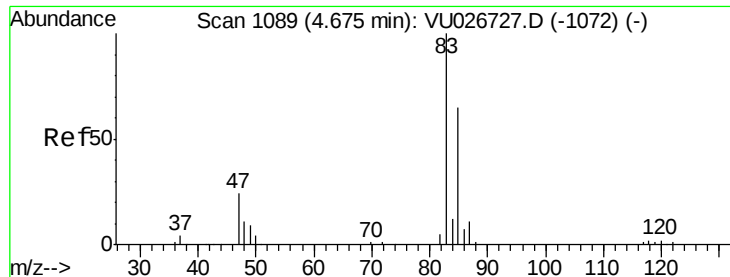
4.55

4.55

4.55



Time-->



#25

Chloroform

Concen: 58.811 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026767.D

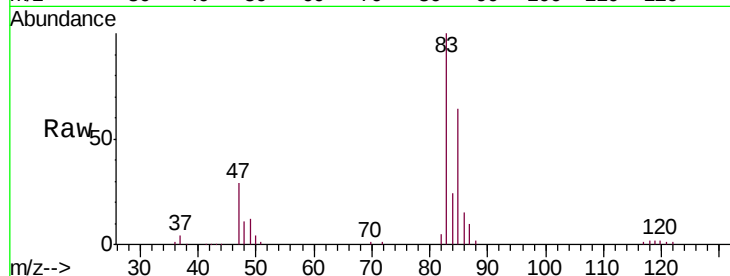
Acq: 14 Sep 2018 15:36

Tgt Ion: 83 Resp: 125246

Ion Ratio Lower Upper

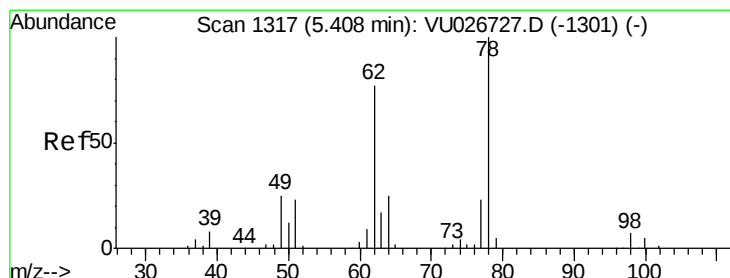
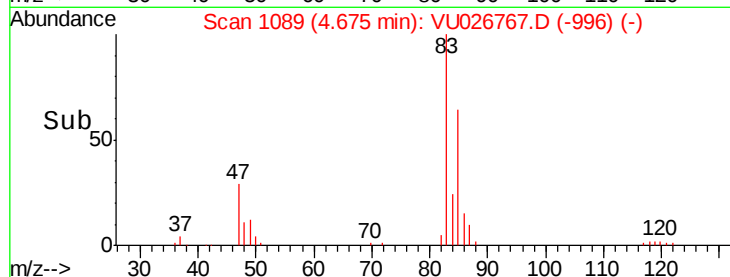
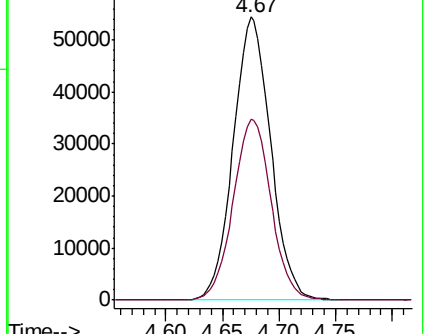
83 100

85 63.7 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 57.143 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU026767.D

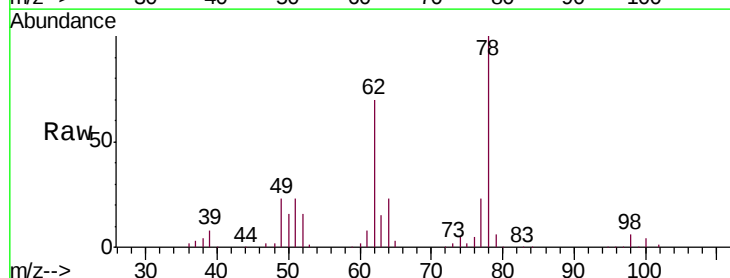
Acq: 14 Sep 2018 15:36

Tgt Ion: 62 Resp: 96632

Ion Ratio Lower Upper

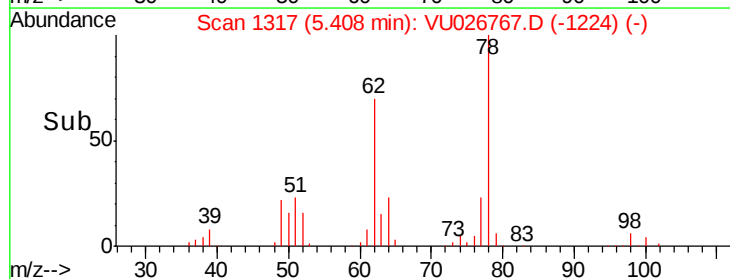
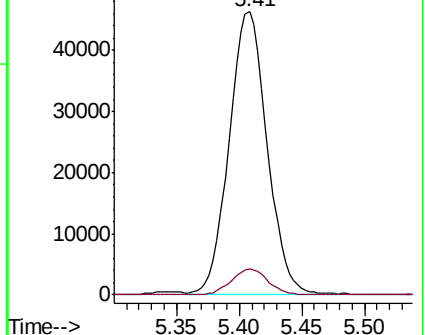
62 100

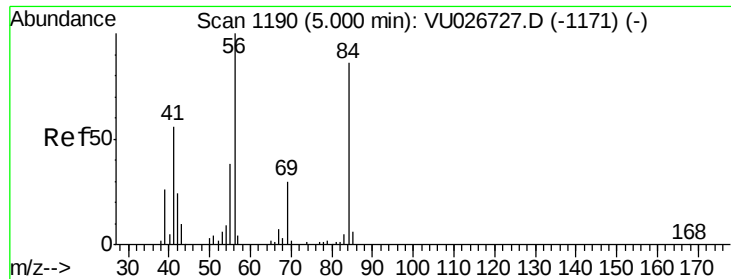
98 9.1 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

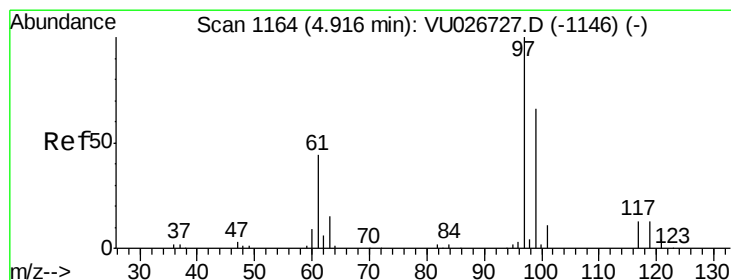
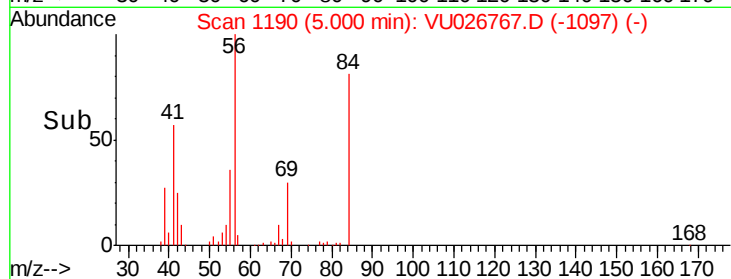
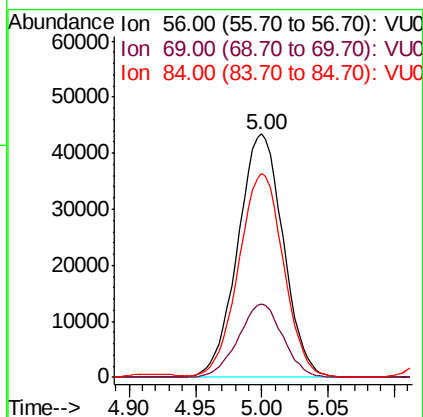
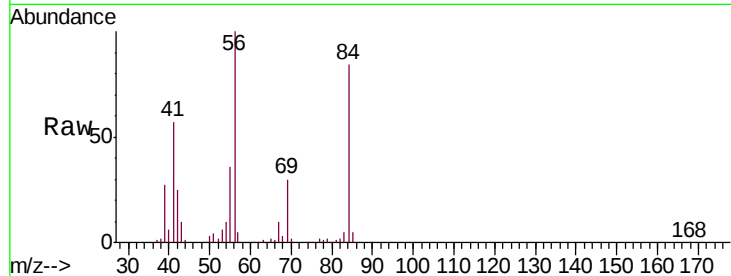
Ion 98.00 (97.70 to 98.70): VU0





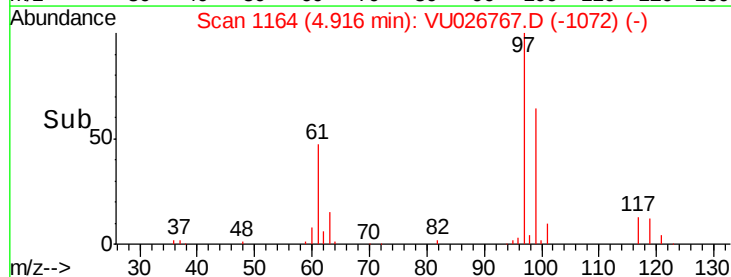
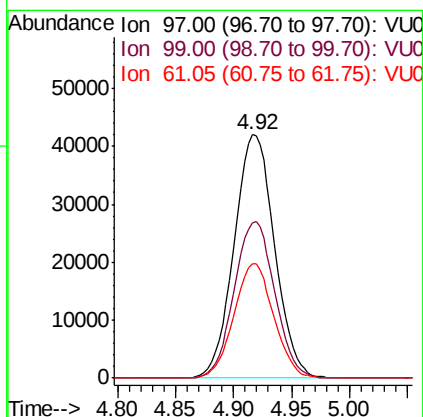
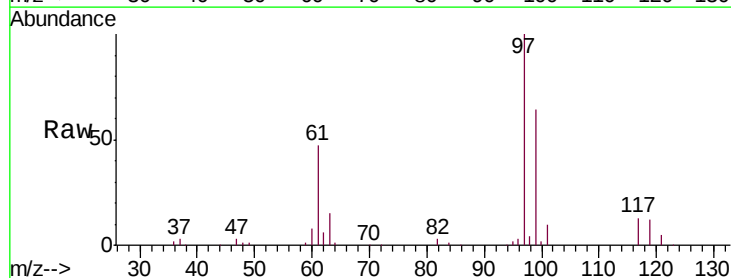
#29
Cyclohexane
Concen: 56.147 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

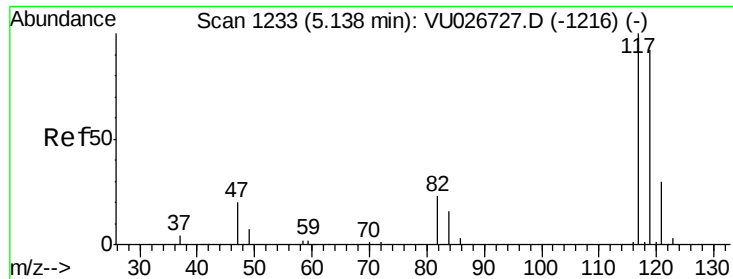
Tgt Ion:	56	Resp:	103494
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.6
84	83.2	66.5	99.7



#30
1,1,1-Trichloroethane
Concen: 57.260 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion:	97	Resp:	102076
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	46.2	36.2	54.2





#31

Carbon tetrachloride

Concen: 55.873 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026767.D

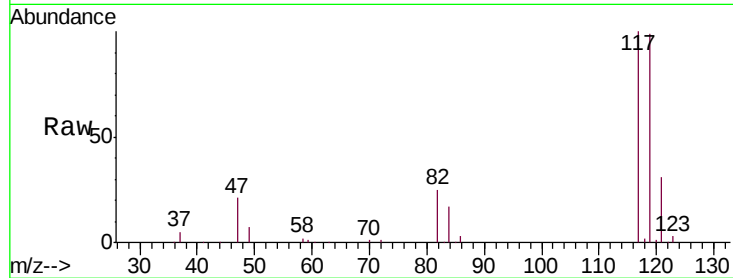
Acq: 14 Sep 2018 15:36

Tgt Ion: 117 Resp: 90031

Ion Ratio Lower Upper

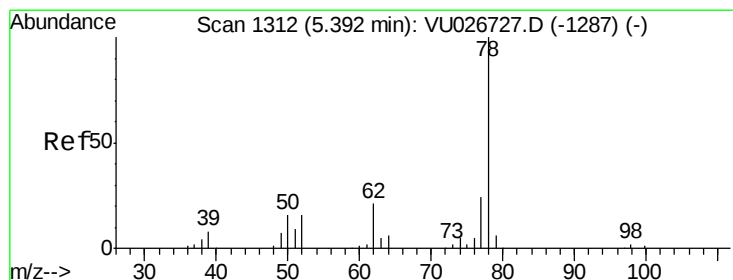
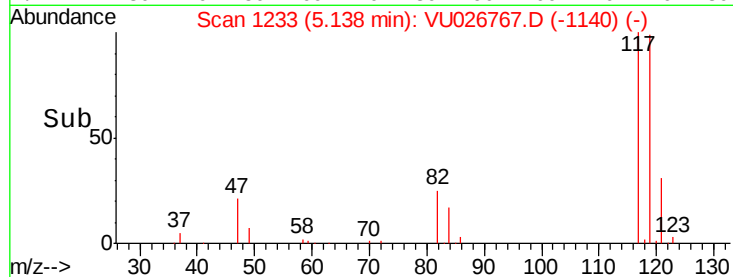
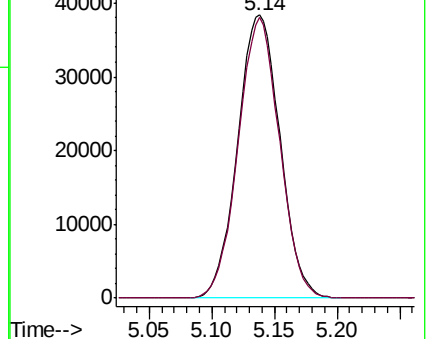
117 100

119 96.6 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 57.110 ug/L

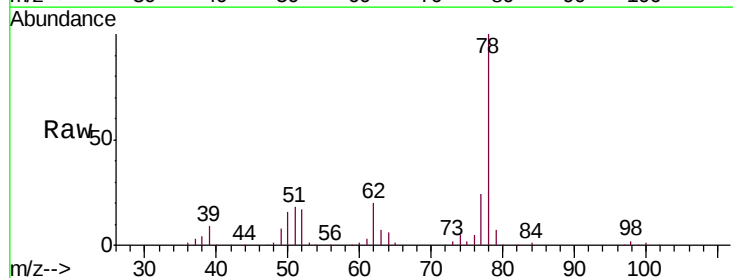
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

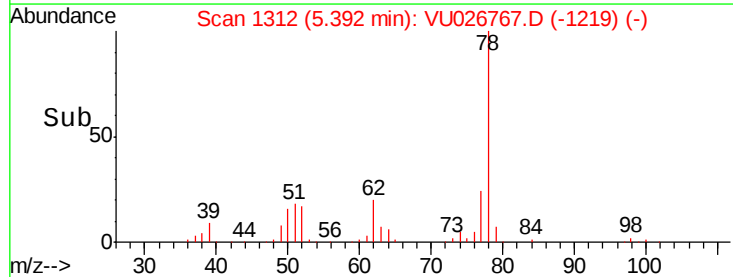
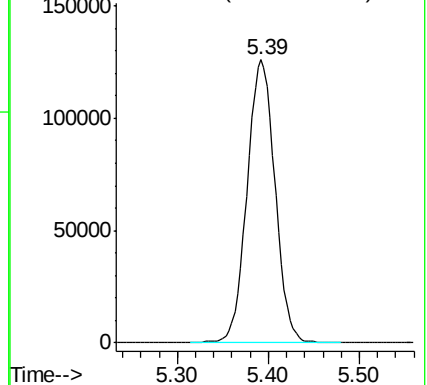
Lab File: VU026767.D

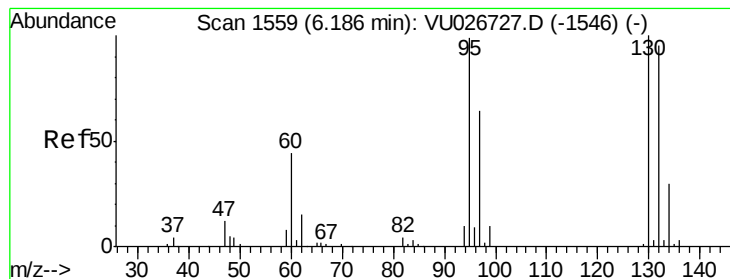
Acq: 14 Sep 2018 15:36

Tgt Ion: 78 Resp: 269122



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 54.746 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 95 Resp: 64122

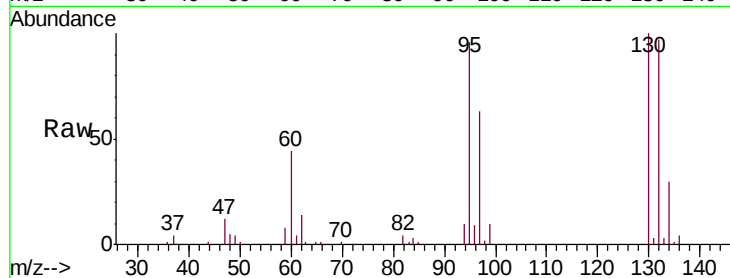
Ion Ratio Lower Upper

95 100

97 65.2 44.9 83.5

132 101.1 69.7 129.5

130 104.3 72.4 134.4

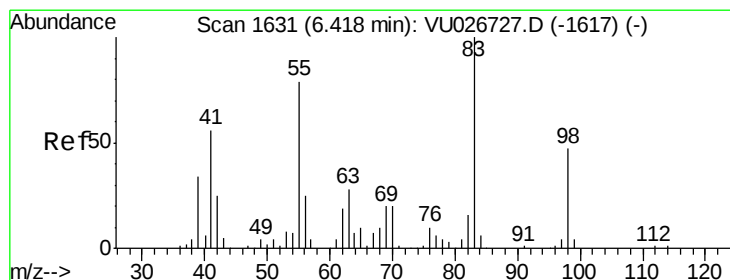
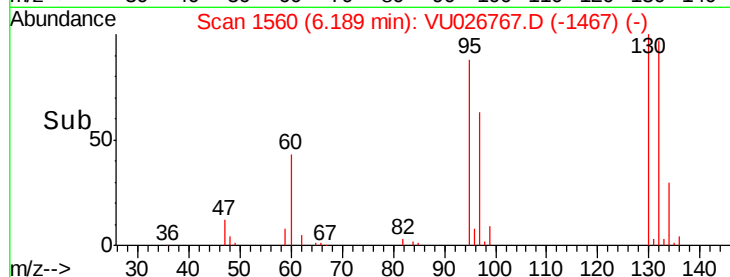
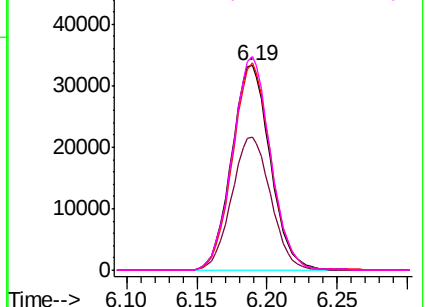


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 55.247 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

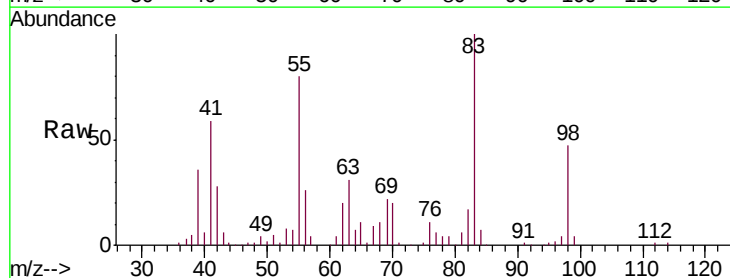
Tgt Ion: 83 Resp: 103580

Ion Ratio Lower Upper

83 100

55 79.4 62.9 94.3

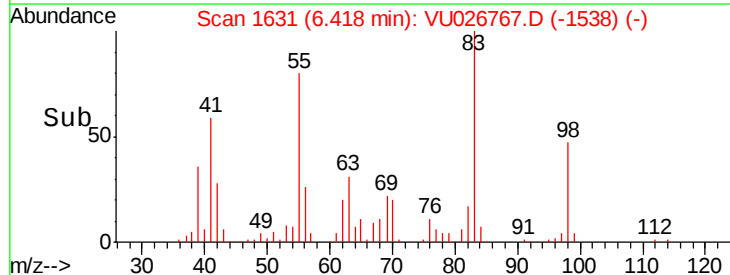
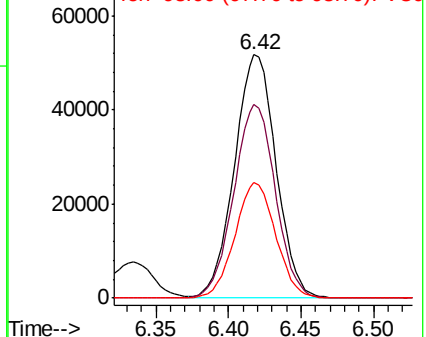
98 46.3 37.0 55.4

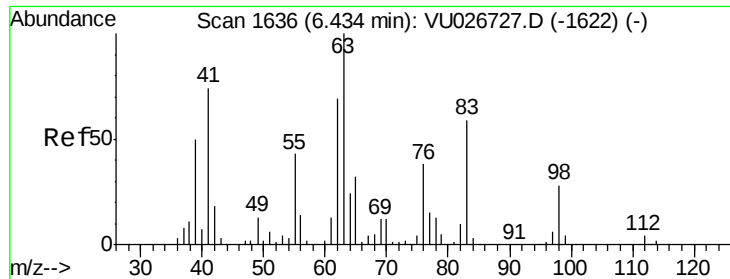


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

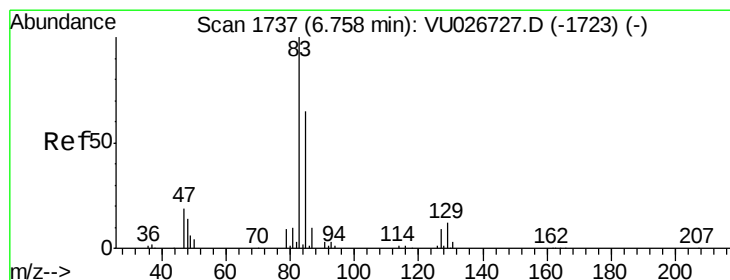
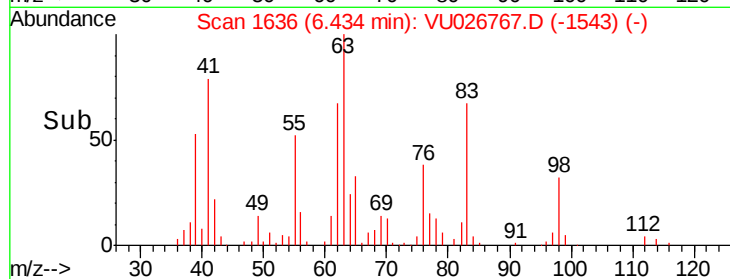
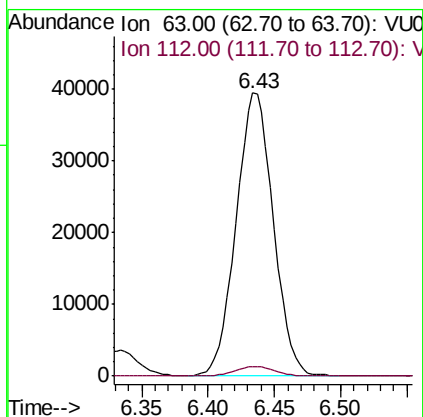
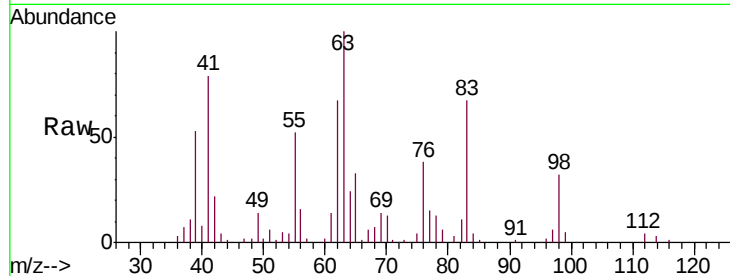
Ion 98.00 (97.70 to 98.70): VU0





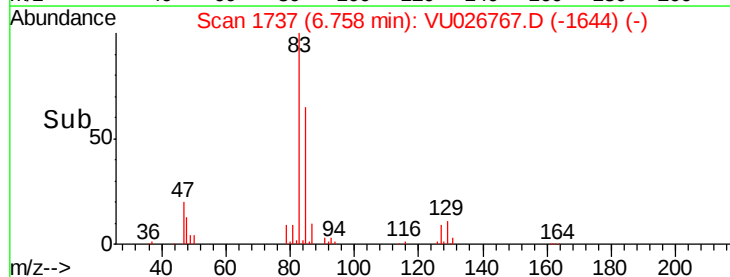
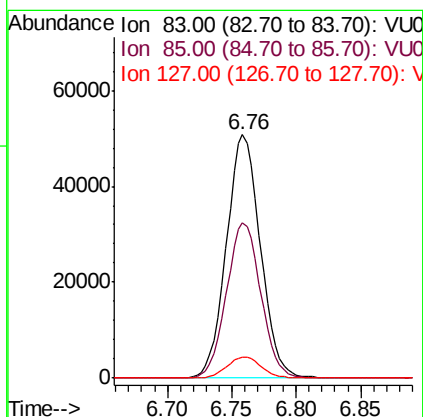
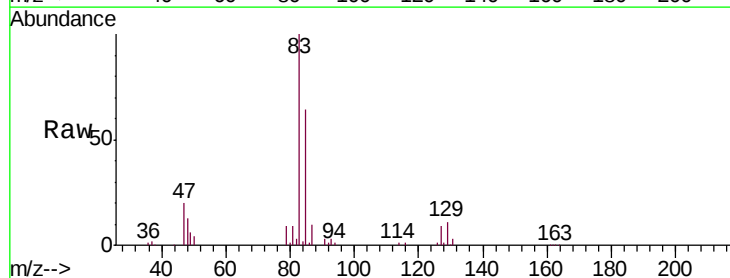
#37
 1,2-Dichloropropane
 Concen: 58.459 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

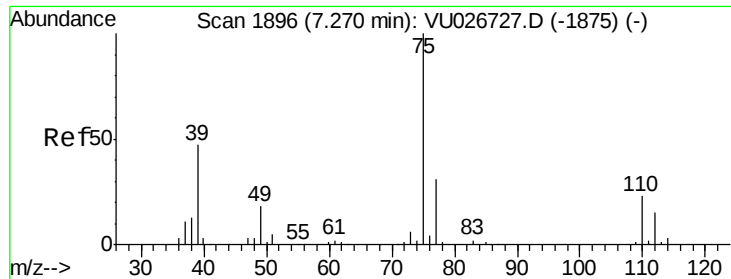
Tgt Ion: 63 Resp: 76959
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 57.608 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

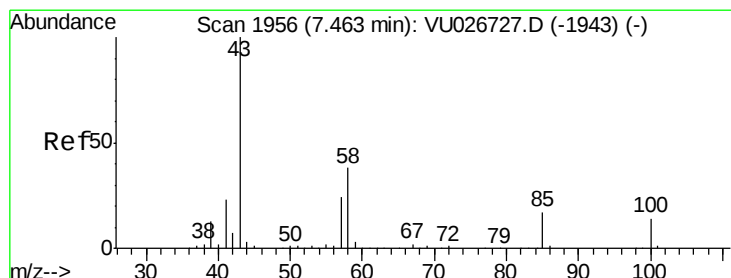
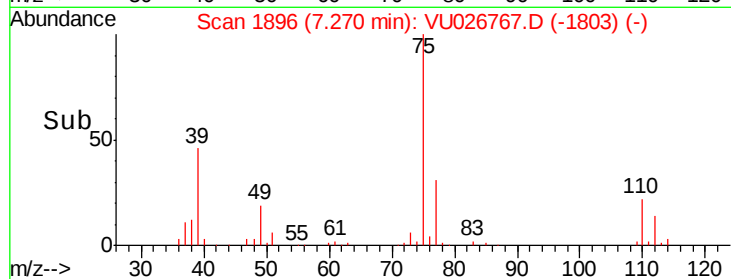
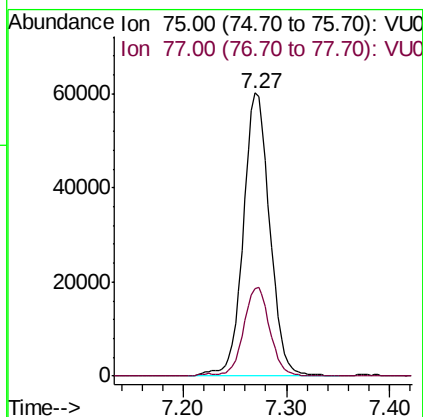
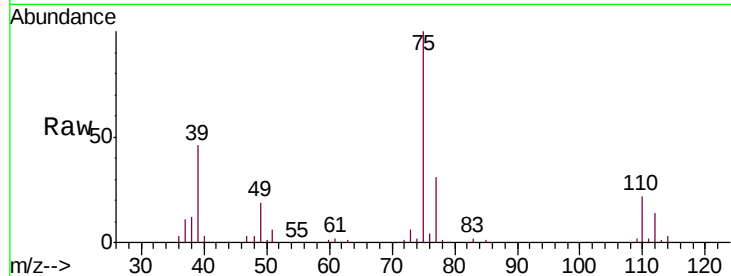
Tgt Ion: 83 Resp: 92940
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.9
 127 8.5 7.2 10.8





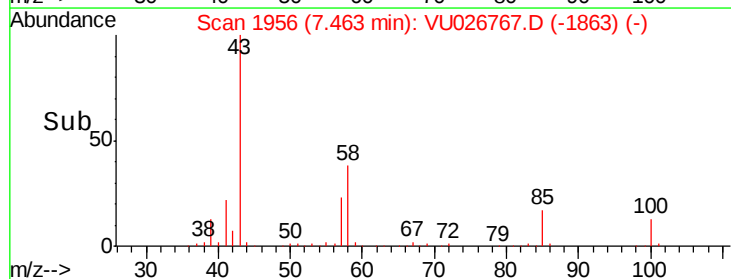
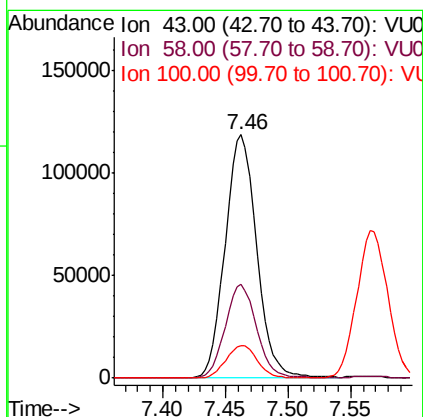
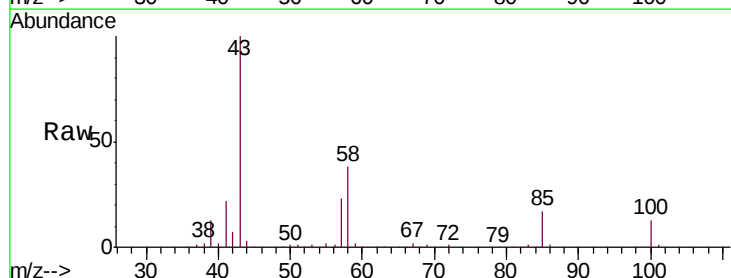
#39
 cis-1,3-Dichloropropene
 Concen: 55.154 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

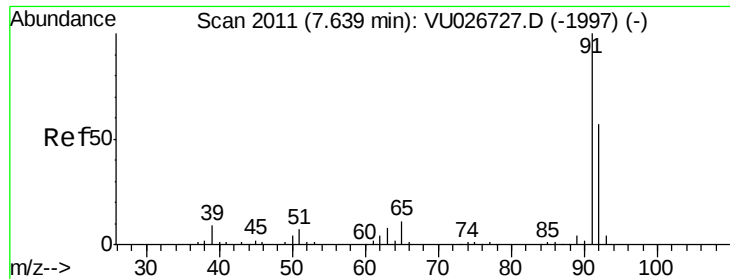
Tgt Ion: 75 Resp: 107442
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 124.100 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

Tgt Ion: 43 Resp: 208397
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.1 46.7
 100 13.3 11.3 16.9





#42

Toluene

Concen: 57.155 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026767.D

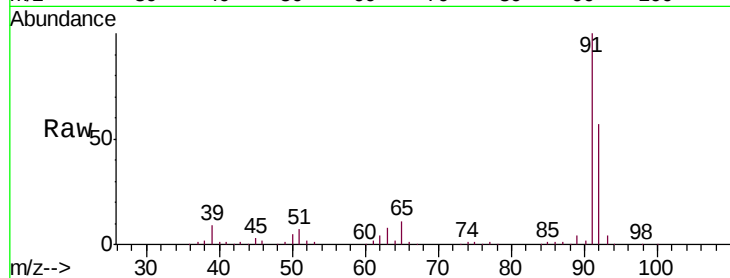
Acq: 14 Sep 2018 15:36

Tgt Ion: 91 Resp: 279159

Ion Ratio Lower Upper

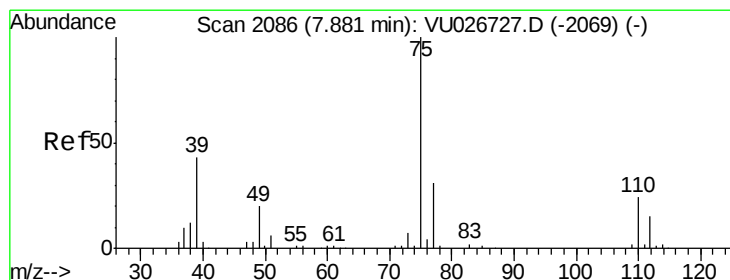
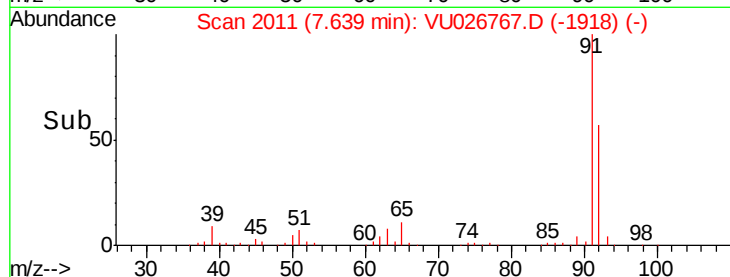
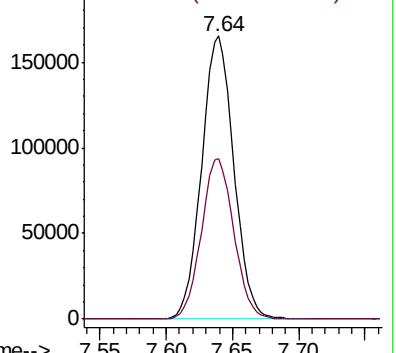
91 100

92 56.5 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 55.443 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026767.D

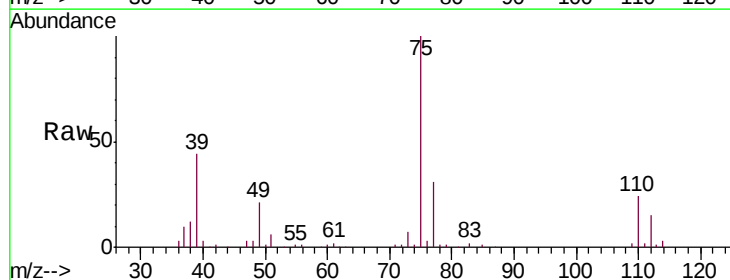
Acq: 14 Sep 2018 15:36

Tgt Ion: 75 Resp: 100478

Ion Ratio Lower Upper

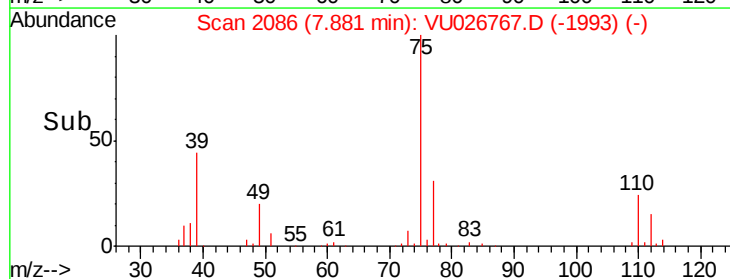
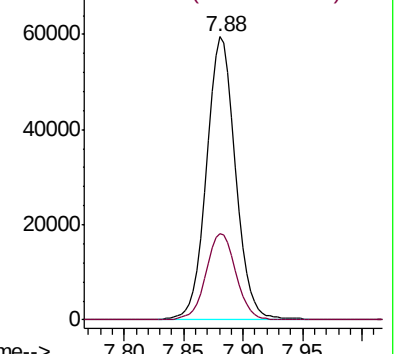
75 100

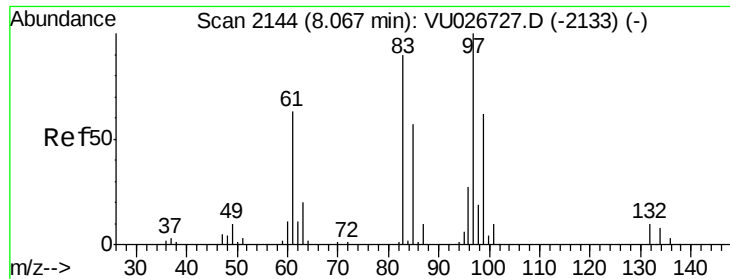
77 30.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 58.274 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 97 Resp: 68048

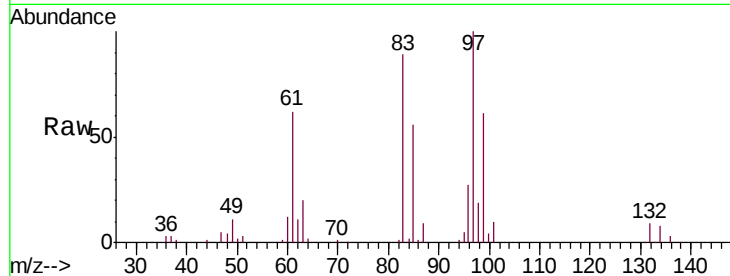
Ion Ratio Lower Upper

97 100

99 60.7 44.2 82.2

83 88.7 63.8 118.6

85 56.3 39.4 73.2

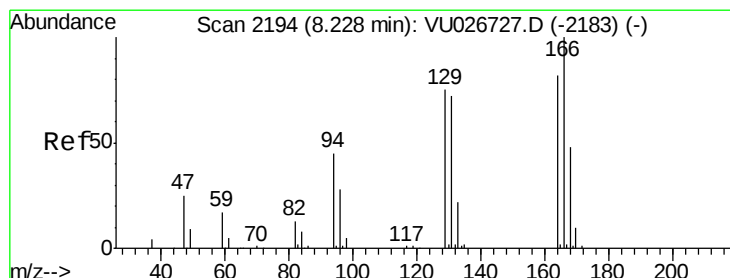
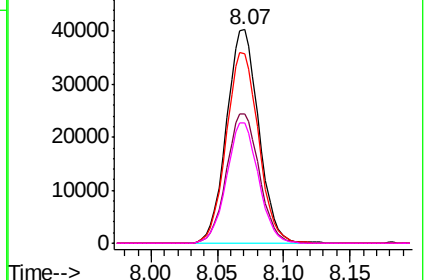
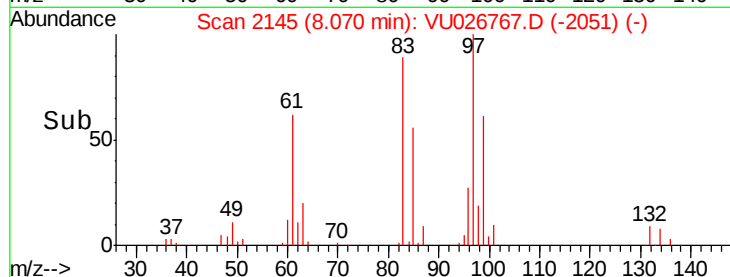


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 54.037 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 164 Resp: 53193

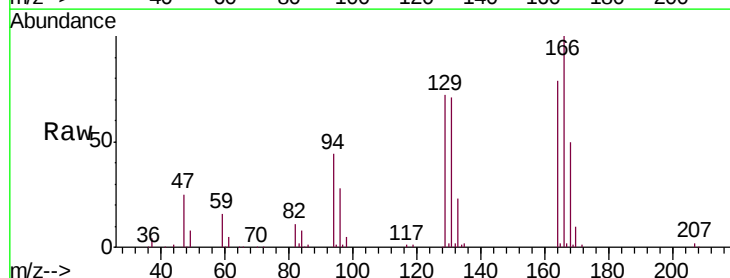
Ion Ratio Lower Upper

164 100

129 90.7 65.0 120.8

131 89.6 62.5 116.1

166 126.3 89.0 165.2

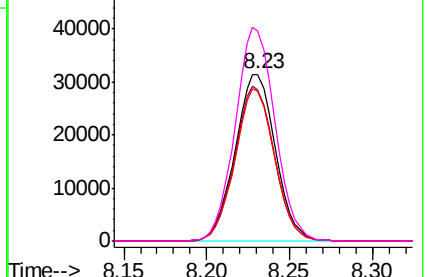
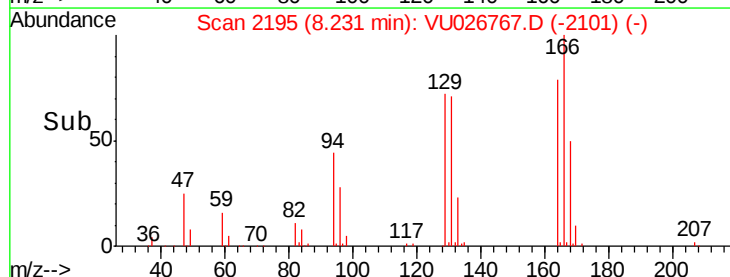


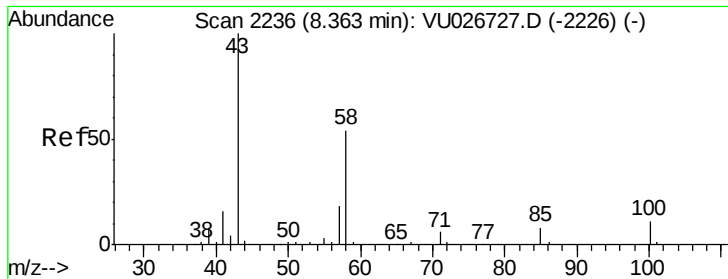
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

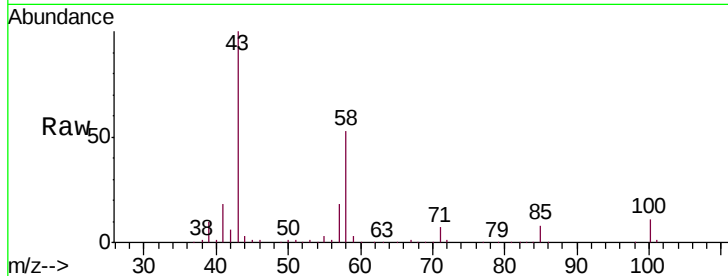
Ion 166.00 (165.70 to 166.70): V



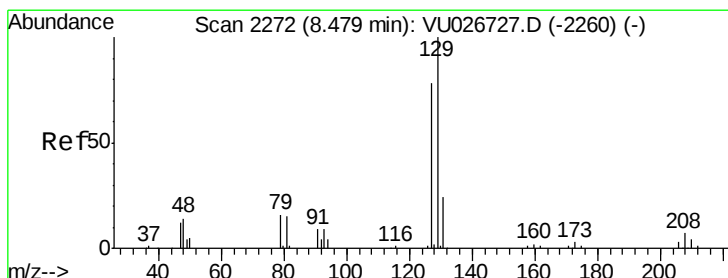
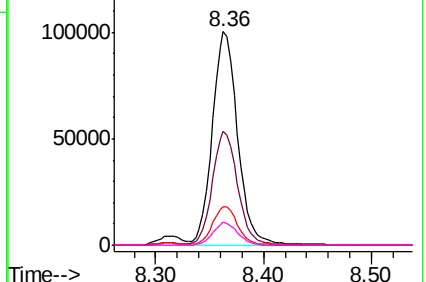
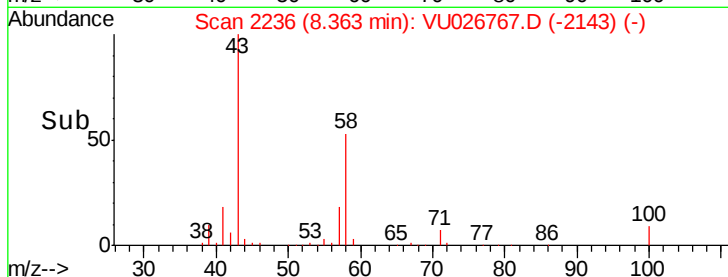


#48
2-Hexanone
Concen: 115.153 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion:	43	Resp:	163261
Ion	Ratio	Lower	Upper
43	100		
58	52.7	42.2	63.4
57	18.1	14.4	21.6
100	10.6	8.7	13.1

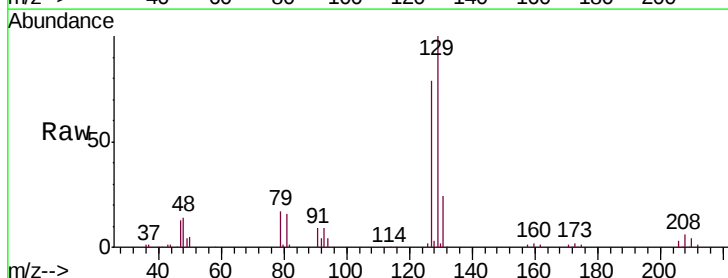


Abundance Ion 43.00 (42.70 to 43.70): VU026727.D (-2226) (-)
Ion 58.00 (57.70 to 58.70): VU026727.D (-2226) (-)
Ion 57.00 (56.70 to 57.70): VU026727.D (-2226) (-)
Ion 100.00 (99.70 to 100.70): VU026727.D (-2226) (-)

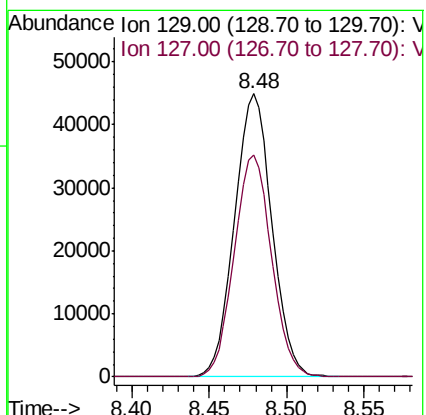
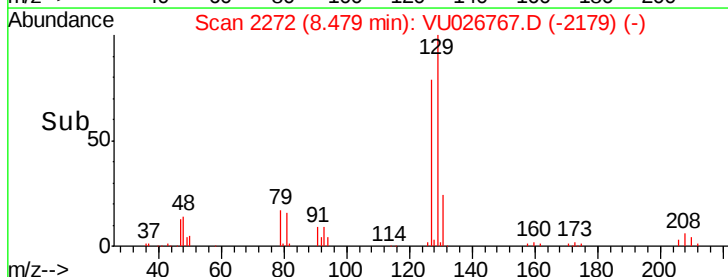


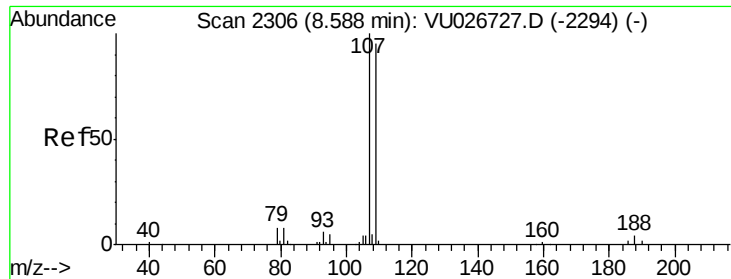
#49
Dibromochloromethane
Concen: 55.977 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion:	129	Resp:	75554
Ion	Ratio	Lower	Upper
129	100		
127	78.5	55.8	103.6



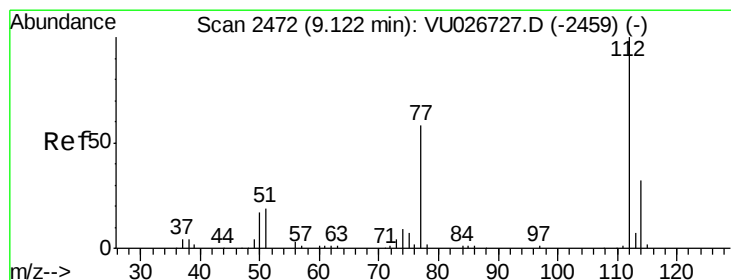
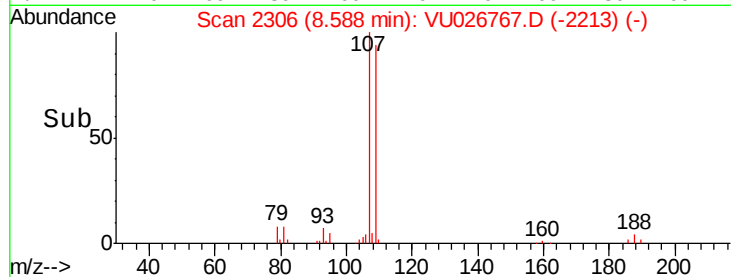
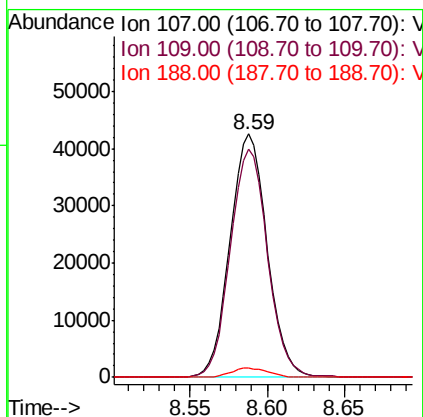
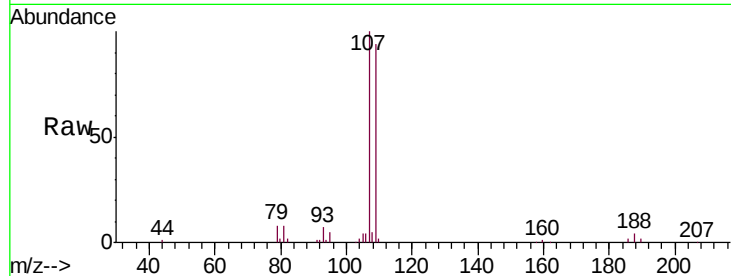
Abundance Ion 129.00 (128.70 to 129.70): VU026727.D (-2260) (-)
Ion 127.00 (126.70 to 127.70): VU026727.D (-2260) (-)





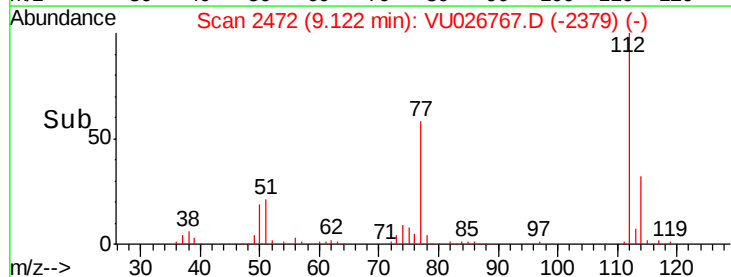
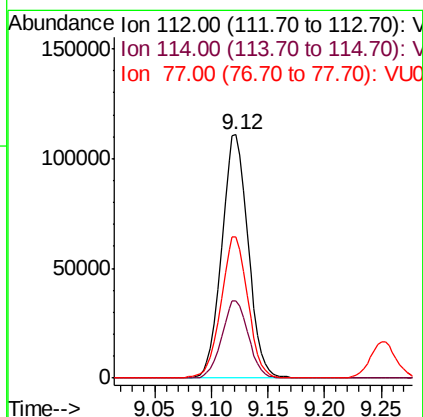
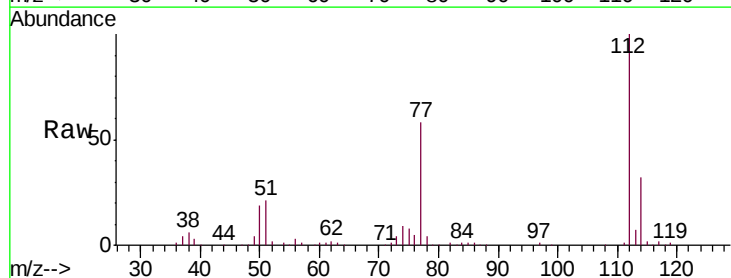
#50
1,2-Dibromoethane
Concen: 56.734 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

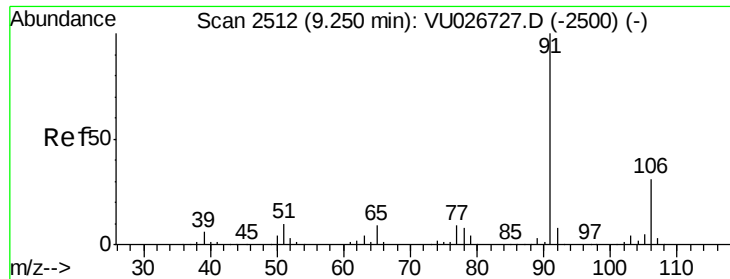
Tgt Ion:107 Resp: 70871
Ion Ratio Lower Upper
107 100
109 93.7 66.4 123.4
188 3.8 3.0 4.4



#51
Chlorobenzene
Concen: 56.219 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion:112 Resp: 180293
Ion Ratio Lower Upper
112 100
114 31.9 22.9 42.5
77 58.0 47.2 70.8





#52

Ethylbenzene

Concen: 56.904 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026767.D

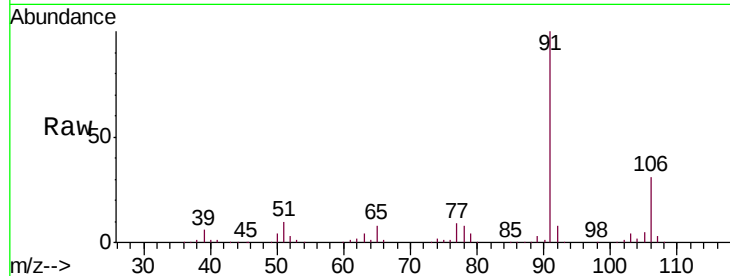
Acq: 14 Sep 2018 15:36

Tgt Ion: 91 Resp: 300581

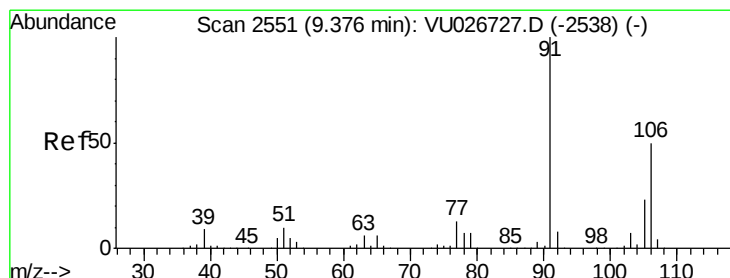
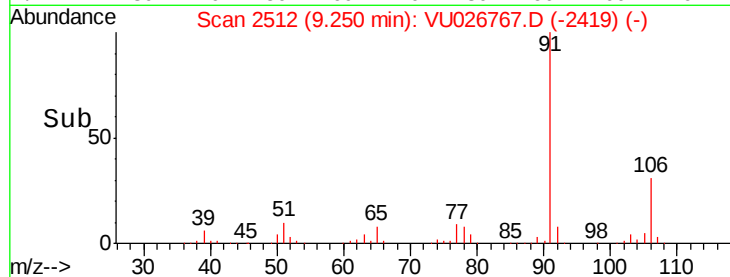
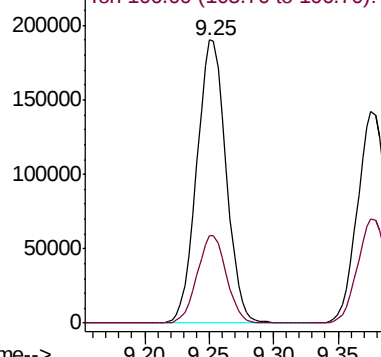
Ion Ratio Lower Upper

91 100

106 30.9 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026727.D (-2500) (-)



#53

m,p-Xylene

Concen: 57.094 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026767.D

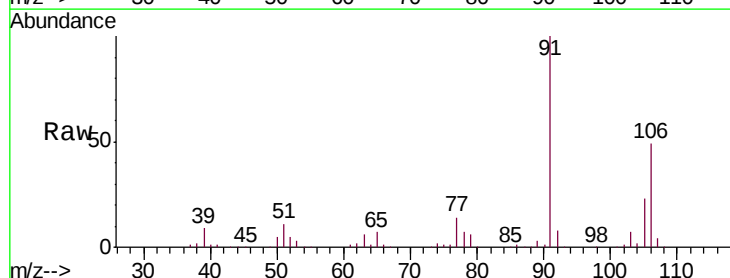
Acq: 14 Sep 2018 15:36

Tgt Ion: 106 Resp: 113714

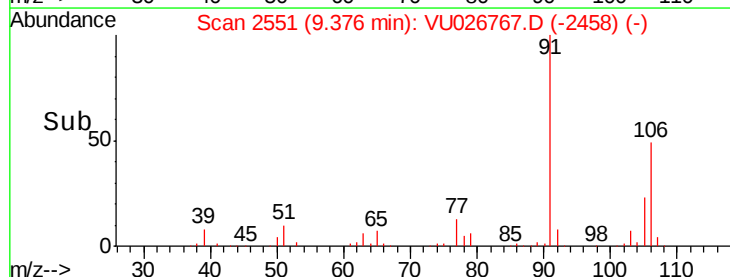
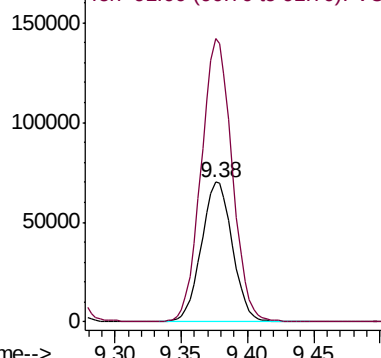
Ion Ratio Lower Upper

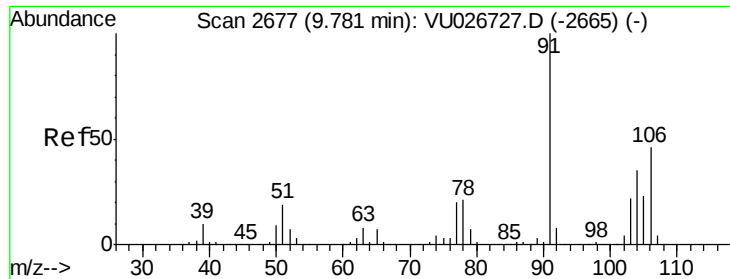
106 100

91 202.6 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026727.D (-2538) (-)





#54

o-xylene

Concen: 57.809 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026767.D

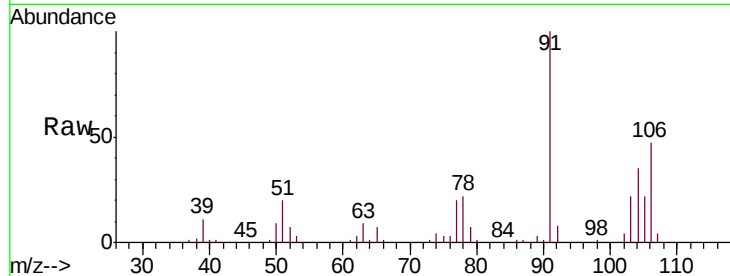
Acq: 14 Sep 2018 15:36

Tgt Ion:106 Resp: 114272

Ion Ratio Lower Upper

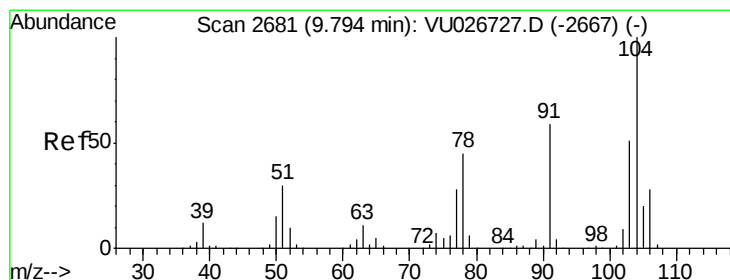
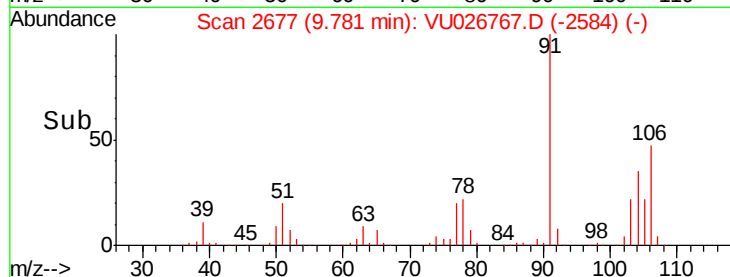
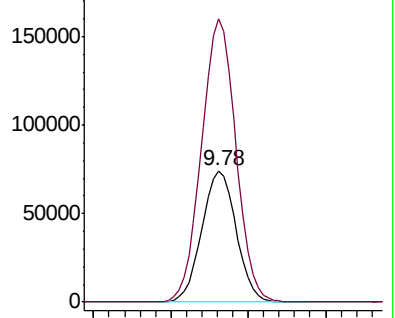
106 100

91 215.0 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 58.213 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026767.D

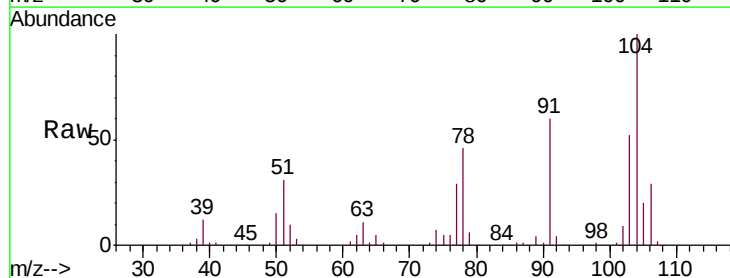
Acq: 14 Sep 2018 15:36

Tgt Ion:104 Resp: 194649

Ion Ratio Lower Upper

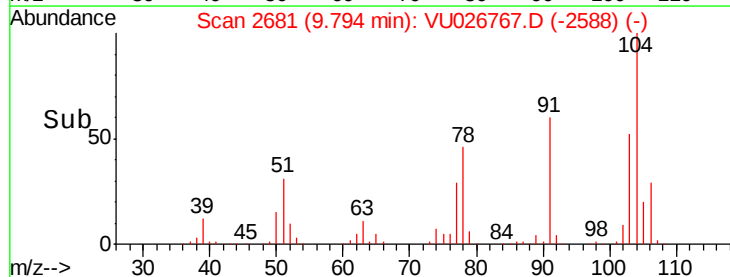
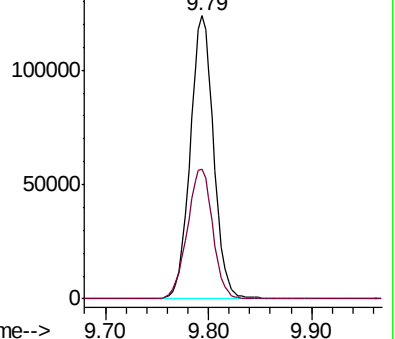
104 100

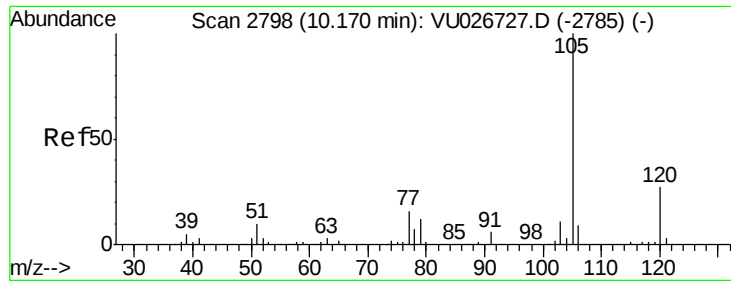
78 46.1 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 57.885 ug/L

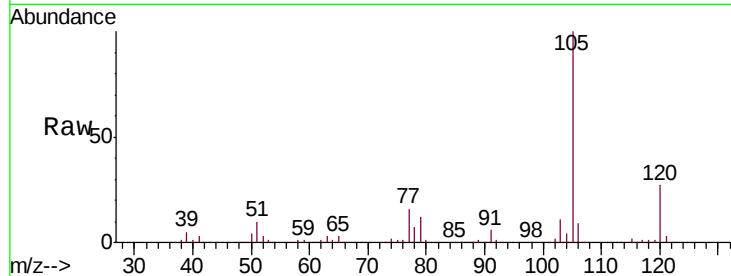
RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

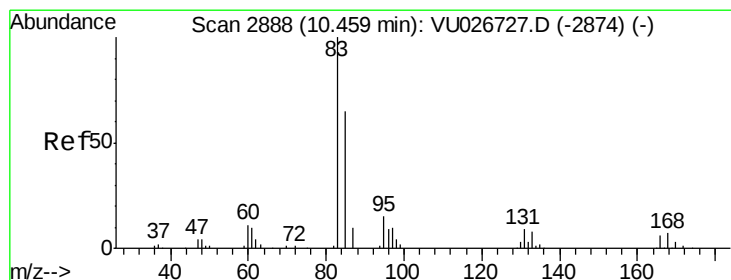
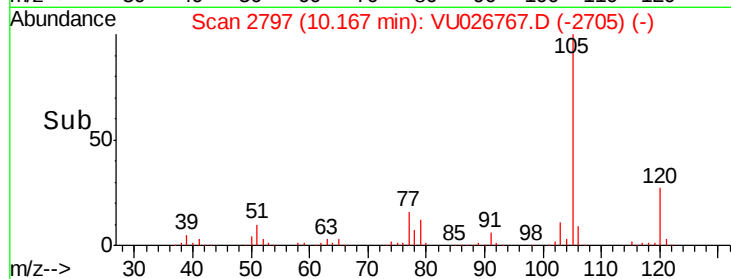
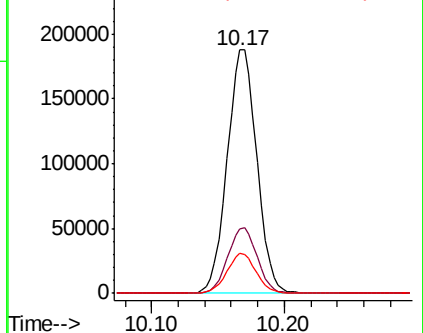
Tgt Ion:	105	Resp:	291477
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.5	32.3
77	16.2	12.6	18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 57.720 ug/L

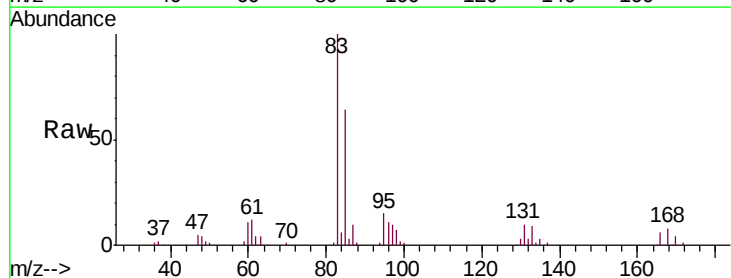
RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

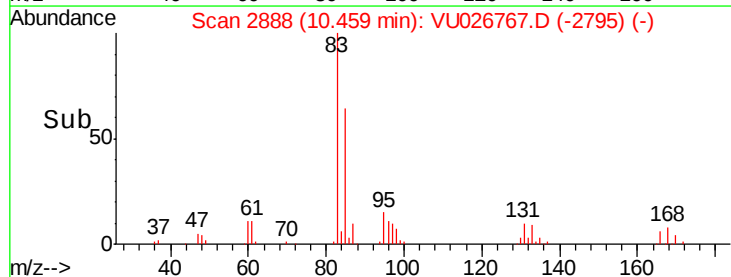
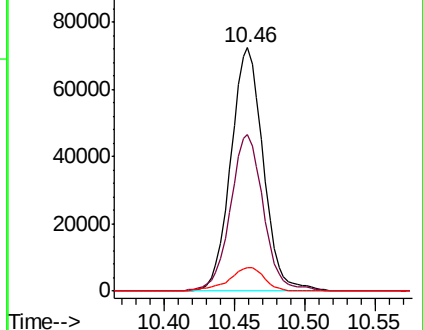
Tgt Ion:	83	Resp:	116765
Ion	Ratio	Lower	Upper
83	100		
85	64.3	45.4	84.2
131	9.8	8.0	12.0

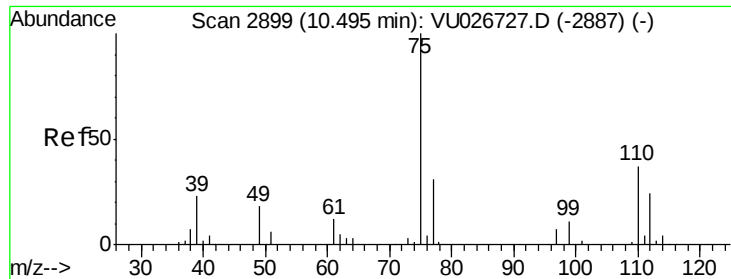


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

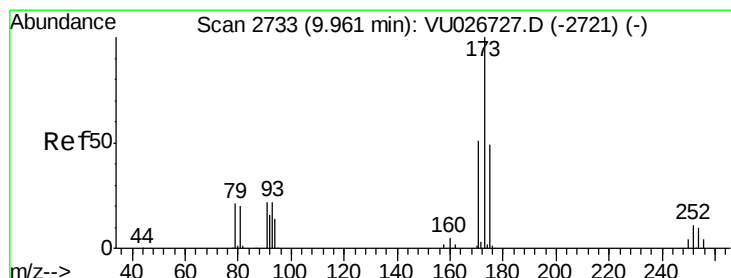
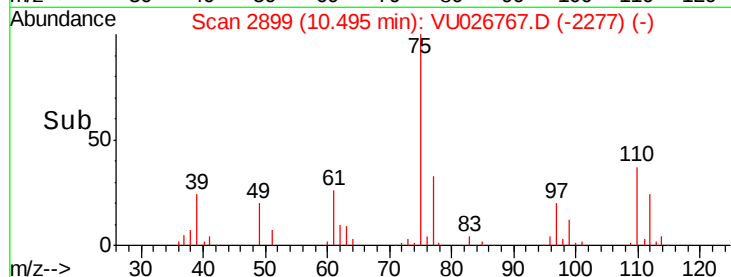
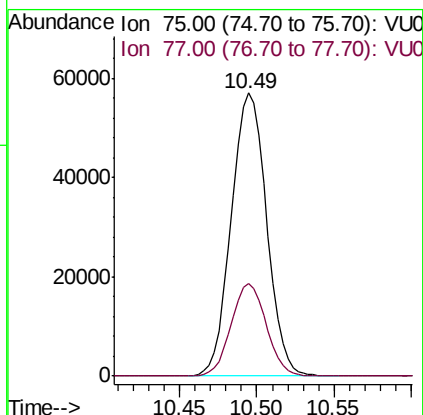
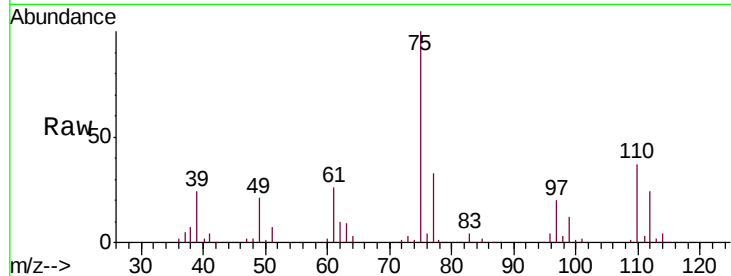
Ion 131.00 (130.70 to 131.70): V





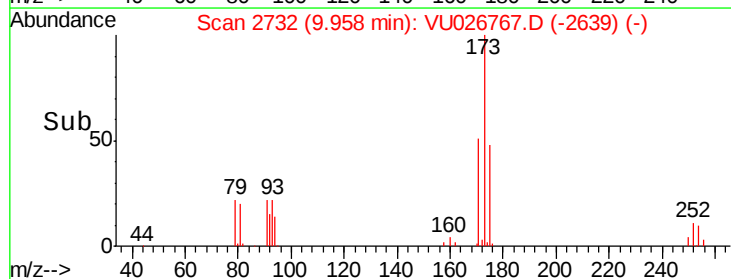
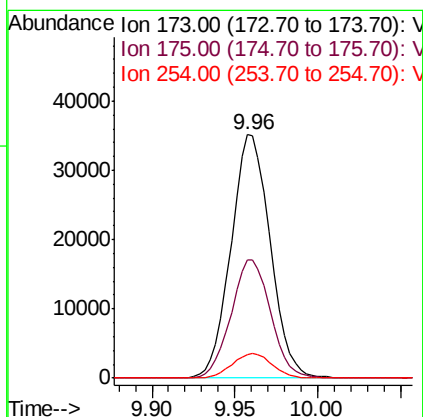
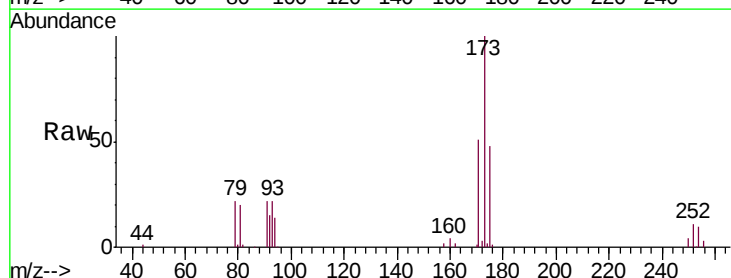
#59
 1,2,3-Trichloropropane
 Concen: 58.259 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

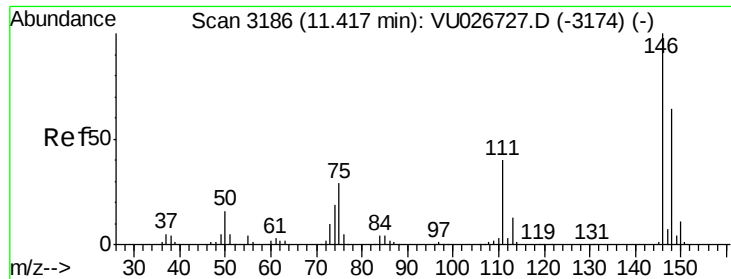
Tgt Ion: 75 Resp: 90746
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.6



#61
 Bromoform
 Concen: 56.734 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

Tgt Ion: 173 Resp: 57744
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.2 57.4
 254 10.3 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 55.977 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

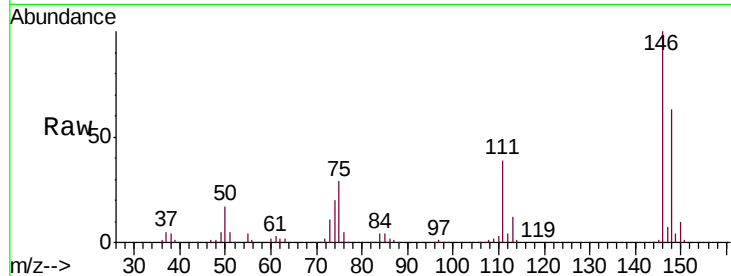
Tgt Ion:146 Resp: 132798

Ion Ratio Lower Upper

146 100

111 39.5 26.7 49.5

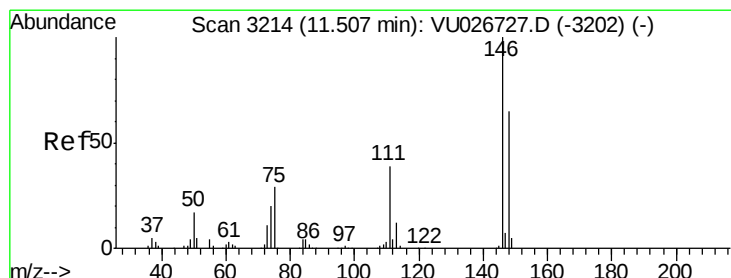
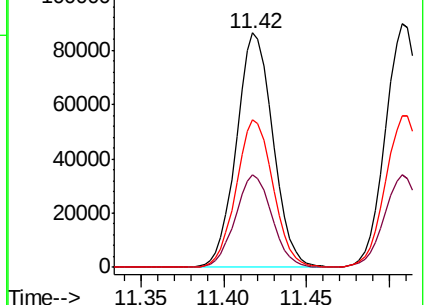
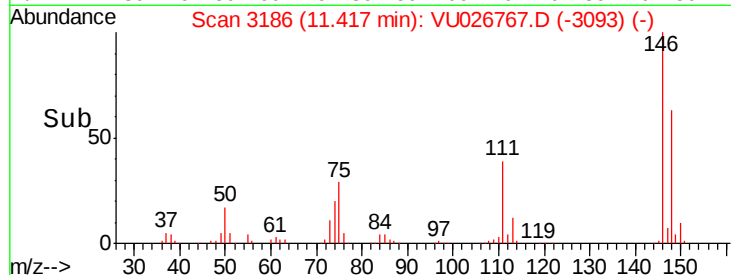
148 63.2 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 54.791 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

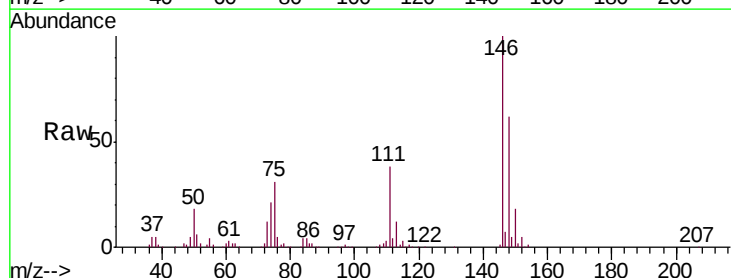
Tgt Ion:146 Resp: 137701

Ion Ratio Lower Upper

146 100

111 38.0 26.5 49.3

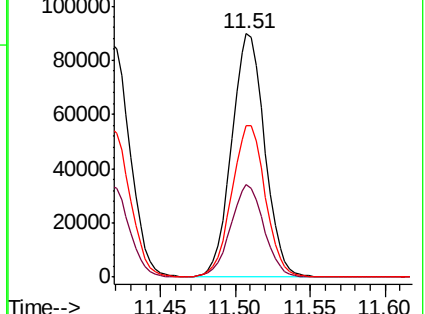
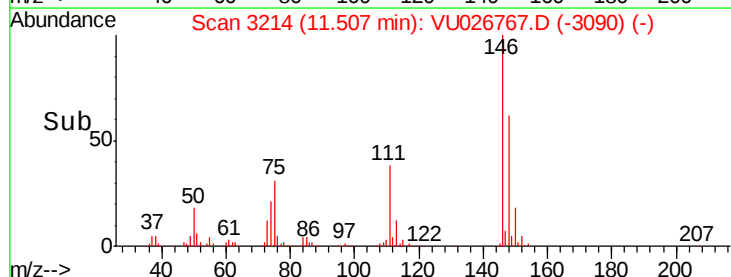
148 62.4 45.2 84.0

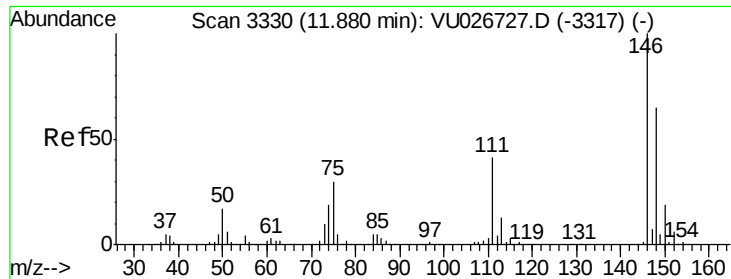


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 58.271 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

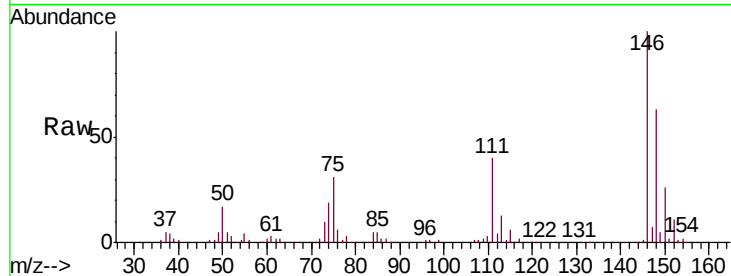
Tgt Ion: 146 Resp: 146104

Ion Ratio Lower Upper

146 100

111 39.7 32.8 49.2

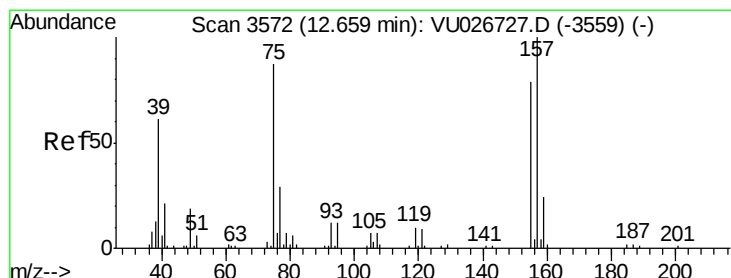
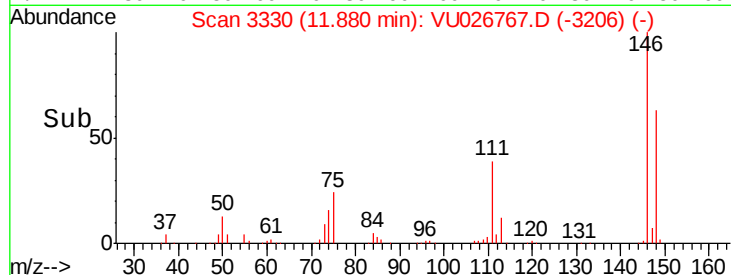
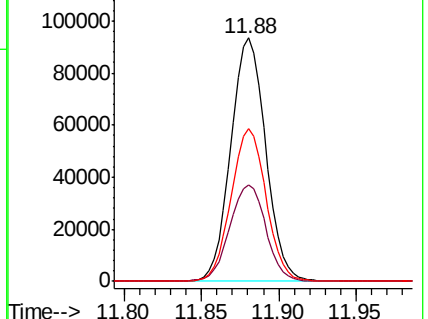
148 62.7 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 60.412 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

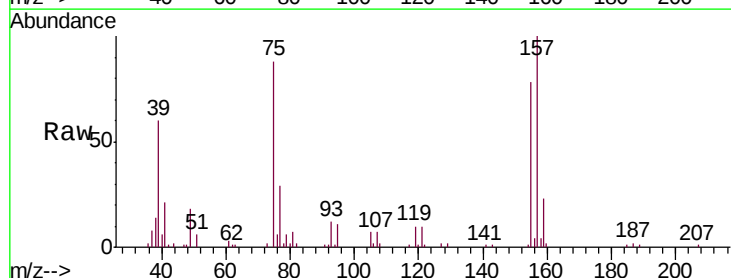
Tgt Ion: 75 Resp: 24471

Ion Ratio Lower Upper

75 100

155 87.9 69.3 103.9

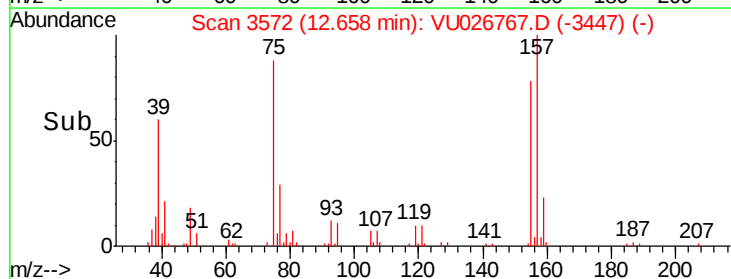
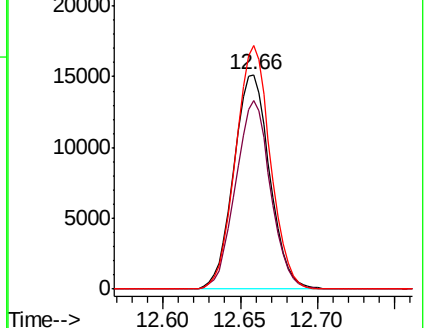
157 113.4 93.4 140.0

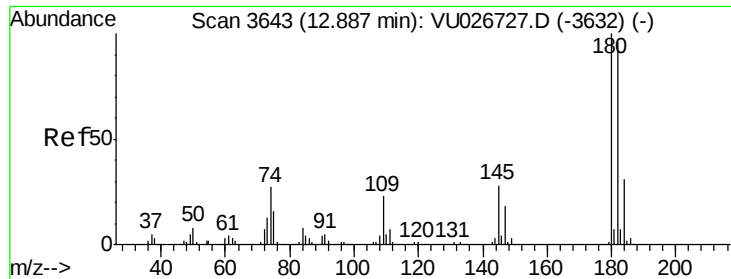


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

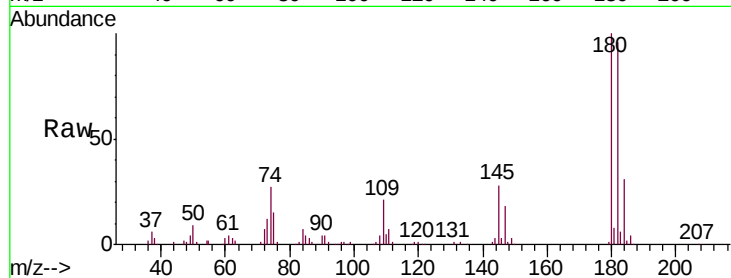
Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 54.930 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

Tgt Ion:	180	Resp:	103367
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
184	30.6	24.2	36.2
145	28.1	21.4	32.2



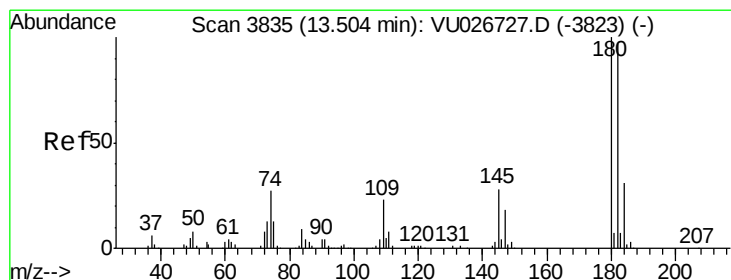
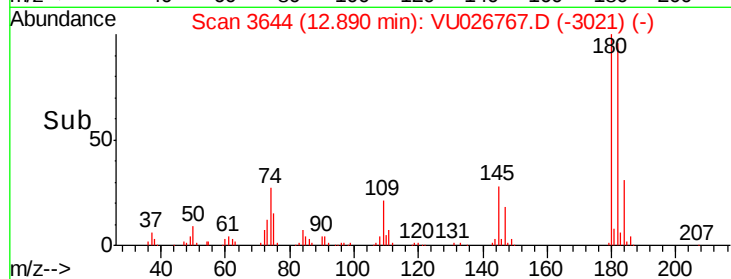
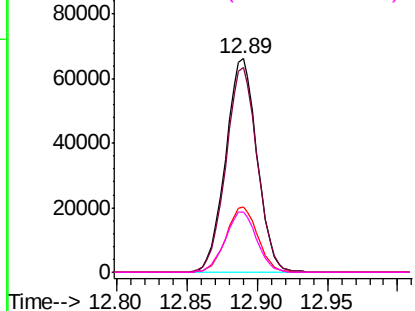
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

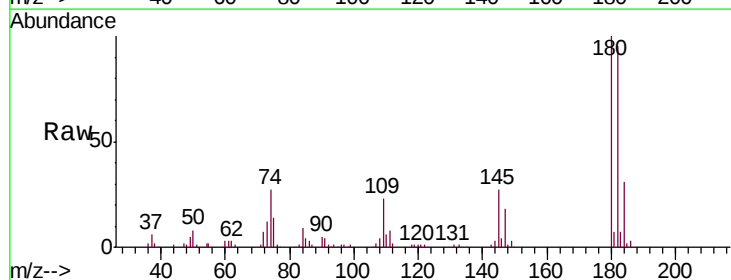
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.323 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

Tgt Ion:	180	Resp:	88851
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	27.9	23.4	35.0

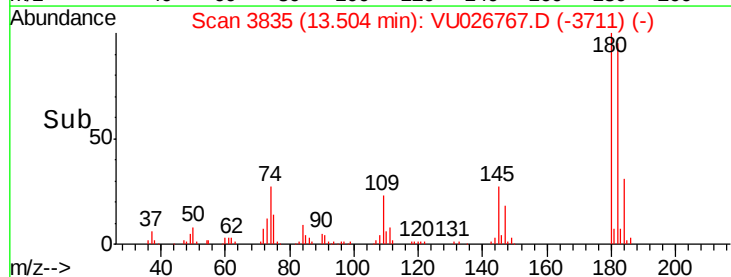
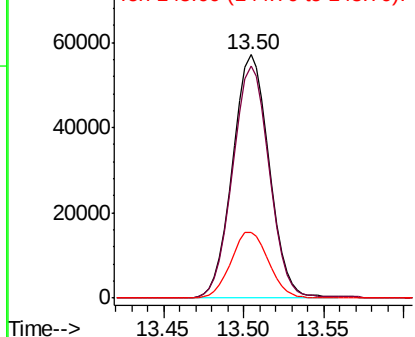


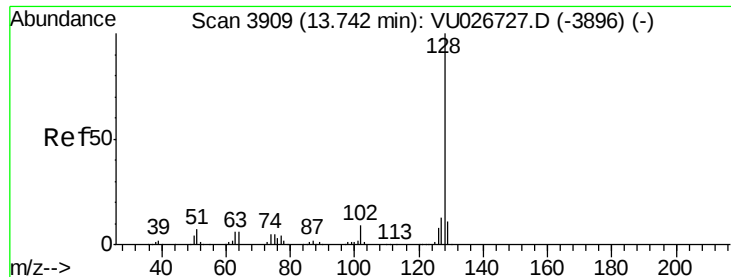
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

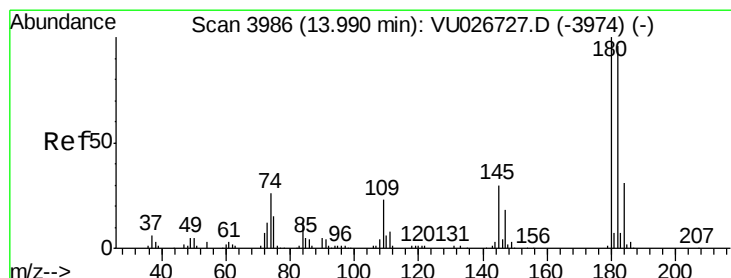
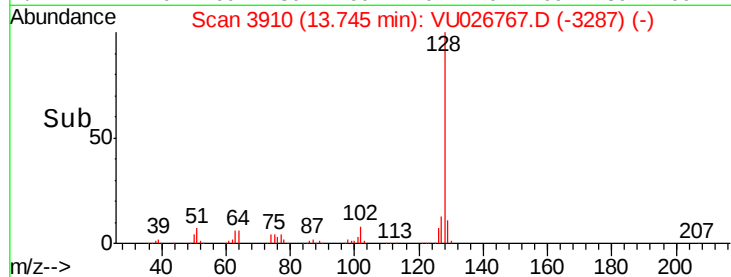
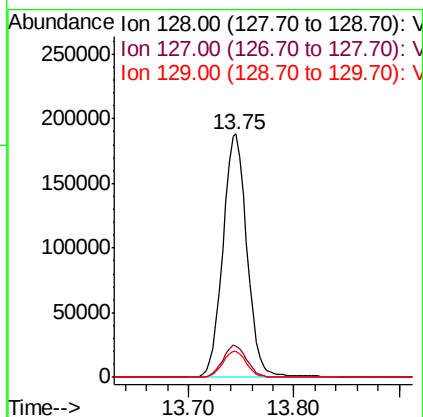
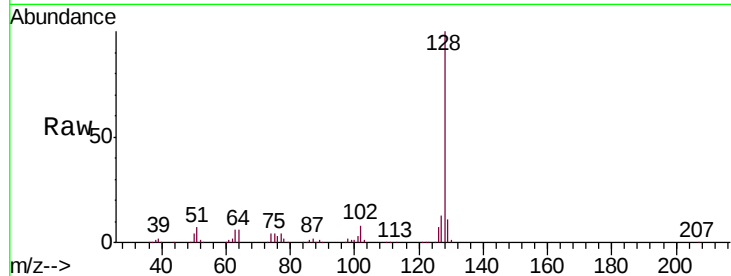
Ion 145.00 (144.70 to 145.70): V





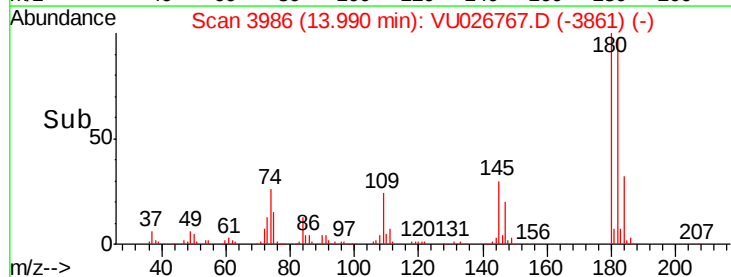
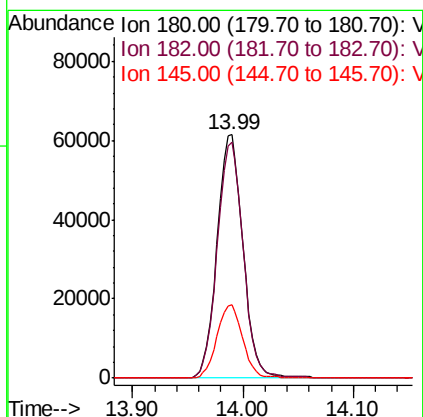
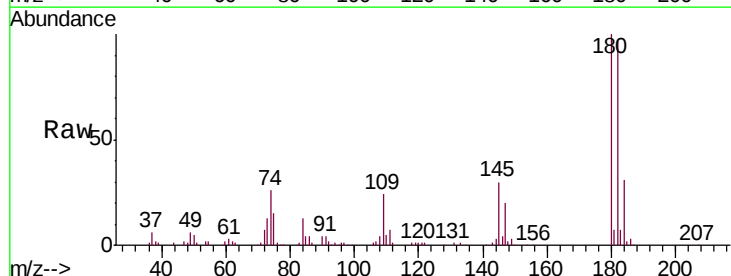
#69
Naphthalene
Concen: 59.452 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.6	8.6	13.0



#70
1,2,3-Trichlorobenzene
Concen: 56.433 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.7	115.1
145	29.9	23.0	34.6



Data File : VU026753.D
Acq On : 14 Sep 2018 10:02
Operator : MD/SY
Sample : VU0915WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 15 00:18:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	160920	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	154312	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	66382	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51983	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.70%
7) Chloroethane-d5	1.68	69	44448	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.27	63	74125	34.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.08%
21) 2-Butanone-d5	4.18	46	77803	104.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.26%
24) Chloroform-d	4.65	84	93593	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
26) 1,2-Dichloroethane-d4	5.31	65	63818	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
32) Benzene-d6	5.34	84	187109	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
36) 1,2-Dichloropropane-d6	6.33	67	64839	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.76%
41) Toluene-d8	7.57	98	163878	43.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.46%
43) trans-1,3-Dichloropropene-	7.85	79	27799	44.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.22%
47) 2-Hexanone-d5	8.31	63	52563	96.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85344	46.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	64519	48.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.52%

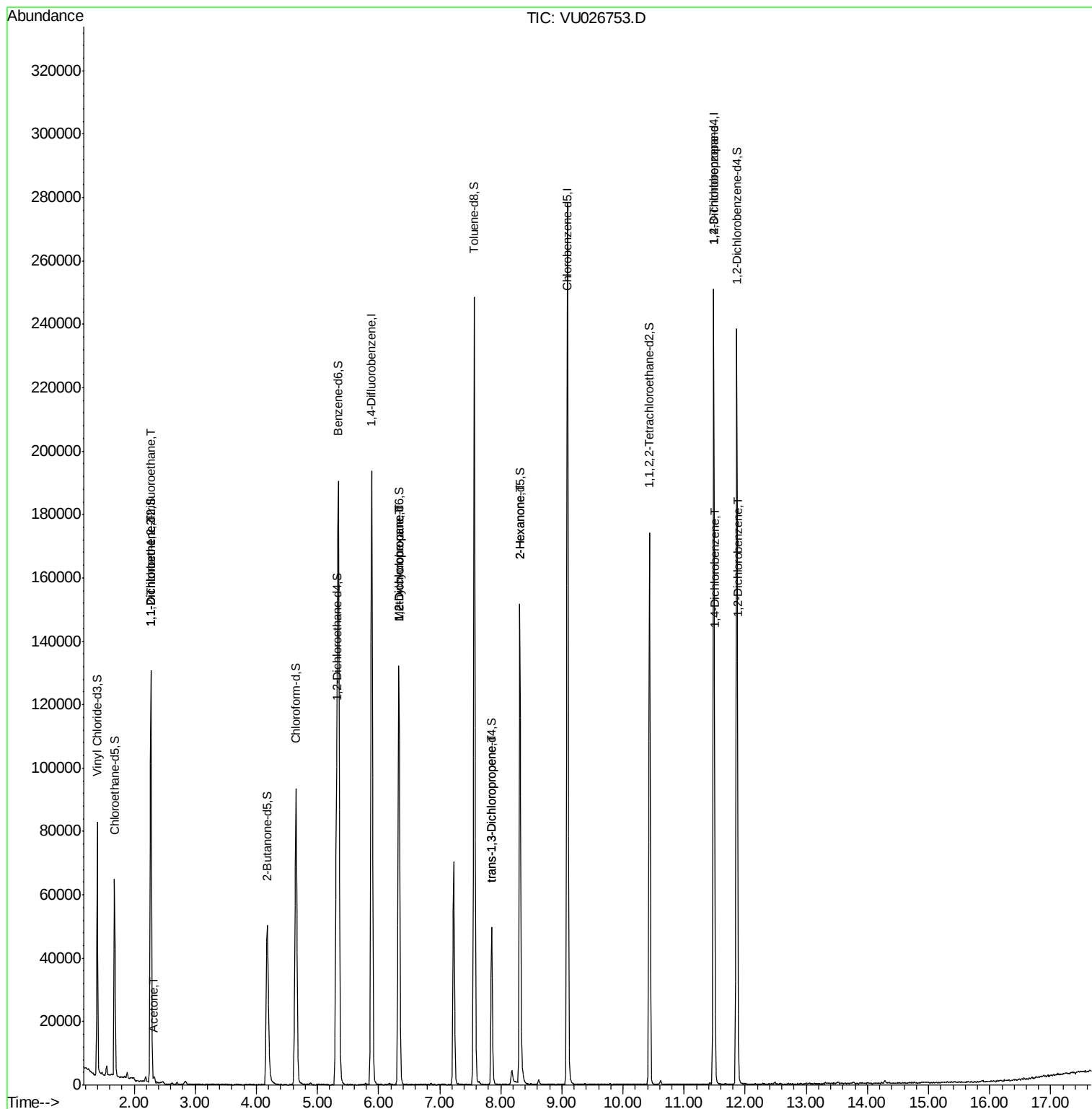
Target Compounds

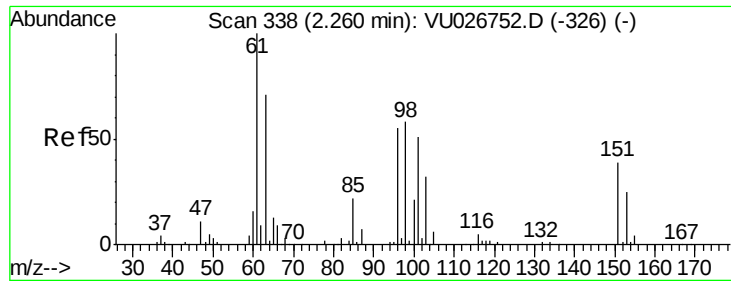
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	700	0.708 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	598	0.630 ug/L #	1
13) Acetone	2.32	43	825	0.971 ug/L	69
35) Methylcyclohexane	6.33	83	14329	8.334 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6951	5.758 ug/L #	89
44) trans-1,3-Dichloropropene	7.85	75	1206	0.726 ug/L	93
48) 2-Hexanone	8.31	43	6183	4.756 ug/L #	69
59) 1,2,3-Trichloropropane	11.49	75	7723	5.407 ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	1817	0.900 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	1673	0.830 ug/L #	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026753.D
Acq On : 14 Sep 2018 10:02
Operator : MD/SY
Sample : VU0915WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 15 00:18:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.708 ug/L

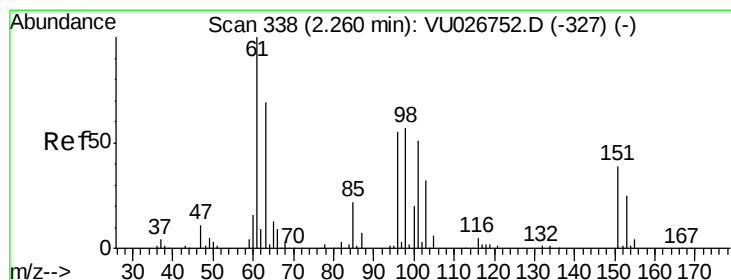
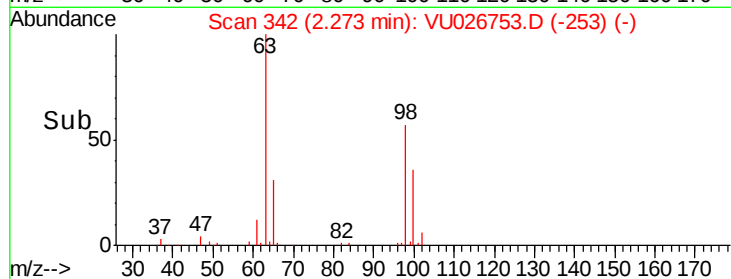
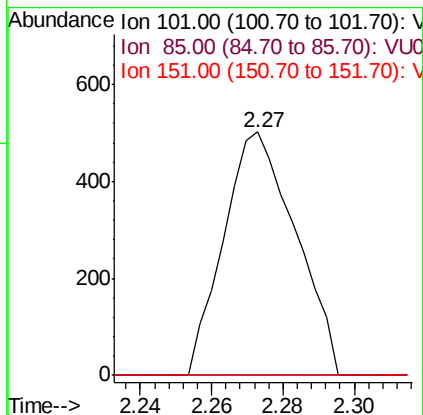
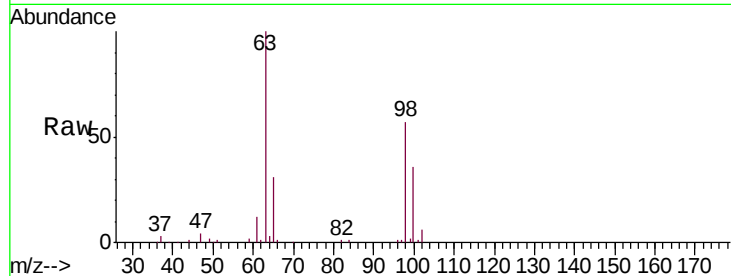
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026753.D

Acq: 14 Sep 2018 10:02

Tgt Ion:	101	Resp:	700
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



#12

1,1-Dichloroethene

Concen: 0.630 ug/L

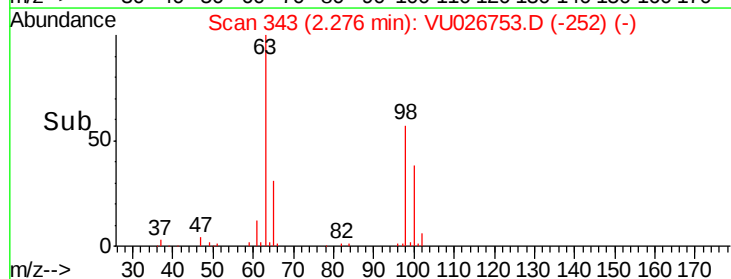
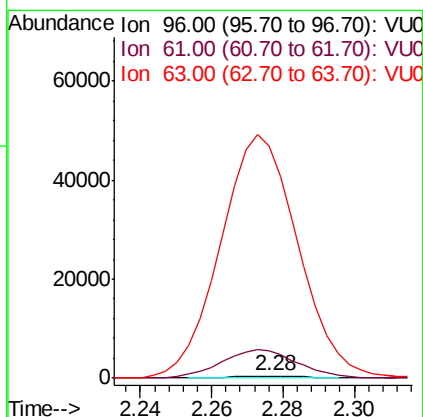
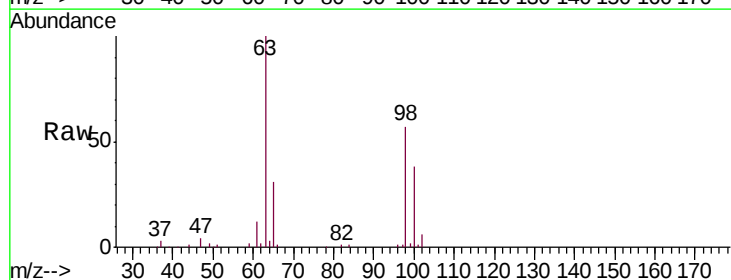
RT: 2.28 min Scan# 343

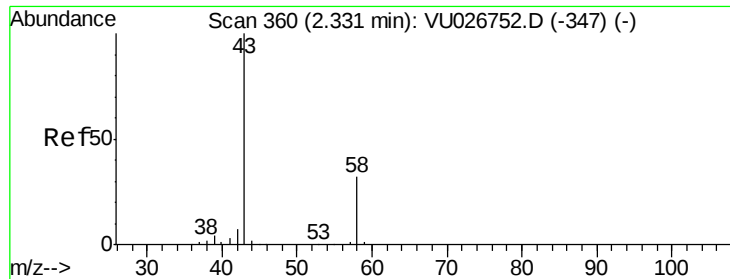
Delta R.T. -0.01 min

Lab File: VU026753.D

Acq: 14 Sep 2018 10:02

Tgt Ion:	96	Resp:	598
Ion	Ratio	Lower	Upper
96	100		
61	1407.6	121.0	224.8#
63	11928.9	89.9	166.9#





#13

Acetone

Concen: 0.971 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026753.D

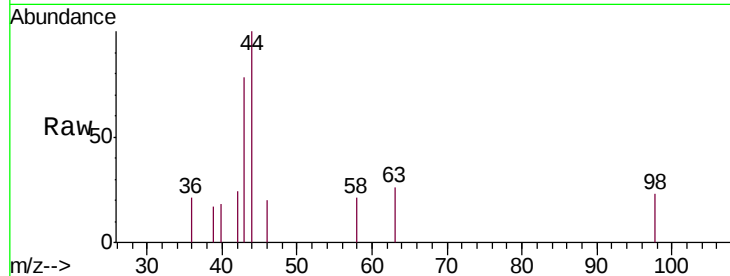
Acq: 14 Sep 2018 10:02

Tgt Ion: 43 Resp: 825

Ion Ratio Lower Upper

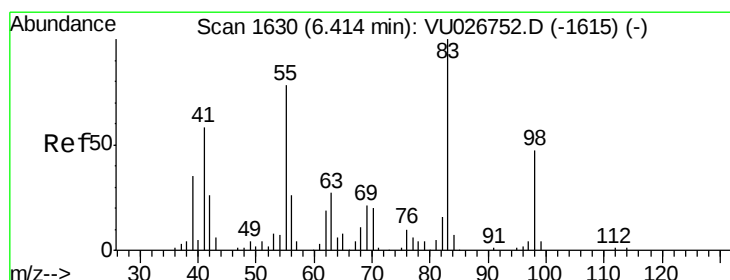
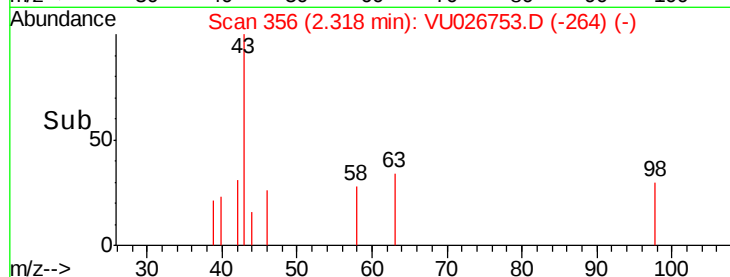
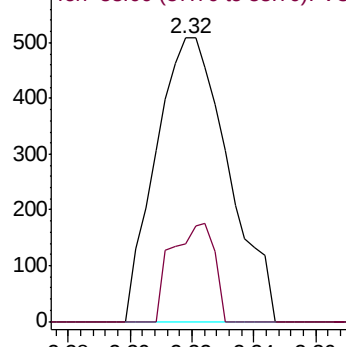
43 100

58 14.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#35

Methylcyclohexane

Concen: 8.334 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026753.D

Acq: 14 Sep 2018 10:02

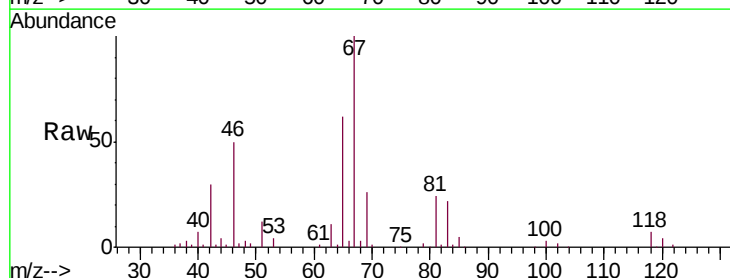
Tgt Ion: 83 Resp: 14329

Ion Ratio Lower Upper

83 100

55 0.0 62.9 94.3#

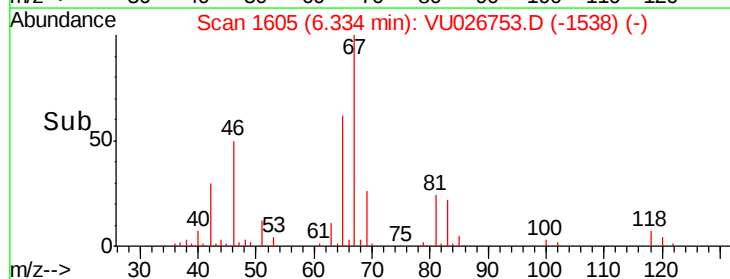
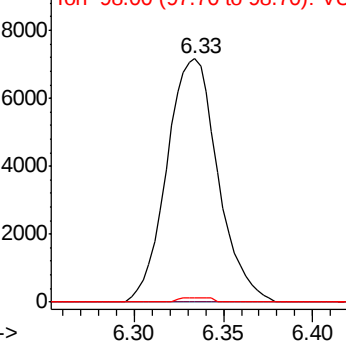
98 0.6 37.0 55.4#

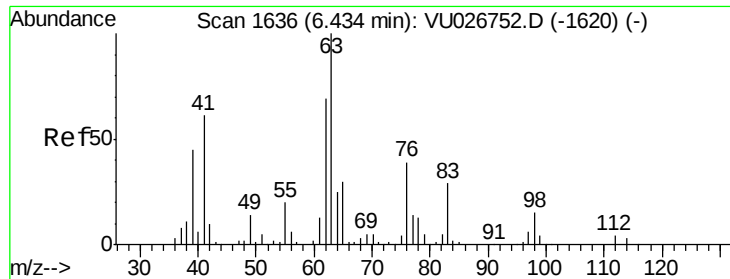


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

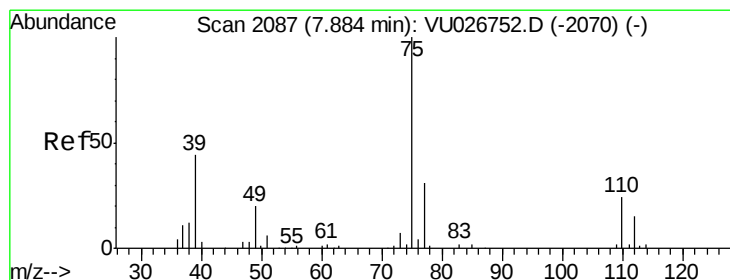
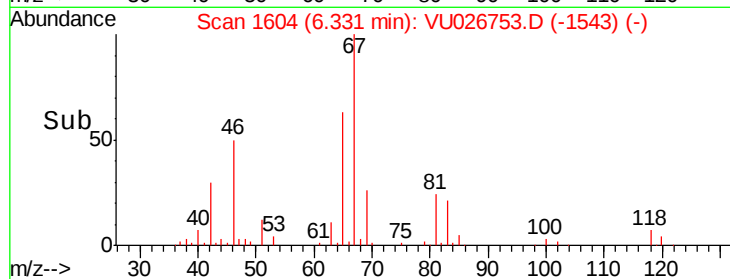
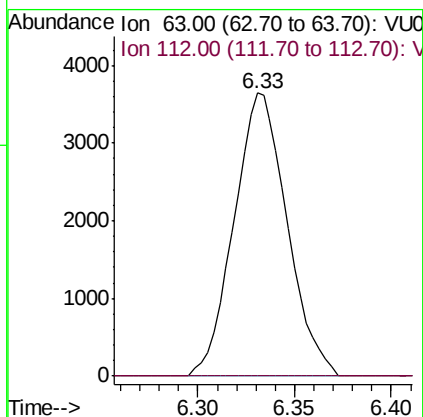
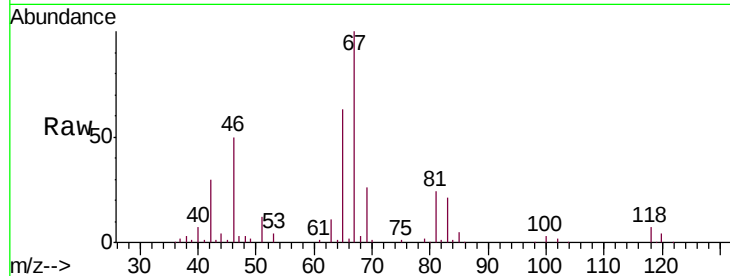
Ion 98.00 (97.70 to 98.70): VU0





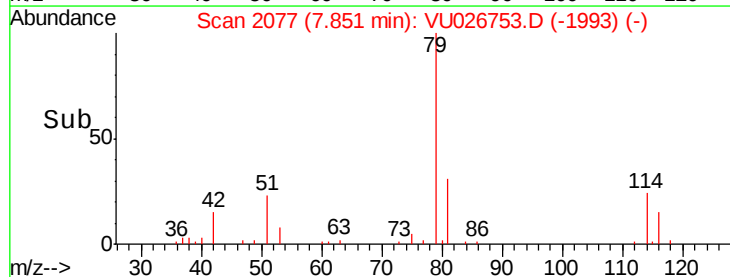
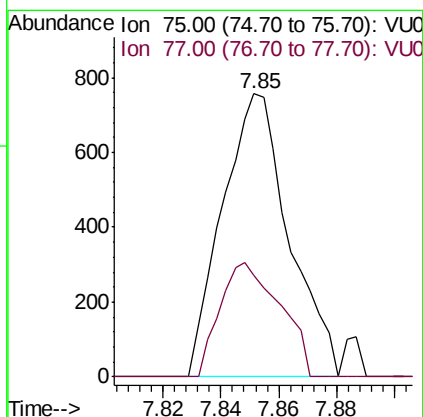
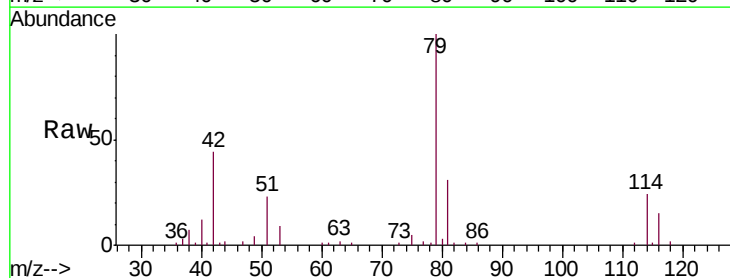
#37
 1,2-Dichloropropane
 Concen: 5.758 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026753.D
 Acq: 14 Sep 2018 10:02

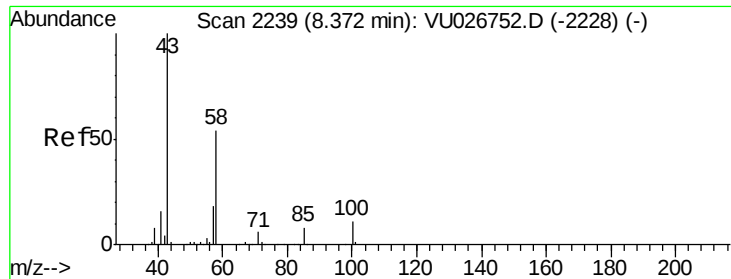
Tgt Ion: 63 Resp: 6951
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.726 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026753.D
 Acq: 14 Sep 2018 10:02

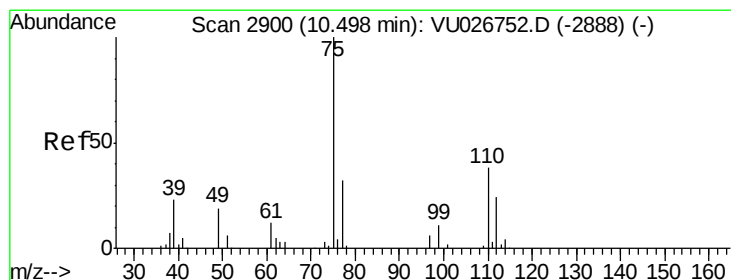
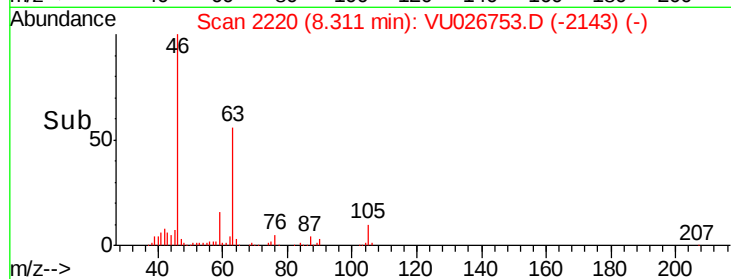
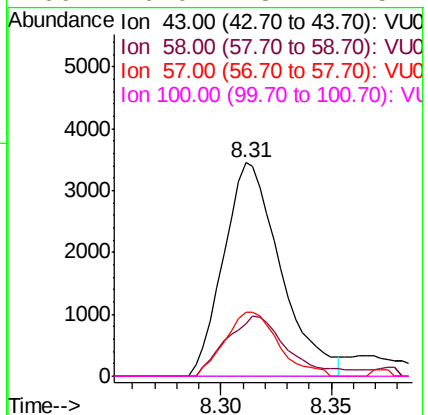
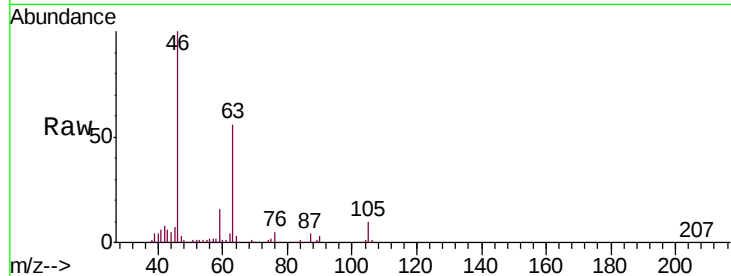
Tgt Ion: 75 Resp: 1206
 Ion Ratio Lower Upper
 75 100
 77 36.1 22.4 41.6





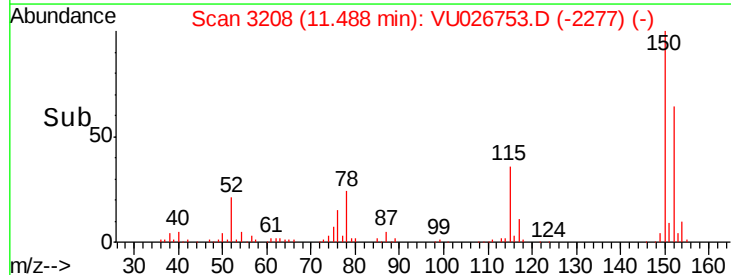
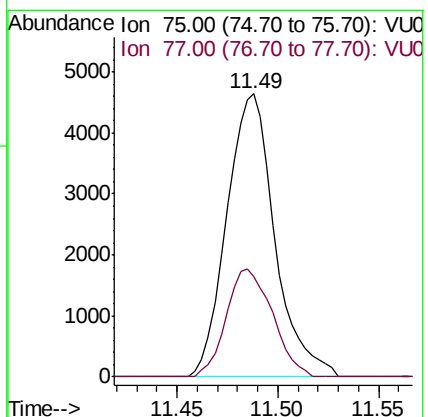
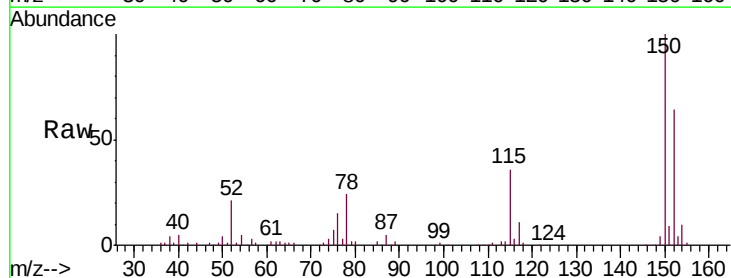
#48
 2-Hexanone
 Concen: 4.756 ug/L
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU026753.D
 Acq: 14 Sep 2018 10:02

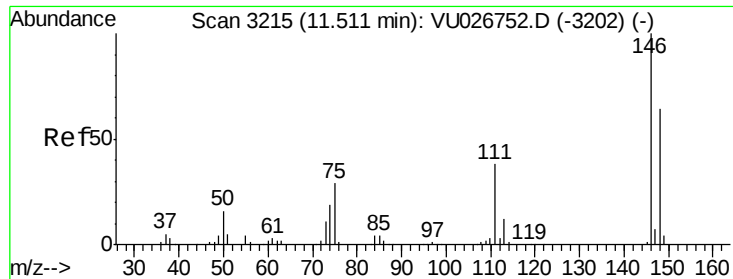
Tgt Ion: 43 Resp: 6183
 Ion Ratio Lower Upper
 43 100
 58 28.9 42.2 63.4#
 57 28.3 14.4 21.6#
 100 0.0 8.7 13.1#



#59
 1,2,3-Trichloropropane
 Concen: 5.407 ug/L
 RT: 11.49 min Scan# 3208
 Delta R.T. 0.99 min
 Lab File: VU026753.D
 Acq: 14 Sep 2018 10:02

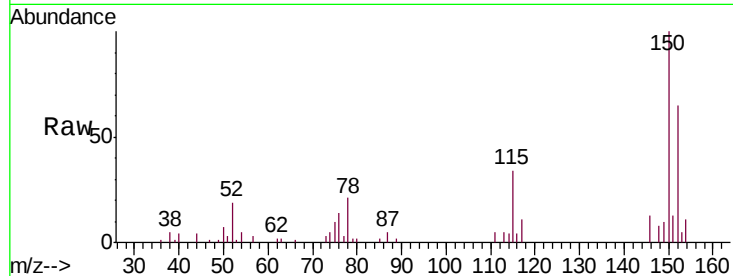
Tgt Ion: 75 Resp: 7723
 Ion Ratio Lower Upper
 75 100
 77 36.7 25.8 38.6



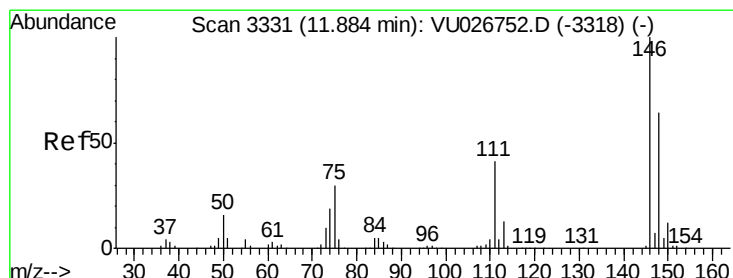
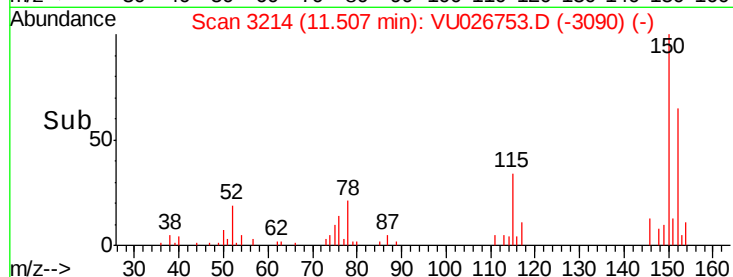
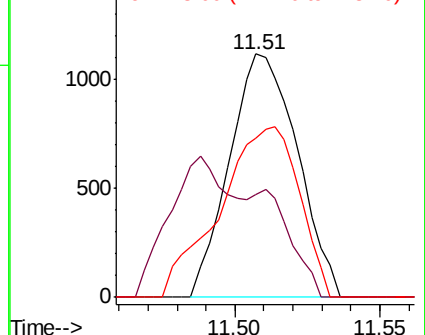


#63
 1,4-Dichlorobenzene
 Concen: 0.900 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026753.D
 Acq: 14 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	26.5	49.3
148	65.3	45.2	84.0

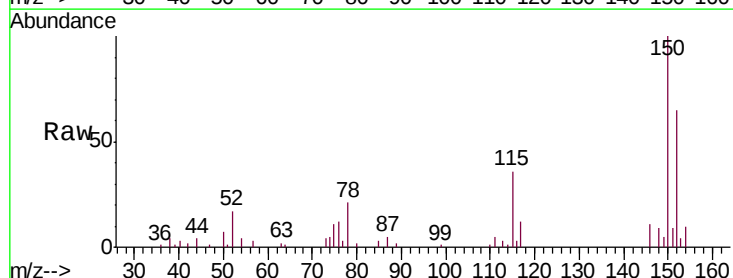


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

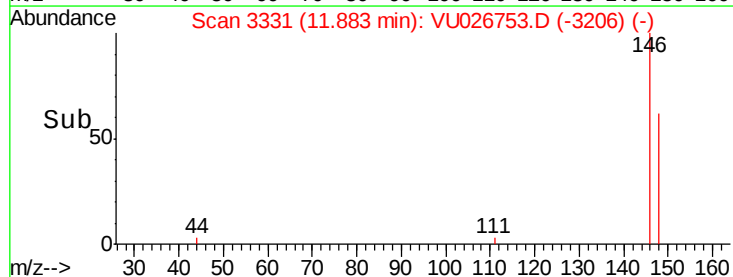
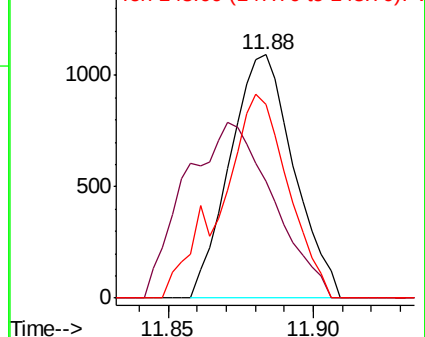


#65
 1,2-Dichlorobenzene
 Concen: 0.830 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026753.D
 Acq: 14 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	32.8	49.2
148	79.6	52.2	78.4



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



Data File : VU026754.D
Acq On : 14 Sep 2018 10:32
Operator : MD/SY
Sample : J4893-02DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 15 00:18:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	192170	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	179848	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	79900	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58126	40.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.18%
7) Chloroethane-d5	1.68	69	47466	41.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.26%
11) 1,1-Dichloroethene-d2	2.27	63	83173	32.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.90%
21) 2-Butanone-d5	4.18	46	81919	91.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.92%
24) Chloroform-d	4.65	84	99623	41.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.68%
26) 1,2-Dichloroethane-d4	5.31	65	67608	43.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.76%
32) Benzene-d6	5.34	84	201520	43.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.58%
36) 1,2-Dichloropropane-d6	6.33	67	69693	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.24%
41) Toluene-d8	7.57	98	180789	41.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.78%
43) trans-1,3-Dichloropropene-	7.85	79	29817	41.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.12%
47) 2-Hexanone-d5	8.31	63	56423	88.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.53%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	90535	42.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	70653	44.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.72%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	734	0.622 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	666	0.588 ug/L #	1
13) Acetone	2.32	43	918	0.904 ug/L	80
35) Methylcyclohexane	6.33	83	15564	7.767 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7205	5.121 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1725	0.829 ug/L #	60
44) trans-1,3-Dichloropropene	7.85	75	1262	0.652 ug/L #	70
51) Chlorobenzene	9.12	112	121346	35.403 ug/L	99
59) 1,2,3-Trichloropropane	11.49	75	11100	6.668 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	9440	4.115 ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	25565	10.519 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	154757	63.826 ug/L	98
67) 1,3,5-Trichlorobenzene	13.50	180	38986	21.423 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	38986	24.648 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	11900	6.946 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026754.D
Acq On : 14 Sep 2018 10:32
Operator : MD/SY
Sample : J4893-02DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

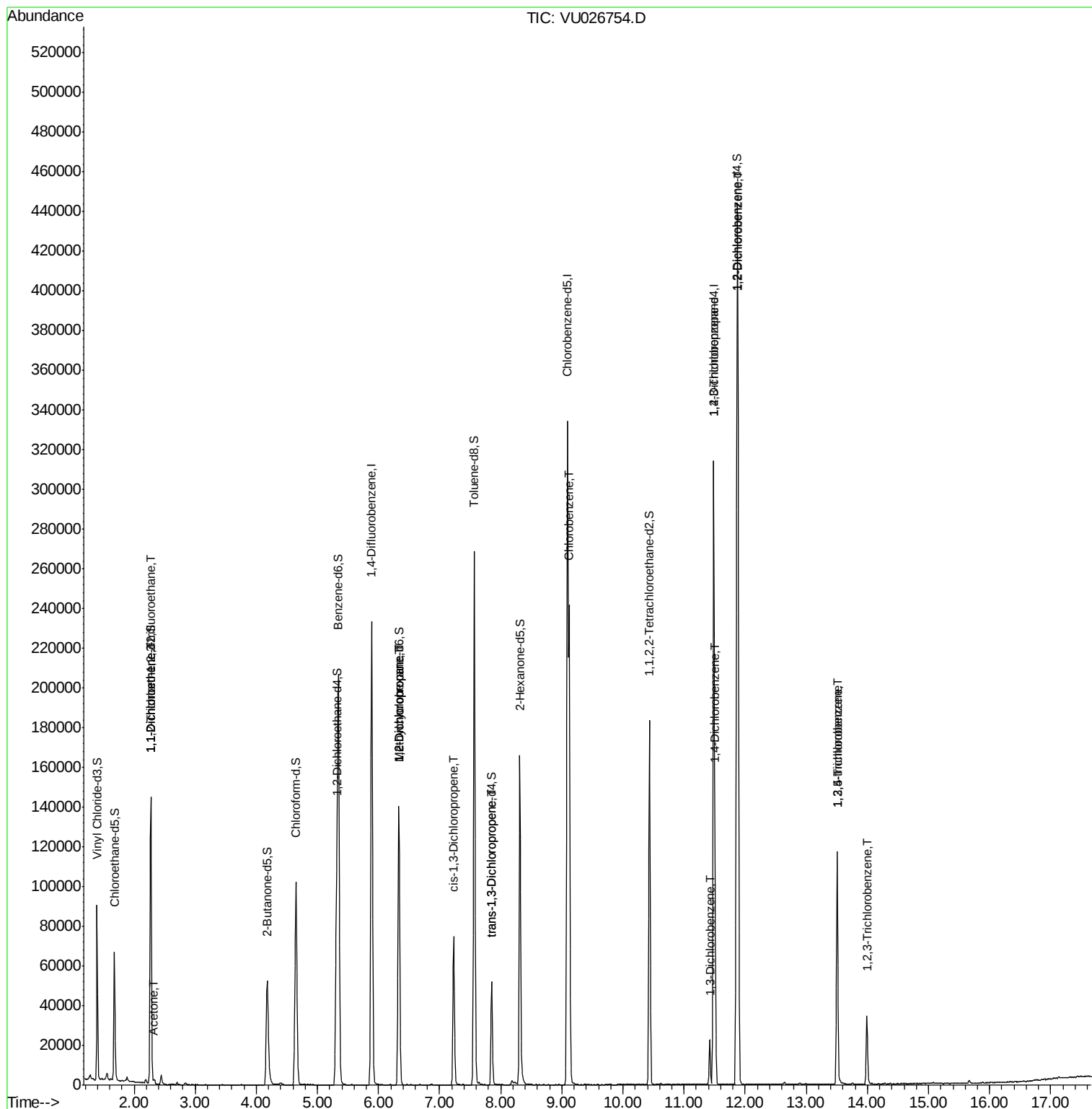
Quant Time: Sep 15 00:18:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

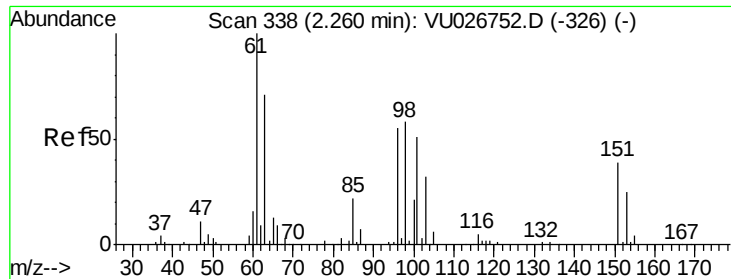
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data File : VU026754.D
Acq On : 14 Sep 2018 10:32
Operator : MD/SY
Sample : J4893-02DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 15 00:18:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.622 ug/L

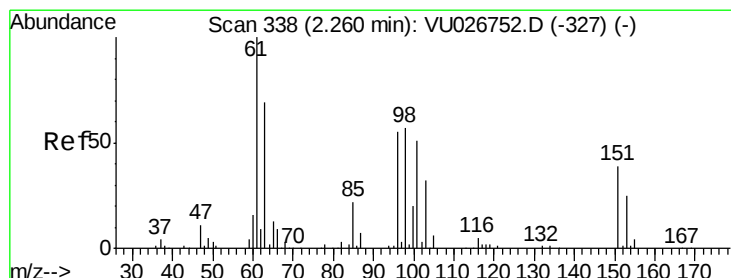
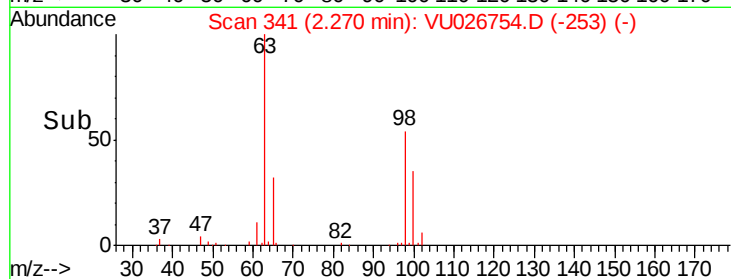
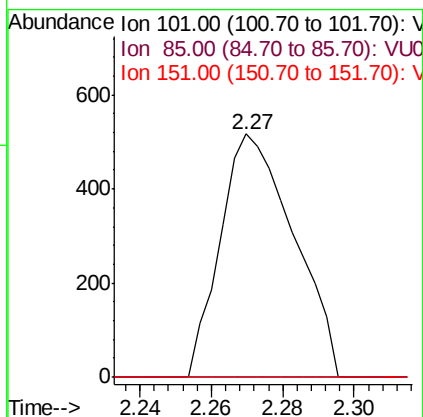
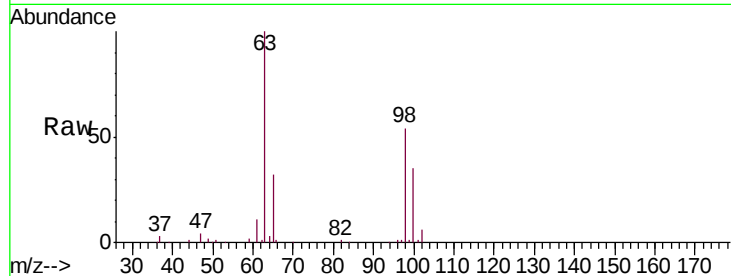
RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026754.D

Acq: 14 Sep 2018 10:32

Tgt Ion:	101	Resp:	734
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



#12

1,1-Dichloroethene

Concen: 0.588 ug/L

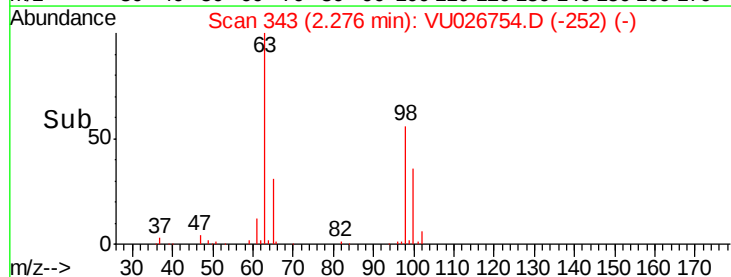
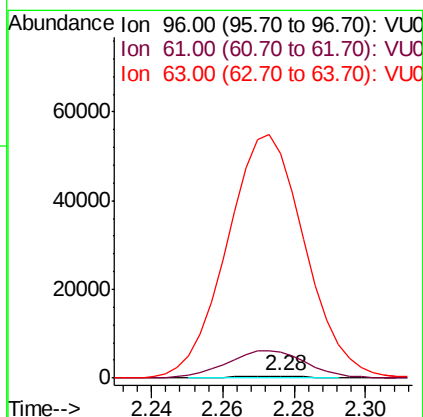
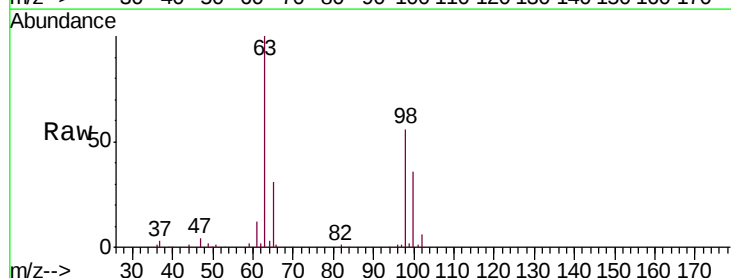
RT: 2.28 min Scan# 343

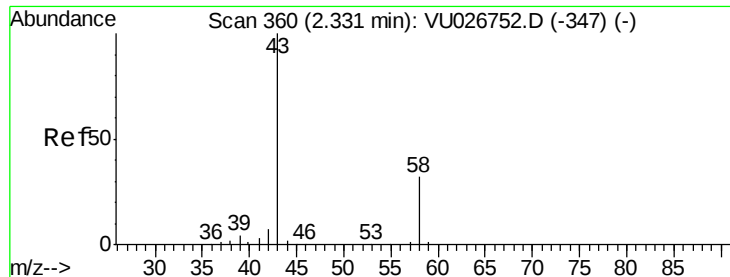
Delta R.T. -0.01 min

Lab File: VU026754.D

Acq: 14 Sep 2018 10:32

Tgt Ion:	96	Resp:	666
Ion	Ratio	Lower	Upper
96	100		
61	1278.2	121.0	224.8#
63	11011.8	89.9	166.9#





#13

Acetone

Concen: 0.904 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026754.D

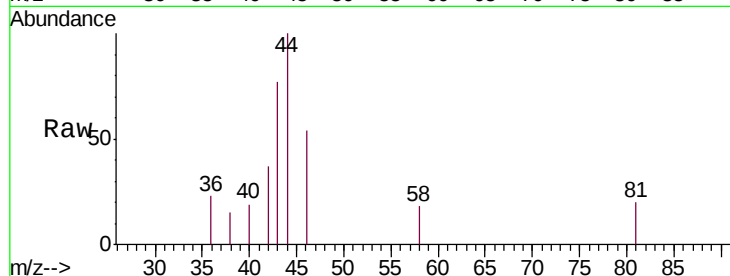
Acq: 14 Sep 2018 10:32

Tgt Ion: 43 Resp: 918

Ion Ratio Lower Upper

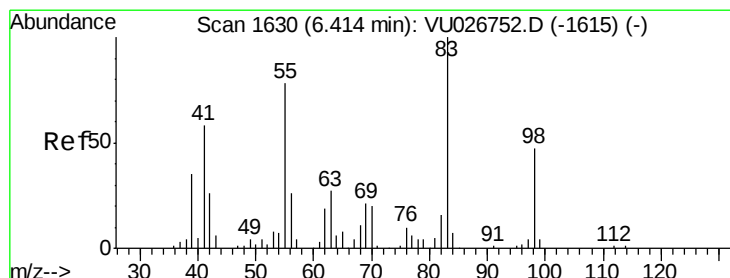
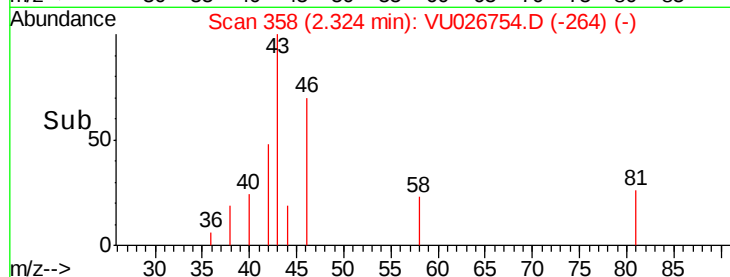
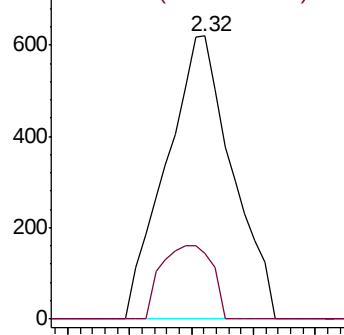
43 100

58 20.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#35

Methylcyclohexane

Concen: 7.767 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU026754.D

Acq: 14 Sep 2018 10:32

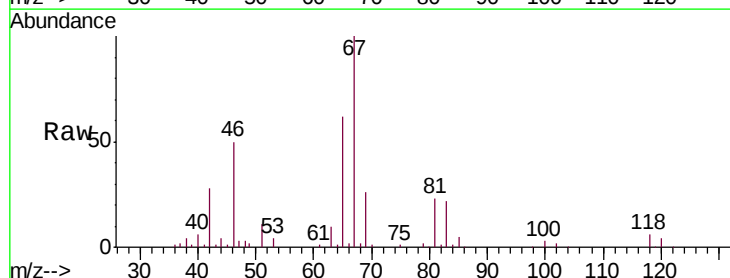
Tgt Ion: 83 Resp: 15564

Ion Ratio Lower Upper

83 100

55 0.0 62.9 94.3#

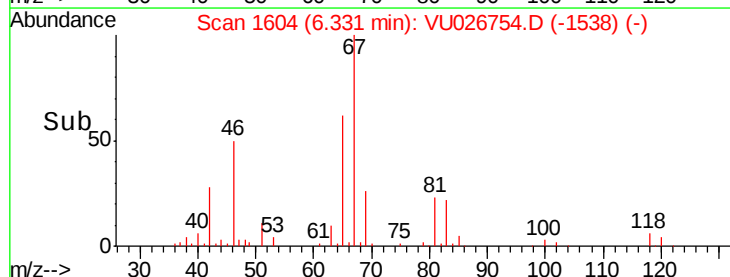
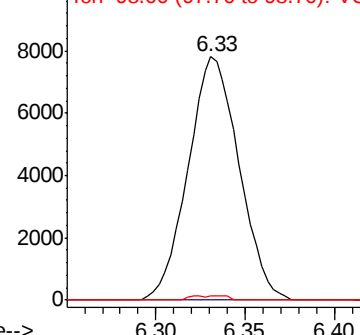
98 0.6 37.0 55.4#

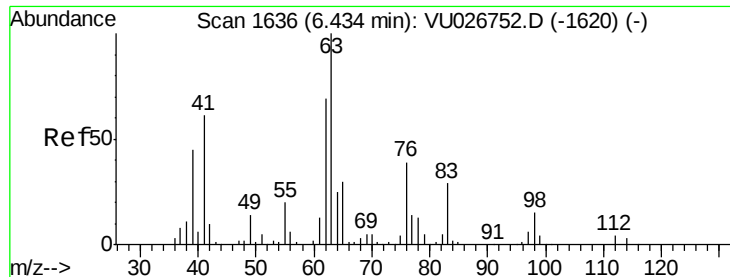


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

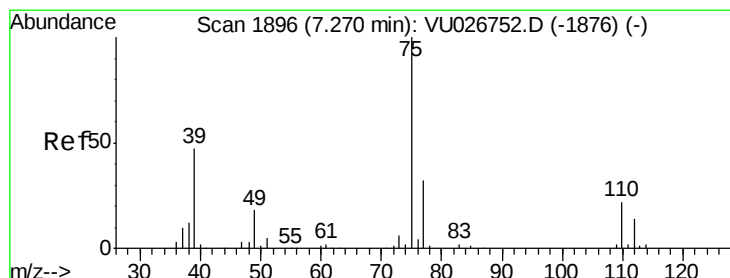
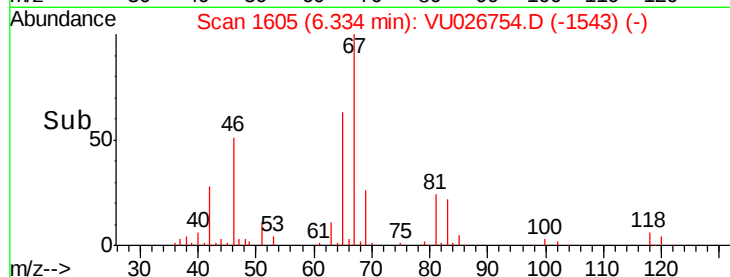
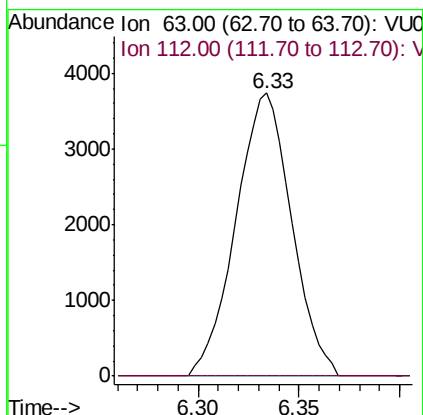
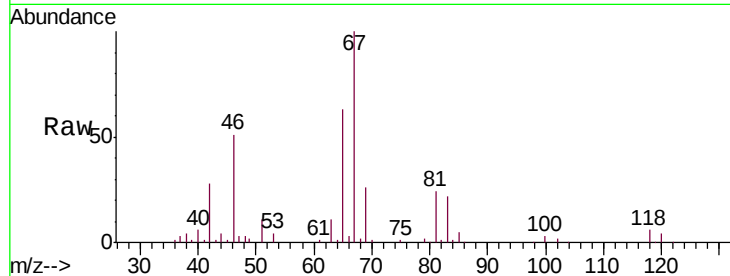
Ion 98.00 (97.70 to 98.70): VU0





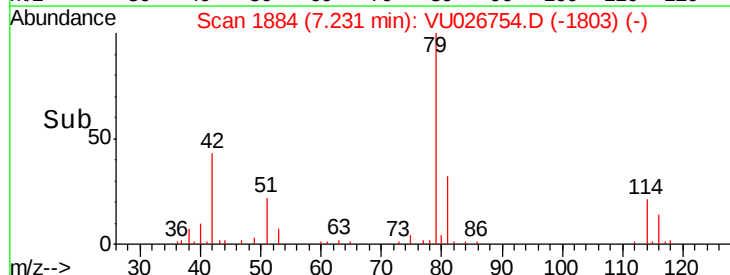
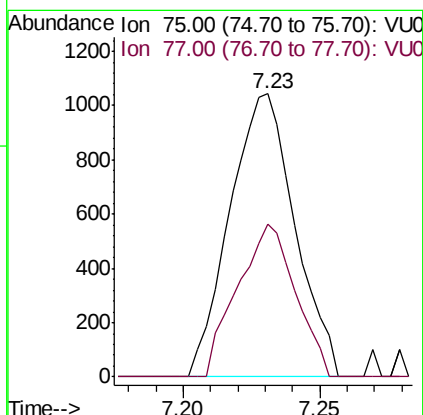
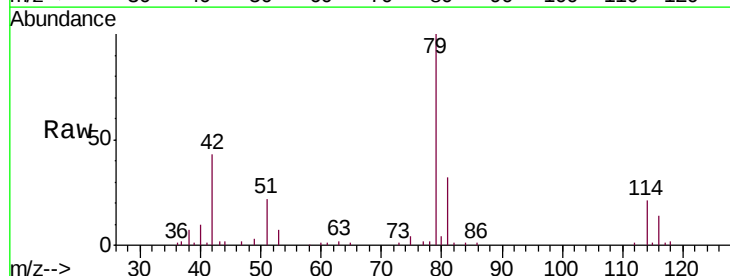
#37
 1,2-Dichloropropane
 Concen: 5.121 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026754.D
 Acq: 14 Sep 2018 10:32

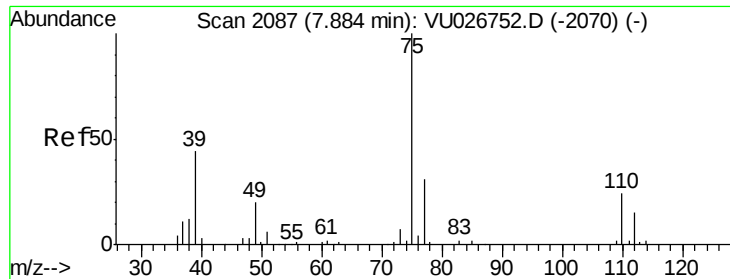
Tgt Ion: 63 Resp: 7205
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.829 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026754.D
 Acq: 14 Sep 2018 10:32

Tgt Ion: 75 Resp: 1725
 Ion Ratio Lower Upper
 75 100
 77 54.2 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.652 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU026754.D

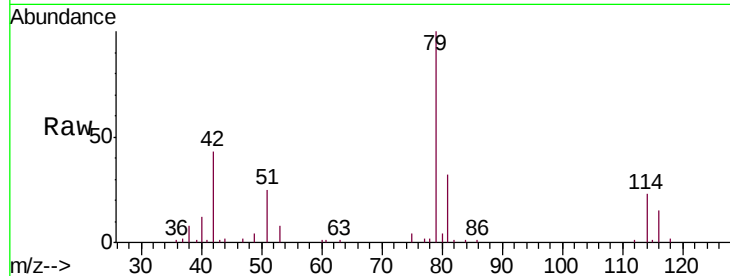
Acq: 14 Sep 2018 10:32

Tgt Ion: 75 Resp: 1262

Ion Ratio Lower Upper

75 100

77 48.7 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU026752.D (-2070) (-)

Ion 77.00 (76.70 to 77.70): VU026752.D (-2070) (-)

7.85

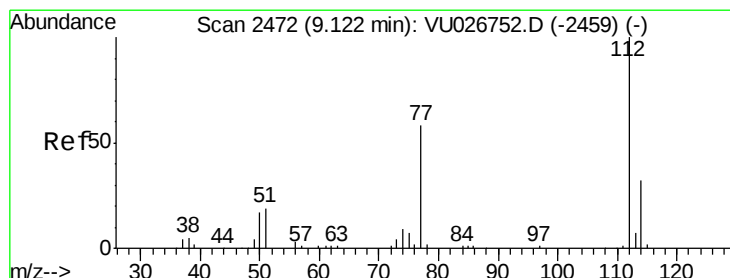
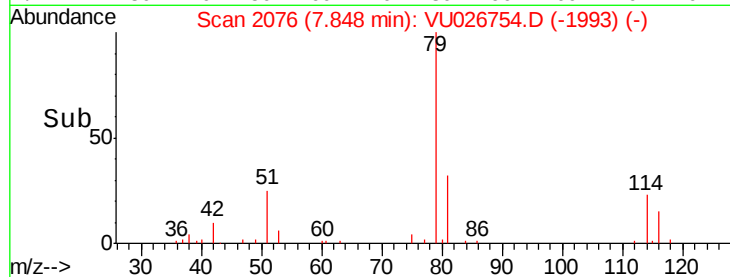
600

400

200

0

Time--> 7.80 7.85 7.90



#51

Chlorobenzene

Concen: 35.403 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026754.D

Acq: 14 Sep 2018 10:32

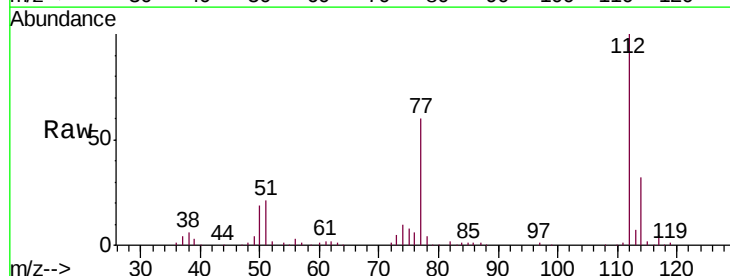
Tgt Ion: 112 Resp: 121346

Ion Ratio Lower Upper

112 100

114 32.1 22.9 42.5

77 59.6 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): VU026752.D (-2459) (-)

Ion 114.00 (113.70 to 114.70): VU026752.D (-2459) (-)

Ion 77.00 (76.70 to 77.70): VU026752.D (-2459) (-)

9.12

100000

80000

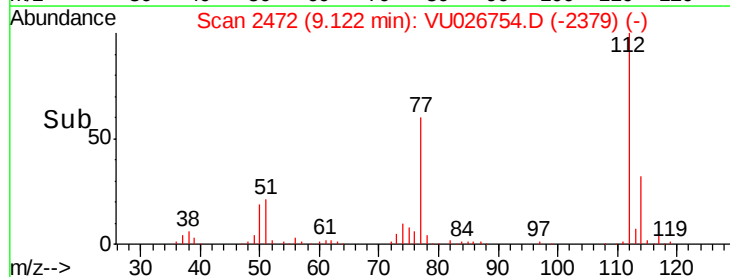
60000

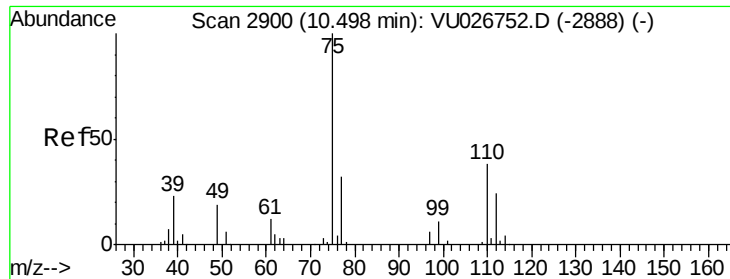
40000

20000

0

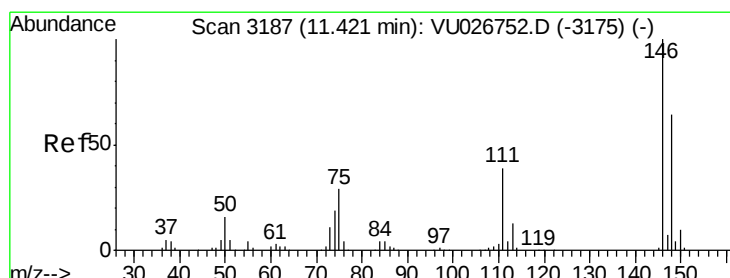
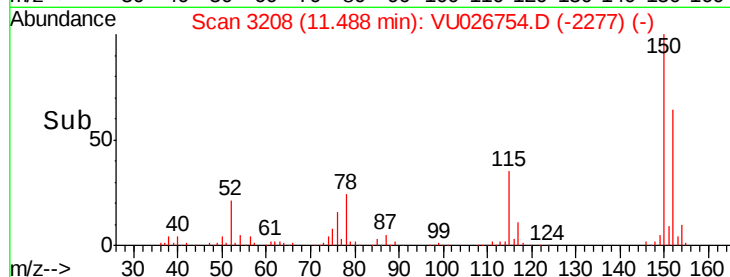
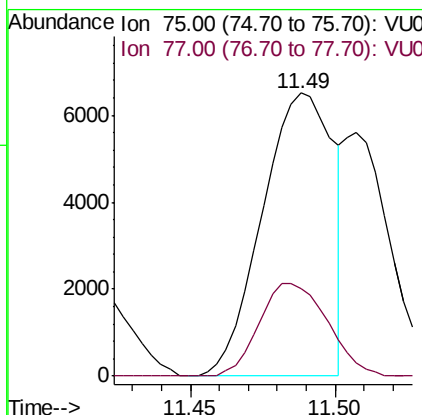
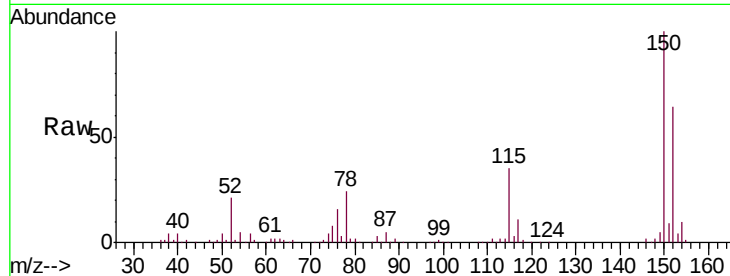
Time--> 9.05 9.10 9.15 9.20





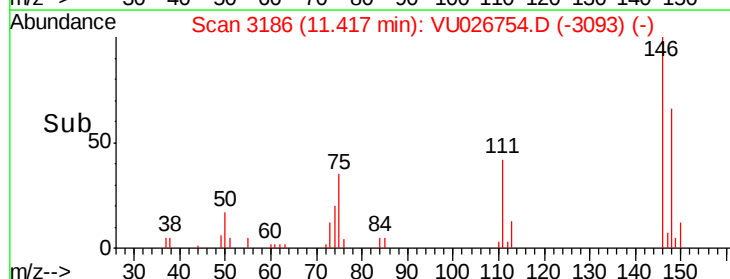
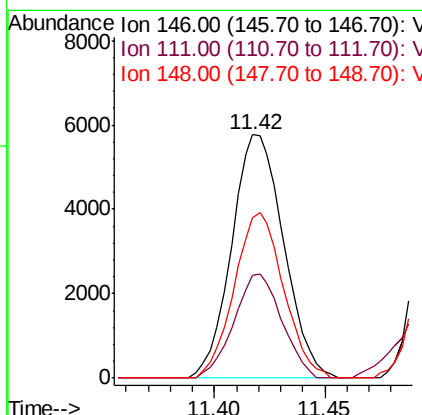
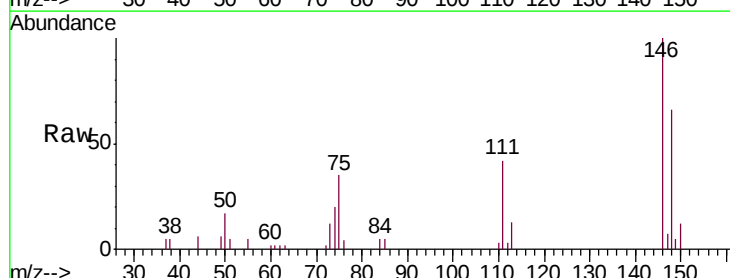
#59
 1,2,3-Trichloropropane
 Concen: 6.668 ug/L
 RT: 11.49 min Scan# 3208
 Delta R.T. 0.99 min
 Lab File: VU026754.D
 Acq: 14 Sep 2018 10:32

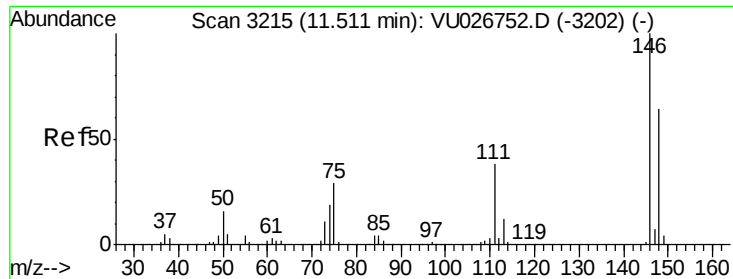
Tgt Ion: 75 Resp: 11100
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6



#62
 1,3-Dichlorobenzene
 Concen: 4.115 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026754.D
 Acq: 14 Sep 2018 10:32

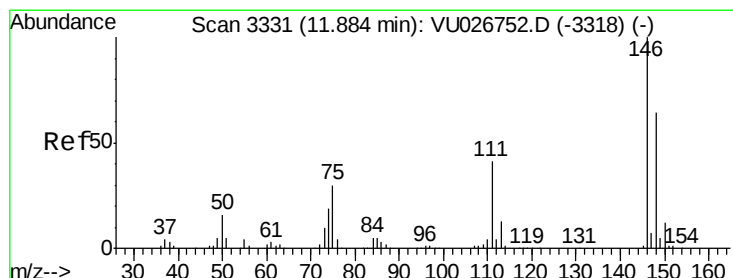
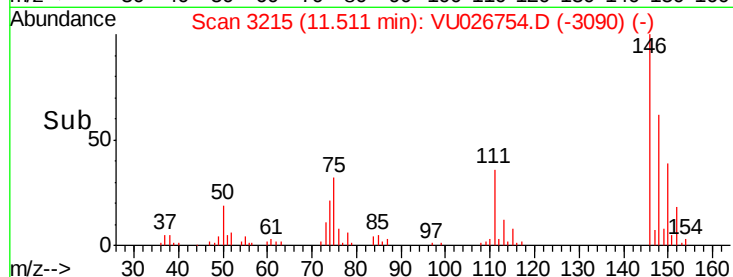
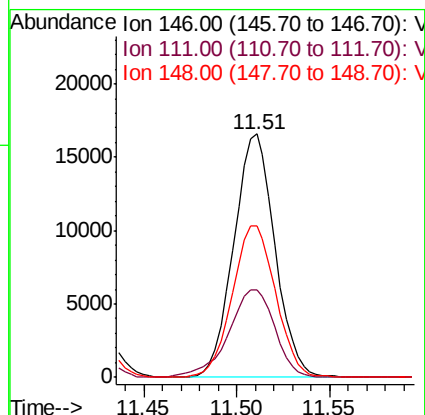
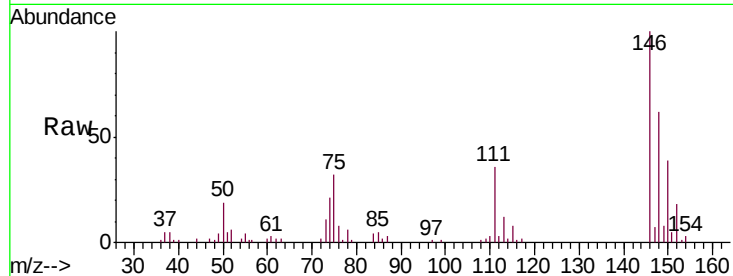
Tgt Ion: 146 Resp: 9440
 Ion Ratio Lower Upper
 146 100
 111 42.4 26.7 49.5
 148 65.8 44.2 82.2





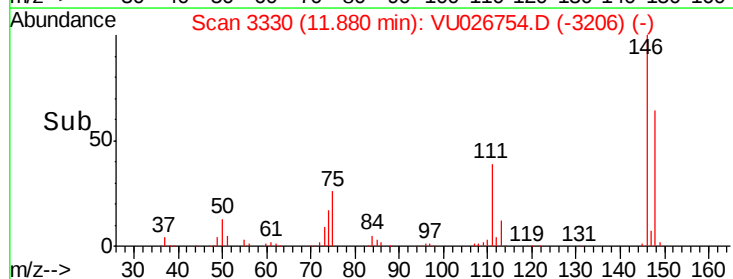
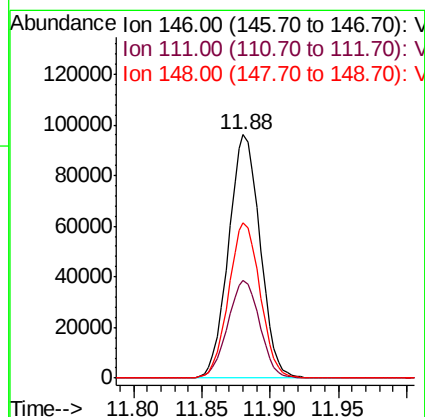
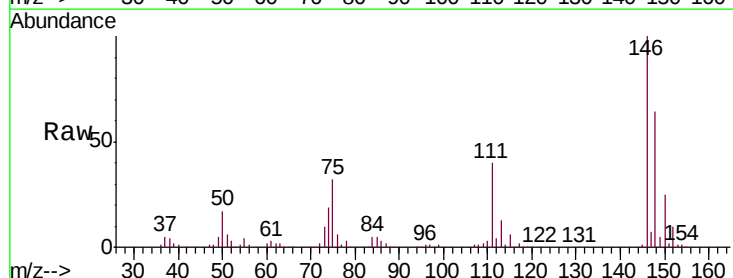
#63
1,4-Dichlorobenzene
Concen: 10.519 ug/L
RT: 11.51 min Scan# 3215
Delta R.T. 0.00 min
Lab File: VU026754.D
Acq: 14 Sep 2018 10:32

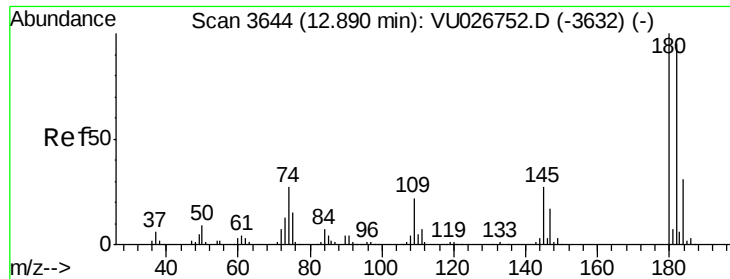
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	26.5	49.3
148	62.3	45.2	84.0



#65
1,2-Dichlorobenzene
Concen: 63.826 ug/L
RT: 11.88 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VU026754.D
Acq: 14 Sep 2018 10:32

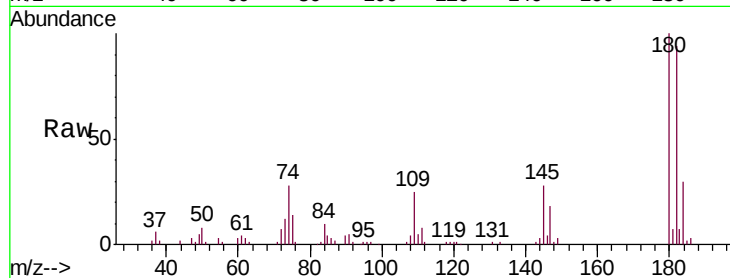
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	32.8	49.2
148	63.9	52.2	78.4



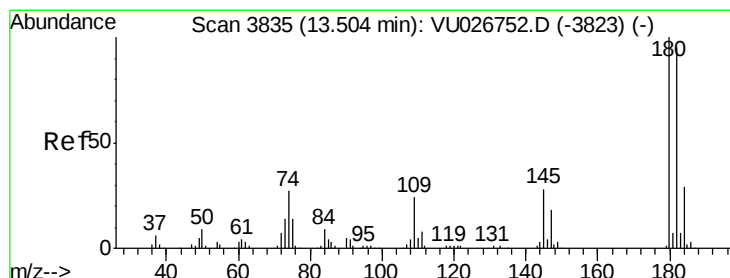
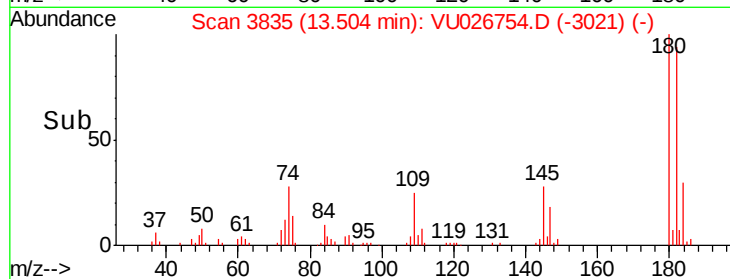
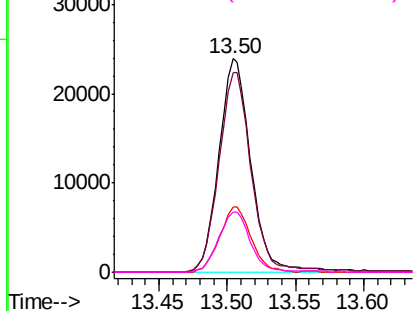


#67
 1,3,5-Trichlorobenzene
 Concen: 21.423 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026754.D
 Acq: 14 Sep 2018 10:32

Tgt Ion:	180	Resp:	38986
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.8	115.2
184	30.0	24.2	36.2
145	27.7	21.4	32.2

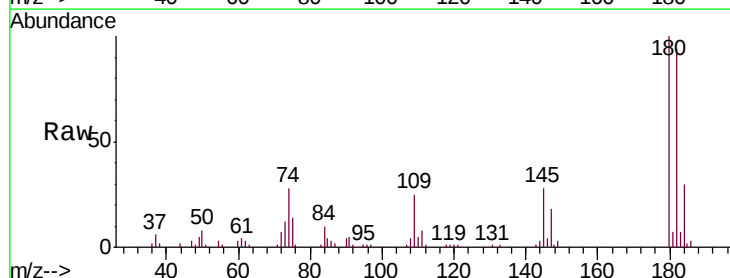


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

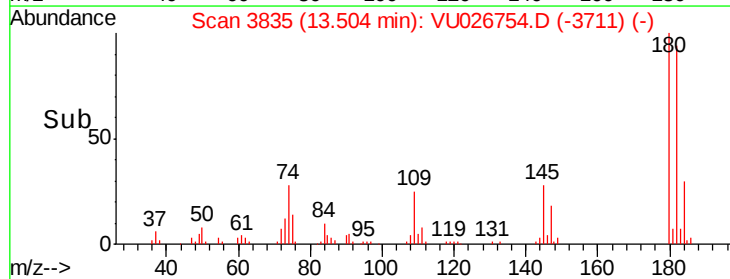
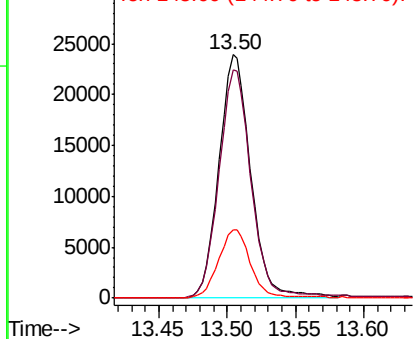


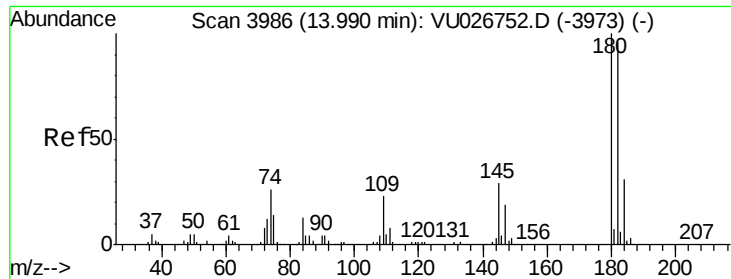
#68
 1,2,4-trichlorobenzene
 Concen: 24.648 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026754.D
 Acq: 14 Sep 2018 10:32

Tgt Ion:	180	Resp:	38986
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.0	114.0
145	27.7	23.4	35.0



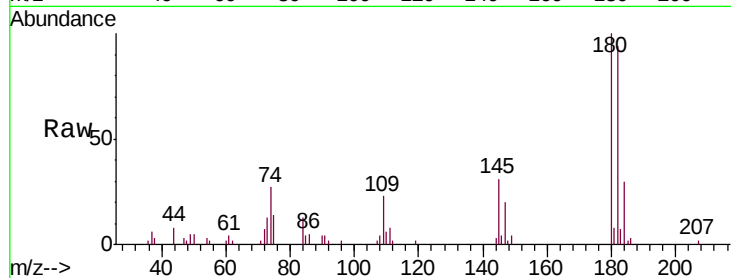
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



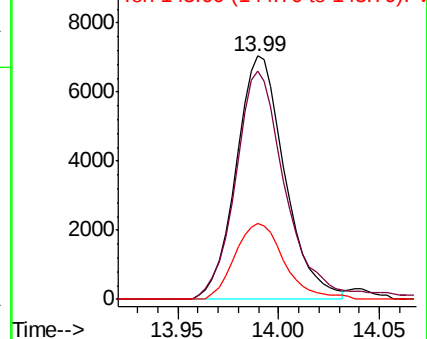
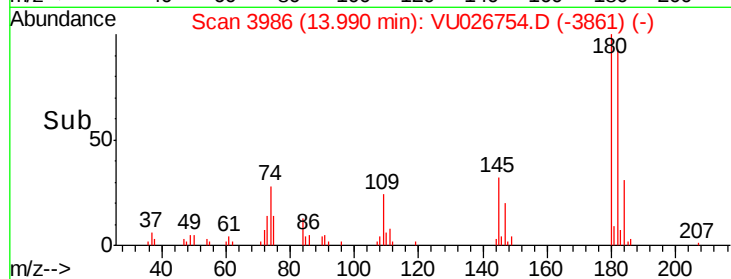


#70
 1,2,3-Trichlorobenzene
 Concen: 6.946 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026754.D
 Acq: 14 Sep 2018 10:32

Tgt Ion:	180	Resp:	11900
Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.7	115.1
145	31.6	23.0	34.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



Data File : VU026755.D
Acq On : 14 Sep 2018 10:58
Operator : MD/SY
Sample : J4893-03DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 15 00:18:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	179451	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74659	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55703	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.30%
7) Chloroethane-d5	1.68	69	46183	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.72%
11) 1,1-Dichloroethene-d2	2.27	63	79616	33.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.54%
21) 2-Butanone-d5	4.18	46	80834	97.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.13%
24) Chloroform-d	4.65	84	96582	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.88%
26) 1,2-Dichloroethane-d4	5.31	65	64915	44.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.22%
32) Benzene-d6	5.34	84	194584	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
36) 1,2-Dichloropropane-d6	6.33	67	66977	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.36%
41) Toluene-d8	7.57	98	173968	42.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.86%
43) trans-1,3-Dichloropropene-	7.85	79	28112	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.48%
47) 2-Hexanone-d5	8.31	63	54881	91.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88013	43.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	67021	45.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.06%

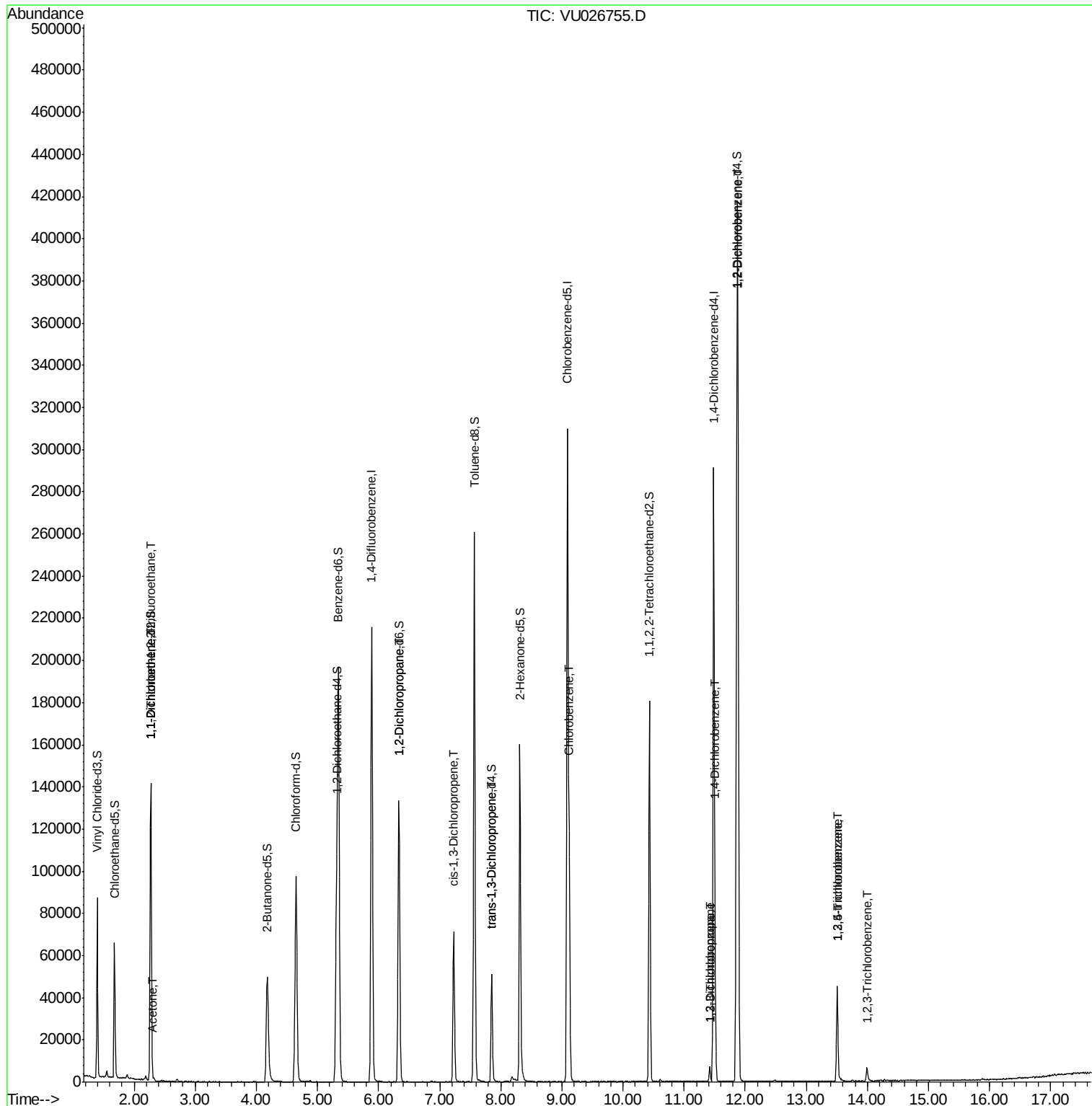
Target Compounds

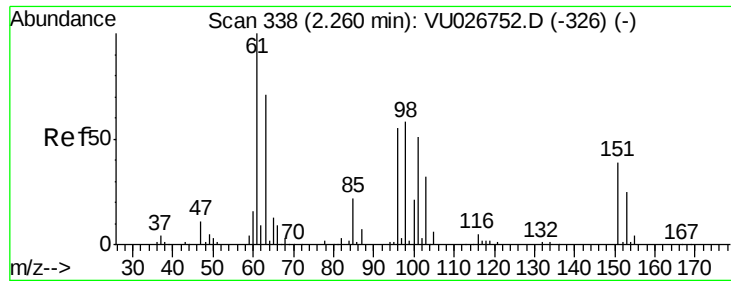
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	768	0.697	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	590	0.558	ug/L #	1
13) Acetone	2.32	43	492	0.519	ug/L #	43
37) 1,2-Dichloropropane	6.33	63	6857	5.192	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1696	0.868	ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1179	0.648	ug/L	86
51) Chlorobenzene	9.12	112	59621	18.531	ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	1028	0.658	ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	3355	1.565	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	14444	6.360	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	140852	62.169	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	16032	9.428	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	16032	10.848	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	3077	1.922	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026755.D
Acq On : 14 Sep 2018 10:58
Operator : MD/SY
Sample : J4893-03DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 15 00:18:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.697 ug/L

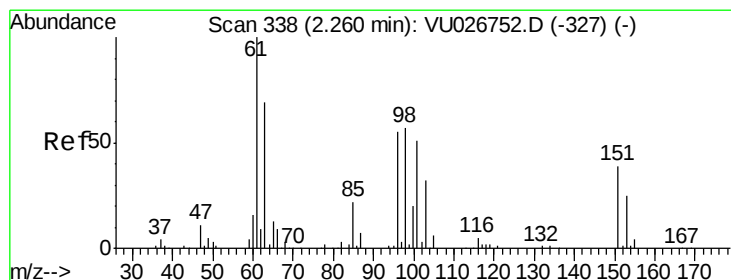
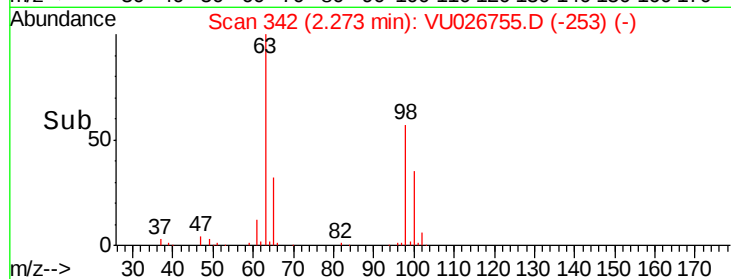
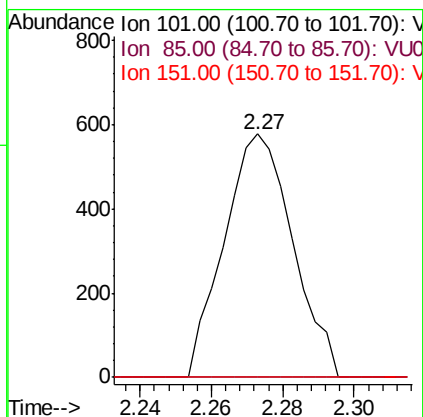
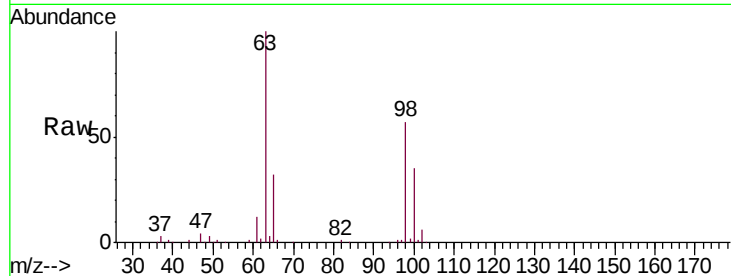
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

Tgt Ion:	101	Resp:	768
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



#12

1,1-Dichloroethene

Concen: 0.558 ug/L

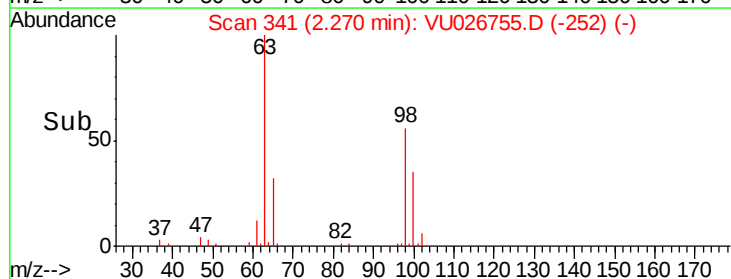
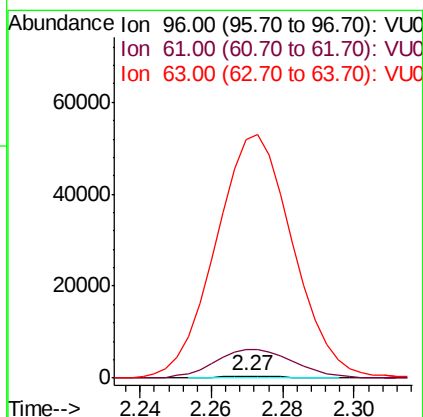
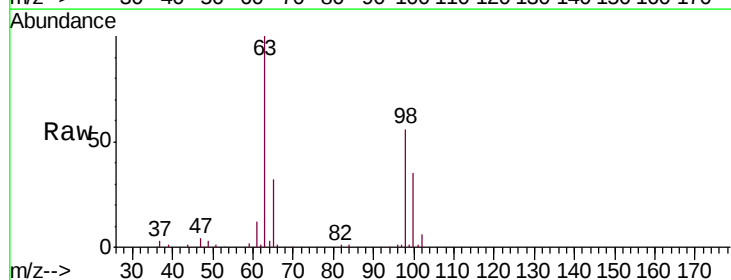
RT: 2.27 min Scan# 341

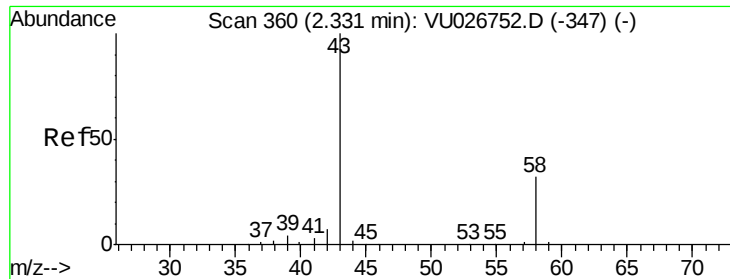
Delta R.T. -0.01 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

Tgt Ion:	96	Resp:	590
Ion	Ratio	Lower	Upper
96	100		
61	1498.1	121.0	224.8#
63	12498.6	89.9	166.9#





#13

Acetone

Concen: 0.519 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026755.D

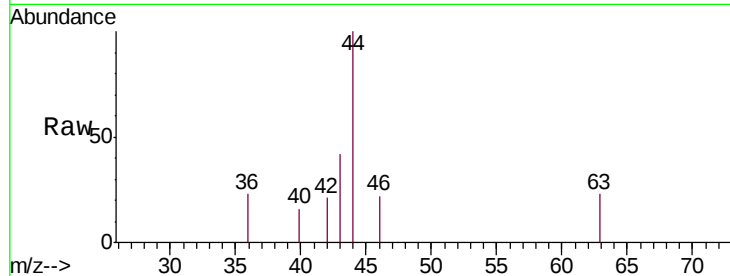
Acq: 14 Sep 2018 10:58

Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

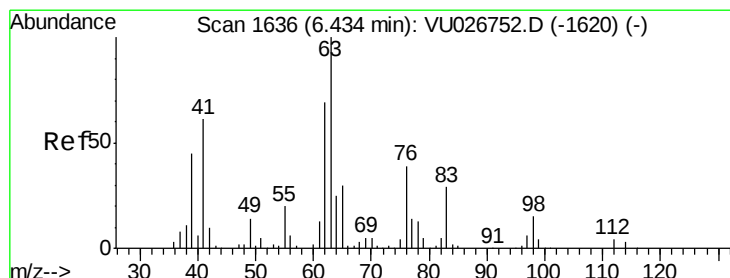
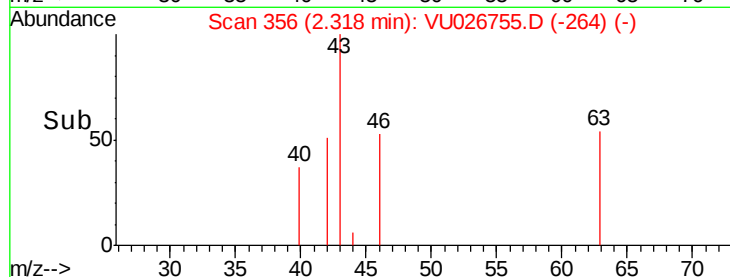
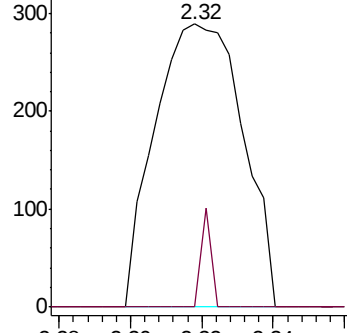
43 100

58 0.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#37

1,2-Dichloropropane

Concen: 5.192 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026755.D

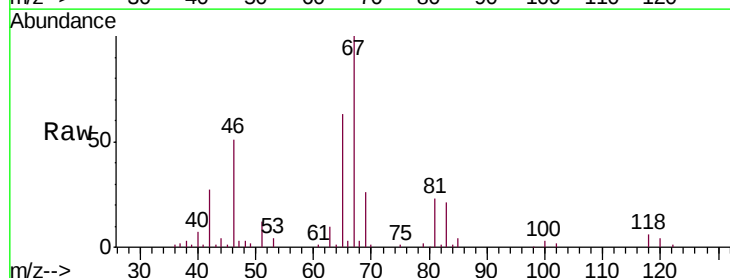
Acq: 14 Sep 2018 10:58

Tgt Ion: 63 Resp: 6857

Ion Ratio Lower Upper

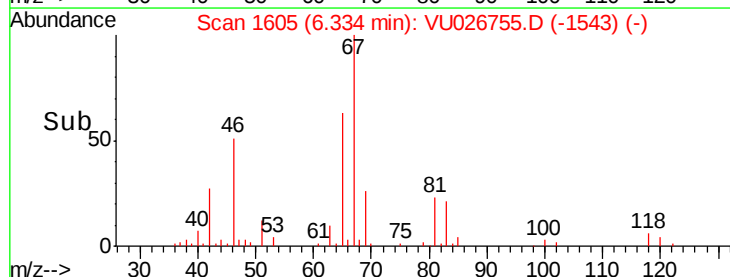
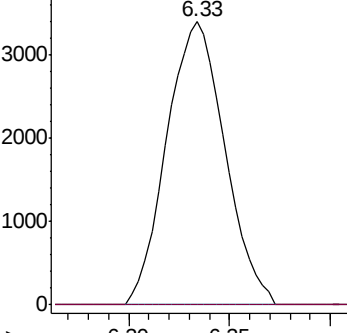
63 100

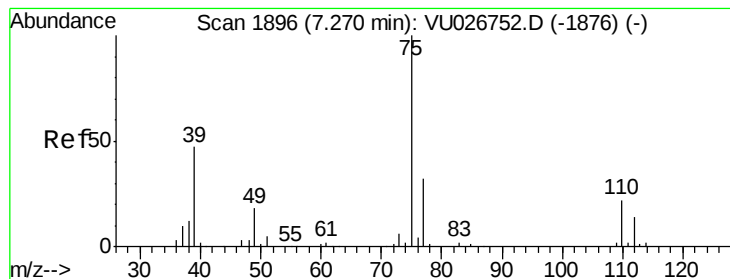
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 0.868 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU026755.D

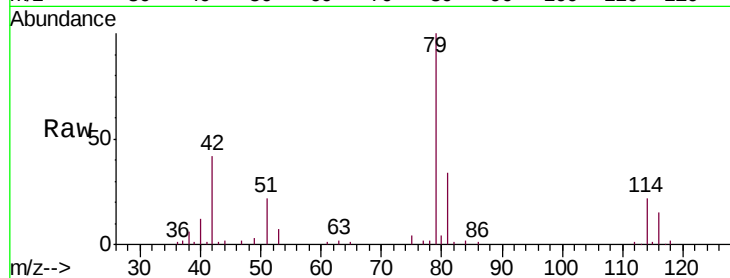
Acq: 14 Sep 2018 10:58

Tgt Ion: 75 Resp: 1696

Ion Ratio Lower Upper

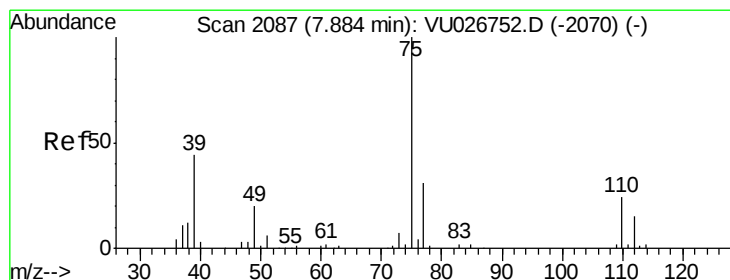
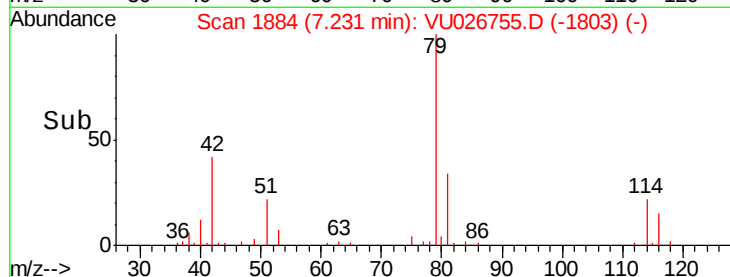
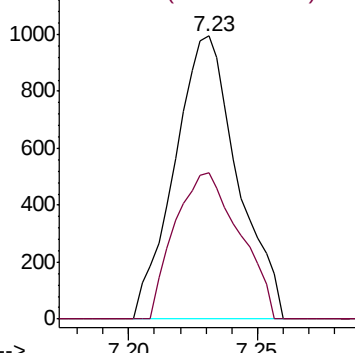
75 100

77 51.5 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.648 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026755.D

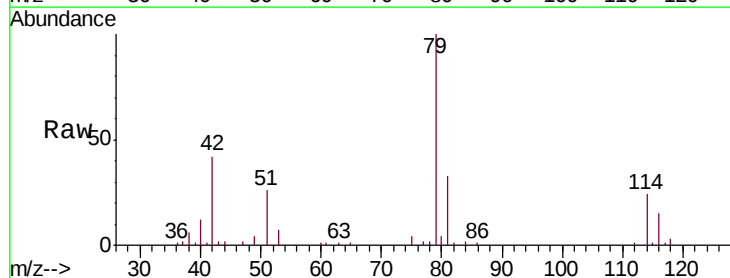
Acq: 14 Sep 2018 10:58

Tgt Ion: 75 Resp: 1179

Ion Ratio Lower Upper

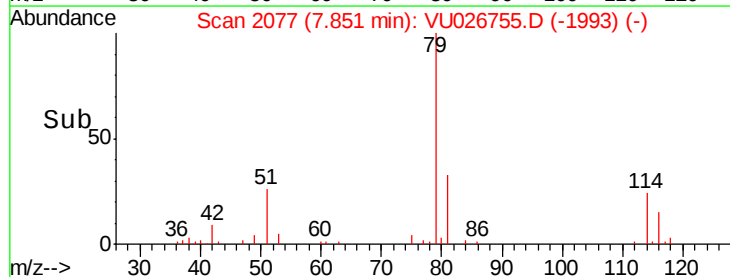
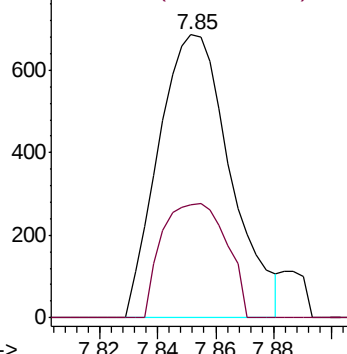
75 100

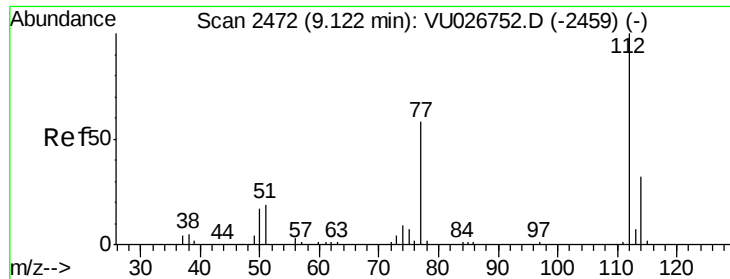
77 39.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

Chlorobenzene

Concen: 18.531 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

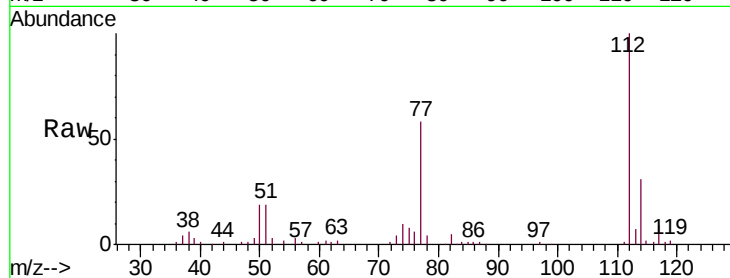
Tgt Ion: 112 Resp: 59621

Ion Ratio Lower Upper

112 100

114 31.0 22.9 42.5

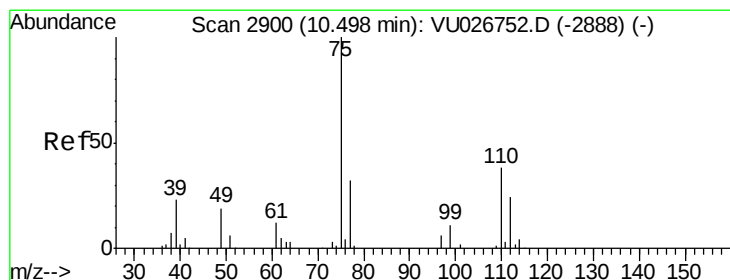
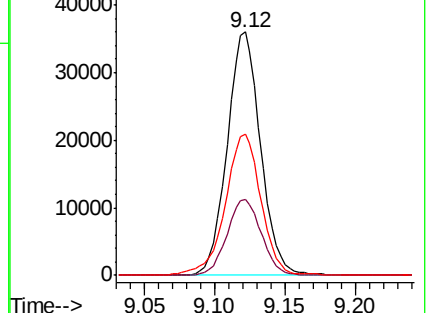
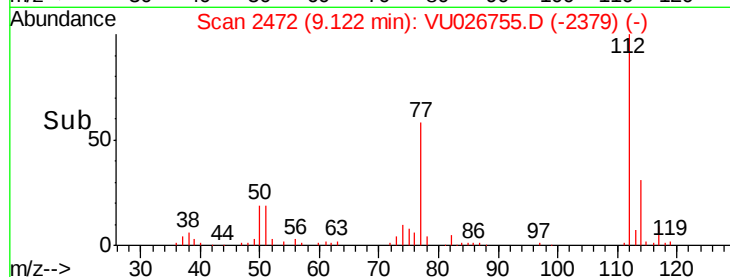
77 58.1 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 0.658 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026755.D

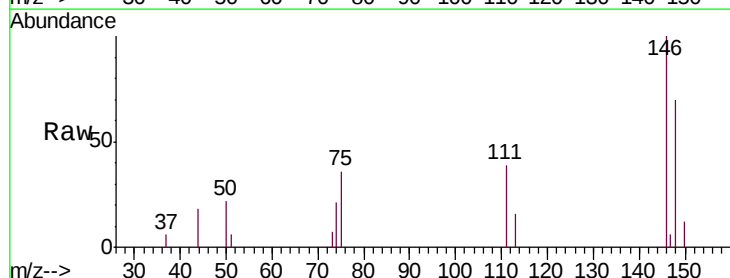
Acq: 14 Sep 2018 10:58

Tgt Ion: 75 Resp: 1028

Ion Ratio Lower Upper

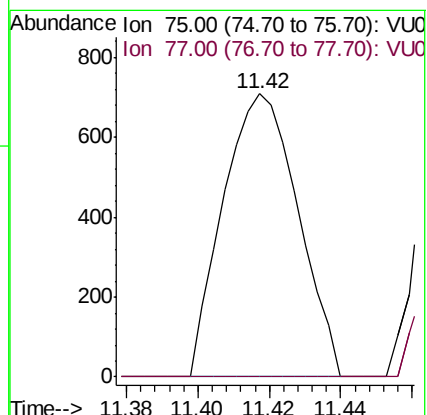
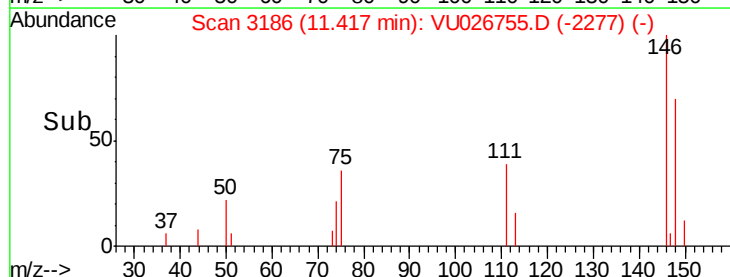
75 100

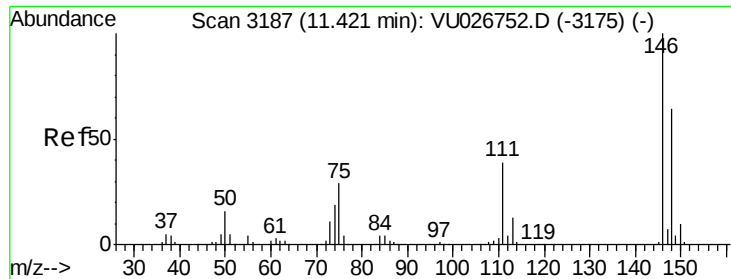
77 0.0 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 1.565 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

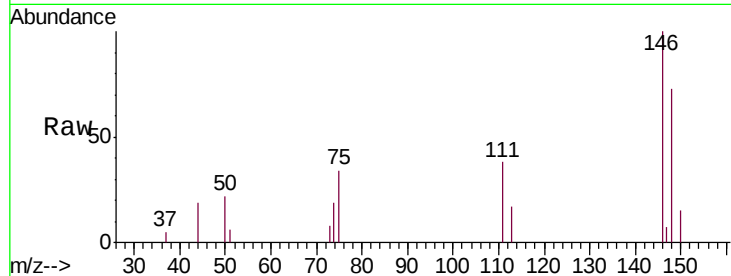
Tgt Ion:146 Resp: 3355

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.5

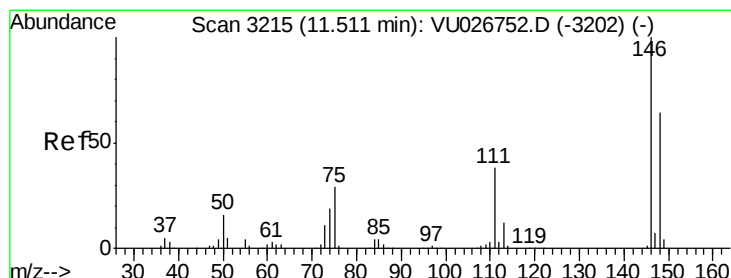
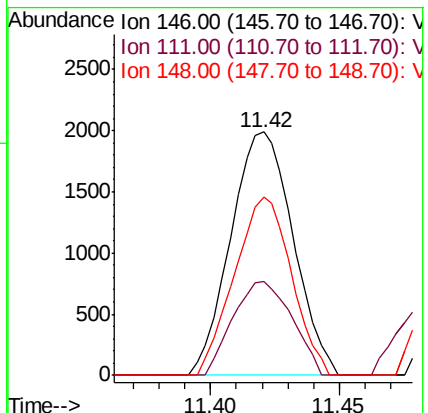
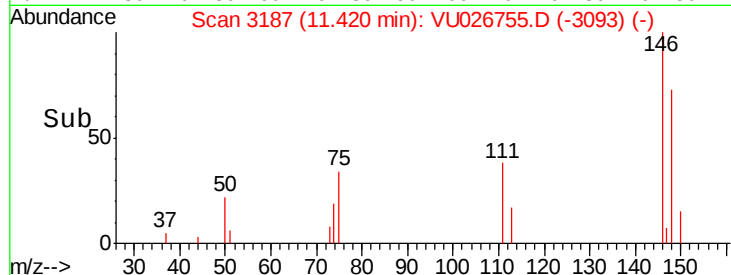
148 73.4 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 6.360 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026755.D

Acq: 14 Sep 2018 10:58

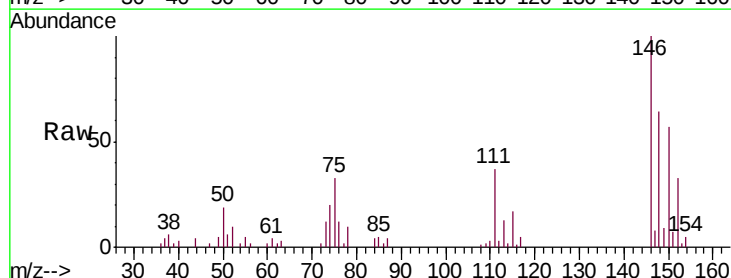
Tgt Ion:146 Resp: 14444

Ion Ratio Lower Upper

146 100

111 36.7 26.5 49.3

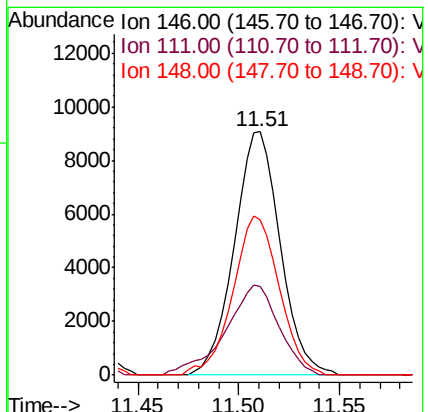
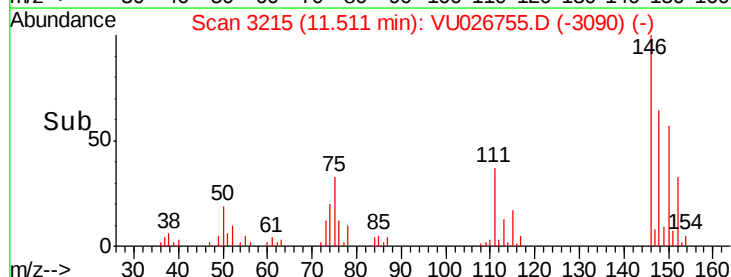
148 63.9 45.2 84.0

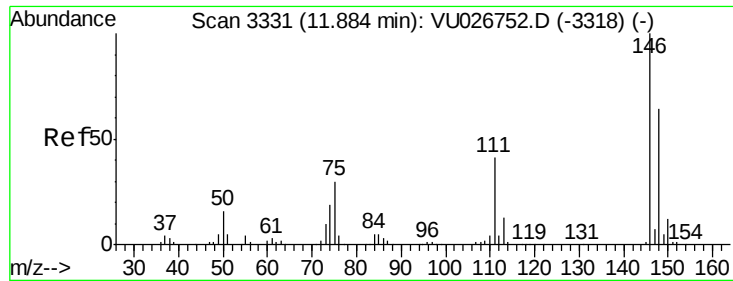


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

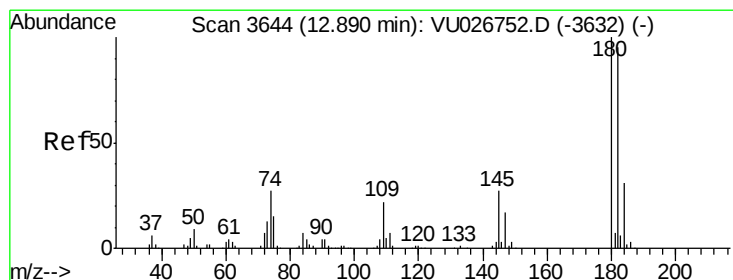
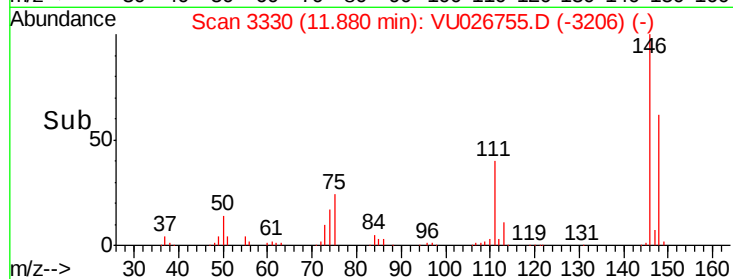
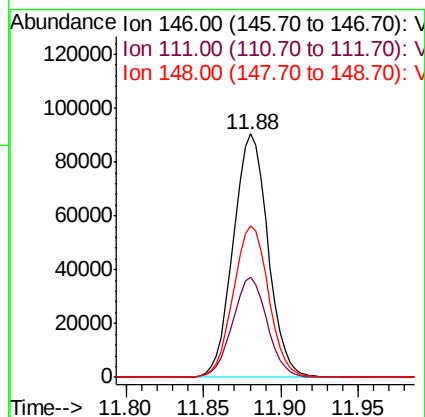
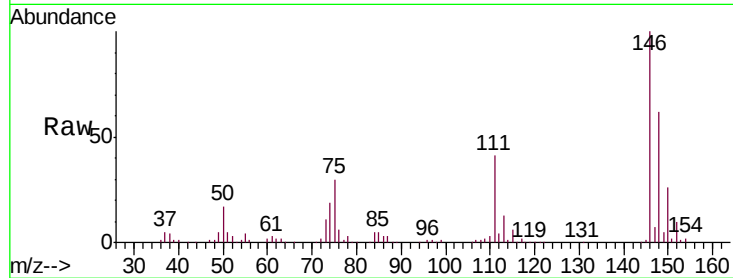
Ion 148.00 (147.70 to 148.70): V





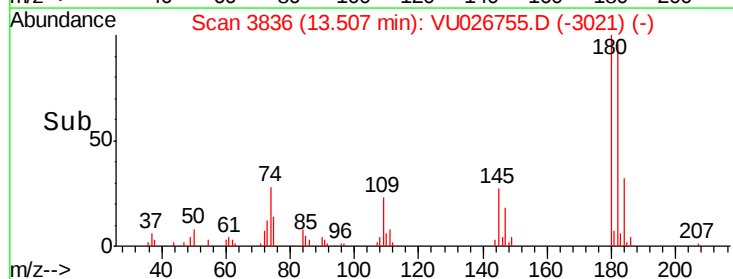
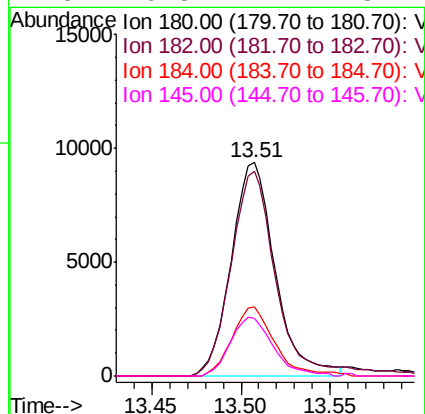
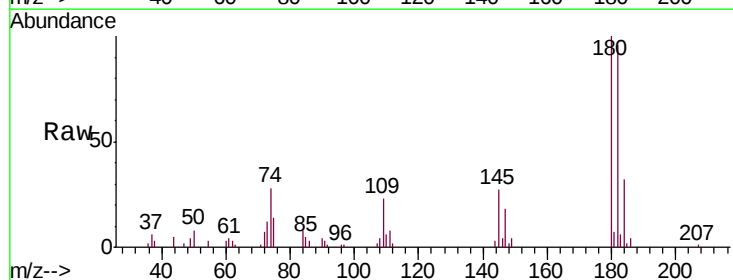
#65
 1,2-Dichlorobenzene
 Concen: 62.169 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026755.D
 Acq: 14 Sep 2018 10:58

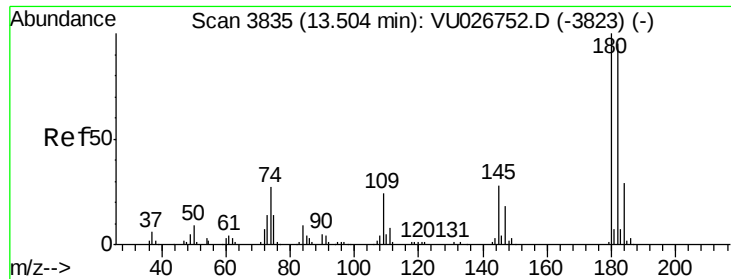
Tgt Ion:	146	Resp:	140852
Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.8	49.2
148	62.4	52.2	78.4



#67
 1,3,5-Trichlorobenzene
 Concen: 9.428 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026755.D
 Acq: 14 Sep 2018 10:58

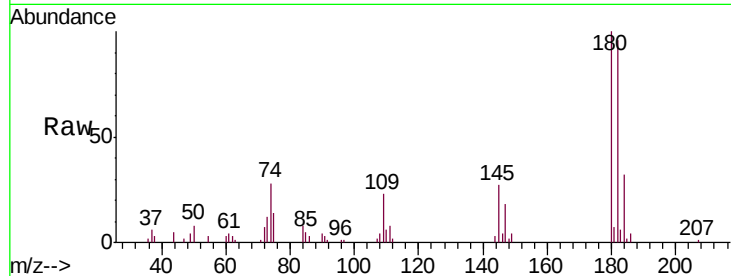
Tgt Ion:	180	Resp:	16032
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.8	115.2
184	31.4	24.2	36.2
145	26.8	21.4	32.2



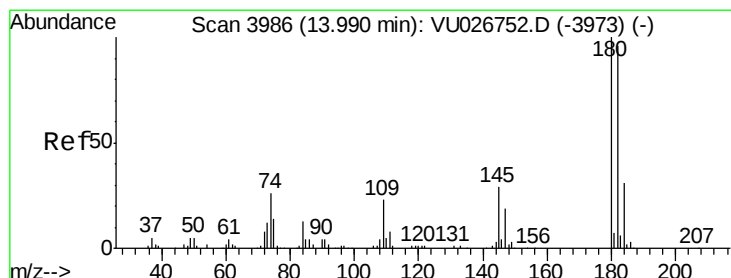
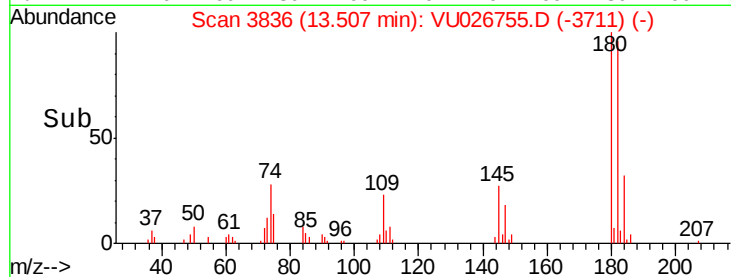
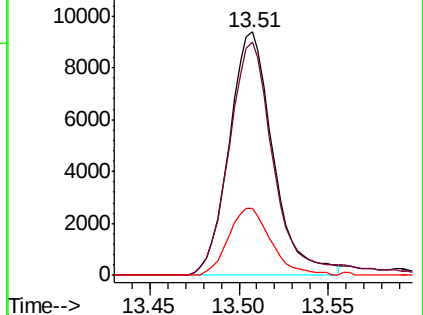


#68
 1,2,4-trichlorobenzene
 Concen: 10.848 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026755.D
 Acq: 14 Sep 2018 10:58

Tgt Ion:180 Resp: 16032
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.0 114.0
 145 26.8 23.4 35.0

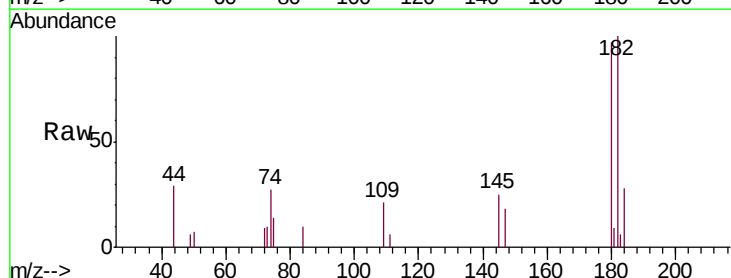


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

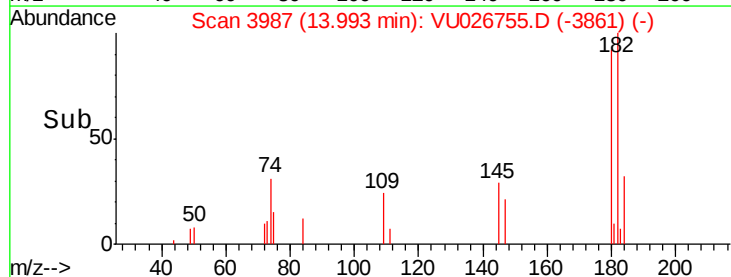
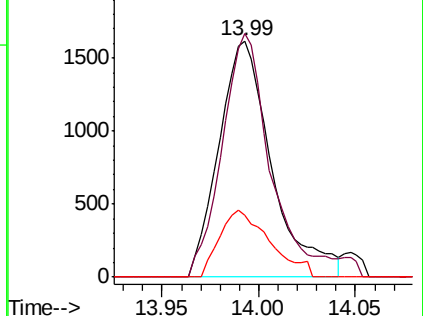


#70
 1,2,3-Trichlorobenzene
 Concen: 1.922 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026755.D
 Acq: 14 Sep 2018 10:58

Tgt Ion:180 Resp: 3077
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.7 115.1
 145 25.7 23.0 34.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



Data File : VU026756.D
Acq On : 14 Sep 2018 11:21
Operator : MD/SY
Sample : J4893-10DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 15 00:18:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	172306	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	161964	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69898	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56197	43.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.52%
7) Chloroethane-d5	1.68	69	45981	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.88%
11) 1,1-Dichloroethene-d2	2.27	63	79057	34.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.80%
21) 2-Butanone-d5	4.18	46	81604	102.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.13%
24) Chloroform-d	4.65	84	92631	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.78%
26) 1,2-Dichloroethane-d4	5.31	65	64731	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
32) Benzene-d6	5.34	84	193711	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
36) 1,2-Dichloropropane-d6	6.33	67	66211	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.14%
41) Toluene-d8	7.57	98	170139	43.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.52%
43) trans-1,3-Dichloropropene-	7.85	79	28200	43.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.24%
47) 2-Hexanone-d5	8.31	63	56659	98.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88426	45.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	66361	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	691	0.653 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	606	0.596 ug/L #	1
13) Acetone	2.32	43	1218	1.338 ug/L	78
25) Chloroform	4.67	83	3403	1.622 ug/L	90
27) 1,2-Dichloroethane	5.39	62	1451	0.871 ug/L #	75
33) Benzene	5.39	78	141087	31.107 ug/L	100
35) Methylcyclohexane	6.33	83	14189	7.863 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6653	5.251 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1701	0.907 ug/L #	52
44) trans-1,3-Dichloropropene	7.85	75	1389	0.796 ug/L	86
48) 2-Hexanone	8.31	43	6767	4.959 ug/L #	66
51) Chlorobenzene	9.12	112	154751	50.135 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	694	0.463 ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	2961	1.475 ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	50359	23.686 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	44734	21.090 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	3509	2.204 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

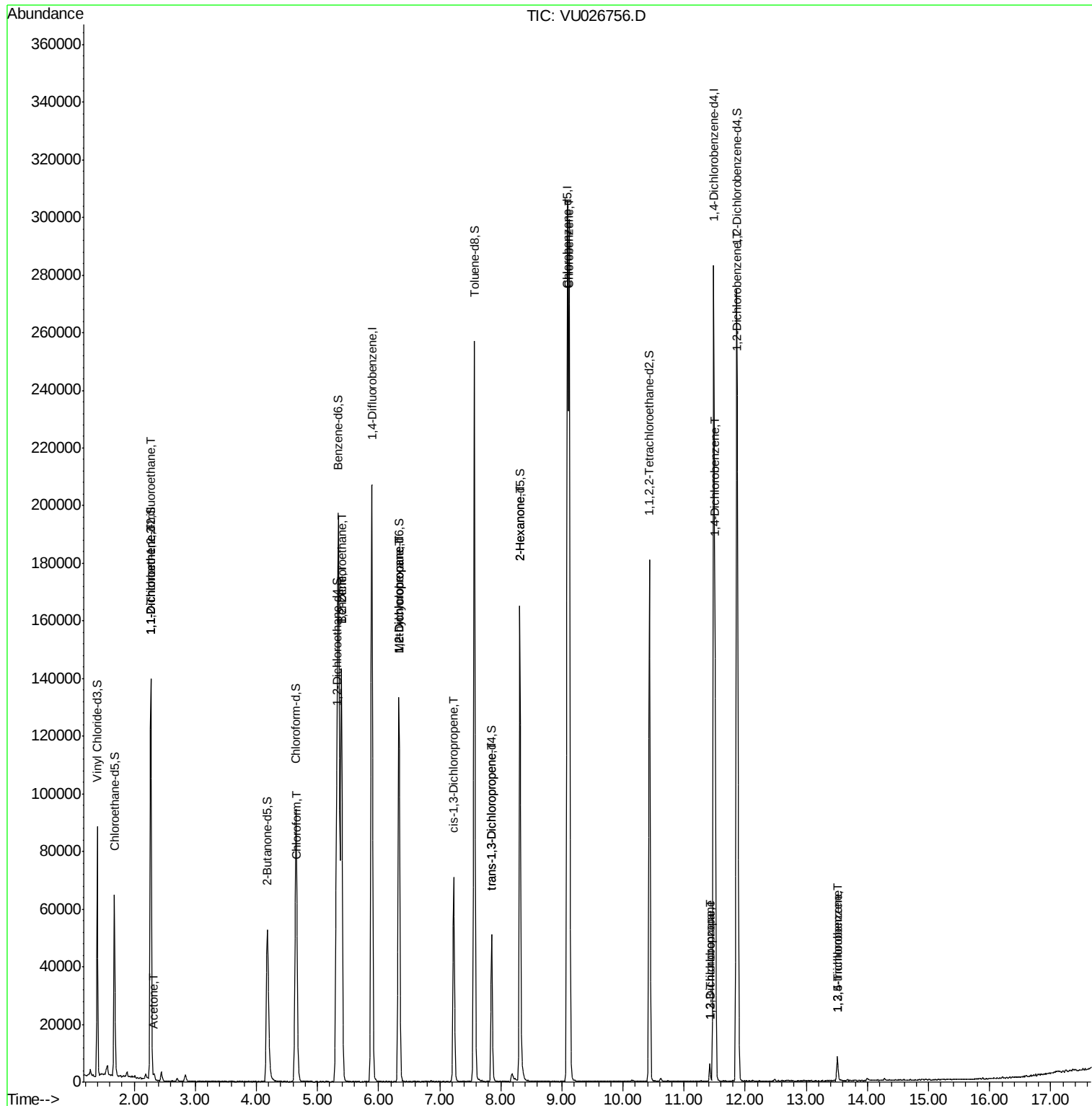
Data File : VU026756.D
Acq On : 14 Sep 2018 11:21
Operator : MD/SY
Sample : J4893-10DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

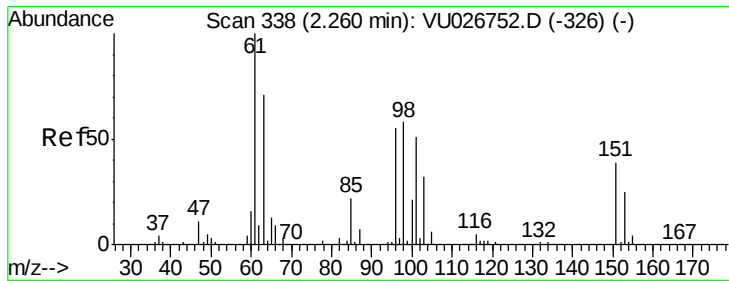
Quant Time: Sep 15 00:18:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	3509	2.536	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 15 00:18:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.653 ug/L

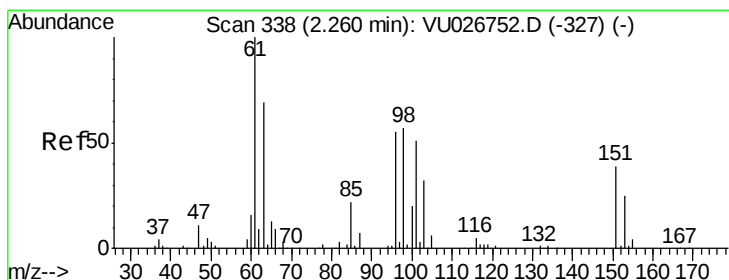
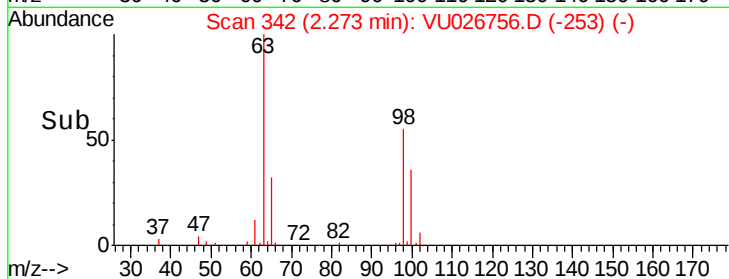
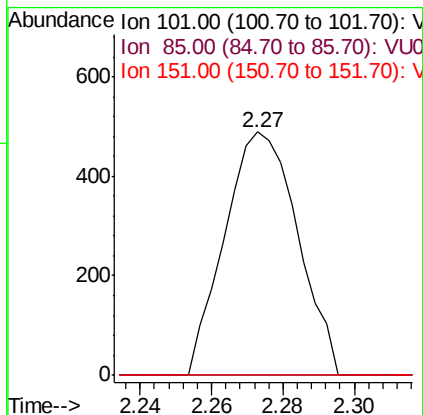
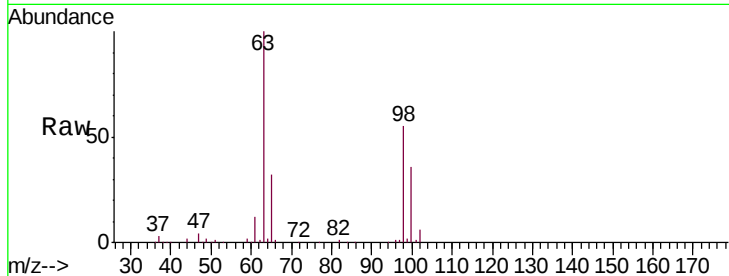
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

Tgt Ion:	101	Resp:	691
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



#12

1,1-Dichloroethene

Concen: 0.596 ug/L

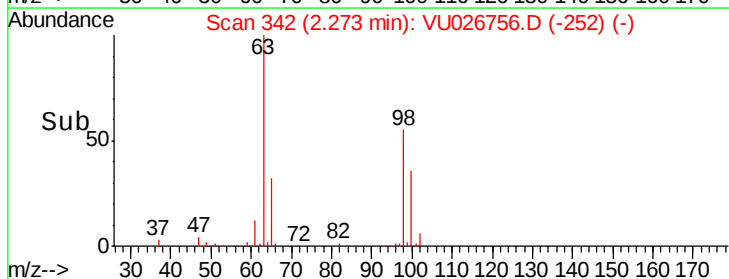
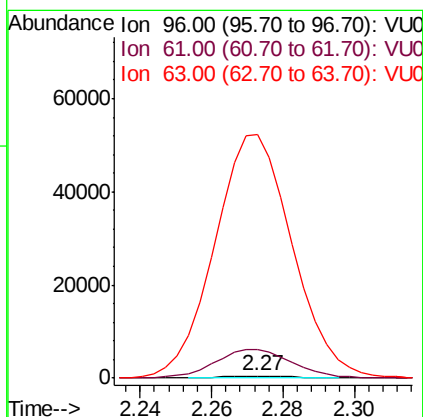
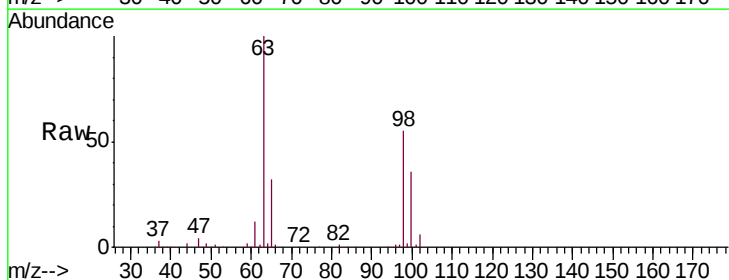
RT: 2.27 min Scan# 342

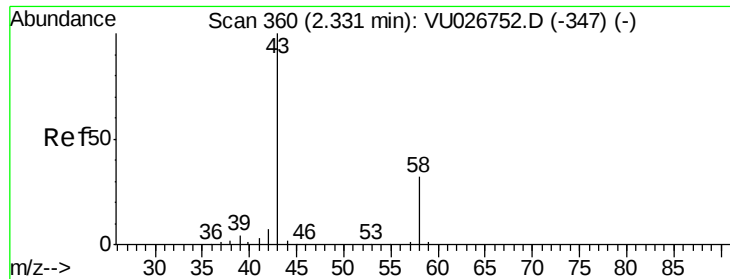
Delta R.T. -0.01 min

Lab File: VU026756.D

Acq: 14 Sep 2018 11:21

Tgt Ion:	96	Resp:	606
Ion	Ratio	Lower	Upper
96	100		
61	1580.4	121.0	224.8#
63	13507.0	89.9	166.9#





#13

Acetone

Concen: 1.338 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026756.D

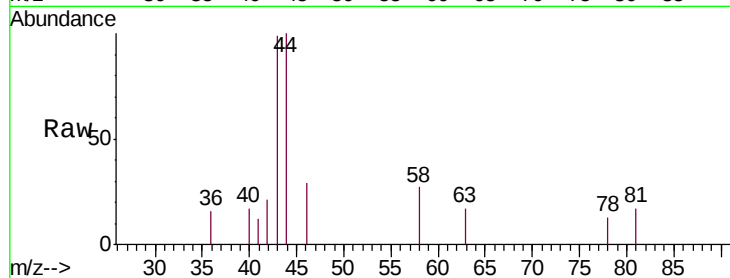
Acq: 14 Sep 2018 11:21

Tgt Ion: 43 Resp: 1218

Ion Ratio Lower Upper

43 100

58 19.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU026752.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VU026752.D (-347) (-)

2.32

800

600

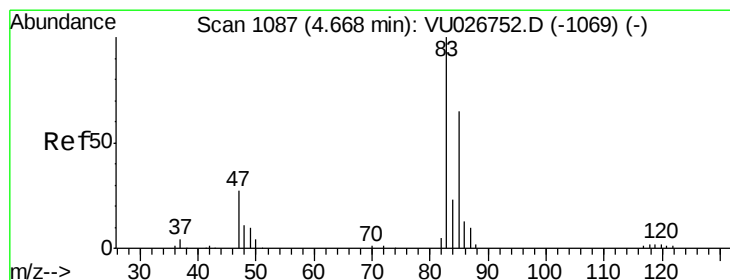
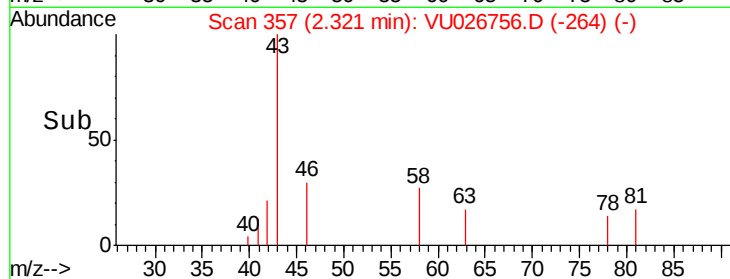
400

200

0

Time-->

2.28 2.30 2.32 2.34 2.36



#25

Chloroform

Concen: 1.622 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026756.D

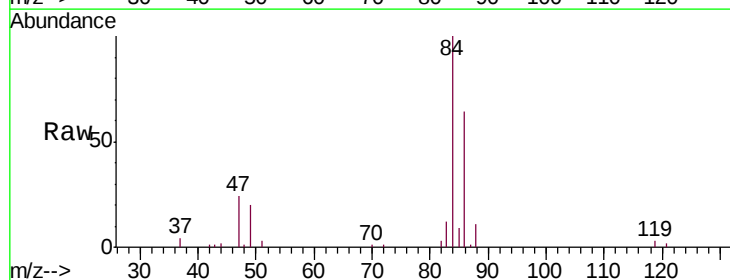
Acq: 14 Sep 2018 11:21

Tgt Ion: 83 Resp: 3403

Ion Ratio Lower Upper

83 100

85 73.2 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU026752.D (-1069) (-)

Ion 85.00 (84.70 to 85.70): VU026752.D (-1069) (-)

4.67

1500

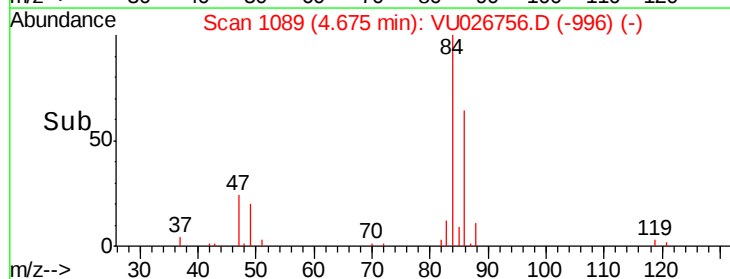
1000

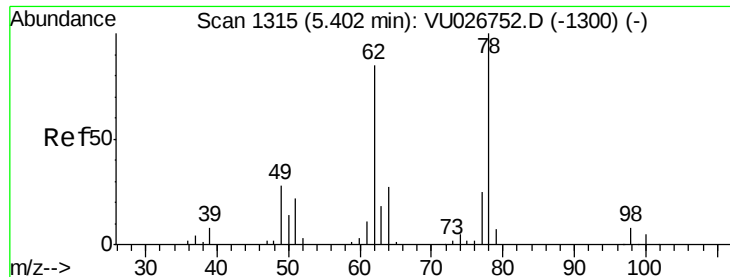
500

0

Time-->

4.60 4.65 4.70 4.75





#27

1,2-Dichloroethane

Concen: 0.871 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VU026756.D

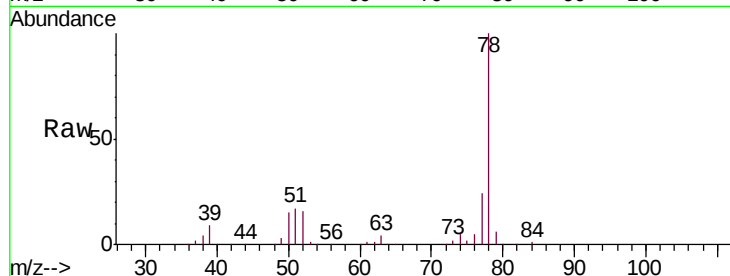
Acq: 14 Sep 2018 11:21

Tgt Ion: 62 Resp: 1451

Ion Ratio Lower Upper

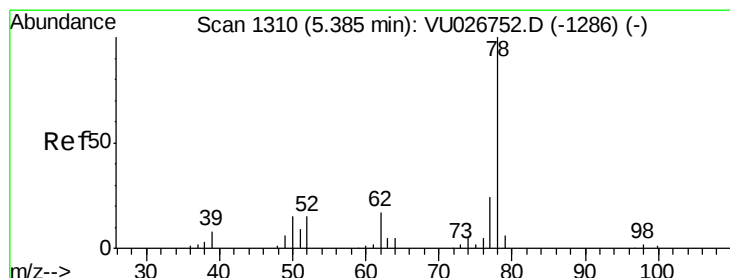
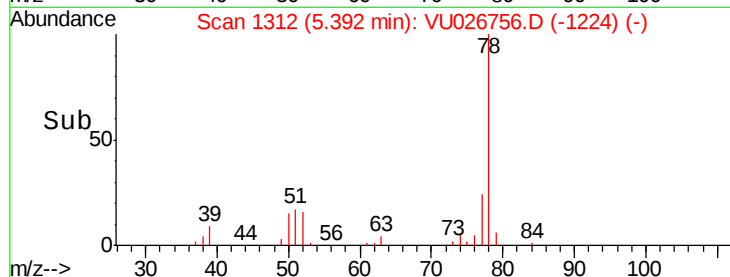
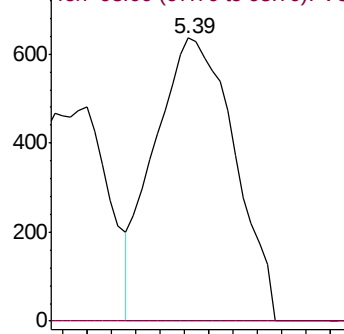
62 100

98 0.0 7.4 11.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#33

Benzene

Concen: 31.107 ug/L

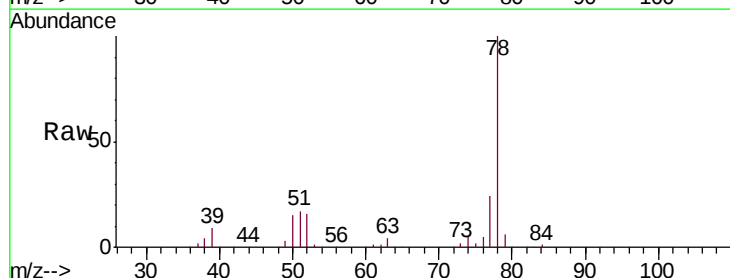
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

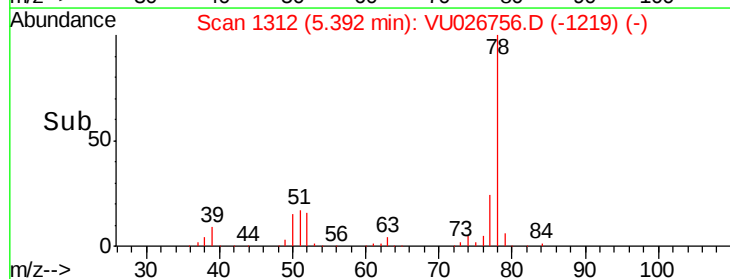
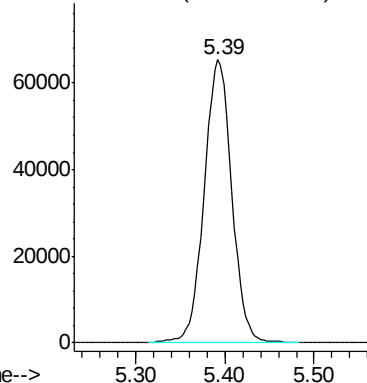
Lab File: VU026756.D

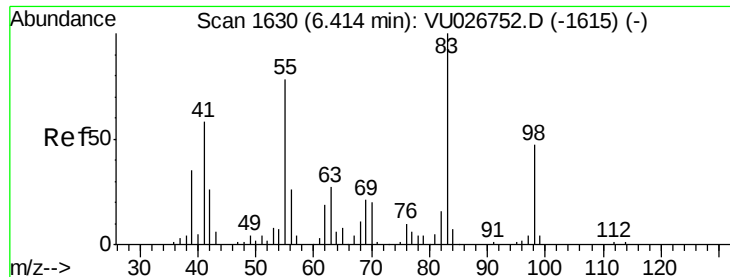
Acq: 14 Sep 2018 11:21

Tgt Ion: 78 Resp: 141087



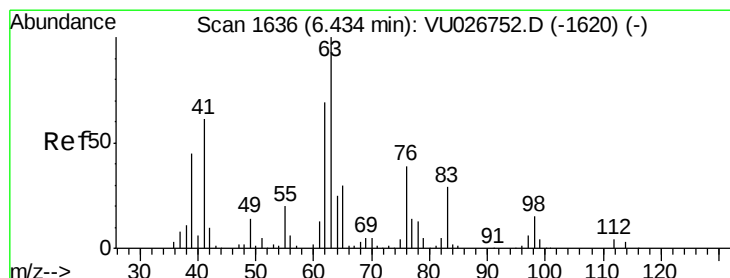
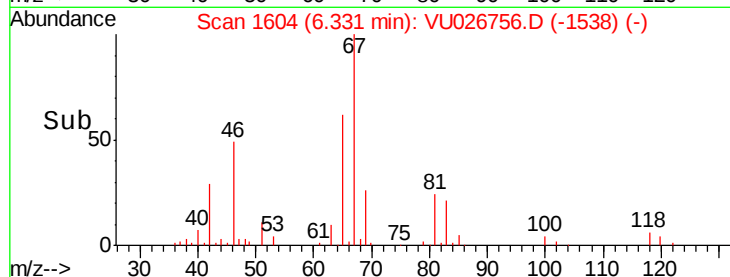
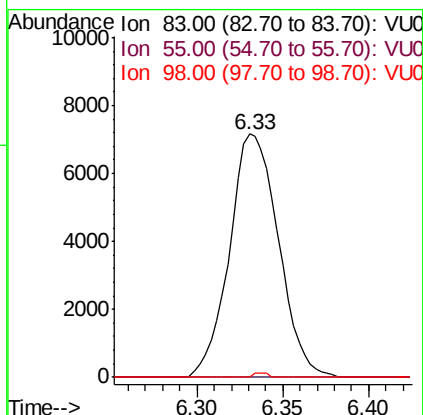
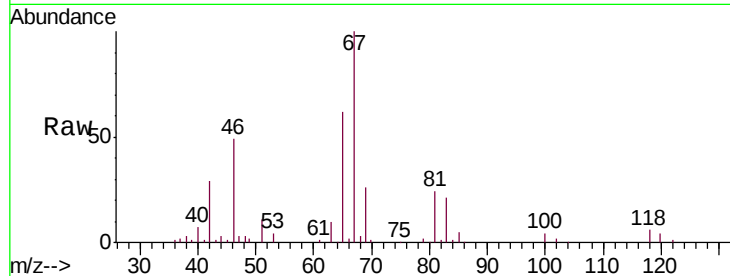
Abundance Ion 78.00 (77.70 to 78.70): VU0





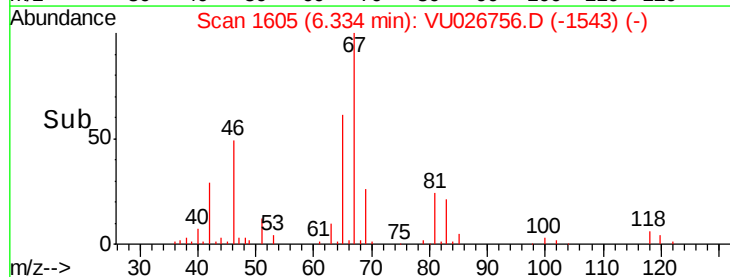
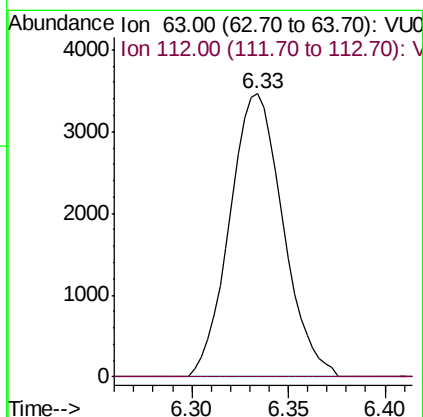
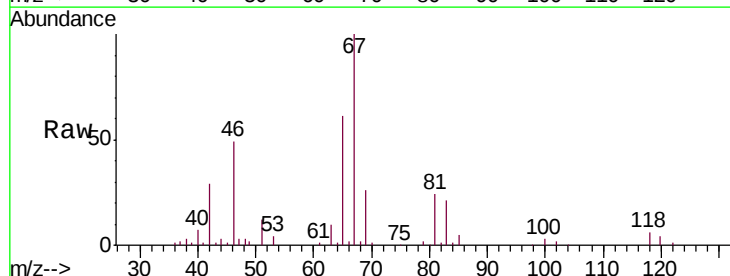
#35
Methylcyclohexane
Concen: 7.863 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

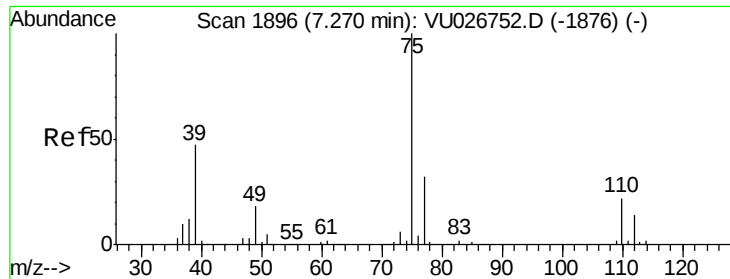
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.9	94.3#
98	0.5	37.0	55.4#



#37
1,2-Dichloropropane
Concen: 5.251 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.9	4.3#

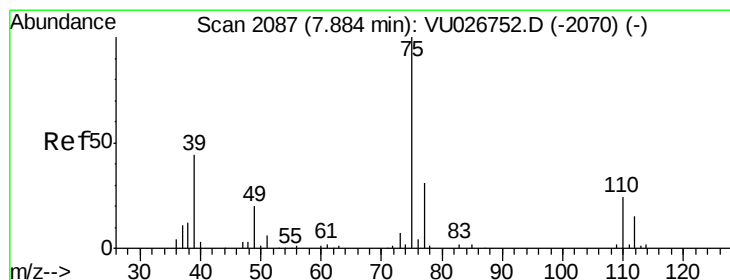
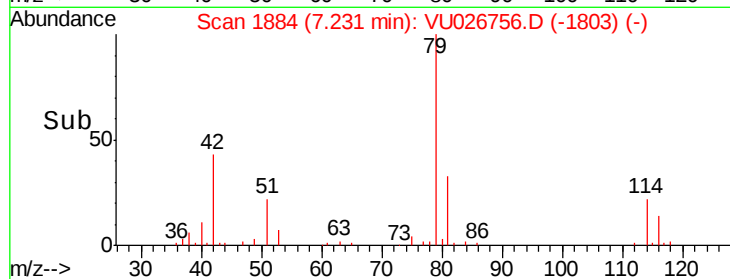
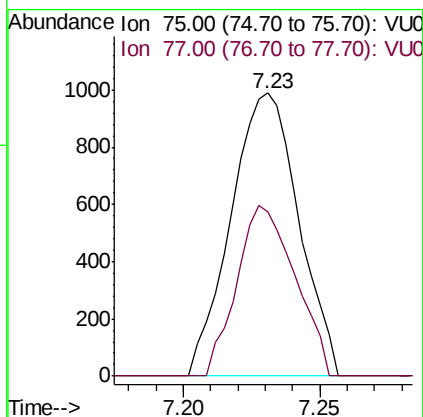
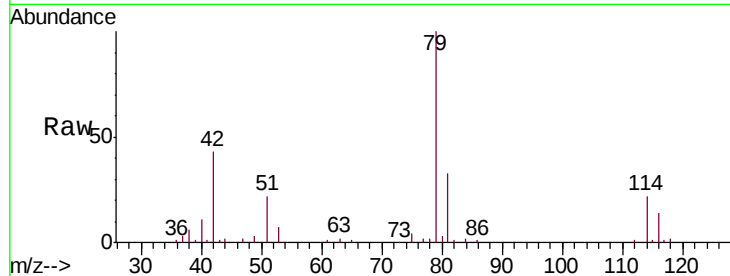




#39

cis-1,3-Dichloropropene
Concen: 0.907 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

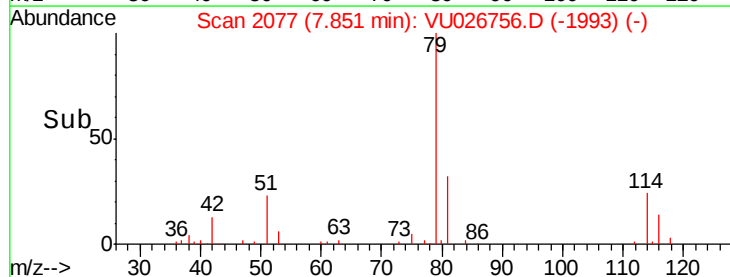
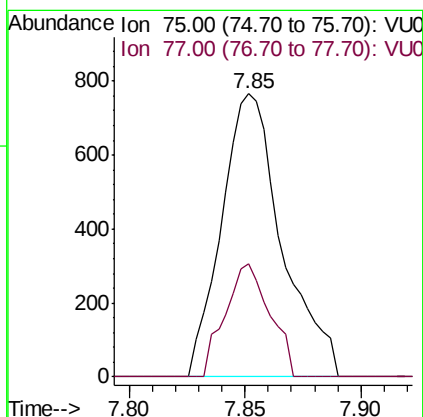
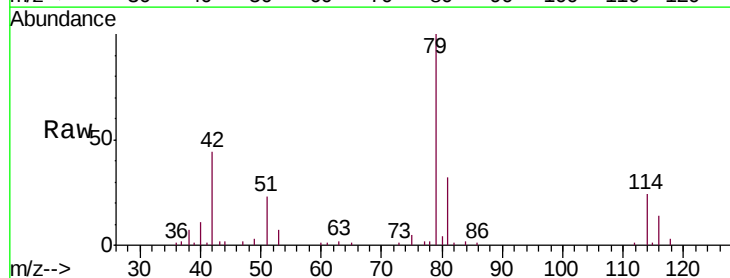
Tgt Ion: 75 Resp: 1701
Ion Ratio Lower Upper
75 100
77 58.2 22.3 41.3#

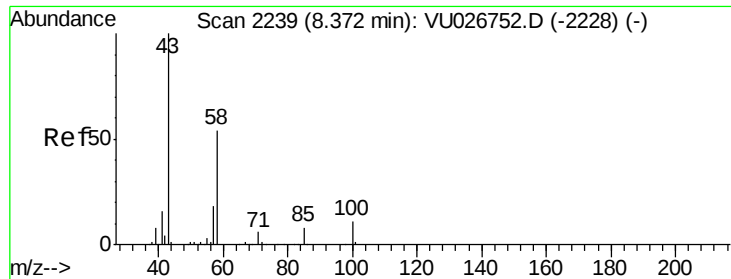


#44

trans-1,3-Dichloropropene
Concen: 0.796 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

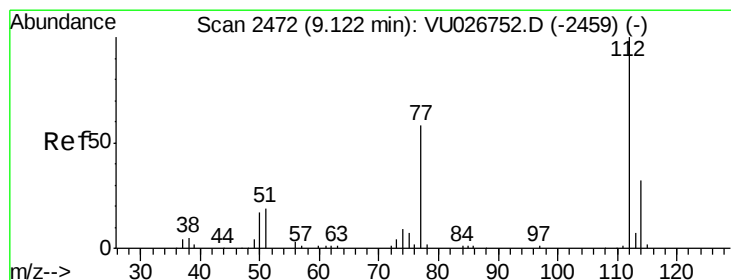
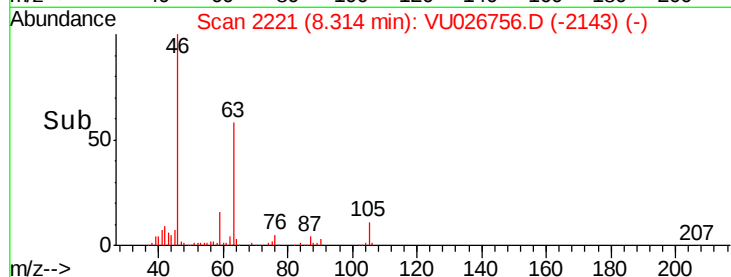
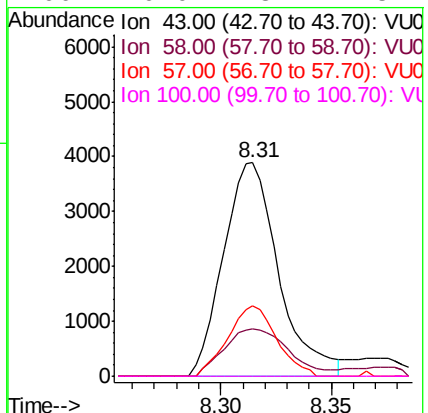
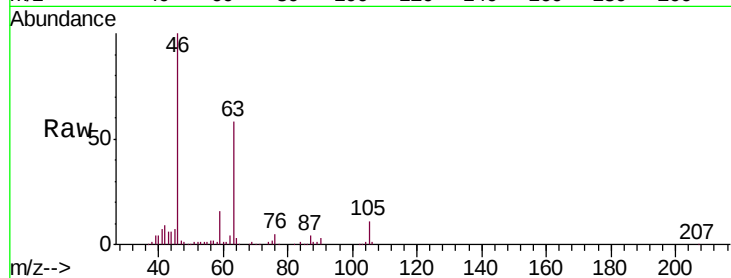
Tgt Ion: 75 Resp: 1389
Ion Ratio Lower Upper
75 100
77 40.1 22.4 41.6





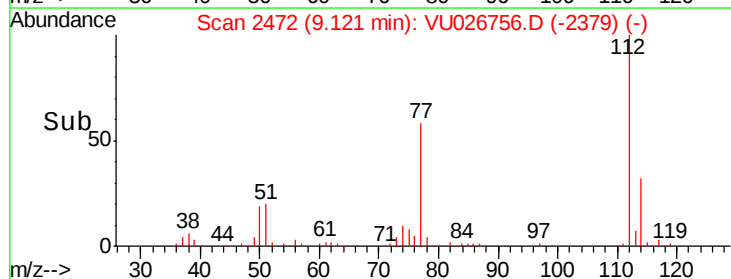
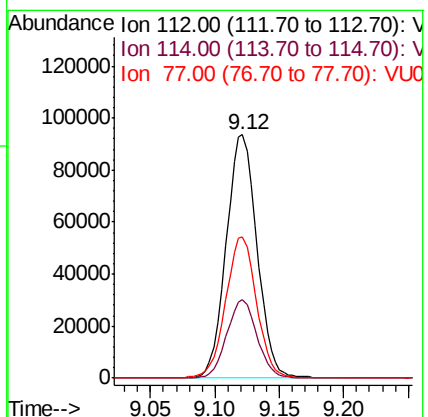
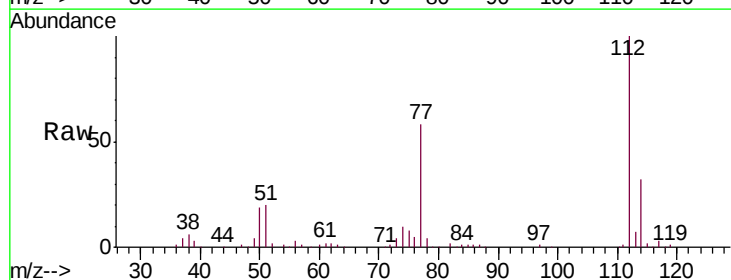
#48
2-Hexanone
Concen: 4.959 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

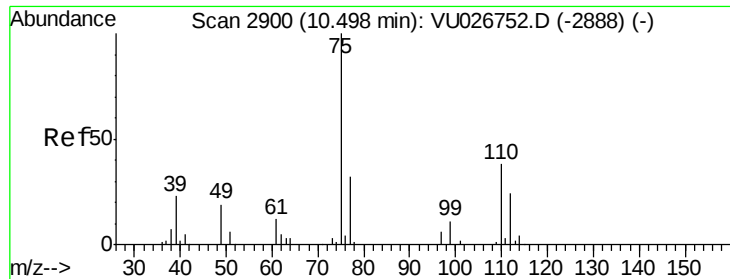
Tgt Ion: 43 Resp: 6767
Ion Ratio Lower Upper
43 100
58 25.6 42.2 63.4#
57 29.2 14.4 21.6#
100 0.0 8.7 13.1#



#51
Chlorobenzene
Concen: 50.135 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

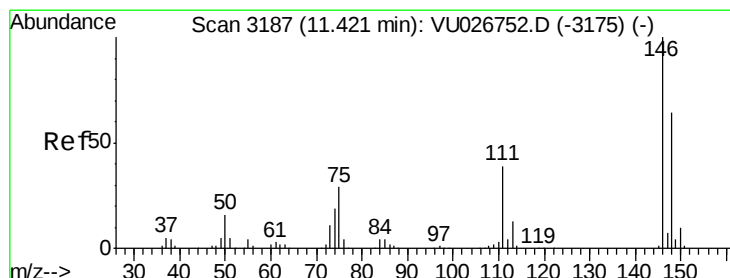
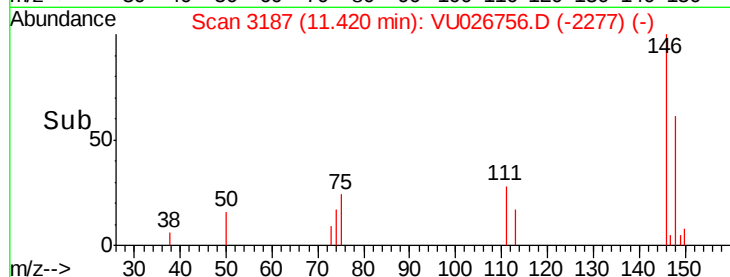
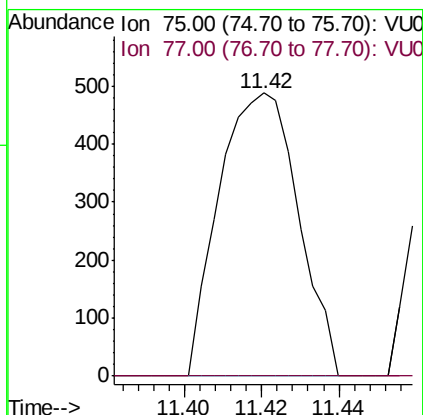
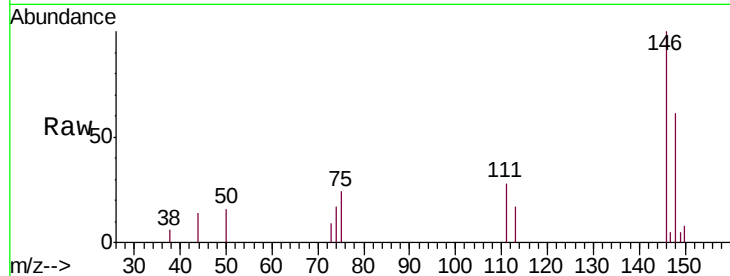
Tgt Ion: 112 Resp: 154751
Ion Ratio Lower Upper
112 100
114 32.0 22.9 42.5
77 58.2 47.2 70.8





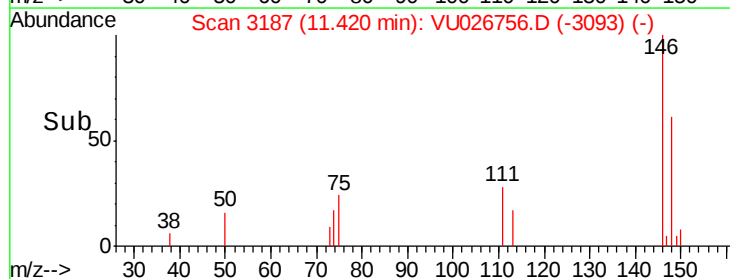
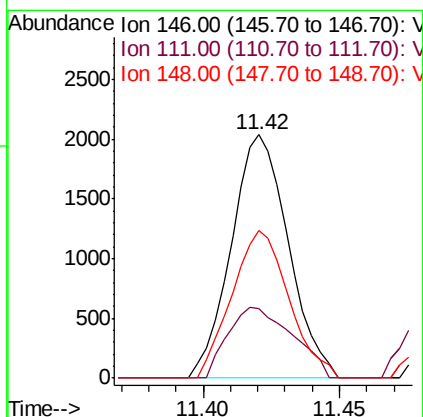
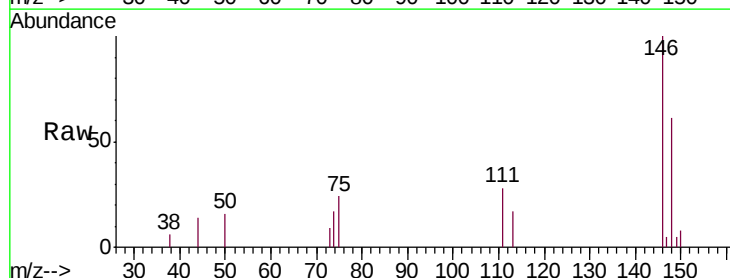
#59
 1,2,3-Trichloropropane
 Concen: 0.463 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.93 min
 Lab File: VU026756.D
 Acq: 14 Sep 2018 11:21

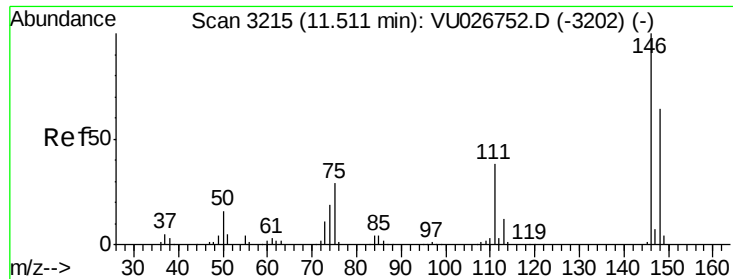
Tgt Ion: 75 Resp: 694
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#62
 1,3-Dichlorobenzene
 Concen: 1.475 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026756.D
 Acq: 14 Sep 2018 11:21

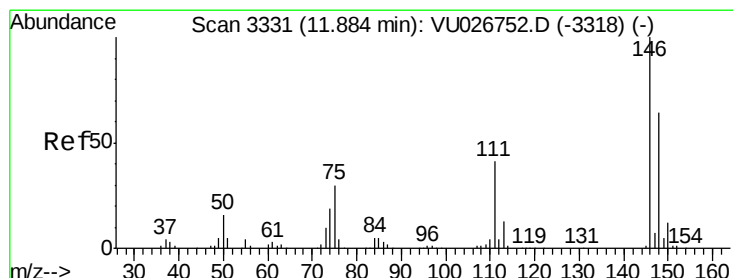
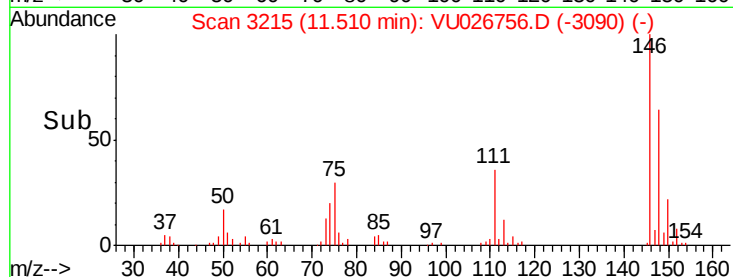
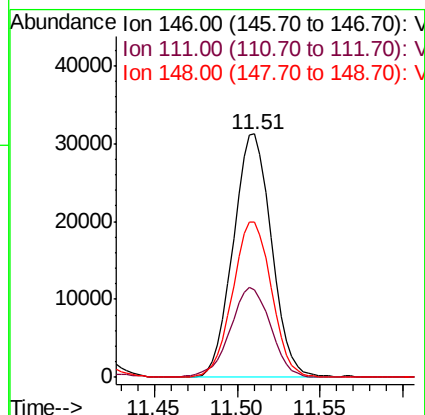
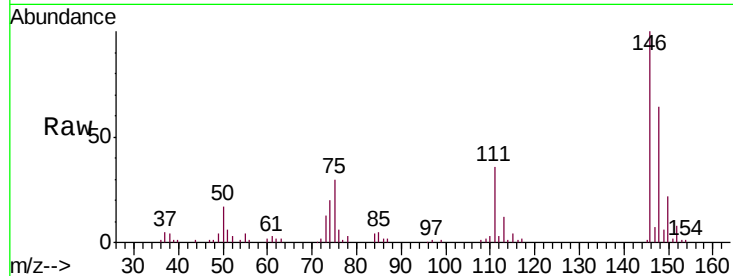
Tgt Ion: 146 Resp: 2961
 Ion Ratio Lower Upper
 146 100
 111 28.4 26.7 49.5
 148 60.6 44.2 82.2





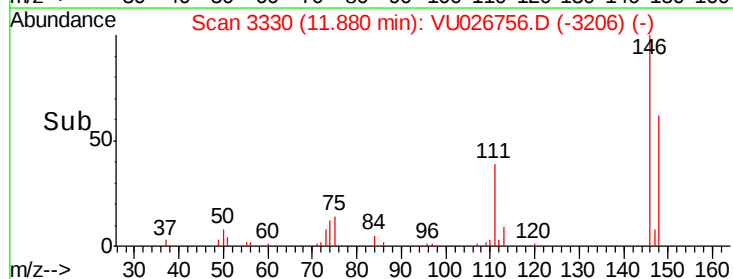
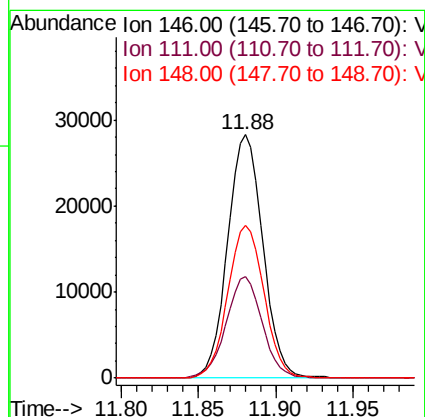
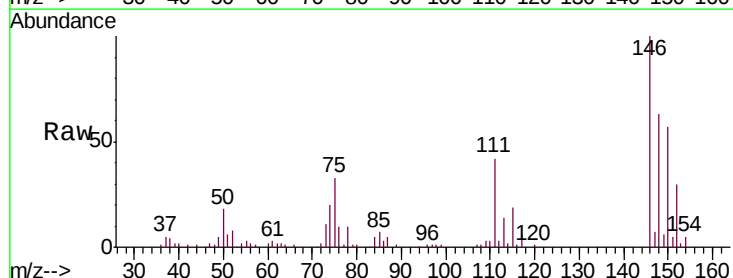
#63
1,4-Dichlorobenzene
Concen: 23.686 ug/L
RT: 11.51 min Scan# 3215
Delta R.T. 0.00 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

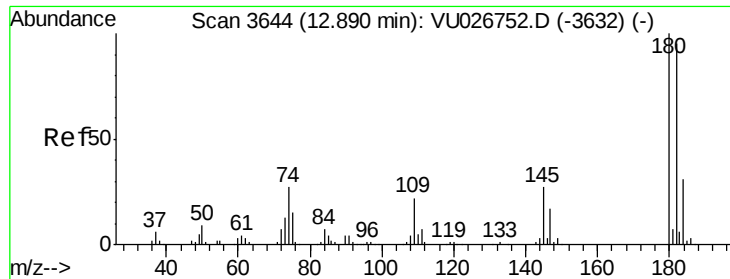
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	26.5	49.3
148	64.0	45.2	84.0



#65
1,2-Dichlorobenzene
Concen: 21.090 ug/L
RT: 11.88 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VU026756.D
Acq: 14 Sep 2018 11:21

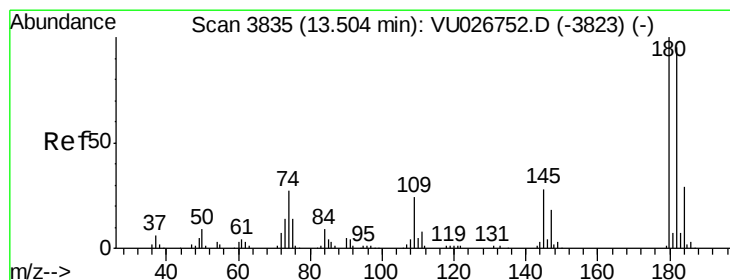
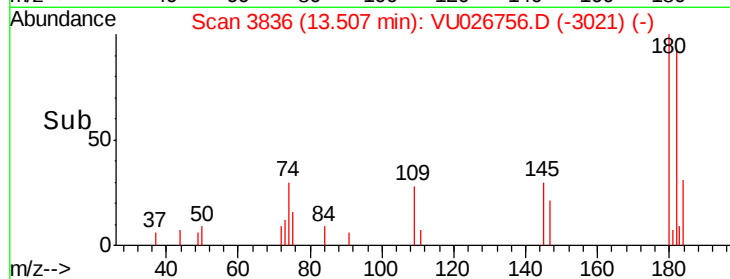
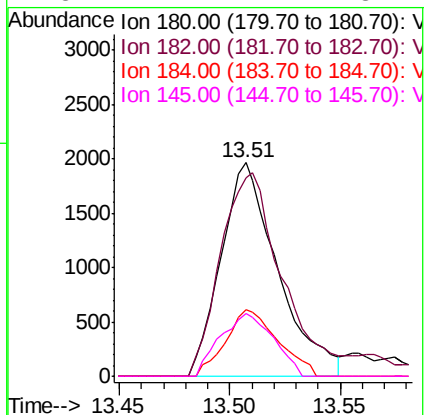
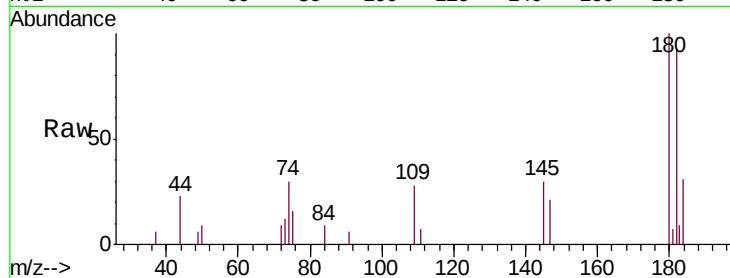
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.8	49.2
148	62.8	52.2	78.4





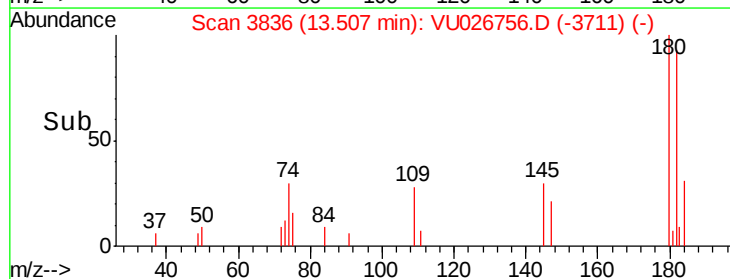
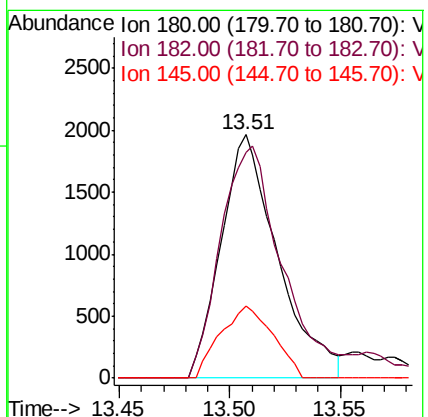
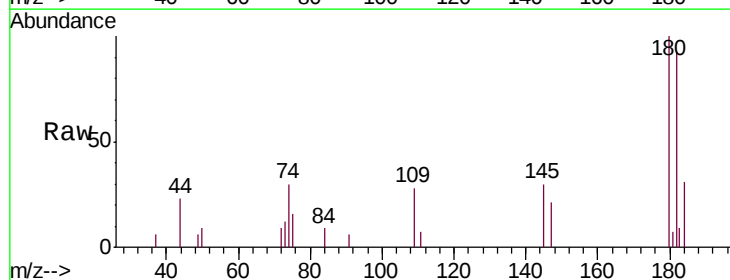
#67
 1,3,5-Trichlorobenzene
 Concen: 2.204 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026756.D
 Acq: 14 Sep 2018 11:21

Tgt Ion:	180	Resp:	3509
Ion	Ratio	Lower	Upper
180	100		
182	102.2	76.8	115.2
184	28.6	24.2	36.2
145	27.4	21.4	32.2



#68
 1,2,4-trichlorobenzene
 Concen: 2.536 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026756.D
 Acq: 14 Sep 2018 11:21

Tgt Ion:	180	Resp:	3509
Ion	Ratio	Lower	Upper
180	100		
182	102.2	76.0	114.0
145	27.4	23.4	35.0



Data File : VU026757.D
Acq On : 14 Sep 2018 11:44
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 15 00:18:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	171737	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	166199	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	77388	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53347	41.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.36%
7) Chloroethane-d5	1.68	69	44632	43.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.56%
11) 1,1-Dichloroethene-d2	2.27	63	78363	34.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.42%
21) 2-Butanone-d5	4.19	46	87330	109.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.65%
24) Chloroform-d	4.66	84	87935	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.64%
26) 1,2-Dichloroethane-d4	5.31	65	62975	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
32) Benzene-d6	5.34	84	193559	45.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.33	67	65342	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.54%
41) Toluene-d8	7.57	98	172528	42.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.50%
43) trans-1,3-Dichloropropene-	7.85	79	28590	42.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.20%
47) 2-Hexanone-d5	8.31	63	65029	110.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	94121	47.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	71790	46.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.06%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	605	0.574 ug/L #	18
13) Acetone	2.32	43	945644	1042.515 ug/L	99
15) Methyl Acetate	2.60	43	41189538	31830.018 ug/L #	52
29) Cyclohexane	5.00	56	1393	0.765 ug/L	98
35) Methylcyclohexane	6.33	83	14475	7.817 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6796	5.227 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1695	0.881 ug/L #	62
40) 4-Methyl-2-pentanone	7.47	43	1561	0.941 ug/L #	96
44) trans-1,3-Dichloropropene	7.85	75	1272	0.711 ug/L #	82
48) 2-Hexanone	8.37	43	2991	2.136 ug/L #	90
51) Chlorobenzene	9.12	112	2285	0.721 ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	9753	6.340 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	3179	1.350 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	3080	1.312 ug/L	91
68) 1,2,4-trichlorobenzene	13.51	180	884	0.577 ug/L #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026757.D
Acq On : 14 Sep 2018 11:44
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

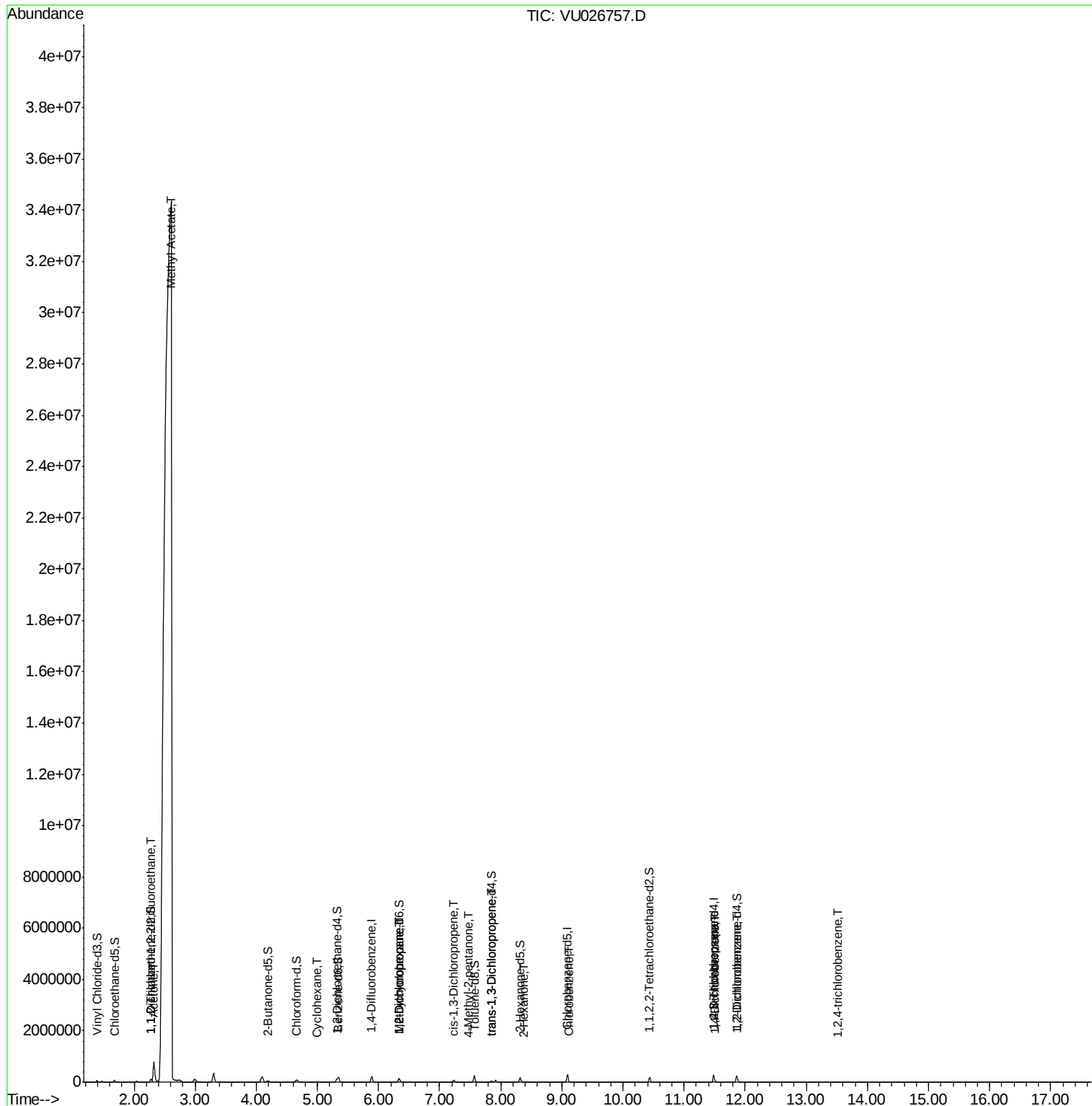
Quant Time: Sep 15 00:18:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

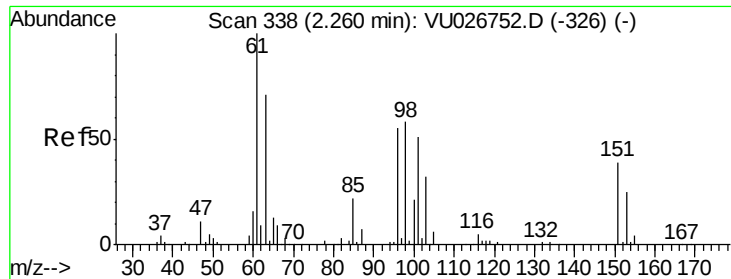
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data File : VU026757.D
Acq On : 14 Sep 2018 11:44
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 15 00:18:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.574 ug/L

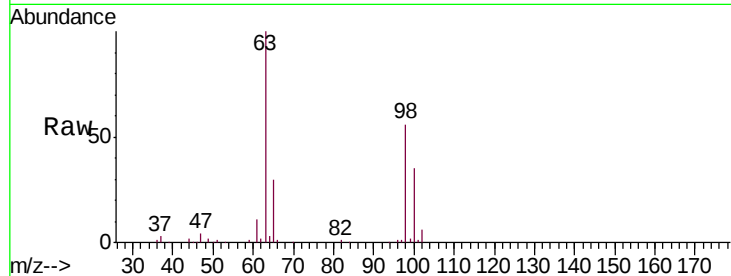
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

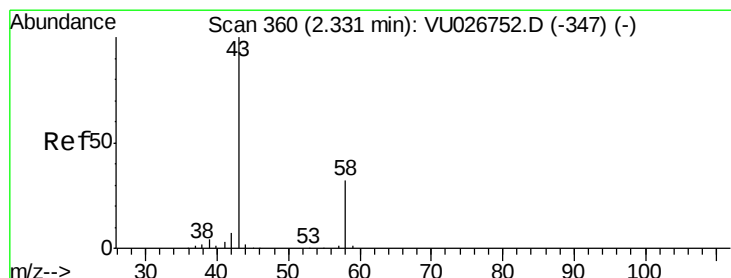
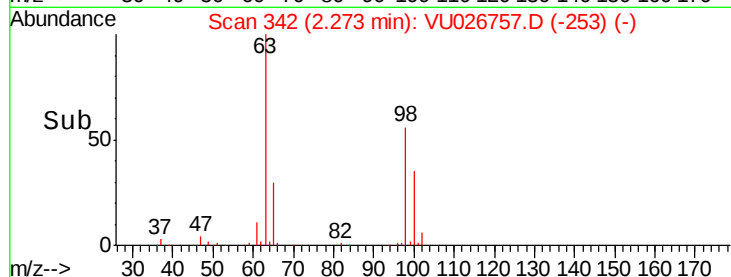
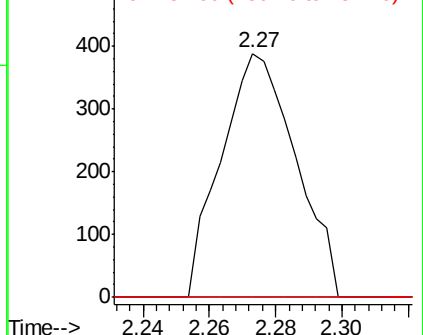
Tgt Ion:	101	Resp:	605
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1042.515 ug/L

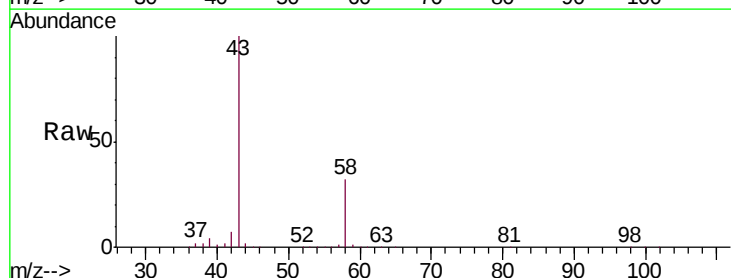
RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026757.D

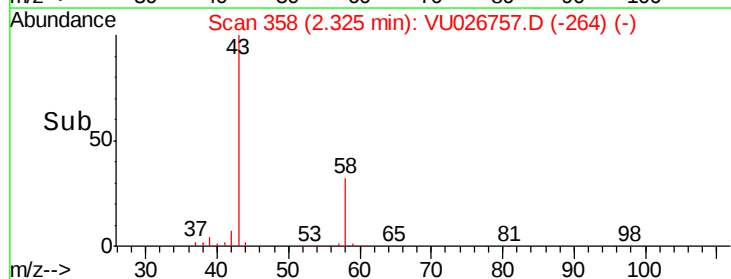
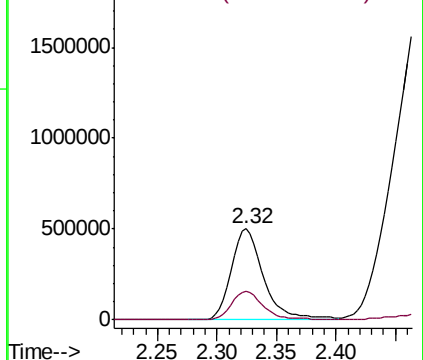
Acq: 14 Sep 2018 11:44

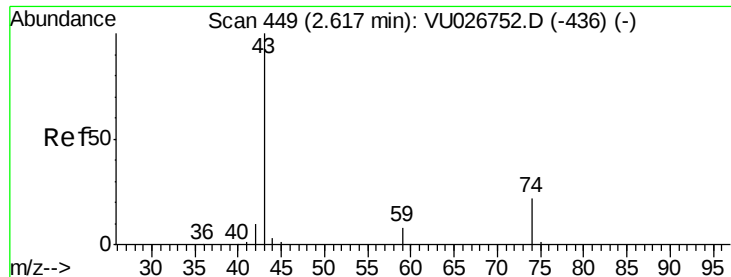
Tgt Ion:	43	Resp:	945644
Ion	Ratio	Lower	Upper
43	100		
58	32.0	0.0	62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#15

Methyl Acetate

Concen: 31830.018 ug/L

RT: 2.60 min Scan# 445

Delta R.T. -0.01 min

Lab File: VU026757.D

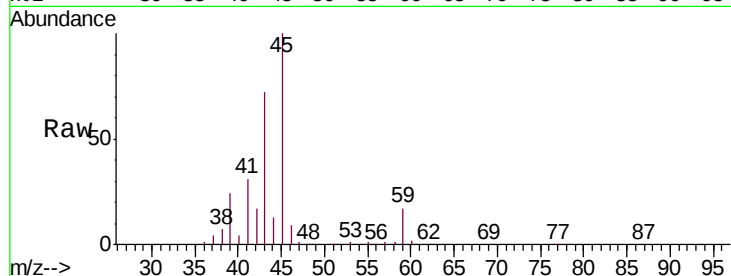
Acq: 14 Sep 2018 11:44

Tgt Ion: 43 Resp: 41189538

Ion Ratio Lower Upper

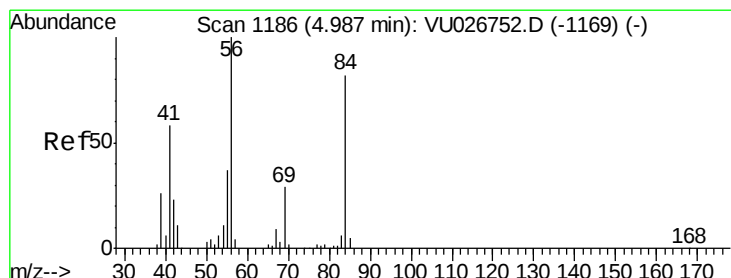
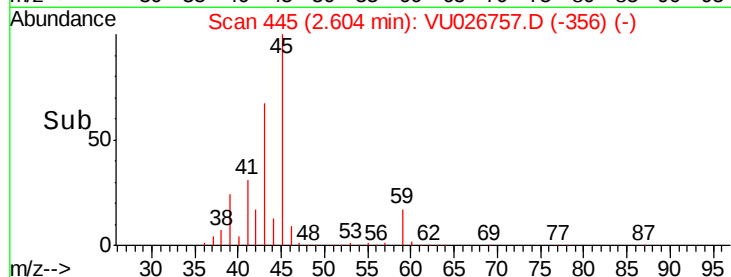
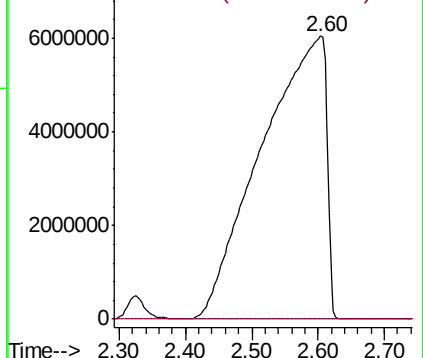
43 100

74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#29

Cyclohexane

Concen: 0.765 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

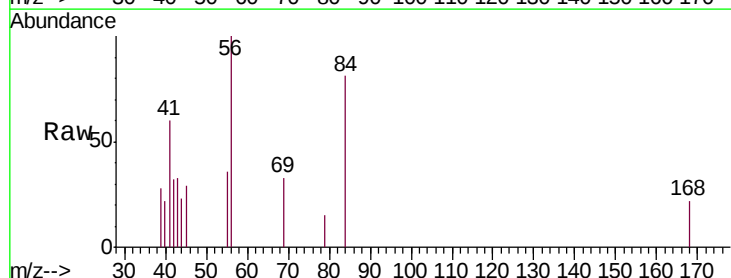
Tgt Ion: 56 Resp: 1393

Ion Ratio Lower Upper

56 100

69 30.2 23.0 34.6

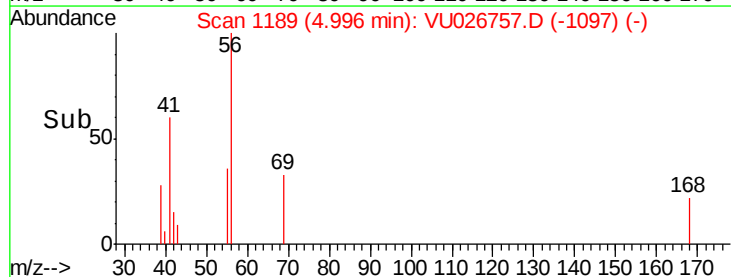
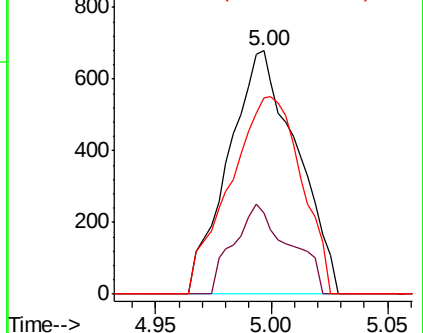
84 84.8 66.5 99.7

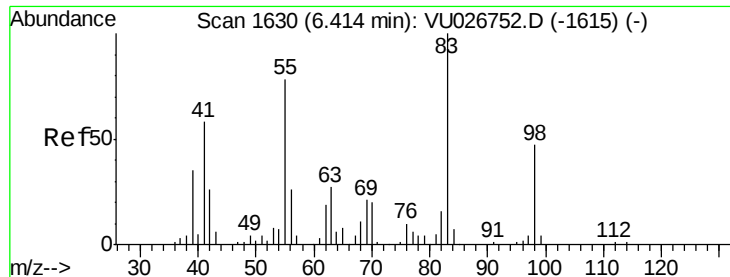


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

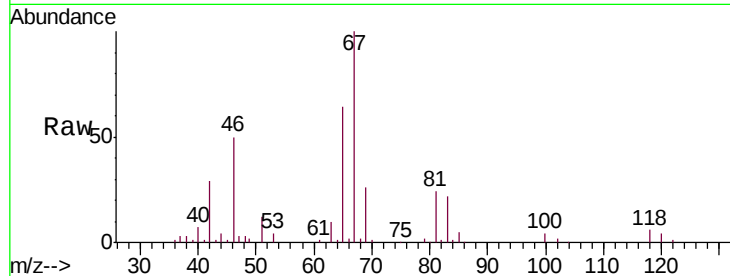
Ion 84.00 (83.70 to 84.70): VU0



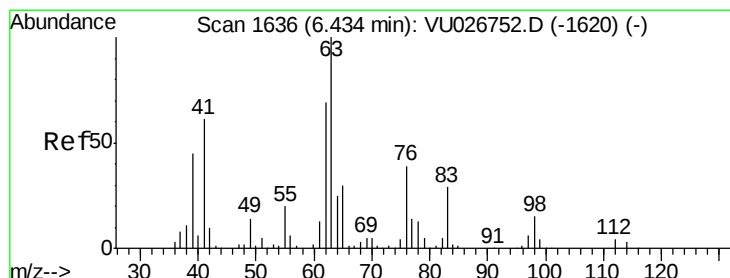
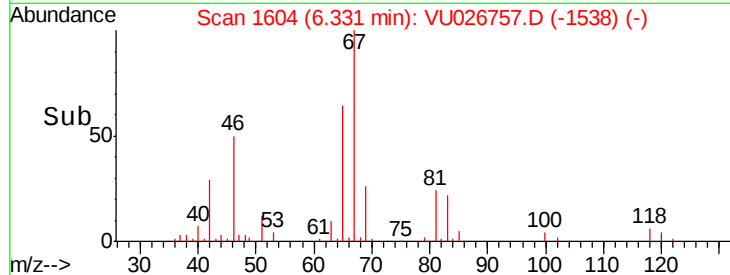
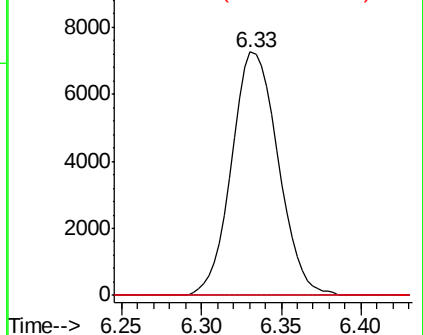


#35
Methylcyclohexane
Concen: 7.817 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026757.D
Acq: 14 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.9	94.3#
98	0.0	37.0	55.4#

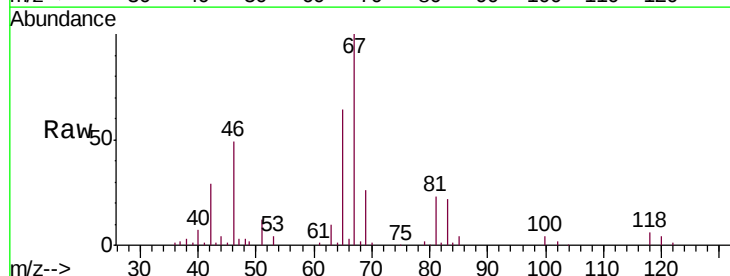


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

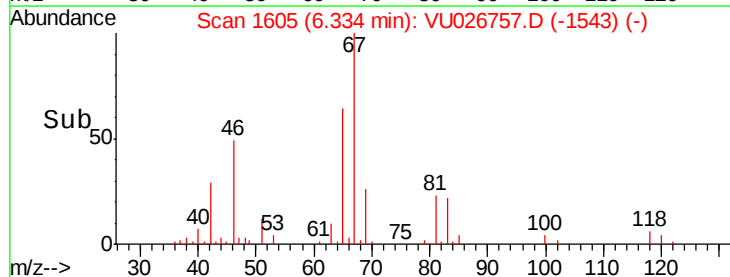
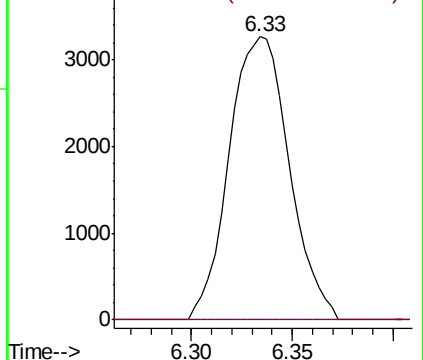


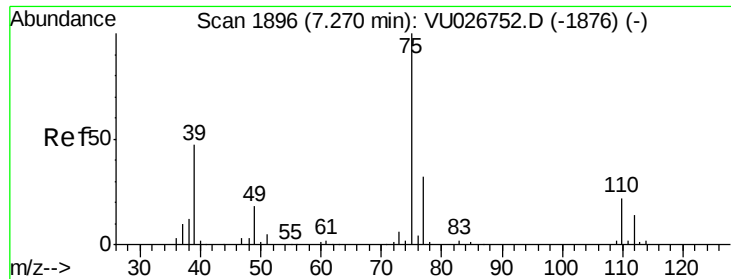
#37
1,2-Dichloropropane
Concen: 5.227 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026757.D
Acq: 14 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.9	4.3#



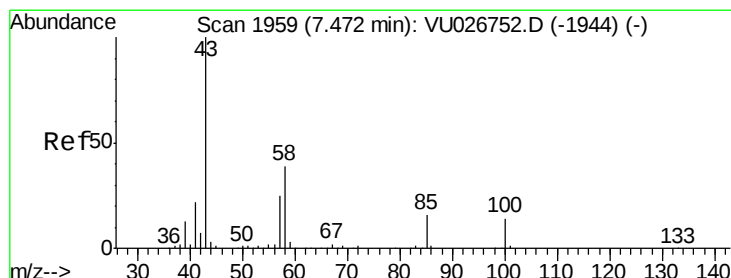
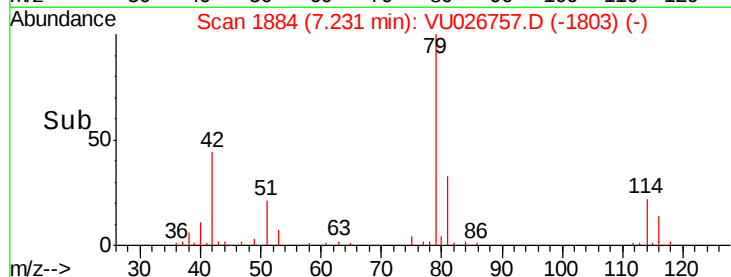
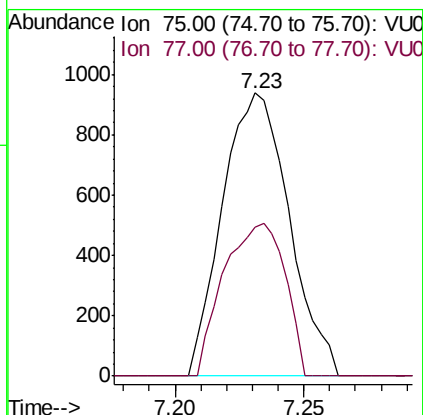
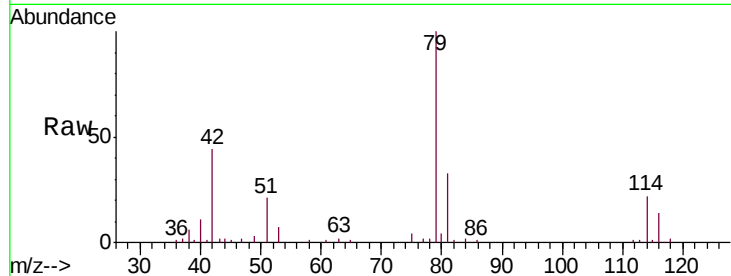
Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





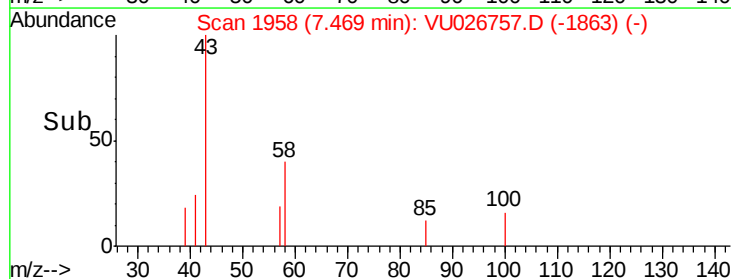
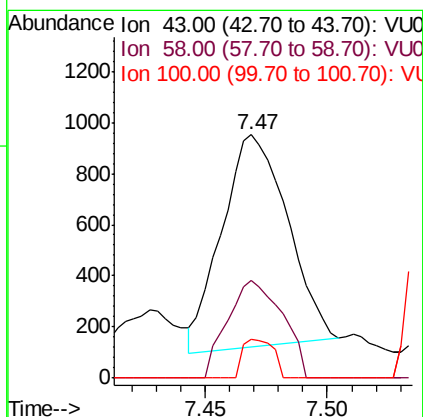
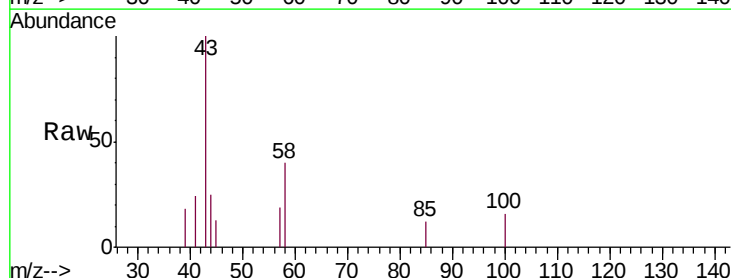
#39
 cis-1,3-Dichloropropene
 Concen: 0.881 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026757.D
 Acq: 14 Sep 2018 11:44

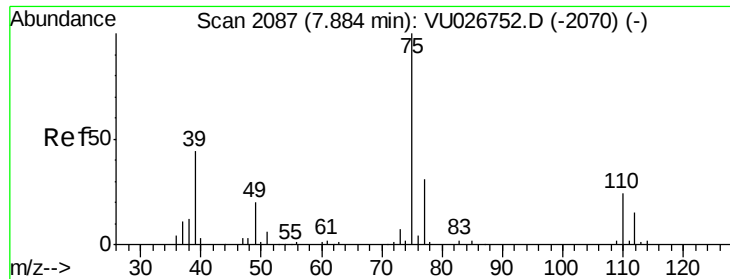
Tgt Ion: 75 Resp: 1695
 Ion Ratio Lower Upper
 75 100
 77 52.9 22.3 41.3#



#40
 4-Methyl-2-pentanone
 Concen: 0.941 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: VU026757.D
 Acq: 14 Sep 2018 11:44

Tgt Ion: 43 Resp: 1561
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.1 46.7
 100 8.3 11.3 16.9#





#44

trans-1,3-Dichloropropene

Concen: 0.711 ug/L

RT: 7.85 min Scan# 2078

Delta R.T. -0.03 min

Lab File: VU026757.D

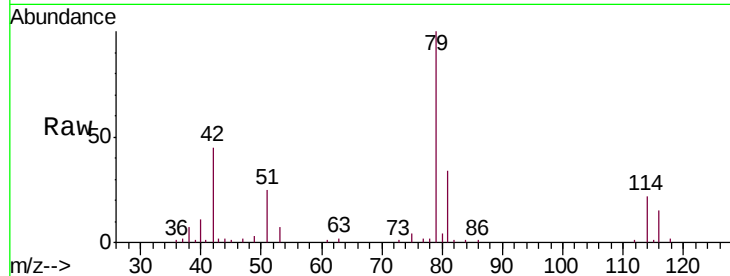
Acq: 14 Sep 2018 11:44

Tgt Ion: 75 Resp: 1272

Ion Ratio Lower Upper

75 100

77 42.3 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.85

800

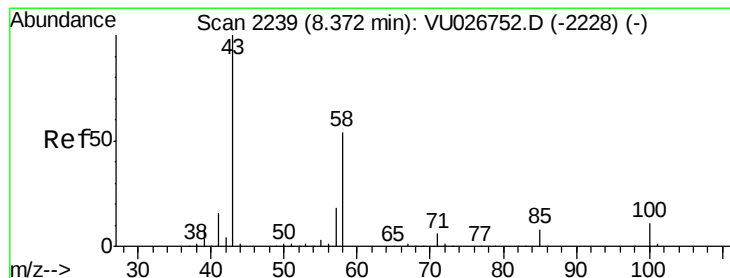
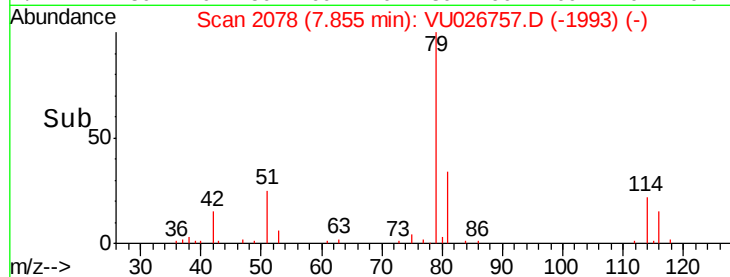
600

400

200

0

Time--> 7.80 7.85 7.90



#48

2-Hexanone

Concen: 2.136 ug/L

RT: 8.37 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

Tgt Ion: 43 Resp: 2991

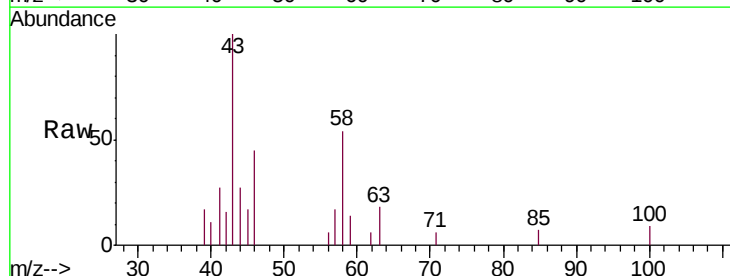
Ion Ratio Lower Upper

43 100

58 60.8 42.2 63.4

57 21.5 14.4 21.6

100 7.4 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

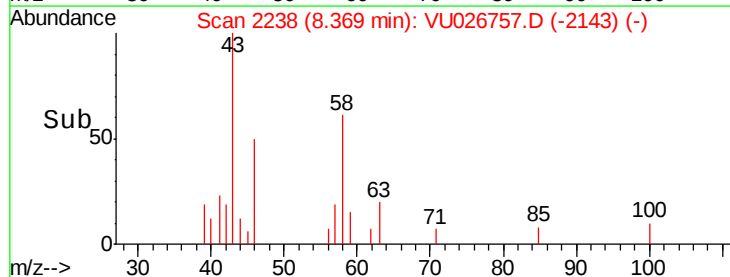
6000

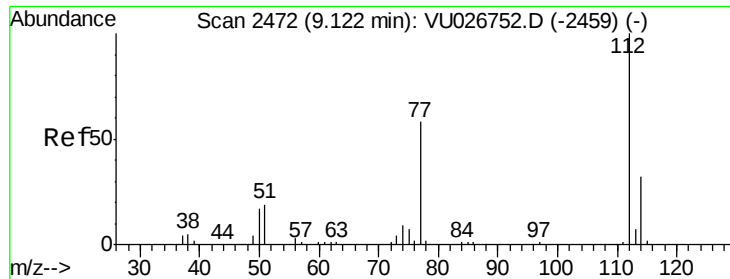
4000

2000

0

Time--> 8.35 8.37 8.40 8.45





#51

Chlorobenzene

Concen: 0.721 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

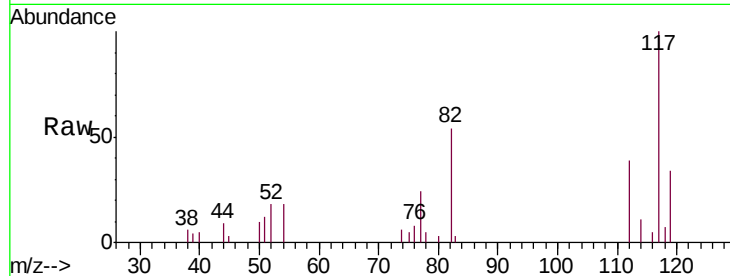
Tgt Ion: 112 Resp: 2285

Ion Ratio Lower Upper

112 100

114 27.9 22.9 42.5

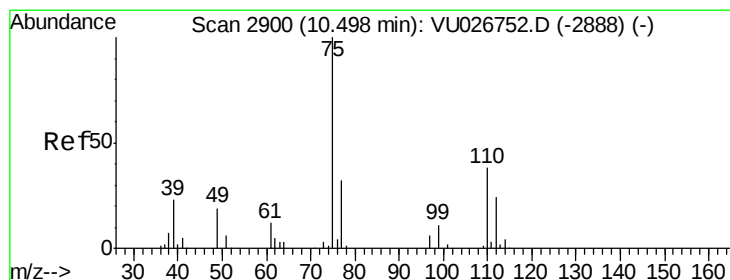
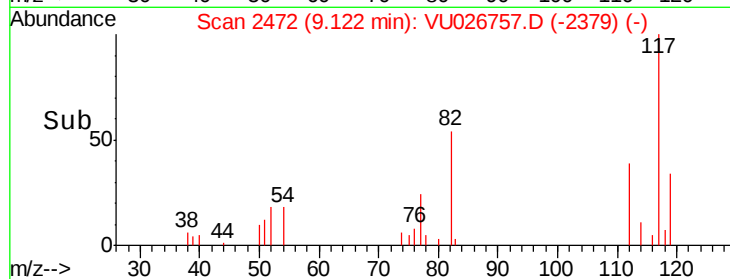
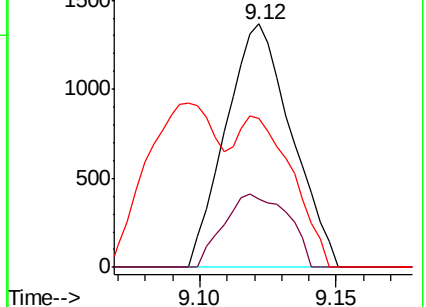
77 61.4 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 6.340 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026757.D

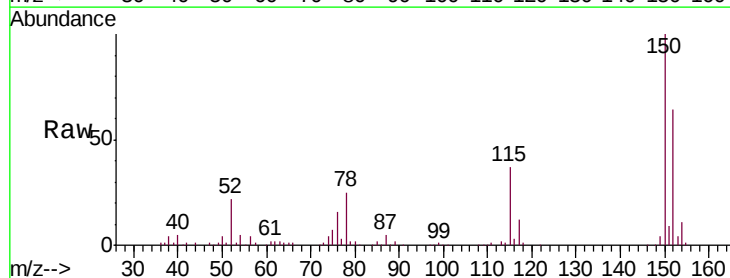
Acq: 14 Sep 2018 11:44

Tgt Ion: 75 Resp: 9753

Ion Ratio Lower Upper

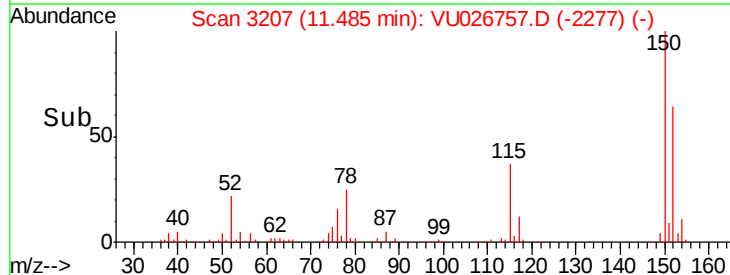
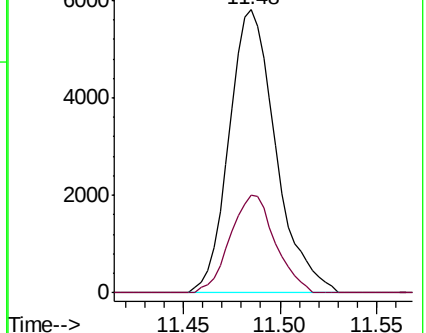
75 100

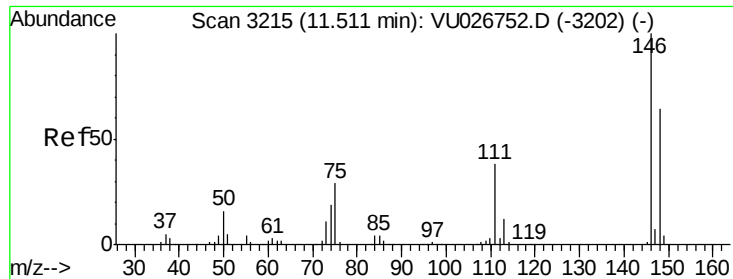
77 33.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 1.350 ug/L

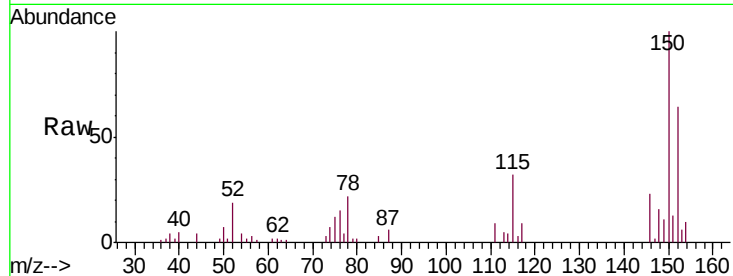
RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

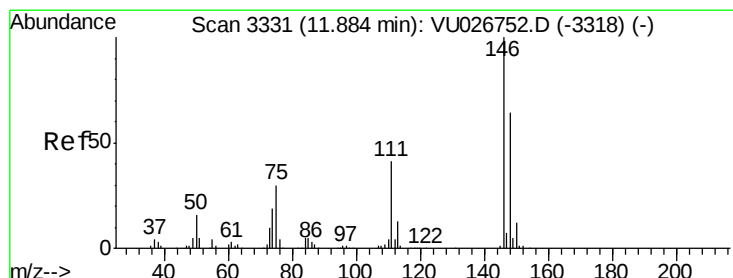
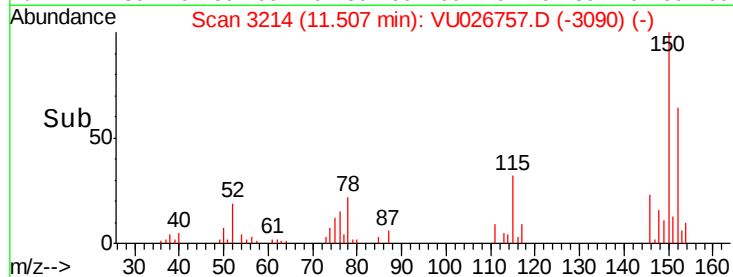
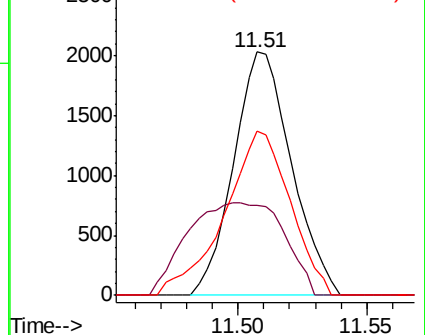
Lab File: VU026757.D

Acq: 14 Sep 2018 11:44

Tgt Ion:	146	Resp:	3179
Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.5	49.3
148	67.4	45.2	84.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.312 ug/L

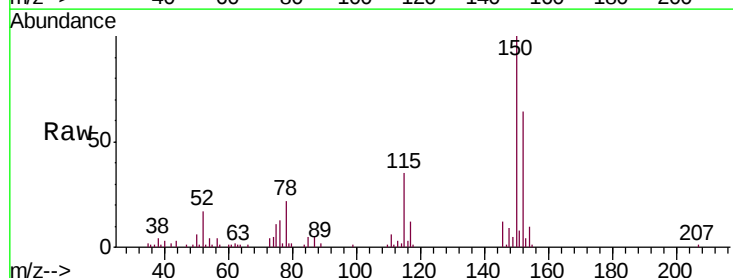
RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

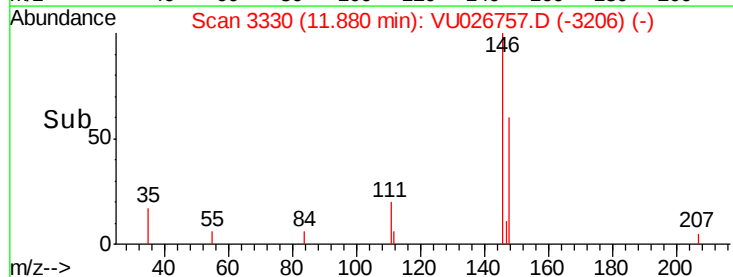
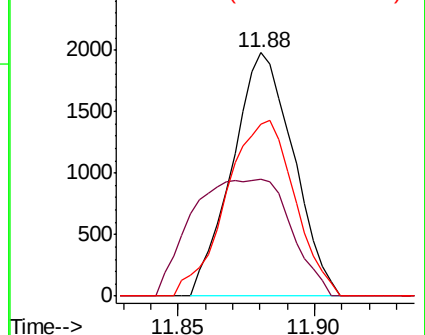
Lab File: VU026757.D

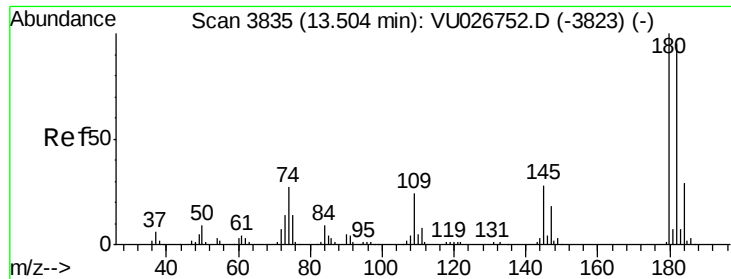
Acq: 14 Sep 2018 11:44

Tgt Ion:	146	Resp:	3080
Ion	Ratio	Lower	Upper
146	100		
111	48.1	32.8	49.2
148	70.9	52.2	78.4



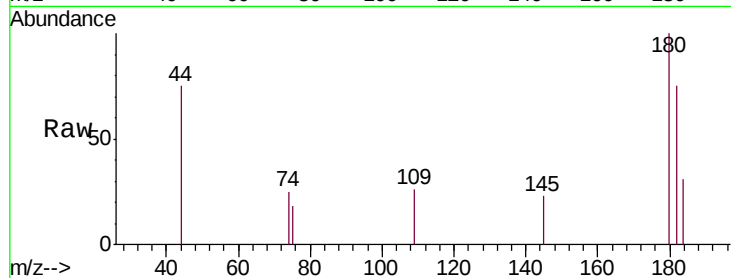
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



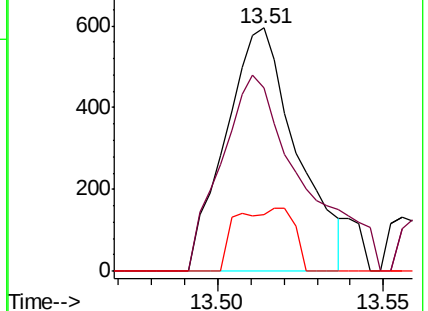
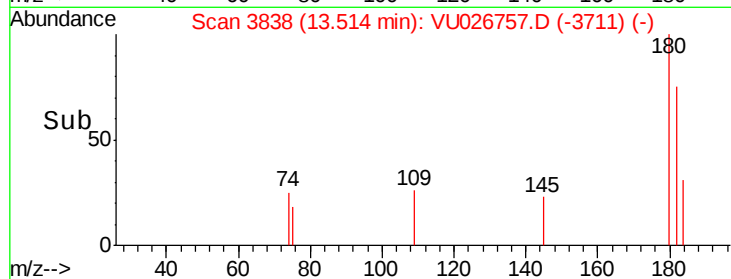


#68
 1,2,4-trichlorobenzene
 Concen: 0.577 ug/L
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU026757.D
 Acq: 14 Sep 2018 11:44

Tgt Ion:180 Resp: 884
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.0 114.0
 145 8.9 23.4 35.0#



Abundance Ion 180.00 (179.70 to 180.70): V
 800 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



Data File : VU026758.D
Acq On : 14 Sep 2018 12:07
Operator : MD/SY
Sample : J4893-12DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 15 00:19:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	168411	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	158530	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68376	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	57074	45.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.96%
7) Chloroethane-d5	1.68	69	46476	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.92%
11) 1,1-Dichloroethene-d2	2.27	63	78247	34.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.68%
21) 2-Butanone-d5	4.18	46	79857	102.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.25%
24) Chloroform-d	4.65	84	91762	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
26) 1,2-Dichloroethane-d4	5.31	65	65217	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
32) Benzene-d6	5.34	84	192950	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
36) 1,2-Dichloropropane-d6	6.33	67	65376	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.96%
41) Toluene-d8	7.57	98	169912	44.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.26%
43) trans-1,3-Dichloropropene-	7.85	79	27763	43.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.74%
47) 2-Hexanone-d5	8.31	63	54695	97.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87018	46.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	66484	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	767	0.742	ug/L #	18
13) Acetone	2.32	43	6809	7.655	ug/L	95
25) Chloroform	4.68	83	3858	1.881	ug/L	96
35) Methylcyclohexane	6.33	83	14930	8.453	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6970	5.620	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1623	0.884	ug/L #	64
44) trans-1,3-Dichloropropene	7.85	75	1142	0.669	ug/L	89
51) Chlorobenzene	9.12	112	70929	23.477	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	1134	0.773	ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	3852	1.962	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	16832	8.093	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	157812	76.055	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	14118	9.066	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	14118	10.430	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	2630	1.794	ug/L	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026758.D
Acq On : 14 Sep 2018 12:07
Operator : MD/SY
Sample : J4893-12DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

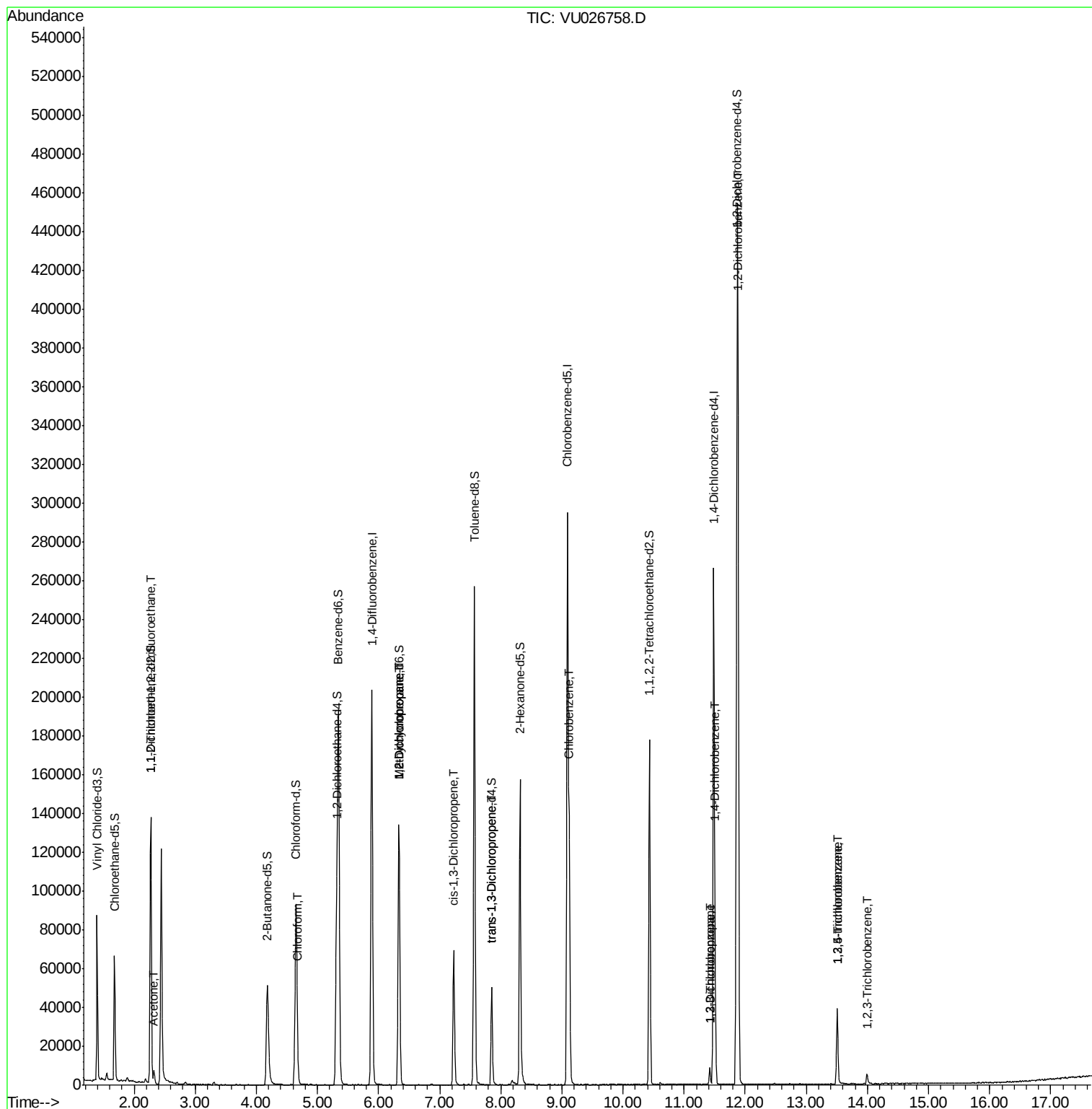
Quant Time: Sep 15 00:19:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

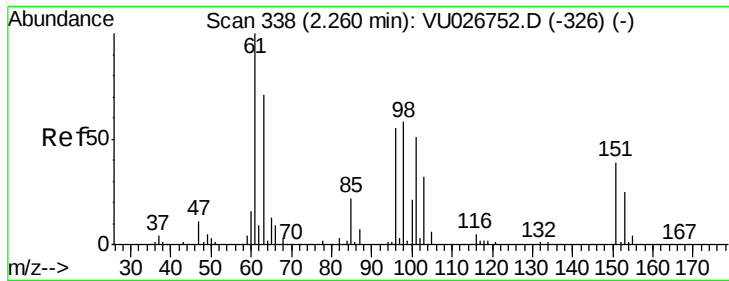
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data File : VU026758.D
Acq On : 14 Sep 2018 12:07
Operator : MD/SY
Sample : J4893-12DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 15 00:19:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.742 ug/L

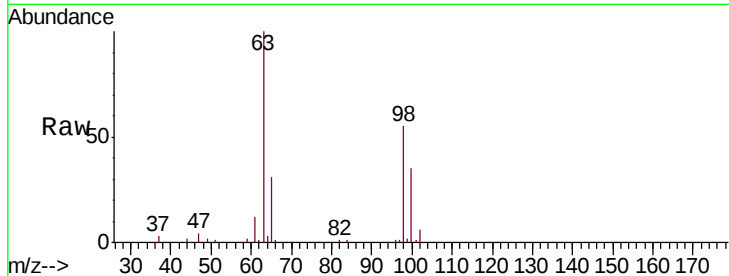
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026758.D

Acq: 14 Sep 2018 12:07

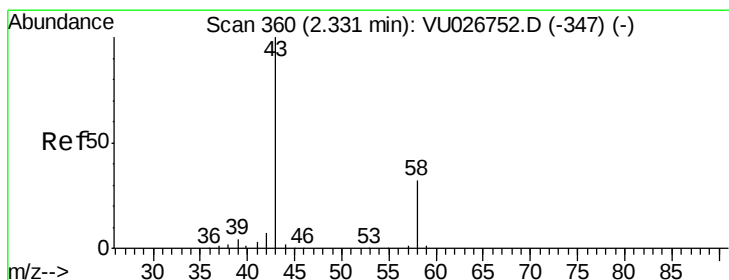
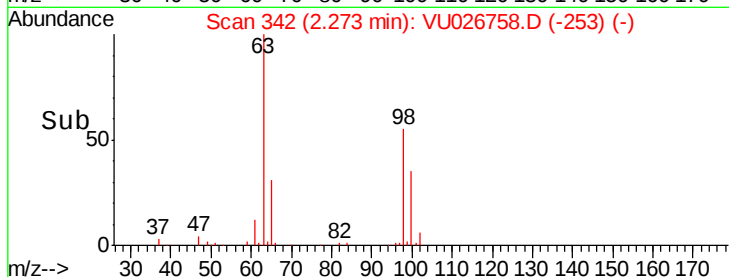
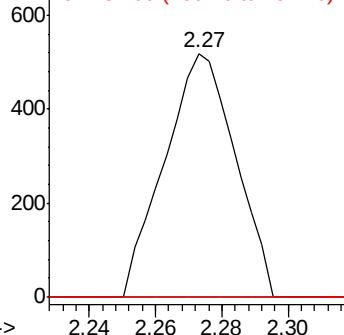
Tgt Ion:	101	Resp:	767
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 7.655 ug/L

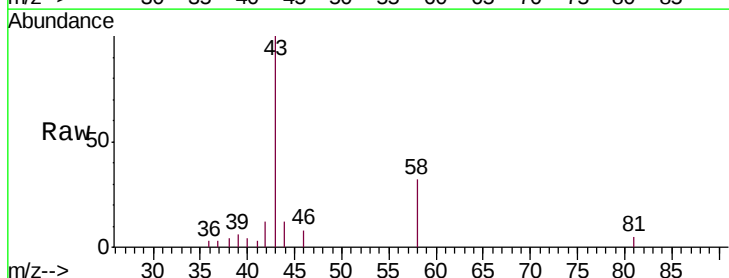
RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026758.D

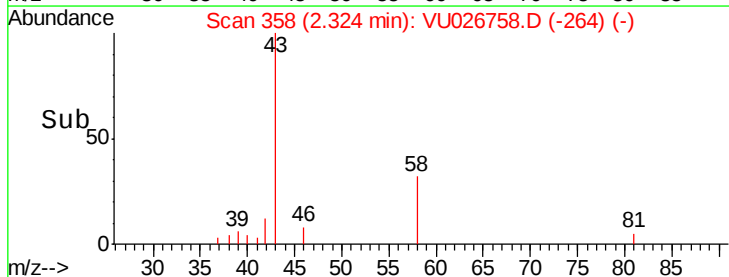
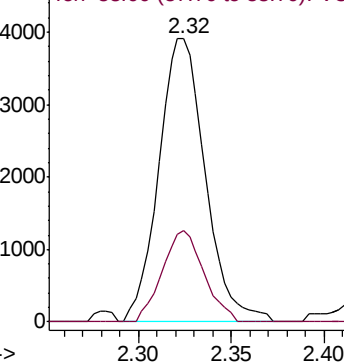
Acq: 14 Sep 2018 12:07

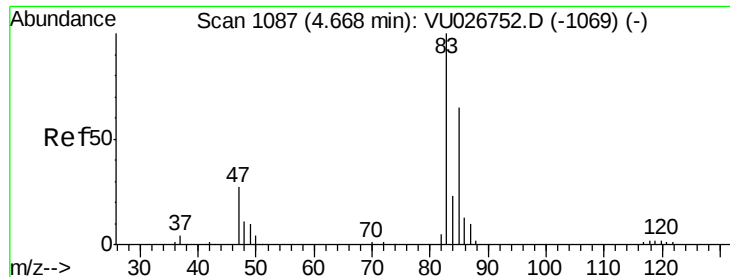
Tgt Ion:	43	Resp:	6809
Ion	Ratio	Lower	Upper
43	100		
58	28.9	0.0	62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#25

Chloroform

Concen: 1.881 ug/L

RT: 4.68 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VU026758.D

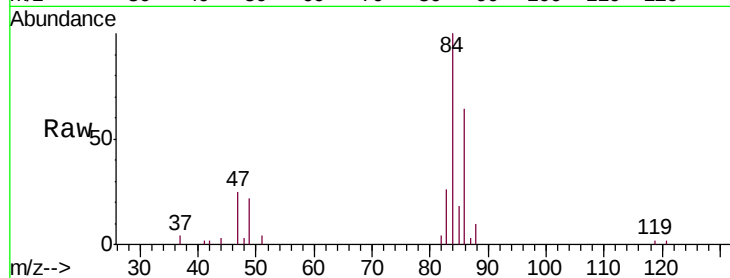
Acq: 14 Sep 2018 12:07

Tgt Ion: 83 Resp: 3858

Ion Ratio Lower Upper

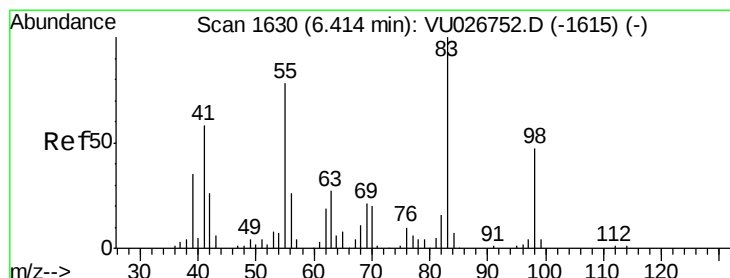
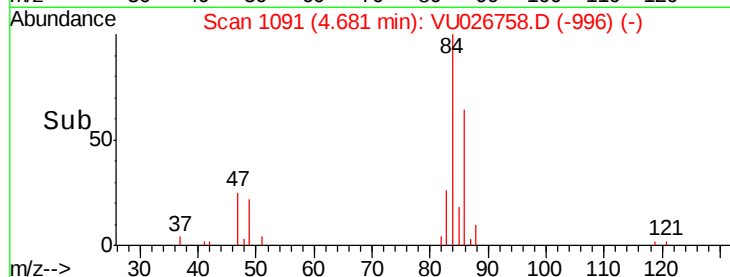
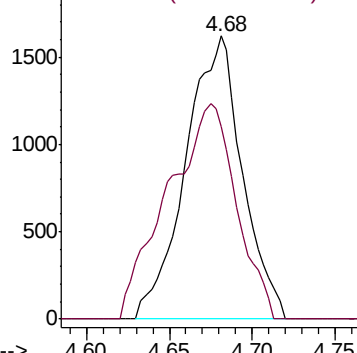
83 100

85 68.1 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 8.453 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026758.D

Acq: 14 Sep 2018 12:07

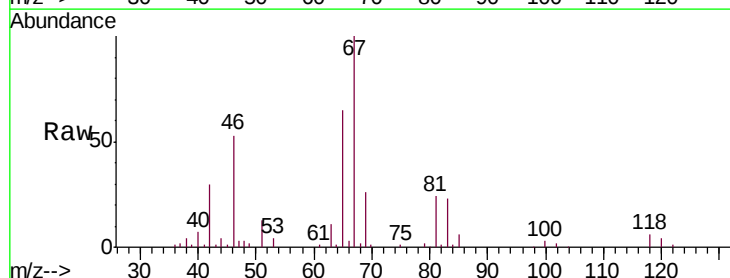
Tgt Ion: 83 Resp: 14930

Ion Ratio Lower Upper

83 100

55 0.0 62.9 94.3#

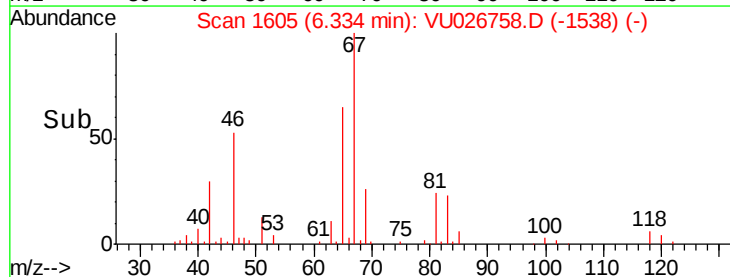
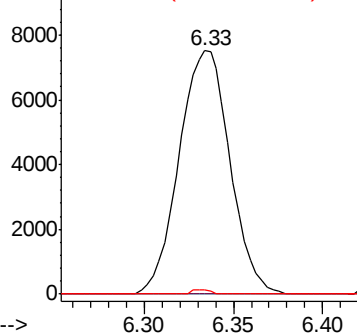
98 0.5 37.0 55.4#

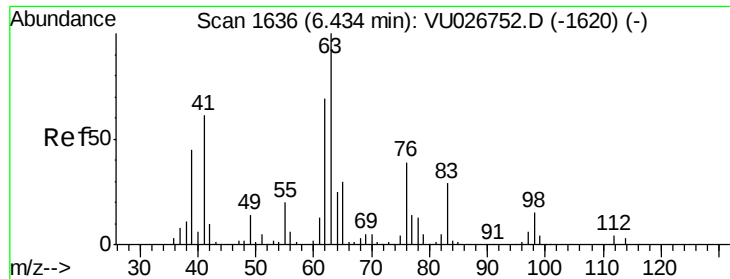


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

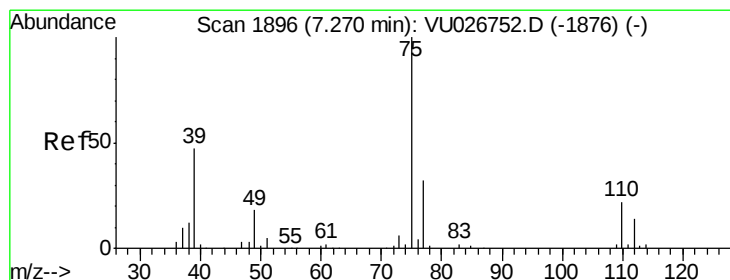
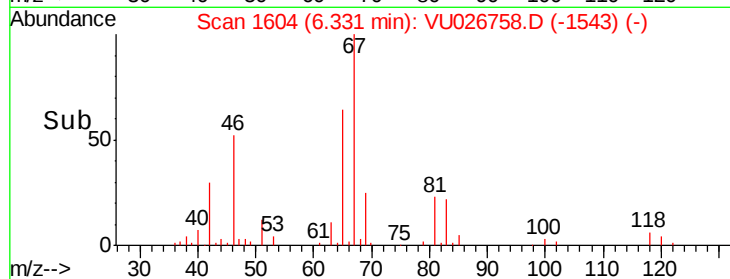
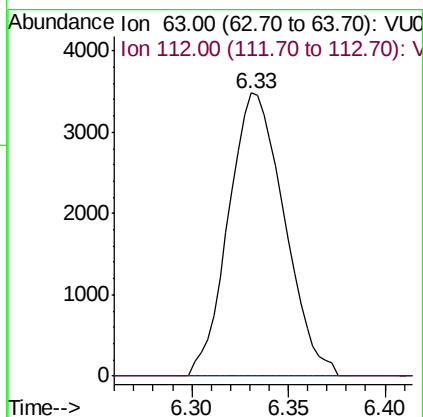
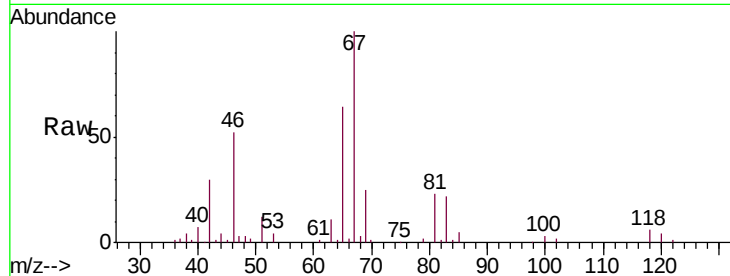
Ion 98.00 (97.70 to 98.70): VU0





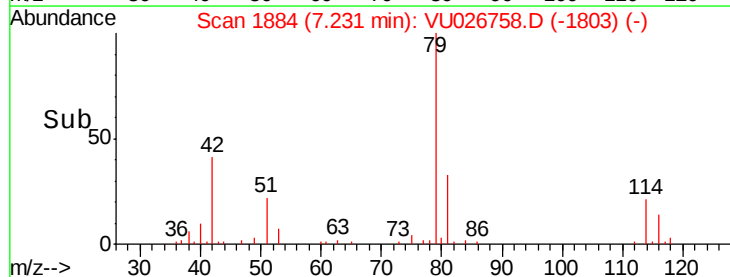
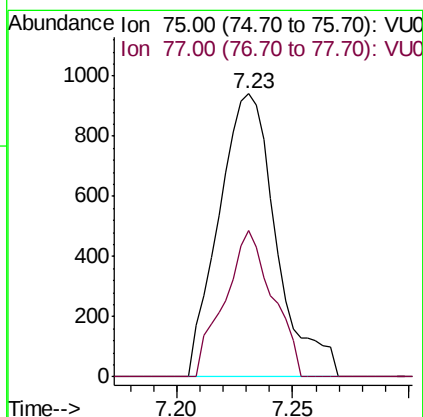
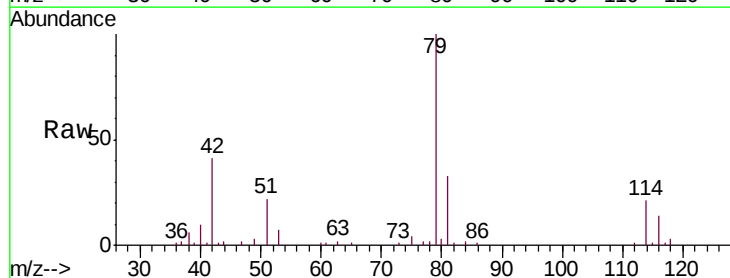
#37
 1,2-Dichloropropane
 Concen: 5.620 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026758.D
 Acq: 14 Sep 2018 12:07

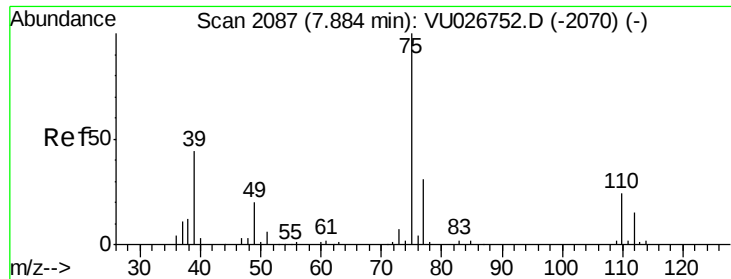
Tgt Ion: 63 Resp: 6970
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.884 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026758.D
 Acq: 14 Sep 2018 12:07

Tgt Ion: 75 Resp: 1623
 Ion Ratio Lower Upper
 75 100
 77 51.6 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.669 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU026758.D

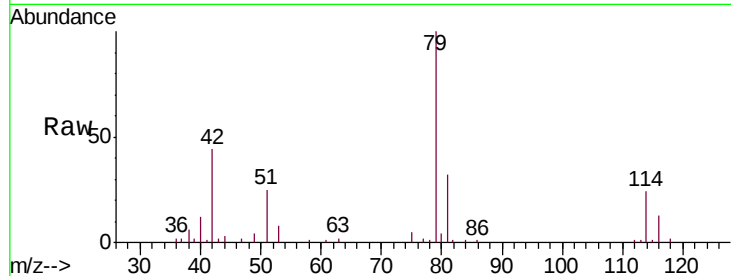
Acq: 14 Sep 2018 12:07

Tgt Ion: 75 Resp: 1142

Ion Ratio Lower Upper

75 100

77 38.0 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.85

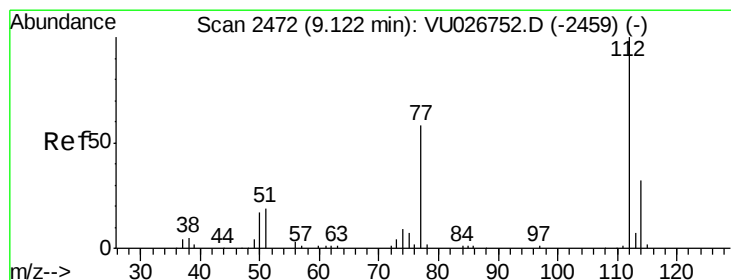
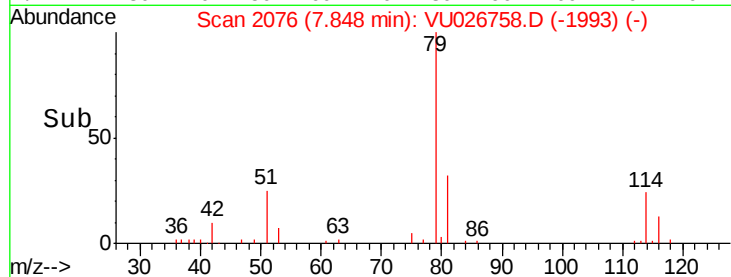
600

400

200

0

Time-->



#51

Chlorobenzene

Concen: 23.477 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026758.D

Acq: 14 Sep 2018 12:07

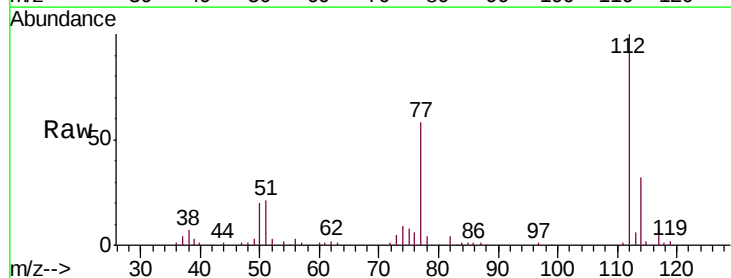
Tgt Ion: 112 Resp: 70929

Ion Ratio Lower Upper

112 100

114 32.2 22.9 42.5

77 57.8 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

9.12

40000

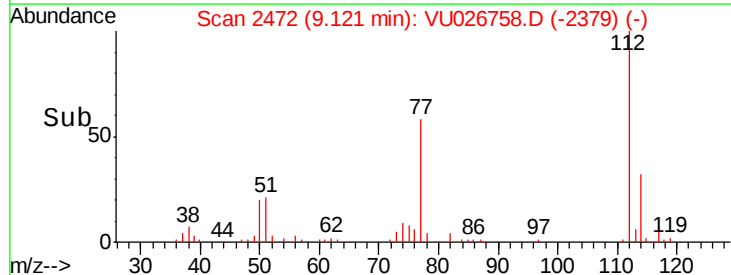
30000

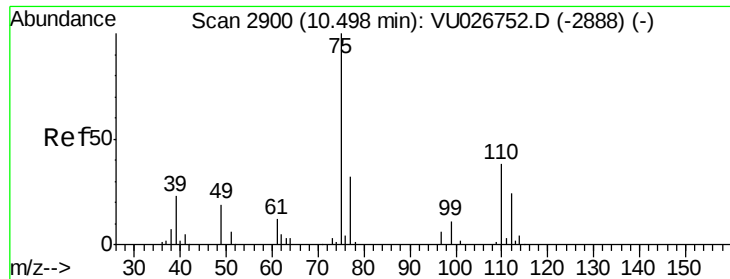
20000

10000

0

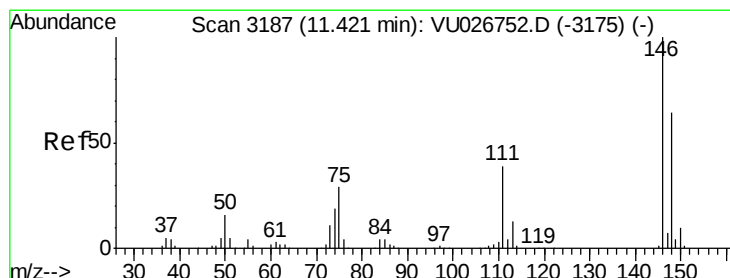
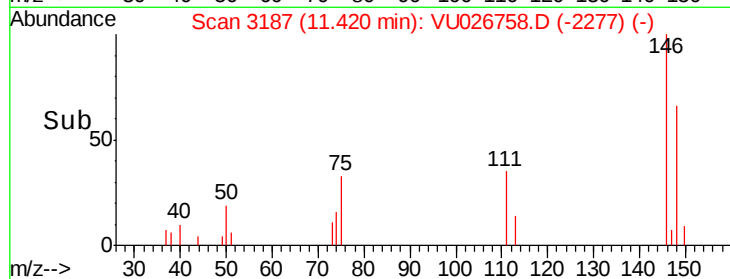
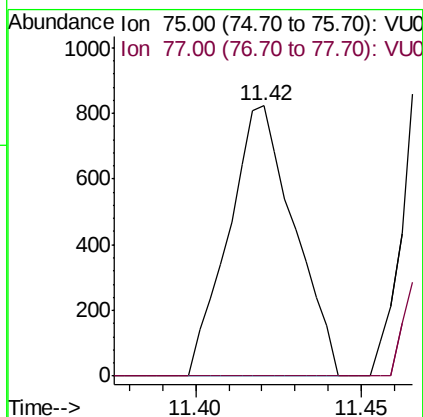
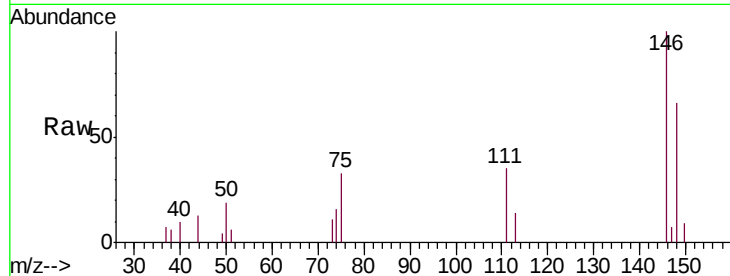
Time-->





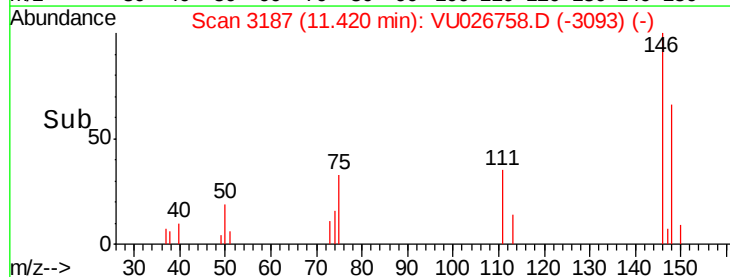
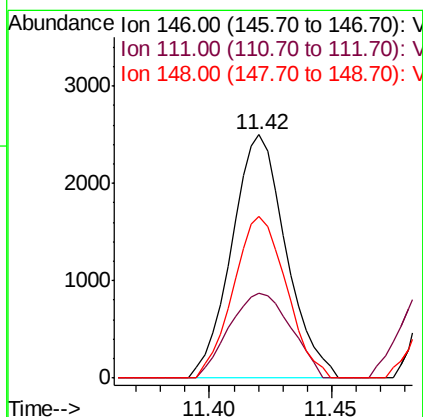
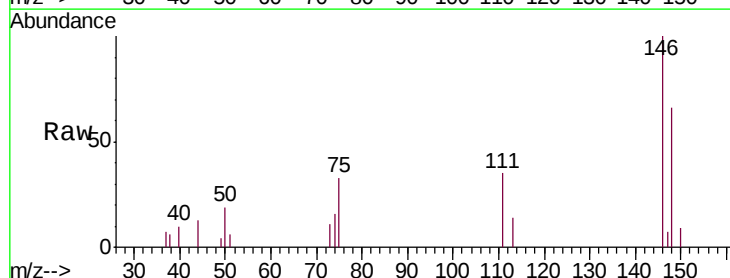
#59
 1,2,3-Trichloropropane
 Concen: 0.773 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.93 min
 Lab File: VU026758.D
 Acq: 14 Sep 2018 12:07

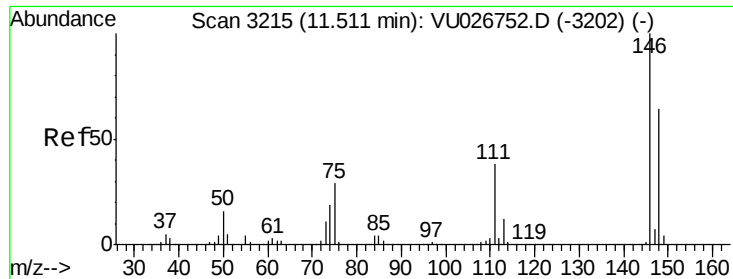
Tgt Ion: 75 Resp: 1134
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#62
 1,3-Dichlorobenzene
 Concen: 1.962 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026758.D
 Acq: 14 Sep 2018 12:07

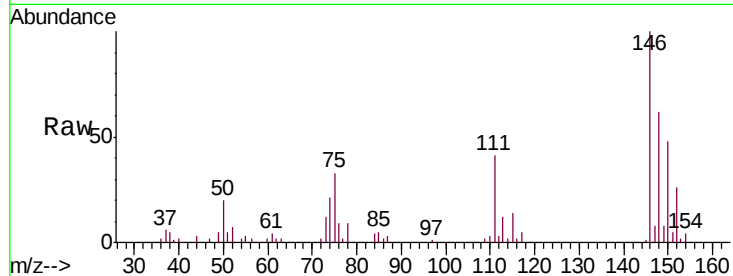
Tgt Ion: 146 Resp: 3852
 Ion Ratio Lower Upper
 146 100
 111 34.7 26.7 49.5
 148 66.3 44.2 82.2



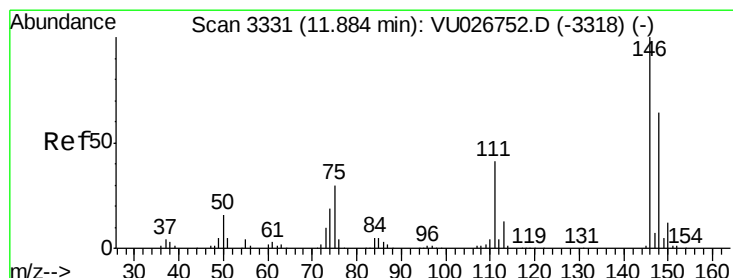
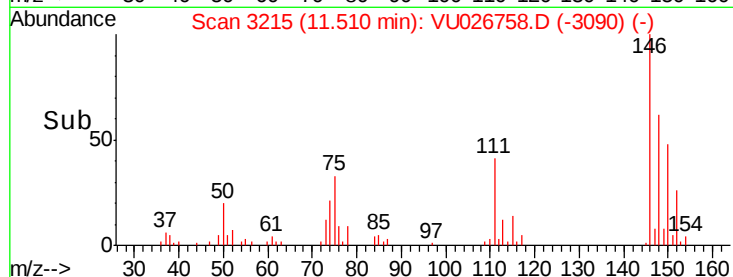
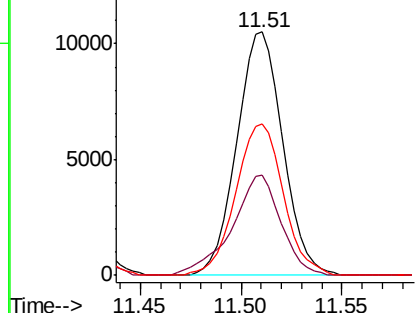


#63
 1,4-Dichlorobenzene
 Concen: 8.093 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026758.D
 Acq: 14 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	26.5	49.3
148	62.4	45.2	84.0

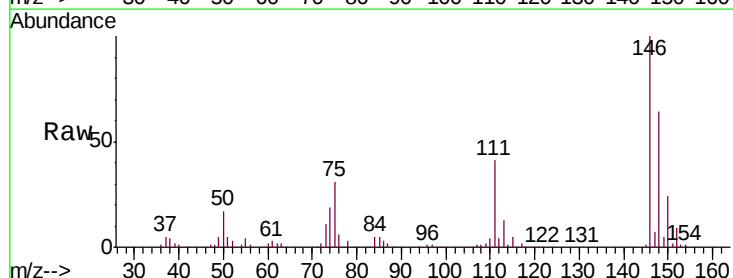


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

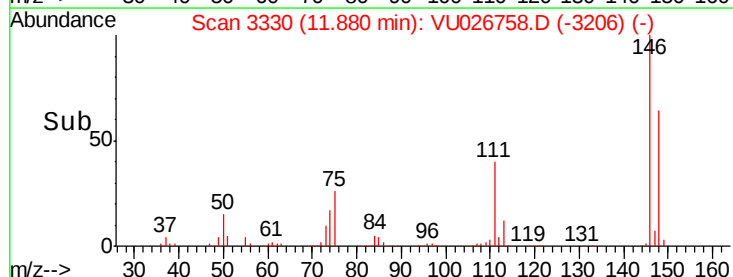
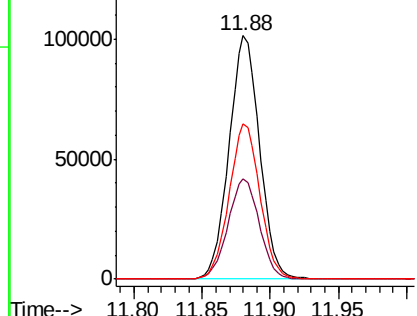


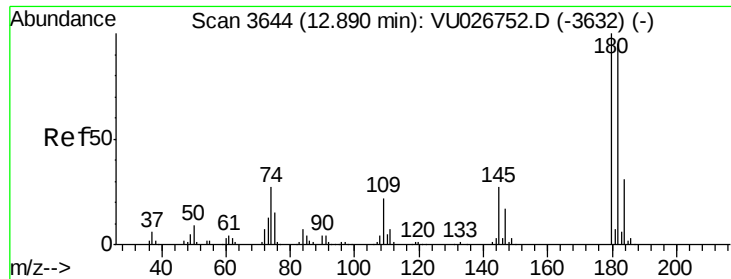
#65
 1,2-Dichlorobenzene
 Concen: 76.055 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026758.D
 Acq: 14 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	32.8	49.2
148	64.0	52.2	78.4



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#67

1,3,5-Trichlorobenzene

Concen: 9.066 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.62 min

Lab File: VU026758.D

Acq: 14 Sep 2018 12:07

Tgt Ion:180 Resp: 14118

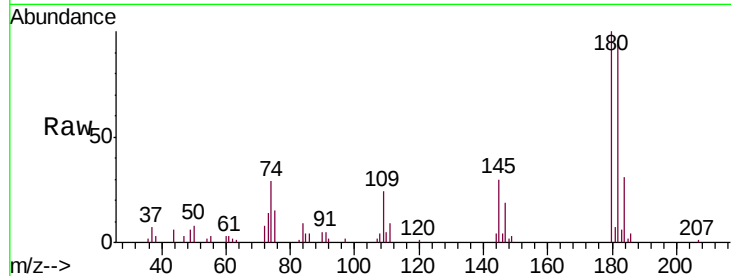
Ion Ratio Lower Upper

180 100

182 97.3 76.8 115.2

184 30.3 24.2 36.2

145 28.2 21.4 32.2

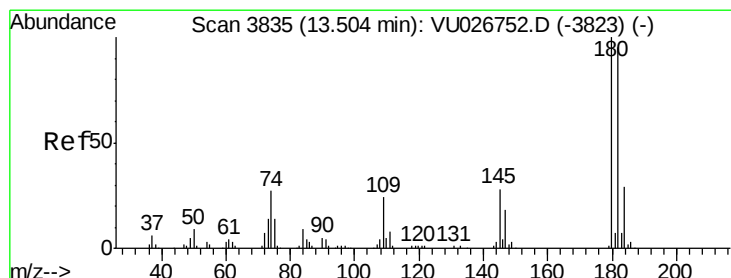
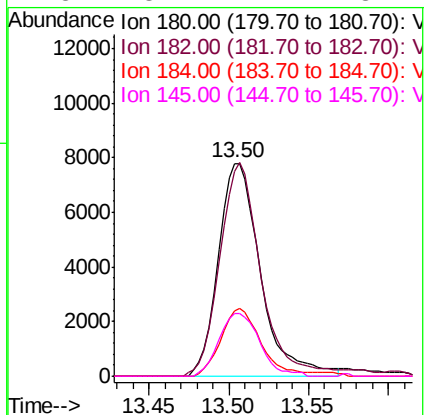
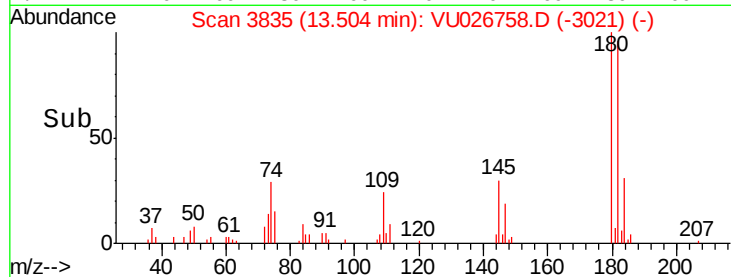


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 10.430 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. -0.00 min

Lab File: VU026758.D

Acq: 14 Sep 2018 12:07

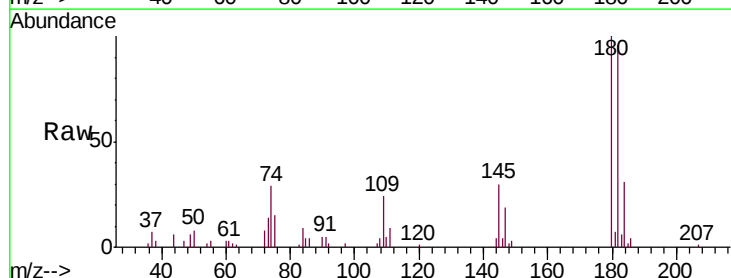
Tgt Ion:180 Resp: 14118

Ion Ratio Lower Upper

180 100

182 97.3 76.0 114.0

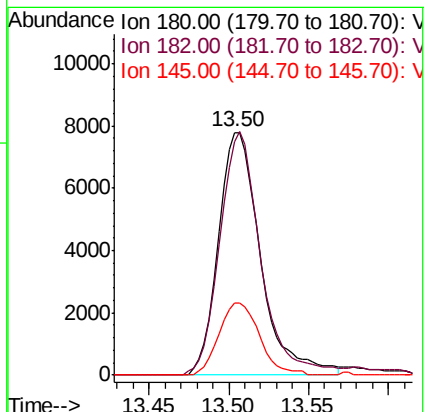
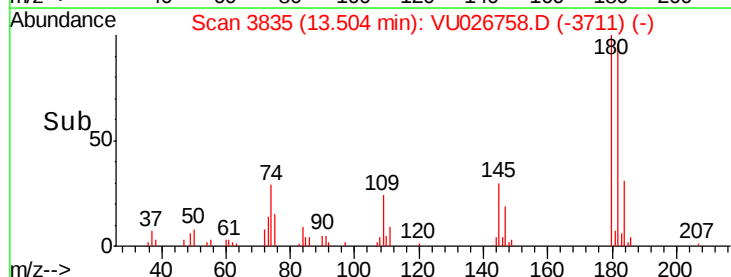
145 28.2 23.4 35.0

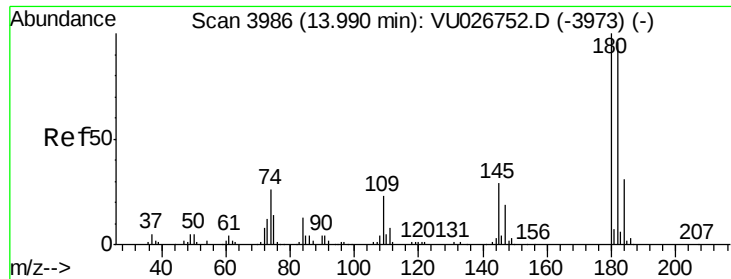


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

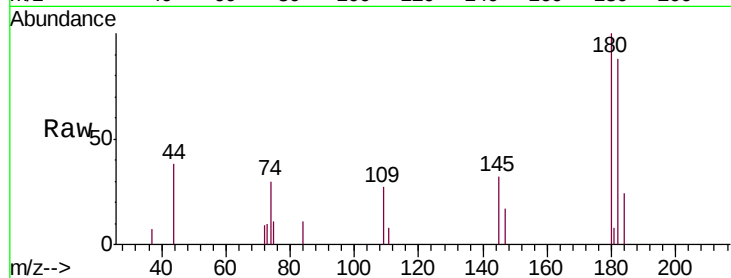
Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.794 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026758.D
 Acq: 14 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.3	76.7	115.1
145	24.1	23.0	34.6

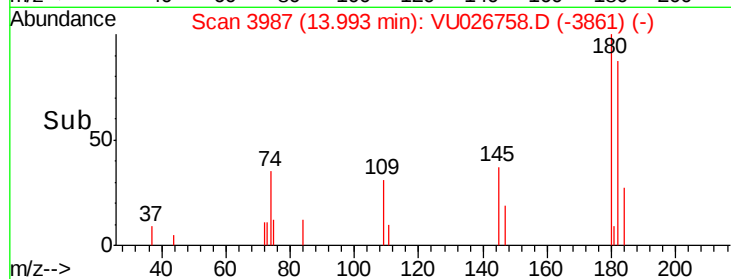
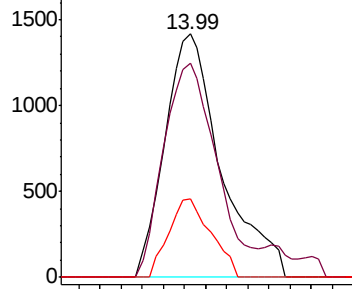


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Data File : VU026759.D
Acq On : 14 Sep 2018 12:30
Operator : MD/SY
Sample : J4893-13DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 15 00:19:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	166717	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	155051	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	66536	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56280	45.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.60%
7) Chloroethane-d5	1.68	69	45914	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.72%
11) 1,1-Dichloroethene-d2	2.27	63	79633	35.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.64%
21) 2-Butanone-d5	4.18	46	79638	103.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.01%
24) Chloroform-d	4.65	84	93428	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.46%
26) 1,2-Dichloroethane-d4	5.31	65	64496	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.40%
32) Benzene-d6	5.34	84	191792	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
36) 1,2-Dichloropropane-d6	6.33	67	67482	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.22%
41) Toluene-d8	7.57	98	169975	45.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.28%
43) trans-1,3-Dichloropropene-	7.85	79	27534	43.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.96%
47) 2-Hexanone-d5	8.31	63	53906	98.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.11%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	86752	47.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	64712	48.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.58%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	685	0.669 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	542	0.551 ug/L #	1
13) Acetone	2.32	43	1467	1.666 ug/L	91
25) Chloroform	4.68	83	2730	1.345 ug/L	93
35) Methylcyclohexane	6.33	83	14864	8.604 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6957	5.735 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1616	0.900 ug/L #	68
44) trans-1,3-Dichloropropene	7.85	75	1213	0.726 ug/L #	63
51) Chlorobenzene	9.12	112	49193	16.648 ug/L	99
59) 1,2,3-Trichloropropane	11.49	75	11434	7.967 ug/L	89
62) 1,3-Dichlorobenzene	11.42	146	2595	1.358 ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	11678	5.770 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	113001	55.965 ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	11931	7.873 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	11931	9.058 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	2153	1.509 ug/L	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026759.D
Acq On : 14 Sep 2018 12:30
Operator : MD/SY
Sample : J4893-13DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

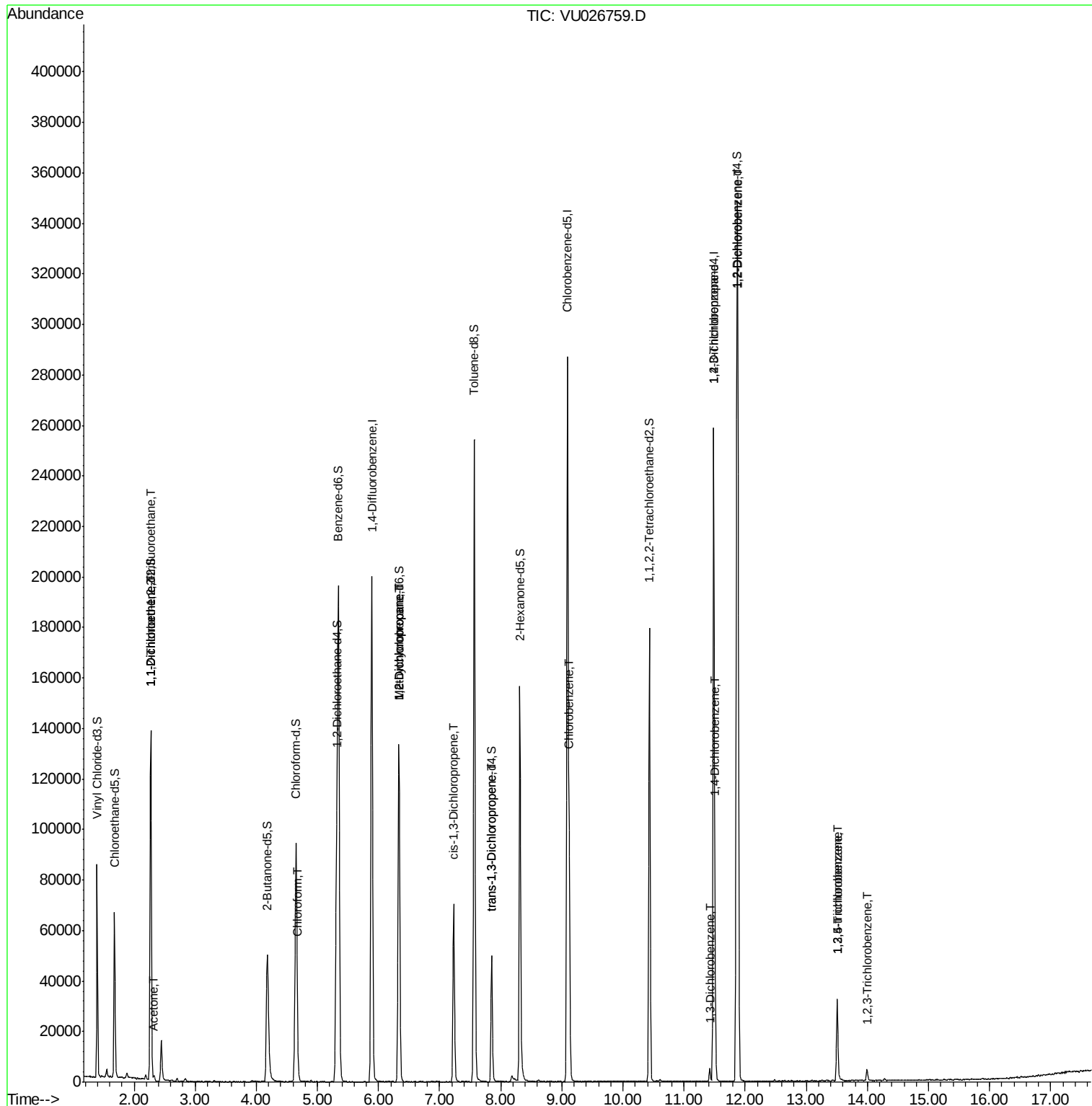
Quant Time: Sep 15 00:19:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

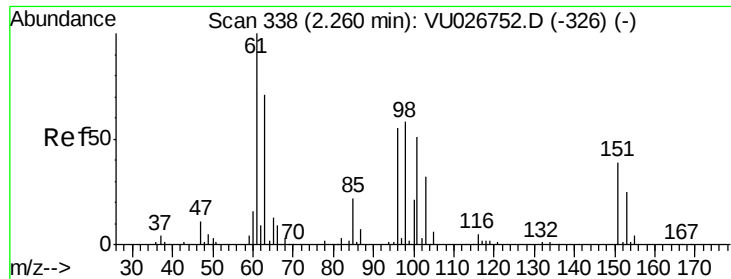
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026759.D
Acq On : 14 Sep 2018 12:30
Operator : MD/SY
Sample : J4893-13DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 15 00:19:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.669 ug/L

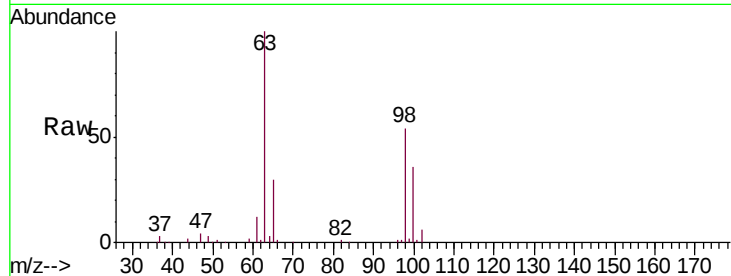
RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU026759.D

Acq: 14 Sep 2018 12:30

Tgt Ion:	101	Resp:	685
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



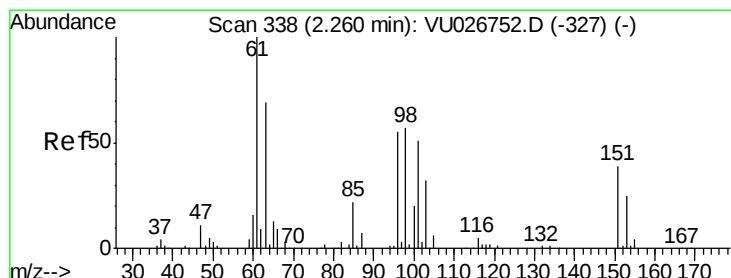
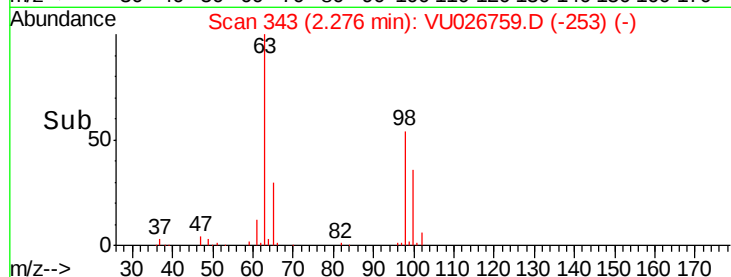
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.28

Time-->



#12

1,1-Dichloroethene

Concen: 0.551 ug/L

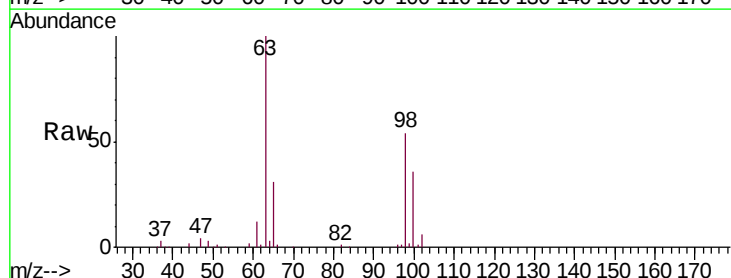
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026759.D

Acq: 14 Sep 2018 12:30

Tgt Ion:	96	Resp:	542
Ion	Ratio	Lower	Upper
96	100		
61	1521.0	121.0	224.8#
63	13013.9	89.9	166.9#



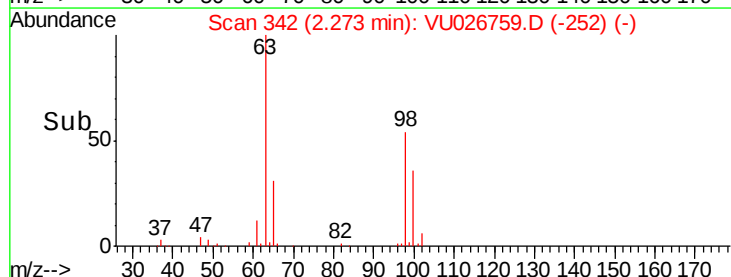
Abundance Ion 96.00 (95.70 to 96.70): VU0

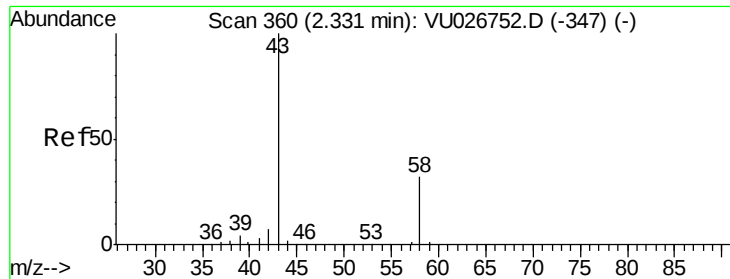
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.27

Time-->





#13

Acetone

Concen: 1.666 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026759.D

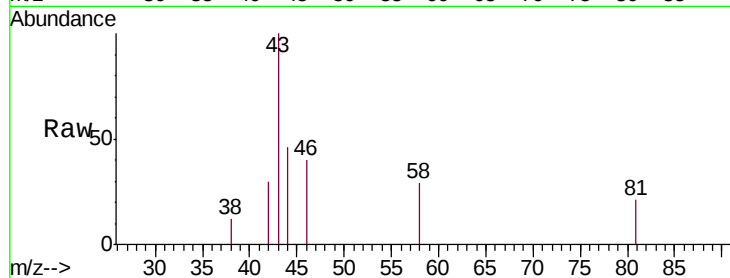
Acq: 14 Sep 2018 12:30

Tgt Ion: 43 Resp: 1467

Ion Ratio Lower Upper

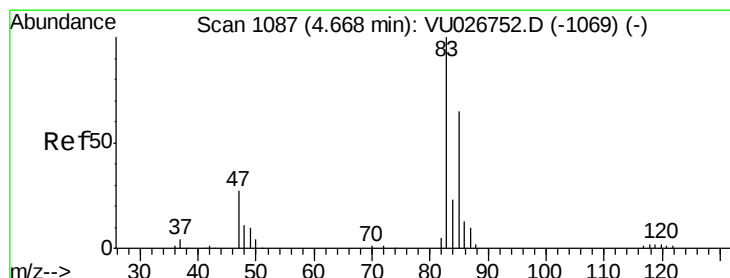
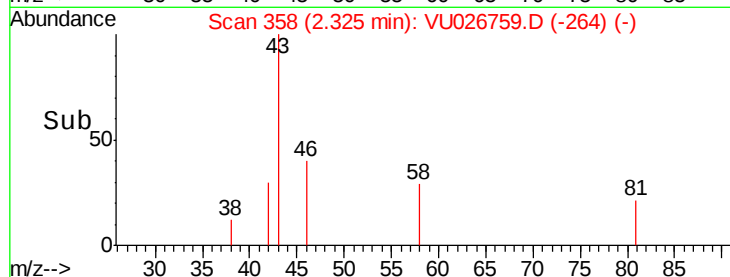
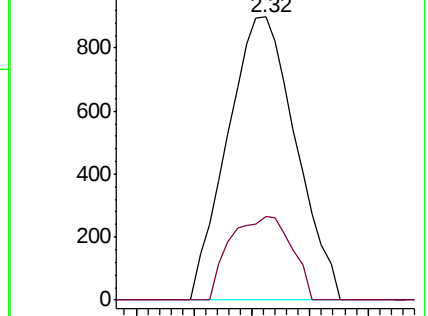
43 100

58 26.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 1.345 ug/L

RT: 4.68 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VU026759.D

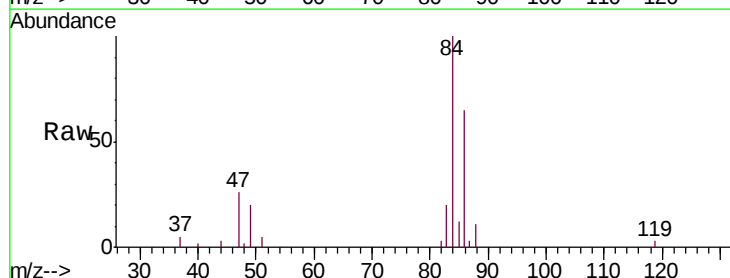
Acq: 14 Sep 2018 12:30

Tgt Ion: 83 Resp: 2730

Ion Ratio Lower Upper

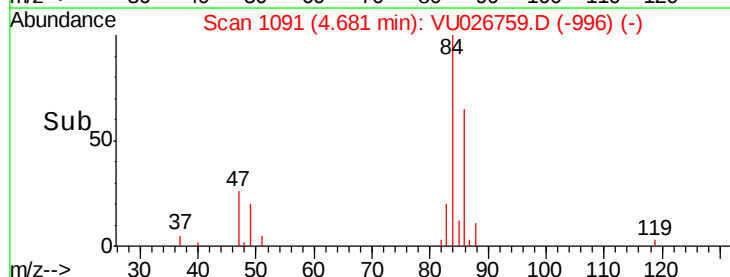
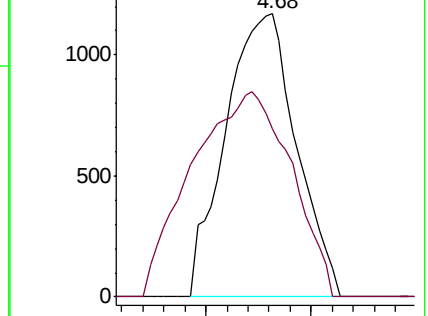
83 100

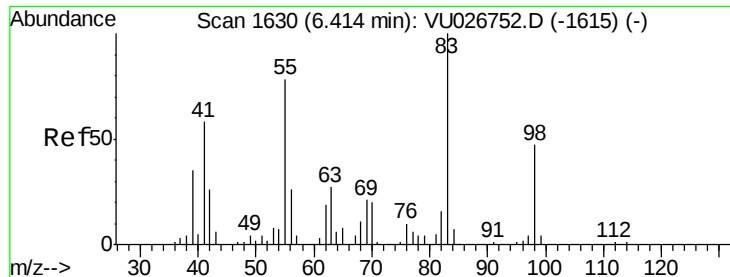
85 59.2 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#35

Methylcyclohexane

Concen: 8.604 ug/L

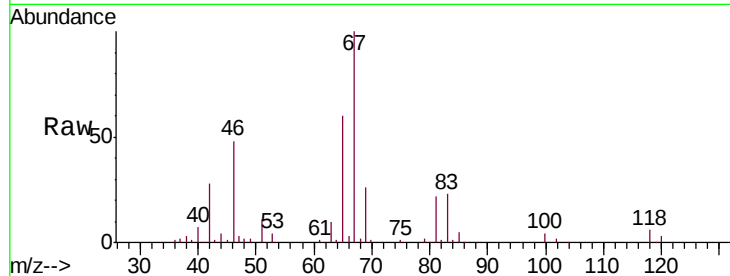
RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026759.D

Acq: 14 Sep 2018 12:30

Tgt Ion:	83	Resp:	14864
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.9	94.3#
98	0.7	37.0	55.4#

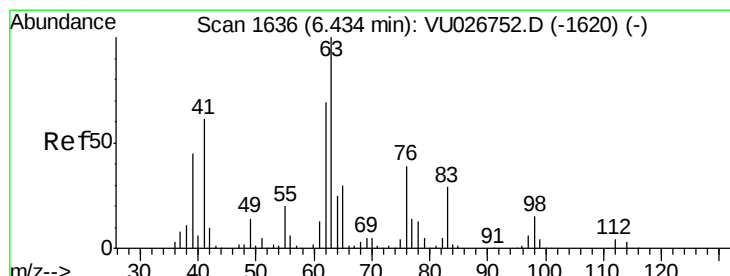
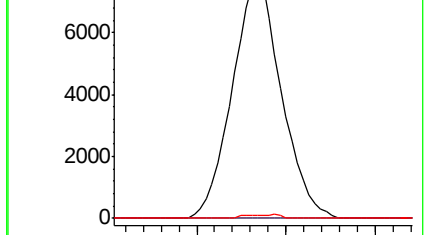
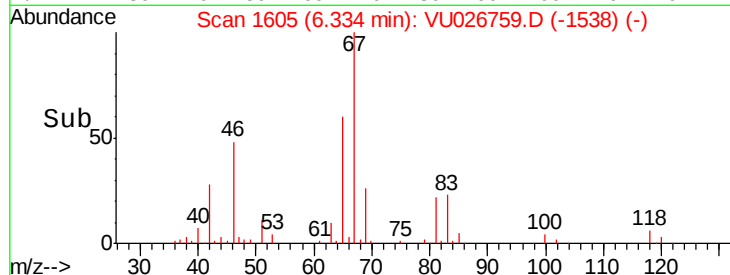


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Time-->



#37

1,2-Dichloropropane

Concen: 5.735 ug/L

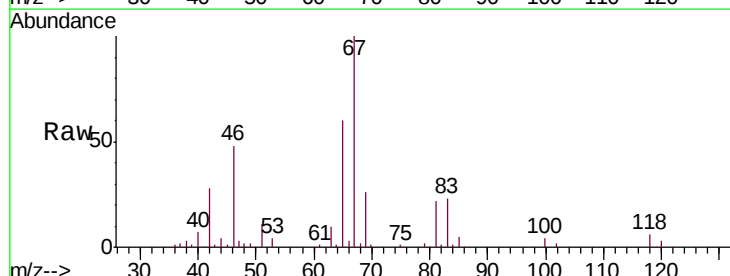
RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026759.D

Acq: 14 Sep 2018 12:30

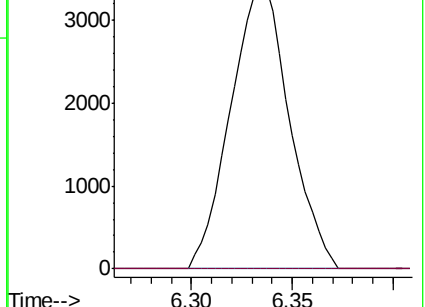
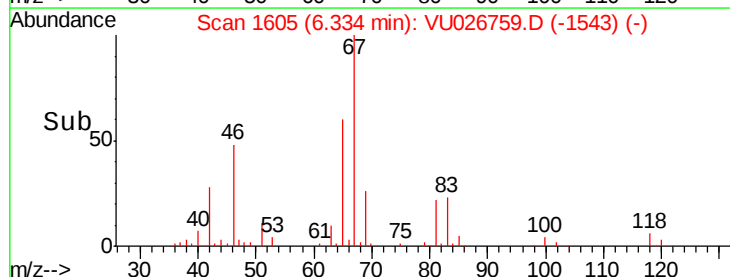
Tgt Ion:	63	Resp:	6957
Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.9	4.3#

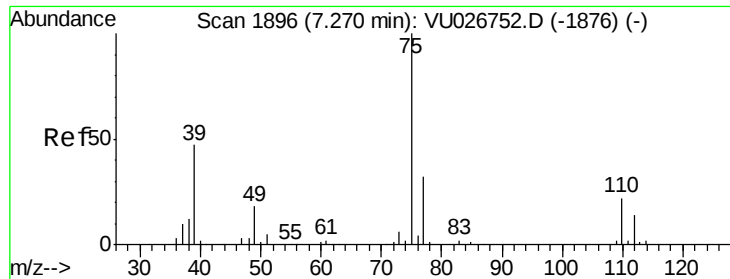


Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.900 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU026759.D

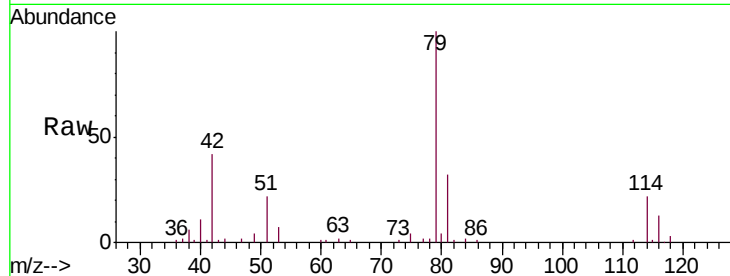
Acq: 14 Sep 2018 12:30

Tgt Ion: 75 Resp: 1616

Ion Ratio Lower Upper

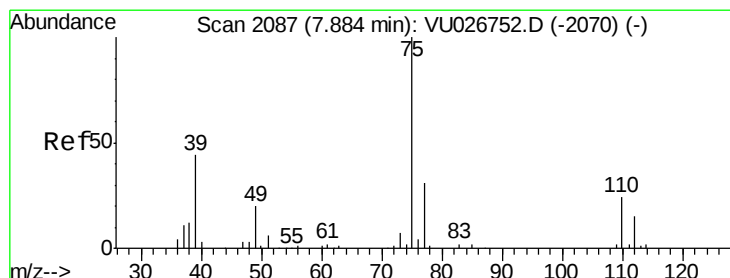
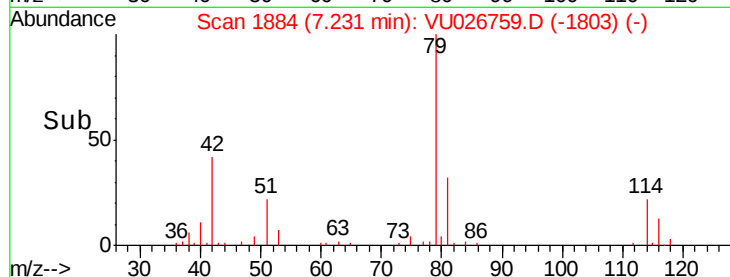
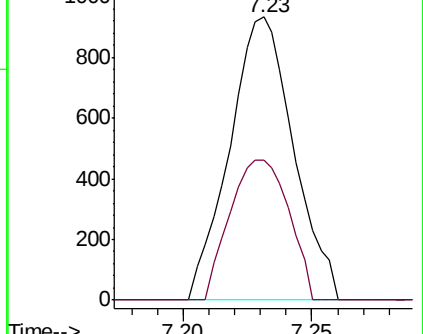
75 100

77 49.5 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.726 ug/L

RT: 7.85 min Scan# 2078

Delta R.T. -0.03 min

Lab File: VU026759.D

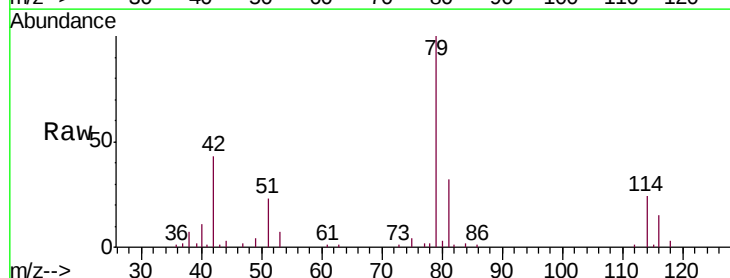
Acq: 14 Sep 2018 12:30

Tgt Ion: 75 Resp: 1213

Ion Ratio Lower Upper

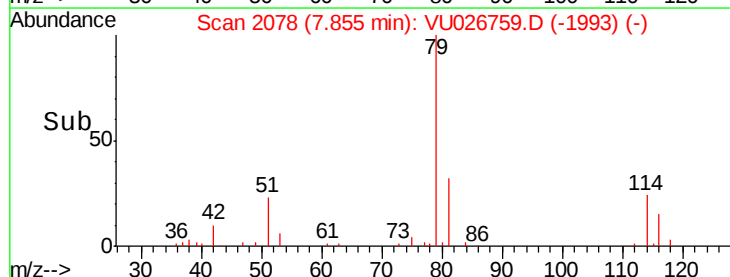
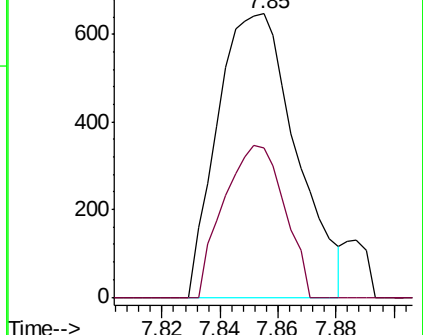
75 100

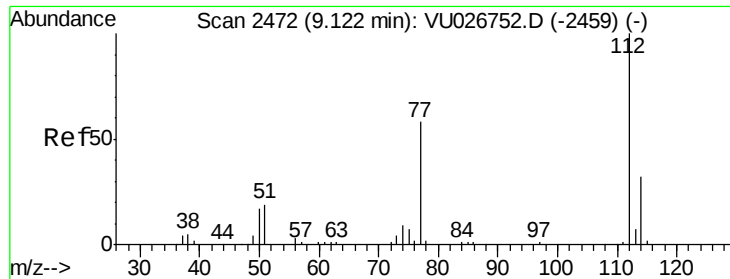
77 52.9 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

Chlorobenzene

Concen: 16.648 ug/L

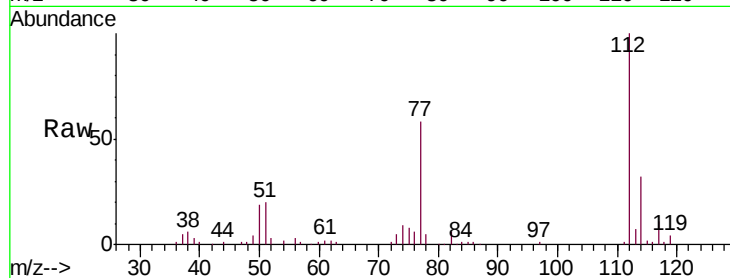
RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026759.D

Acq: 14 Sep 2018 12:30

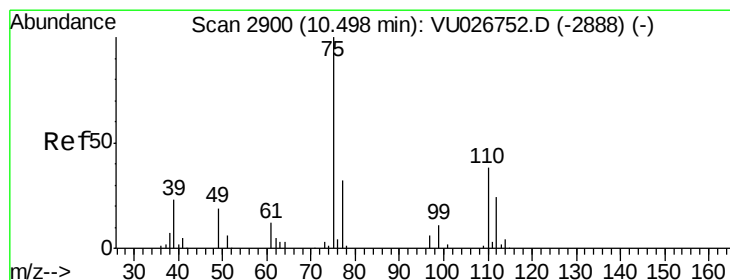
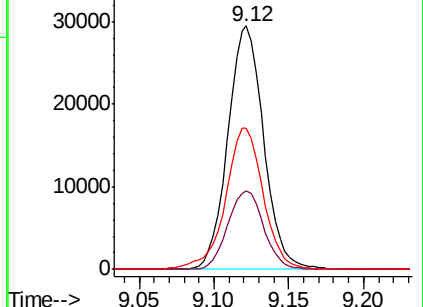
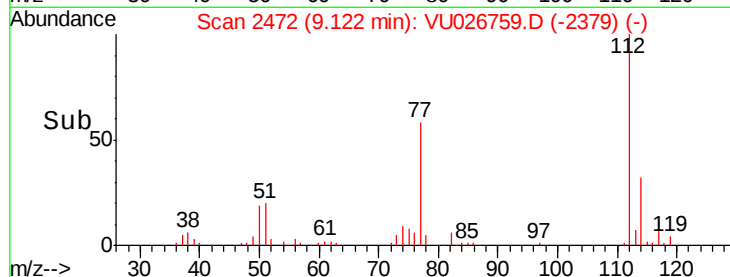
Tgt Ion:	112	Resp:	49193
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.9	42.5
77	58.2	47.2	70.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 7.967 ug/L

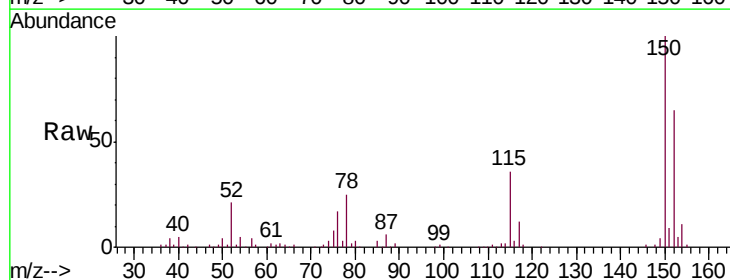
RT: 11.49 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026759.D

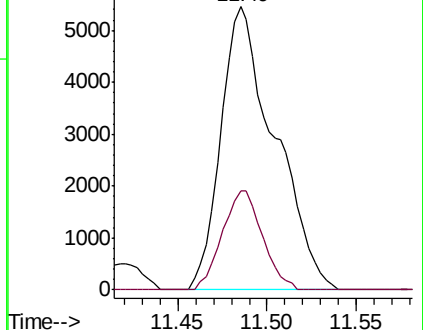
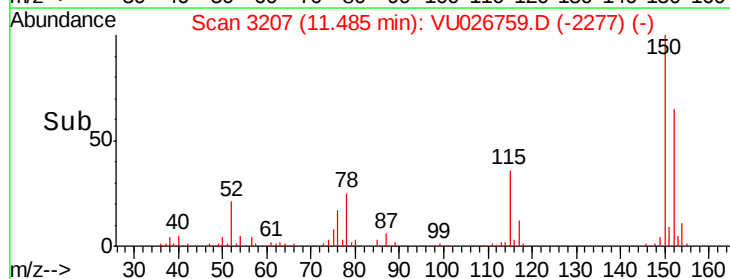
Acq: 14 Sep 2018 12:30

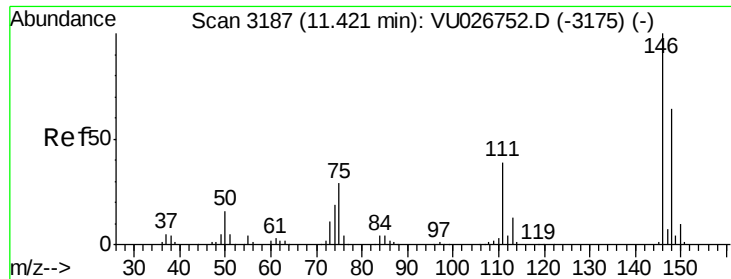
Tgt Ion:	75	Resp:	11434
Ion	Ratio	Lower	Upper
75	100		
77	26.0	25.8	38.6



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 1.358 ug/L

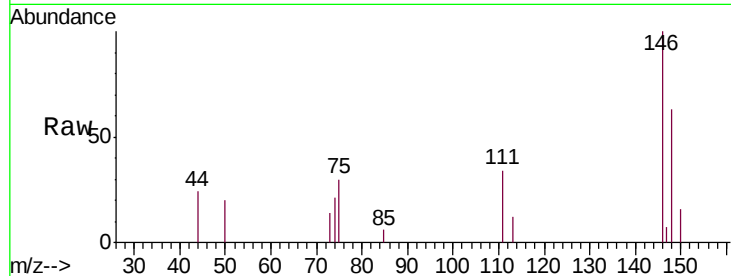
RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

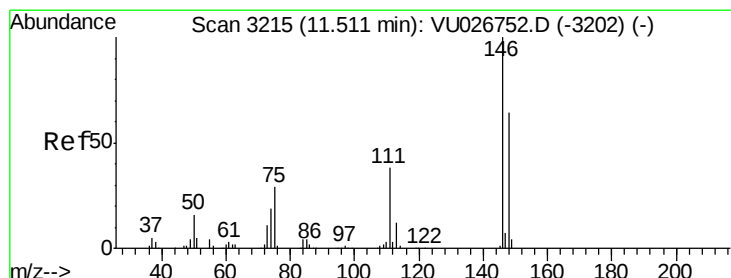
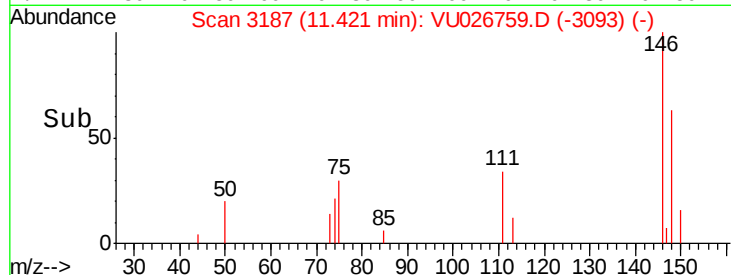
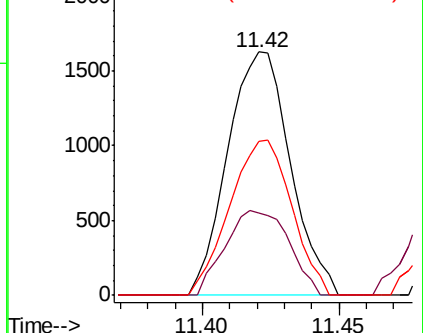
Lab File: VU026759.D

Acq: 14 Sep 2018 12:30

Tgt Ion:	146	Resp:	2595
Ion	Ratio	Lower	Upper
146	100		
111	33.7	26.7	49.5
148	63.0	44.2	82.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.770 ug/L

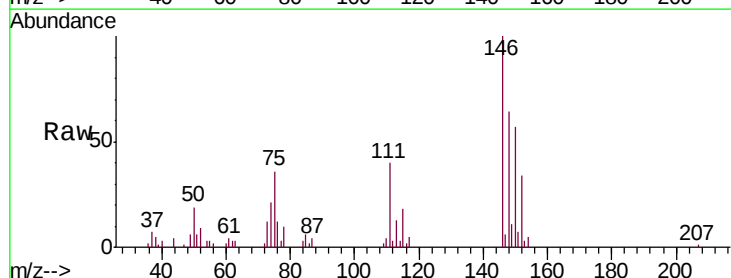
RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

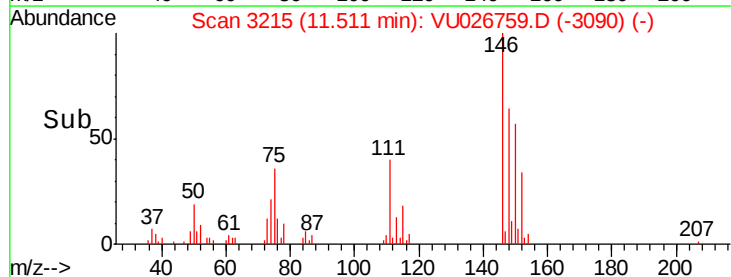
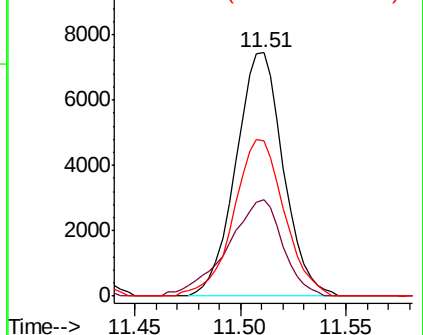
Lab File: VU026759.D

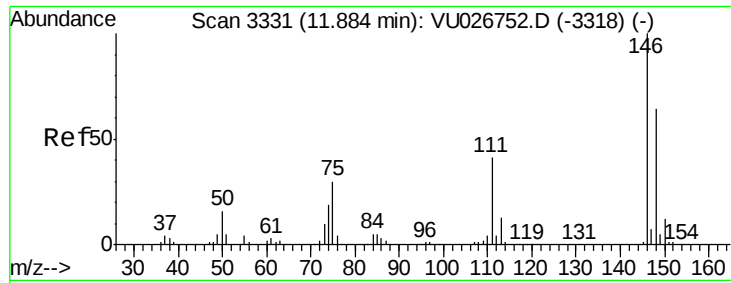
Acq: 14 Sep 2018 12:30

Tgt Ion:	146	Resp:	11678
Ion	Ratio	Lower	Upper
146	100		
111	39.6	26.5	49.3
148	63.7	45.2	84.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 55.965 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026759.D

Acq: 14 Sep 2018 12:30

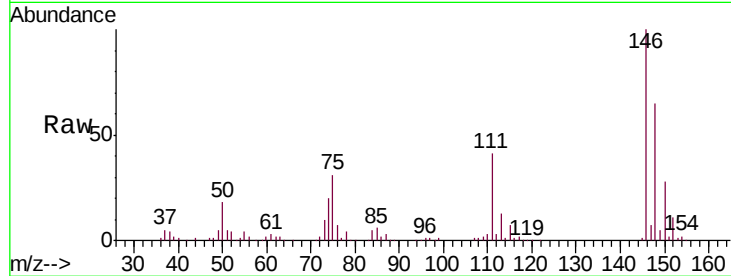
Tgt Ion:146 Resp: 113001

Ion Ratio Lower Upper

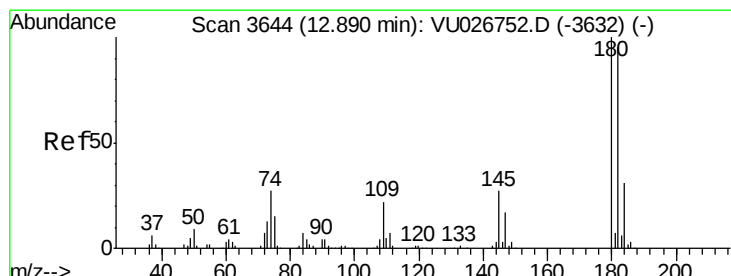
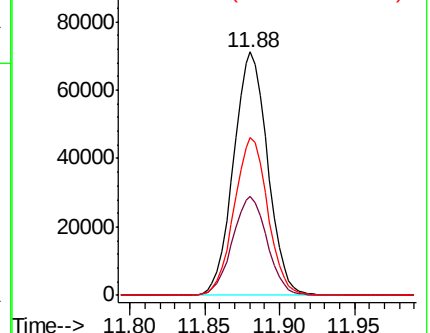
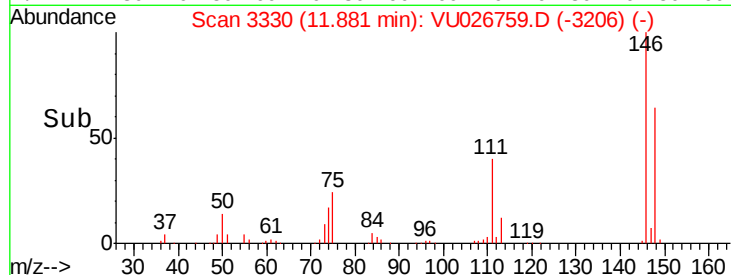
146 100

111 40.7 32.8 49.2

148 64.7 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 7.873 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU026759.D

Acq: 14 Sep 2018 12:30

Tgt Ion:180 Resp: 11931

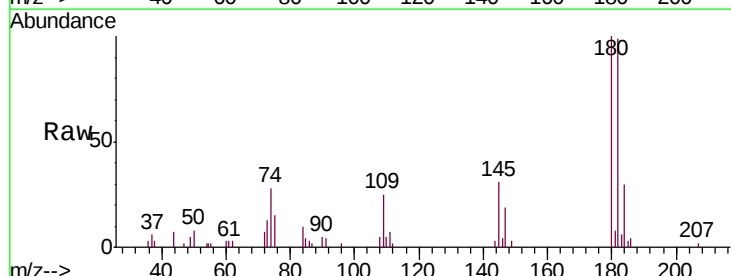
Ion Ratio Lower Upper

180 100

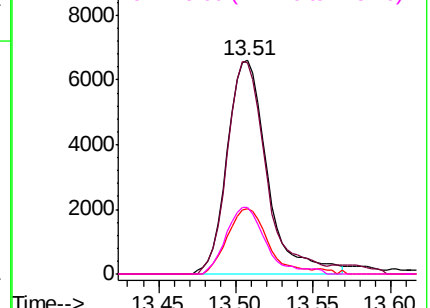
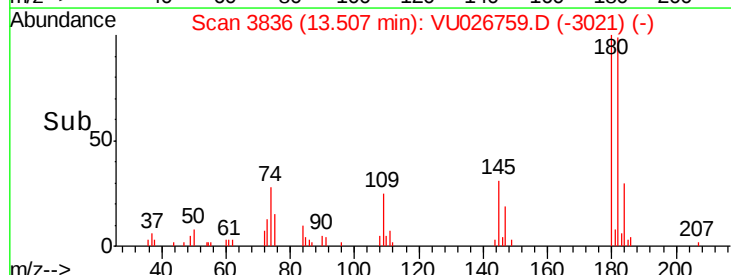
182 96.0 76.8 115.2

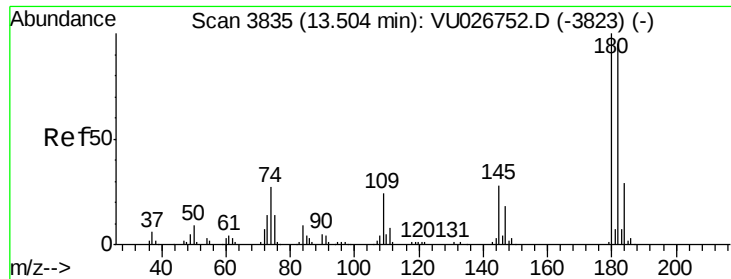
184 30.7 24.2 36.2

145 30.0 21.4 32.2



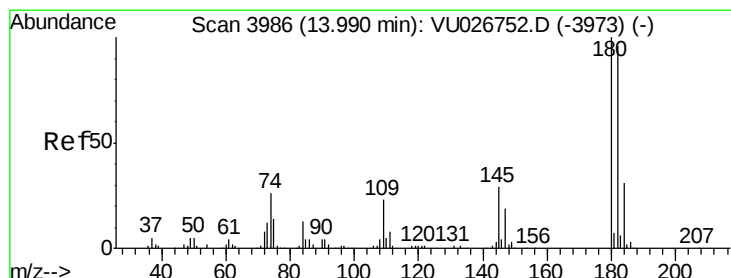
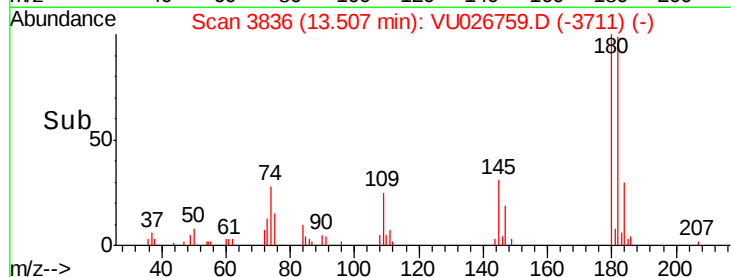
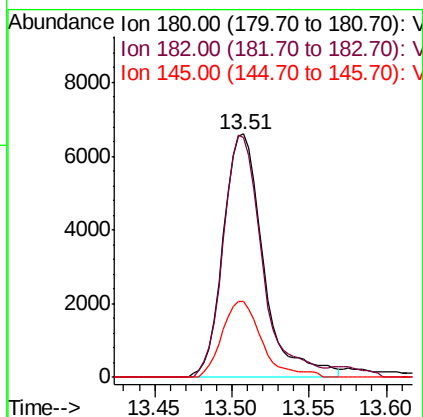
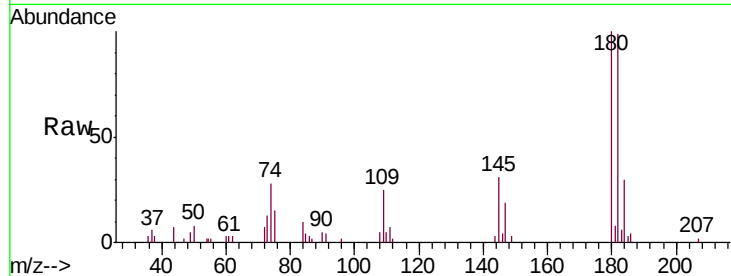
Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V





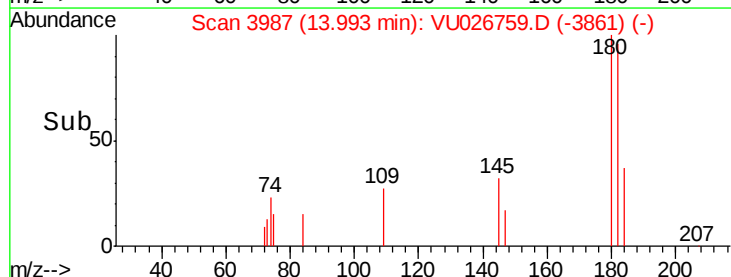
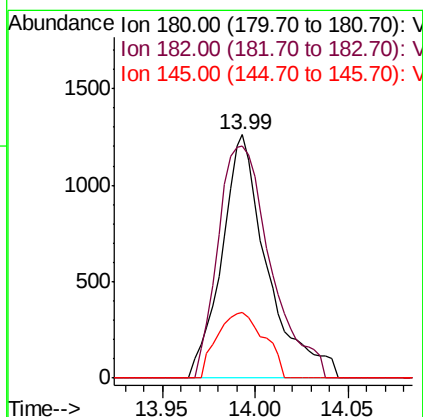
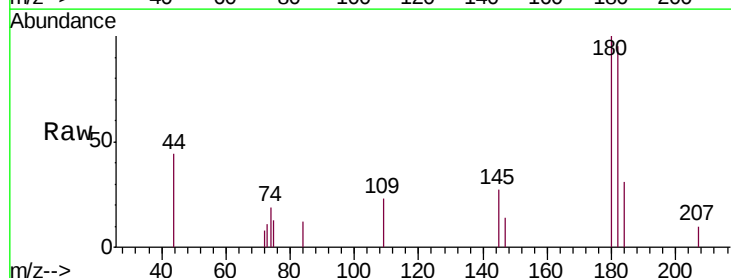
#68
 1,2,4-trichlorobenzene
 Concen: 9.058 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026759.D
 Acq: 14 Sep 2018 12:30

Tgt Ion:180 Resp: 11931
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.0 114.0
 145 30.0 23.4 35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 1.509 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026759.D
 Acq: 14 Sep 2018 12:30

Tgt Ion:180 Resp: 2153
 Ion Ratio Lower Upper
 180 100
 182 110.2 76.7 115.1
 145 27.7 23.0 34.6



Data File : VU026760.D
Acq On : 14 Sep 2018 12:54
Operator : MD/SY
Sample : J4893-04DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 15 00:19:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	167542	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	155221	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68364	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54893	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.94%
7) Chloroethane-d5	1.68	69	46272	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.98%
11) 1,1-Dichloroethene-d2	2.27	63	79094	35.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.80%
21) 2-Butanone-d5	4.18	46	80283	103.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.33%
24) Chloroform-d	4.65	84	94482	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
26) 1,2-Dichloroethane-d4	5.31	65	64784	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
32) Benzene-d6	5.34	84	194234	48.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.70%
36) 1,2-Dichloropropane-d6	6.33	67	66614	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.82%
41) Toluene-d8	7.57	98	170515	45.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.48%
43) trans-1,3-Dichloropropene-	7.85	79	28054	44.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.52%
47) 2-Hexanone-d5	8.31	63	54832	99.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87648	47.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	66833	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.88	101	973	0.539 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	772	0.750 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	583	0.590 ug/L #	1
13) Acetone	2.32	43	1151	1.301 ug/L	92
25) Chloroform	4.67	83	2078	1.018 ug/L	83
33) Benzene	5.39	78	7375	1.697 ug/L	100
35) Methylcyclohexane	6.33	83	14602	8.443 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6775	5.579 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1621	0.902 ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	1085	0.649 ug/L #	80
48) 2-Hexanone	8.31	43	6290	4.810 ug/L #	69
51) Chlorobenzene	9.12	112	18455	6.239 ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	3452	2.403 ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	11836	6.030 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	177635	85.423 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	58123	28.016 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	8000	5.138 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026760.D
Acq On : 14 Sep 2018 12:54
Operator : MD/SY
Sample : J4893-04DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

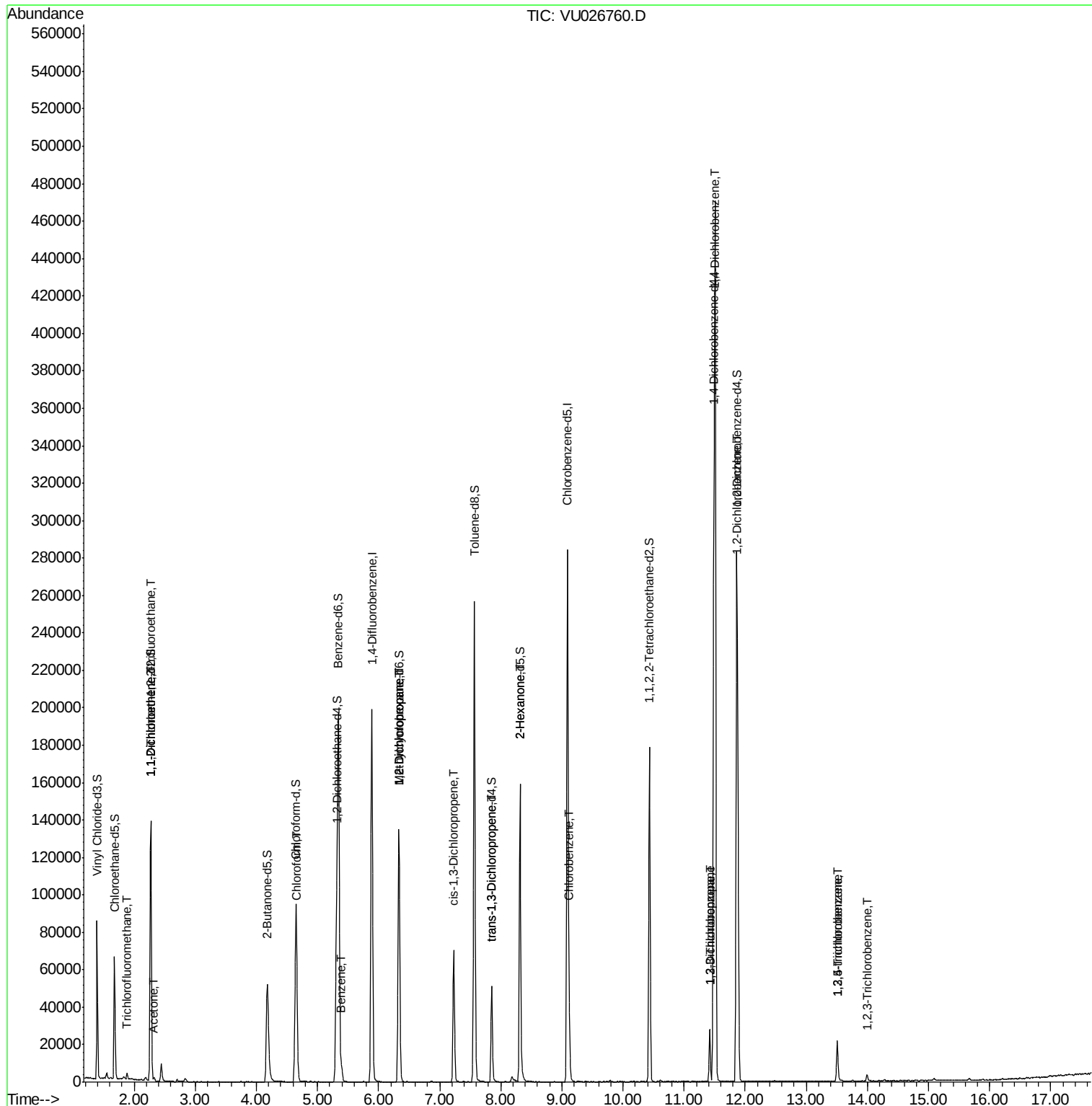
Quant Time: Sep 15 00:19:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

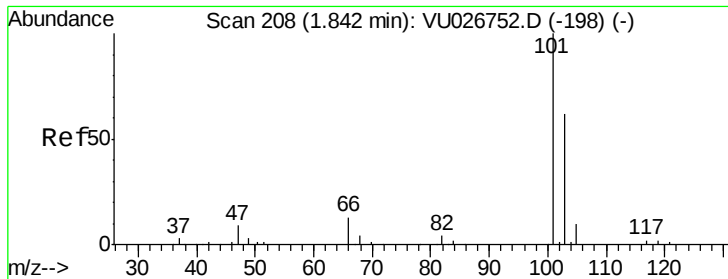
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	8000	5.911	ug/L	98
70) 1,2,3-Trichlorobenzene	14.00	180	1774	1.210	ug/L #	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026760.D
Acq On : 14 Sep 2018 12:54
Operator : MD/SY
Sample : J4893-04DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 15 00:19:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

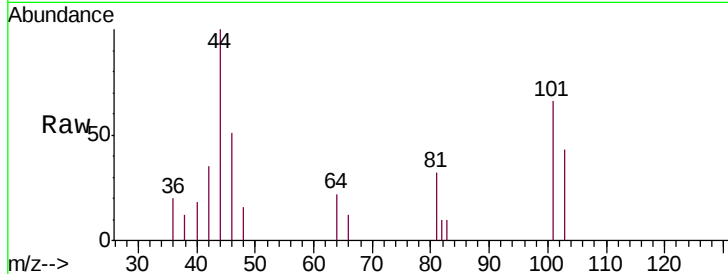




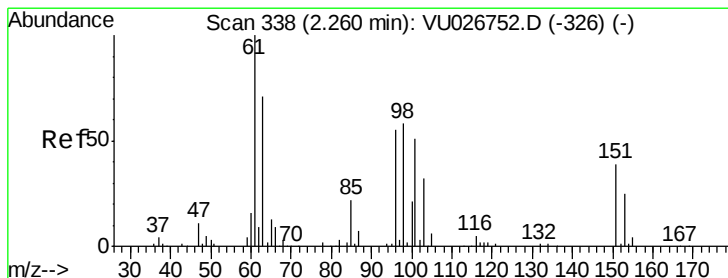
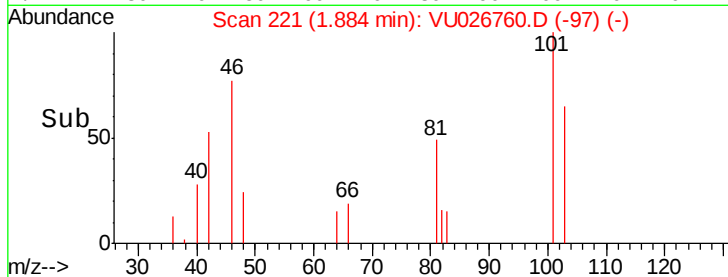
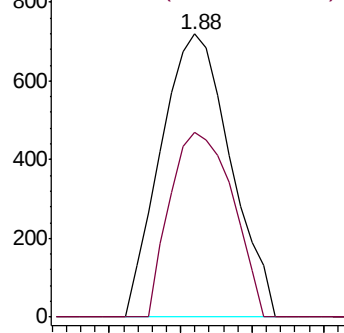
#9

Trichlorofluoromethane
 Concen: 0.539 ug/L
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

Tgt Ion:101 Resp: 973
 Ion Ratio Lower Upper
 101 100
 103 58.7 51.8 77.6



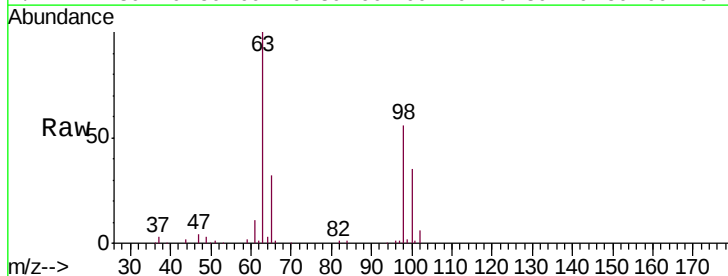
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



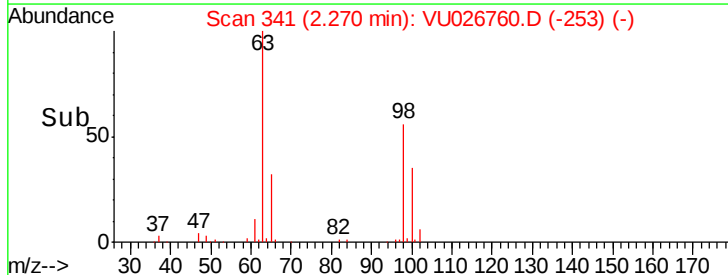
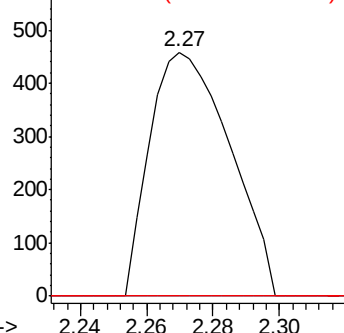
#10

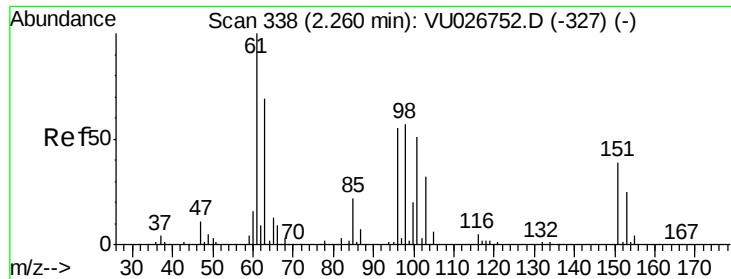
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.750 ug/L
 RT: 2.27 min Scan# 341
 Delta R.T. -0.02 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

Tgt Ion:101 Resp: 772
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.1 51.1#
 151 0.0 62.6 94.0#



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.590 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026760.D

Acq: 14 Sep 2018 12:54

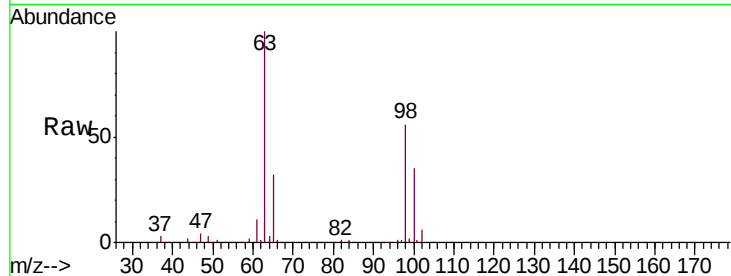
Tgt Ion: 96 Resp: 583

Ion Ratio Lower Upper

96 100

61 1275.9 121.0 224.8#

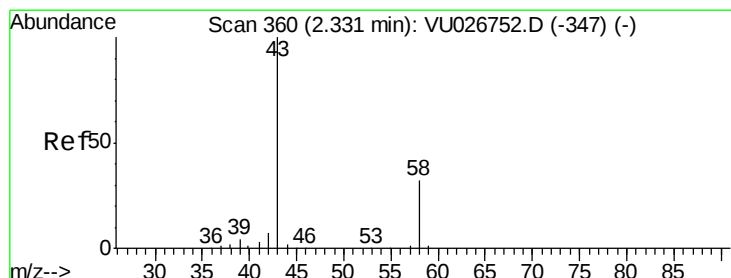
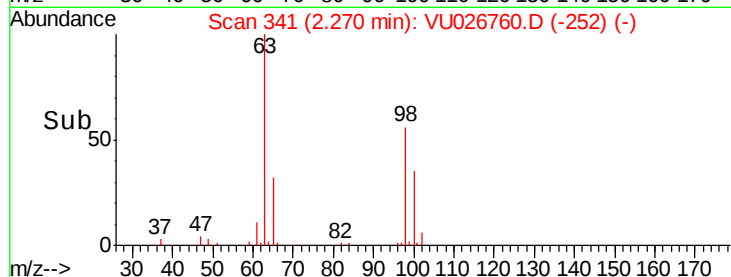
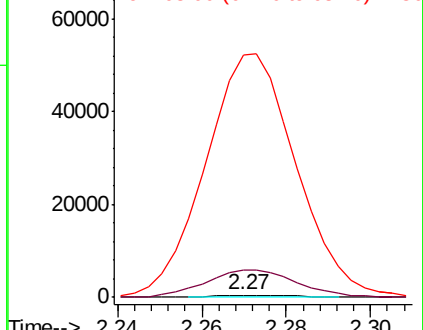
63 11140.2 89.9 166.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.301 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026760.D

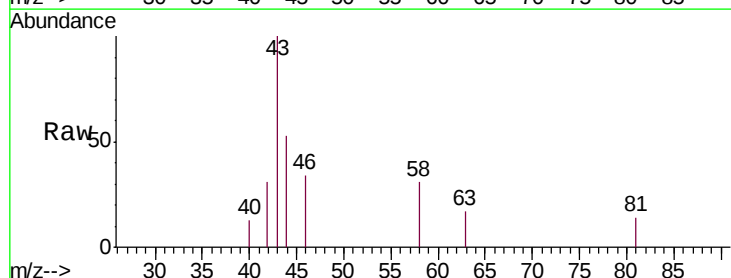
Acq: 14 Sep 2018 12:54

Tgt Ion: 43 Resp: 1151

Ion Ratio Lower Upper

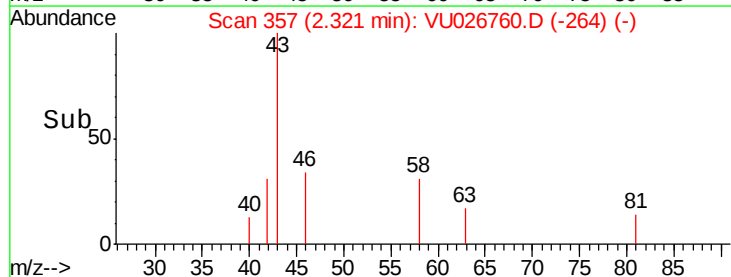
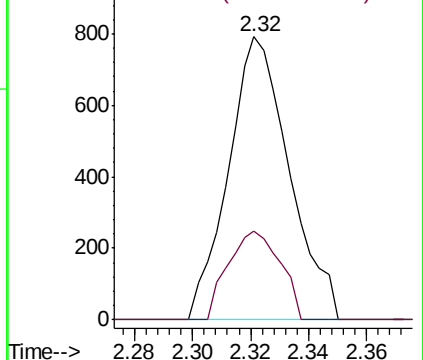
43 100

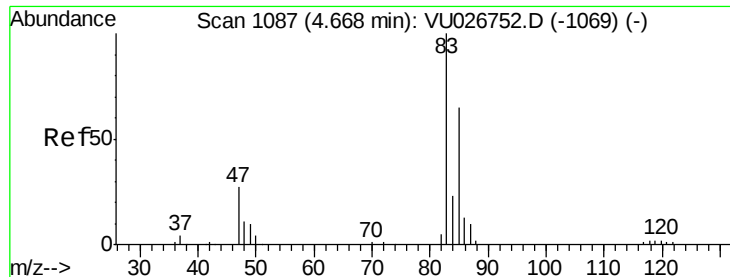
58 26.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

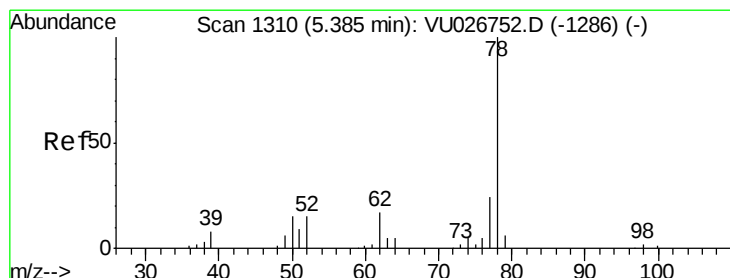
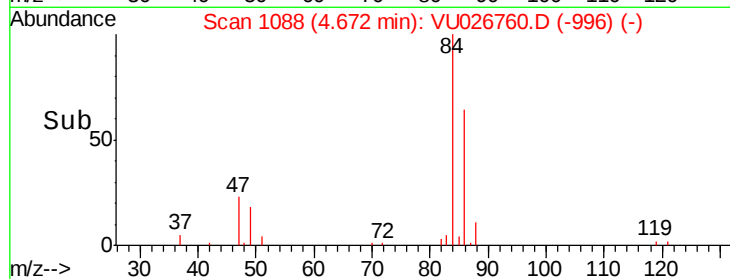
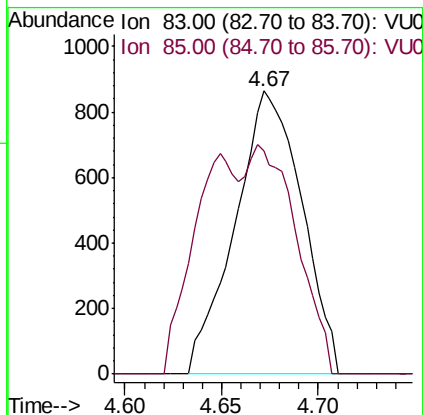
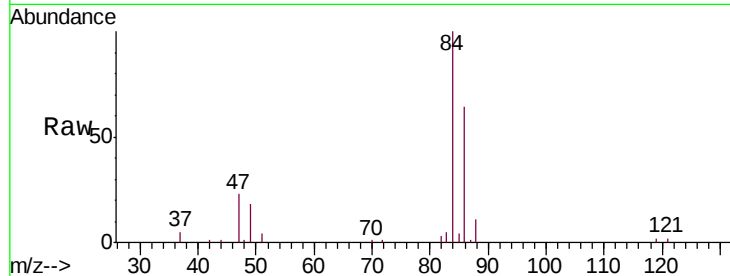
Ion 58.00 (57.70 to 58.70): VU0





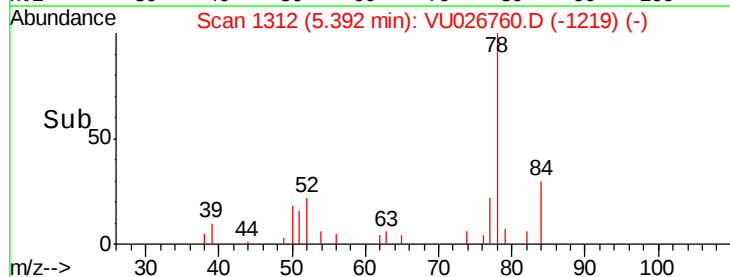
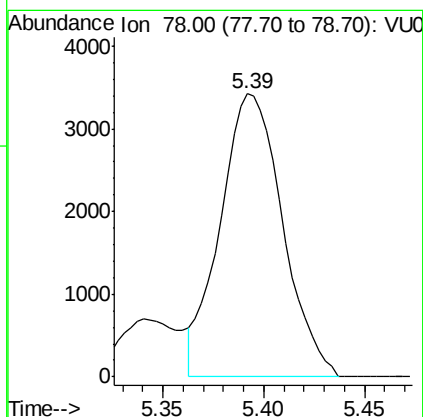
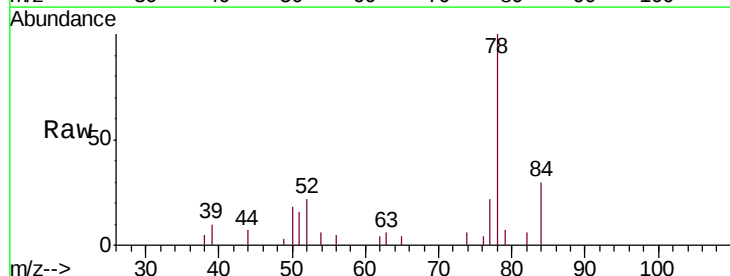
#25
Chloroform
Concen: 1.018 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU026760.D
Acq: 14 Sep 2018 12:54

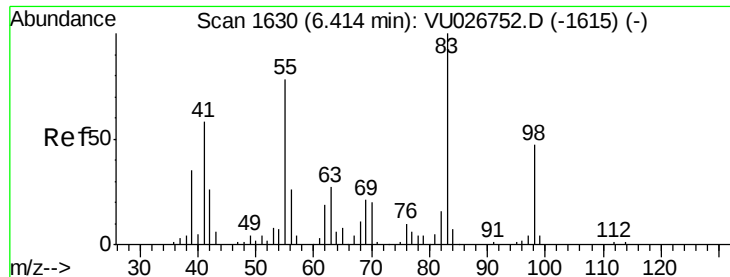
Tgt Ion: 83 Resp: 2078
Ion Ratio Lower Upper
83 100
85 78.8 45.6 84.6



#33
Benzene
Concen: 1.697 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026760.D
Acq: 14 Sep 2018 12:54

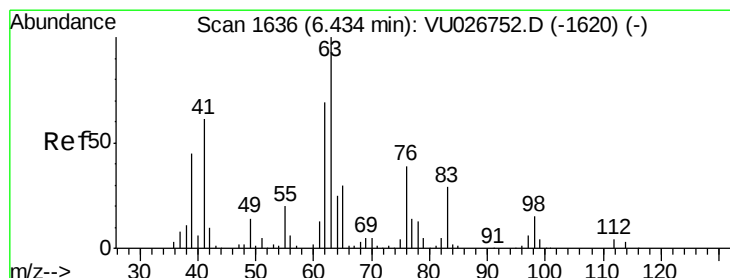
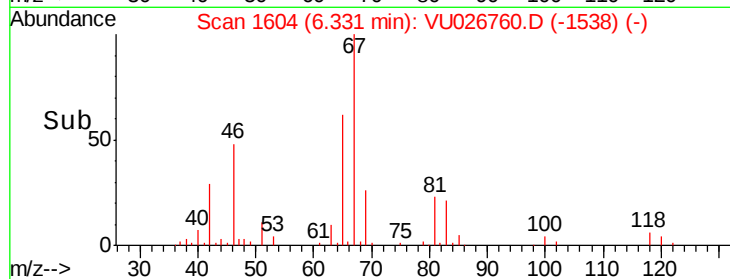
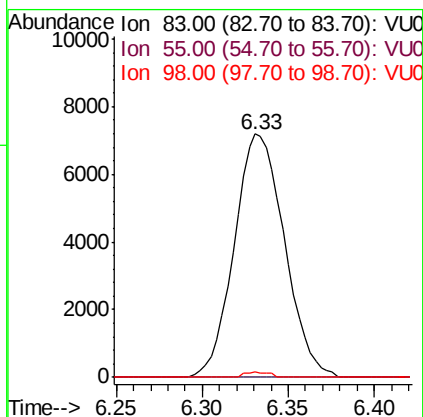
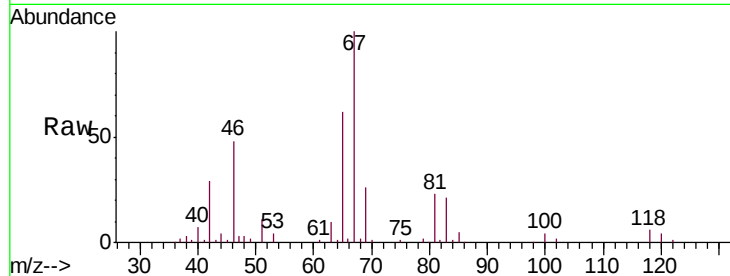
Tgt Ion: 78 Resp: 7375





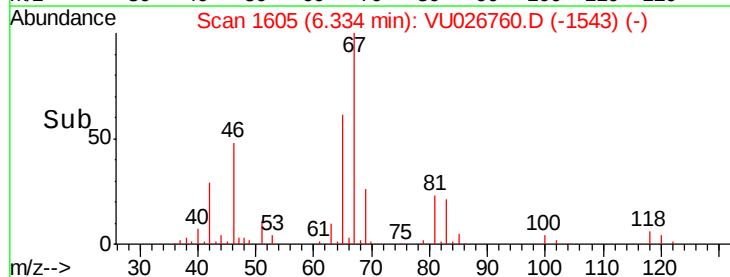
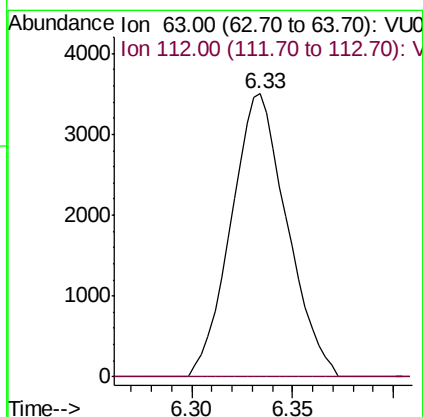
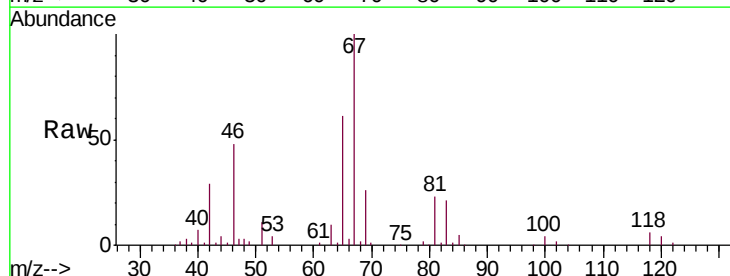
#35
Methylcyclohexane
Concen: 8.443 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026760.D
Acq: 14 Sep 2018 12:54

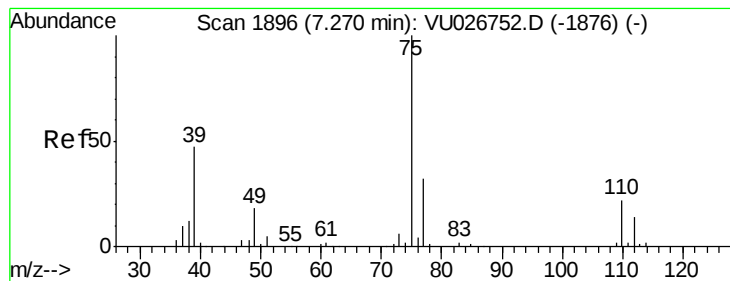
Tgt Ion: 83 Resp: 14602
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 1.0 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 5.579 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026760.D
Acq: 14 Sep 2018 12:54

Tgt Ion: 63 Resp: 6775
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#





#39

cis-1,3-Dichloropropene

Concen: 0.902 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU026760.D

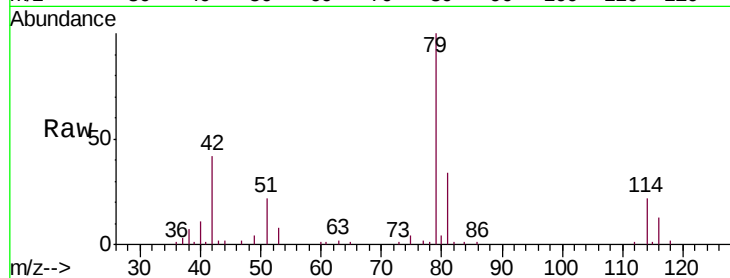
Acq: 14 Sep 2018 12:54

Tgt Ion: 75 Resp: 1621

Ion Ratio Lower Upper

75 100

77 49.2 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

1200

1000

800

600

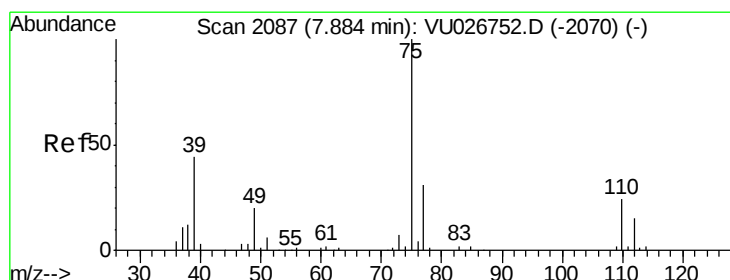
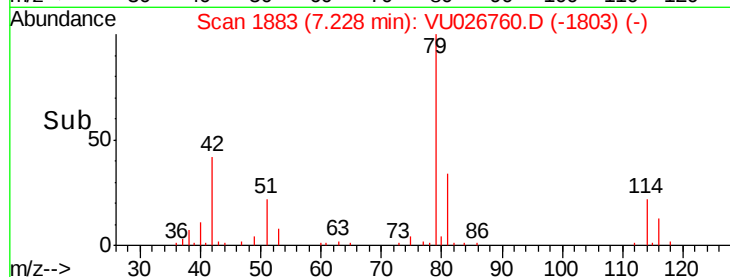
400

200

0

7.18 7.20 7.22 7.24 7.26

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.649 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026760.D

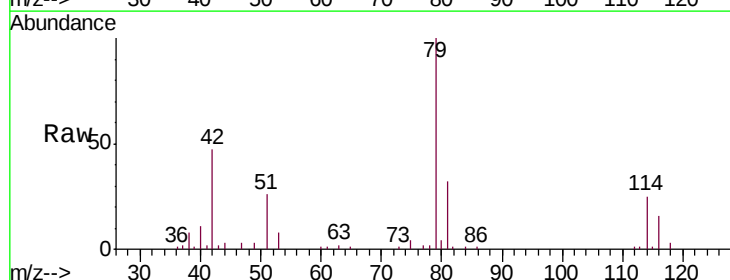
Acq: 14 Sep 2018 12:54

Tgt Ion: 75 Resp: 1085

Ion Ratio Lower Upper

75 100

77 43.0 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

800

600

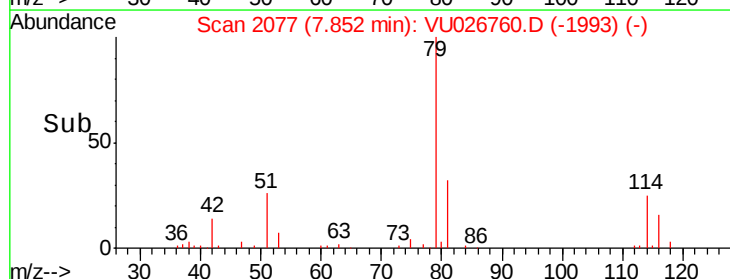
400

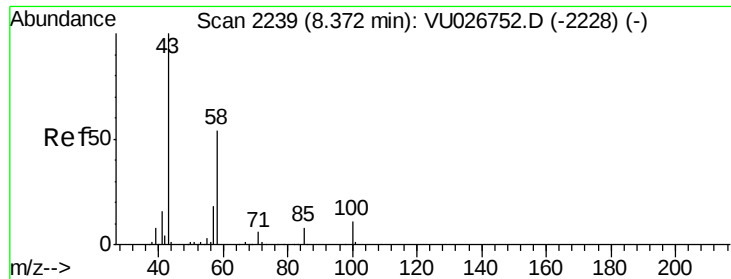
200

0

7.82 7.84 7.86 7.88

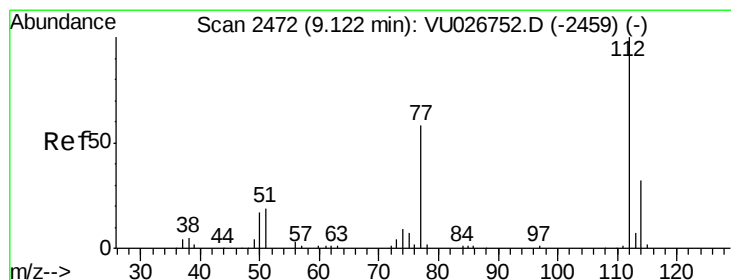
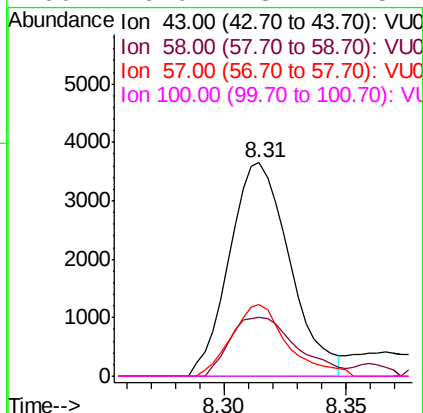
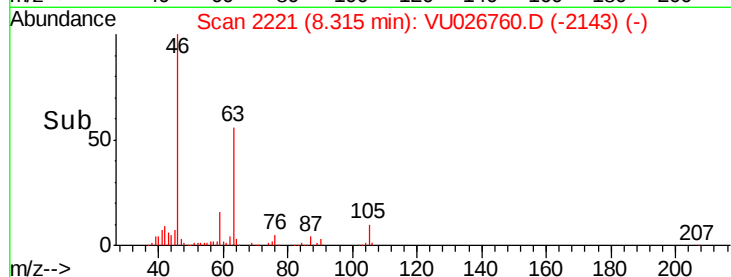
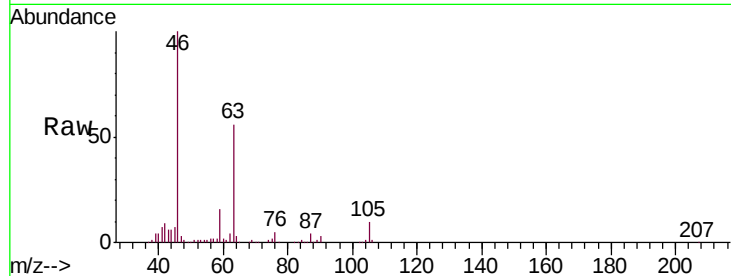
Time-->





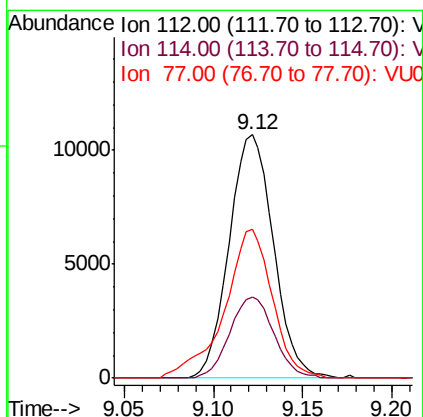
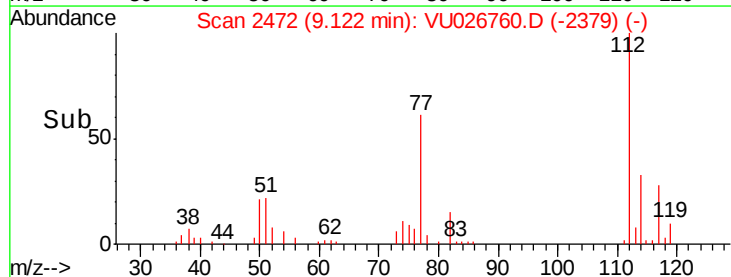
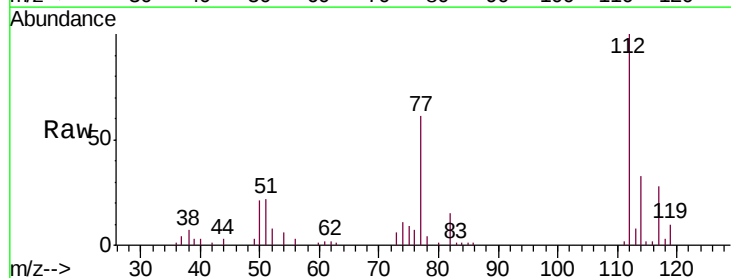
#48
2-Hexanone
Concen: 4.810 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU026760.D
Acq: 14 Sep 2018 12:54

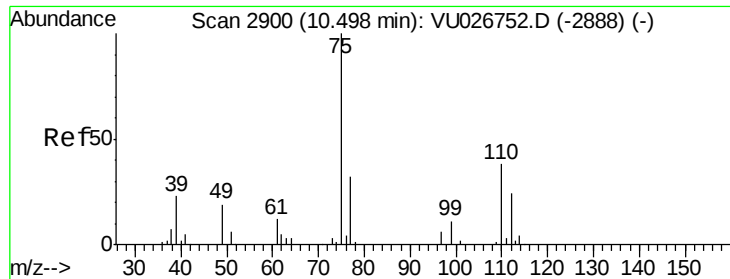
Tgt Ion:	43	Resp:	6290
Ion	Ratio	Lower	Upper
43	100		
58	30.6	42.2	63.4#
57	30.8	14.4	21.6#
100	0.0	8.7	13.1#



#51
Chlorobenzene
Concen: 6.239 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026760.D
Acq: 14 Sep 2018 12:54

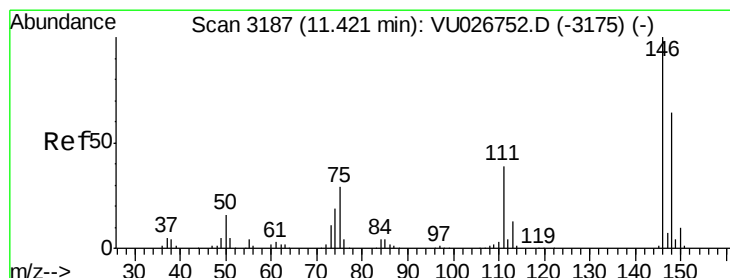
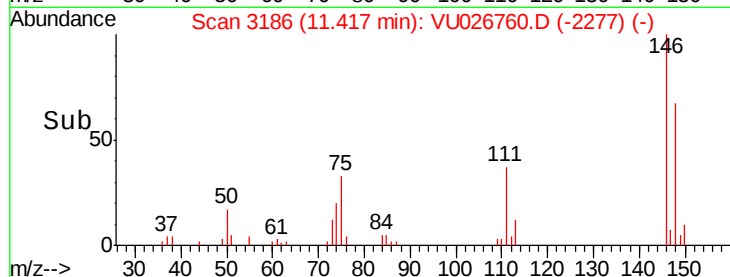
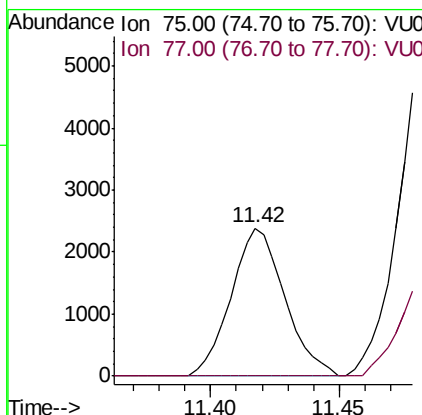
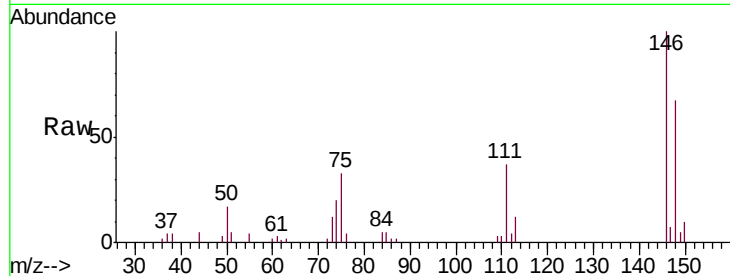
Tgt Ion:	112	Resp:	18455
Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.9	42.5
77	61.0	47.2	70.8





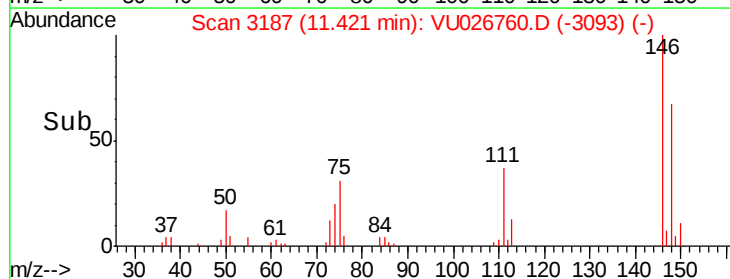
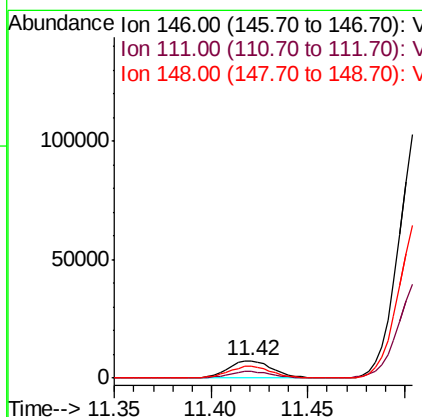
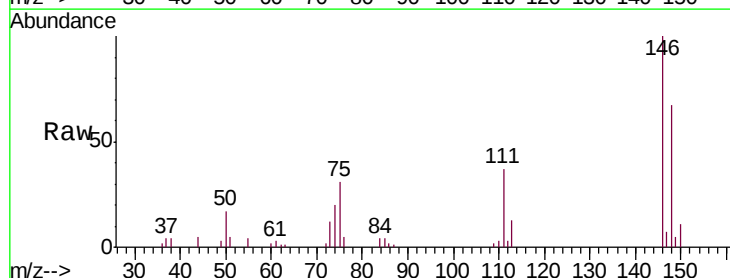
#59
 1,2,3-Trichloropropane
 Concen: 2.403 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.92 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

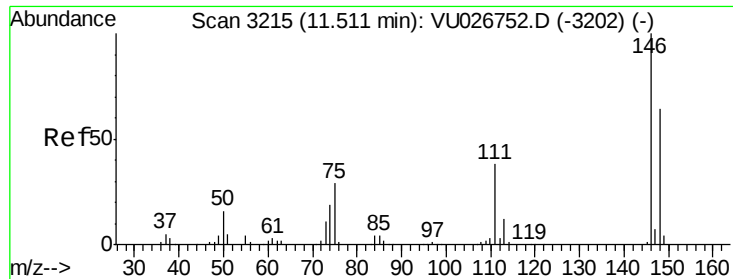
Tgt Ion: 75 Resp: 3452
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#62
 1,3-Dichlorobenzene
 Concen: 6.030 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

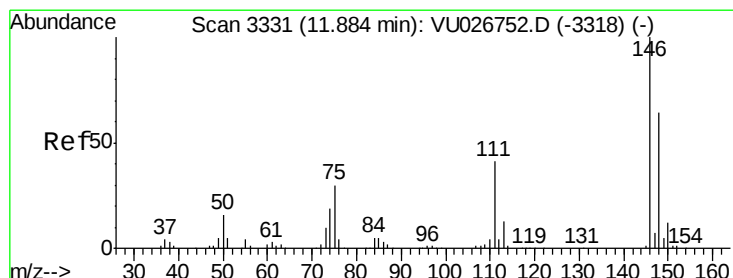
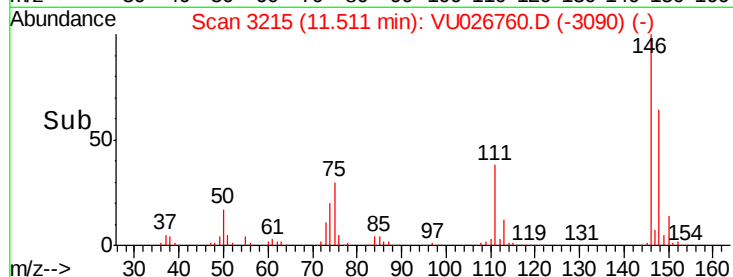
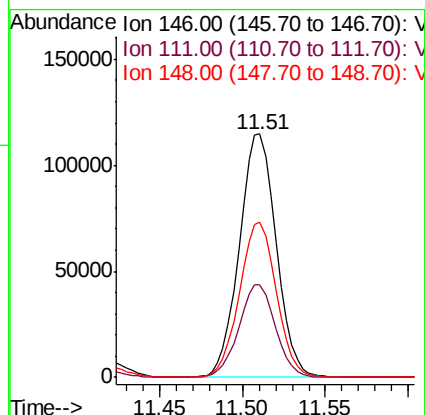
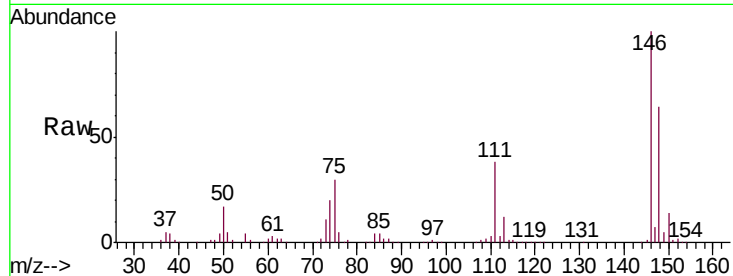
Tgt Ion: 146 Resp: 11836
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.7 49.5
 148 67.1 44.2 82.2





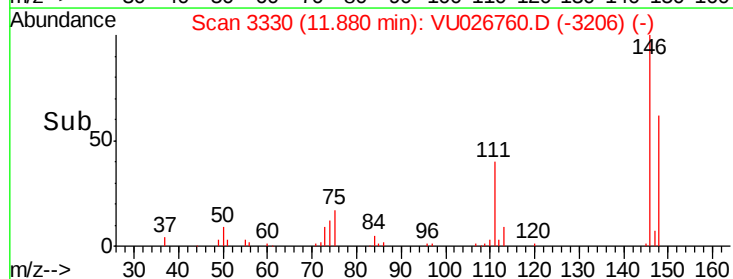
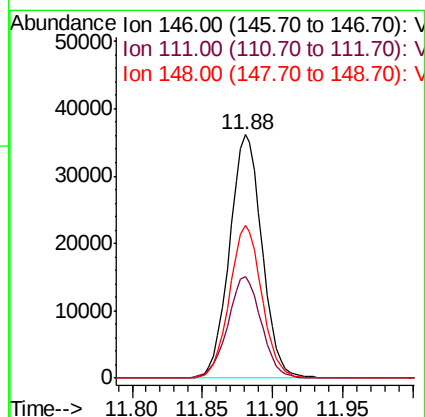
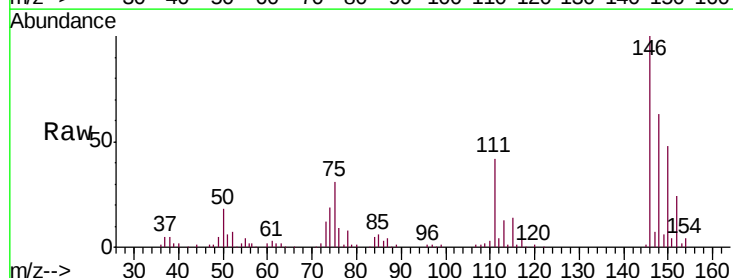
#63
 1,4-Dichlorobenzene
 Concen: 85.423 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

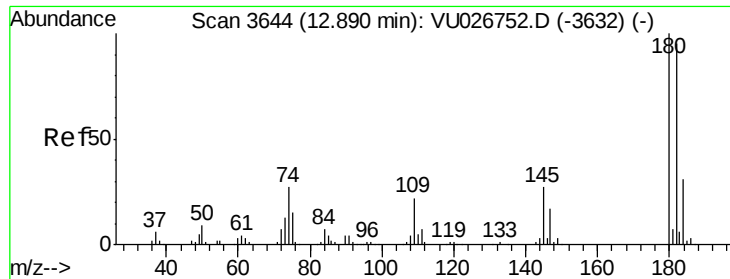
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.5	49.3
148	63.8	45.2	84.0



#65
 1,2-Dichlorobenzene
 Concen: 28.016 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

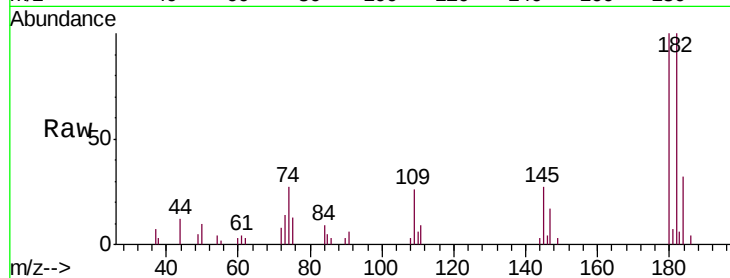
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	32.8	49.2
148	62.6	52.2	78.4



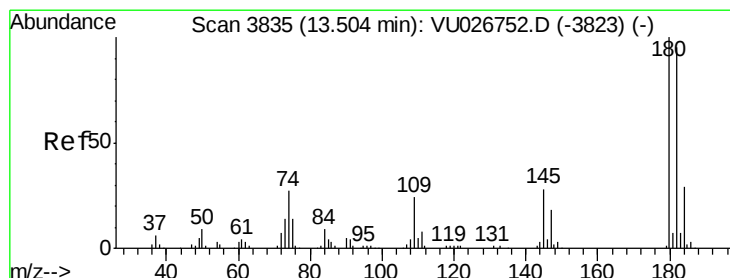
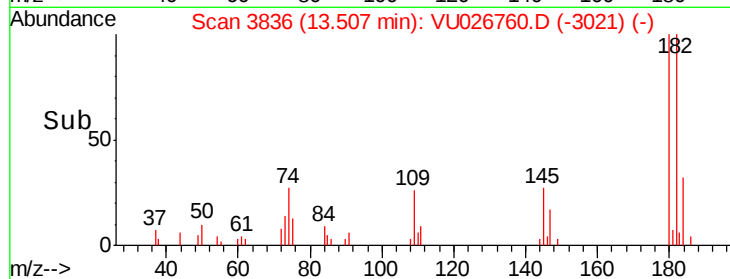
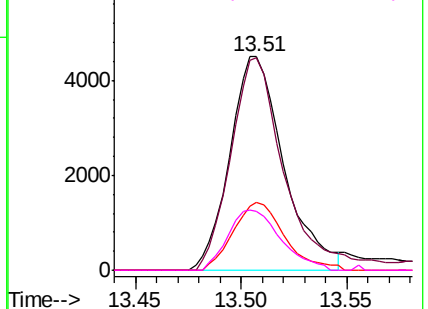


#67
 1,3,5-Trichlorobenzene
 Concen: 5.138 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

Tgt Ion:	180	Resp:	8000
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.8	115.2
184	30.2	24.2	36.2
145	27.6	21.4	32.2

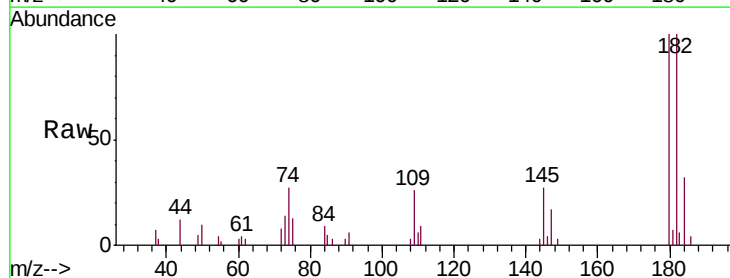


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

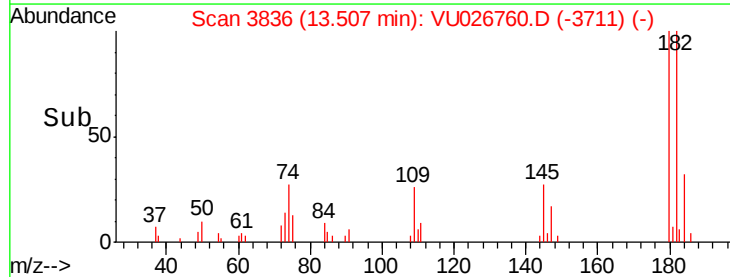
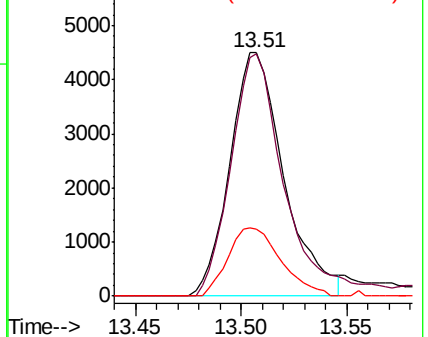


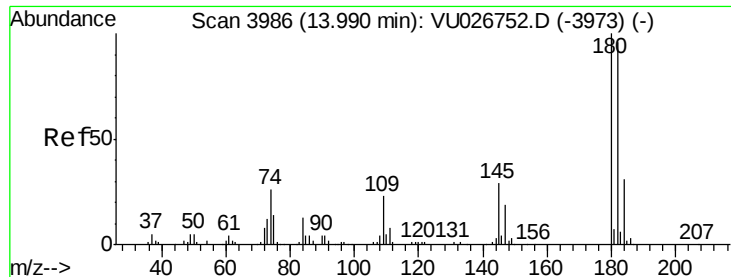
#68
 1,2,4-trichlorobenzene
 Concen: 5.911 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

Tgt Ion:	180	Resp:	8000
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.0	114.0
145	27.6	23.4	35.0



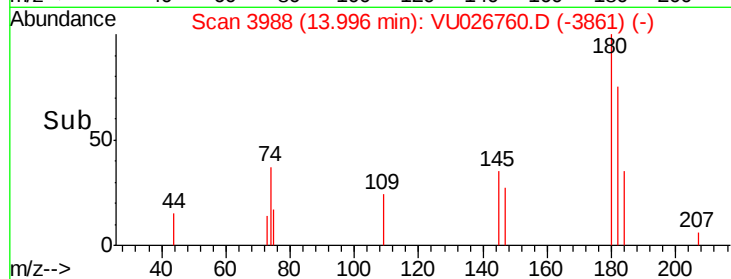
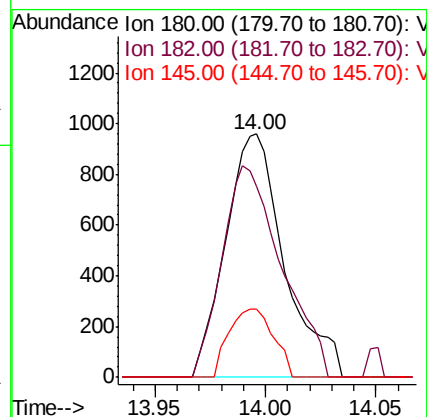
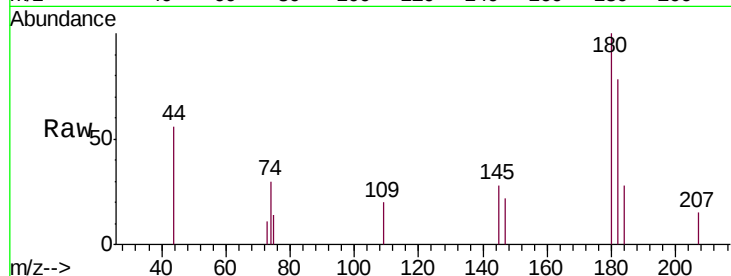
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.210 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU026760.D
 Acq: 14 Sep 2018 12:54

Tgt Ion:180 Resp: 1774
 Ion Ratio Lower Upper
 180 100
 182 88.1 76.7 115.1
 145 21.3 23.0 34.6#



Data File : VU026761.D
Acq On : 14 Sep 2018 13:17
Operator : MD/SY
Sample : J4860-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 15 00:19:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	171158	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	160185	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	66794	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	57317	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.88%
7) Chloroethane-d5	1.68	69	46539	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.56%
11) 1,1-Dichloroethene-d2	2.27	63	80674	35.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.68%
21) 2-Butanone-d5	4.18	46	82055	103.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.38%
24) Chloroform-d	4.65	84	95509	45.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.06%
26) 1,2-Dichloroethane-d4	5.31	65	65407	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
32) Benzene-d6	5.34	84	195978	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.54%
36) 1,2-Dichloropropane-d6	6.33	67	68059	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.84%
41) Toluene-d8	7.57	98	171790	44.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.32%
43) trans-1,3-Dichloropropene-	7.85	79	28210	43.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.22%
47) 2-Hexanone-d5	8.31	63	55940	98.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	89585	47.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	63898	47.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.98%

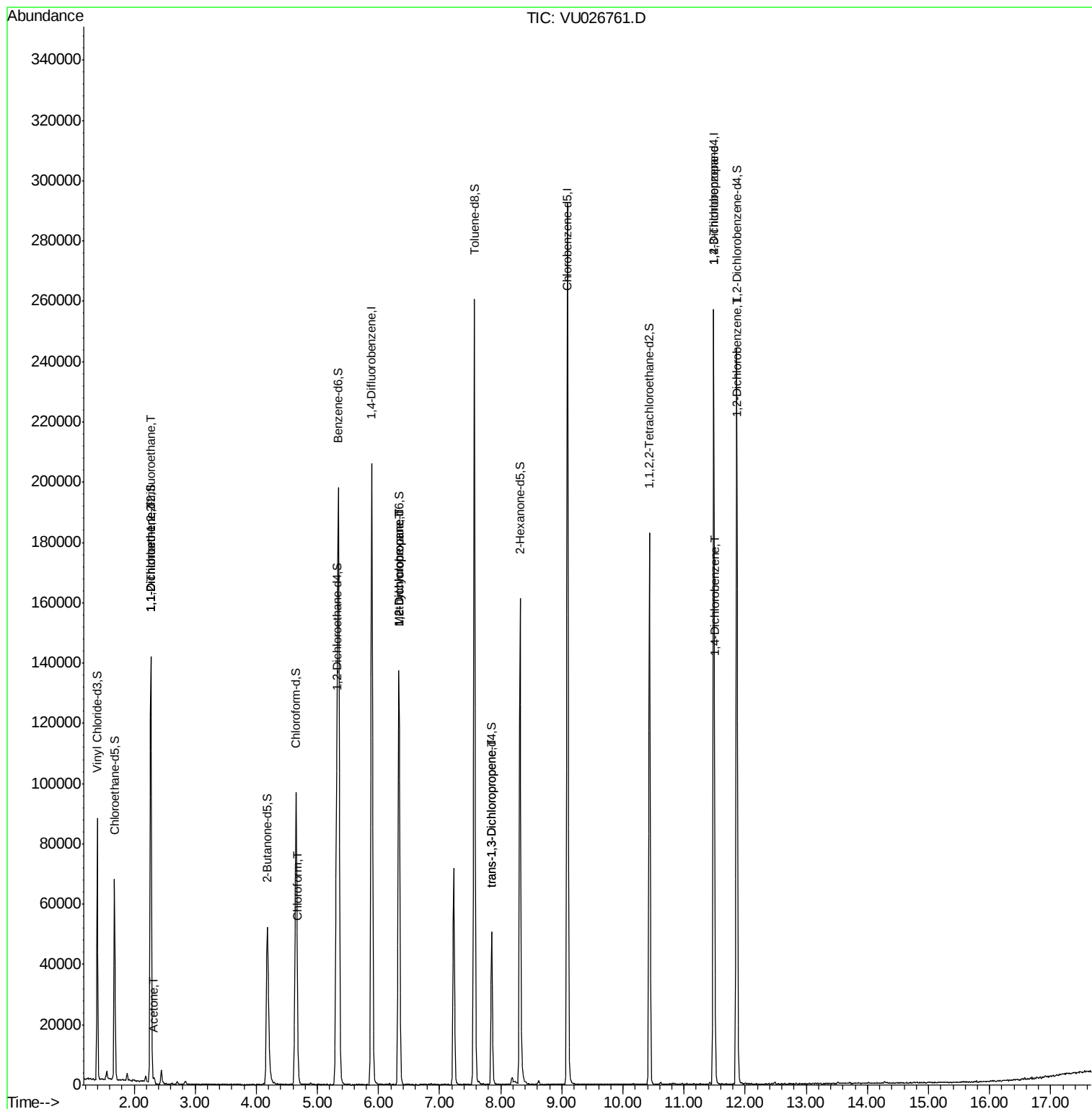
Target Compounds

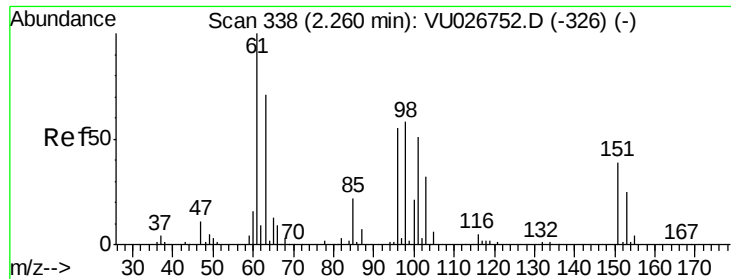
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	778	0.740 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	568	0.563 ug/L #	1
13) Acetone	2.32	43	977	1.081 ug/L	66
25) Chloroform	4.68	83	2210	1.060 ug/L	94
35) Methylcyclohexane	6.33	83	15420	8.640 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7032	5.611 ug/L #	89
44) trans-1,3-Dichloropropene	7.85	75	1175	0.681 ug/L	86
59) 1,2,3-Trichloropropane	11.48	75	8755	5.905 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	3590	1.767 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	2285	1.127 ug/L #	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026761.D
Acq On : 14 Sep 2018 13:17
Operator : MD/SY
Sample : J4860-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 15 00:19:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.740 ug/L

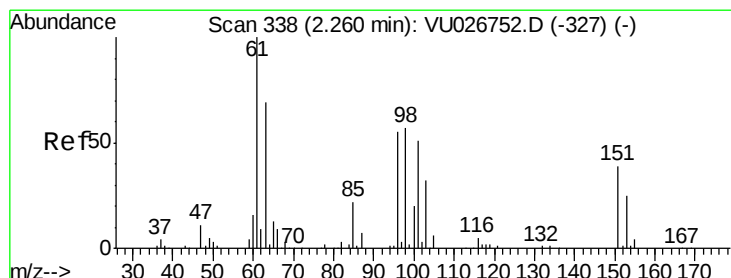
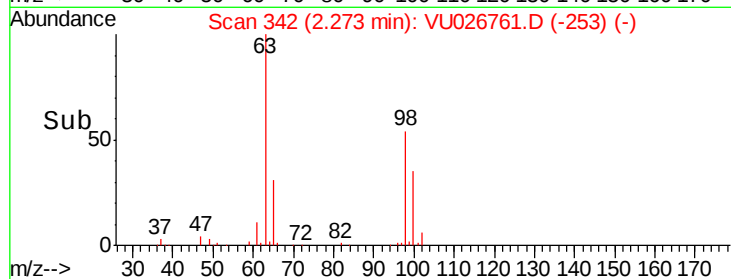
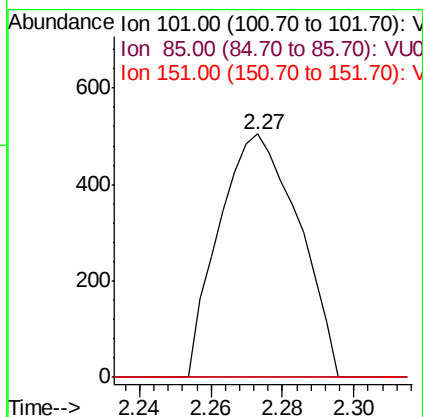
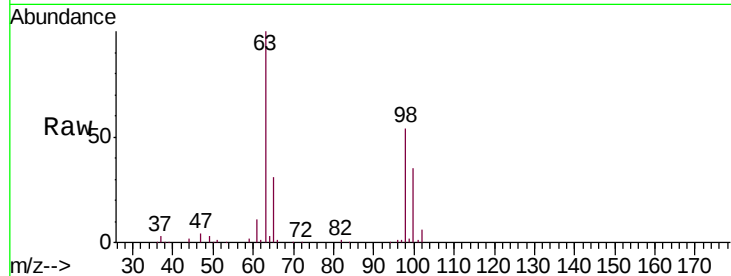
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026761.D

Acq: 14 Sep 2018 13:17

Tgt Ion:	101	Resp:	778
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



#12

1,1-Dichloroethene

Concen: 0.563 ug/L

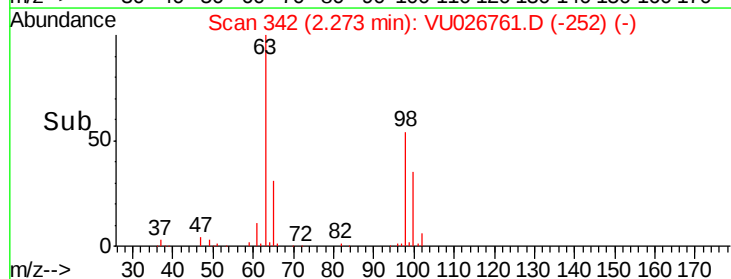
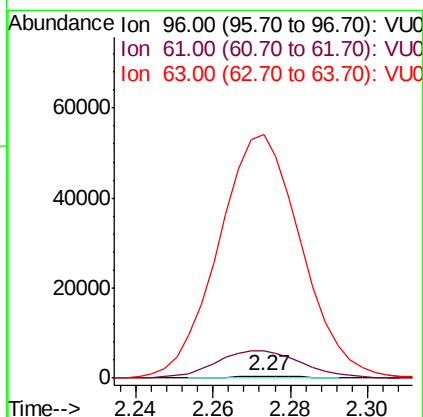
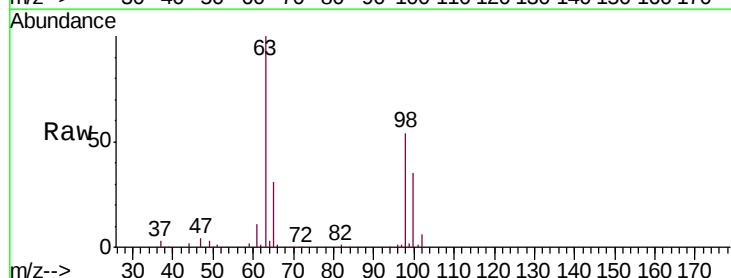
RT: 2.27 min Scan# 342

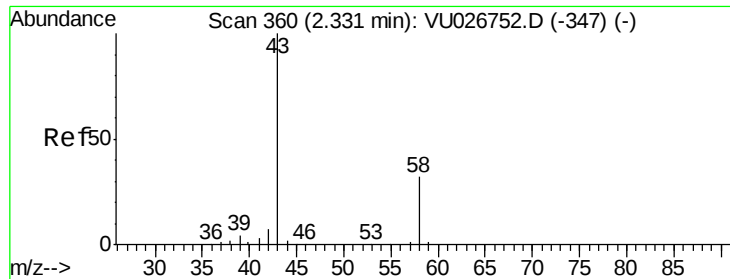
Delta R.T. -0.01 min

Lab File: VU026761.D

Acq: 14 Sep 2018 13:17

Tgt Ion:	96	Resp:	568
Ion	Ratio	Lower	Upper
96	100		
61	1565.5	121.0	224.8#
63	14120.1	89.9	166.9#





#13

Acetone

Concen: 1.081 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026761.D

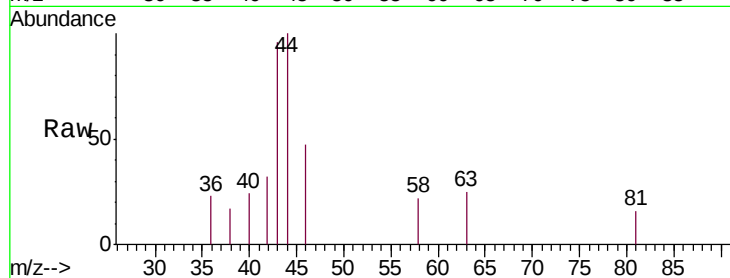
Acq: 14 Sep 2018 13:17

Tgt Ion: 43 Resp: 977

Ion Ratio Lower Upper

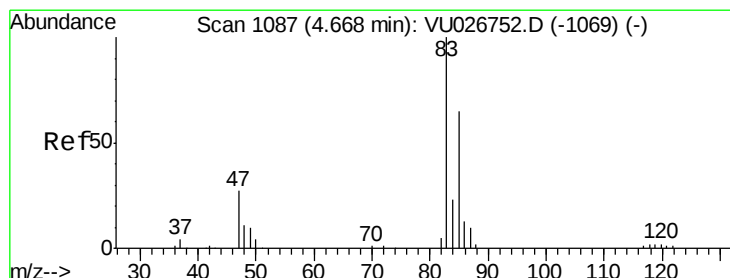
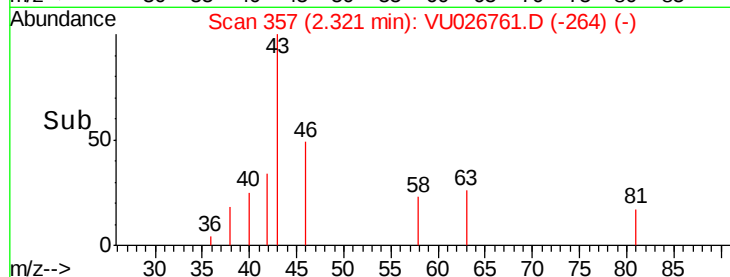
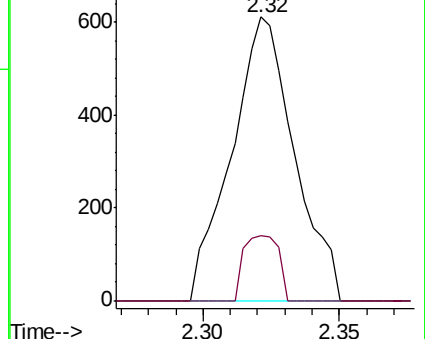
43 100

58 12.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 1.060 ug/L

RT: 4.68 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VU026761.D

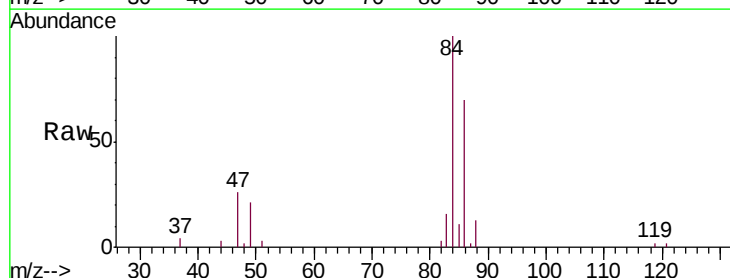
Acq: 14 Sep 2018 13:17

Tgt Ion: 83 Resp: 2210

Ion Ratio Lower Upper

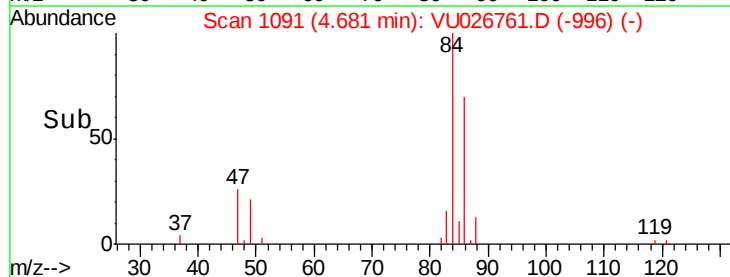
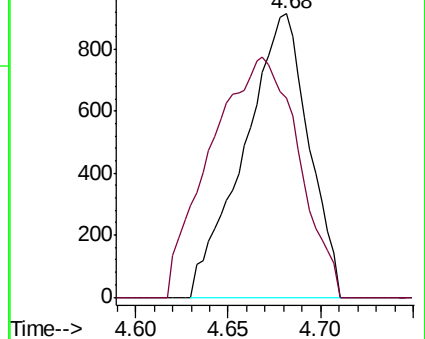
83 100

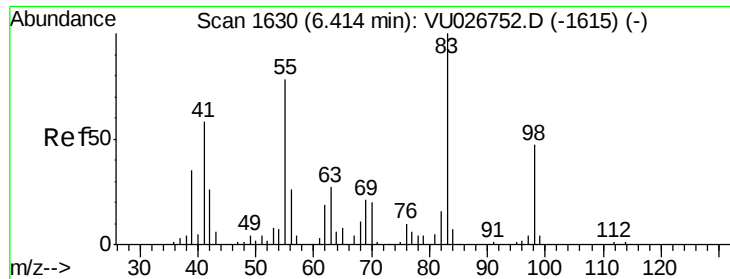
85 70.2 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

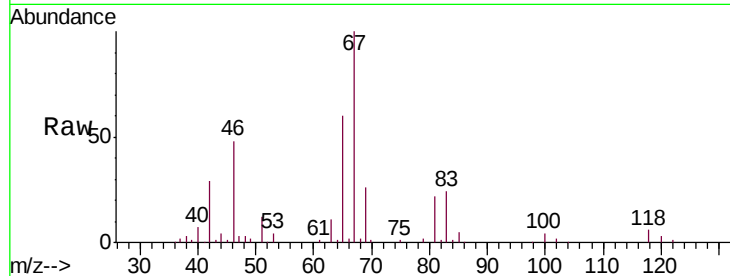
Ion 85.00 (84.70 to 85.70): VU0



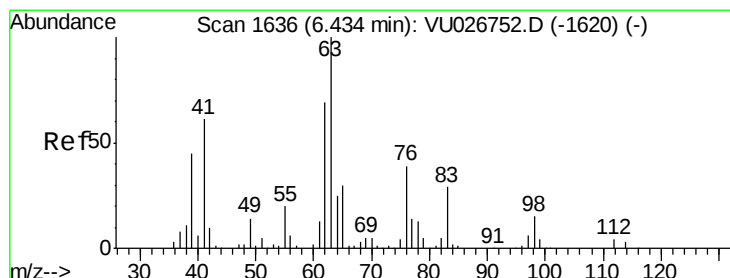
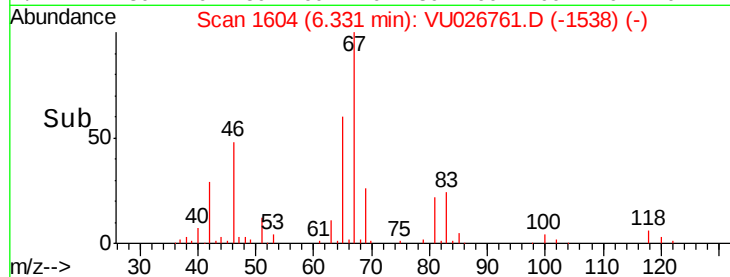
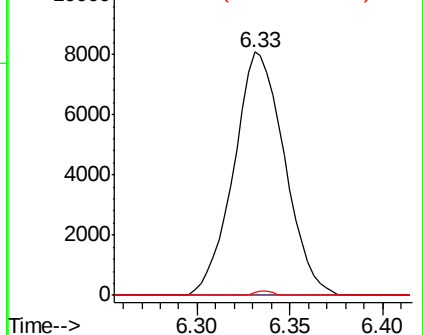


#35
Methylcyclohexane
Concen: 8.640 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026761.D
Acq: 14 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.9	94.3#
98	0.6	37.0	55.4#

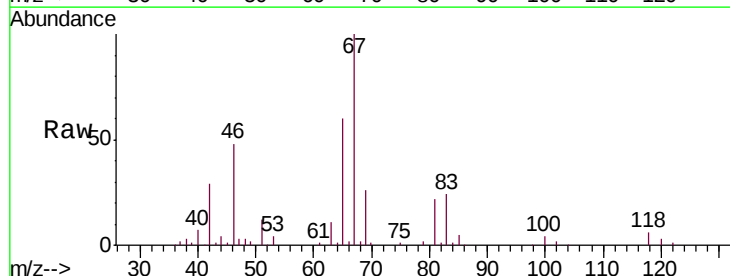


Abundance Ion 83.00 (82.70 to 83.70): VU026761.D (-1538) (-)

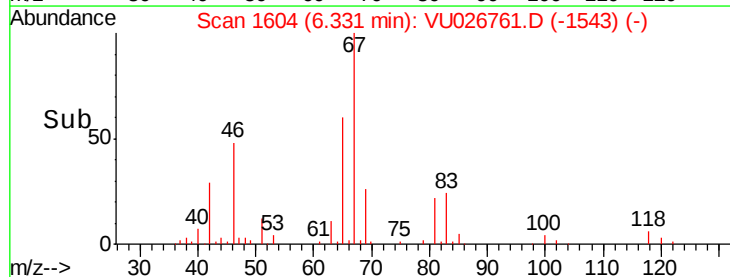
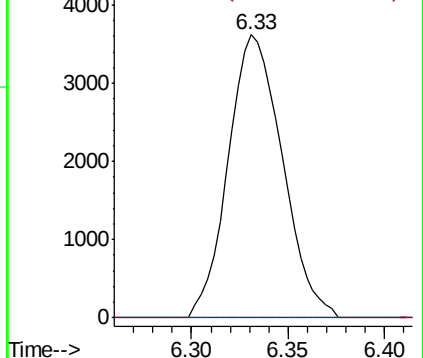


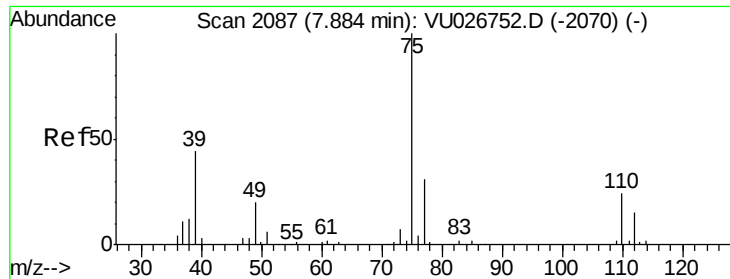
#37
1,2-Dichloropropane
Concen: 5.611 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026761.D
Acq: 14 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.9	4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU026761.D (-1543) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.681 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026761.D

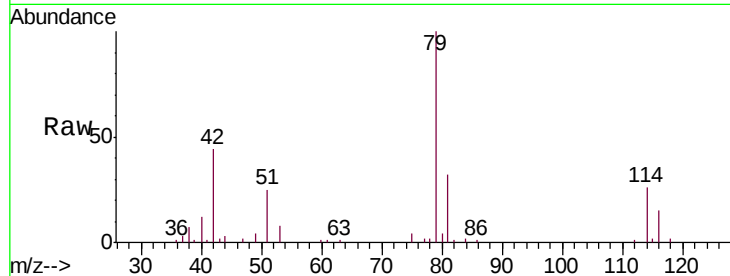
Acq: 14 Sep 2018 13:17

Tgt Ion: 75 Resp: 1175

Ion Ratio Lower Upper

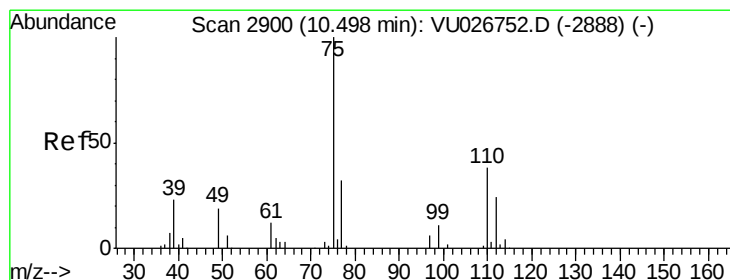
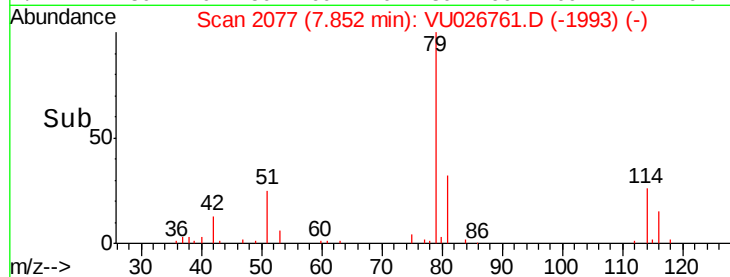
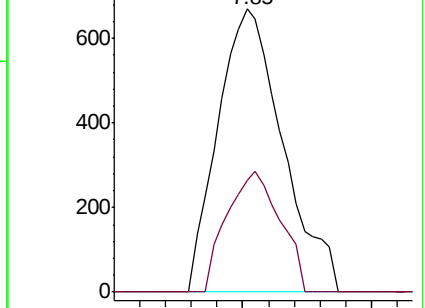
75 100

77 39.8 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.905 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026761.D

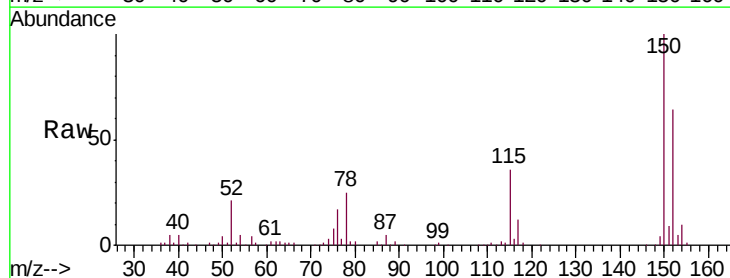
Acq: 14 Sep 2018 13:17

Tgt Ion: 75 Resp: 8755

Ion Ratio Lower Upper

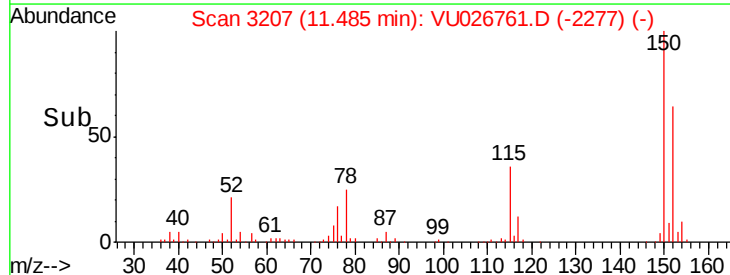
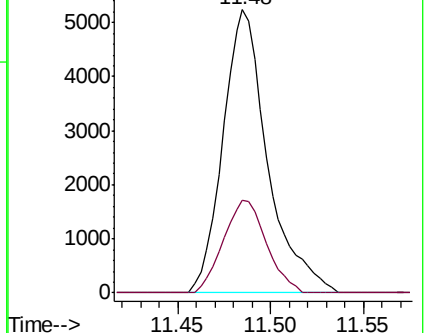
75 100

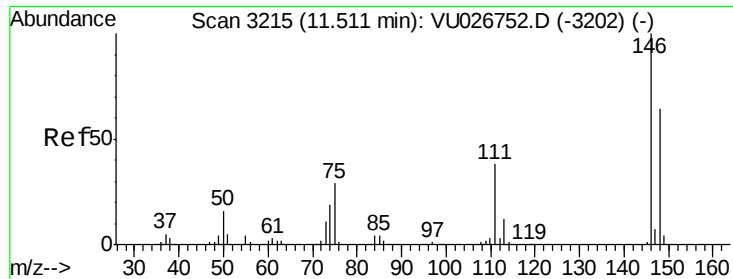
77 31.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 1.767 ug/L

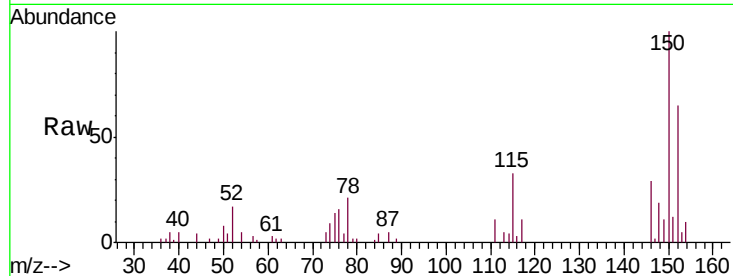
RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

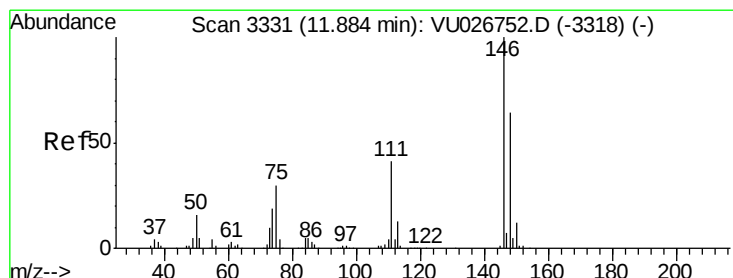
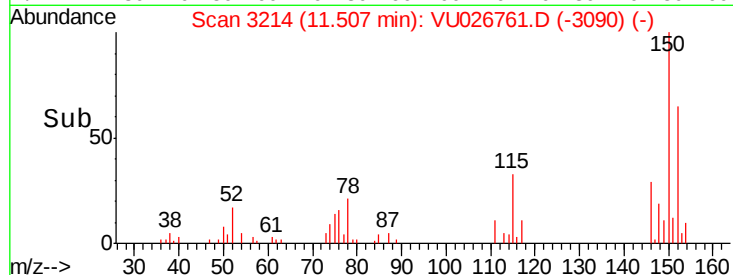
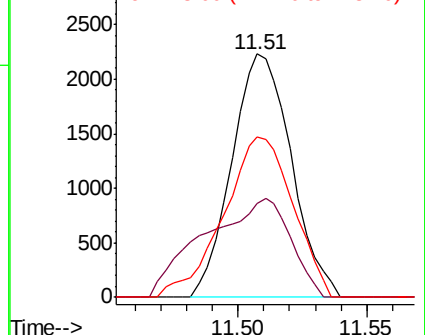
Lab File: VU026761.D

Acq: 14 Sep 2018 13:17

Tgt Ion:	146	Resp:	3590
Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.5	49.3
148	65.9	45.2	84.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.127 ug/L

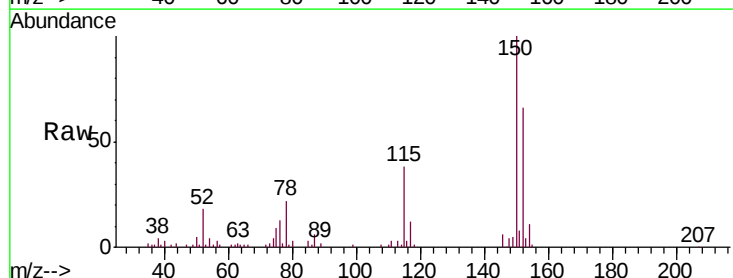
RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

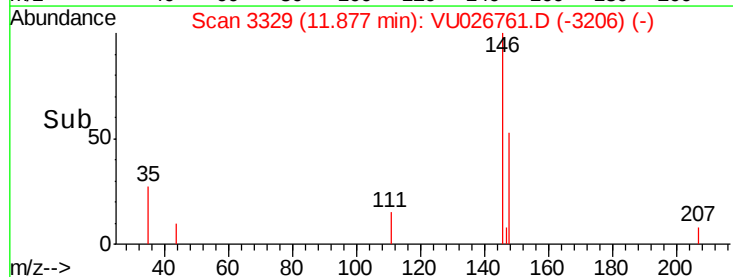
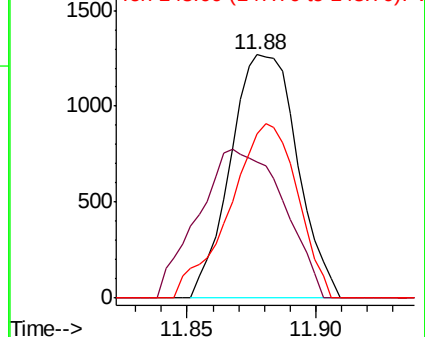
Lab File: VU026761.D

Acq: 14 Sep 2018 13:17

Tgt Ion:	146	Resp:	2285
Ion	Ratio	Lower	Upper
146	100		
111	55.9	32.8	49.2#
148	67.7	52.2	78.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



Data File : VU026762.D
Acq On : 14 Sep 2018 13:40
Operator : MD/SY
Sample : J4893-05DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 15 00:19:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	164382	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	153547	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65133	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54709	44.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.32%
7) Chloroethane-d5	1.68	69	45580	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.34%
11) 1,1-Dichloroethene-d2	2.27	63	76141	34.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.46%
21) 2-Butanone-d5	4.18	46	79940	104.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.87%
24) Chloroform-d	4.65	84	93427	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.74%
26) 1,2-Dichloroethane-d4	5.31	65	63495	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
32) Benzene-d6	5.34	84	189365	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
36) 1,2-Dichloropropane-d6	6.33	67	66391	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.56%
41) Toluene-d8	7.57	98	164639	44.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.30%
43) trans-1,3-Dichloropropene-	7.85	79	27503	44.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.72%
47) 2-Hexanone-d5	8.31	63	54246	99.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85938	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	64226	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	588	0.583 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	706	0.728 ug/L #	1
13) Acetone	2.32	43	708	0.815 ug/L	88
25) Chloroform	4.67	83	2247	1.122 ug/L	95
27) 1,2-Dichloroethane	5.39	62	1106	0.696 ug/L #	75
33) Benzene	5.39	78	106310	24.724 ug/L	100
35) Methylcyclohexane	6.33	83	14593	8.530 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6820	5.678 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1589	0.894 ug/L #	71
44) trans-1,3-Dichloropropene	7.85	75	1005	0.608 ug/L	87
48) 2-Hexanone	8.31	43	6746	5.215 ug/L #	64
51) Chlorobenzene	9.12	112	124158	42.429 ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	911	0.641 ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	3331	1.781 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	45359	22.895 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	48606	24.591 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	4118	2.776 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026762.D
Acq On : 14 Sep 2018 13:40
Operator : MD/SY
Sample : J4893-05DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

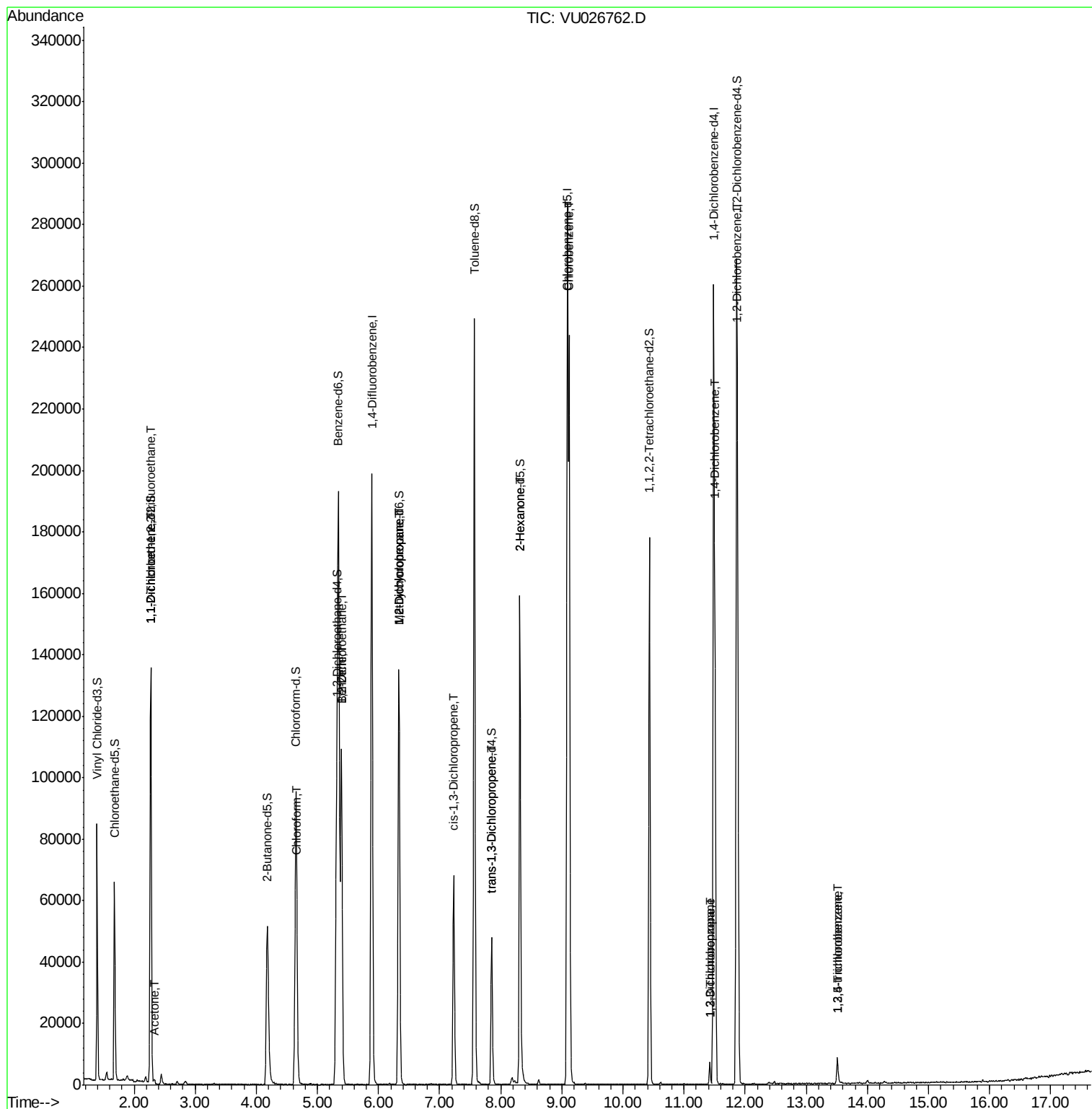
Quant Time: Sep 15 00:19:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

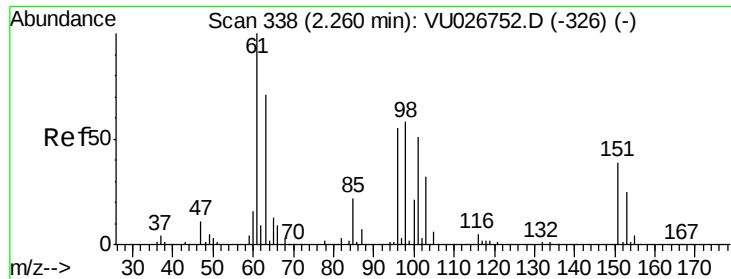
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	4118	3.194	ug/L #	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026762.D
Acq On : 14 Sep 2018 13:40
Operator : MD/SY
Sample : J4893-05DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 15 00:19:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.583 ug/L

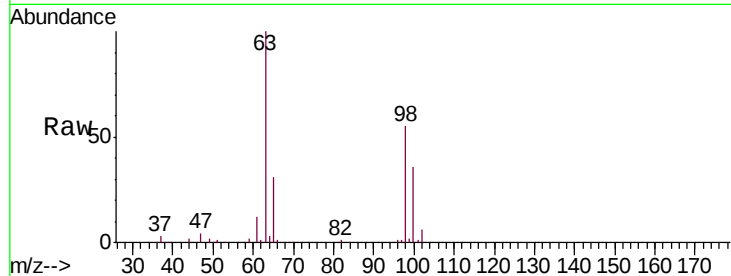
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

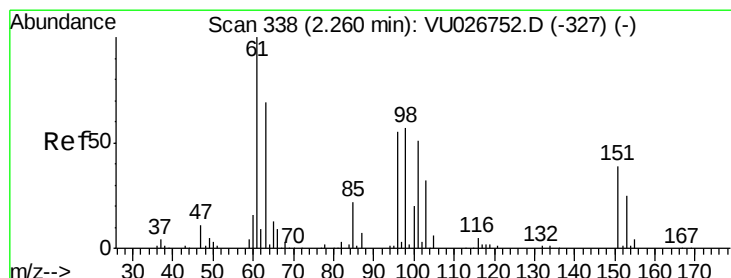
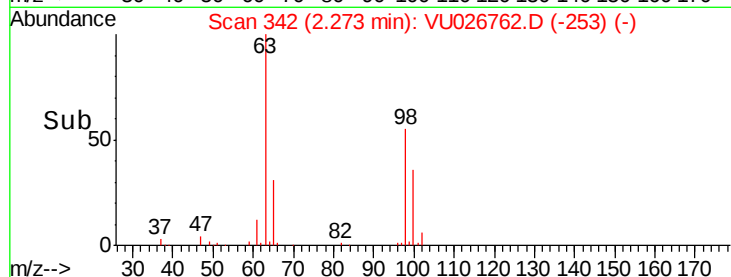
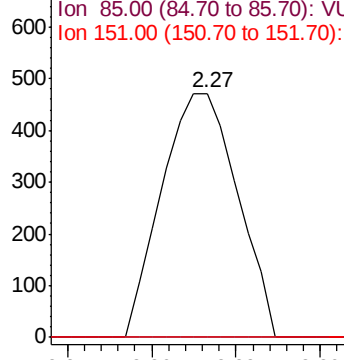
Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

Tgt Ion:	101	Resp:	588
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU0
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.728 ug/L

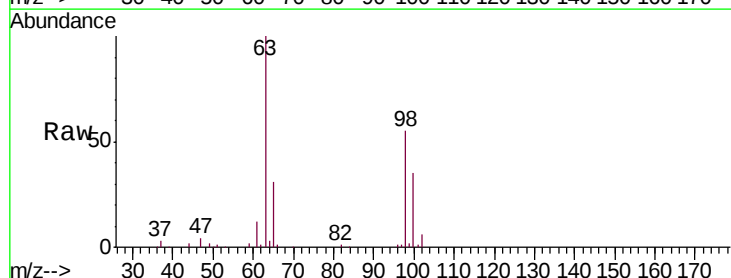
RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

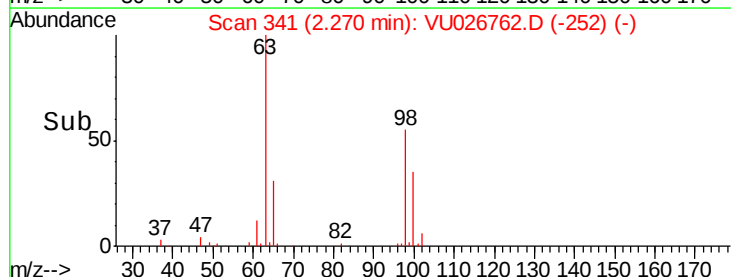
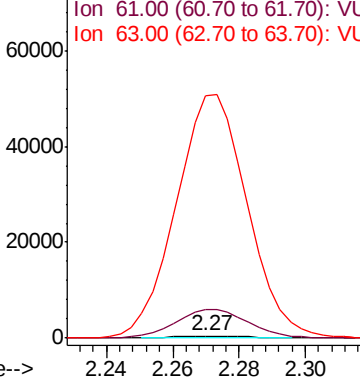
Lab File: VU026762.D

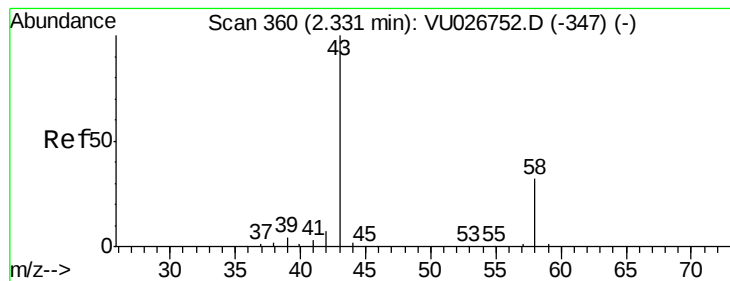
Acq: 14 Sep 2018 13:40

Tgt Ion:	96	Resp:	706
Ion	Ratio	Lower	Upper
96	100		
61	1369.7	121.0	224.8#
63	11684.1	89.9	166.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.815 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026762.D

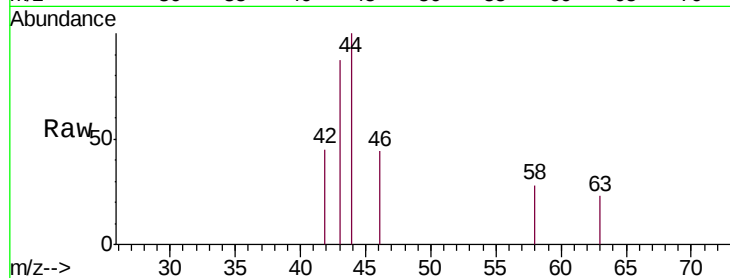
Acq: 14 Sep 2018 13:40

Tgt Ion: 43 Resp: 708

Ion Ratio Lower Upper

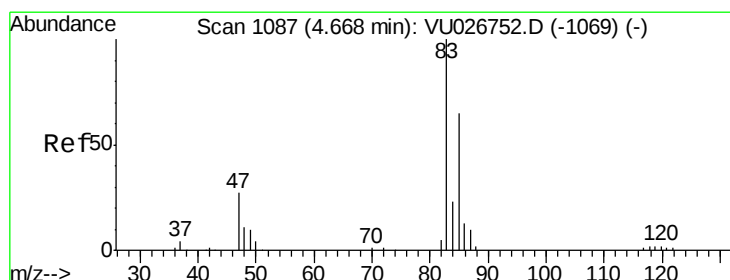
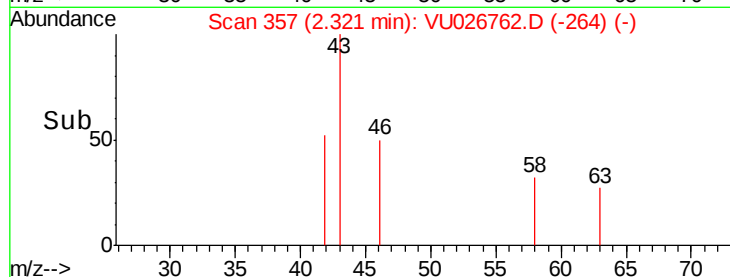
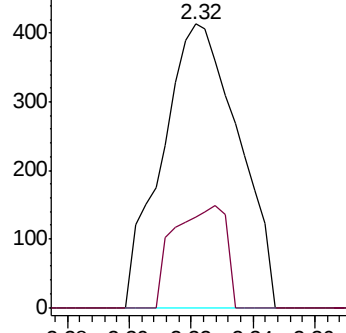
43 100

58 24.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 1.122 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026762.D

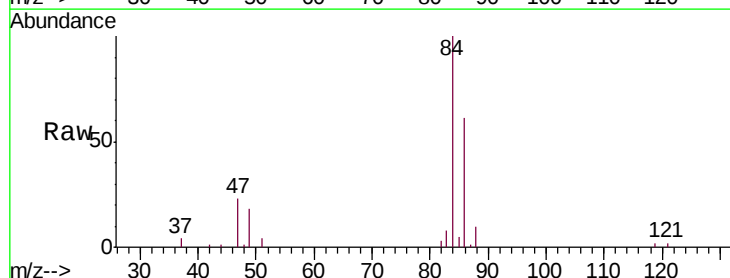
Acq: 14 Sep 2018 13:40

Tgt Ion: 83 Resp: 2247

Ion Ratio Lower Upper

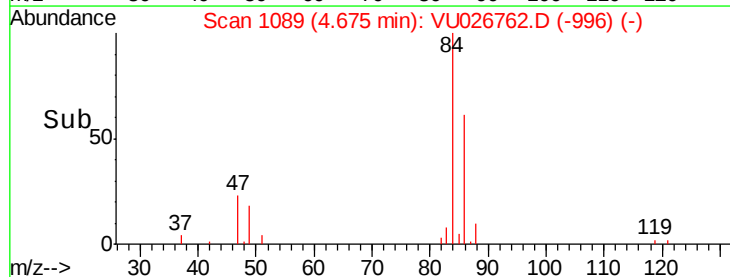
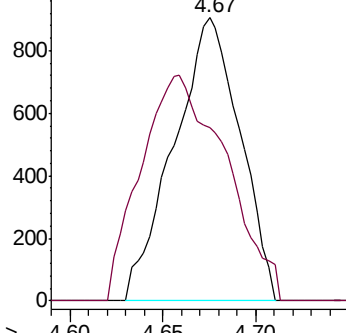
83 100

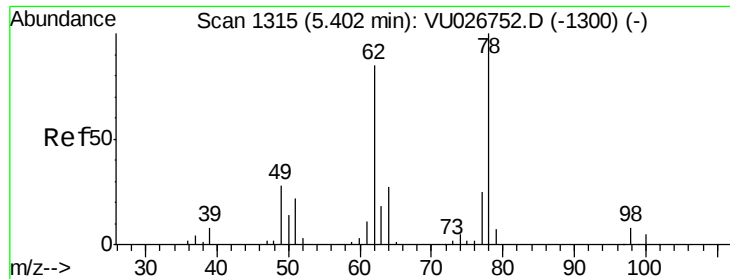
85 61.3 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.696 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VU026762.D

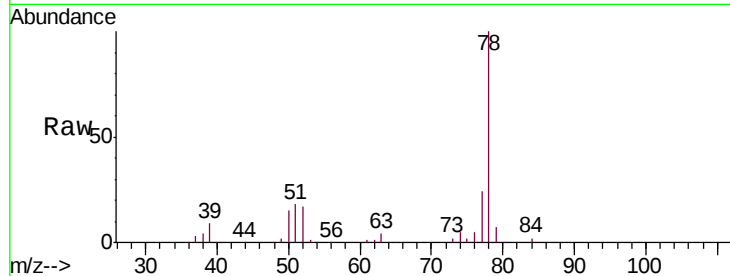
Acq: 14 Sep 2018 13:40

Tgt Ion: 62 Resp: 1106

Ion Ratio Lower Upper

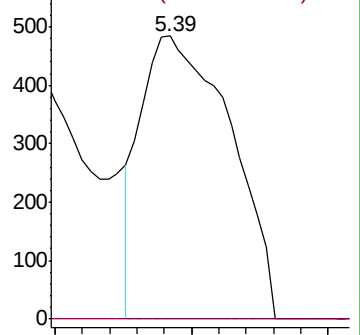
62 100

98 0.0 7.4 11.0#

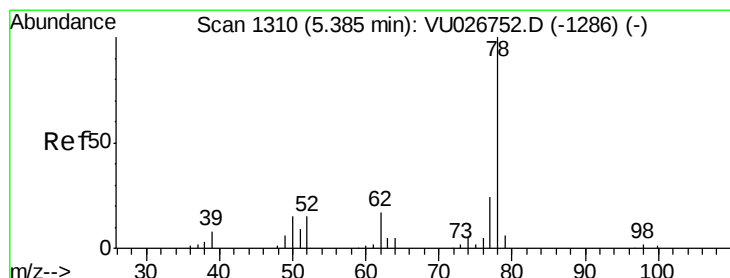
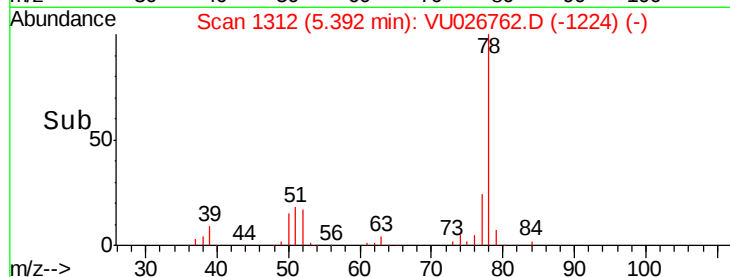


Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time--> 5.35 5.40 5.45



#33

Benzene

Concen: 24.724 ug/L

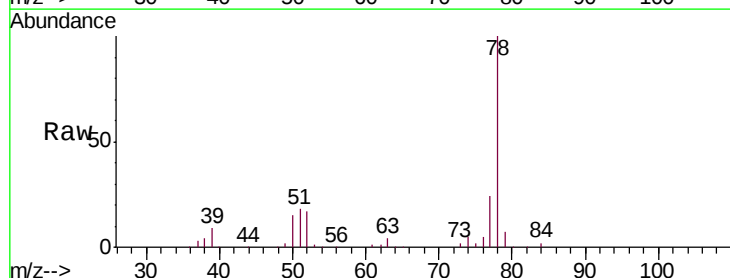
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

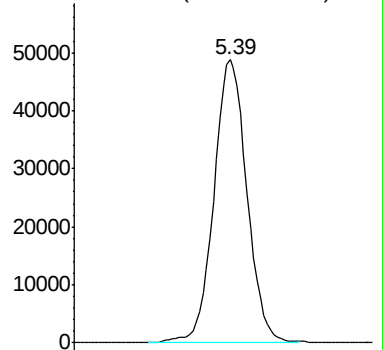
Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

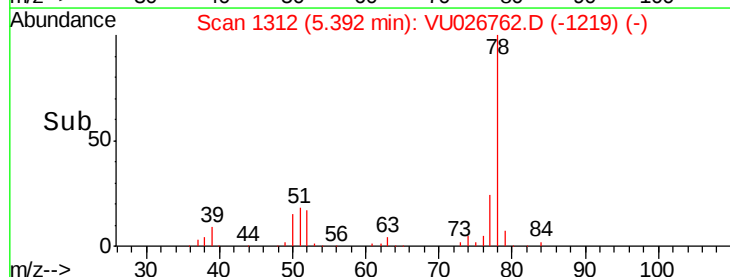
Tgt Ion: 78 Resp: 106310

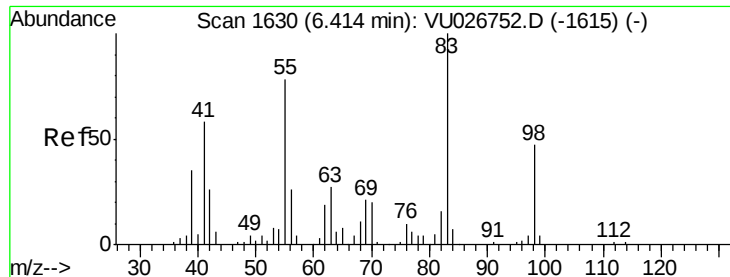


Abundance Ion 78.00 (77.70 to 78.70): VU0



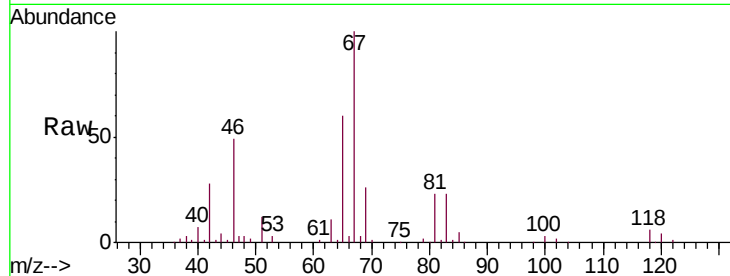
Time--> 5.30 5.40 5.50



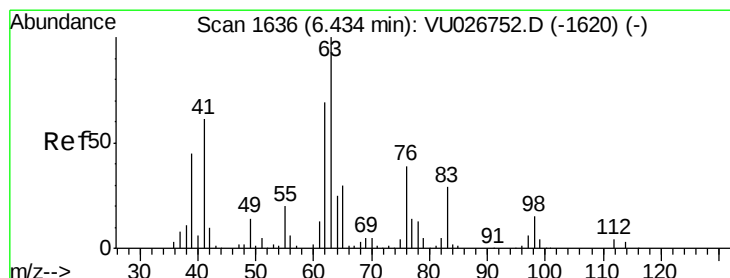
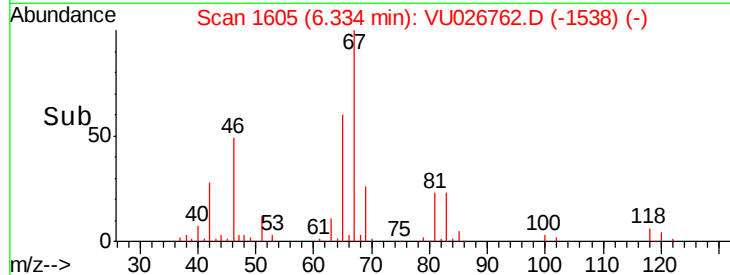
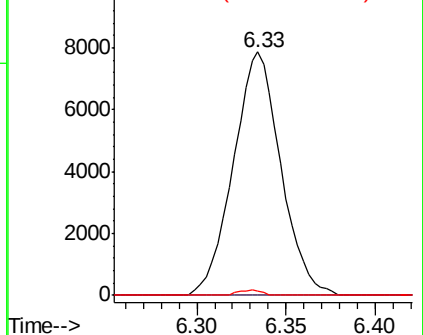


#35
Methylcyclohexane
Concen: 8.530 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

Tgt Ion: 83 Resp: 14593
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 1.1 37.0 55.4#

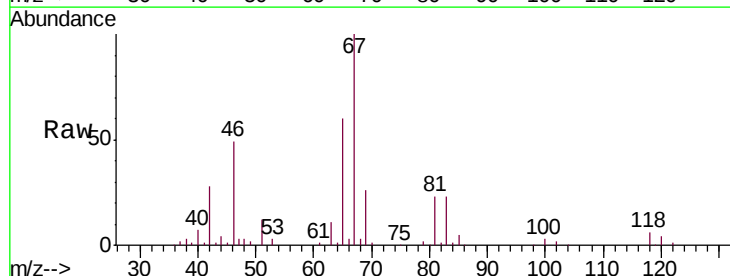


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

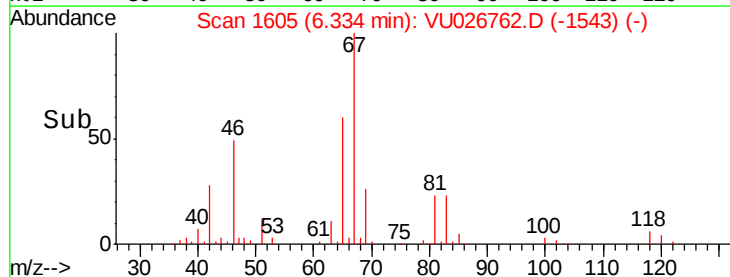
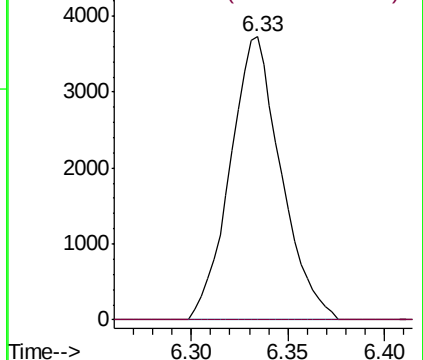


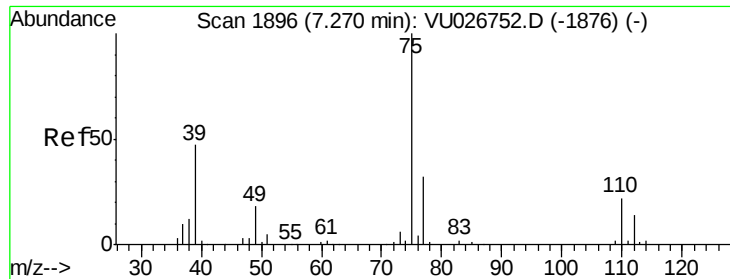
#37
1,2-Dichloropropane
Concen: 5.678 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

Tgt Ion: 63 Resp: 6820
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 0.894 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU026762.D

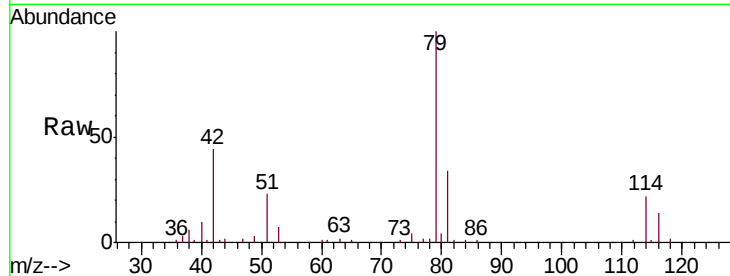
Acq: 14 Sep 2018 13:40

Tgt Ion: 75 Resp: 1589

Ion Ratio Lower Upper

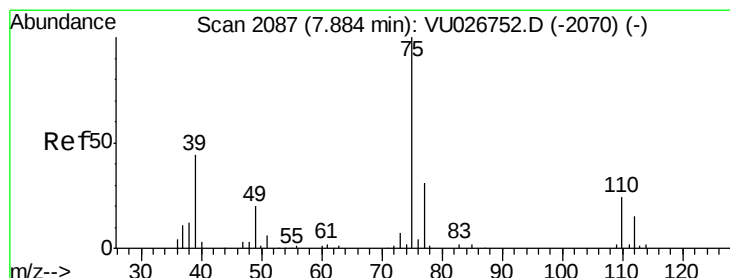
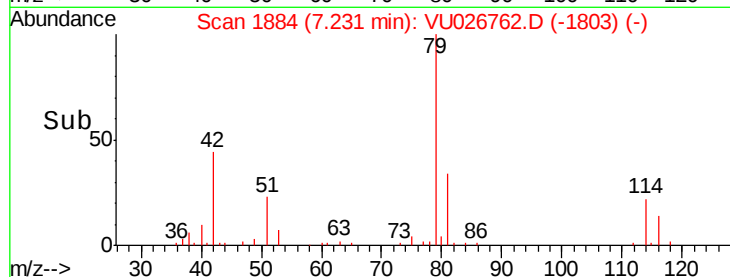
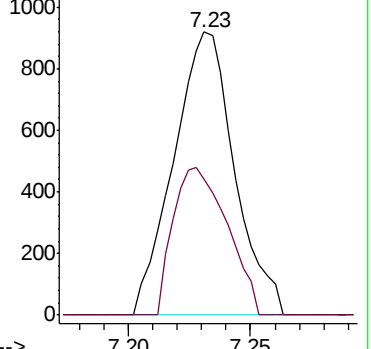
75 100

77 48.1 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.608 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026762.D

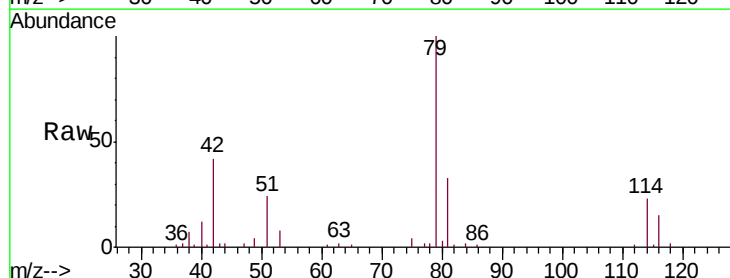
Acq: 14 Sep 2018 13:40

Tgt Ion: 75 Resp: 1005

Ion Ratio Lower Upper

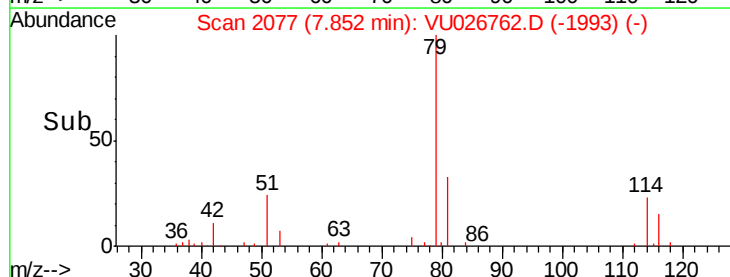
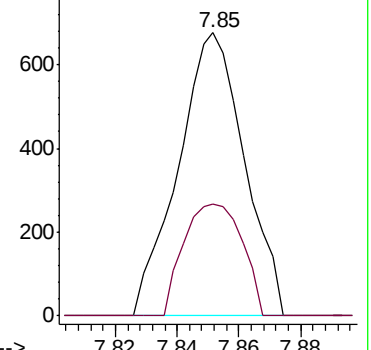
75 100

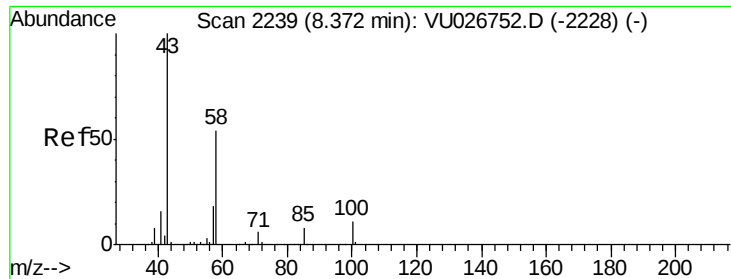
77 39.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#48

2-Hexanone

Concen: 5.215 ug/L

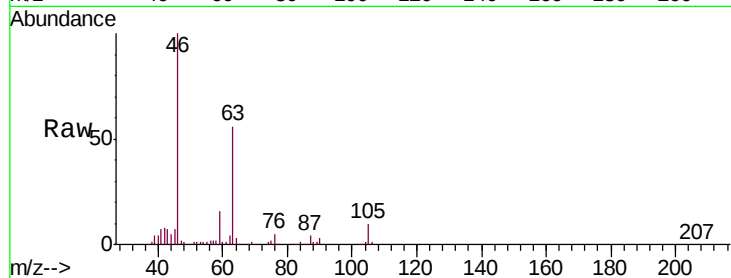
RT: 8.31 min Scan# 2221

Delta R.T. -0.05 min

Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

Tgt Ion:	43	Resp:	6746
Ion	Ratio	Lower	Upper
43	100		
58	23.7	42.2	63.4#
57	29.4	14.4	21.6#
100	0.0	8.7	13.1#

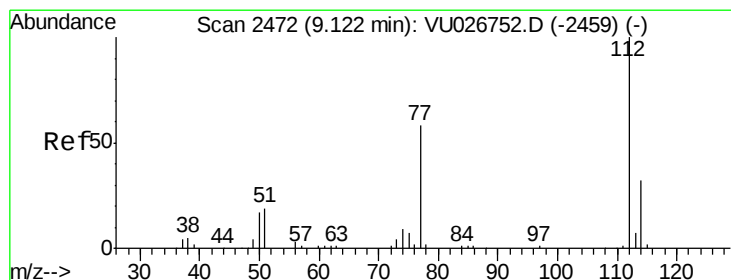
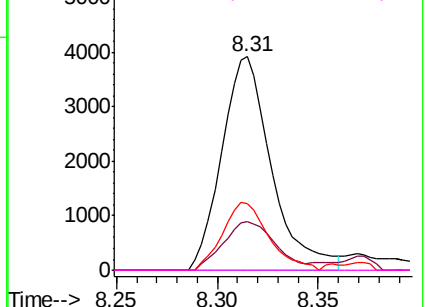
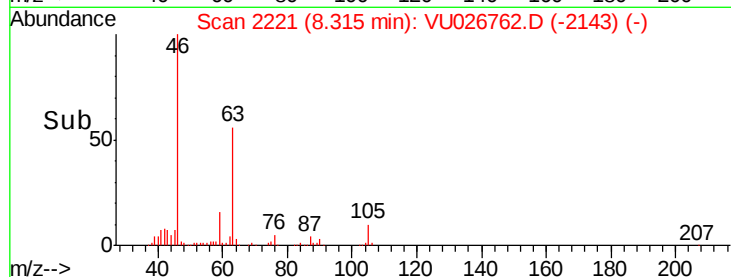


Abundance Ion 43.00 (42.70 to 43.70): VU026762.D (-2228) (-)

Ion 58.00 (57.70 to 58.70): VU026762.D (-2228) (-)

Ion 57.00 (56.70 to 57.70): VU026762.D (-2228) (-)

Ion 100.00 (99.70 to 100.70): VU026762.D (-2228) (-)



#51

Chlorobenzene

Concen: 42.429 ug/L

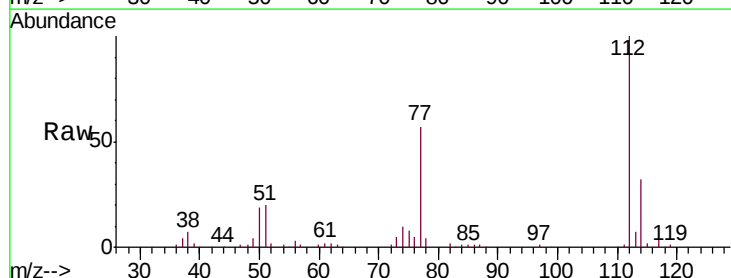
RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

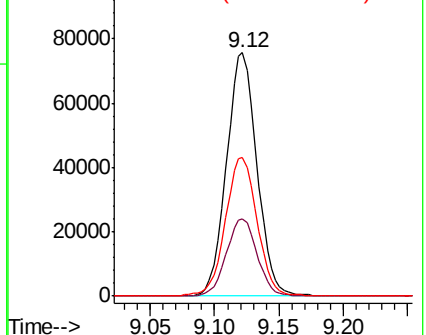
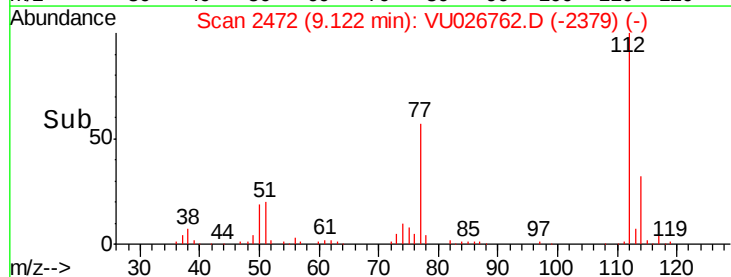
Tgt Ion:	112	Resp:	124158
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.9	42.5
77	56.7	47.2	70.8

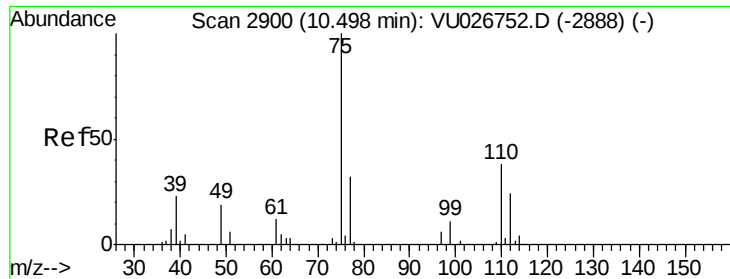


Abundance Ion 112.00 (111.70 to 112.70): VU026762.D (-2459) (-)

Ion 114.00 (113.70 to 114.70): VU026762.D (-2459) (-)

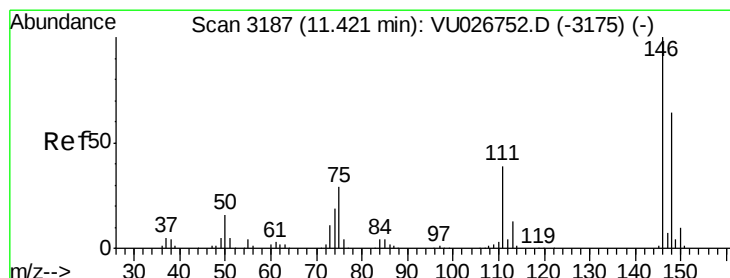
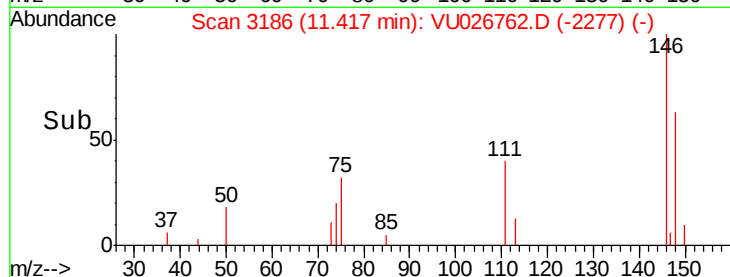
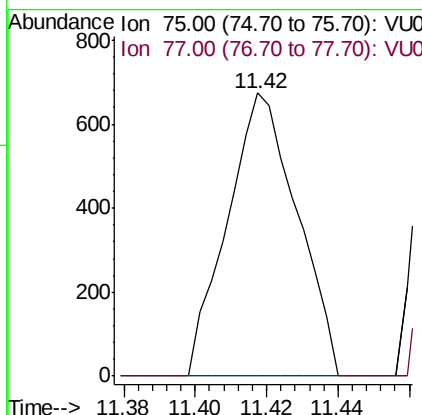
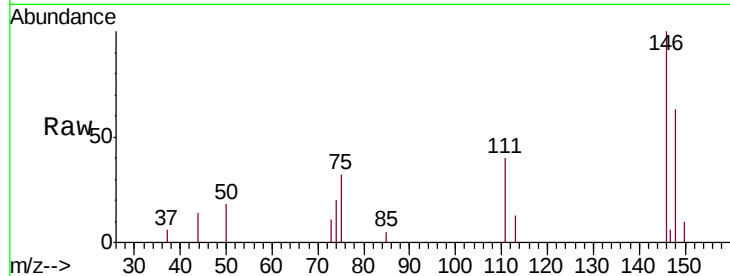
Ion 77.00 (76.70 to 77.70): VU026762.D (-2459) (-)





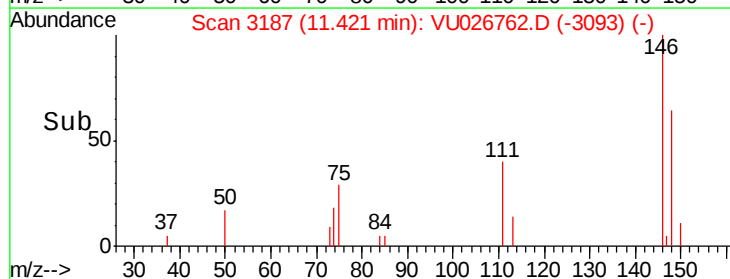
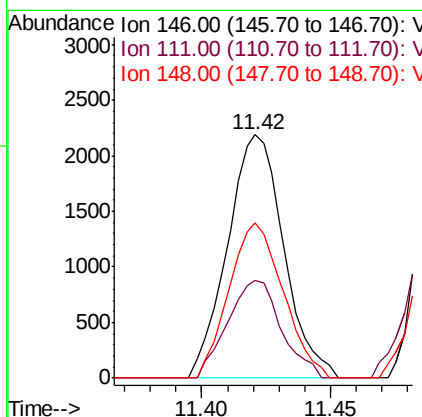
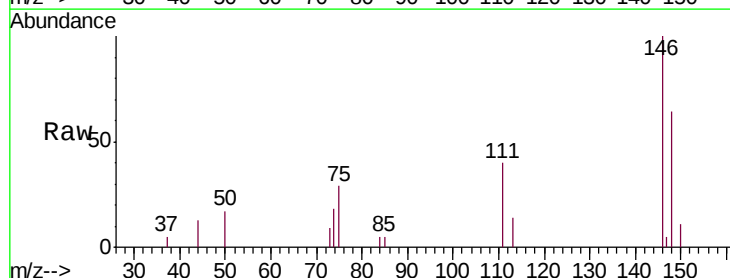
#59
 1,2,3-Trichloropropane
 Concen: 0.641 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.92 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

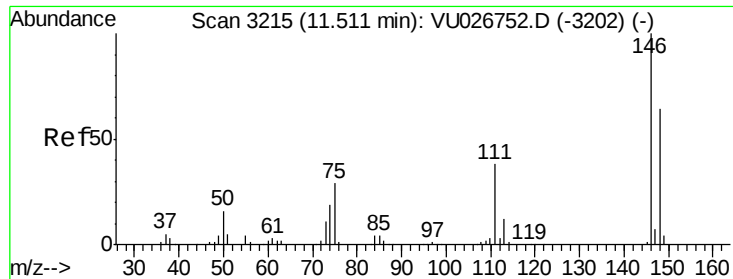
Tgt Ion: 75 Resp: 911
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#62
 1,3-Dichlorobenzene
 Concen: 1.781 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

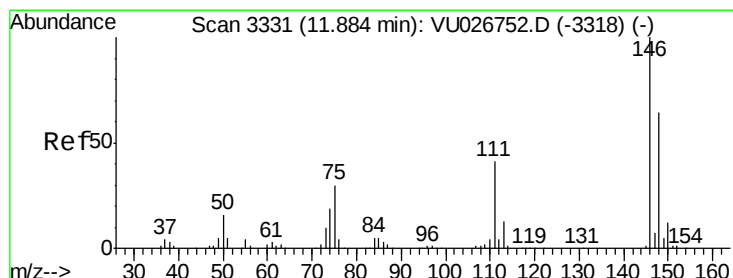
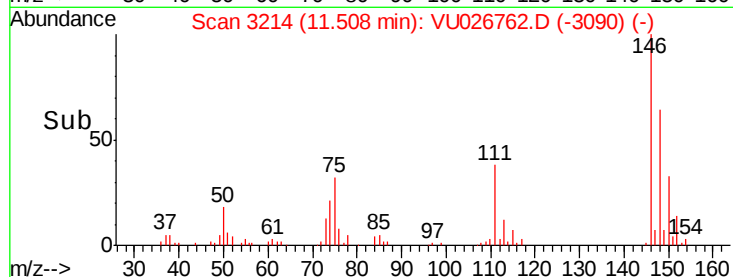
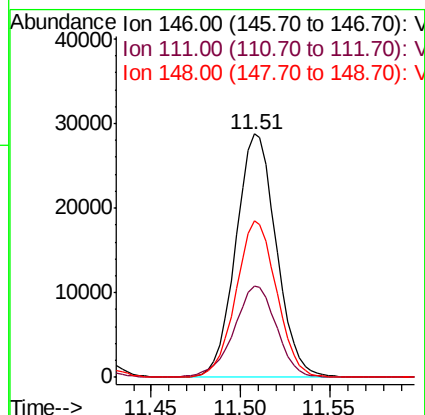
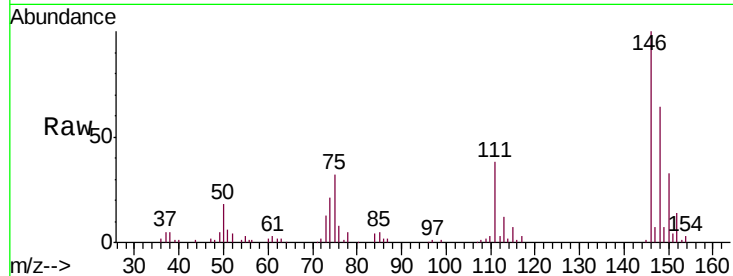
Tgt Ion: 146 Resp: 3331
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.7 49.5
 148 63.6 44.2 82.2





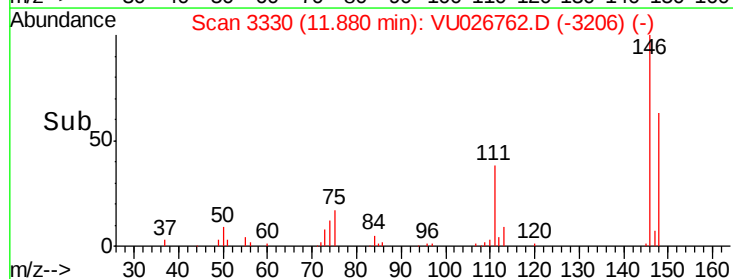
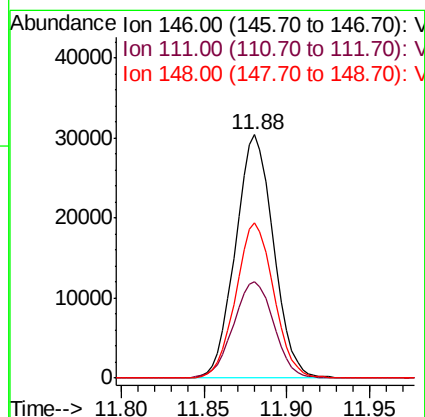
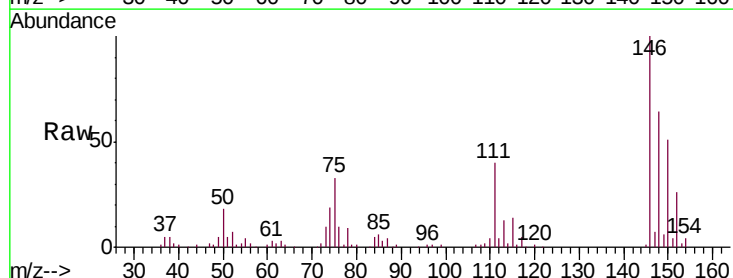
#63
1,4-Dichlorobenzene
Concen: 22.895 ug/L
RT: 11.51 min Scan# 3214
Delta R.T. -0.00 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

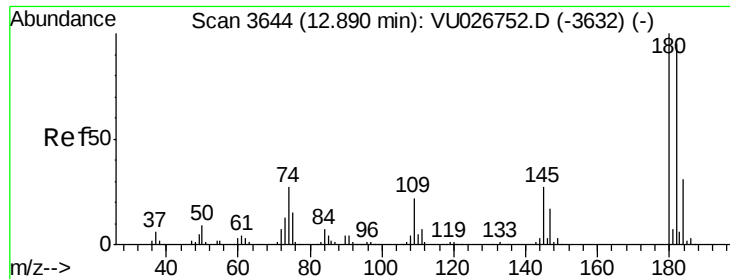
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.5	49.3
148	64.1	45.2	84.0



#65
1,2-Dichlorobenzene
Concen: 24.591 ug/L
RT: 11.88 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

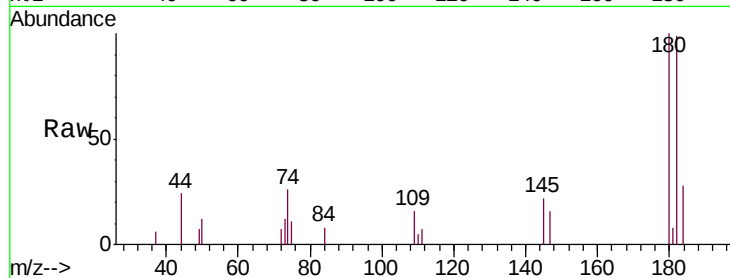
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	32.8	49.2
148	63.8	52.2	78.4



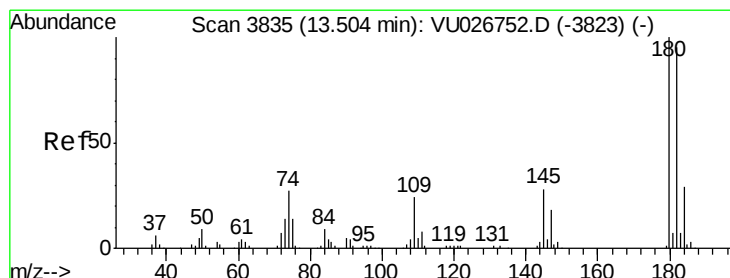
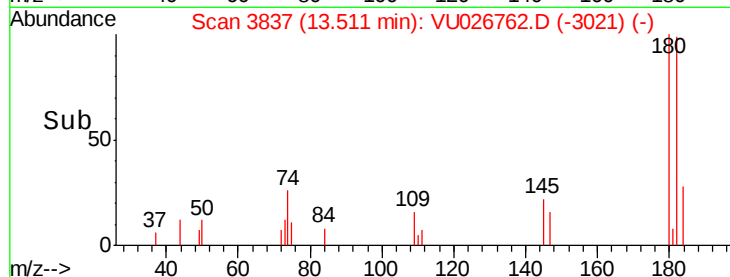
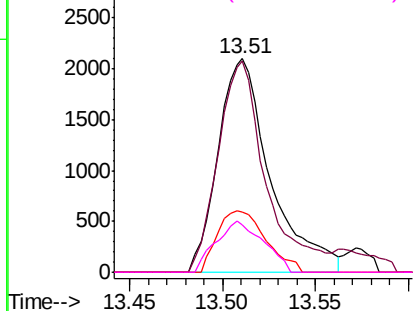


#67
 1,3,5-Trichlorobenzene
 Concen: 2.776 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.62 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

Tgt Ion:	180	Resp:	4118
Ion	Ratio	Lower	Upper
180	100		
182	89.8	76.8	115.2
184	26.4	24.2	36.2
145	21.6	21.4	32.2

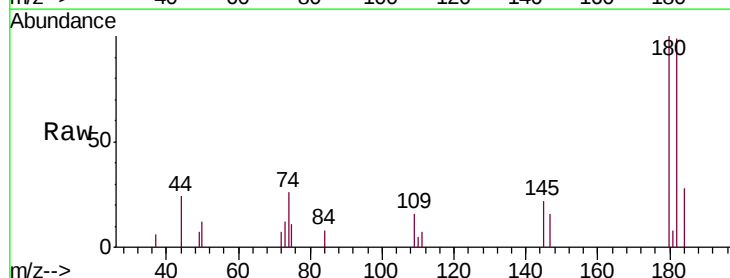


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

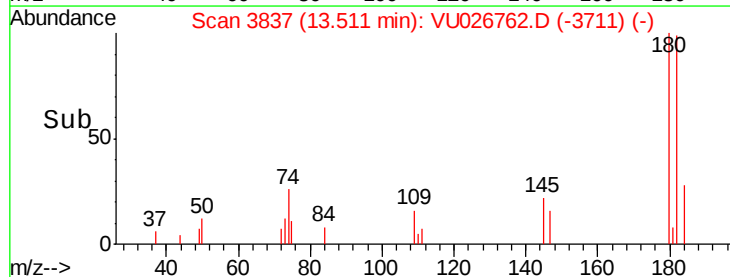
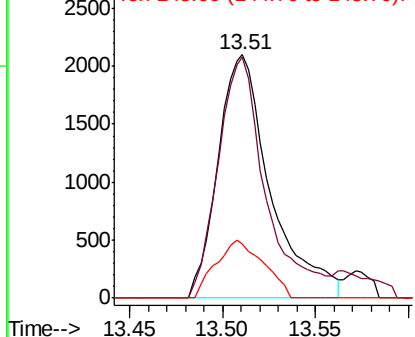


#68
 1,2,4-trichlorobenzene
 Concen: 3.194 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

Tgt Ion:	180	Resp:	4118
Ion	Ratio	Lower	Upper
180	100		
182	89.8	76.0	114.0
145	21.6	23.4	35.0#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



Data File : VU026763.D
Acq On : 14 Sep 2018 14:03
Operator : MD/SY
Sample : J4893-06DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 15 00:19:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	167137	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	158750	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68642	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54183	43.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.00%
7) Chloroethane-d5	1.68	69	45833	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.34%
11) 1,1-Dichloroethene-d2	2.27	63	77654	34.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.68%
21) 2-Butanone-d5	4.18	46	81619	105.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.30%
24) Chloroform-d	4.65	84	92871	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	5.31	65	63006	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
32) Benzene-d6	5.34	84	191585	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
36) 1,2-Dichloropropane-d6	6.33	67	65854	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.52%
41) Toluene-d8	7.57	98	168051	43.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.18%
43) trans-1,3-Dichloropropene-	7.85	79	27811	43.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.78%
47) 2-Hexanone-d5	8.31	63	53963	95.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87185	46.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	65838	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	714	0.696 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	670	0.680 ug/L #	1
13) Acetone	2.32	43	1009	1.143 ug/L	78
35) Methylcyclohexane	6.33	83	14385	8.133 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6784	5.462 ug/L #	89
44) trans-1,3-Dichloropropene	7.85	75	1123	0.657 ug/L	91
48) 2-Hexanone	8.31	43	6666	4.984 ug/L #	68
51) Chlorobenzene	9.12	112	56524	18.683 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	1417	0.964 ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	4991	2.532 ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	35147	16.833 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	93722	44.993 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	25893	16.562 ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	25893	19.055 ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	3946	2.681 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026763.D
Acq On : 14 Sep 2018 14:03
Operator : MD/SY
Sample : J4893-06DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

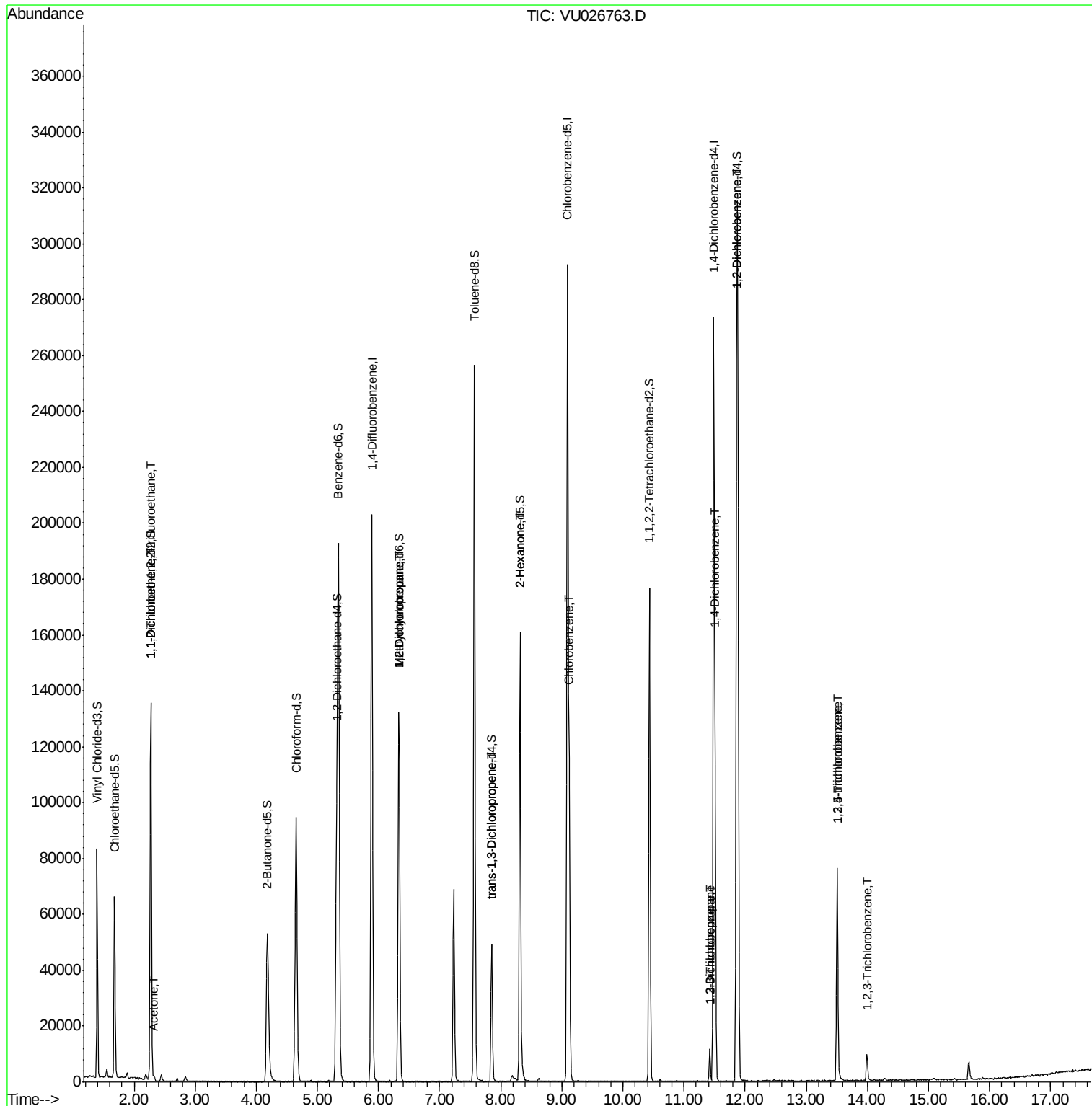
Quant Time: Sep 15 00:19:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

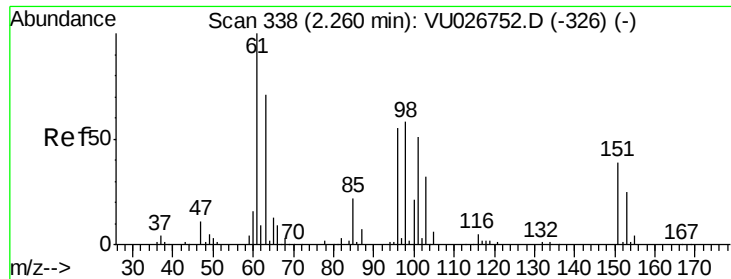
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data File : VU026763.D
Acq On : 14 Sep 2018 14:03
Operator : MD/SY
Sample : J4893-06DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 15 00:19:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.696 ug/L

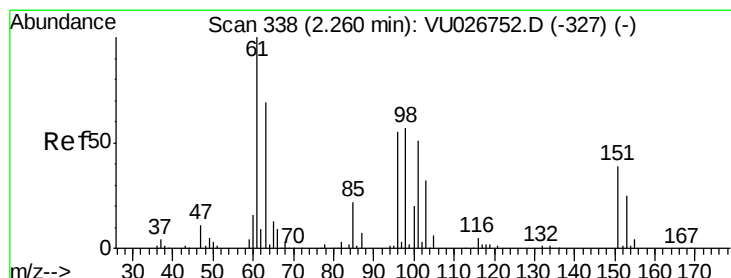
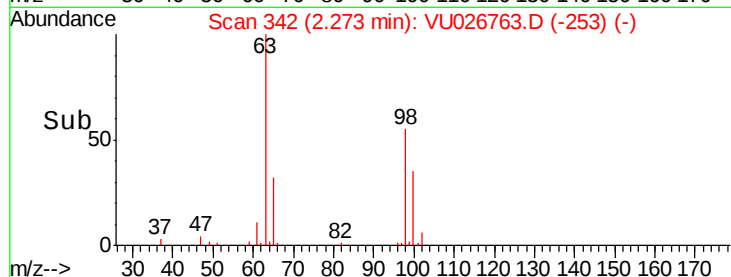
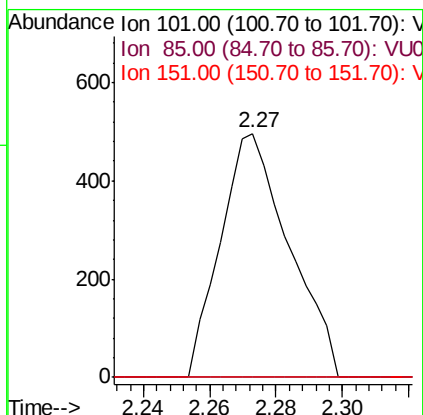
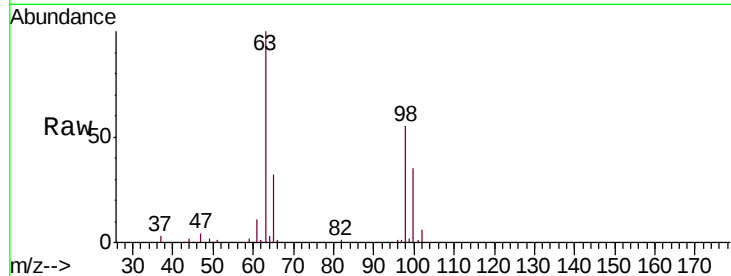
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026763.D

Acq: 14 Sep 2018 14:03

Tgt Ion:	101	Resp:	714
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



#12

1,1-Dichloroethene

Concen: 0.680 ug/L

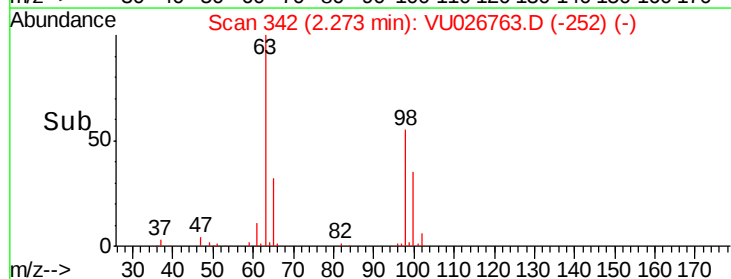
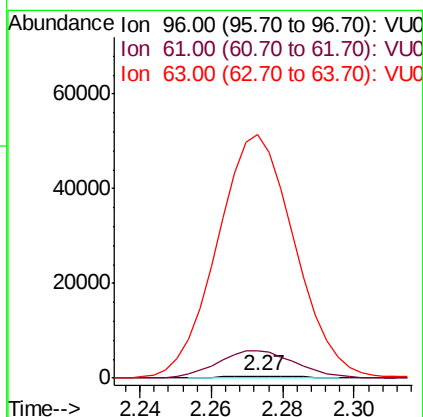
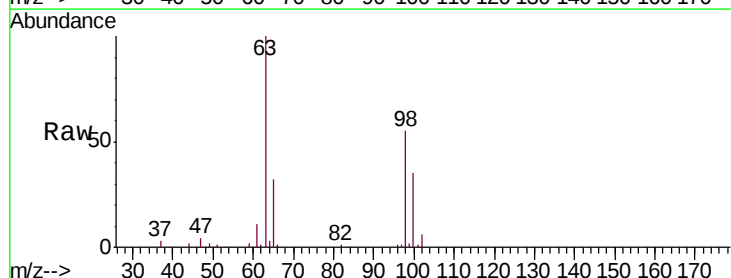
RT: 2.27 min Scan# 342

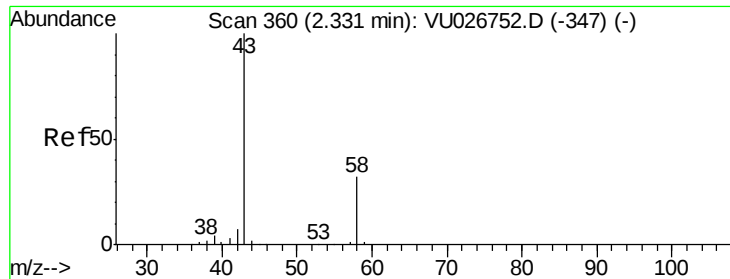
Delta R.T. -0.01 min

Lab File: VU026763.D

Acq: 14 Sep 2018 14:03

Tgt Ion:	96	Resp:	670
Ion	Ratio	Lower	Upper
96	100		
61	1273.4	121.0	224.8#
63	11226.2	89.9	166.9#





#13

Acetone

Concen: 1.143 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026763.D

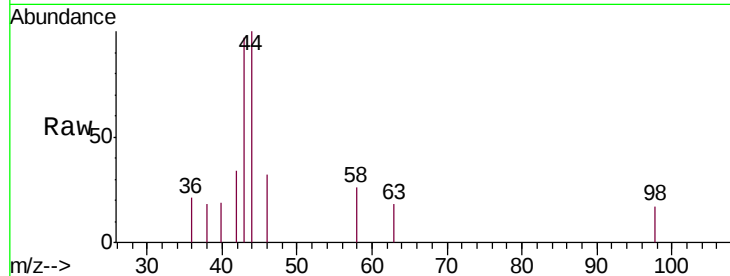
Acq: 14 Sep 2018 14:03

Tgt Ion: 43 Resp: 1009

Ion Ratio Lower Upper

43 100

58 19.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

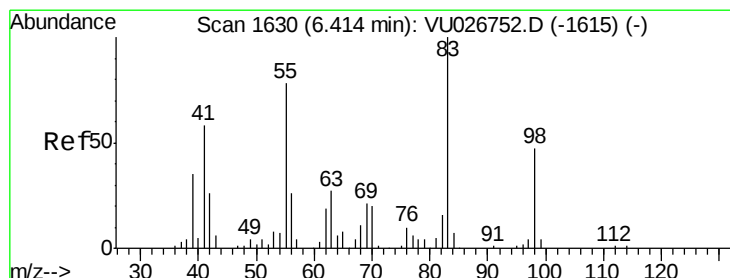
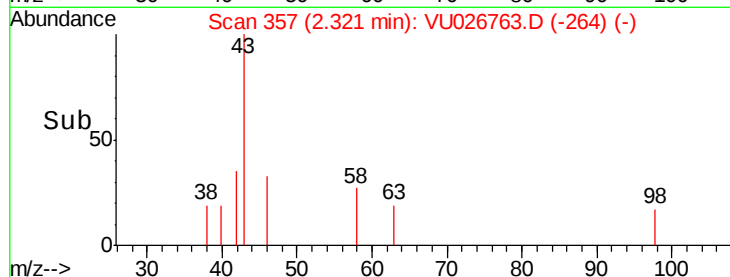
2.32

400

200

0

Time--> 2.28 2.30 2.32 2.34 2.36



#35

Methylcyclohexane

Concen: 8.133 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026763.D

Acq: 14 Sep 2018 14:03

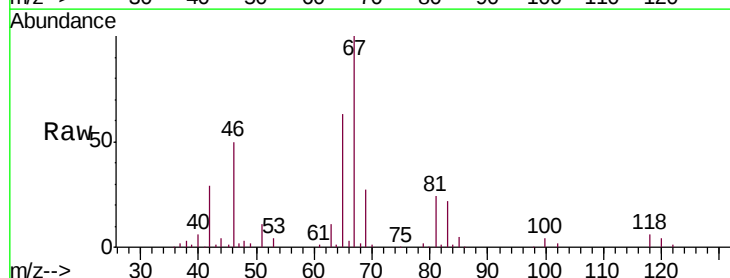
Tgt Ion: 83 Resp: 14385

Ion Ratio Lower Upper

83 100

55 0.0 62.9 94.3#

98 0.7 37.0 55.4#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

10000

8000

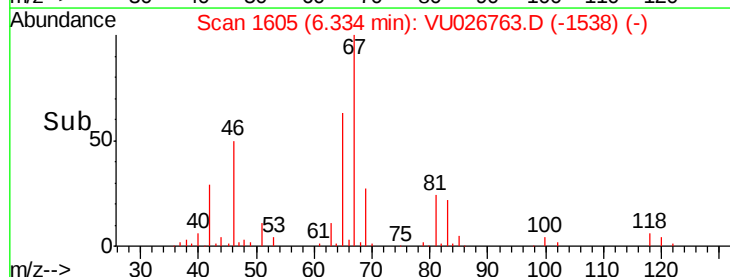
6000

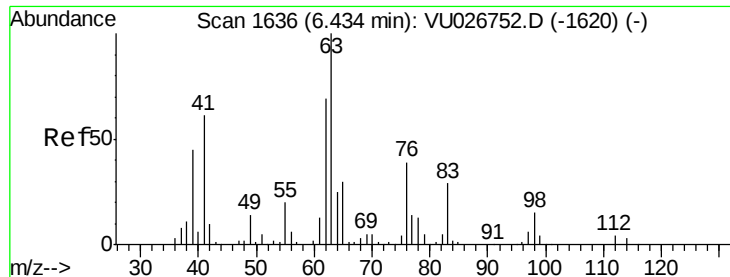
4000

2000

0

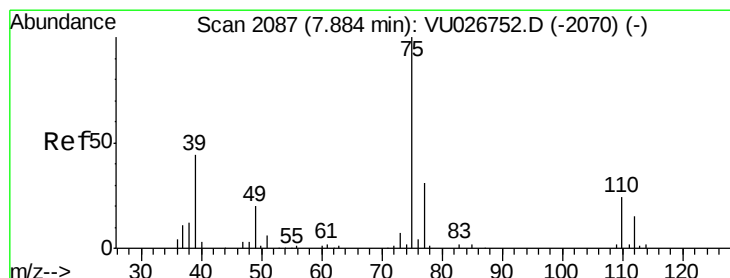
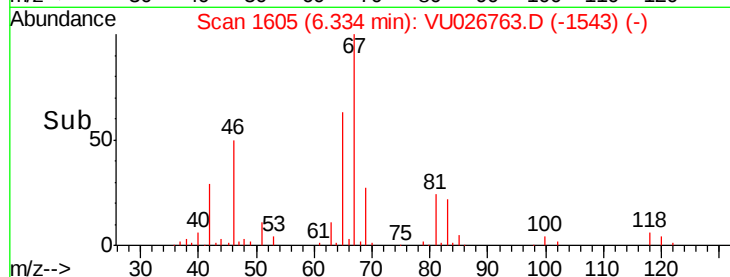
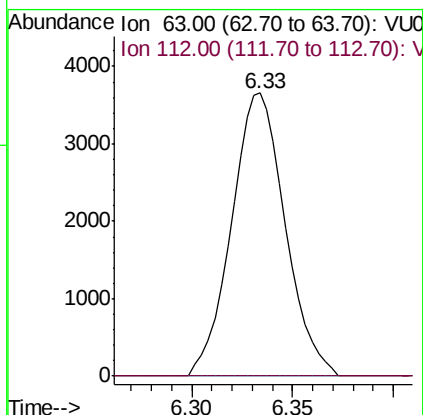
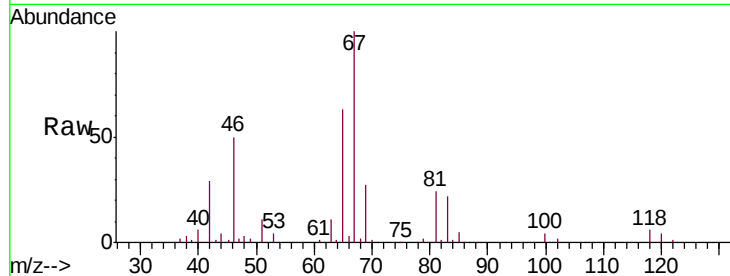
Time--> 6.30 6.32 6.34 6.36 6.38 6.40





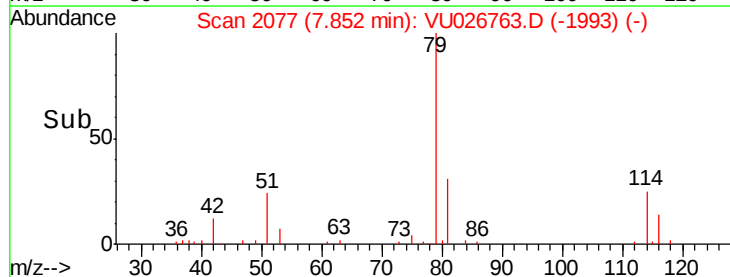
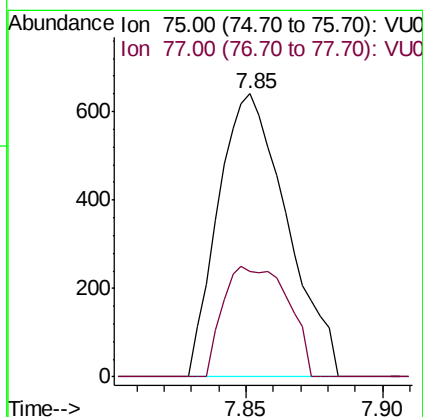
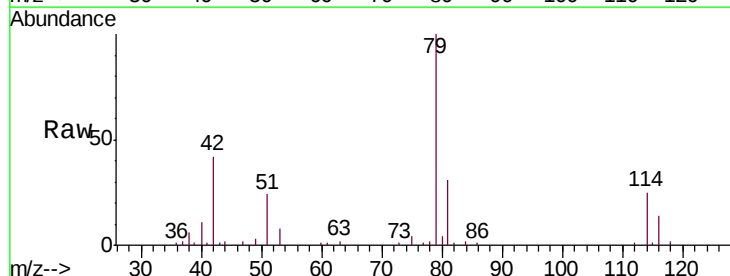
#37
 1,2-Dichloropropane
 Concen: 5.462 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

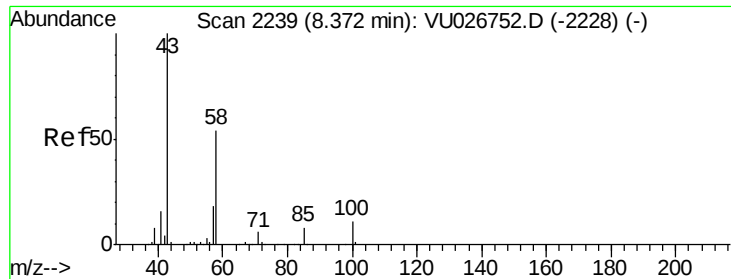
Tgt Ion: 63 Resp: 6784
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.657 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

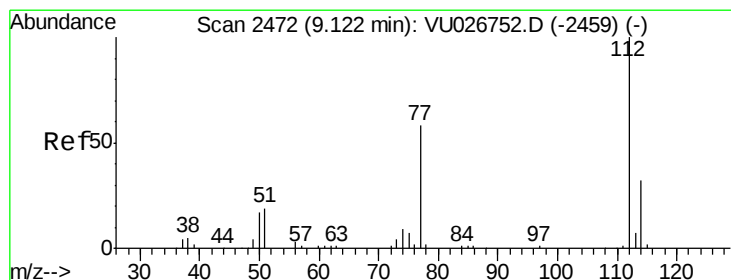
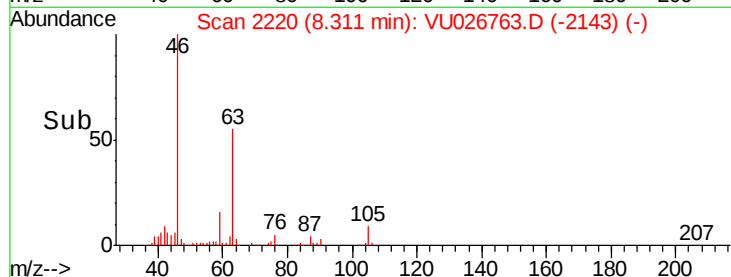
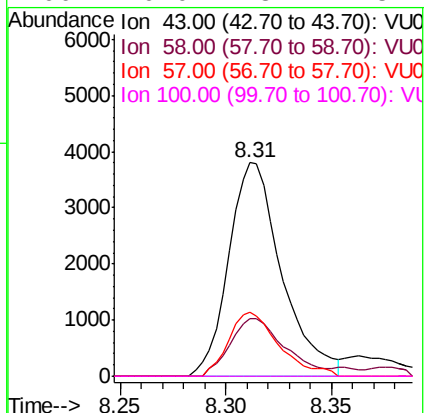
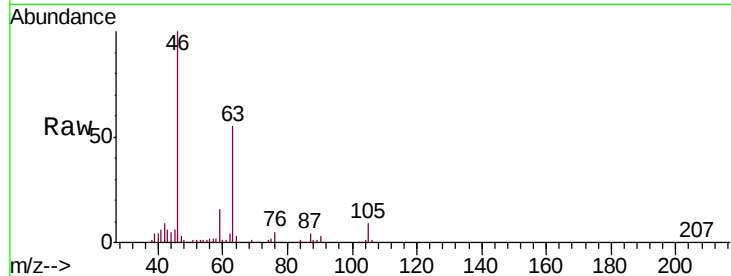
Tgt Ion: 75 Resp: 1123
 Ion Ratio Lower Upper
 75 100
 77 37.2 22.4 41.6





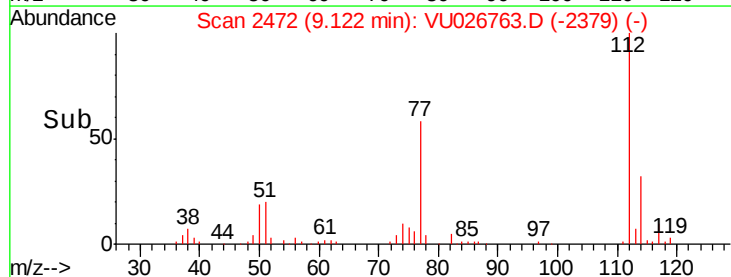
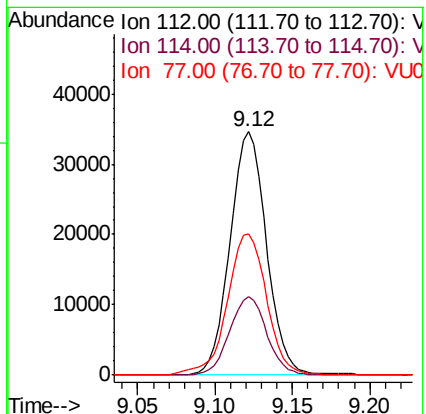
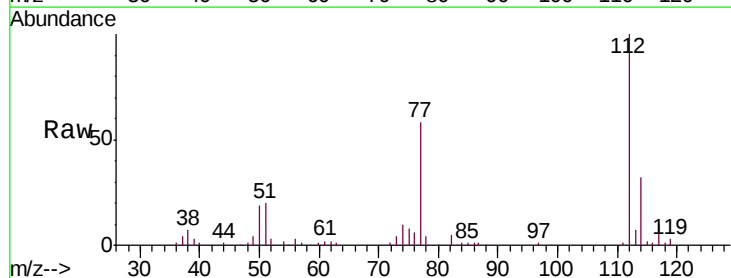
#48
 2-Hexanone
 Concen: 4.984 ug/L
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

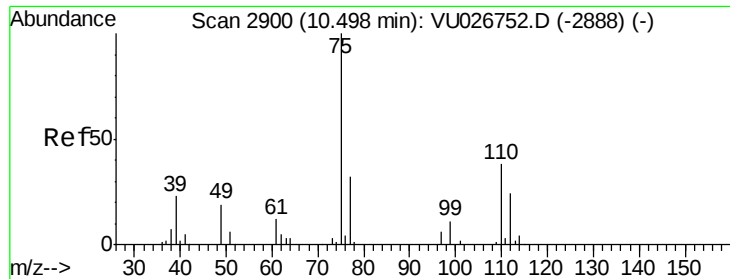
Tgt Ion: 43 Resp: 6666
 Ion Ratio Lower Upper
 43 100
 58 27.6 42.2 63.4#
 57 27.6 14.4 21.6#
 100 0.0 8.7 13.1#



#51
 Chlorobenzene
 Concen: 18.683 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

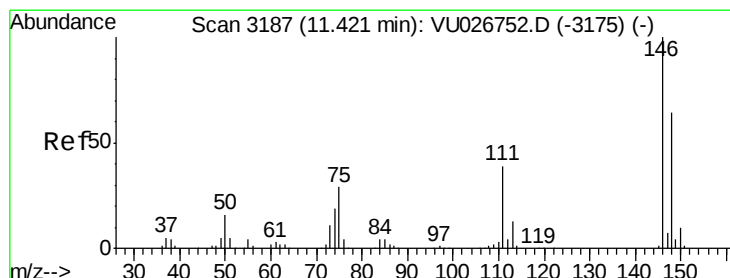
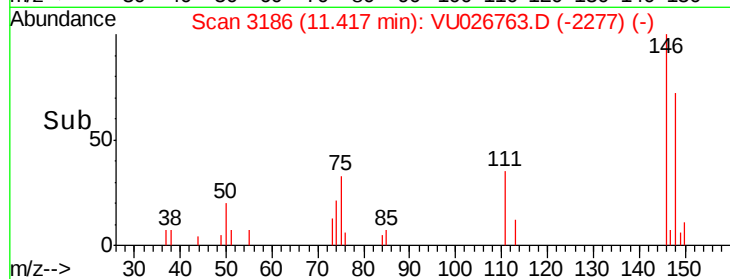
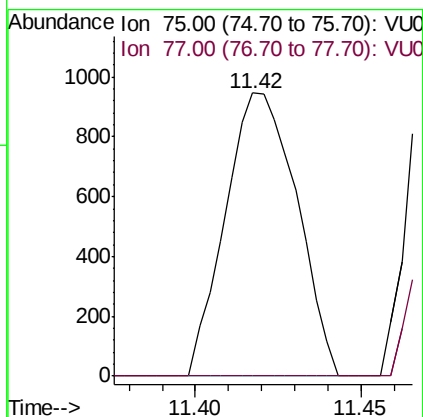
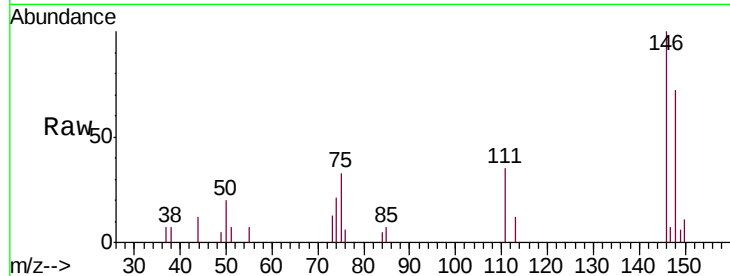
Tgt Ion: 112 Resp: 56524
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.9 42.5
 77 58.3 47.2 70.8





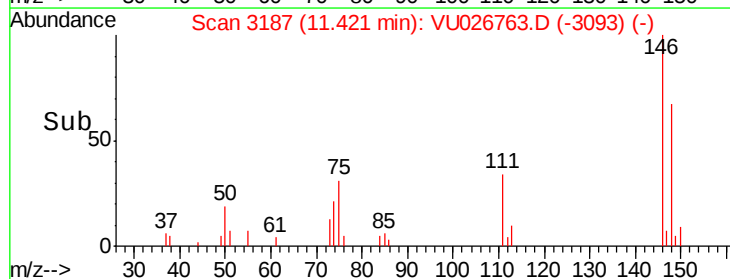
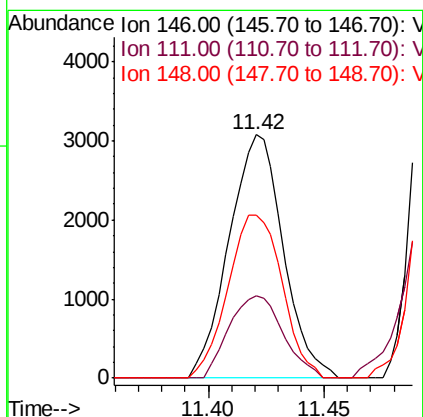
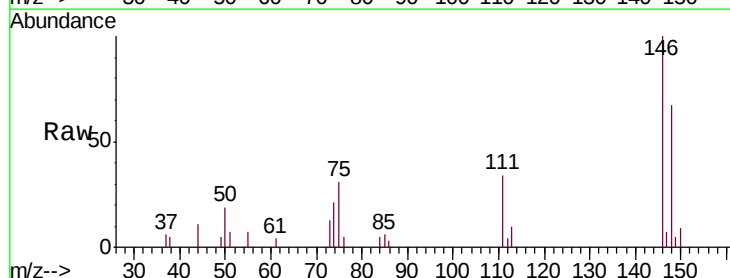
#59
 1,2,3-Trichloropropane
 Concen: 0.964 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.92 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

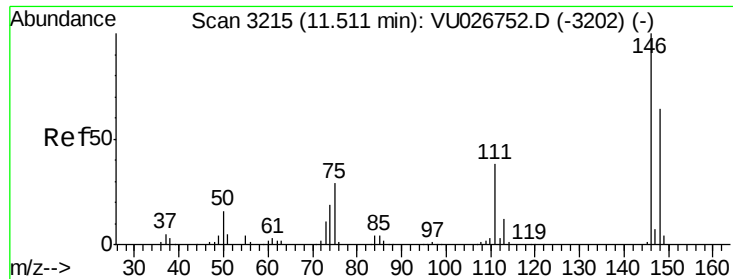
Tgt Ion: 75 Resp: 1417
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#62
 1,3-Dichlorobenzene
 Concen: 2.532 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

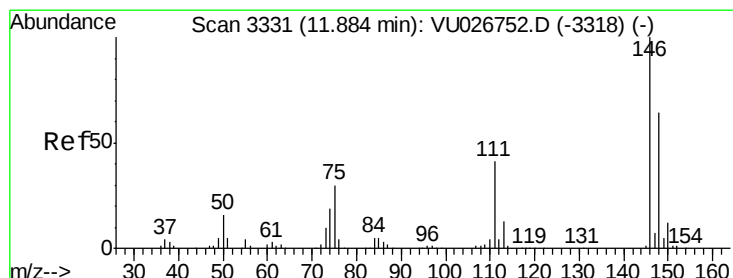
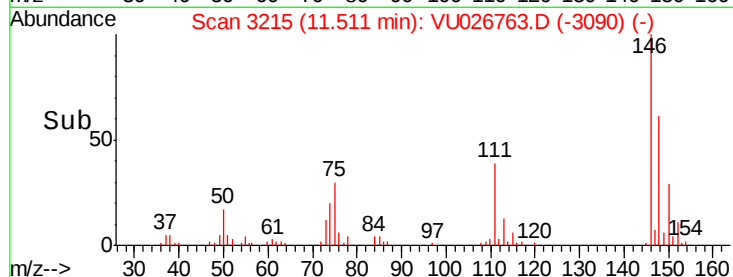
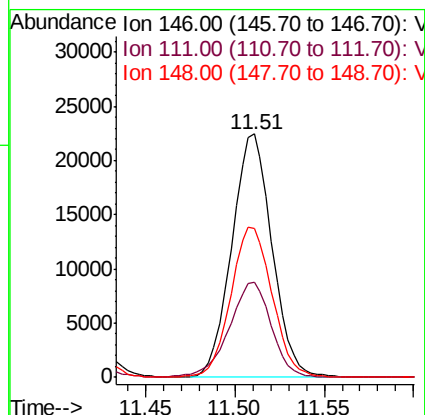
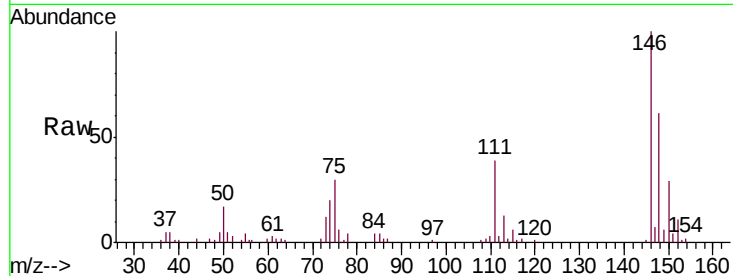
Tgt Ion: 146 Resp: 4991
 Ion Ratio Lower Upper
 146 100
 111 33.7 26.7 49.5
 148 67.2 44.2 82.2





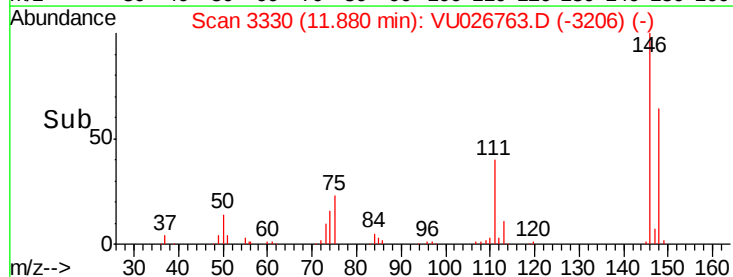
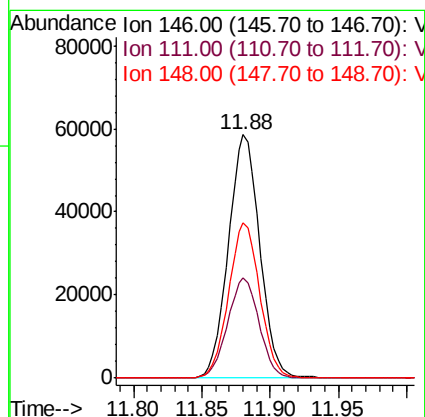
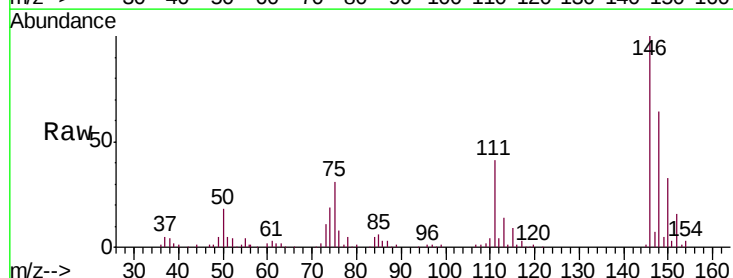
#63
 1,4-Dichlorobenzene
 Concen: 16.833 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

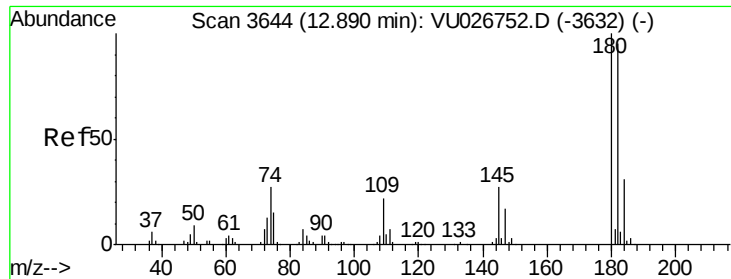
Tgt Ion:146 Resp: 35147
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.5 49.3
 148 61.3 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 44.993 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

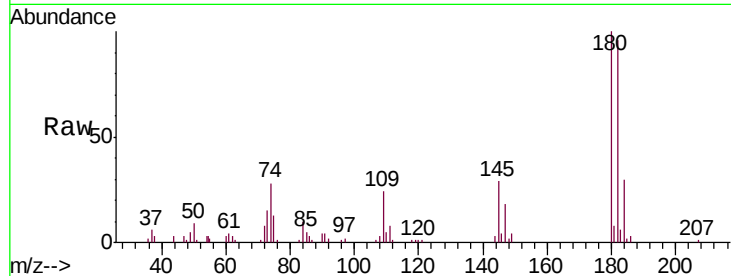
Tgt Ion:146 Resp: 93722
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.8 49.2
 148 63.7 52.2 78.4



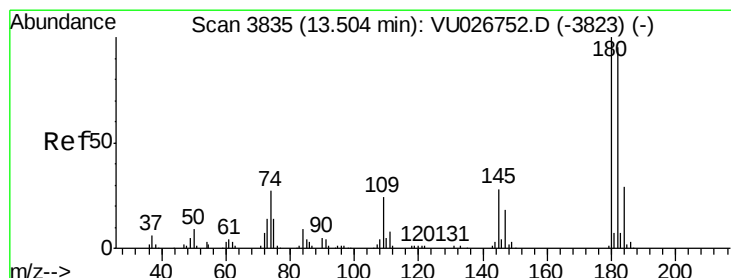
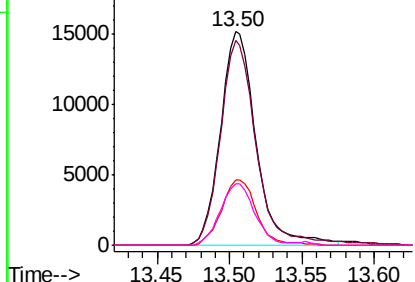
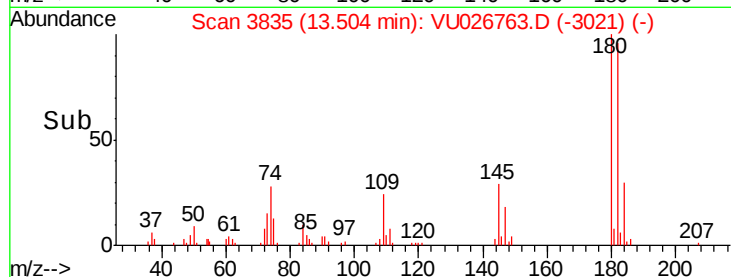


#67
 1,3,5-Trichlorobenzene
 Concen: 16.562 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

Tgt Ion:	180	Resp:	25893
Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.8	115.2
184	30.1	24.2	36.2
145	27.8	21.4	32.2

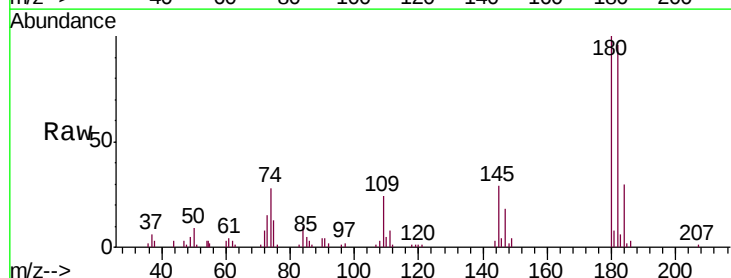


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

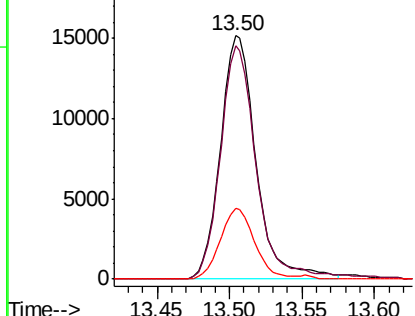
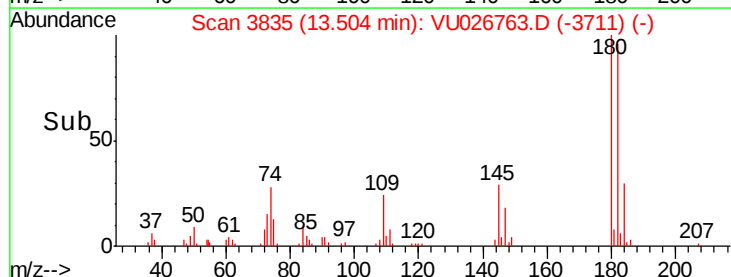


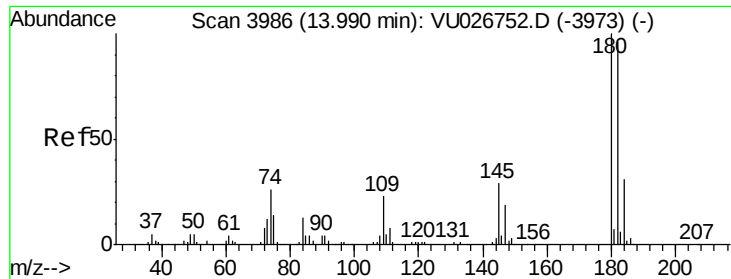
#68
 1,2,4-trichlorobenzene
 Concen: 19.055 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

Tgt Ion:	180	Resp:	25893
Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.0	114.0
145	27.8	23.4	35.0



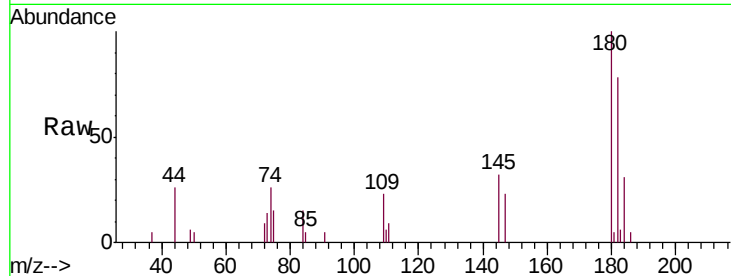
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



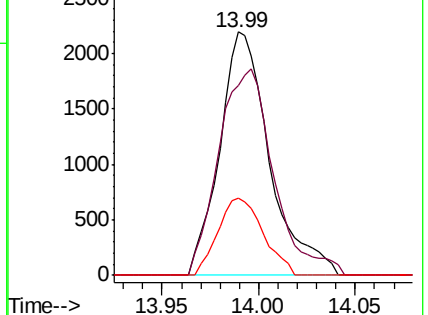
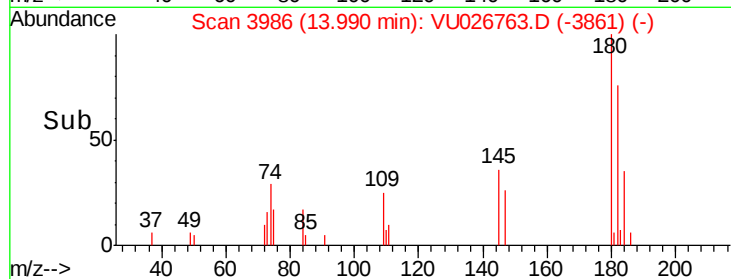


#70
 1,2,3-Trichlorobenzene
 Concen: 2.681 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026763.D
 Acq: 14 Sep 2018 14:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.7	115.1
145	28.6	23.0	34.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



Data File : VU026764.D
Acq On : 14 Sep 2018 14:26
Operator : MD/SY
Sample : J4893-20DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 15 00:19:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	160608	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	150447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64641	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53228	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.94%
7) Chloroethane-d5	1.68	69	44719	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.74%
11) 1,1-Dichloroethene-d2	2.27	63	74397	34.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.46%
21) 2-Butanone-d5	4.18	46	79182	106.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.31%
24) Chloroform-d	4.65	84	92195	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
26) 1,2-Dichloroethane-d4	5.31	65	62596	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.12%
32) Benzene-d6	5.34	84	185645	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.33	67	64658	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.96%
41) Toluene-d8	7.57	98	161509	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	7.85	79	27248	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
47) 2-Hexanone-d5	8.31	63	54088	101.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85986	48.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	63669	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	729	0.739 ug/L #	18
13) Acetone	2.32	43	632	0.745 ug/L	70
25) Chloroform	4.68	83	2309	1.180 ug/L	96
33) Benzene	5.39	78	41270	9.796 ug/L	100
37) 1,2-Dichloropropane	6.33	63	6563	5.576 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1485	0.853 ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	1213	0.749 ug/L #	67
48) 2-Hexanone	8.31	43	6370	5.025 ug/L #	69
51) Chlorobenzene	9.12	112	63541	22.161 ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	1751	1.257 ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	5950	3.206 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	64727	32.919 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	151950	77.462 ug/L	100
67) 1,3,5-Trichlorobenzene	13.51	180	7517	5.106 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	7517	5.874 ug/L	98
70) 1,2,3-Trichlorobenzene	14.00	180	1939	1.399 ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026764.D
Acq On : 14 Sep 2018 14:26
Operator : MD/SY
Sample : J4893-20DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

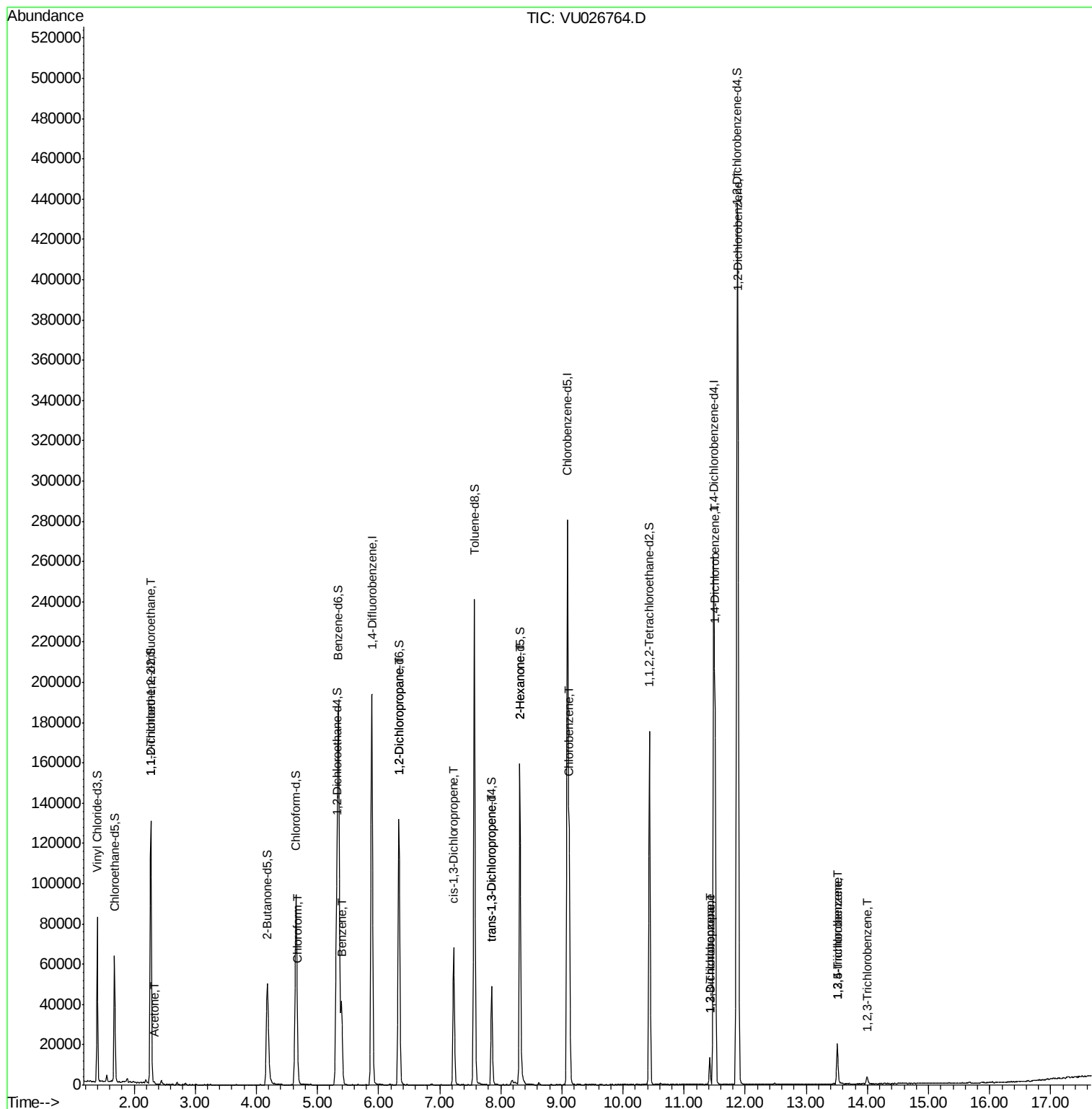
Quant Time: Sep 15 00:19:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

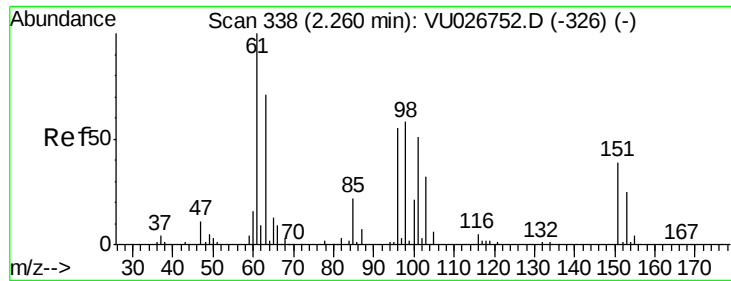
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026764.D
Acq On : 14 Sep 2018 14:26
Operator : MD/SY
Sample : J4893-20DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 15 00:19:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.739 ug/L

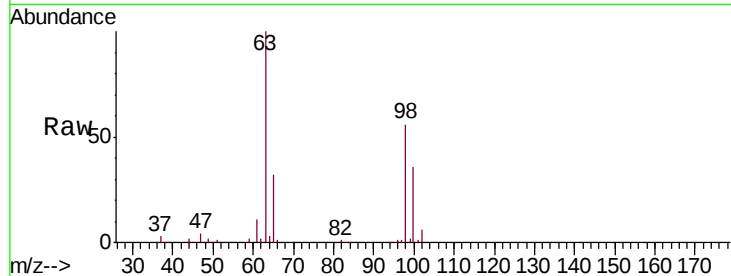
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

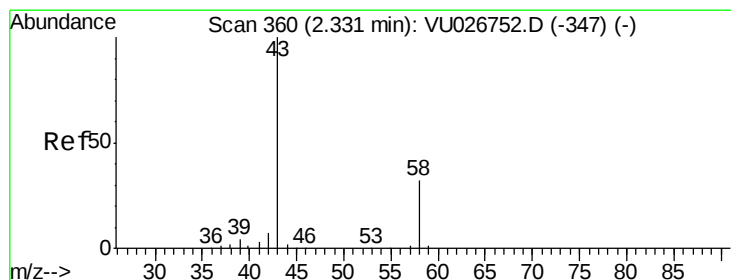
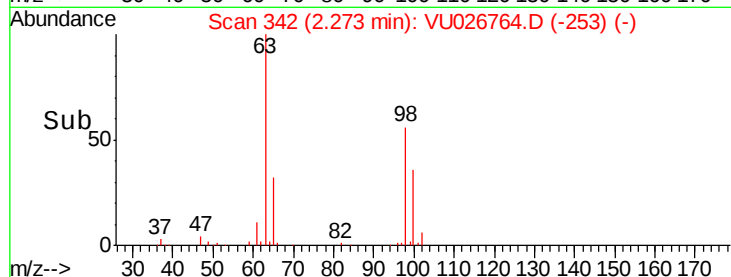
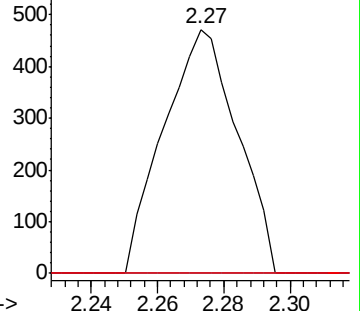
Tgt Ion:	101	Resp:	729
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 0.745 ug/L

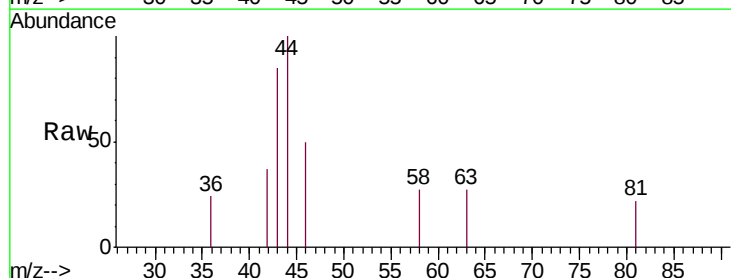
RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026764.D

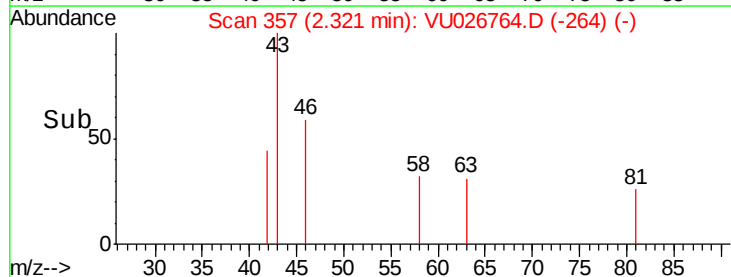
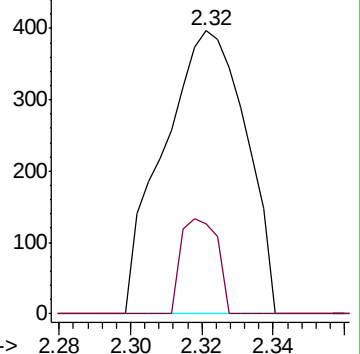
Acq: 14 Sep 2018 14:26

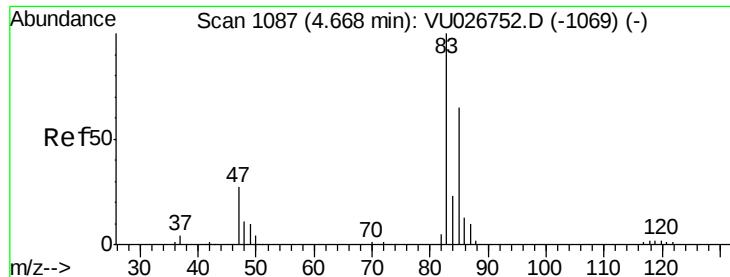
Tgt Ion:	43	Resp:	632
Ion	Ratio	Lower	Upper
43	100		
58	14.9	0.0	62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#25

Chloroform

Concen: 1.180 ug/L

RT: 4.68 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VU026764.D

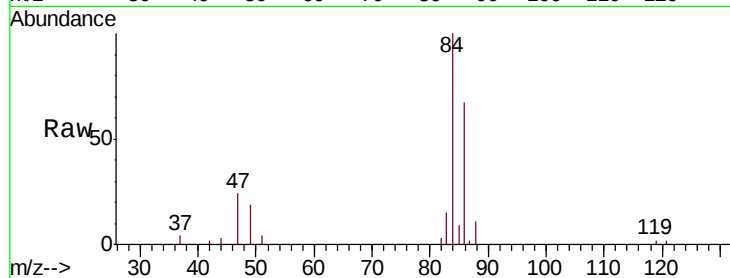
Acq: 14 Sep 2018 14:26

Tgt Ion: 83 Resp: 2309

Ion Ratio Lower Upper

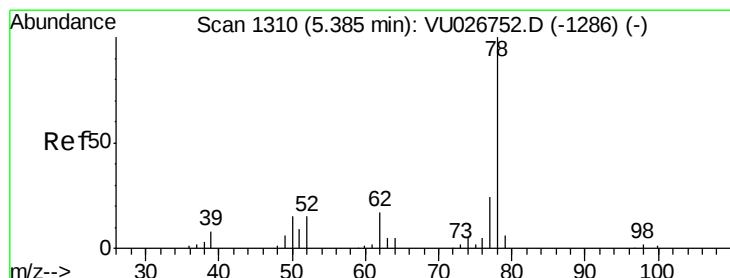
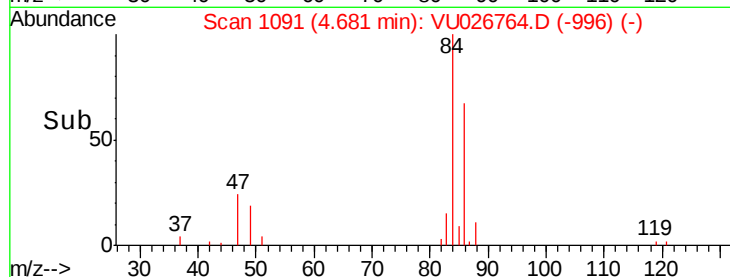
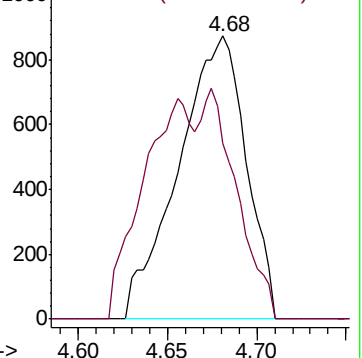
83 100

85 62.1 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#33

Benzene

Concen: 9.796 ug/L

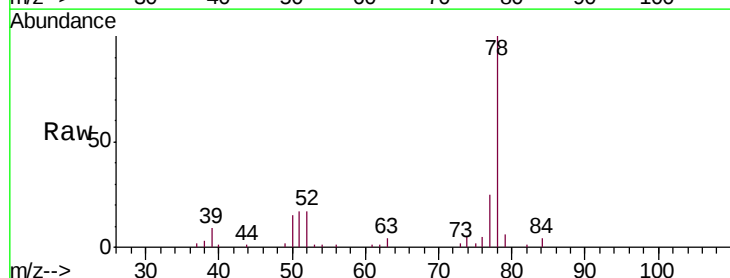
RT: 5.39 min Scan# 1313

Delta R.T. 0.00 min

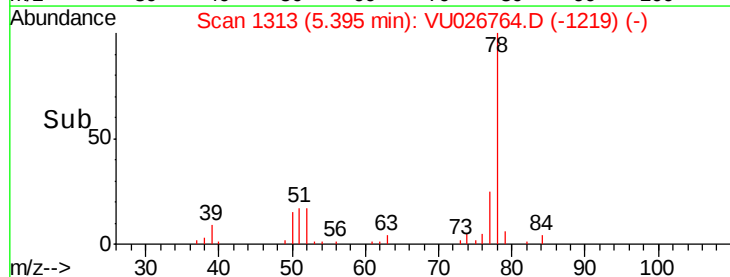
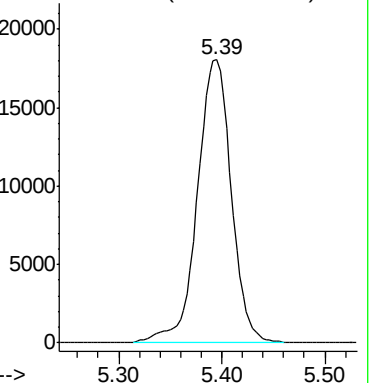
Lab File: VU026764.D

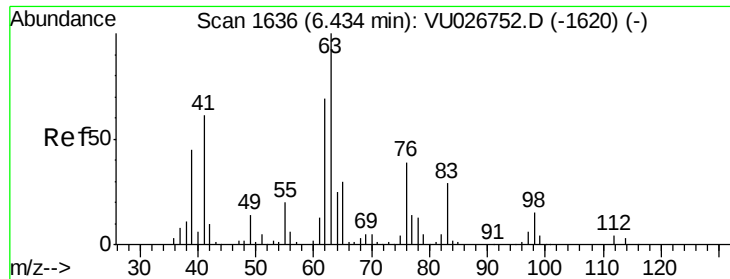
Acq: 14 Sep 2018 14:26

Tgt Ion: 78 Resp: 41270



Abundance Ion 78.00 (77.70 to 78.70): VU0





#37

1,2-Dichloropropane

Concen: 5.576 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU026764.D

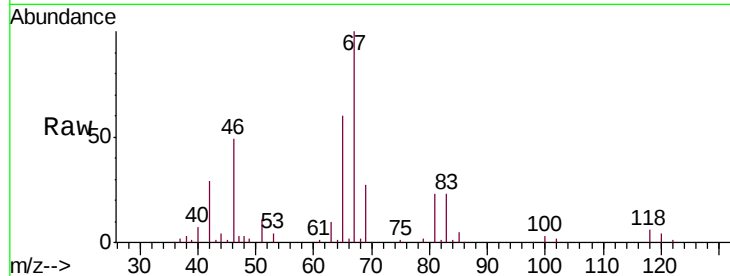
Acq: 14 Sep 2018 14:26

Tgt Ion: 63 Resp: 6563

Ion Ratio Lower Upper

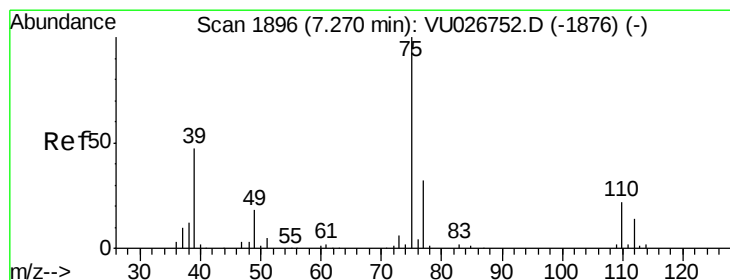
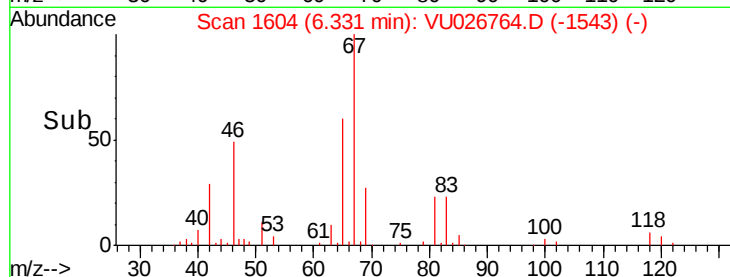
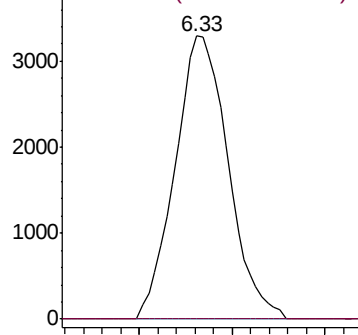
63 100

112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#39

cis-1,3-Dichloropropene

Concen: 0.853 ug/L

RT: 7.23 min Scan# 1885

Delta R.T. -0.04 min

Lab File: VU026764.D

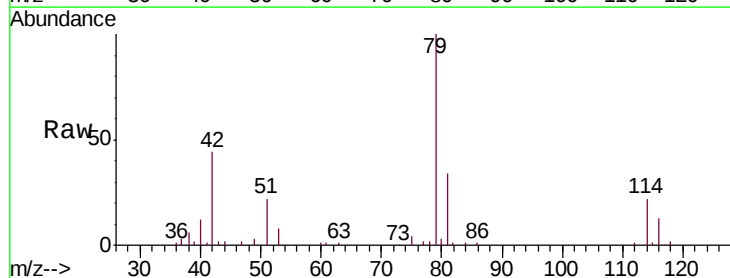
Acq: 14 Sep 2018 14:26

Tgt Ion: 75 Resp: 1485

Ion Ratio Lower Upper

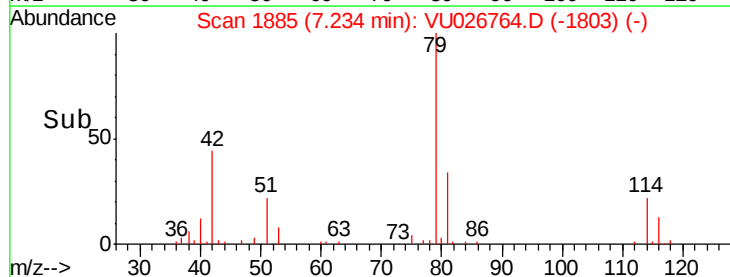
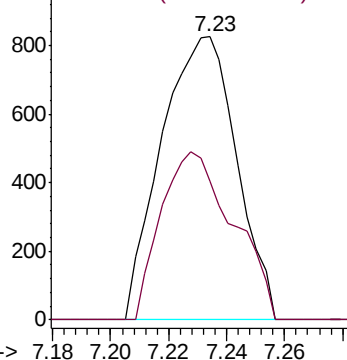
75 100

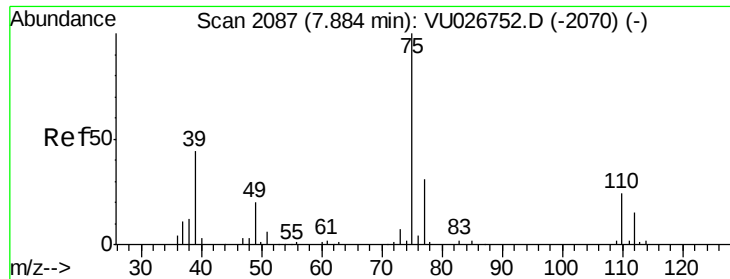
77 49.0 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.749 ug/L

RT: 7.85 min Scan# 2078

Delta R.T. -0.03 min

Lab File: VU026764.D

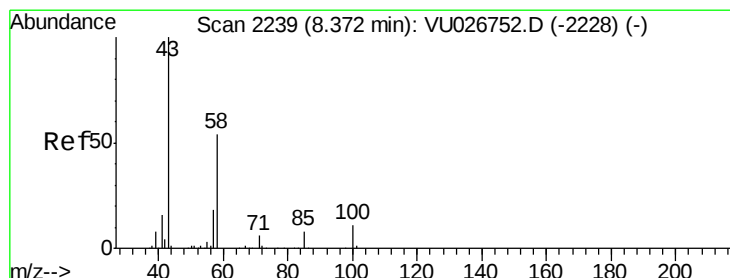
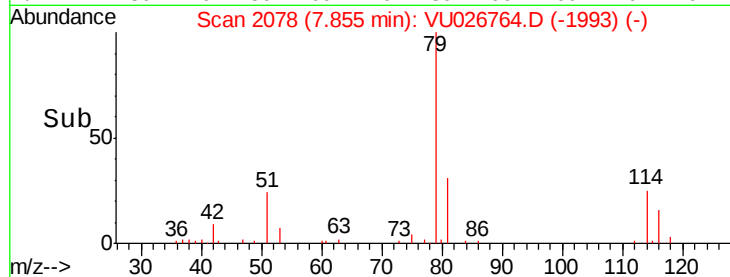
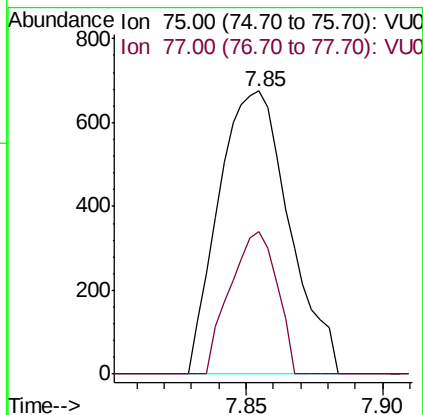
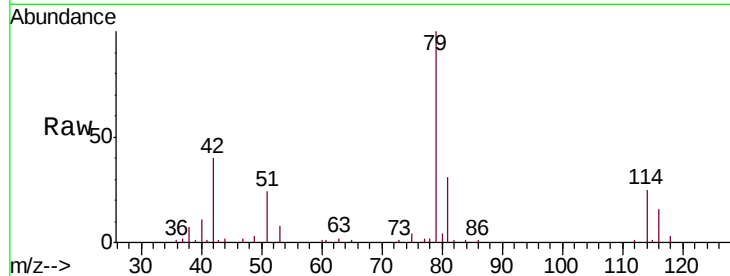
Acq: 14 Sep 2018 14:26

Tgt Ion: 75 Resp: 1213

Ion Ratio Lower Upper

75 100

77 50.5 22.4 41.6#



#48

2-Hexanone

Concen: 5.025 ug/L

RT: 8.31 min Scan# 2220

Delta R.T. -0.05 min

Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

Tgt Ion: 43 Resp: 6370

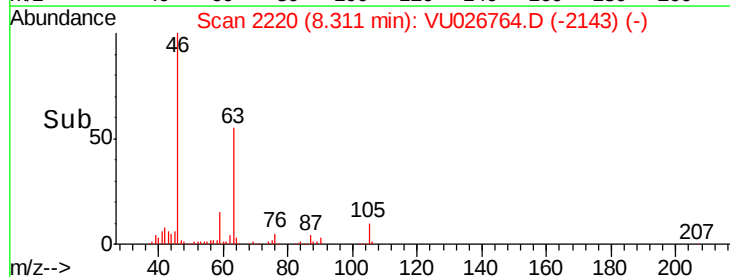
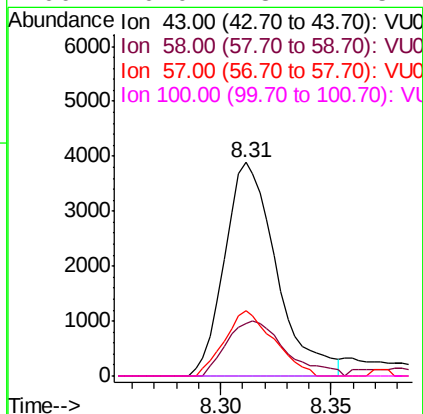
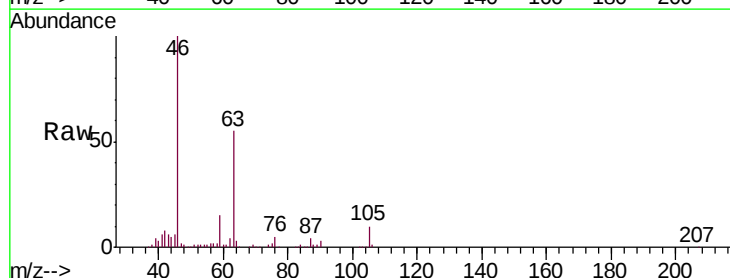
Ion Ratio Lower Upper

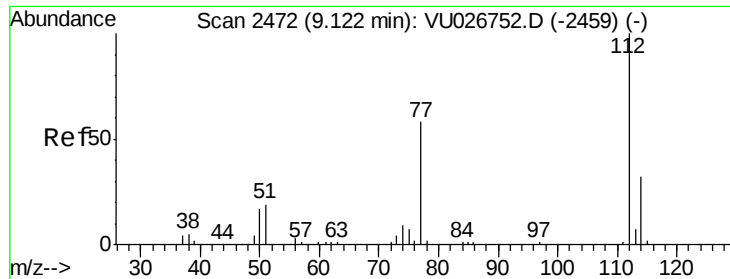
43 100

58 28.9 42.2 63.4#

57 28.8 14.4 21.6#

100 0.0 8.7 13.1#





#51

Chlorobenzene

Concen: 22.161 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

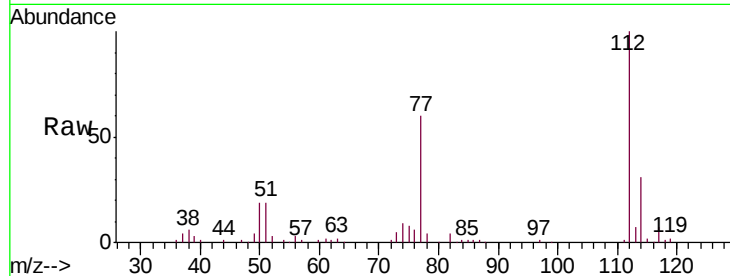
Tgt Ion: 112 Resp: 63541

Ion Ratio Lower Upper

112 100

114 31.5 22.9 42.5

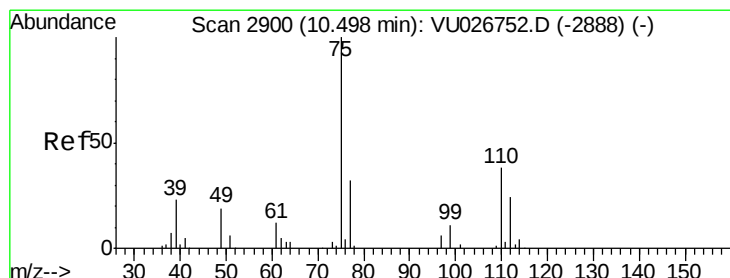
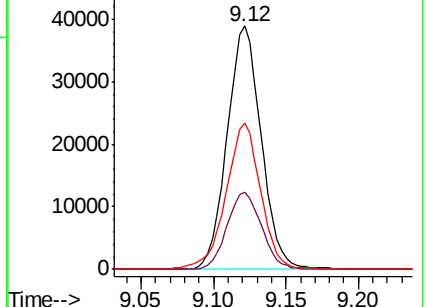
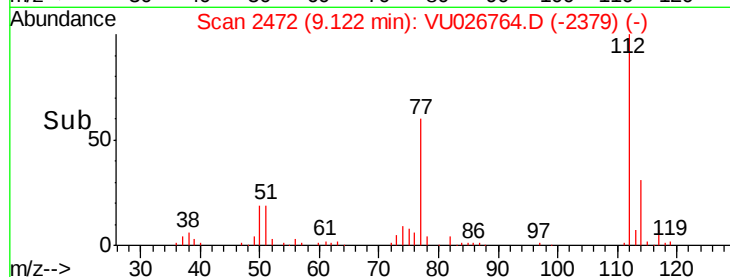
77 59.9 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 1.257 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.93 min

Lab File: VU026764.D

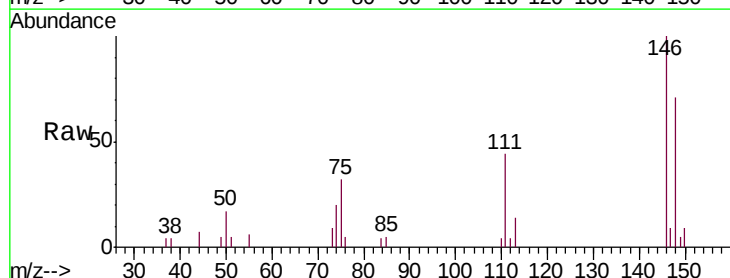
Acq: 14 Sep 2018 14:26

Tgt Ion: 75 Resp: 1751

Ion Ratio Lower Upper

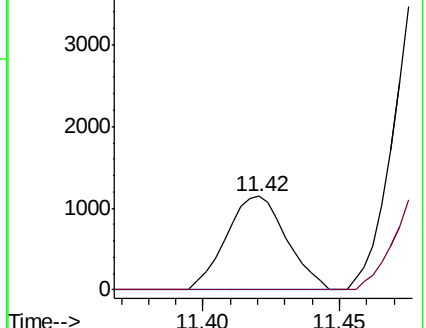
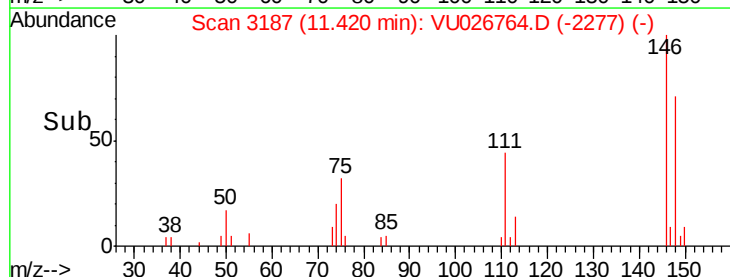
75 100

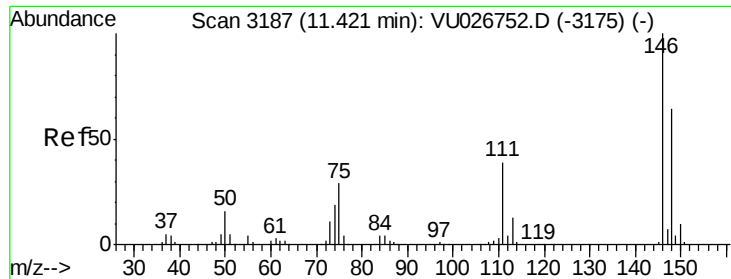
77 0.0 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 3.206 ug/L

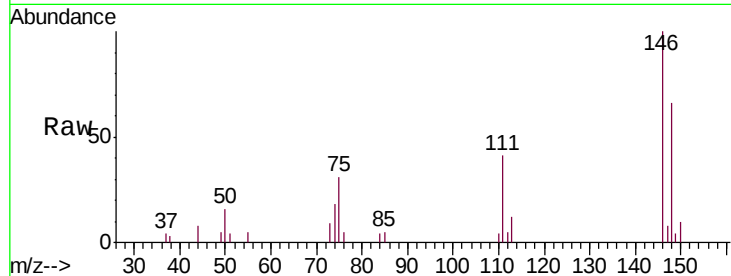
RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

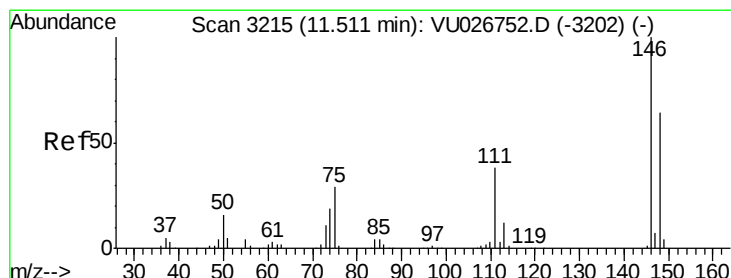
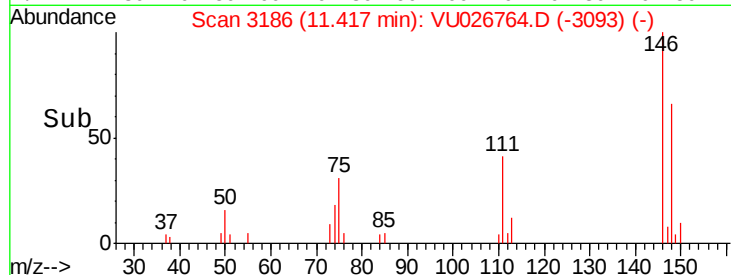
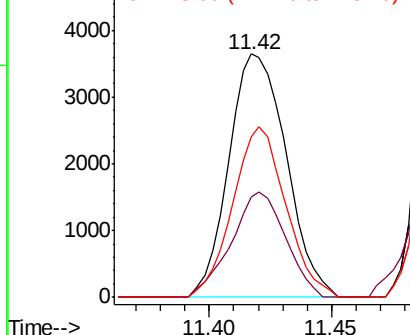
Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

Tgt Ion:	146	Resp:	5950
Ion	Ratio	Lower	Upper
146	100		
111	41.0	26.7	49.5
148	65.7	44.2	82.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 32.919 ug/L

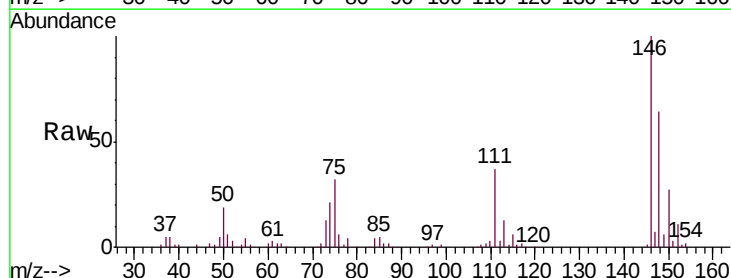
RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

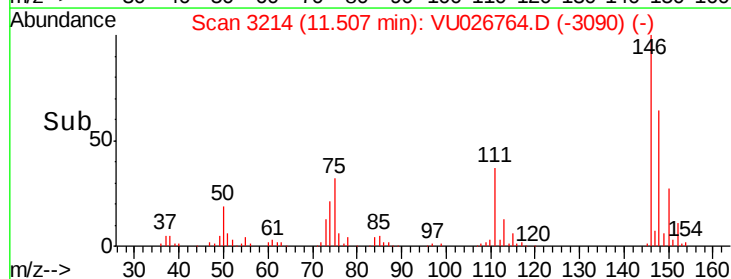
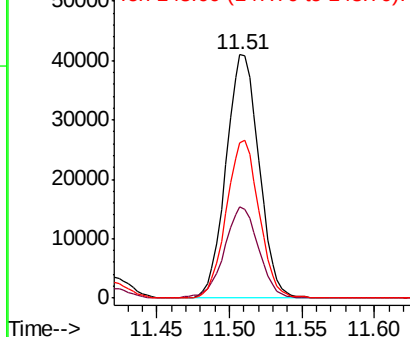
Lab File: VU026764.D

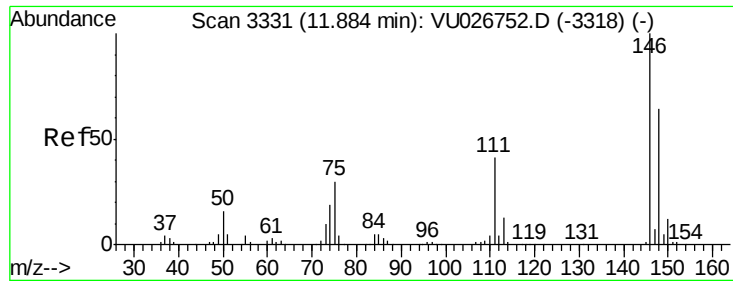
Acq: 14 Sep 2018 14:26

Tgt Ion:	146	Resp:	64727
Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.5	49.3
148	64.0	45.2	84.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 77.462 ug/L

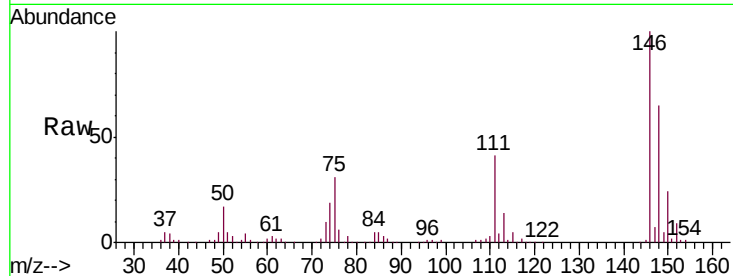
RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

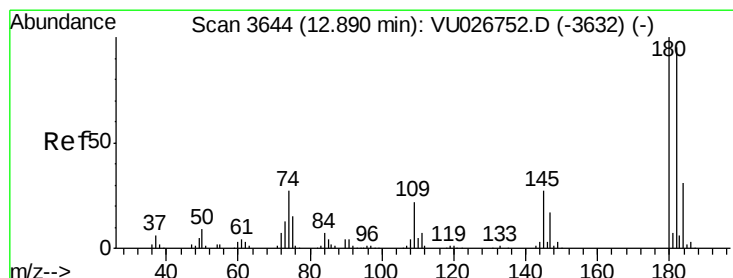
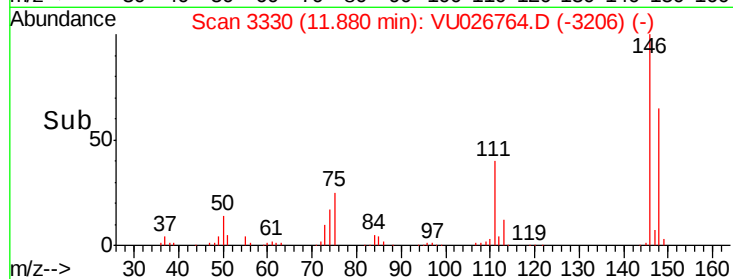
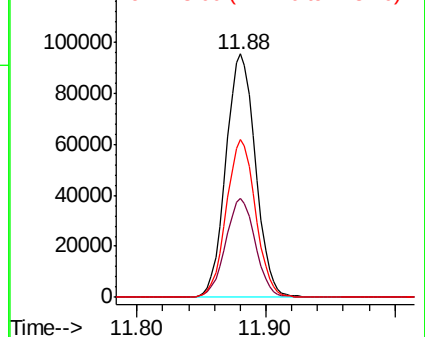
Lab File: VU026764.D

Acq: 14 Sep 2018 14:26

Tgt Ion:	146	Resp:	151950
Ion	Ratio	Lower	Upper
146	100		
111	40.8	32.8	49.2
148	64.9	52.2	78.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 5.106 ug/L

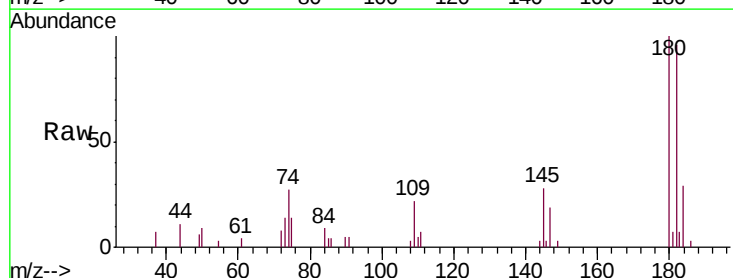
RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

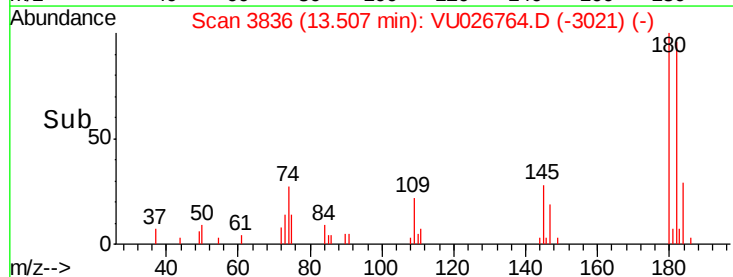
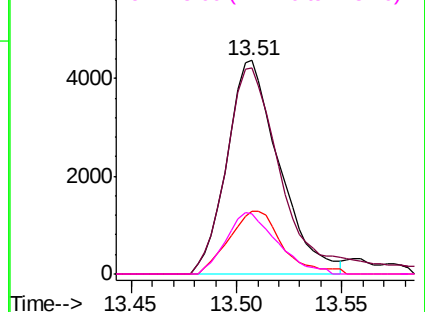
Lab File: VU026764.D

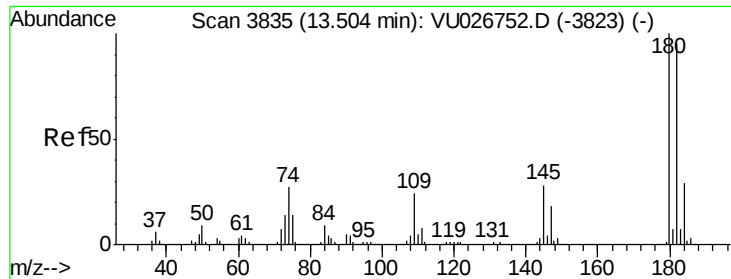
Acq: 14 Sep 2018 14:26

Tgt Ion:	180	Resp:	7517
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
184	29.2	24.2	36.2
145	28.0	21.4	32.2



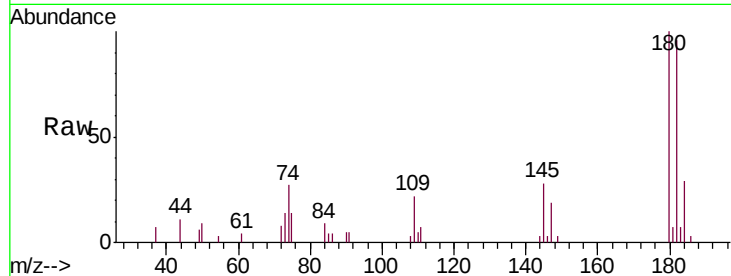
Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V



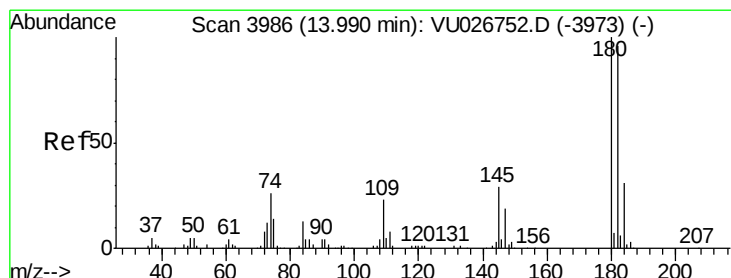
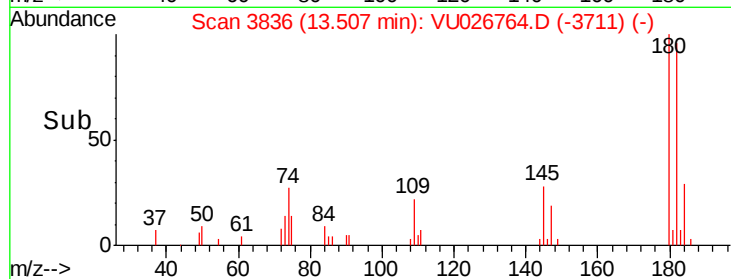
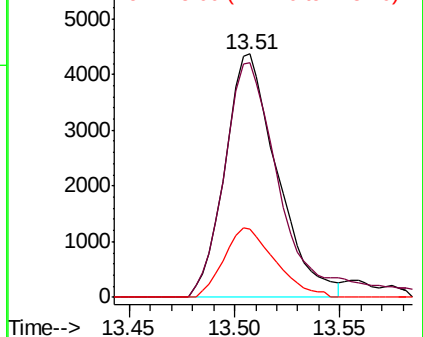


#68
 1,2,4-trichlorobenzene
 Concen: 5.874 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026764.D
 Acq: 14 Sep 2018 14:26

Tgt Ion:180 Resp: 7517
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.0 114.0
 145 28.0 23.4 35.0

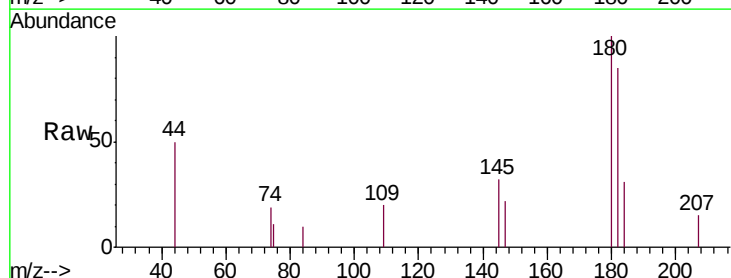


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

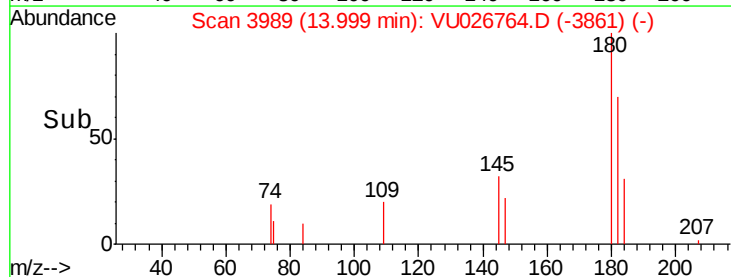
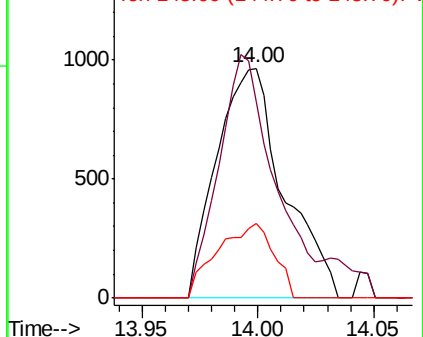


#70
 1,2,3-Trichlorobenzene
 Concen: 1.399 ug/L
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU026764.D
 Acq: 14 Sep 2018 14:26

Tgt Ion:180 Resp: 1939
 Ion Ratio Lower Upper
 180 100
 182 87.0 76.7 115.1
 145 13.6 23.0 34.6#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



Data File : VU026765.D
Acq On : 14 Sep 2018 14:50
Operator : MD/SY
Sample : J4893-07DL 400X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 15 00:20:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	161353	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	150861	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65439	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52057	43.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.58%
7) Chloroethane-d5	1.68	69	44212	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.26%
11) 1,1-Dichloroethene-d2	2.27	63	74787	34.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.50%
21) 2-Butanone-d5	4.18	46	76952	102.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.84%
24) Chloroform-d	4.65	84	88633	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
26) 1,2-Dichloroethane-d4	5.31	65	61907	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
32) Benzene-d6	5.34	84	184995	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
36) 1,2-Dichloropropane-d6	6.33	67	63364	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.72%
41) Toluene-d8	7.57	98	160430	43.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.58%
43) trans-1,3-Dichloropropene-	7.85	79	26114	42.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.74%
47) 2-Hexanone-d5	8.31	63	53027	99.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84133	46.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	62434	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	605	0.611	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	548	0.576	ug/L #	1
13) Acetone	2.32	43	515	0.604	ug/L	58
25) Chloroform	4.68	83	3911	1.990	ug/L	91
27) 1,2-Dichloroethane	5.40	62	1010	0.647	ug/L #	75
33) Benzene	5.39	78	102535	24.271	ug/L	100
35) Methylcyclohexane	6.33	83	13813	8.218	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6545	5.546	ug/L #	89
40) 4-Methyl-2-pentanone	7.57	43	748	0.497	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1081	0.665	ug/L	95
51) Chlorobenzene	9.12	112	152733	53.123	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	1138	0.815	ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	3839	2.043	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	57093	28.683	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	46428	23.380	ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	4406	2.956	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	4406	3.401	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

Data File : VU026765.D
Acq On : 14 Sep 2018 14:50
Operator : MD/SY
Sample : J4893-07DL 400X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

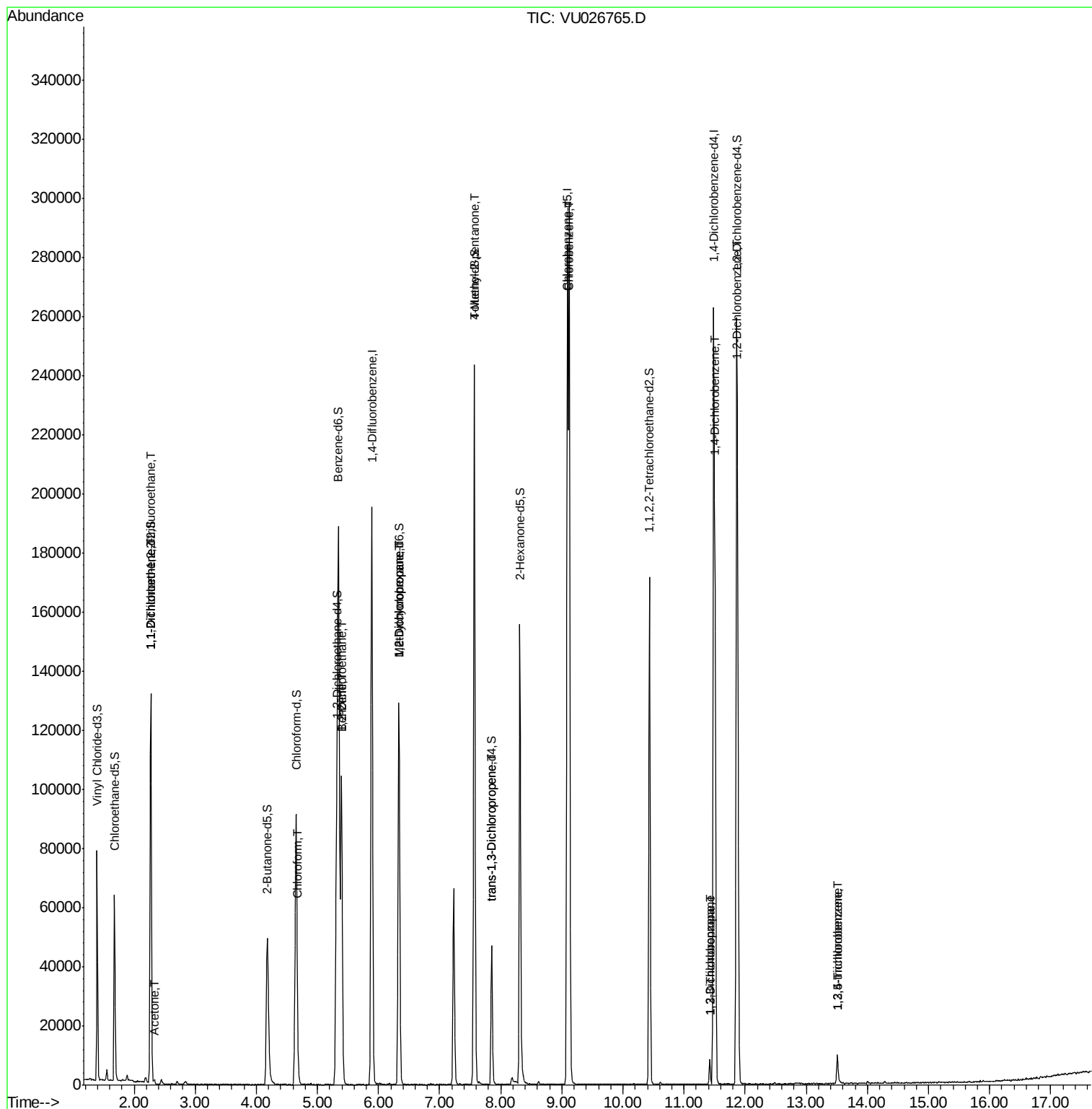
Quant Time: Sep 15 00:20:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

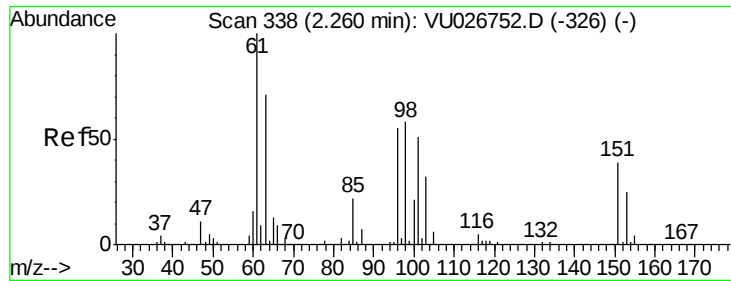
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026765.D
Acq On : 14 Sep 2018 14:50
Operator : MD/SY
Sample : J4893-07DL 400X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 15 00:20:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.611 ug/L

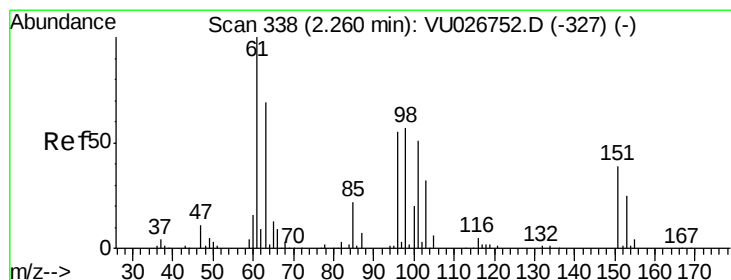
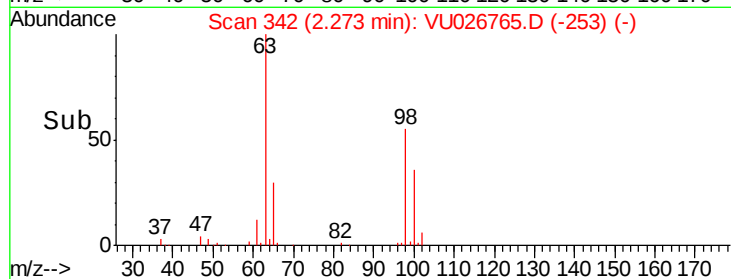
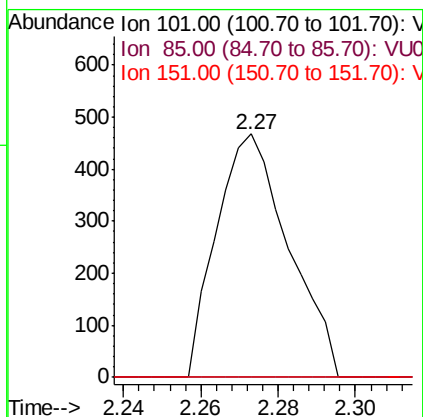
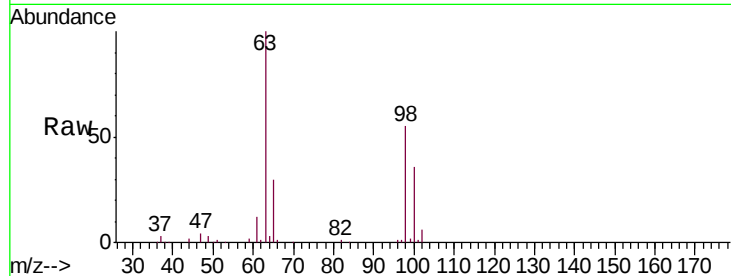
RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Tgt Ion:	101	Resp:	605
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



#12

1,1-Dichloroethene

Concen: 0.576 ug/L

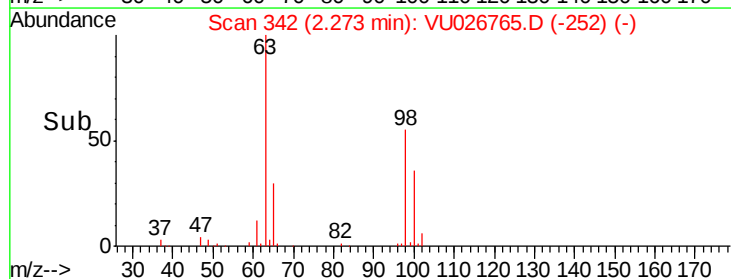
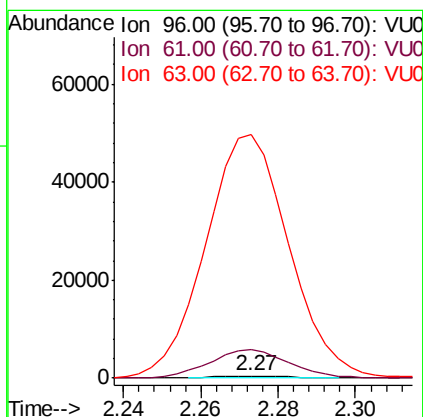
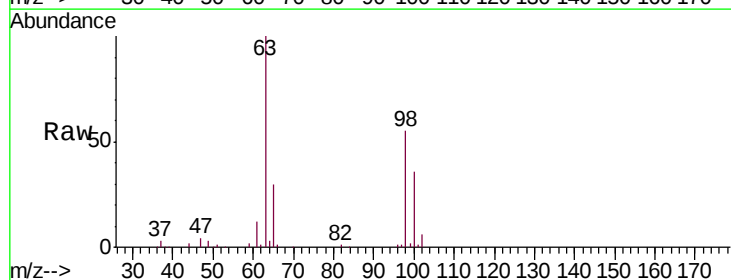
RT: 2.27 min Scan# 342

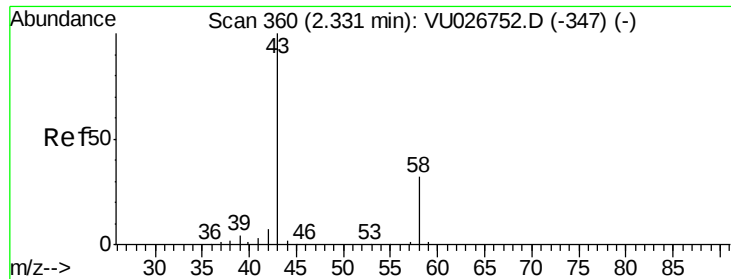
Delta R.T. -0.01 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Tgt Ion:	96	Resp:	548
Ion	Ratio	Lower	Upper
96	100		
61	1454.6	121.0	224.8#
63	12619.3	89.9	166.9#





#13

Acetone

Concen: 0.604 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026765.D

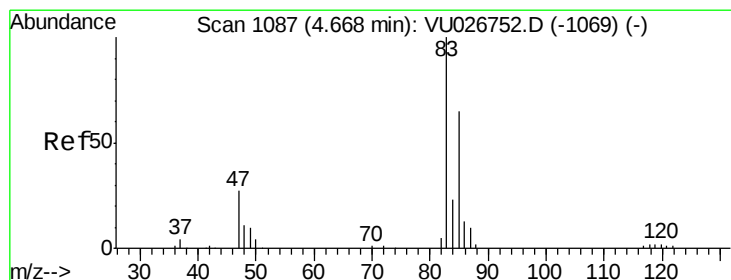
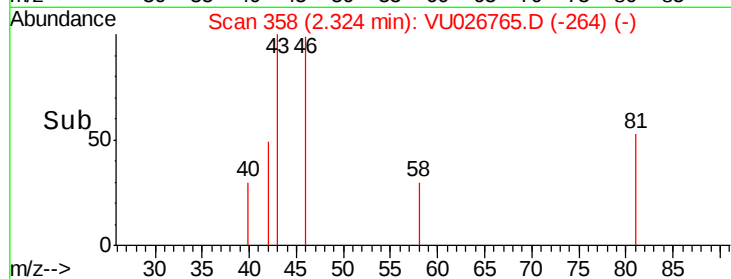
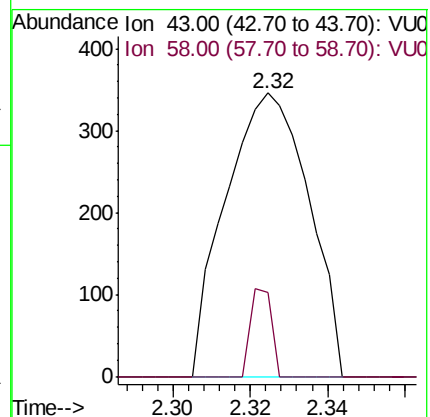
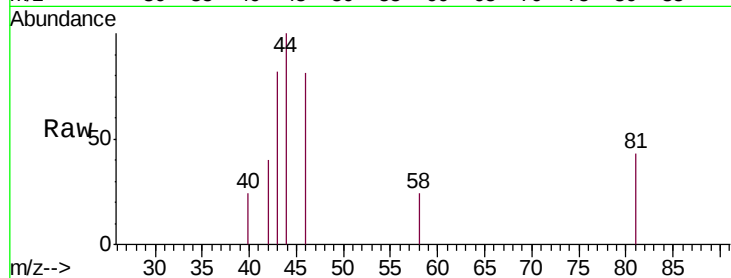
Acq: 14 Sep 2018 14:50

Tgt Ion: 43 Resp: 515

Ion Ratio Lower Upper

43 100

58 8.0 0.0 62.8



#25

Chloroform

Concen: 1.990 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026765.D

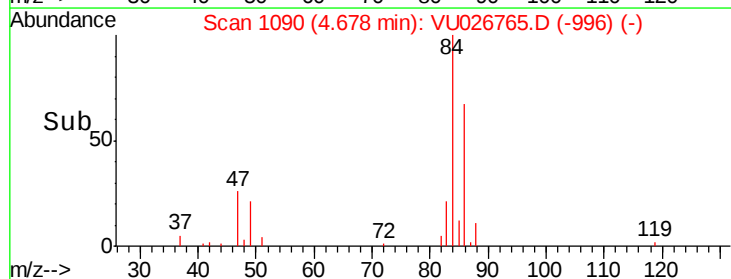
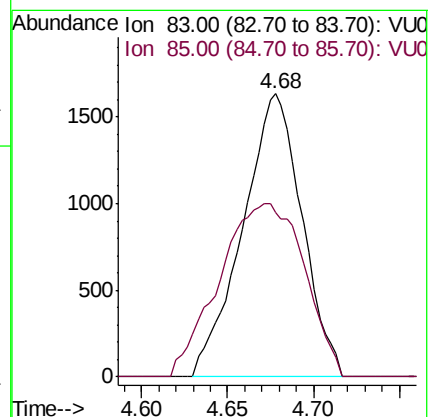
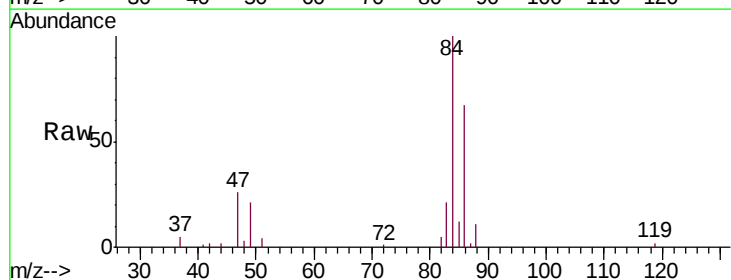
Acq: 14 Sep 2018 14:50

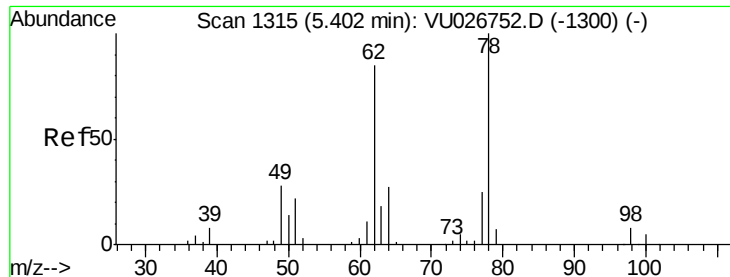
Tgt Ion: 83 Resp: 3911

Ion Ratio Lower Upper

83 100

85 57.9 45.6 84.6





#27

1,2-Dichloroethane

Concen: 0.647 ug/L

RT: 5.40 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VU026765.D

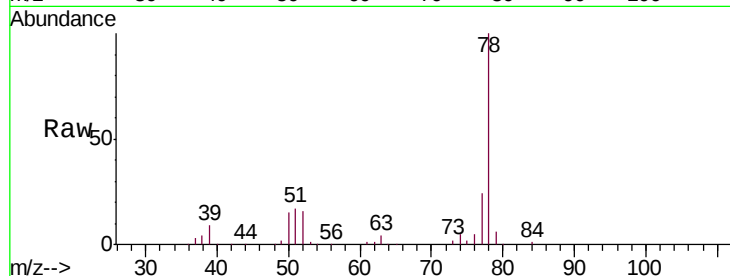
Acq: 14 Sep 2018 14:50

Tgt Ion: 62 Resp: 1010

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#

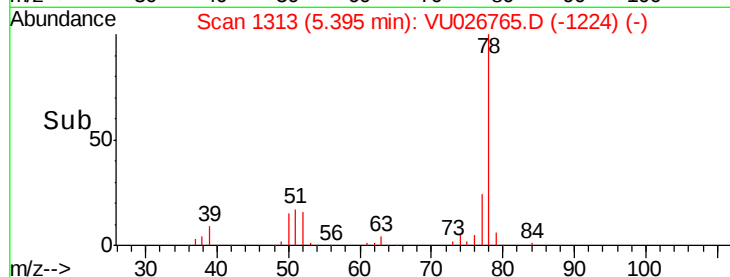


Abundance Ion 62.00 (61.70 to 62.70): VU0

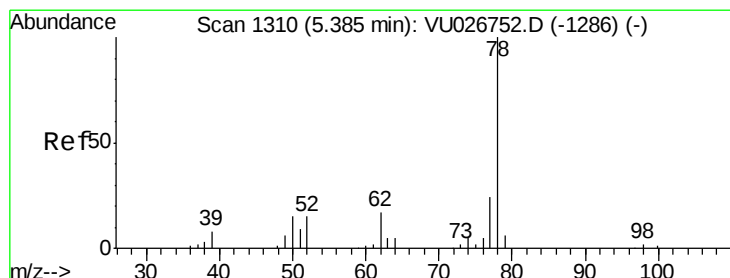
Ion 98.00 (97.70 to 98.70): VU0

5.40

5.35 5.40 5.45



Time-->



#33

Benzene

Concen: 24.271 ug/L

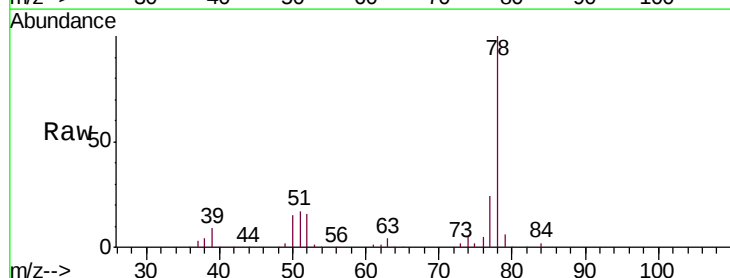
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

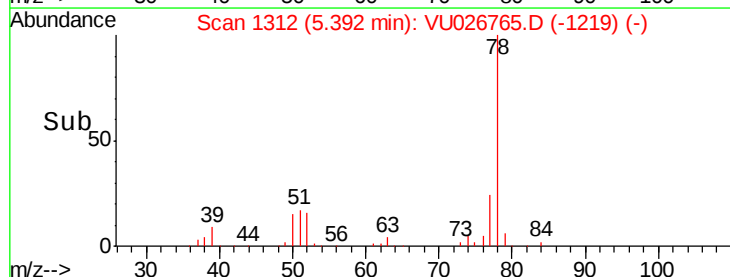
Tgt Ion: 78 Resp: 102535



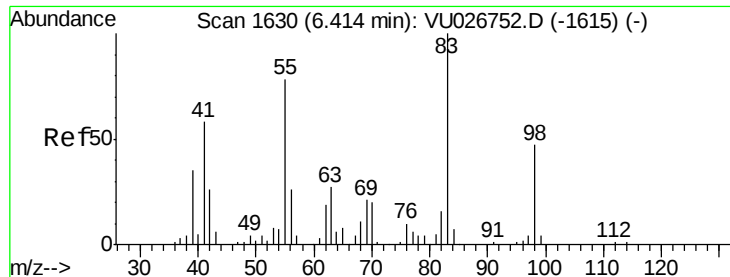
Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

5.30 5.40 5.50

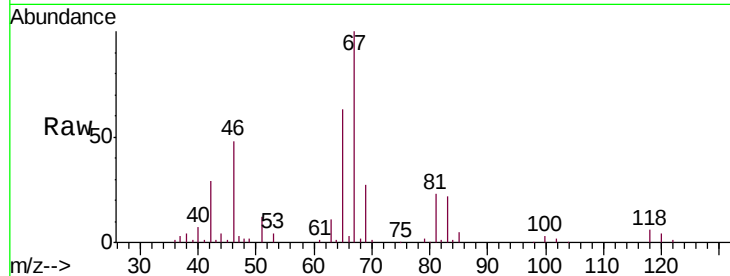


Time-->

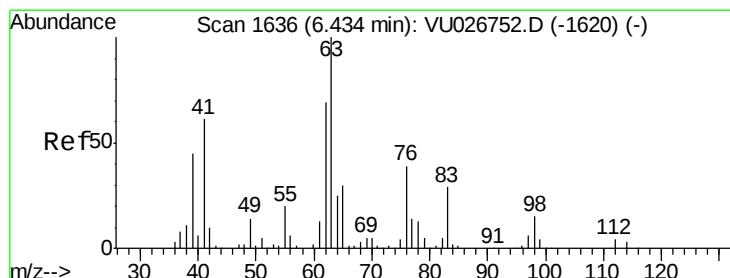
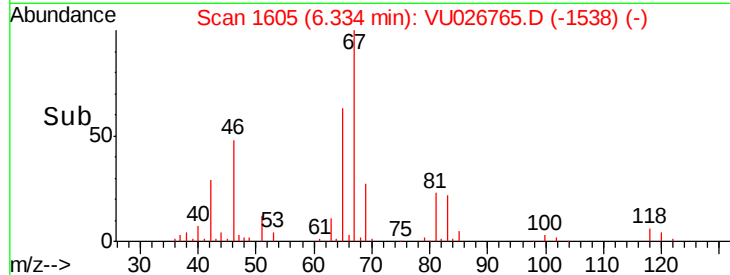
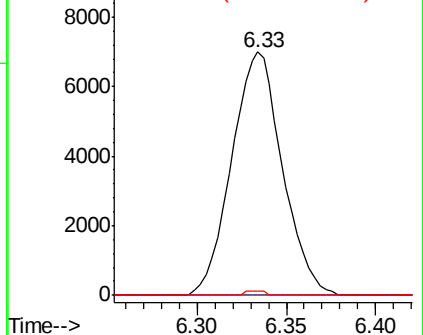


#35
Methylcyclohexane
Concen: 8.218 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026765.D
Acq: 14 Sep 2018 14:50

Tgt Ion: 83 Resp: 13813
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.7 37.0 55.4#

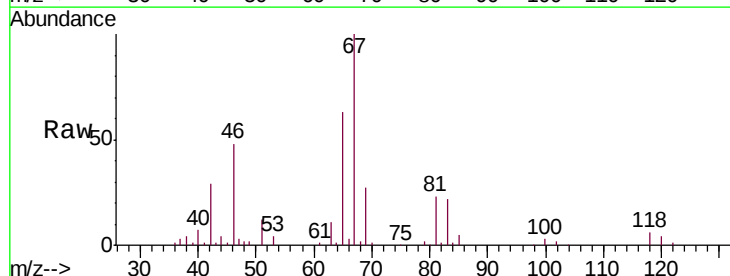


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

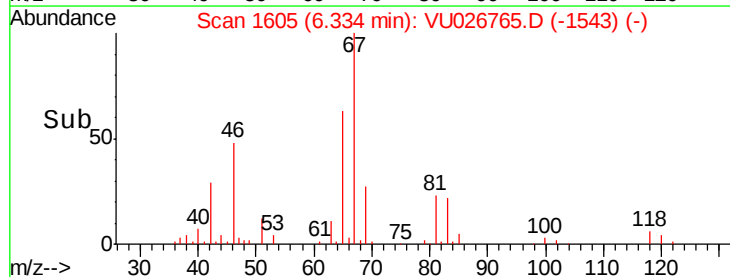
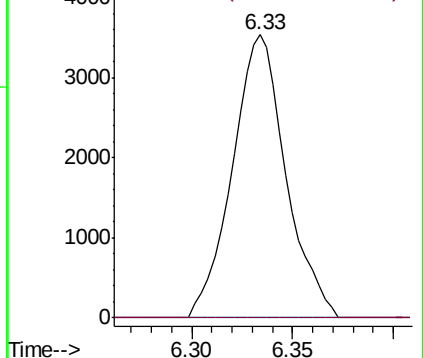


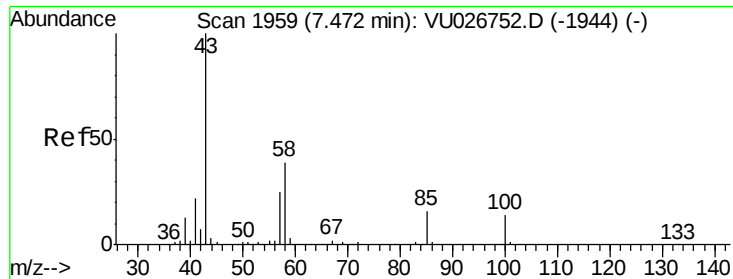
#37
1,2-Dichloropropane
Concen: 5.546 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026765.D
Acq: 14 Sep 2018 14:50

Tgt Ion: 63 Resp: 6545
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#



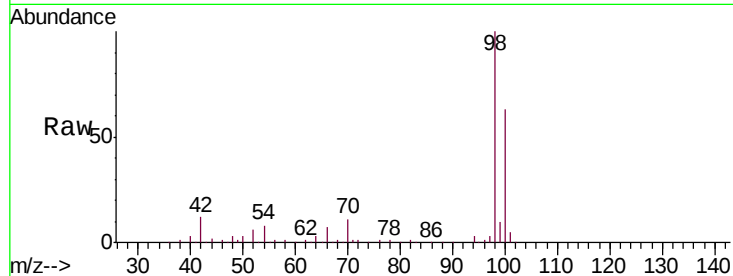
Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



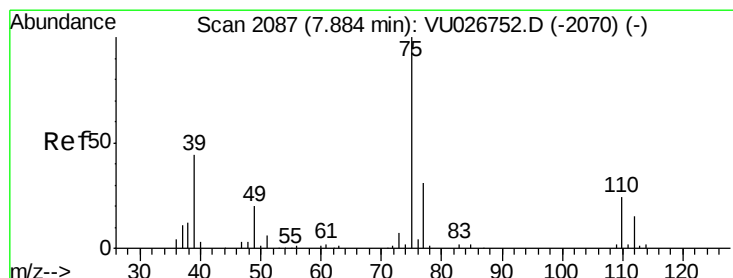
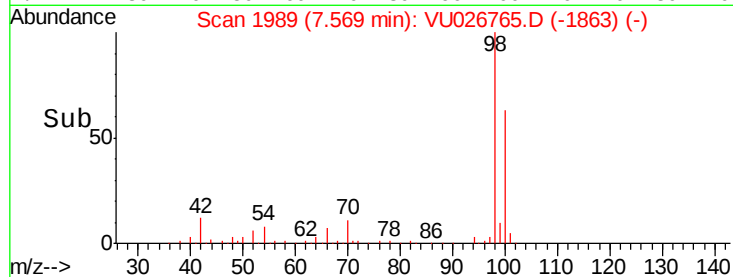
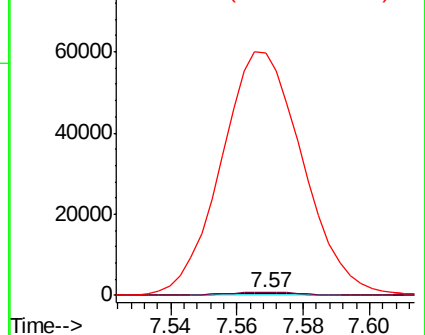


#40
 4-Methyl-2-pentanone
 Concen: 0.497 ug/L
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU026765.D
 Acq: 14 Sep 2018 14:50

Tgt Ion: 43 Resp: 748
 Ion Ratio Lower Upper
 43 100
 58 162.4 31.1 46.7#
 100 13812.4 11.3 16.9#

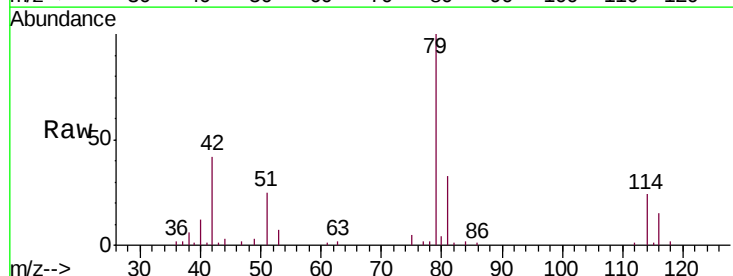


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

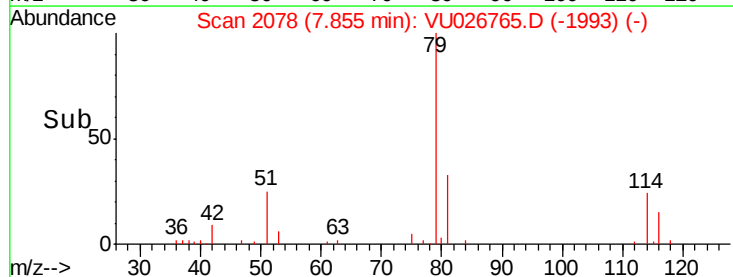
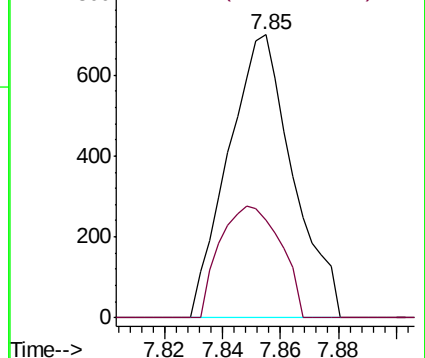


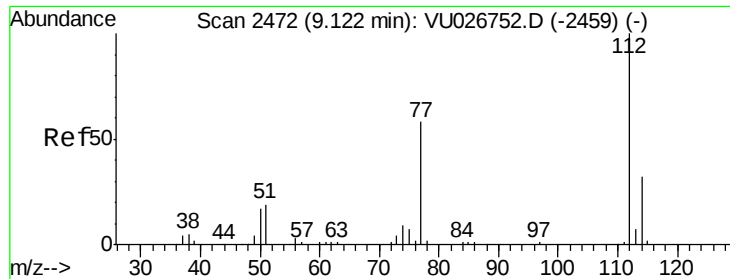
#44
 trans-1,3-Dichloropropene
 Concen: 0.665 ug/L
 RT: 7.85 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VU026765.D
 Acq: 14 Sep 2018 14:50

Tgt Ion: 75 Resp: 1081
 Ion Ratio Lower Upper
 75 100
 77 34.8 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#51

Chlorobenzene

Concen: 53.123 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

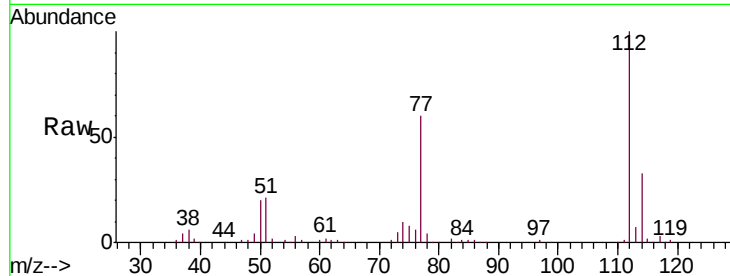
Tgt Ion: 112 Resp: 152733

Ion Ratio Lower Upper

112 100

114 32.7 22.9 42.5

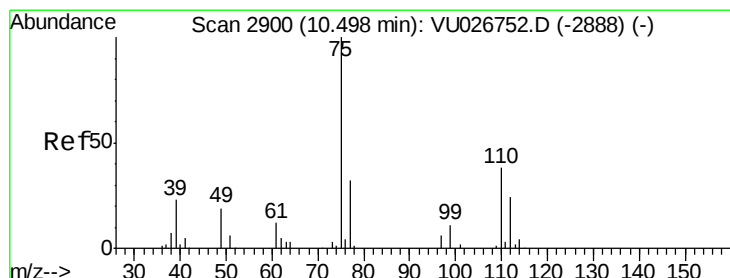
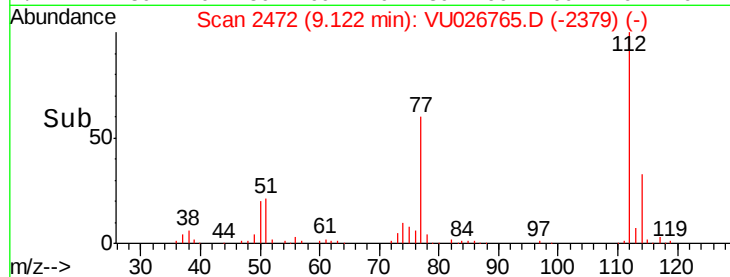
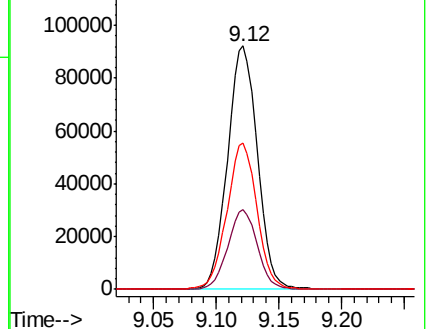
77 60.0 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 0.815 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.93 min

Lab File: VU026765.D

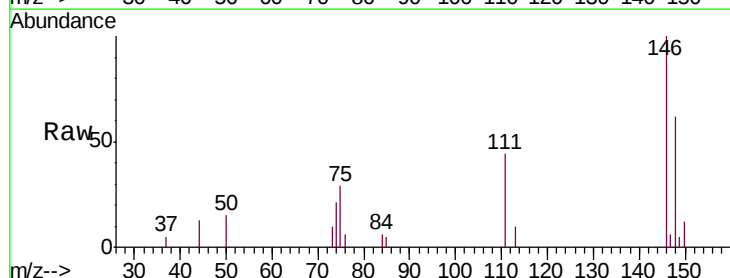
Acq: 14 Sep 2018 14:50

Tgt Ion: 75 Resp: 1138

Ion Ratio Lower Upper

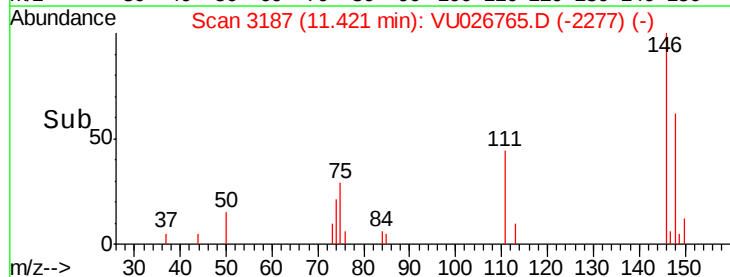
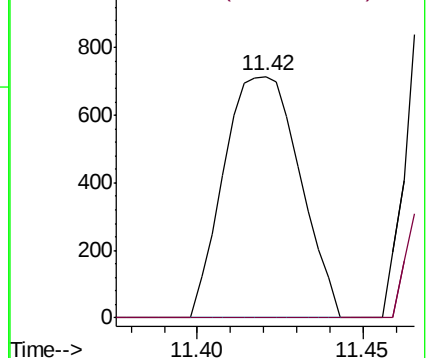
75 100

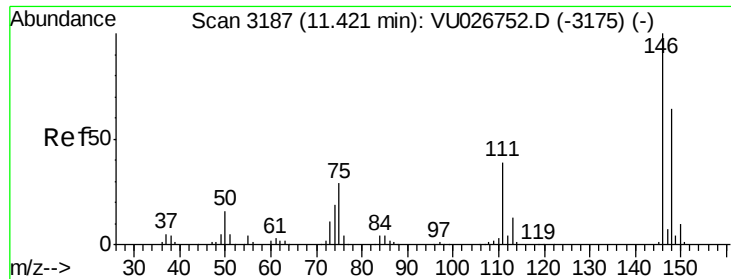
77 0.0 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 2.043 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

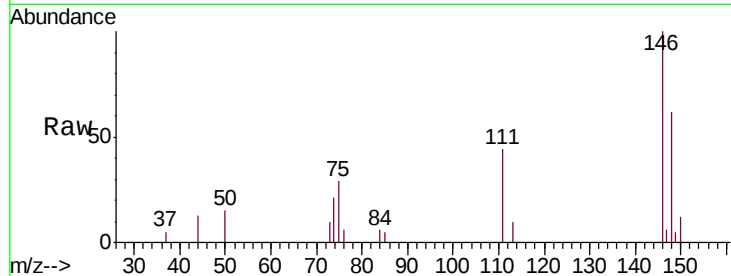
Tgt Ion:146 Resp: 3839

Ion Ratio Lower Upper

146 100

111 44.2 26.7 49.5

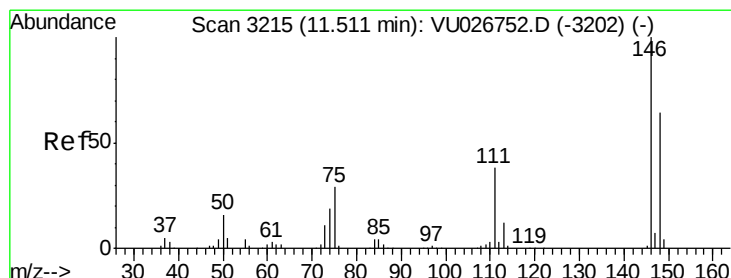
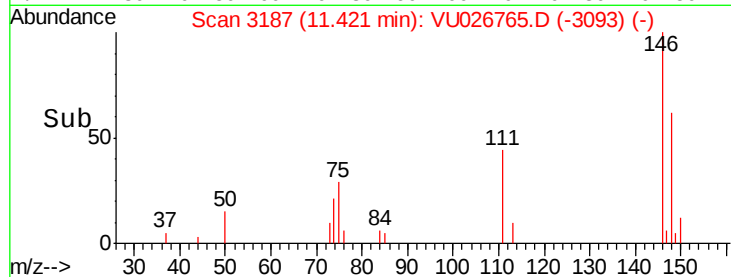
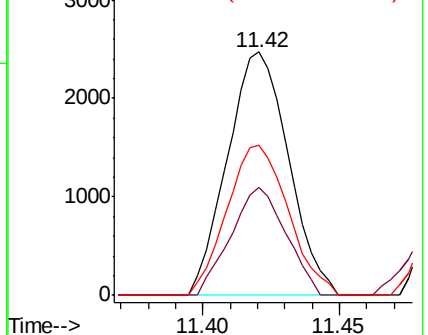
148 61.7 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 28.683 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

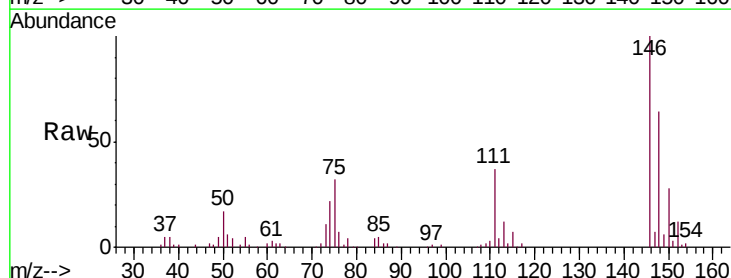
Tgt Ion:146 Resp: 57093

Ion Ratio Lower Upper

146 100

111 37.3 26.5 49.3

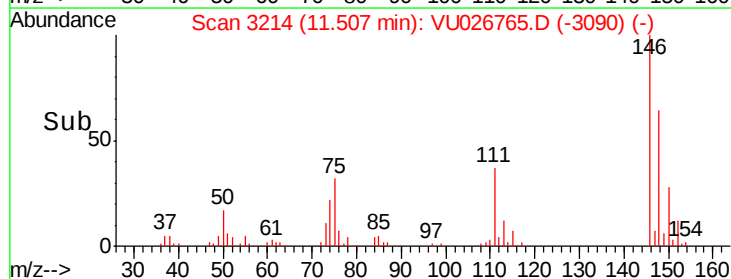
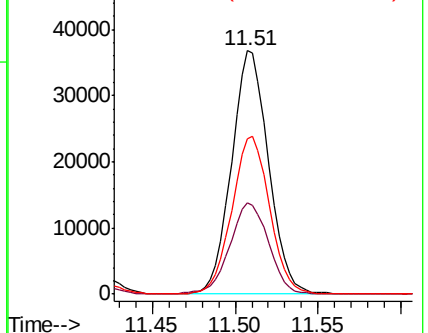
148 63.9 45.2 84.0

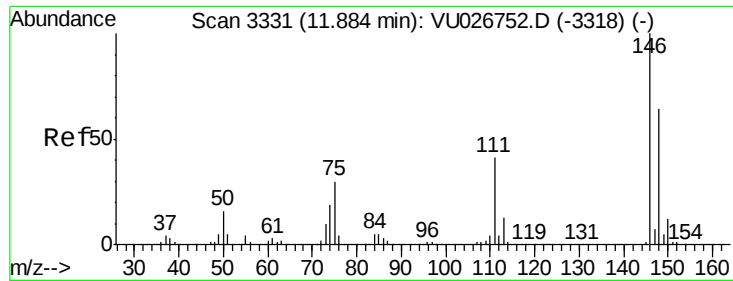


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.380 ug/L

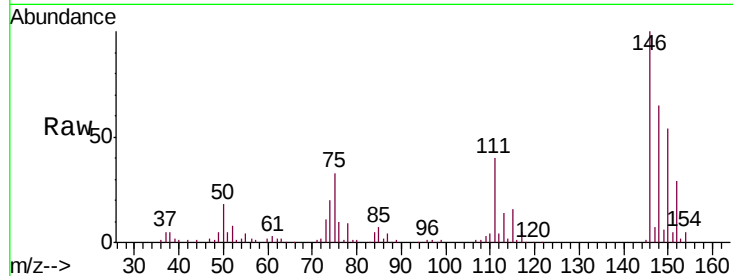
RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Tgt Ion:	146	Resp:	46428
Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.8	49.2
148	64.6	52.2	78.4

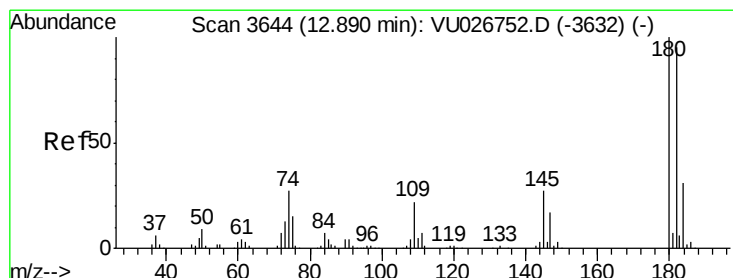
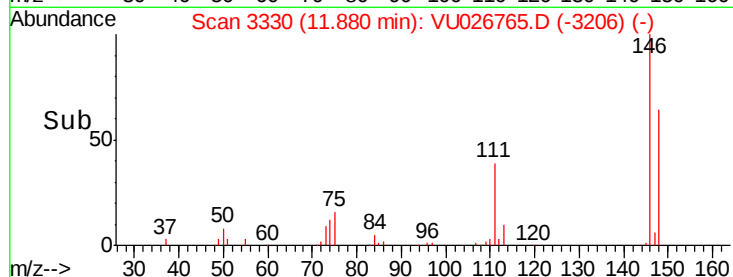
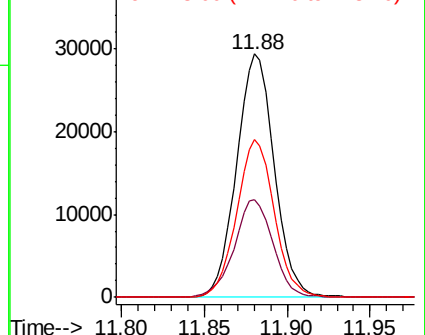


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 2.956 ug/L

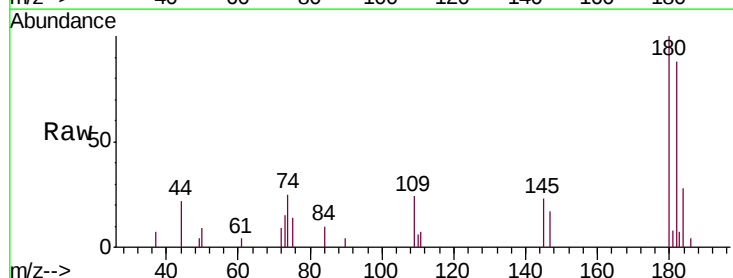
RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Tgt Ion:	180	Resp:	4406
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.8	115.2
184	27.6	24.2	36.2
145	24.9	21.4	32.2



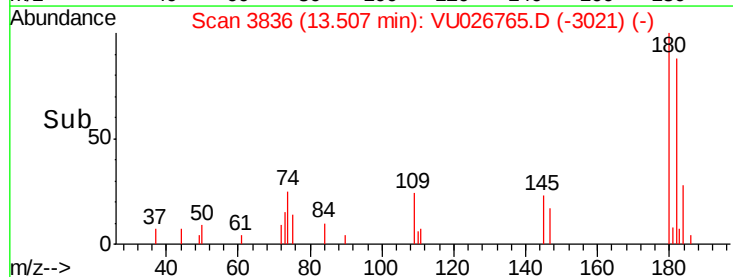
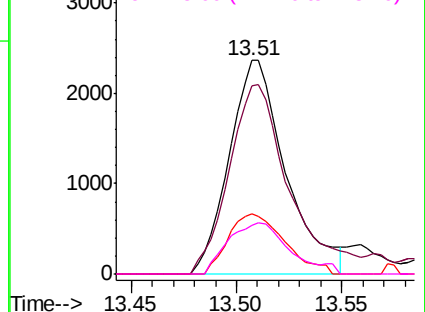
Abundance

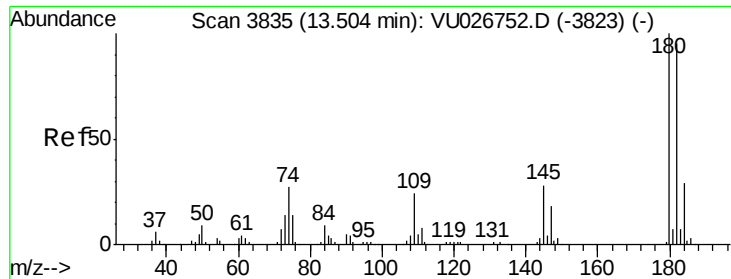
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

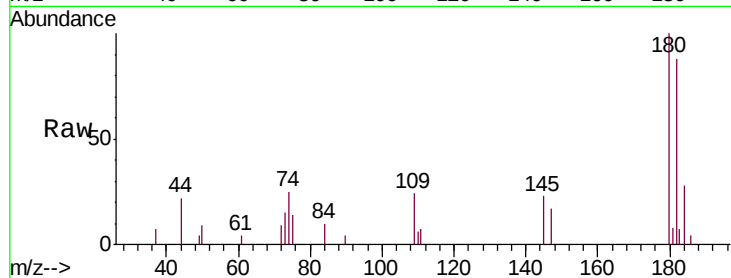




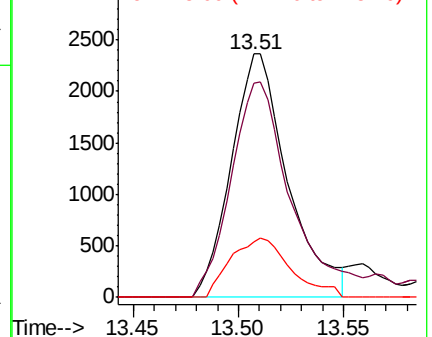
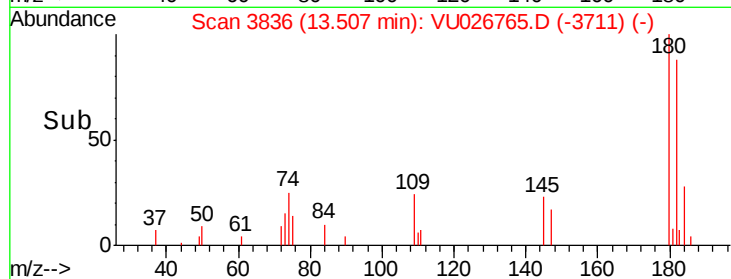
#68

1,2,4-trichlorobenzene
 Concen: 3.401 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026765.D
 Acq: 14 Sep 2018 14:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.0	114.0
145	24.9	23.4	35.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



Data File : VU026766.D
Acq On : 14 Sep 2018 15:13
Operator : MD/SY
Sample : J4890-03 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 15 00:20:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	164768	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	152933	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	63644	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51723	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.24%
7) Chloroethane-d5	1.68	69	43811	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.56%
11) 1,1-Dichloroethene-d2	2.27	63	74171	33.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.50%
21) 2-Butanone-d5	4.18	46	78936	103.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.31%
24) Chloroform-d	4.65	84	89407	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.58%
26) 1,2-Dichloroethane-d4	5.31	65	61901	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
32) Benzene-d6	5.34	84	182890	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
36) 1,2-Dichloropropane-d6	6.33	67	63903	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.22%
41) Toluene-d8	7.57	98	157129	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%
43) trans-1,3-Dichloropropene-	7.85	79	26383	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.44%
47) 2-Hexanone-d5	8.31	63	53452	98.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.63%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	83754	46.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	59420	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%

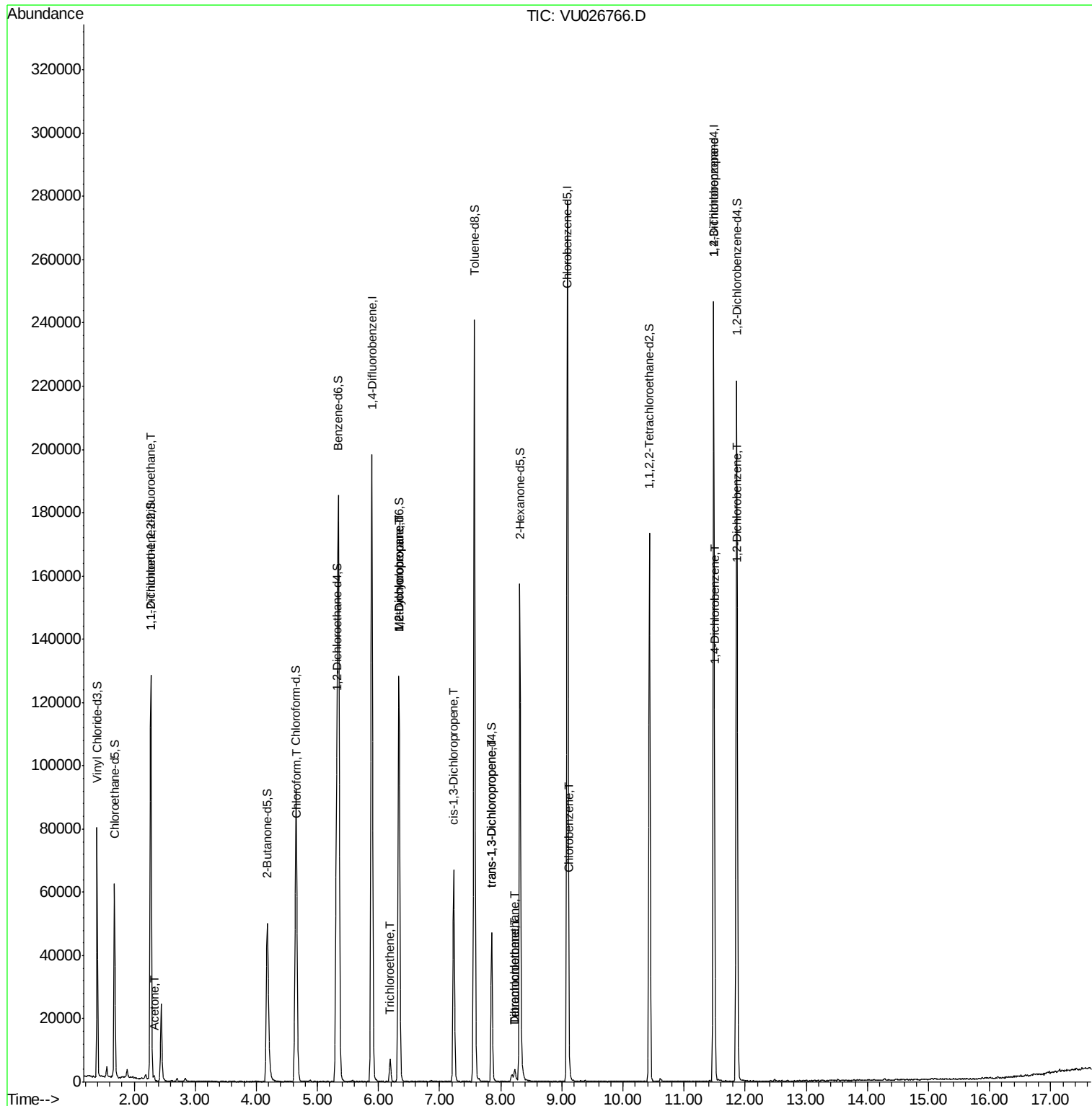
Target Compounds

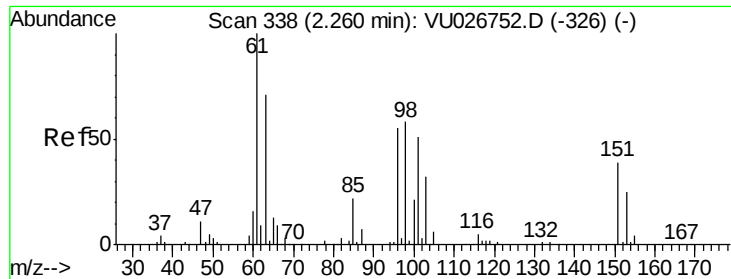
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	612	0.605 ug/L #	18
13) Acetone	2.32	43	735	0.845 ug/L	61
25) Chloroform	4.67	83	1875	0.934 ug/L	92
34) Trichloroethene	6.19	95	2539	2.385 ug/L	96
35) Methylcyclohexane	6.33	83	14380	8.439 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6593	5.511 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1503	0.849 ug/L #	61
44) trans-1,3-Dichloropropene	7.85	75	1013	0.615 ug/L #	77
46) Tetrachloroethene	8.23	164	751	0.839 ug/L	92
49) Dibromochloromethane	8.23	129	690	0.563 ug/L #	9
51) Chlorobenzene	9.12	112	1847	0.634 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	8218	5.805 ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	2610	1.348 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1990	1.030 ug/L #	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026766.D
Acq On : 14 Sep 2018 15:13
Operator : MD/SY
Sample : J4890-03 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 15 00:20:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.605 ug/L

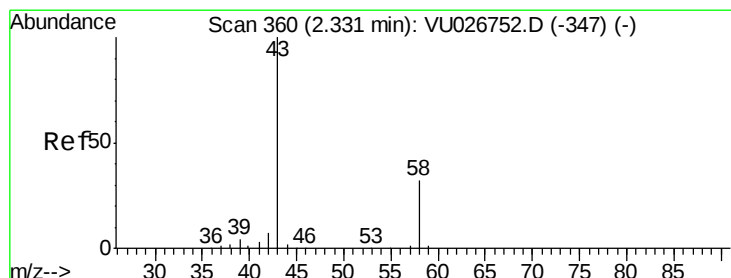
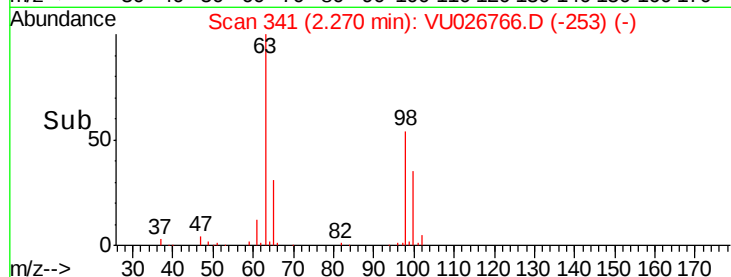
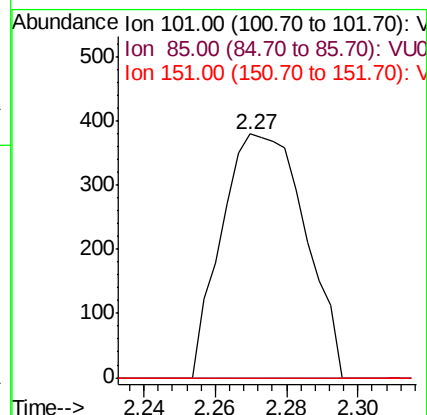
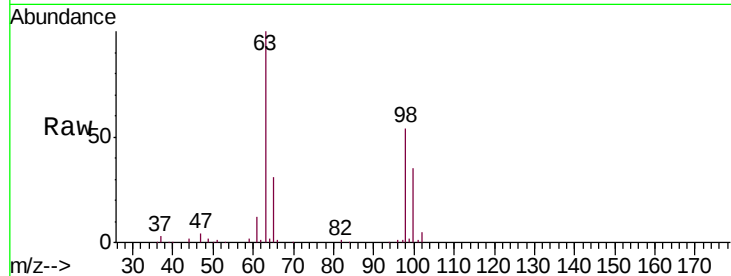
RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026766.D

Acq: 14 Sep 2018 15:13

Tgt Ion:	101	Resp:	612
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	0.0	62.6	94.0#



#13

Acetone

Concen: 0.845 ug/L

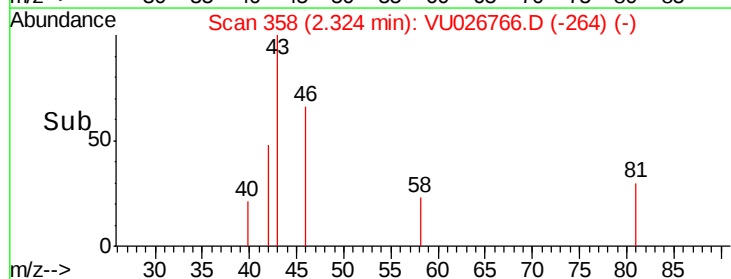
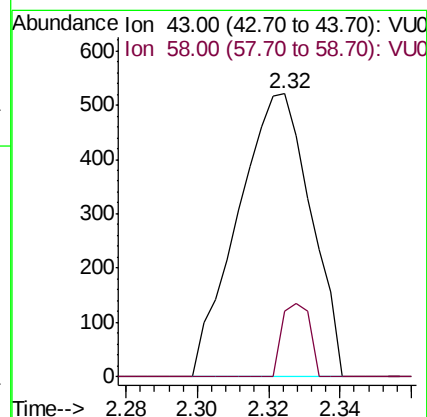
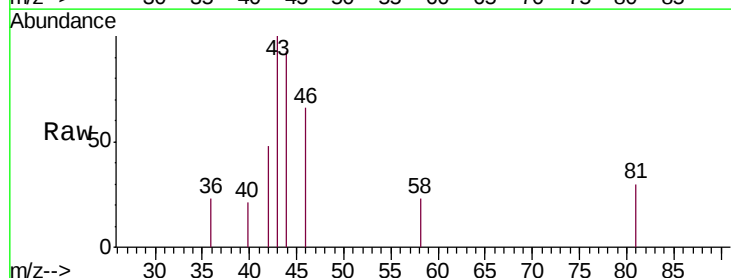
RT: 2.32 min Scan# 358

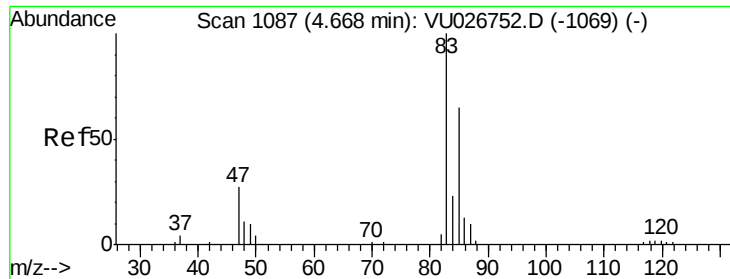
Delta R.T. 0.00 min

Lab File: VU026766.D

Acq: 14 Sep 2018 15:13

Tgt Ion:	43	Resp:	735
Ion	Ratio	Lower	Upper
43	100		
58	9.8	0.0	62.8





#25

Chloroform

Concen: 0.934 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU026766.D

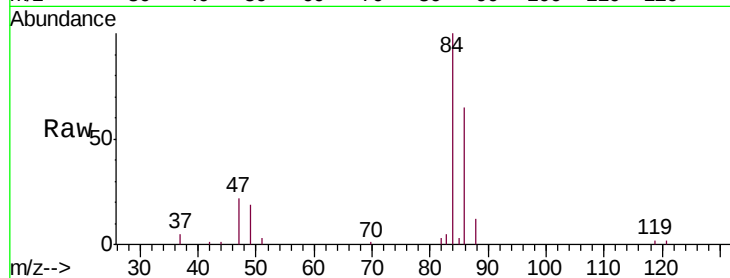
Acq: 14 Sep 2018 15:13

Tgt Ion: 83 Resp: 1875

Ion Ratio Lower Upper

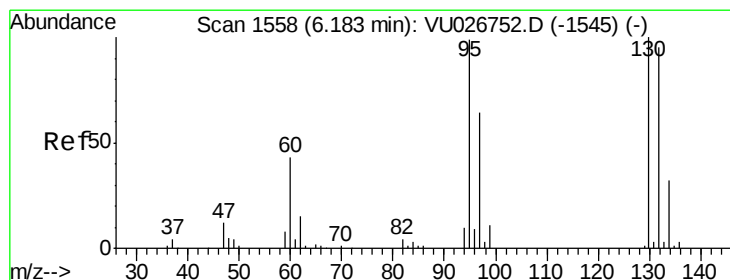
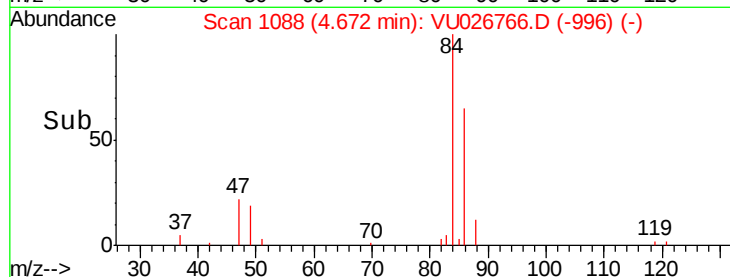
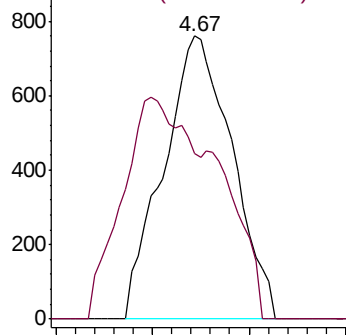
83 100

85 58.7 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#34

Trichloroethene

Concen: 2.385 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU026766.D

Acq: 14 Sep 2018 15:13

Tgt Ion: 95 Resp: 2539

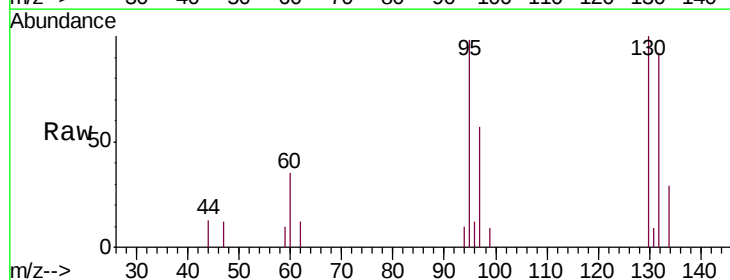
Ion Ratio Lower Upper

95 100

97 57.9 44.9 83.5

132 94.0 69.7 129.5

130 102.4 72.4 134.4

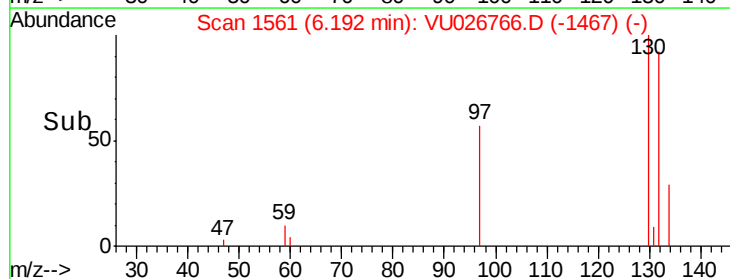
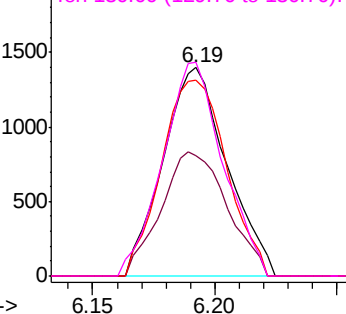


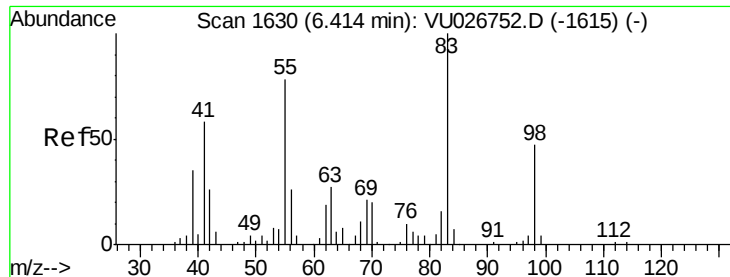
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

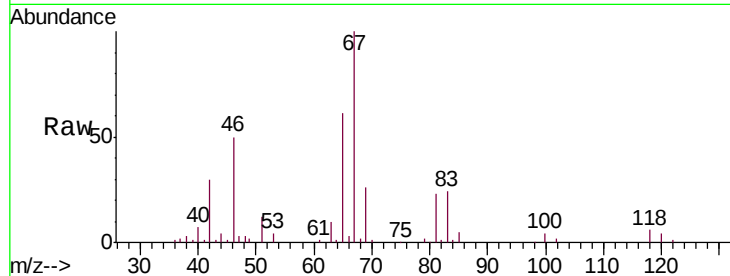
Ion 130.00 (129.70 to 130.70): V



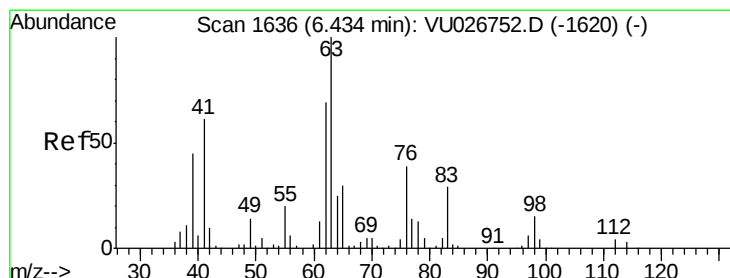
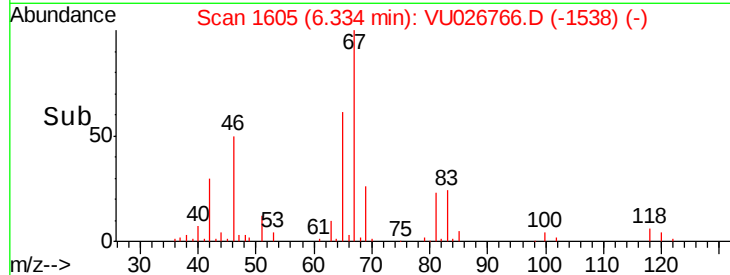
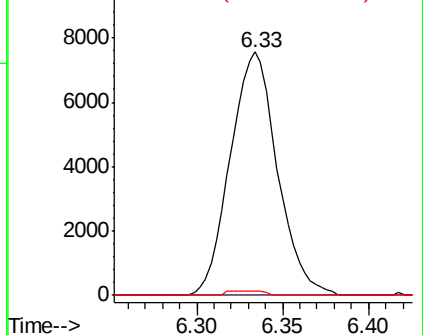


#35
Methylcyclohexane
Concen: 8.439 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026766.D
Acq: 14 Sep 2018 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.9	94.3#
98	0.7	37.0	55.4#

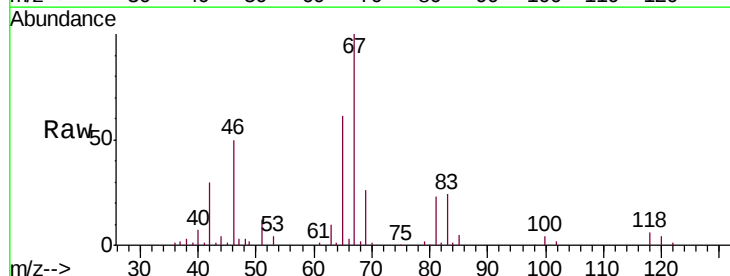


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

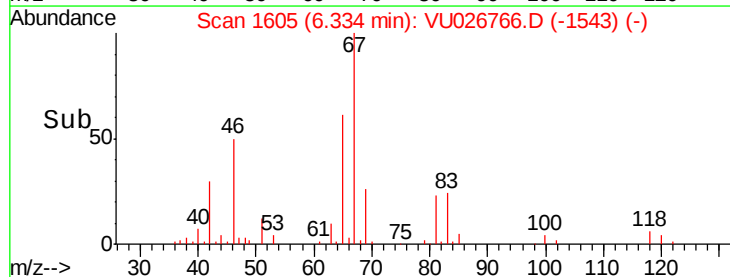
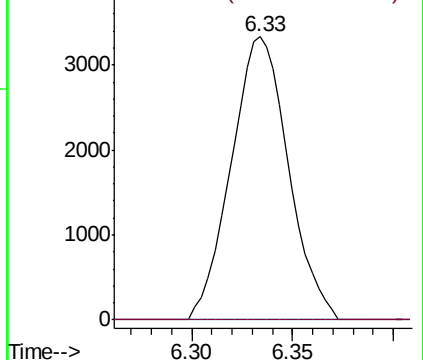


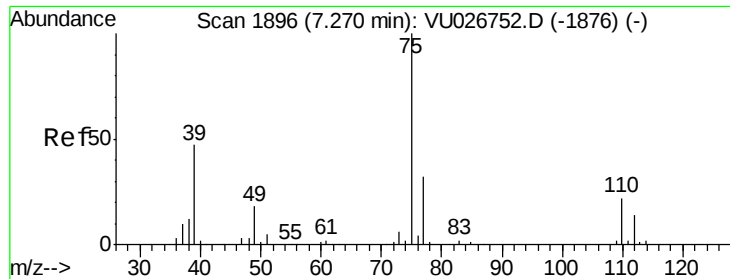
#37
1,2-Dichloropropane
Concen: 5.511 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026766.D
Acq: 14 Sep 2018 15:13

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.9	4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

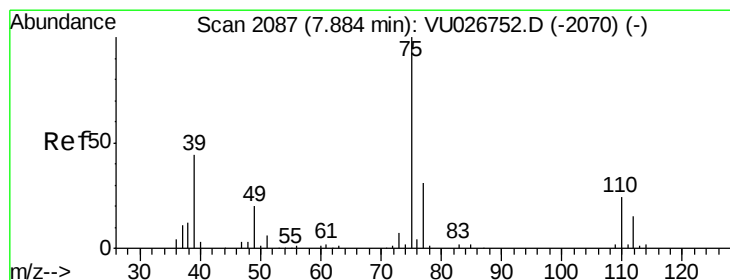
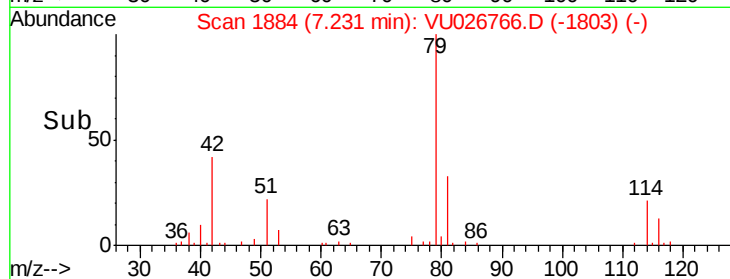
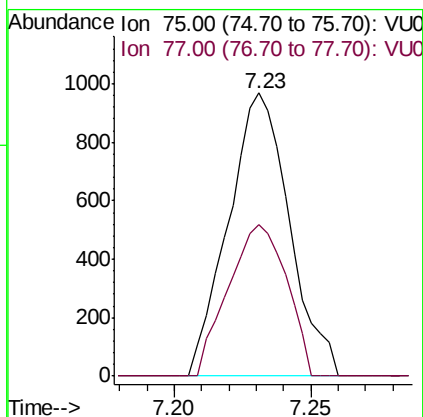
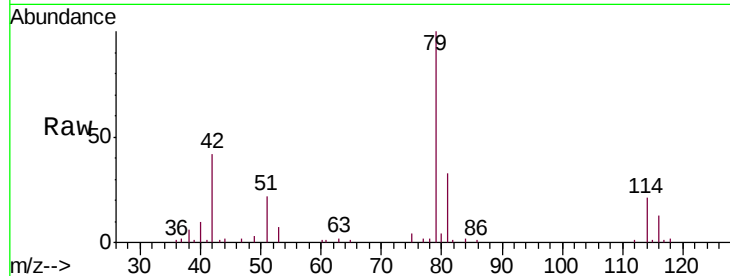




#39

cis-1,3-Dichloropropene
 Concen: 0.849 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026766.D
 Acq: 14 Sep 2018 15:13

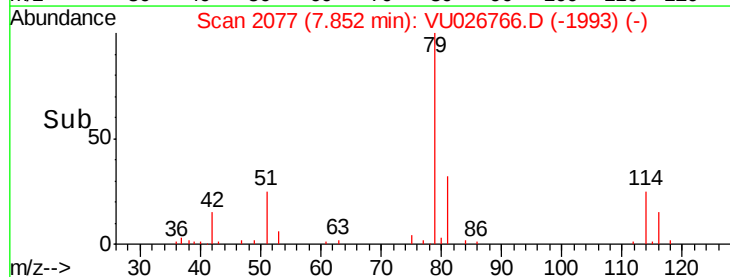
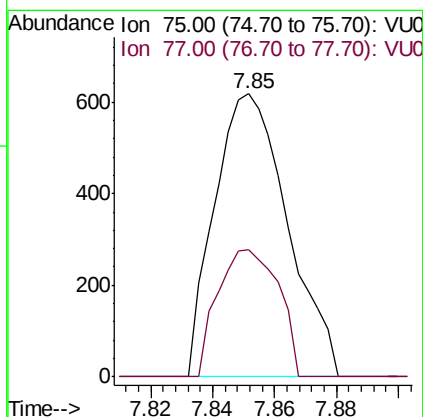
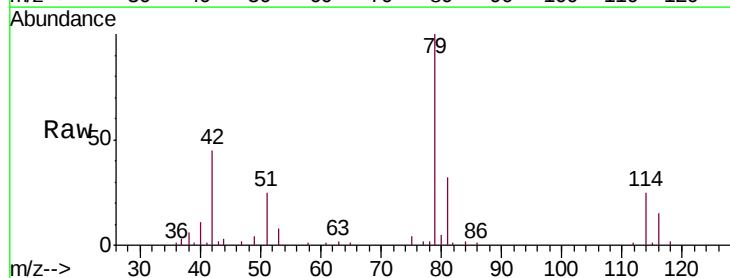
Tgt Ion: 75 Resp: 1503
 Ion Ratio Lower Upper
 75 100
 77 53.4 22.3 41.3#

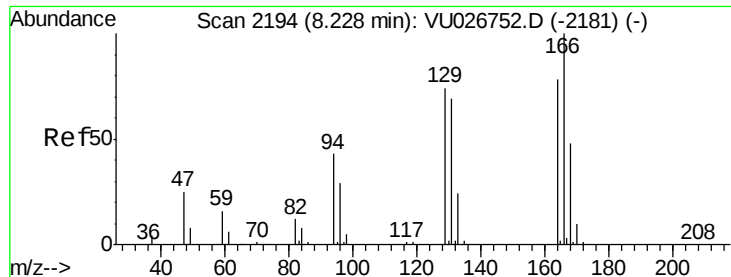


#44

trans-1,3-Dichloropropene
 Concen: 0.615 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026766.D
 Acq: 14 Sep 2018 15:13

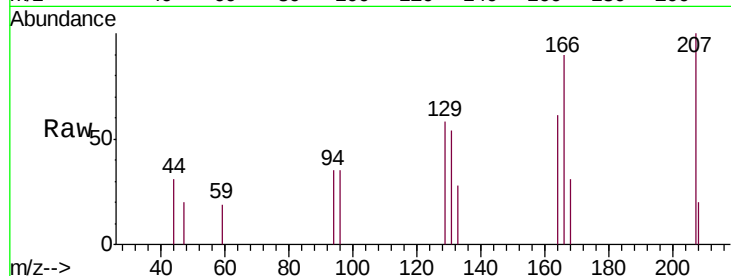
Tgt Ion: 75 Resp: 1013
 Ion Ratio Lower Upper
 75 100
 77 44.8 22.4 41.6#



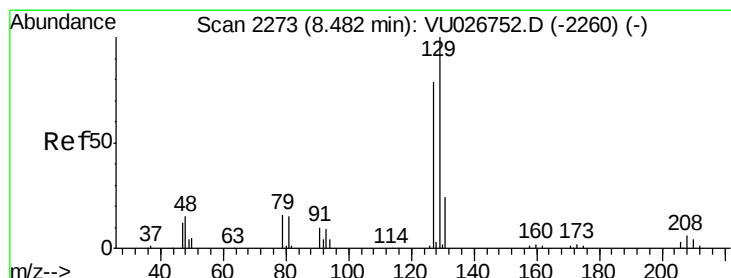
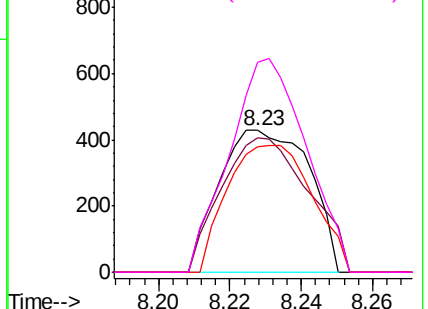
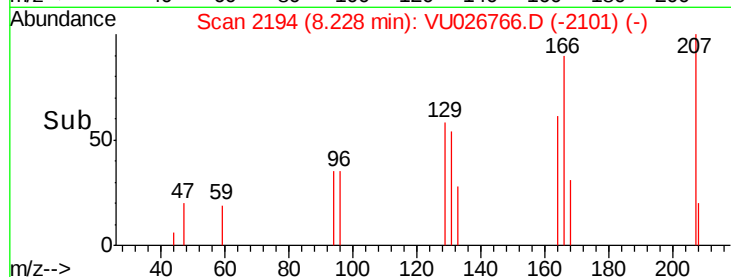


#46
 Tetrachloroethene
 Concen: 0.839 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU026766.D
 Acq: 14 Sep 2018 15:13

Tgt Ion:	164	Resp:	751
Ion	Ratio	Lower	Upper
164	100		
129	94.9	65.0	120.8
131	88.6	62.5	116.1
166	147.6	89.0	165.2

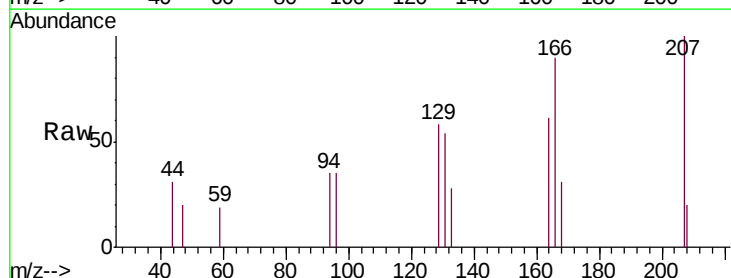


Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

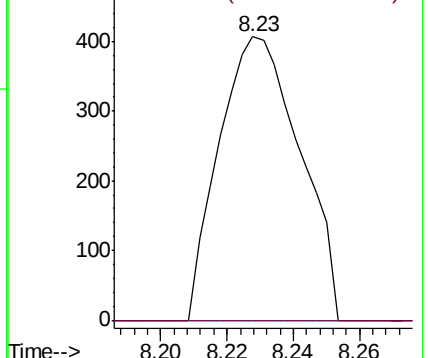
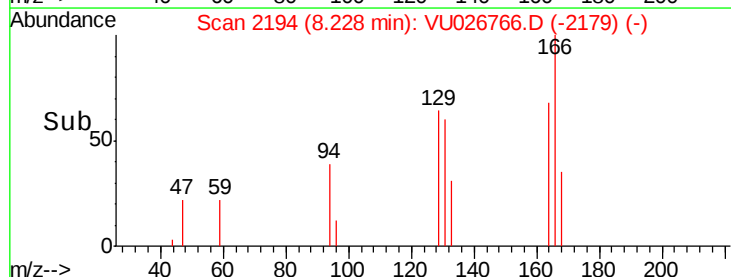


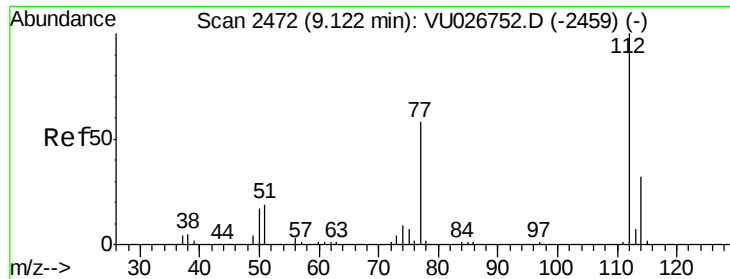
#49
 Dibromochloromethane
 Concen: 0.563 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU026766.D
 Acq: 14 Sep 2018 15:13

Tgt Ion:	129	Resp:	690
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.8	103.6#



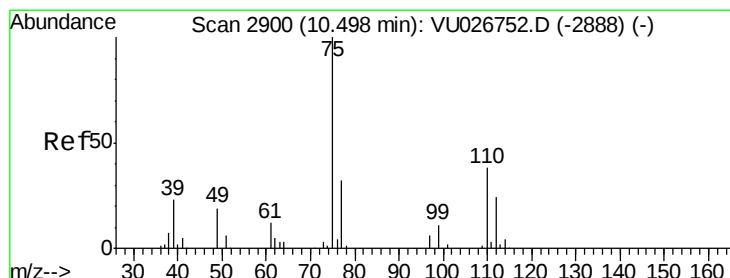
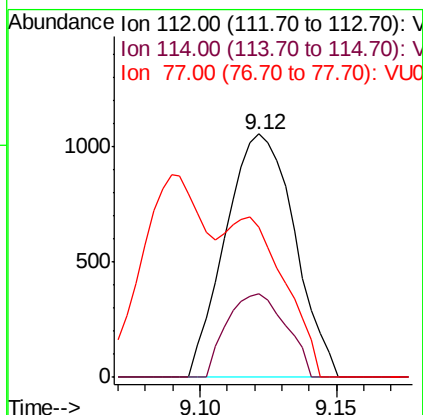
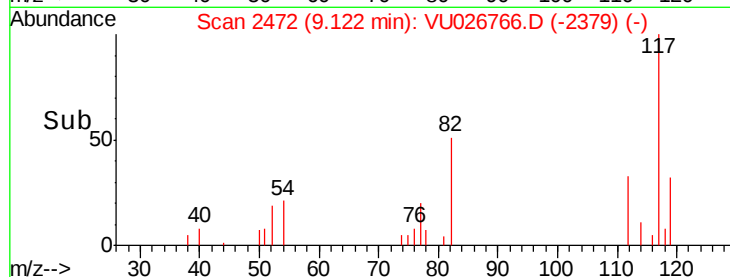
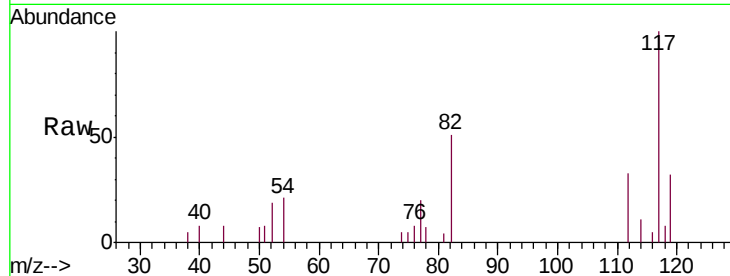
Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





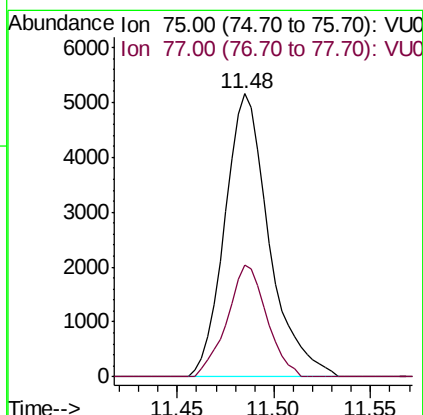
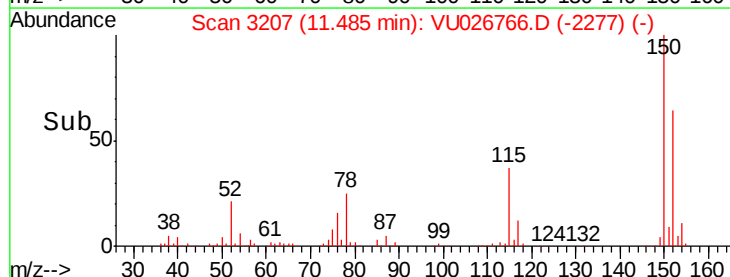
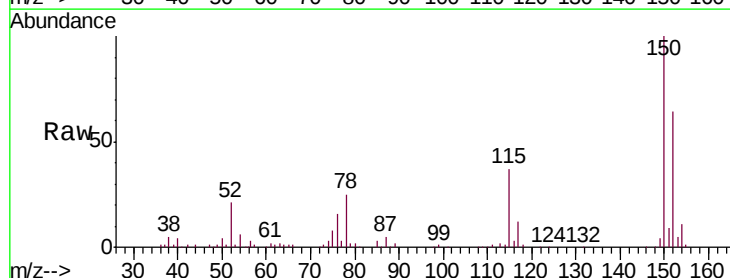
#51
Chlorobenzene
Concen: 0.634 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026766.D
Acq: 14 Sep 2018 15:13

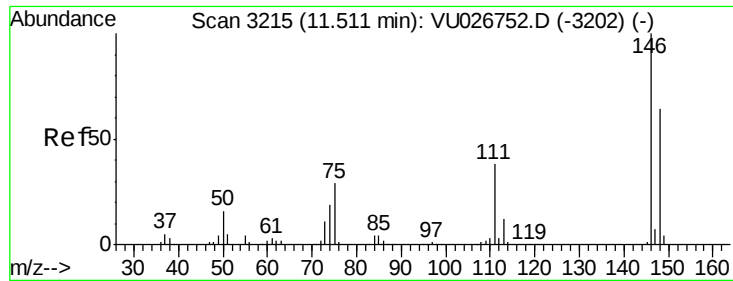
Tgt Ion: 112 Resp: 1847
Ion Ratio Lower Upper
112 100
114 34.2 22.9 42.5
77 61.7 47.2 70.8



#59
1,2,3-Trichloropropane
Concen: 5.805 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026766.D
Acq: 14 Sep 2018 15:13

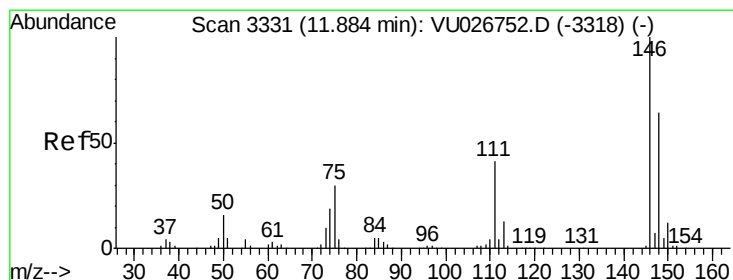
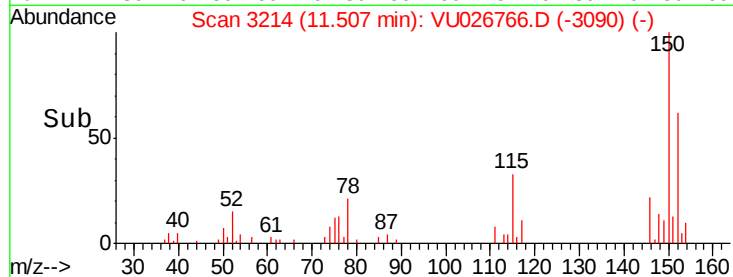
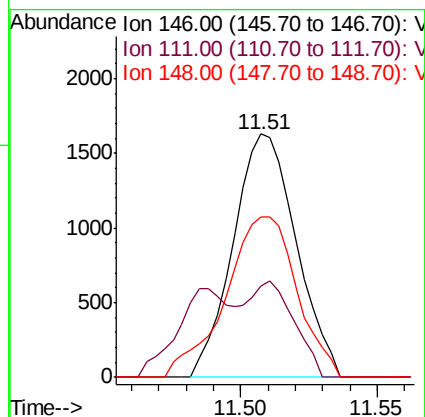
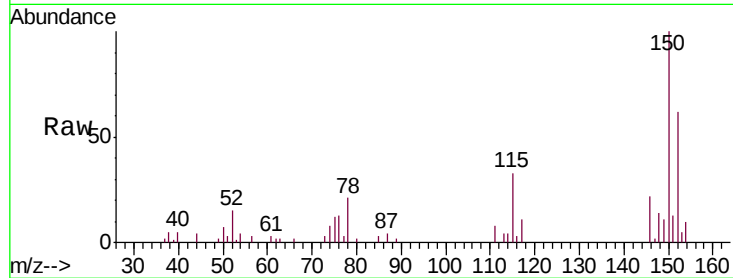
Tgt Ion: 75 Resp: 8218
Ion Ratio Lower Upper
75 100
77 35.1 25.8 38.6





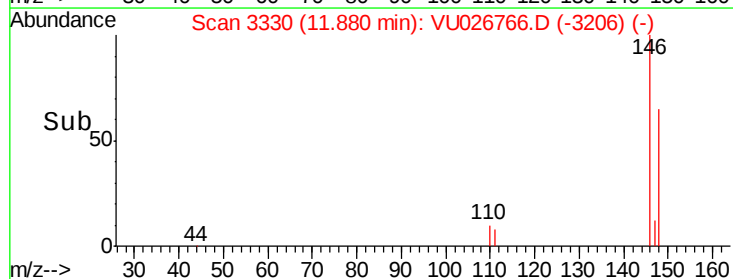
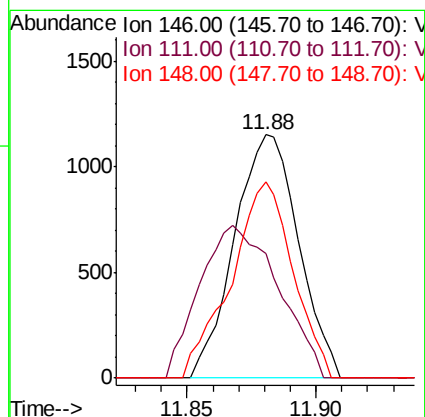
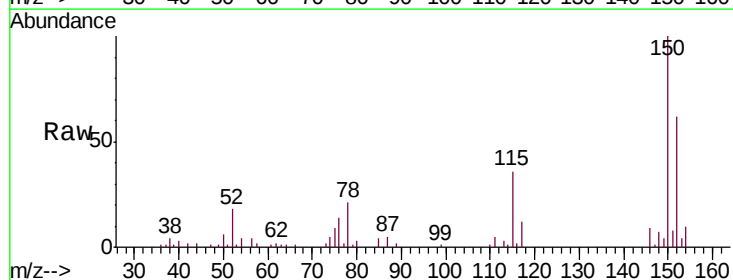
#63
 1,4-Dichlorobenzene
 Concen: 1.348 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026766.D
 Acq: 14 Sep 2018 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	26.5	49.3
148	66.0	45.2	84.0



#65
 1,2-Dichlorobenzene
 Concen: 1.030 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026766.D
 Acq: 14 Sep 2018 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.1	32.8	49.2#
148	80.4	52.2	78.4#



Data File : VU026767.D
Acq On : 14 Sep 2018 15:36
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 15 00:20:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	174862	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168277	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82623	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59447	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.24%
7) Chloroethane-d5	1.68	69	49261	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.82%
11) 1,1-Dichloroethene-d2	2.27	63	115548	49.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.10%
21) 2-Butanone-d5	4.18	46	83375	102.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.82%
24) Chloroform-d	4.65	84	102082	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
26) 1,2-Dichloroethane-d4	5.31	65	67155	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
32) Benzene-d6	5.34	84	206942	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
36) 1,2-Dichloropropane-d6	6.33	67	70112	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.57	98	192258	47.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.10%
43) trans-1,3-Dichloropropene-	7.85	79	30926	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
47) 2-Hexanone-d5	8.31	63	60252	101.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	96267	48.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	75514	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	58377	53.036	ug/L 99
3) Chloromethane	1.33	50	77348	53.457	ug/L 98
5) Vinyl chloride	1.40	62	80475	53.826	ug/L 99
6) Bromomethane	1.62	94	42632	48.931	ug/L 95
8) Chloroethane	1.70	64	49469	53.350	ug/L 98
9) Trichlorofluoromethane	1.88	101	103721	55.016	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	59991	55.876	ug/L 99
12) 1,1-Dichloroethene	2.28	96	56127	54.436	ug/L 93
13) Acetone	2.32	43	71234	77.128	ug/L 99
14) Carbon disulfide	2.48	76	170697	50.973	ug/L 99
15) Methyl Acetate	2.62	43	78646	59.689	ug/L 98
16) Methylene chloride	2.70	84	68229	56.072	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	59121	54.115	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	195279	58.008	ug/L 100
19) 1,1-Dichloroethane	3.45	63	123356	58.220	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	69352	56.358	ug/L 99
22) 2-Butanone	4.26	43	110047	104.066	ug/L 99

Data File : VU026767.D
Acq On : 14 Sep 2018 15:36
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 15 00:20:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

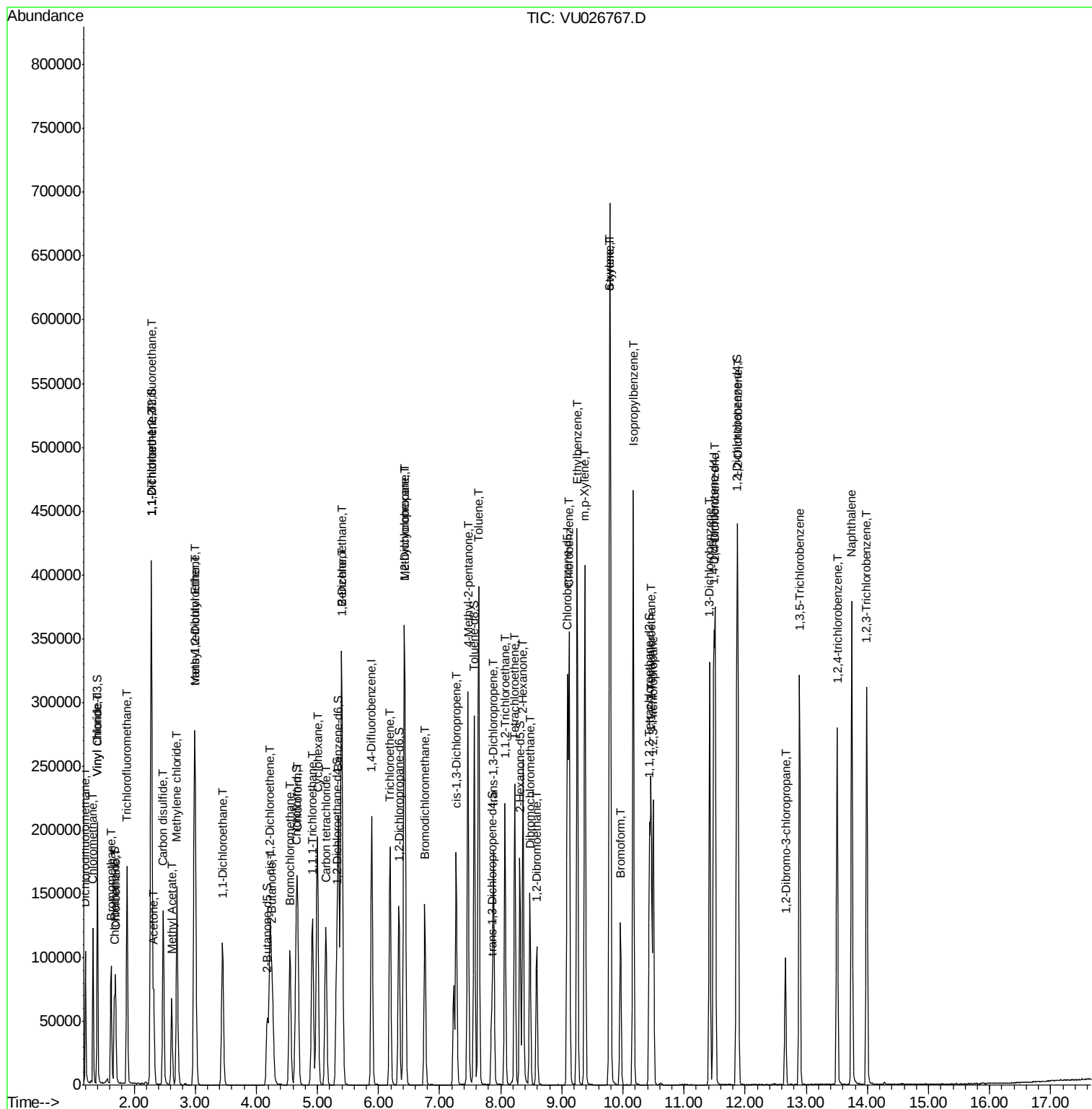
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	35618	56.591	ug/L	98
25) Chloroform	4.67	83	125246	58.811	ug/L	98
27) 1,2-Dichloroethane	5.41	62	96632	57.143	ug/L	100
29) Cyclohexane	5.00	56	103494	56.147	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	102076	57.260	ug/L	99
31) Carbon tetrachloride	5.14	117	90031	55.873	ug/L	100
33) Benzene	5.39	78	269122	57.110	ug/L	100
34) Trichloroethene	6.19	95	64122	54.746	ug/L	99
35) Methylcyclohexane	6.42	83	103580	55.247	ug/L	99
37) 1,2-Dichloropropane	6.43	63	76959	58.459	ug/L	100
38) Bromodichloromethane	6.76	83	92940	57.608	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	107442	55.154	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	208397	124.100	ug/L	99
42) Toluene	7.64	91	279159	57.155	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	100478	55.443	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	68048	58.274	ug/L	98
46) Tetrachloroethene	8.23	164	53193	54.037	ug/L	99
48) 2-Hexanone	8.36	43	163261	115.153	ug/L	100
49) Dibromochloromethane	8.48	129	75554	55.977	ug/L	99
50) 1,2-Dibromoethane	8.59	107	70871	56.734	ug/L	99
51) Chlorobenzene	9.12	112	180293	56.219	ug/L	99
52) Ethylbenzene	9.25	91	300581	56.904	ug/L	99
53) m,p-Xylene	9.38	106	113714	57.094	ug/L	99
54) o-xylene	9.78	106	114272	57.809	ug/L	99
55) Styrene	9.79	104	194649	58.213	ug/L	99
56) Isopropylbenzene	10.17	105	291477	57.885	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	116765	57.720	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	90746	58.259	ug/L	100
61) Bromoform	9.96	173	57744	56.734	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	132798	55.977	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	137701	54.791	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	146104	58.271	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	24471	60.412	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	103367	54.930	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	88851	54.323	ug/L	99
69) Naphthalene	13.75	128	297972	59.452	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	99982	56.433	ug/L	99

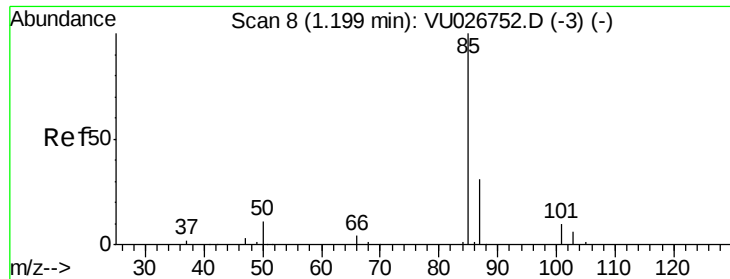
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026767.D

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Acq On       : 14 Sep 2018   15:36
Operator     : MD/SY
Sample       : VSTDCCC050EC
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 42      Sample Multiplier: 1
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Quant Time: Sep 15 00:20:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 53.036 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026767.D

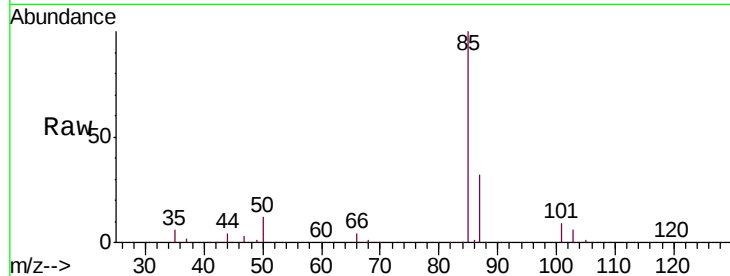
Acq: 14 Sep 2018 15:36

Tgt Ion: 85 Resp: 58377

Ion Ratio Lower Upper

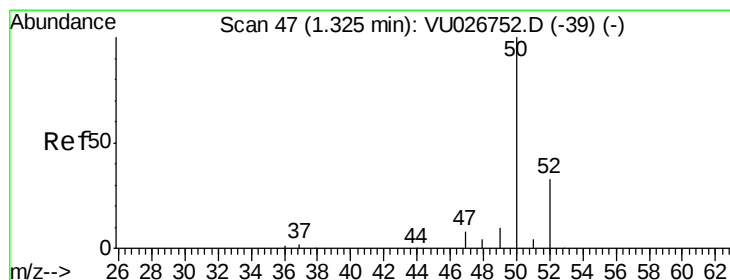
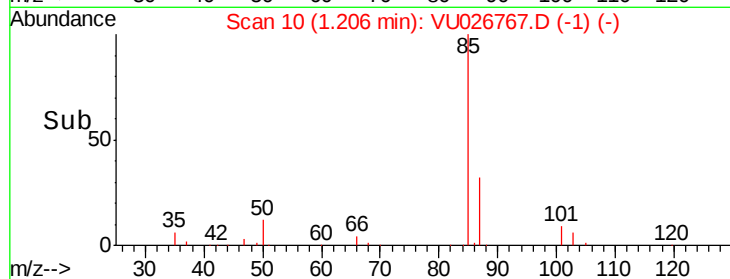
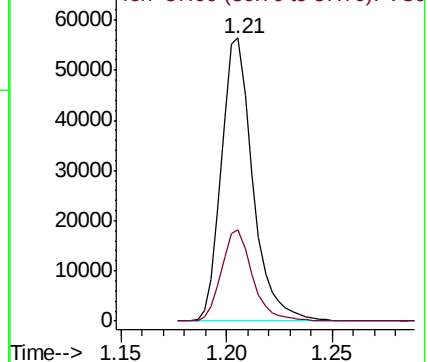
85 100

87 31.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 53.457 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026767.D

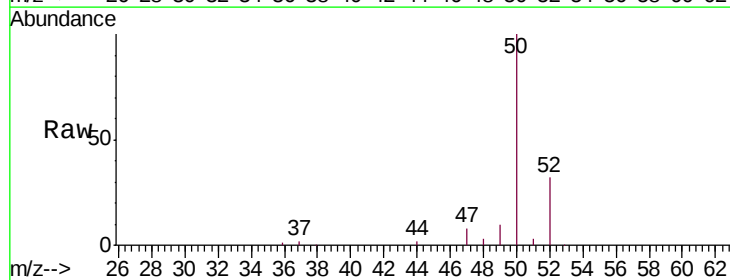
Acq: 14 Sep 2018 15:36

Tgt Ion: 50 Resp: 77348

Ion Ratio Lower Upper

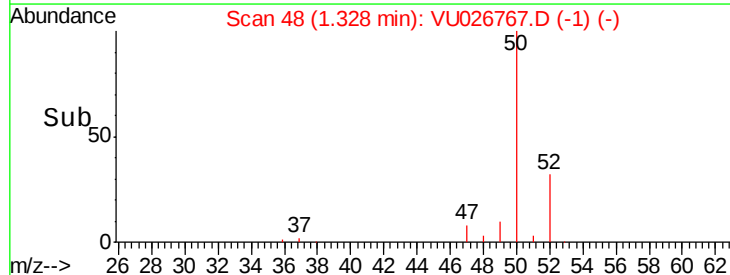
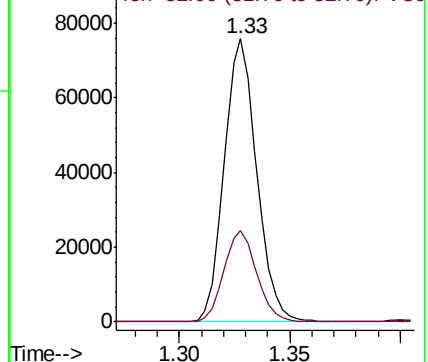
50 100

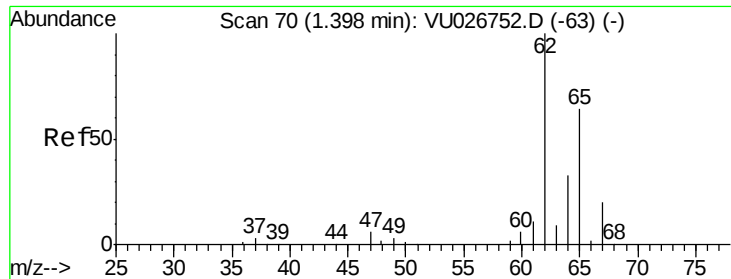
52 32.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 53.826 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026767.D

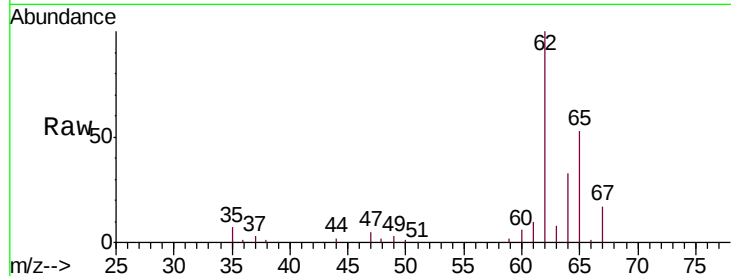
Acq: 14 Sep 2018 15:36

Tgt Ion: 62 Resp: 80475

Ion Ratio Lower Upper

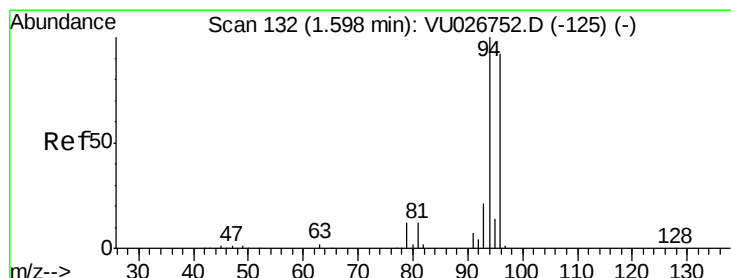
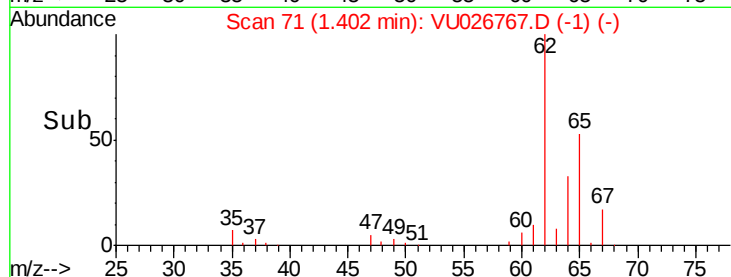
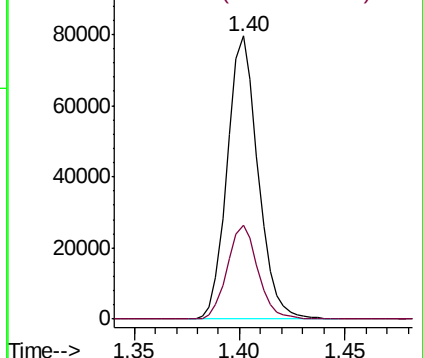
62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.931 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU026767.D

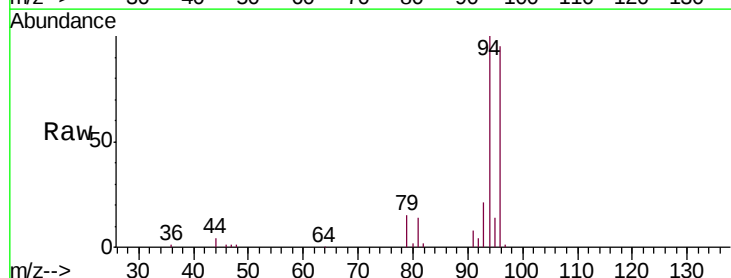
Acq: 14 Sep 2018 15:36

Tgt Ion: 94 Resp: 42632

Ion Ratio Lower Upper

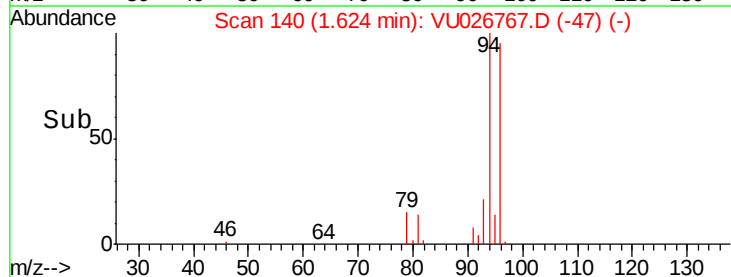
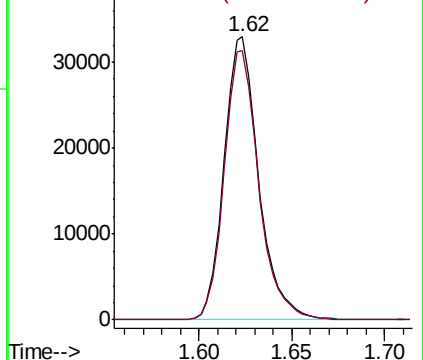
94 100

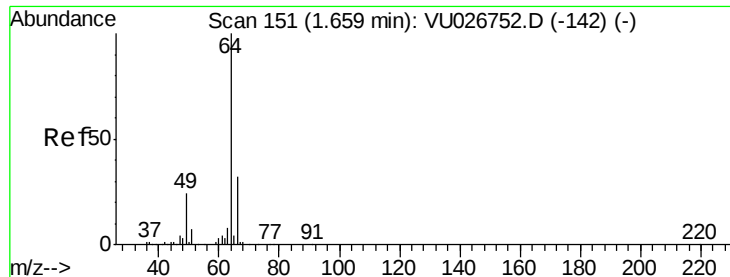
96 95.2 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 53.350 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU026767.D

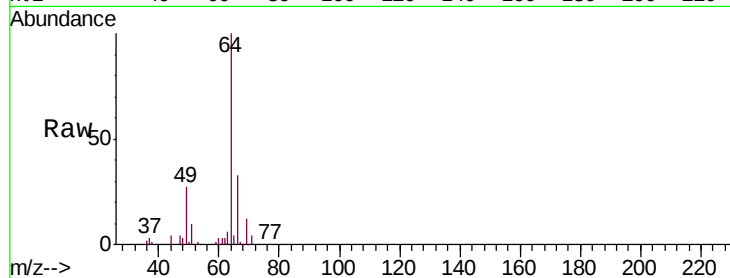
Acq: 14 Sep 2018 15:36

Tgt Ion: 64 Resp: 49469

Ion Ratio Lower Upper

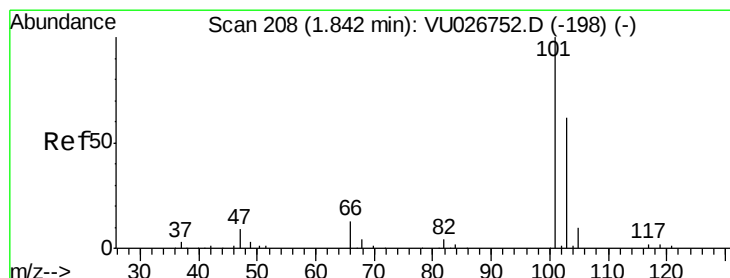
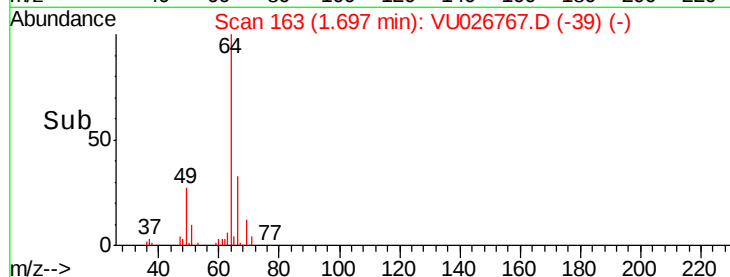
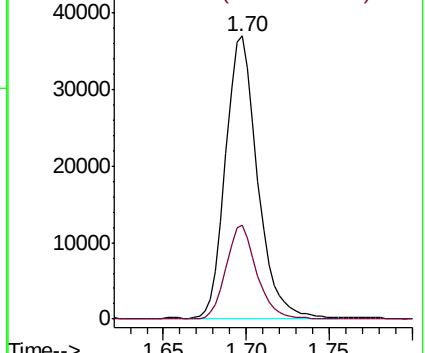
64 100

66 33.1 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 55.016 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026767.D

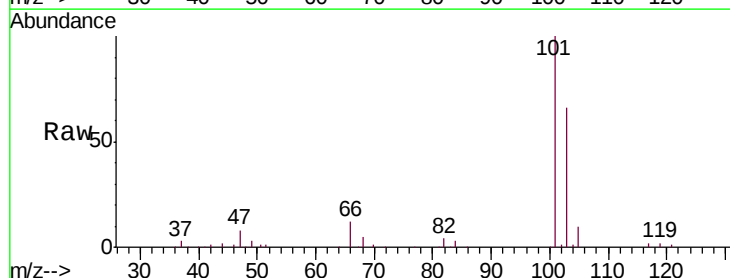
Acq: 14 Sep 2018 15:36

Tgt Ion: 101 Resp: 103721

Ion Ratio Lower Upper

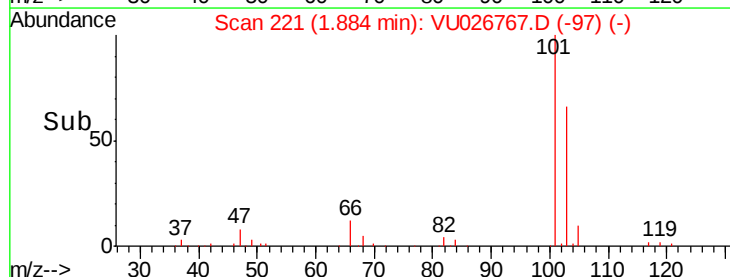
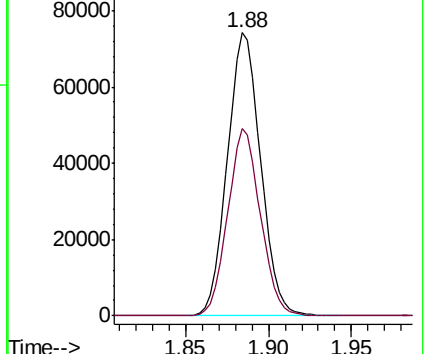
101 100

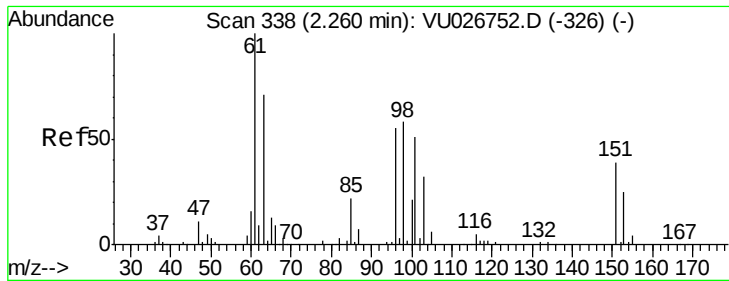
103 64.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 55.876 ug/L

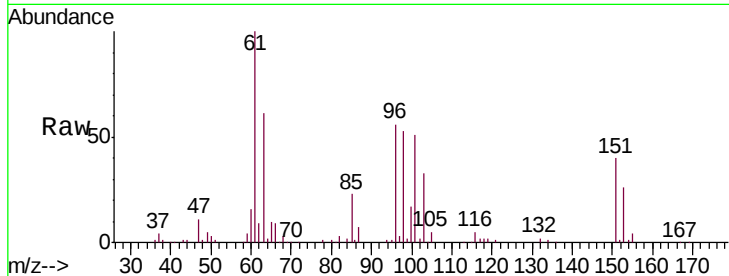
RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

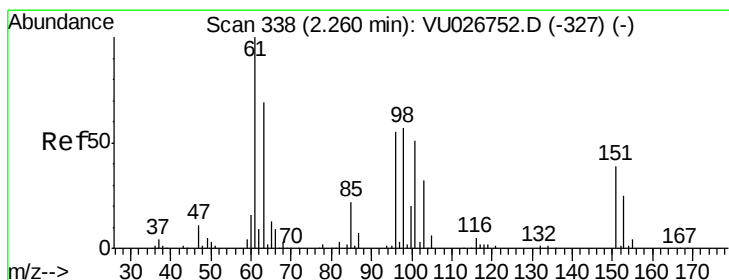
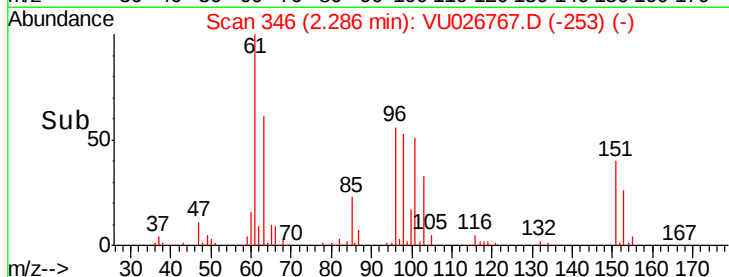
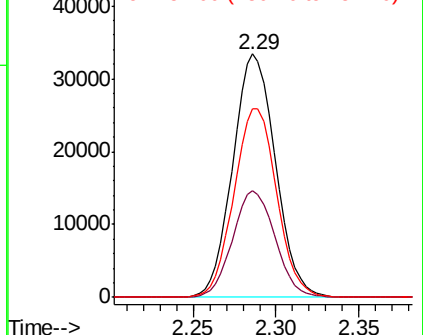
Tgt Ion:	101	Resp:	59991
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.1	51.1
151	77.7	62.6	94.0



Abundance Ion 101.00 (100.70 to 101.70): VU026767.D (-346) (-)

Ion 85.00 (84.70 to 85.70): VU026767.D (-346) (-)

Ion 151.00 (150.70 to 151.70): VU026767.D (-346) (-)



#12

1,1-Dichloroethene

Concen: 54.436 ug/L

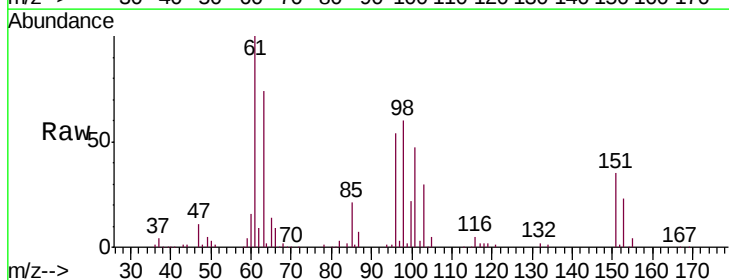
RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

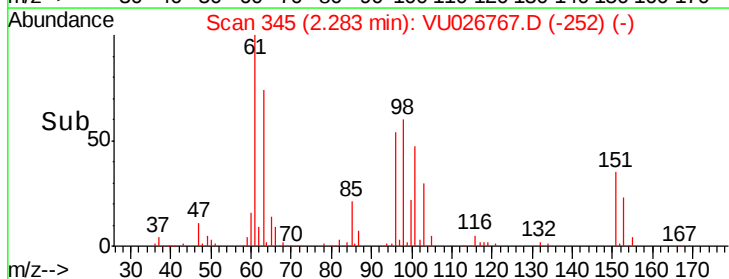
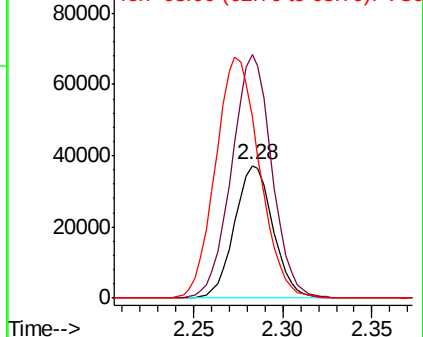
Tgt Ion:	96	Resp:	56127
Ion	Ratio	Lower	Upper
96	100		
61	184.0	121.0	224.8
63	136.2	89.9	166.9

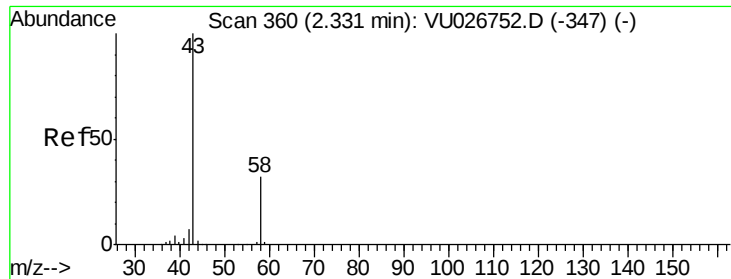


Abundance Ion 96.00 (95.70 to 96.70): VU026767.D (-345) (-)

Ion 61.00 (60.70 to 61.70): VU026767.D (-345) (-)

Ion 63.00 (62.70 to 63.70): VU026767.D (-345) (-)





#13

Acetone

Concen: 77.128 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026767.D

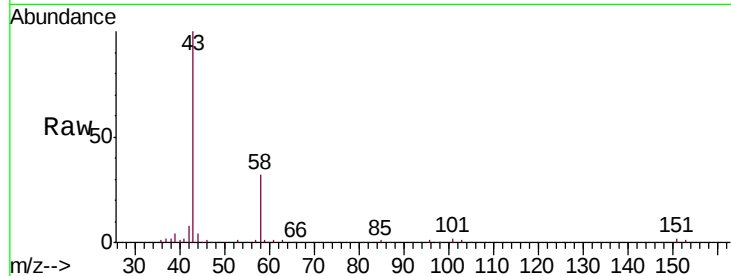
Acq: 14 Sep 2018 15:36

Tgt Ion: 43 Resp: 71234

Ion Ratio Lower Upper

43 100

58 30.9 0.0 62.8

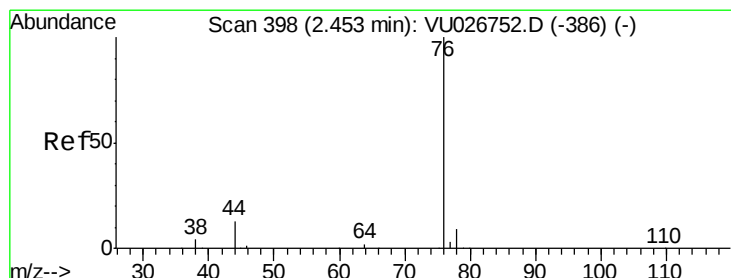
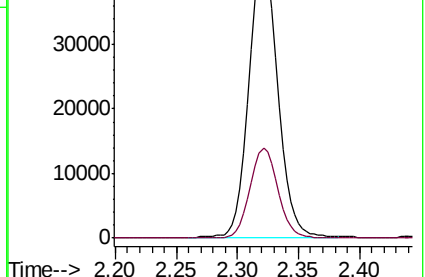
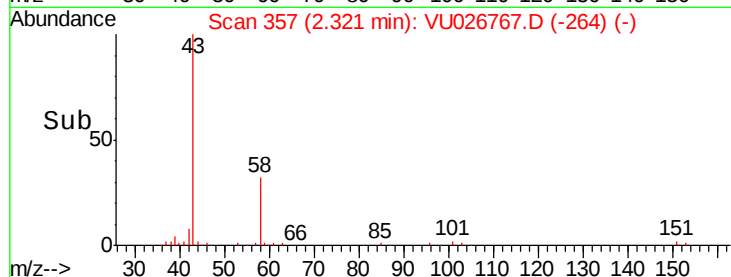


Abundance Ion 43.00 (42.70 to 43.70): VU026752.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VU026752.D (-347) (-)

2.32

Time-->



#14

Carbon disulfide

Concen: 50.973 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026767.D

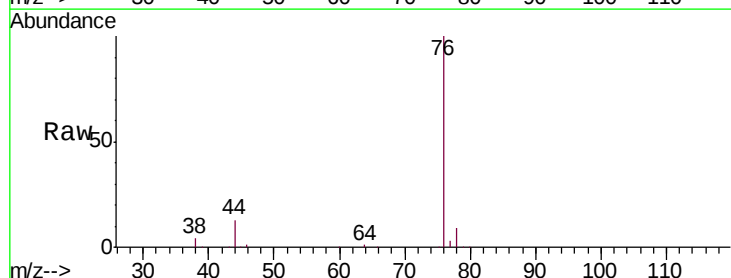
Acq: 14 Sep 2018 15:36

Tgt Ion: 76 Resp: 170697

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

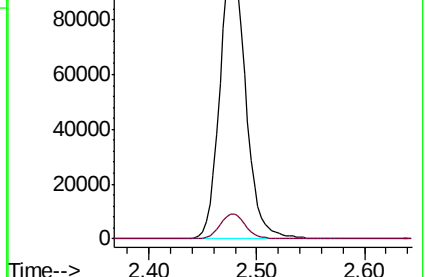
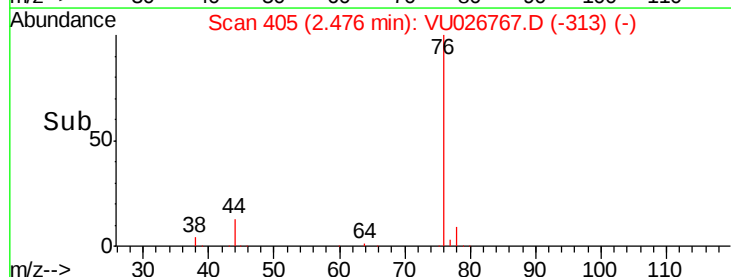


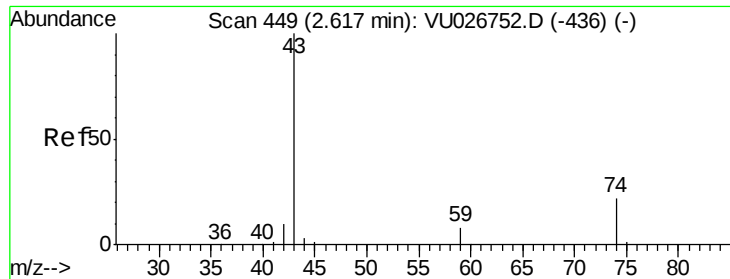
Abundance Ion 76.00 (75.70 to 76.70): VU026752.D (-386) (-)

Ion 78.00 (77.70 to 78.70): VU026752.D (-386) (-)

2.48

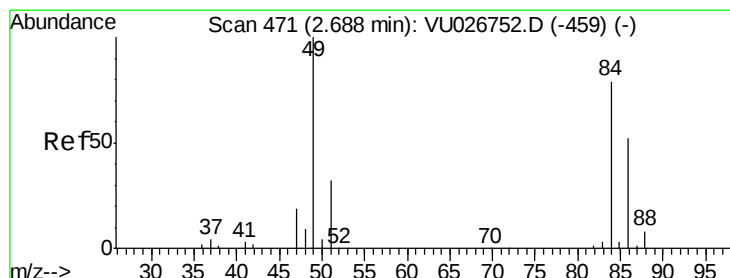
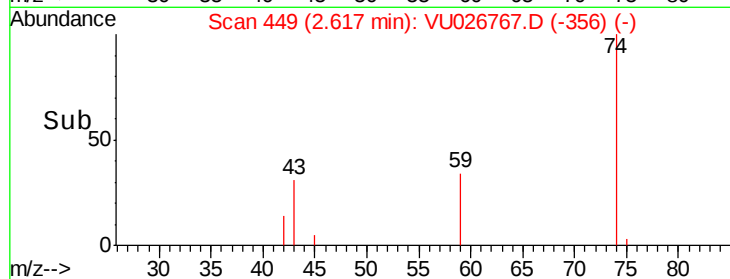
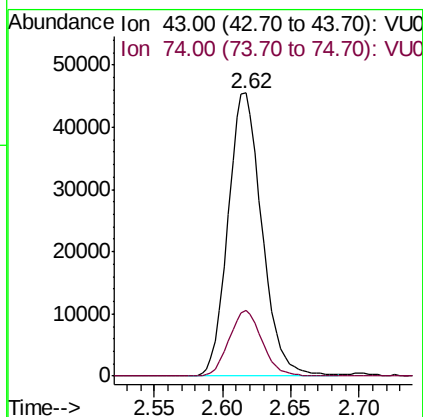
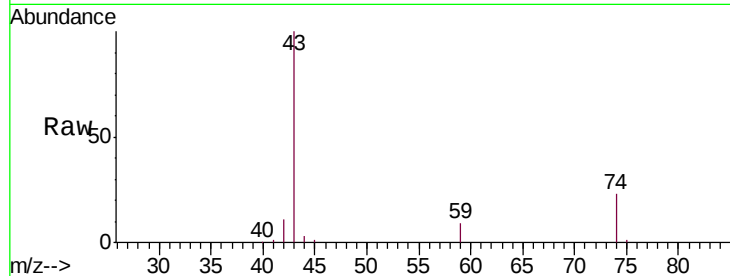
Time-->





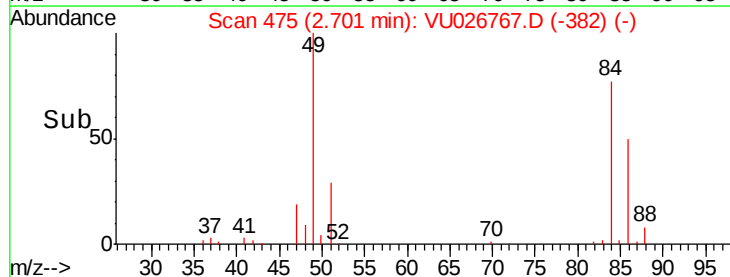
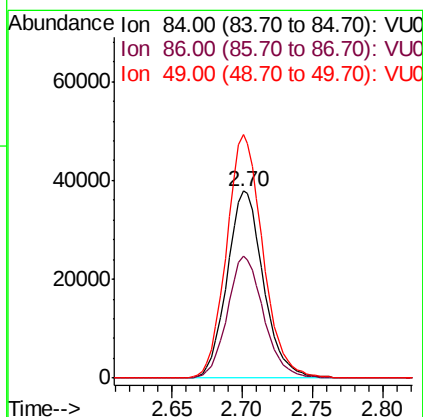
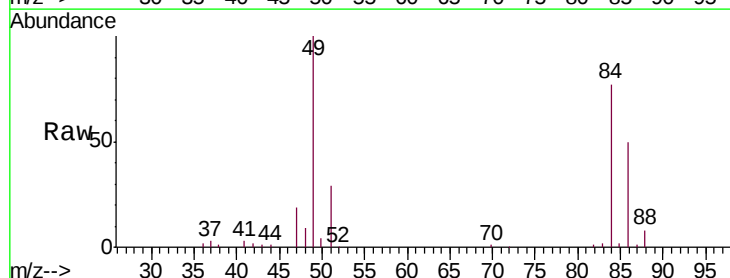
#15
Methyl Acetate
Concen: 59.689 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

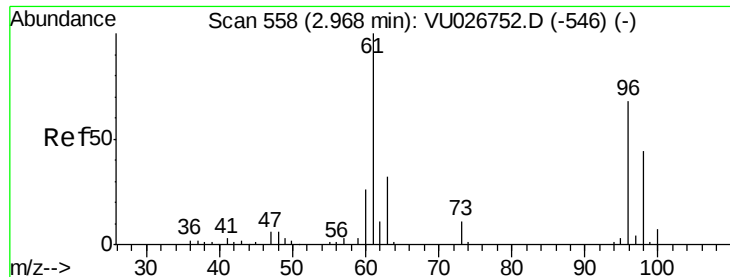
Tgt Ion: 43 Resp: 78646
Ion Ratio Lower Upper
43 100
74 22.4 18.5 27.7



#16
Methylene chloride
Concen: 56.072 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion: 84 Resp: 68229
Ion Ratio Lower Upper
84 100
86 65.1 44.1 81.9
49 130.1 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 54.115 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

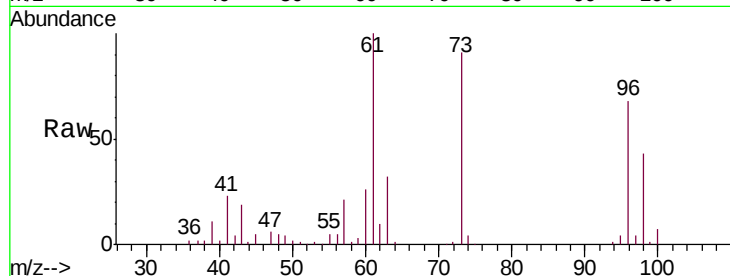
Tgt Ion: 96 Resp: 59121

Ion Ratio Lower Upper

96 100

61 147.8 99.7 185.1

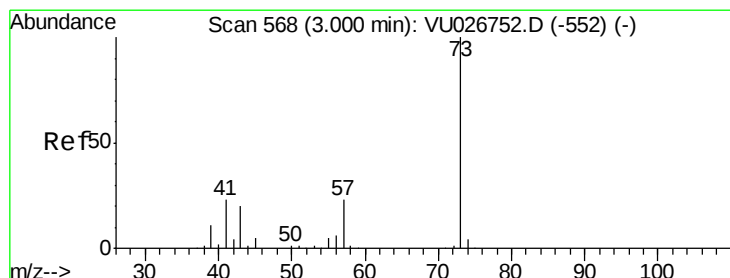
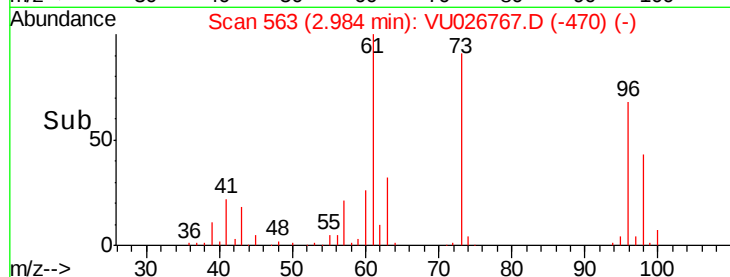
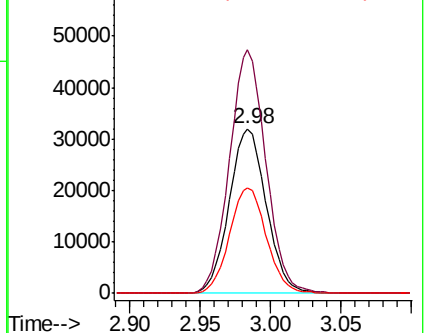
98 64.1 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 58.008 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

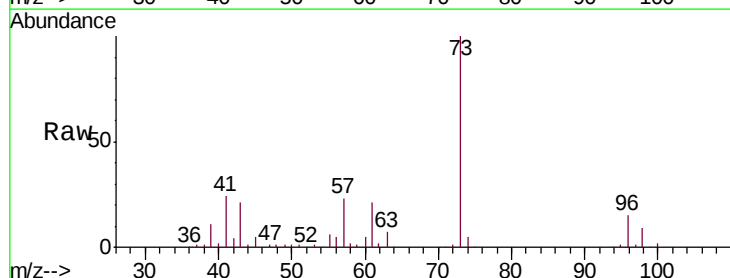
Tgt Ion: 73 Resp: 195279

Ion Ratio Lower Upper

73 100

43 20.3 16.0 24.0

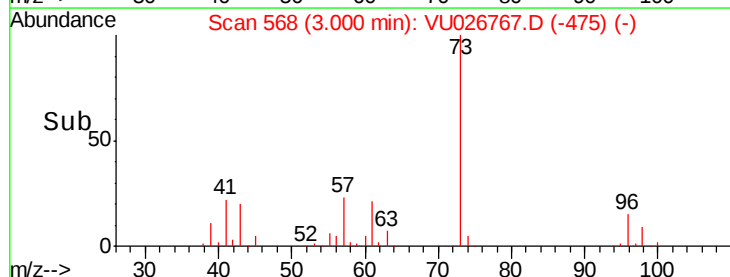
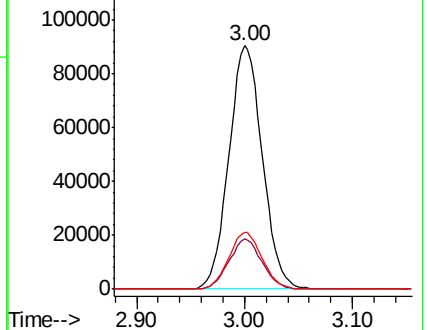
57 23.1 18.6 27.8

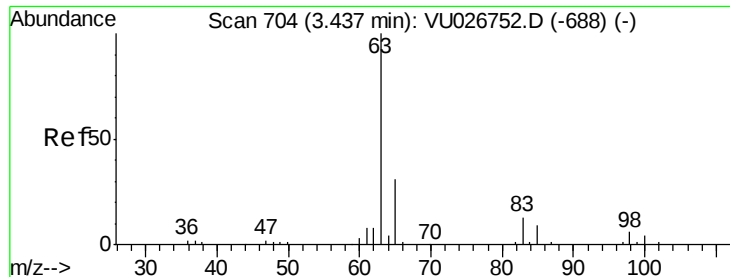


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 58.220 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

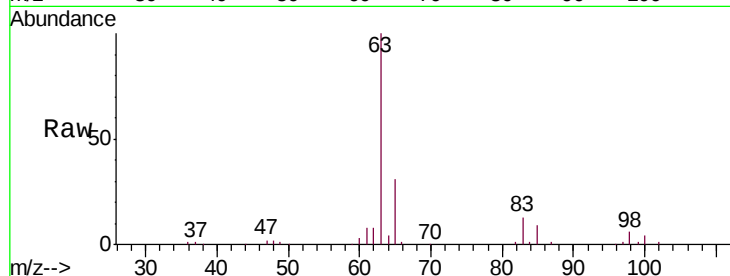
Tgt Ion: 63 Resp: 123356

Ion Ratio Lower Upper

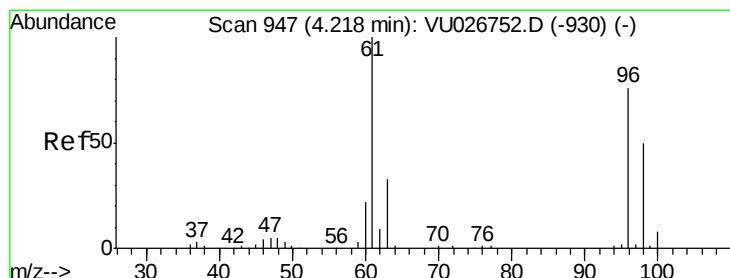
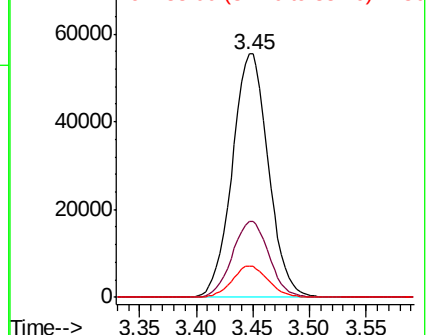
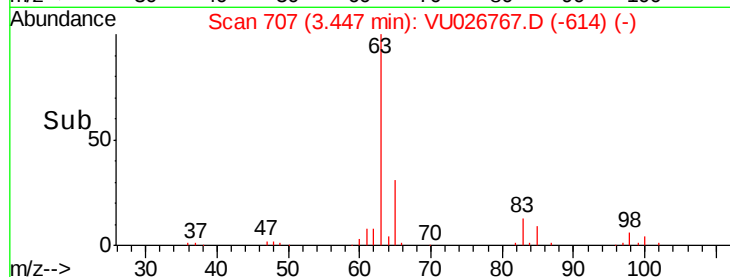
63 100

65 31.0 21.9 40.7

83 13.0 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU026767.D (-614) (-)



#20

cis-1,2-Dichloroethene

Concen: 56.358 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

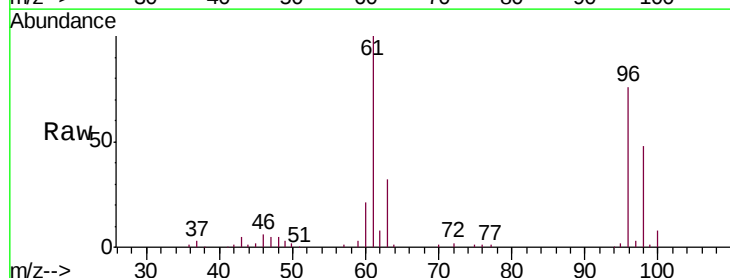
Tgt Ion: 96 Resp: 69352

Ion Ratio Lower Upper

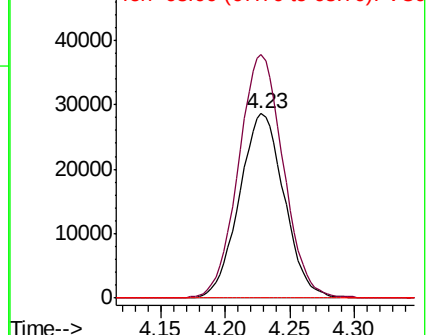
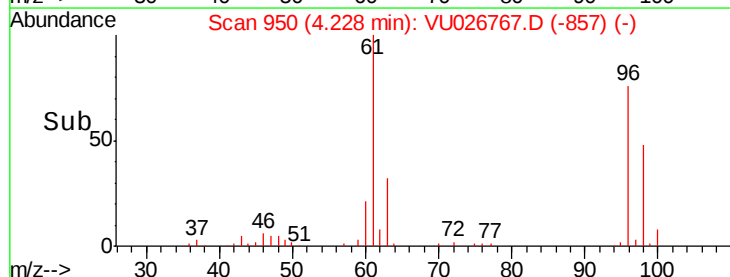
96 100

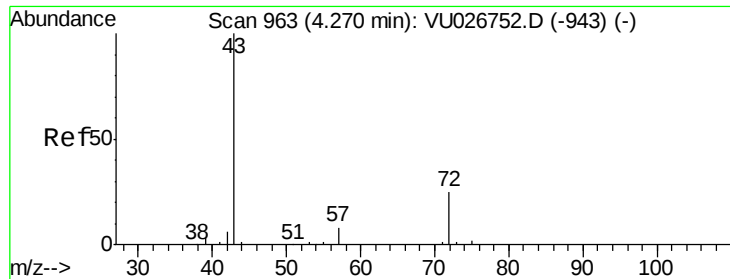
61 132.1 92.9 172.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU026767.D (-857) (-)





#22

2-Butanone

Concen: 104.066 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026767.D

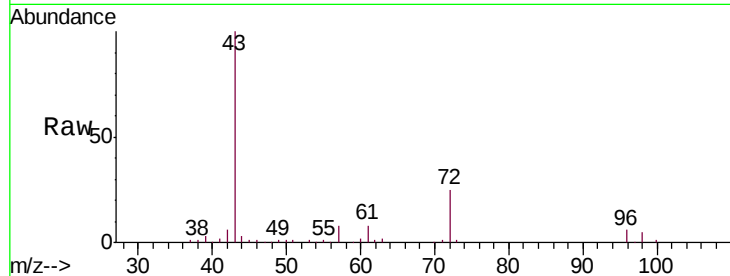
Acq: 14 Sep 2018 15:36

Tgt Ion: 43 Resp: 110047

Ion Ratio Lower Upper

43 100

72 25.0 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU026752.D (-943) (-)

Ion 72.00 (71.70 to 72.70): VU026752.D (-943) (-)

4.26

40000

30000

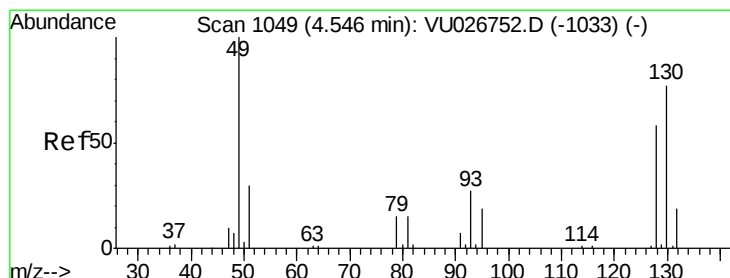
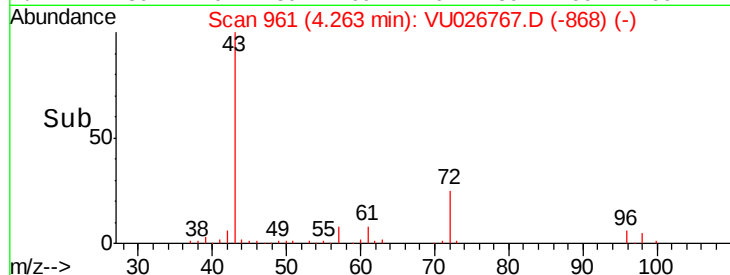
20000

10000

0

Time-->

4.20 4.30 4.40



#23

Bromochloromethane

Concen: 56.591 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 128 Resp: 35618

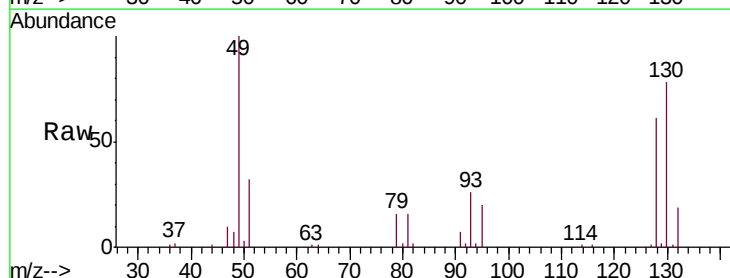
Ion Ratio Lower Upper

128 100

49 164.0 111.7 207.5

130 128.6 89.0 165.2

51 52.3 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU026752.D (-1033) (-)

Ion 49.00 (48.70 to 49.70): VU026752.D (-1033) (-)

Ion 130.00 (129.70 to 130.70): VU026752.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VU026752.D (-1033) (-)

4.55

40000

30000

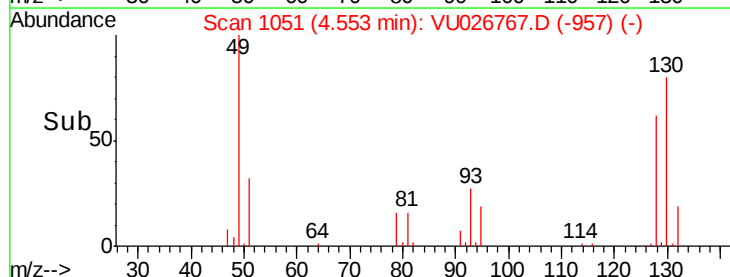
20000

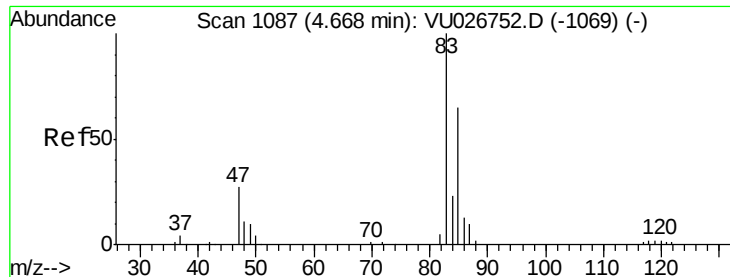
10000

0

Time-->

4.45 4.50 4.55 4.60 4.65





#25

Chloroform

Concen: 58.811 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026767.D

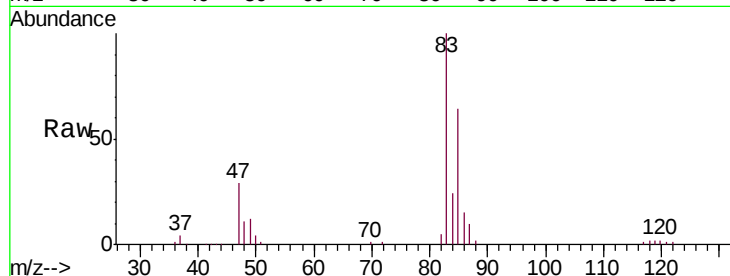
Acq: 14 Sep 2018 15:36

Tgt Ion: 83 Resp: 125246

Ion Ratio Lower Upper

83 100

85 63.7 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

60000

50000

40000

30000

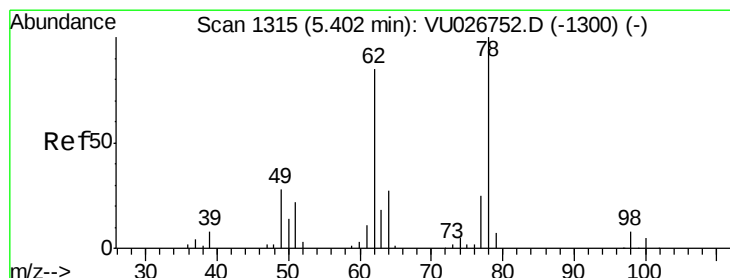
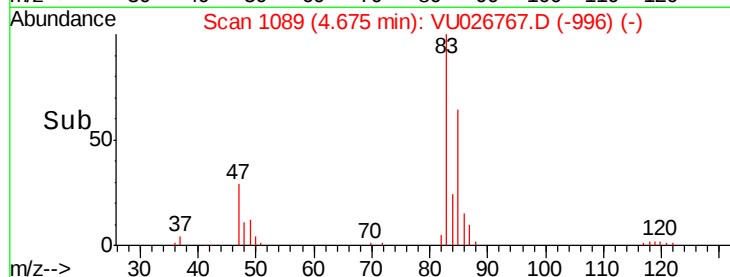
20000

10000

0

4.60 4.65 4.70 4.75

Time-->



#27

1,2-Dichloroethane

Concen: 57.143 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU026767.D

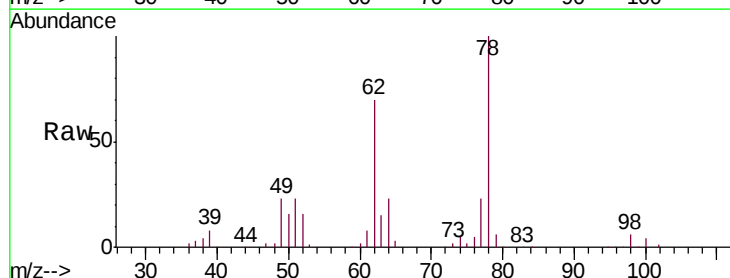
Acq: 14 Sep 2018 15:36

Tgt Ion: 62 Resp: 96632

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.41

50000

40000

30000

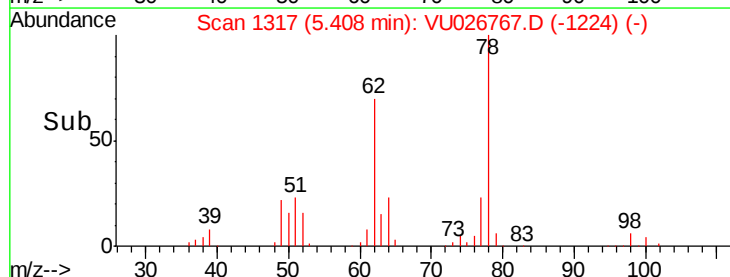
20000

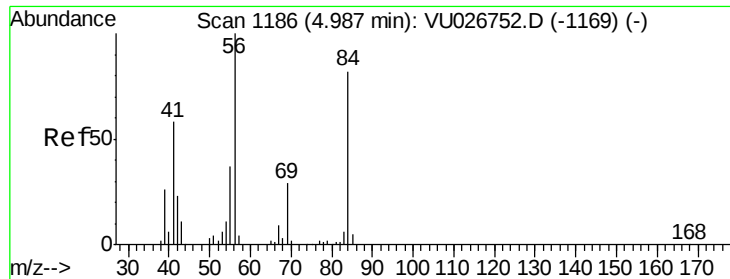
10000

0

5.35 5.40 5.45 5.50

Time-->





#29

Cyclohexane

Concen: 56.147 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

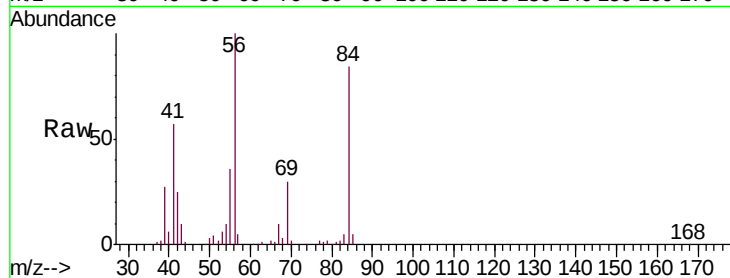
Tgt Ion: 56 Resp: 103494

Ion Ratio Lower Upper

56 100

69 29.5 23.0 34.6

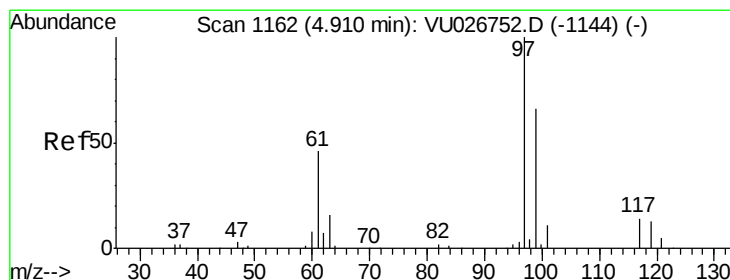
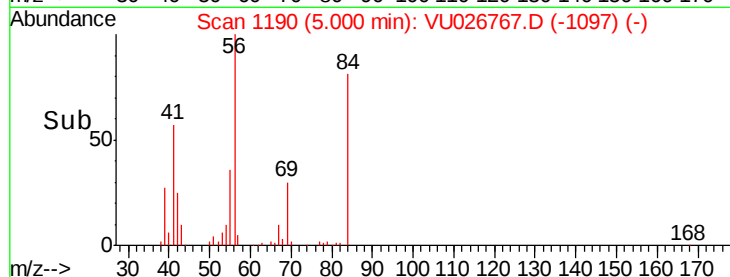
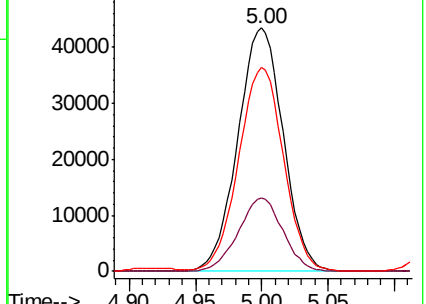
84 83.2 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 57.260 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

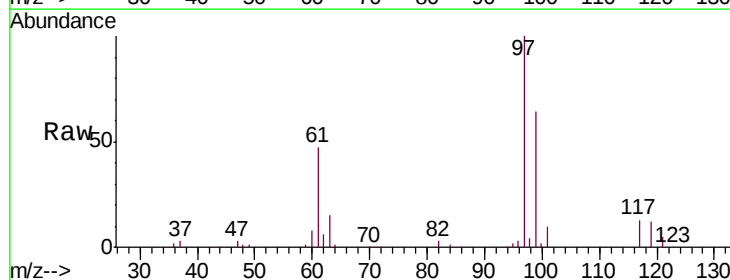
Tgt Ion: 97 Resp: 102076

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

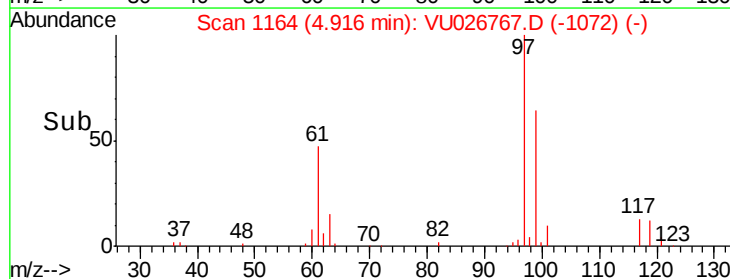
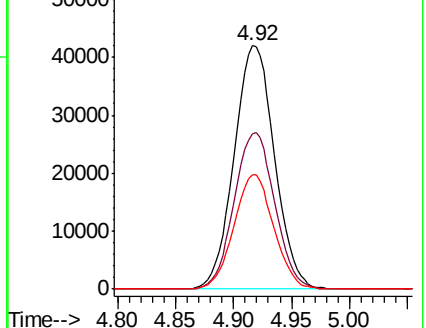
61 46.2 36.2 54.2

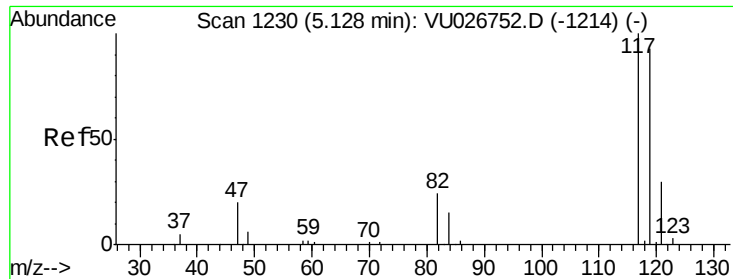


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

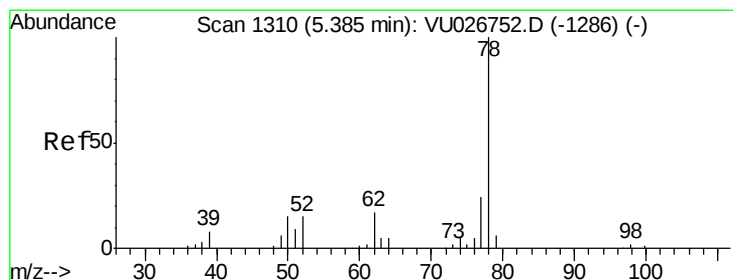
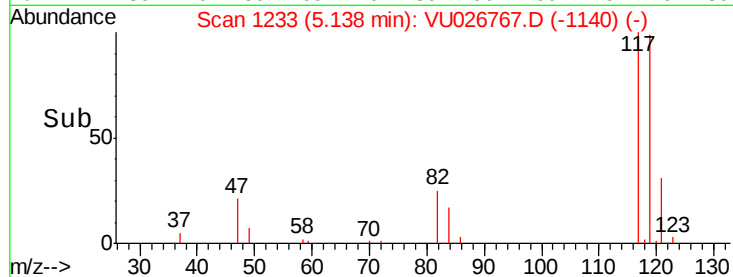
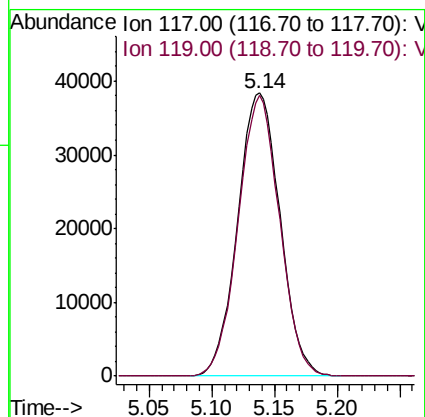
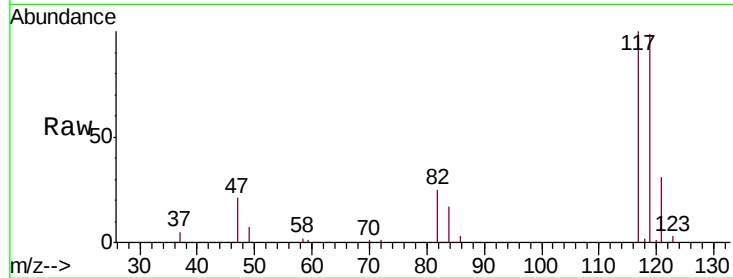
Ion 61.05 (60.75 to 61.75): VU0





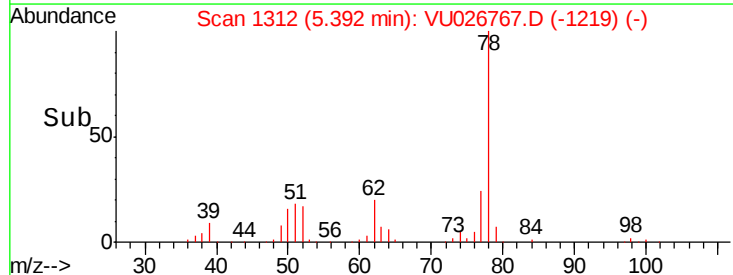
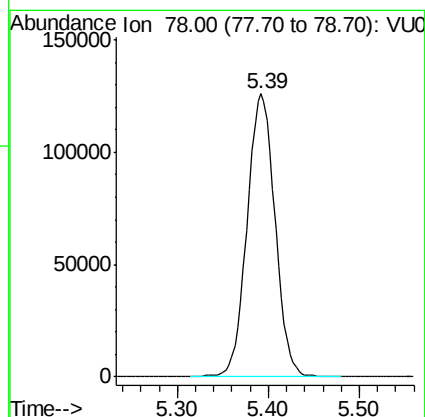
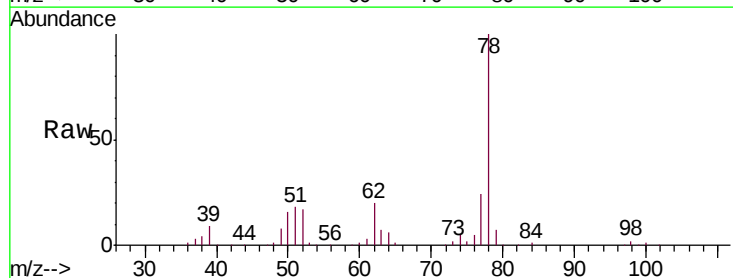
#31
Carbon tetrachloride
Concen: 55.873 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

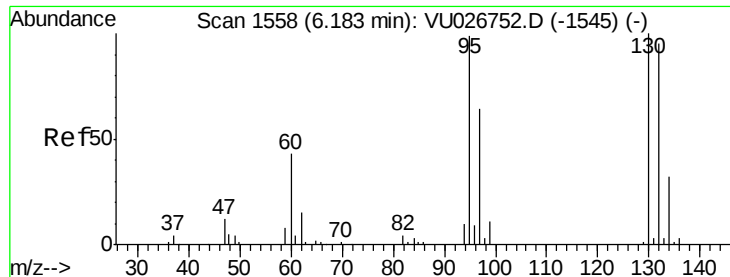
Tgt Ion: 117 Resp: 90031
Ion Ratio Lower Upper
117 100
119 96.6 77.6 116.4



#33
Benzene
Concen: 57.110 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion: 78 Resp: 269122





#34

Trichloroethene

Concen: 54.746 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 95 Resp: 64122

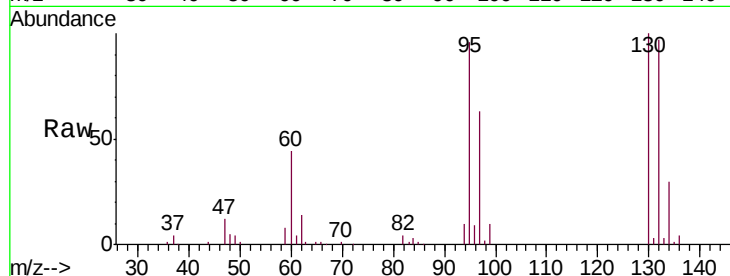
Ion Ratio Lower Upper

95 100

97 65.2 44.9 83.5

132 101.1 69.7 129.5

130 104.3 72.4 134.4

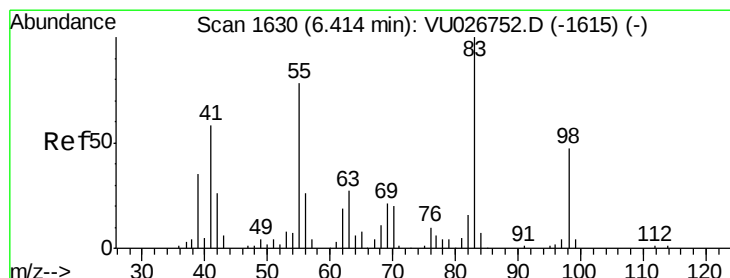
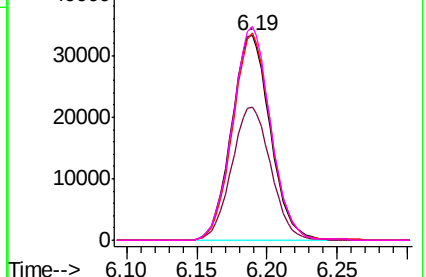
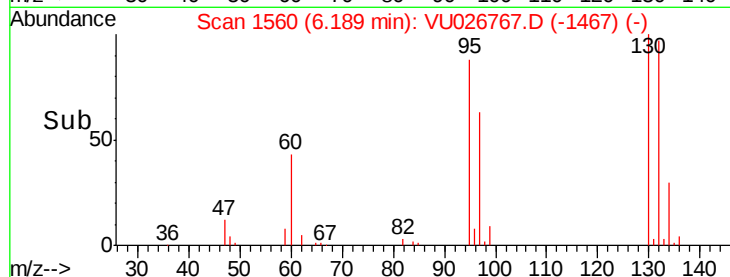


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 55.247 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

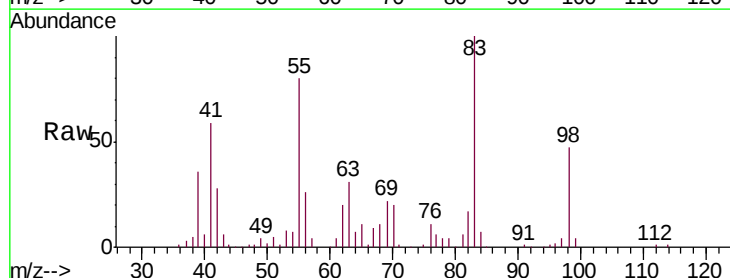
Tgt Ion: 83 Resp: 103580

Ion Ratio Lower Upper

83 100

55 79.4 62.9 94.3

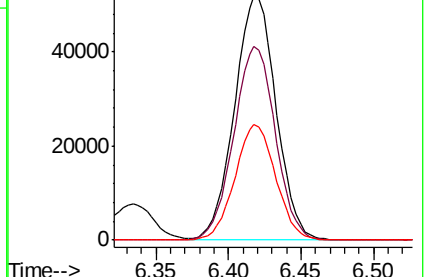
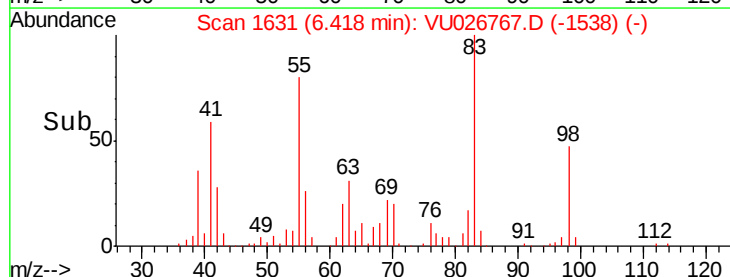
98 46.3 37.0 55.4

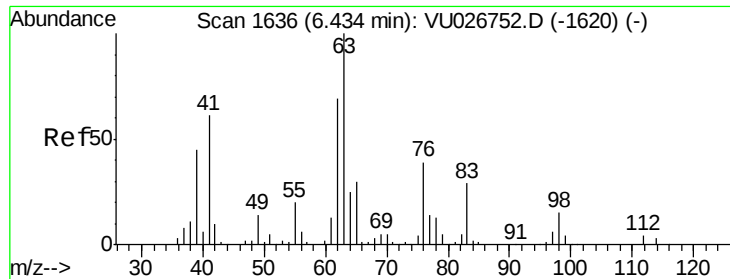


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 58.459 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026767.D

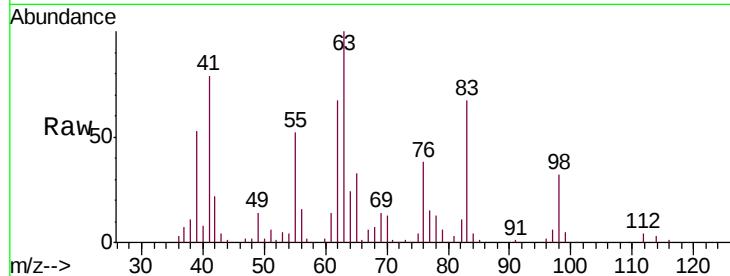
Acq: 14 Sep 2018 15:36

Tgt Ion: 63 Resp: 76959

Ion Ratio Lower Upper

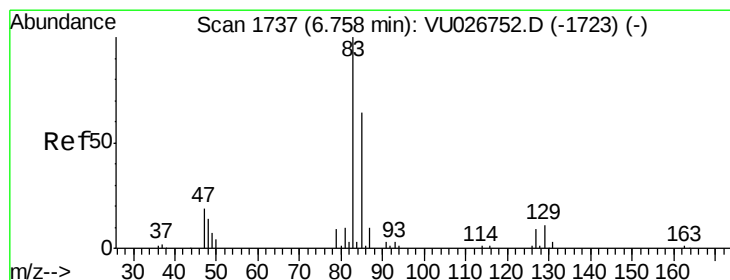
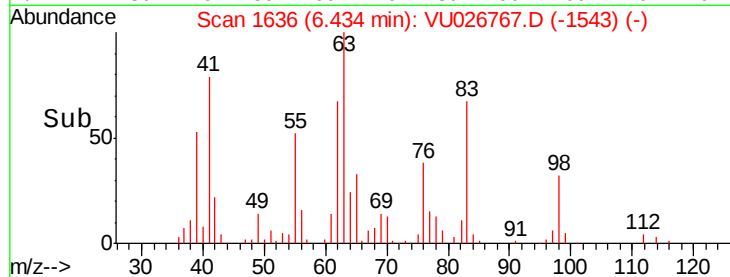
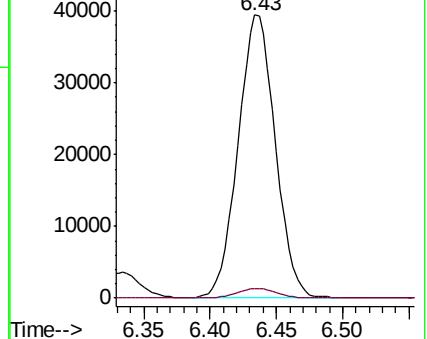
63 100

112 3.5 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 57.608 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

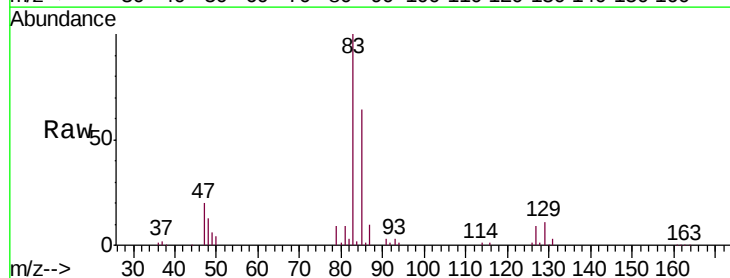
Tgt Ion: 83 Resp: 92940

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.9

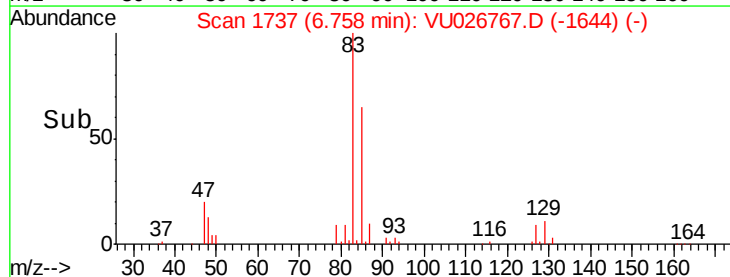
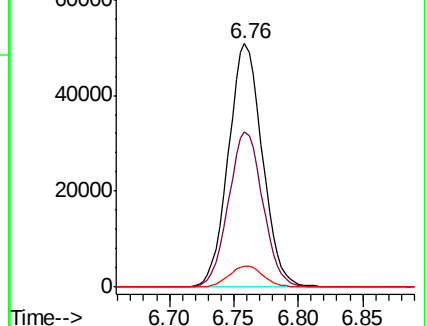
127 8.5 7.2 10.8

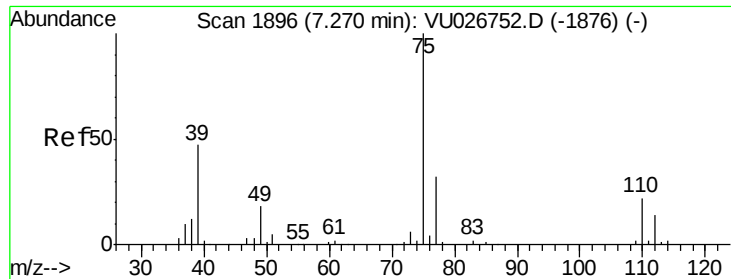


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

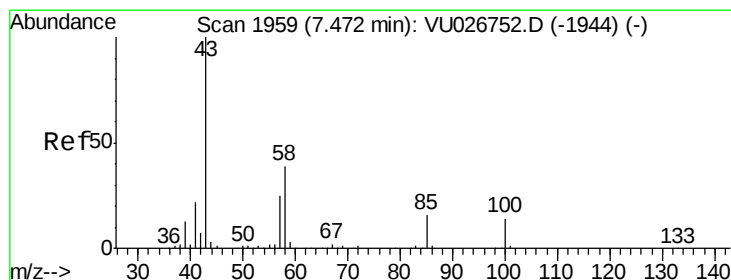
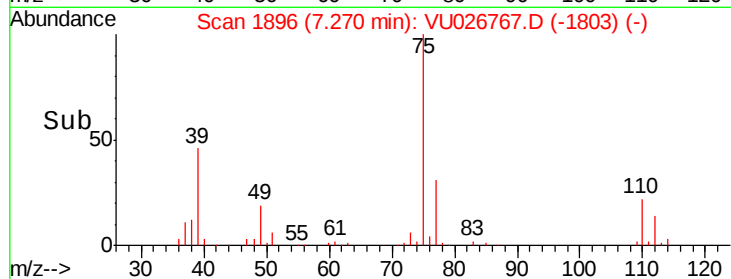
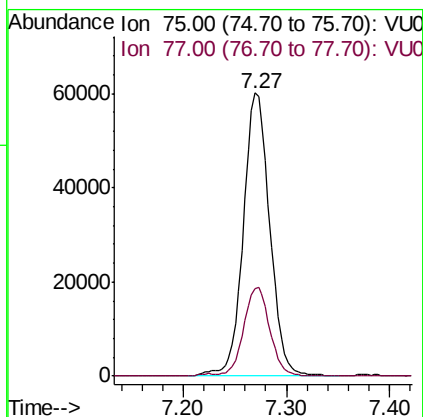
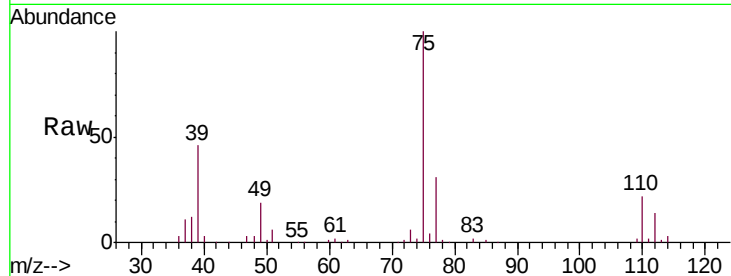
Ion 127.00 (126.70 to 127.70): V





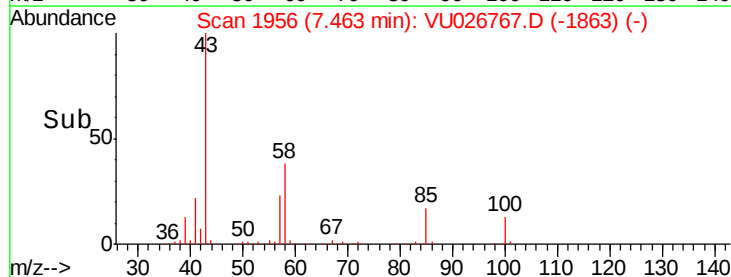
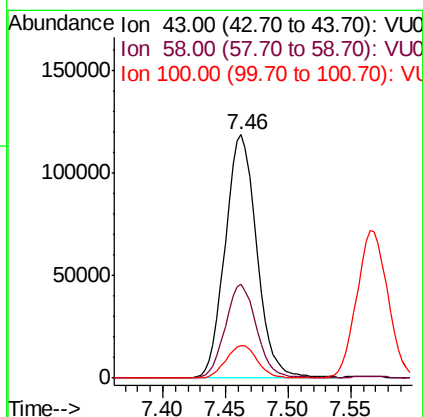
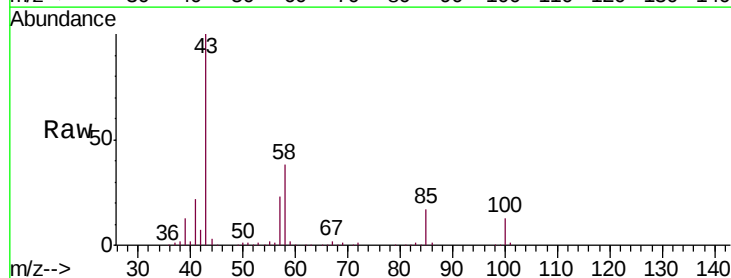
#39
 cis-1,3-Dichloropropene
 Concen: 55.154 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

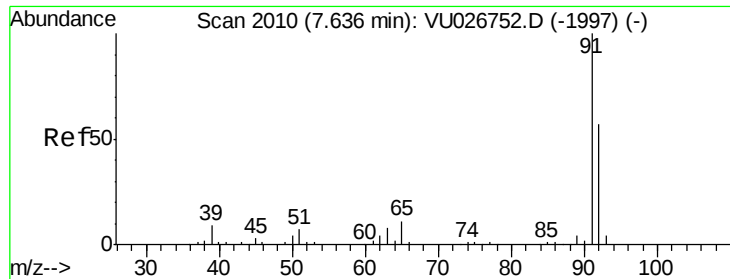
Tgt Ion: 75 Resp: 107442
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 124.100 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

Tgt Ion: 43 Resp: 208397
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.1 46.7
 100 13.3 11.3 16.9





#42

Toluene

Concen: 57.155 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026767.D

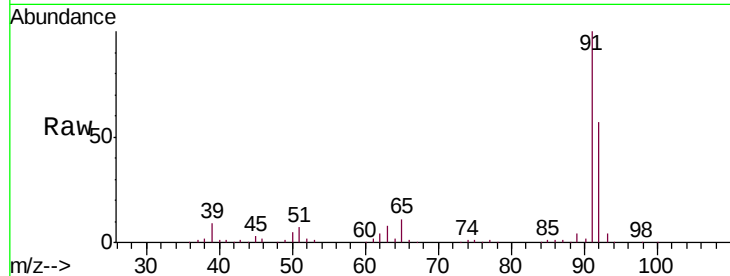
Acq: 14 Sep 2018 15:36

Tgt Ion: 91 Resp: 279159

Ion Ratio Lower Upper

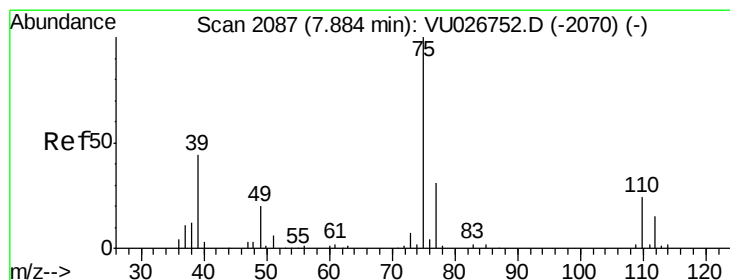
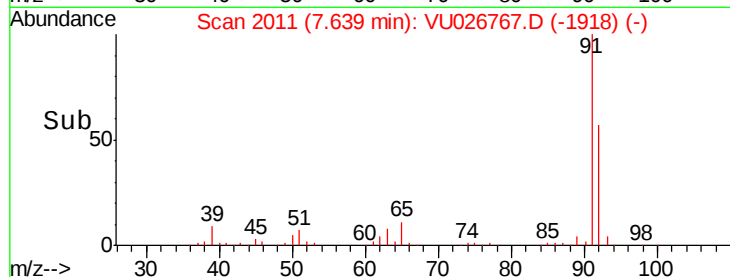
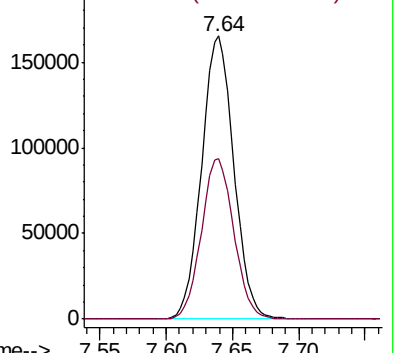
91 100

92 56.5 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 55.443 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026767.D

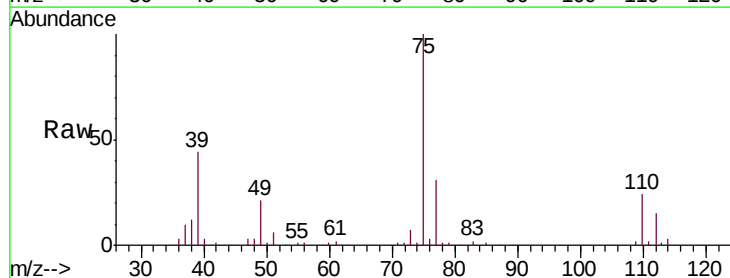
Acq: 14 Sep 2018 15:36

Tgt Ion: 75 Resp: 100478

Ion Ratio Lower Upper

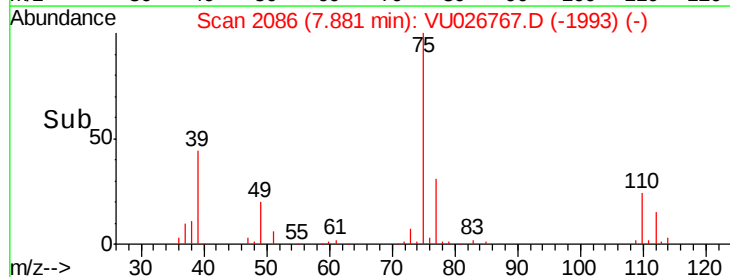
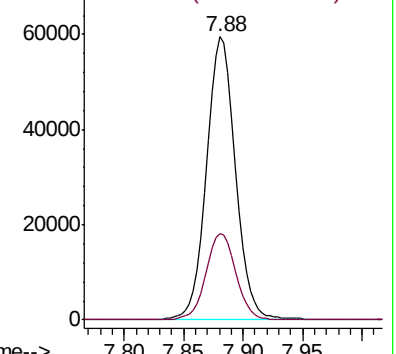
75 100

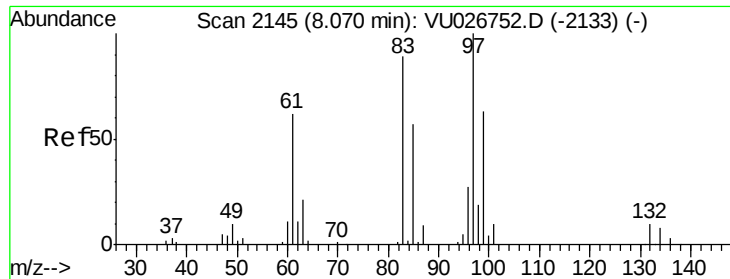
77 30.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 58.274 ug/L

RT: 8.07 min Scan# 2145

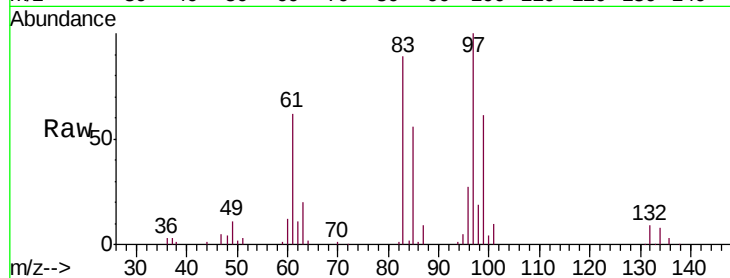
Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 97 Resp: 68048

Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.2	82.2
83	88.7	63.8	118.6
85	56.3	39.4	73.2



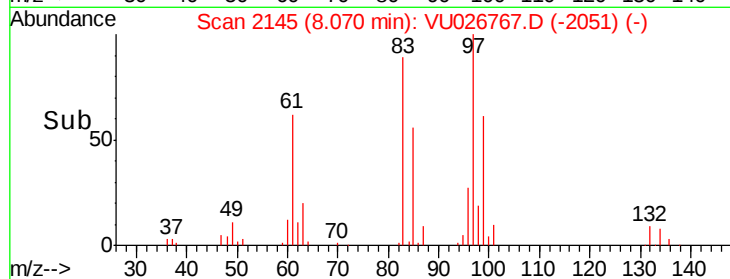
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



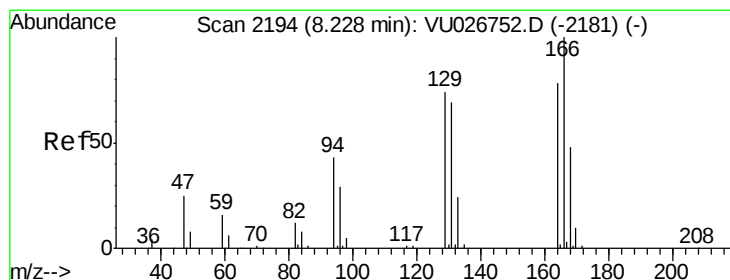
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 54.037 ug/L

RT: 8.23 min Scan# 2195

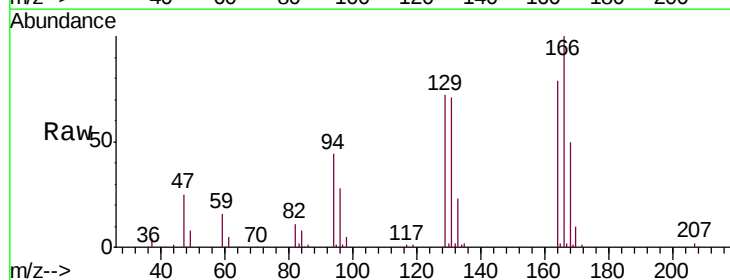
Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 164 Resp: 53193

Ion	Ratio	Lower	Upper
164	100		
129	90.7	65.0	120.8
131	89.6	62.5	116.1
166	126.3	89.0	165.2



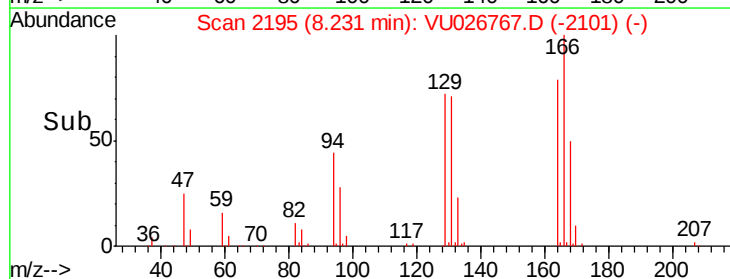
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



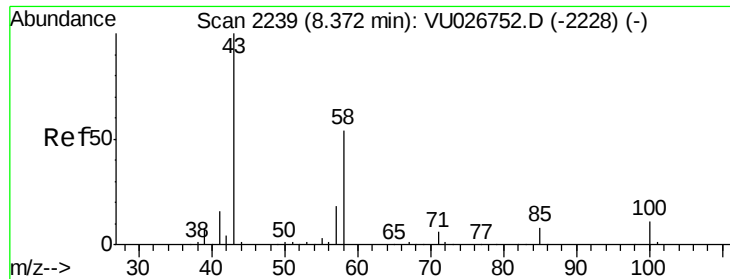
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 115.153 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion: 43 Resp: 163261

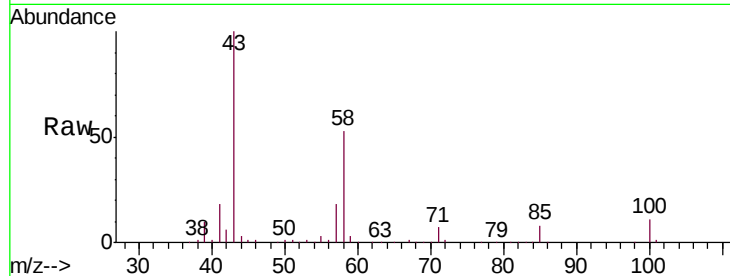
Ion Ratio Lower Upper

43 100

58 52.7 42.2 63.4

57 18.1 14.4 21.6

100 10.6 8.7 13.1

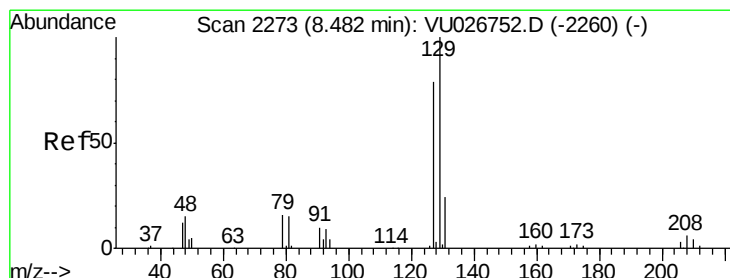
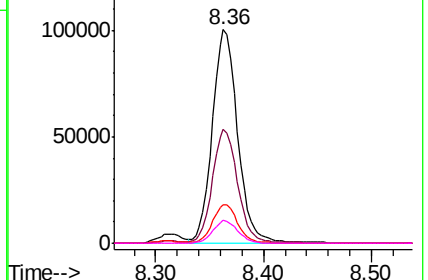
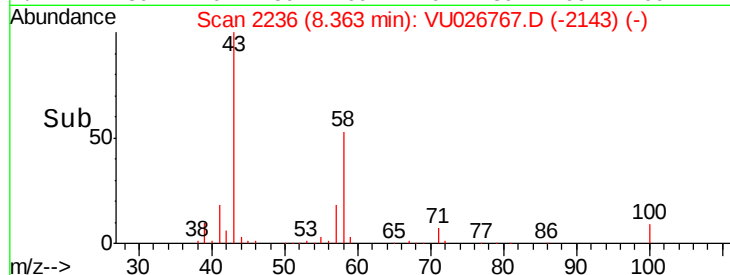


Abundance Ion 43.00 (42.70 to 43.70): VU026767.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU026767.D (-2143) (-)

Ion 57.00 (56.70 to 57.70): VU026767.D (-2143) (-)

Ion 100.00 (99.70 to 100.70): VU026767.D (-2143) (-)



#49

Dibromochloromethane

Concen: 55.977 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU026767.D

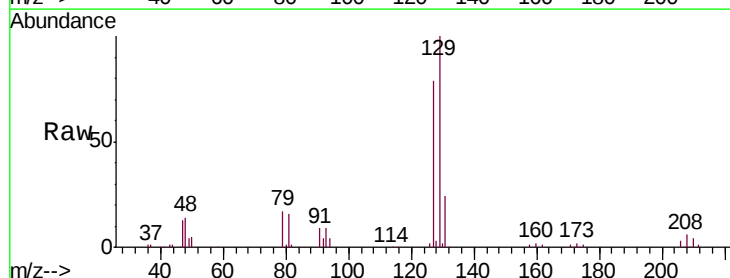
Acq: 14 Sep 2018 15:36

Tgt Ion: 129 Resp: 75554

Ion Ratio Lower Upper

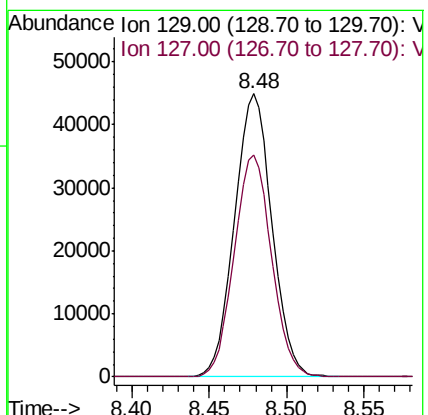
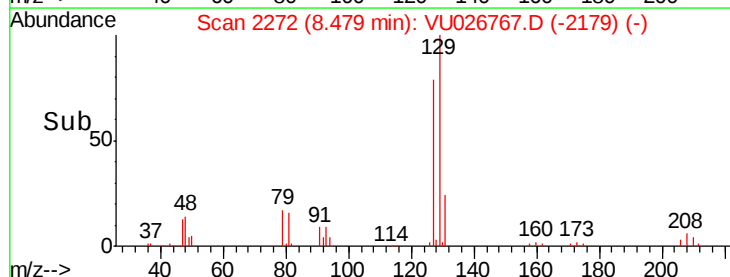
129 100

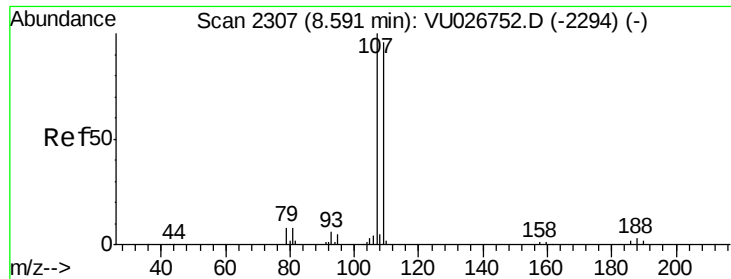
127 78.5 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): VU026767.D (-2179) (-)

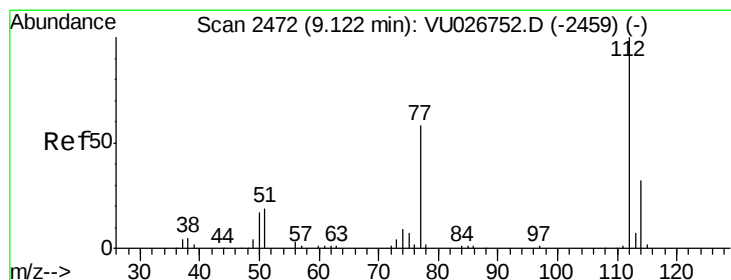
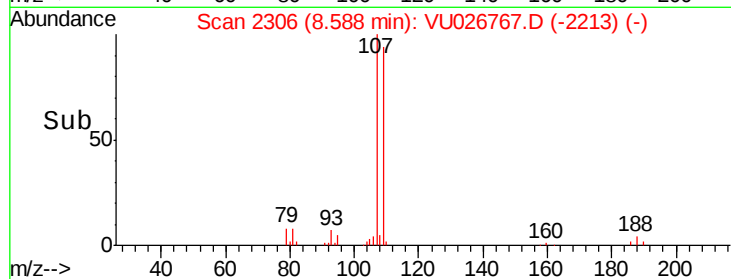
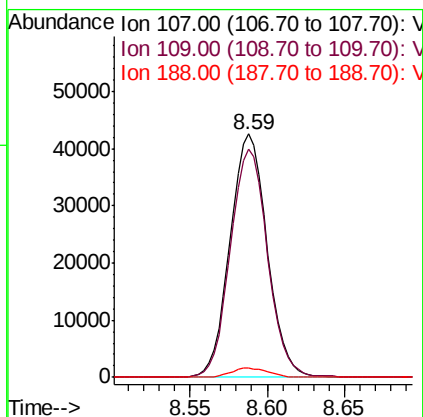
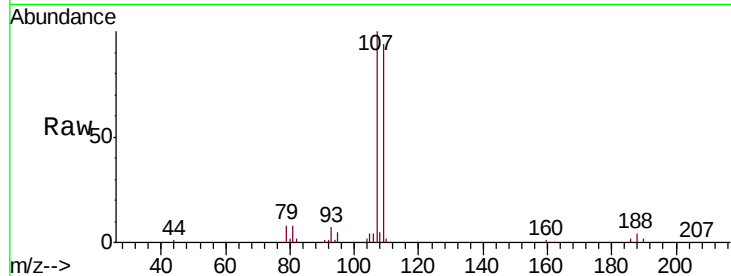
Ion 127.00 (126.70 to 127.70): VU026767.D (-2179) (-)





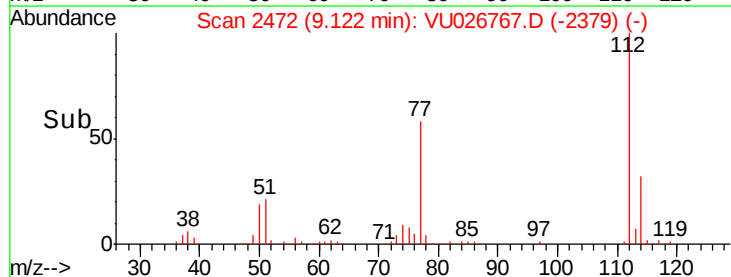
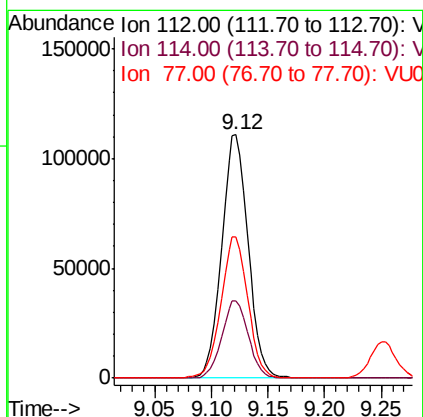
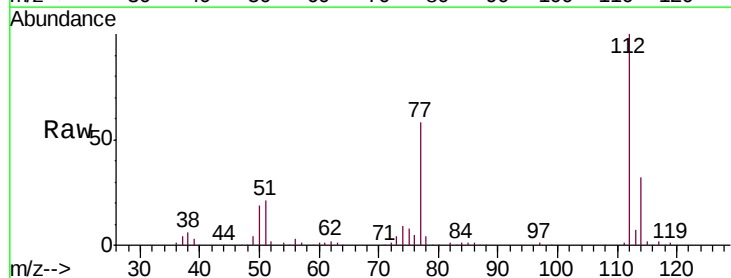
#50
1,2-Dibromoethane
Concen: 56.734 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

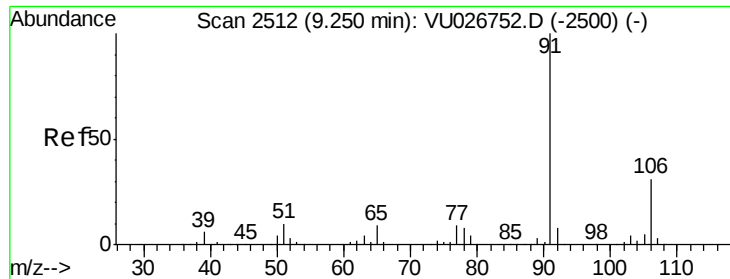
Tgt Ion:107 Resp: 70871
Ion Ratio Lower Upper
107 100
109 93.7 66.4 123.4
188 3.8 3.0 4.4



#51
Chlorobenzene
Concen: 56.219 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion:112 Resp: 180293
Ion Ratio Lower Upper
112 100
114 31.9 22.9 42.5
77 58.0 47.2 70.8





#52

Ethylbenzene

Concen: 56.904 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026767.D

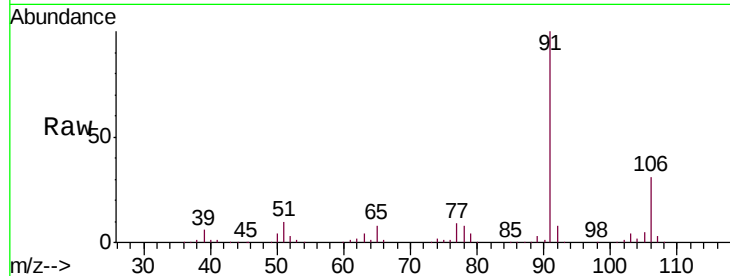
Acq: 14 Sep 2018 15:36

Tgt Ion: 91 Resp: 300581

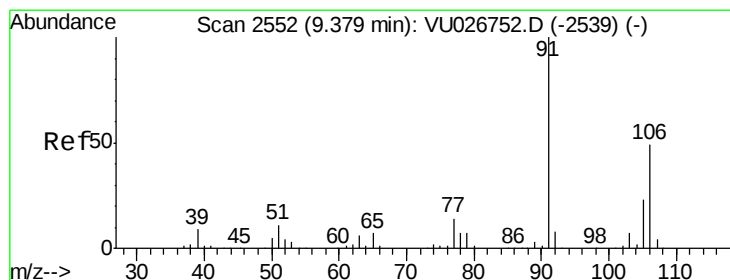
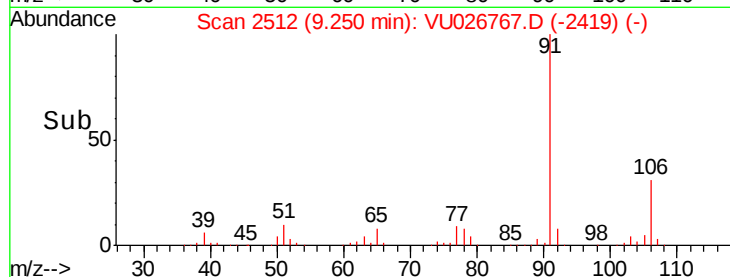
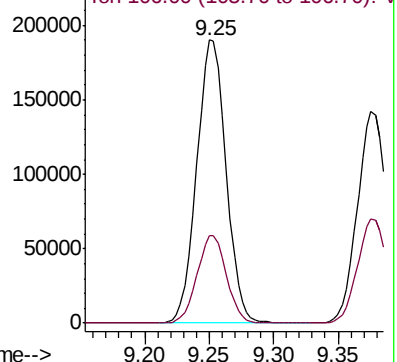
Ion Ratio Lower Upper

91 100

106 30.9 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026767.D (-2419) (-)



#53

m,p-Xylene

Concen: 57.094 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026767.D

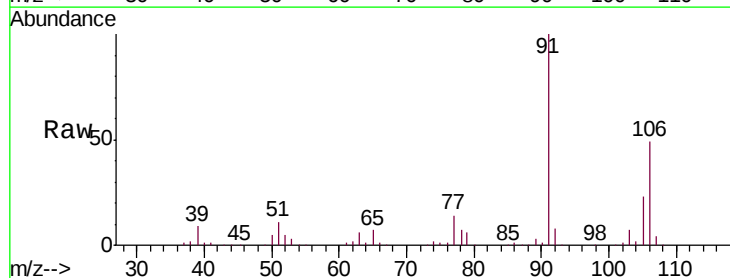
Acq: 14 Sep 2018 15:36

Tgt Ion: 106 Resp: 113714

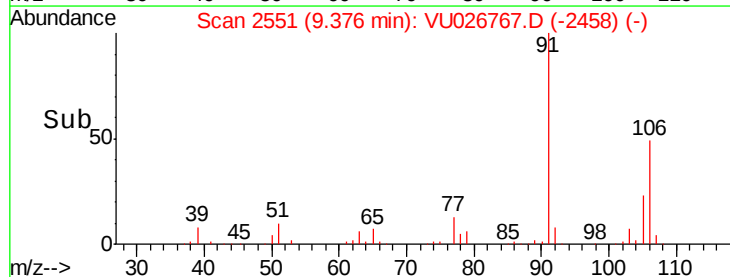
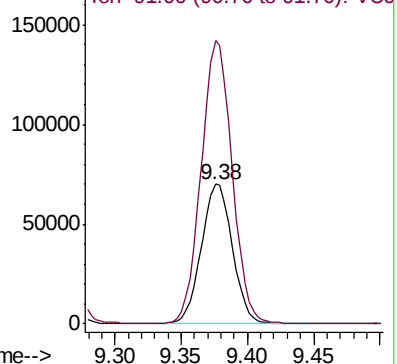
Ion Ratio Lower Upper

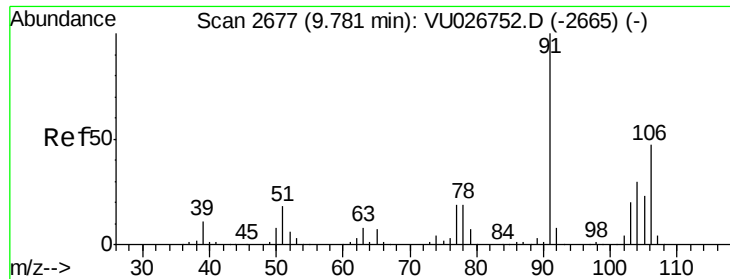
106 100

91 202.6 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026767.D (-2458) (-)





#54

o-xylene

Concen: 57.809 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026767.D

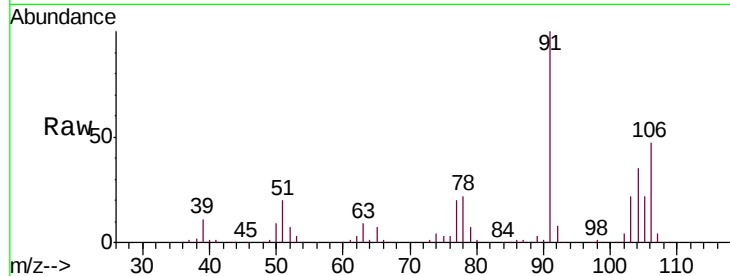
Acq: 14 Sep 2018 15:36

Tgt Ion:106 Resp: 114272

Ion Ratio Lower Upper

106 100

91 215.0 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

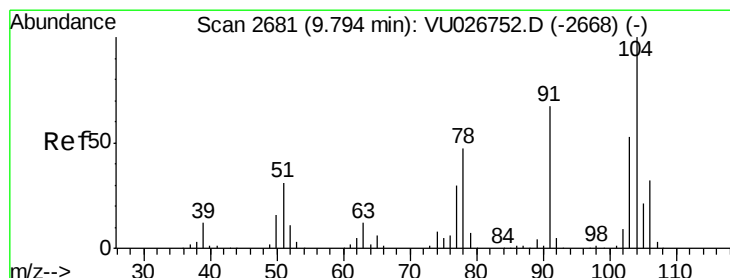
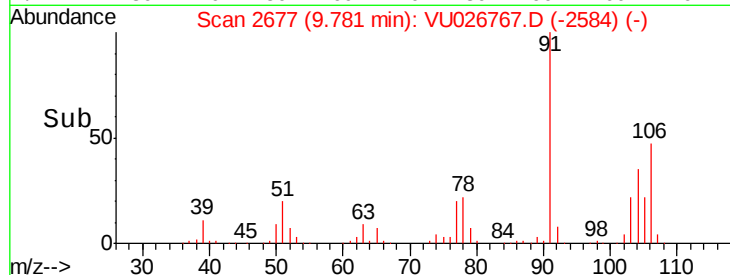
100000

50000

0

9.78

Time-->



#55

Styrene

Concen: 58.213 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026767.D

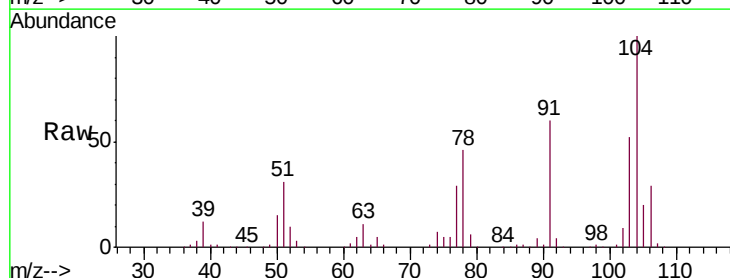
Acq: 14 Sep 2018 15:36

Tgt Ion:104 Resp: 194649

Ion Ratio Lower Upper

104 100

78 46.1 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

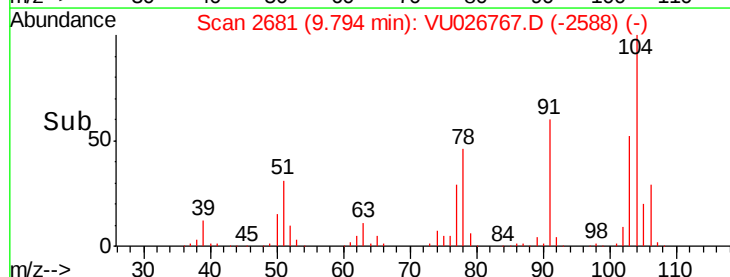
100000

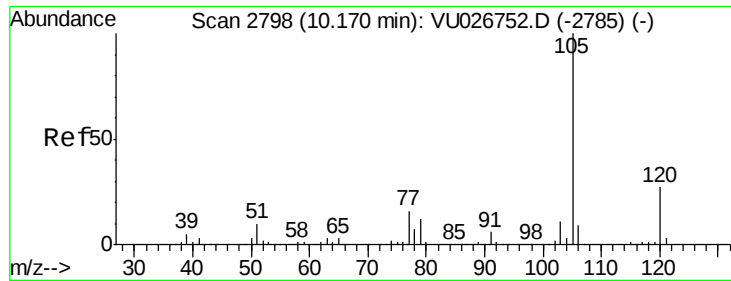
50000

0

9.79

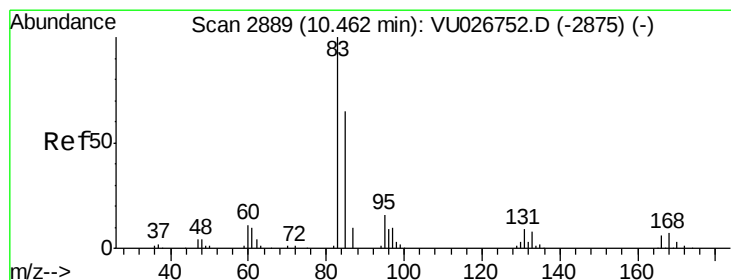
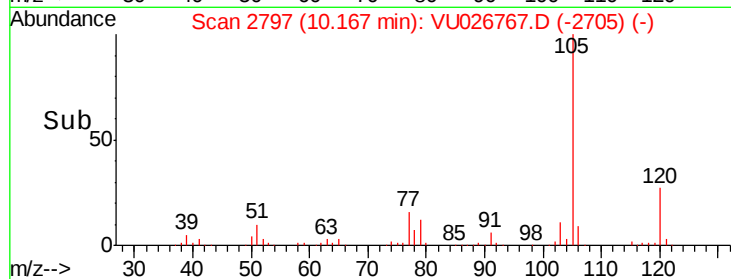
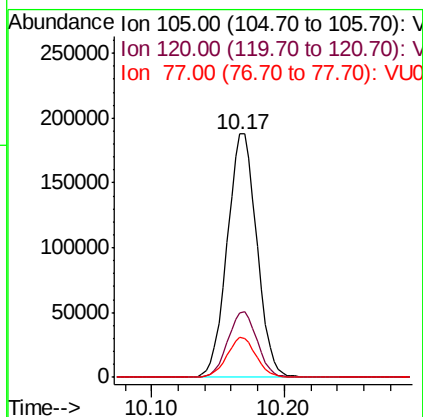
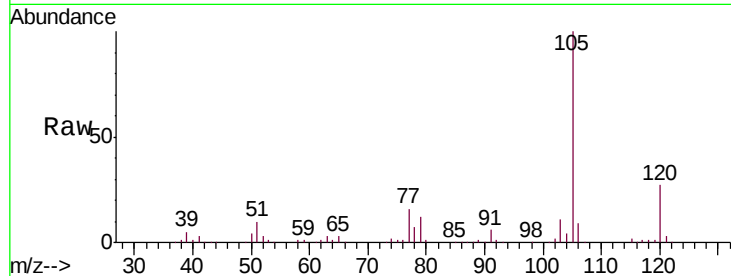
Time-->





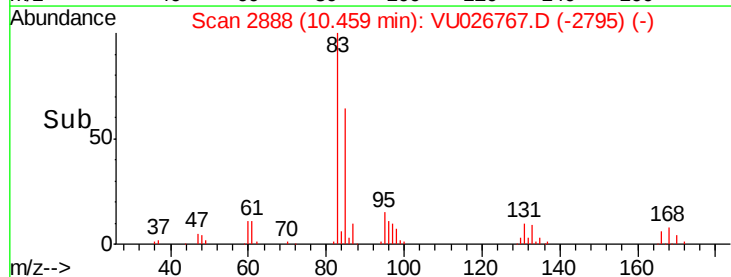
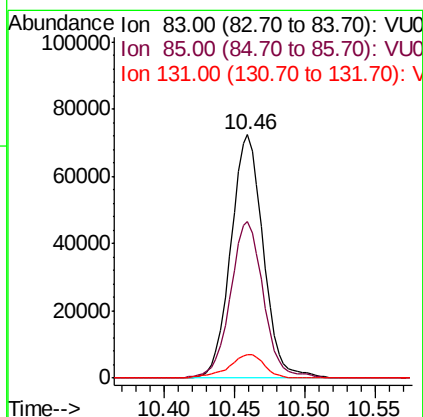
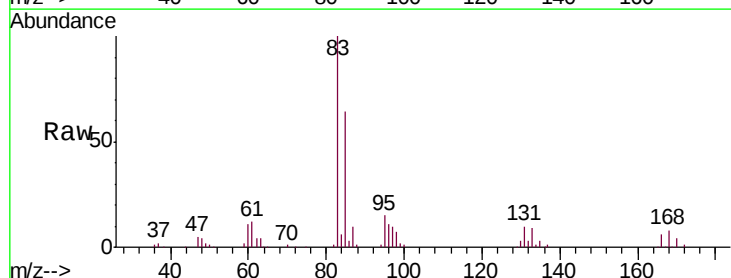
#56
Isopropylbenzene
Concen: 57.885 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

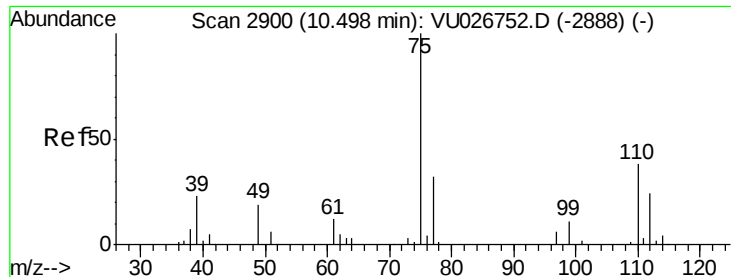
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.5	32.3
77	16.2	12.6	18.8



#58
1,1,2,2-Tetrachloroethane
Concen: 57.720 ug/L
RT: 10.46 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

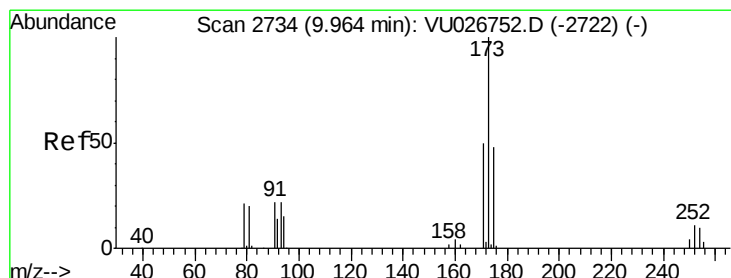
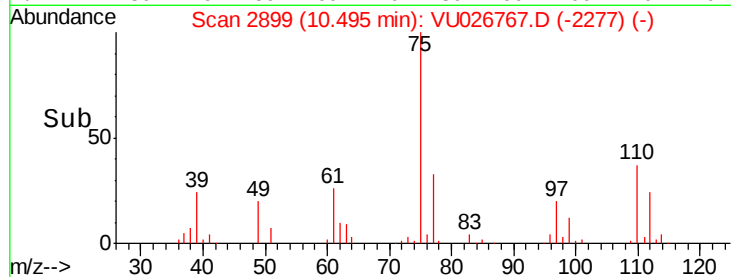
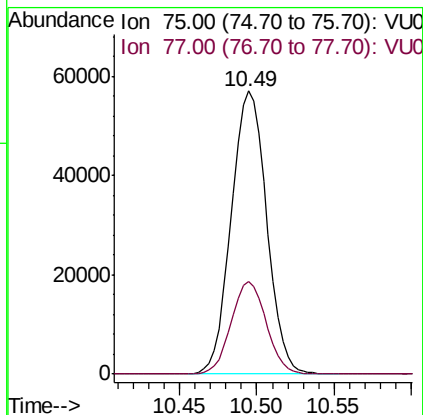
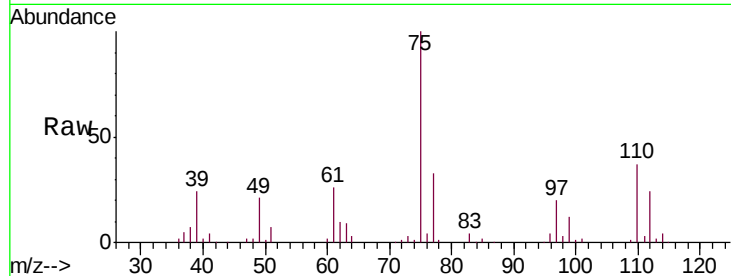
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	45.4	84.2
131	9.8	8.0	12.0





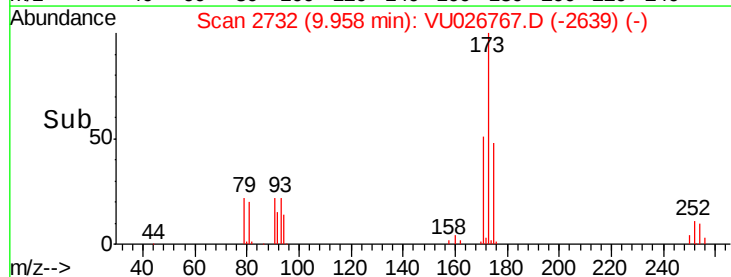
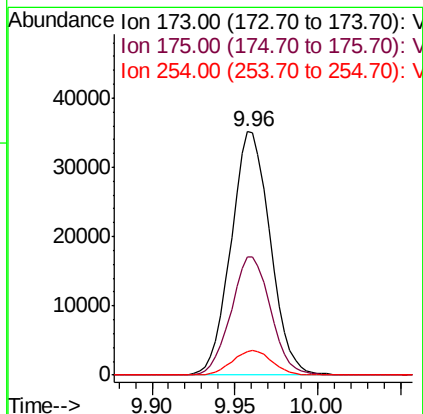
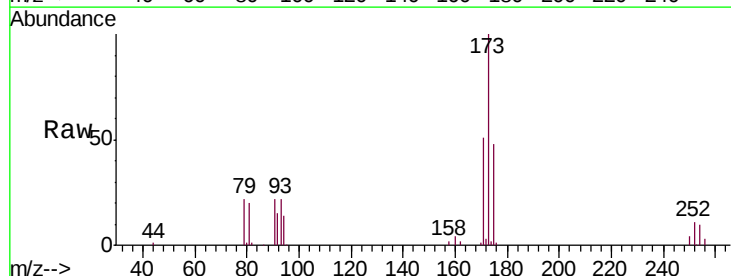
#59
1,2,3-Trichloropropane
Concen: 58.259 ug/L
RT: 10.49 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

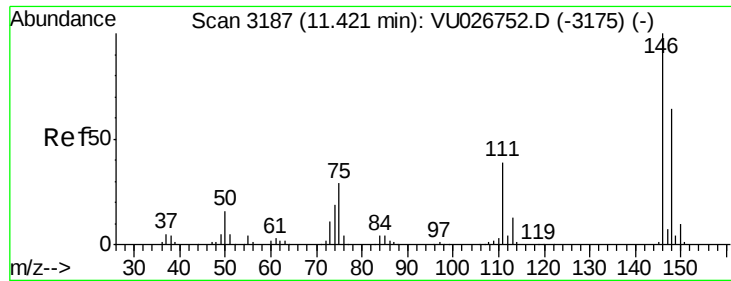
Tgt Ion: 75 Resp: 90746
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.6



#61
Bromoform
Concen: 56.734 ug/L
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU026767.D
Acq: 14 Sep 2018 15:36

Tgt Ion: 173 Resp: 57744
Ion Ratio Lower Upper
173 100
175 49.2 38.2 57.4
254 10.3 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 55.977 ug/L

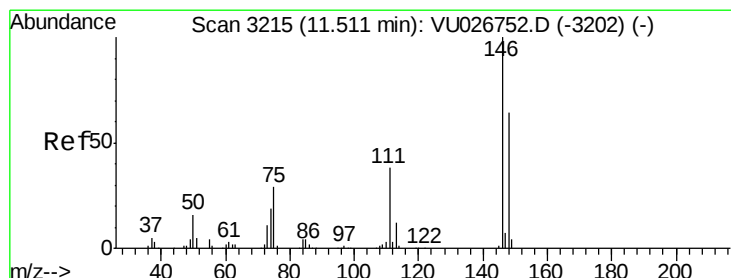
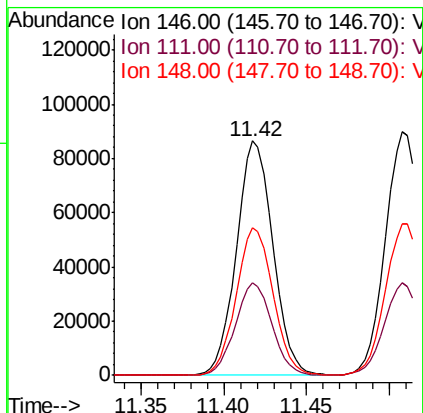
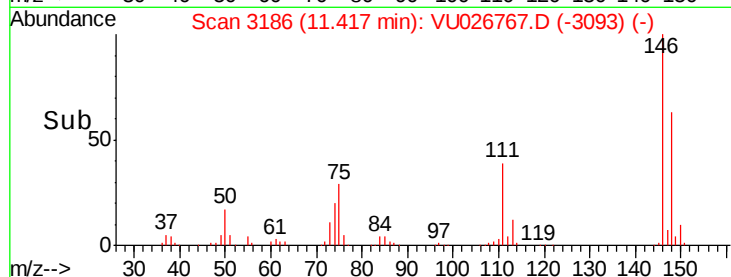
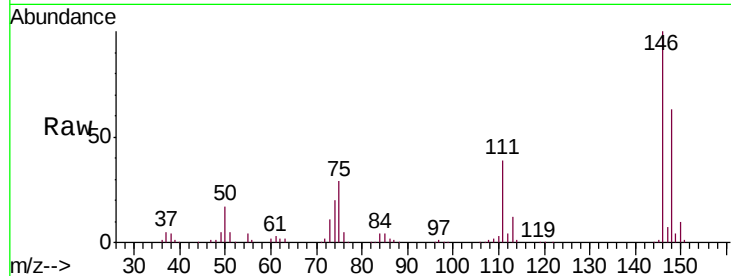
RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion:	146	Resp:	132798
Ion	Ratio	Lower	Upper
146	100		
111	39.5	26.7	49.5
148	63.2	44.2	82.2



#63

1,4-Dichlorobenzene

Concen: 54.791 ug/L

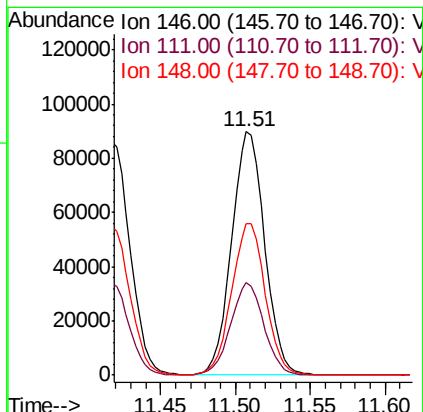
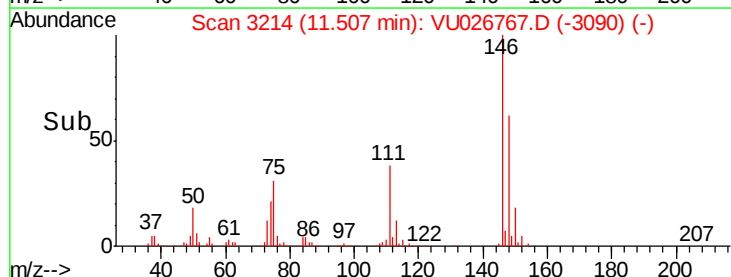
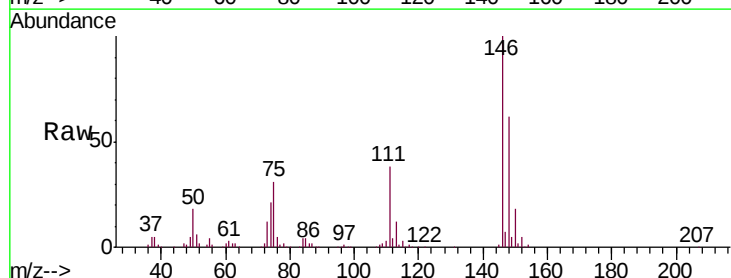
RT: 11.51 min Scan# 3214

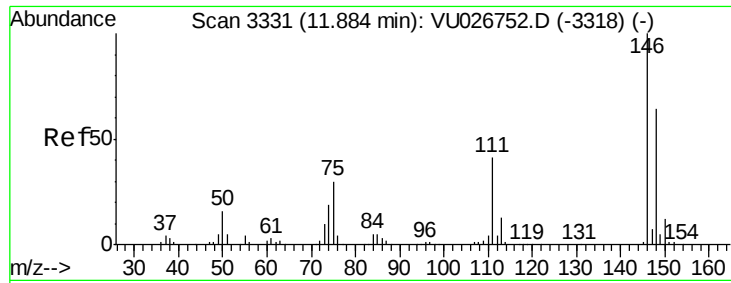
Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

Tgt Ion:	146	Resp:	137701
Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.5	49.3
148	62.4	45.2	84.0





#65

1,2-Dichlorobenzene

Concen: 58.271 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

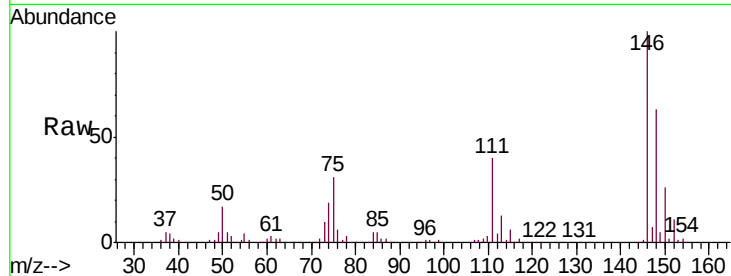
Tgt Ion: 146 Resp: 146104

Ion Ratio Lower Upper

146 100

111 39.7 32.8 49.2

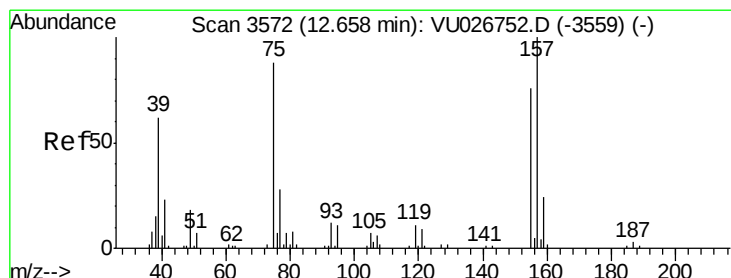
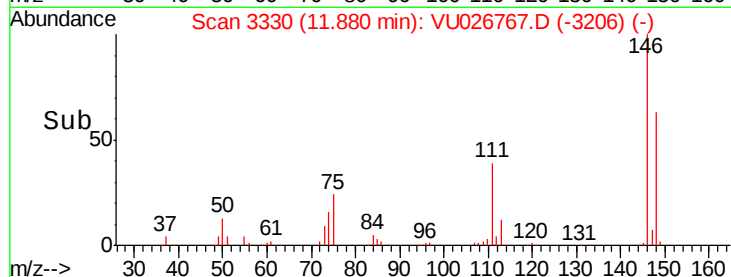
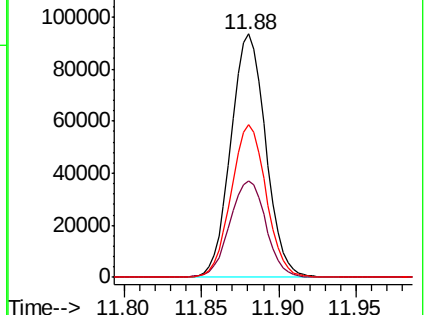
148 62.7 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 60.412 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

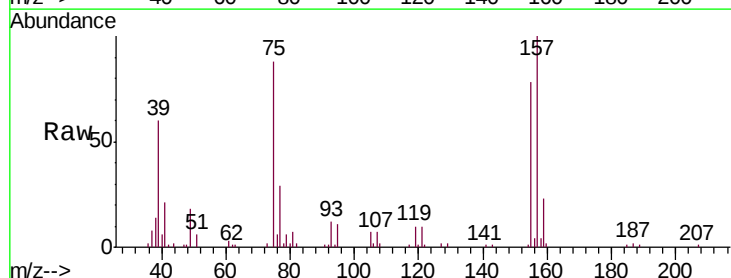
Tgt Ion: 75 Resp: 24471

Ion Ratio Lower Upper

75 100

155 87.9 69.3 103.9

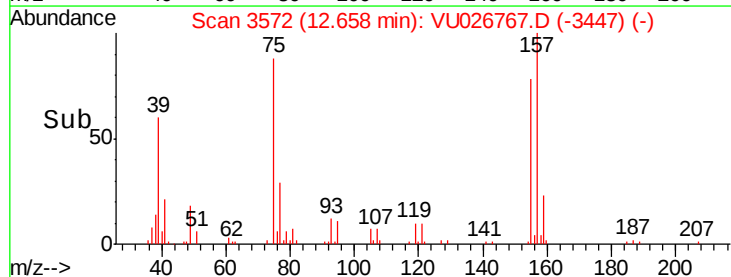
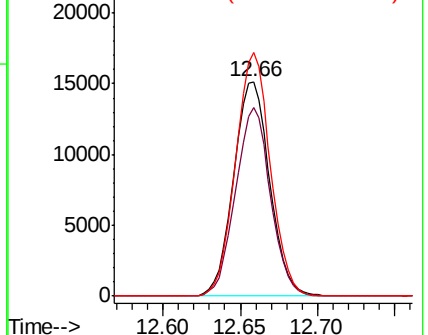
157 113.4 93.4 140.0

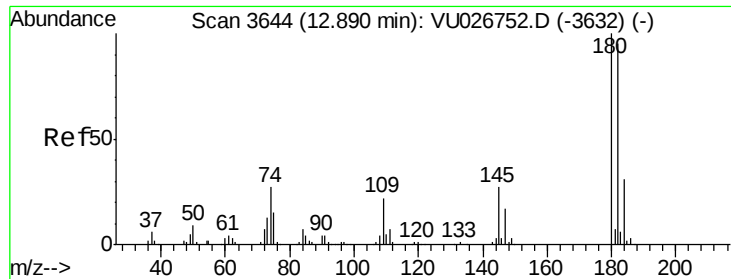


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

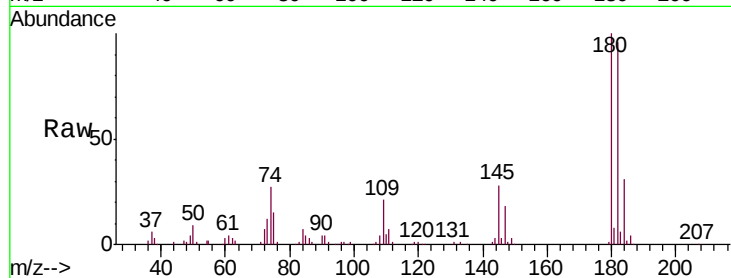
Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 54.930 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

Tgt Ion:	180	Resp:	103367
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
184	30.6	24.2	36.2
145	28.1	21.4	32.2



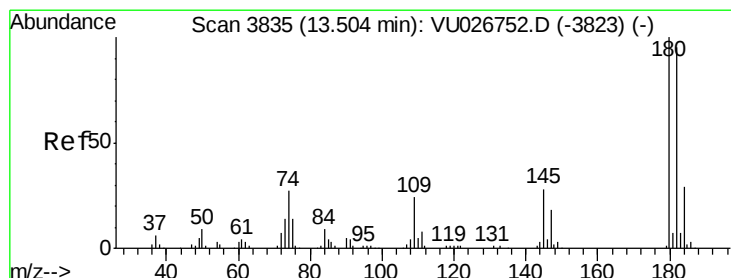
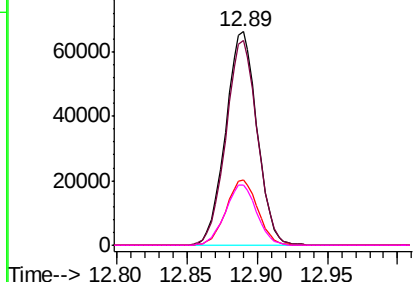
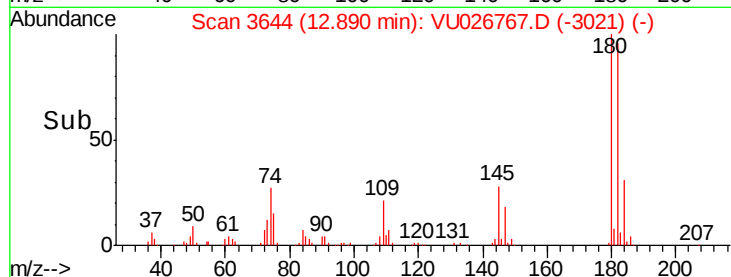
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

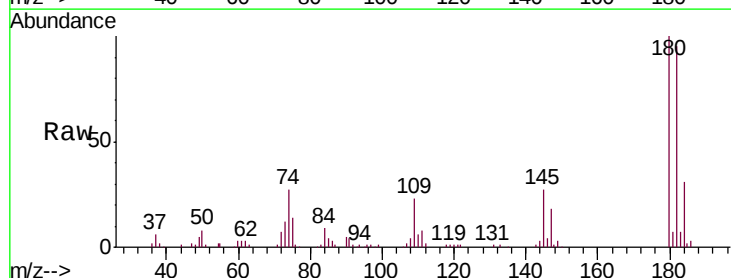
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.323 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026767.D
 Acq: 14 Sep 2018 15:36

Tgt Ion:	180	Resp:	88851
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	27.9	23.4	35.0

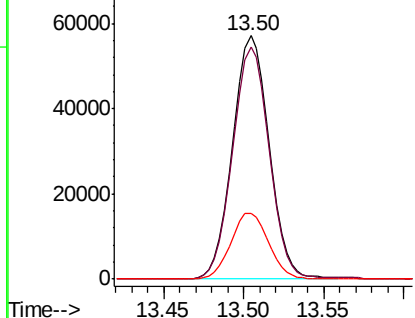
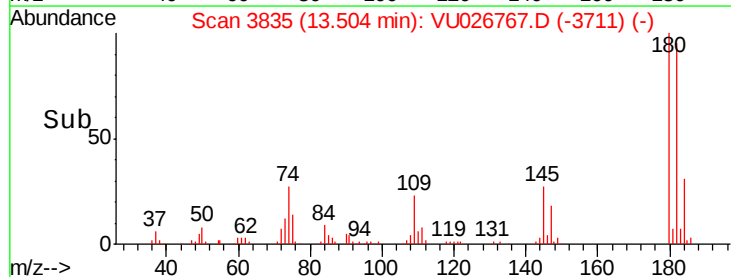


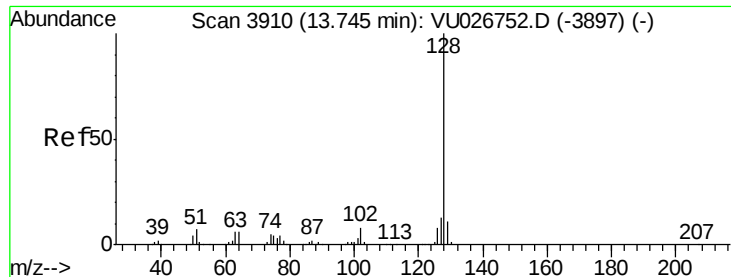
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 59.452 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

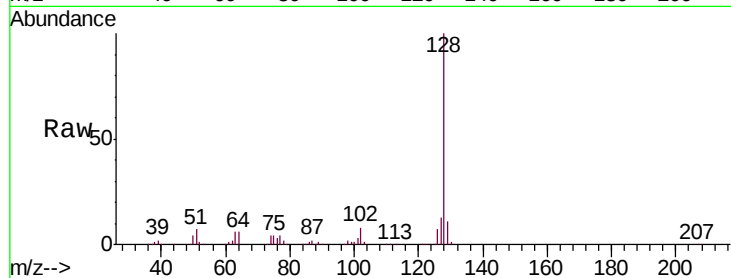
Tgt Ion:128 Resp: 297972

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

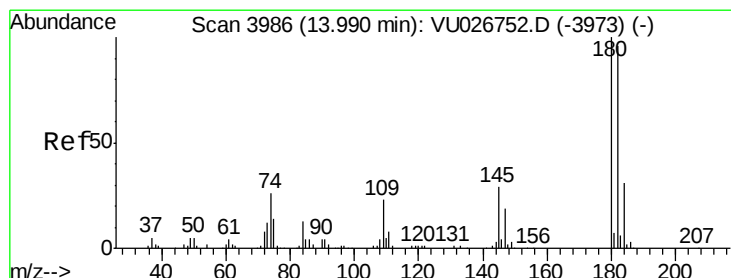
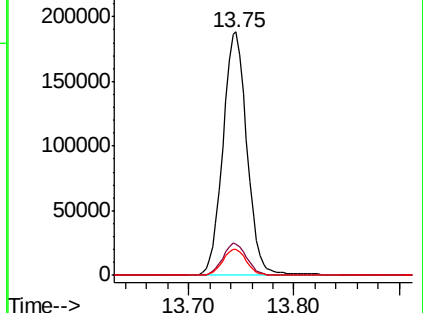
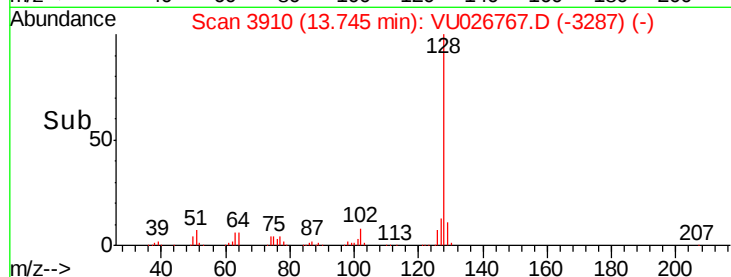
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 56.433 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026767.D

Acq: 14 Sep 2018 15:36

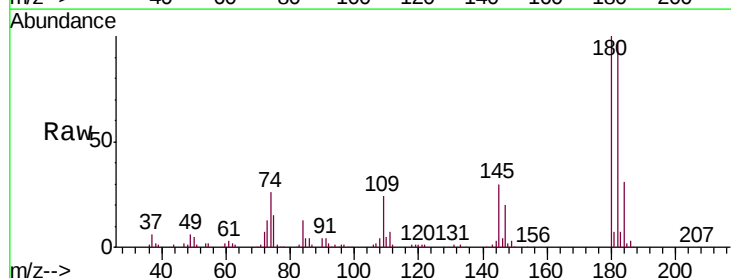
Tgt Ion:180 Resp: 99982

Ion Ratio Lower Upper

180 100

182 97.0 76.7 115.1

145 29.9 23.0 34.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

