

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050718\
 Data File : VU023682.D
 Acq On : 07 May 2018 10:29
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 14:34:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 07 00:51:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	383485	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	361717	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	191151	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	116367	42.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.62%
7) Chloroethane-d5	1.68	69	94707	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.44%
11) 1,1-Dichloroethene-d2	2.27	63	227468	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.86%
21) 2-Butanone-d5	4.18	46	190719	101.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.56%
24) Chloroform-d	4.65	84	221269	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
26) 1,2-Dichloroethane-d4	5.31	65	142511	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.18%
32) Benzene-d6	5.35	84	459784	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
36) 1,2-Dichloropropane-d6	6.33	67	154888	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.30%
41) Toluene-d8	7.57	98	427486	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%
43) trans-1,3-Dichloropropene-	7.85	79	67029	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
47) 2-Hexanone-d5	8.31	63	138850	112.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.48%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	206477	49.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	175661	47.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	169339	40.896	ug/L 99
3) Chloromethane	1.33	50	171154	38.534	ug/L 99
5) Vinyl chloride	1.40	62	175492	41.719	ug/L 97
6) Bromomethane	1.63	94	82096	36.411	ug/L 100
8) Chloroethane	1.70	64	102117	40.166	ug/L 98
9) Trichlorofluoromethane	1.89	101	205930	43.503	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	129140	43.265	ug/L 97
12) 1,1-Dichloroethene	2.28	96	119455	42.681	ug/L 96
13) Acetone	2.32	43	244857	87.760	ug/L 100
14) Carbon disulfide	2.48	76	397490	41.200	ug/L 99
15) Methyl Acetate	2.62	43	163201	44.160	ug/L 98
16) Methylene chloride	2.70	84	149205	42.711	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	136117	44.451	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	423122	46.739	ug/L 99
19) 1,1-Dichloroethane	3.45	63	263597	43.373	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	151239	44.496	ug/L 99
22) 2-Butanone	4.26	43	284206	91.599	ug/L 98

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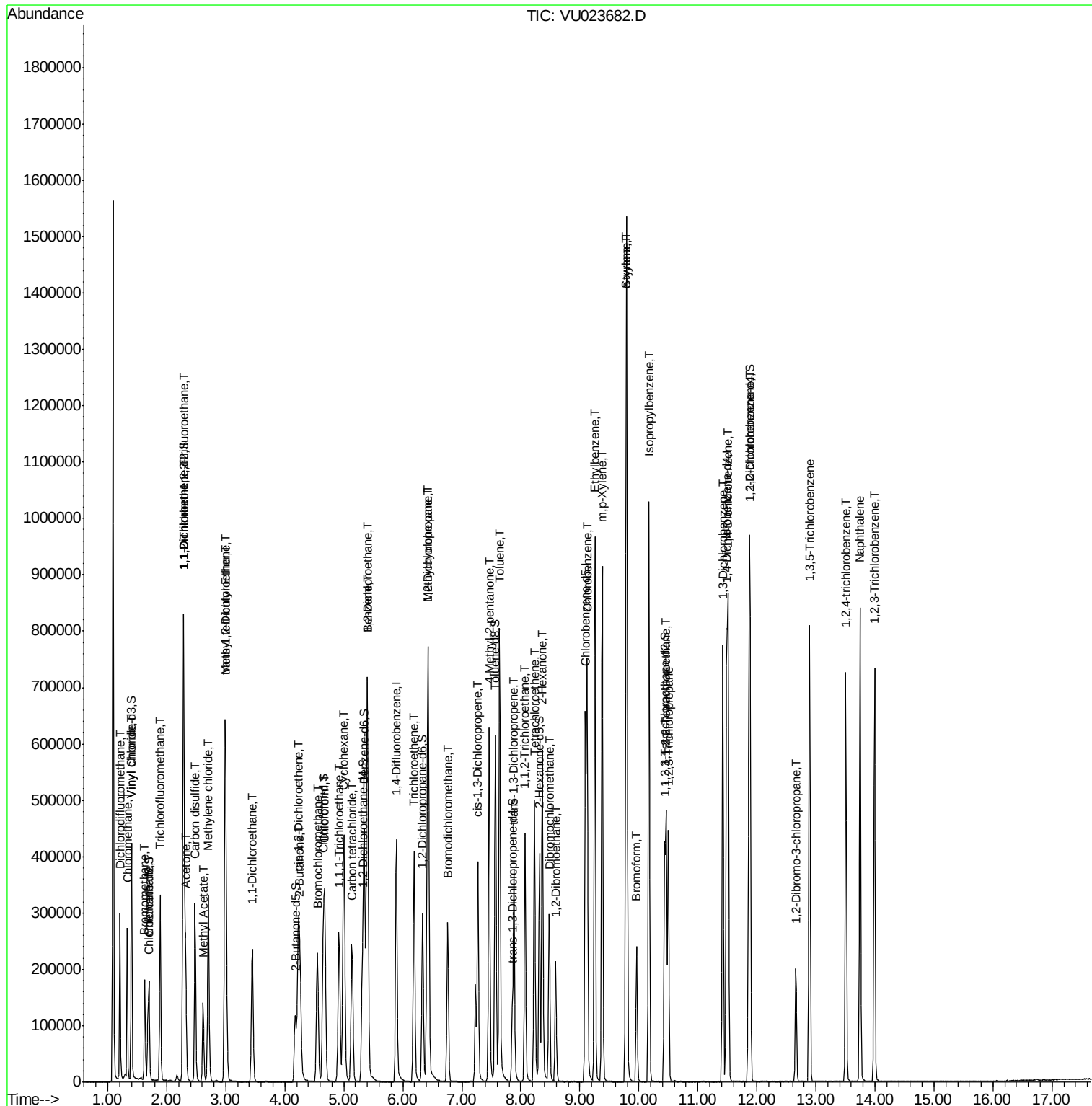
Quant Time: May 07 14:34:25 2018
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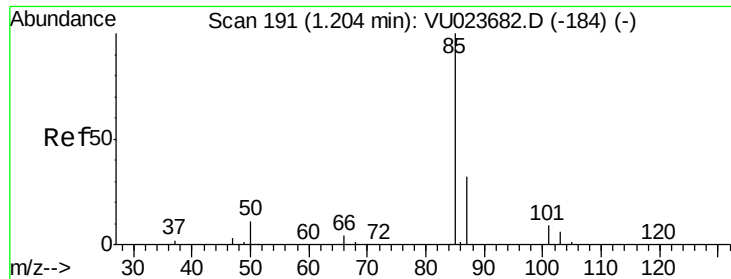
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	77040	45.160	ug/L	98
25) Chloroform	4.68	83	263879	42.338	ug/L	99
27) 1,2-Dichloroethane	5.41	62	201151	43.528	ug/L	100
29) Cyclohexane	5.00	56	242062	45.279	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	208585	45.528	ug/L	99
31) Carbon tetrachloride	5.14	117	180848	45.425	ug/L	99
33) Benzene	5.39	78	575614	45.159	ug/L	100
34) Trichloroethene	6.19	95	147069	45.032	ug/L	99
35) Methylcyclohexane	6.42	83	231960	45.409	ug/L	99
37) 1,2-Dichloropropane	6.44	63	164602	45.052	ug/L	99
38) Bromodichloromethane	6.76	83	187968	45.606	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	234165	46.516	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	433536	97.199	ug/L	99
42) Toluene	7.64	91	616627	46.674	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	211531	47.090	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	142884	46.034	ug/L	99
46) Tetrachloroethene	8.23	164	118397	44.480	ug/L	99
48) 2-Hexanone	8.36	43	379945	97.806	ug/L	99
49) Dibromochloromethane	8.48	129	153826	47.049	ug/L	98
50) 1,2-Dibromoethane	8.59	107	146278	46.661	ug/L	99
51) Chlorobenzene	9.12	112	399107	45.337	ug/L	99
52) Ethylbenzene	9.25	91	674843	47.123	ug/L	99
53) m,p-Xylene	9.38	106	259735	47.551	ug/L	99
54) o-xylene	9.78	106	251715	48.639	ug/L	99
55) Styrene	9.80	104	443685	49.007	ug/L	100
56) Isopropylbenzene	10.17	105	662362	48.767	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	236548	46.418	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	189176	46.905	ug/L	99
61) Bromoform	9.96	173	111813	46.531	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	319204	46.308	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	331084	46.003	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	325778	46.199	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	48567	47.433	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	263703	45.671	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	230006	46.904	ug/L	99
69) Naphthalene	13.75	128	639805	49.720	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	234954	47.022	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 40.896 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU023682.D

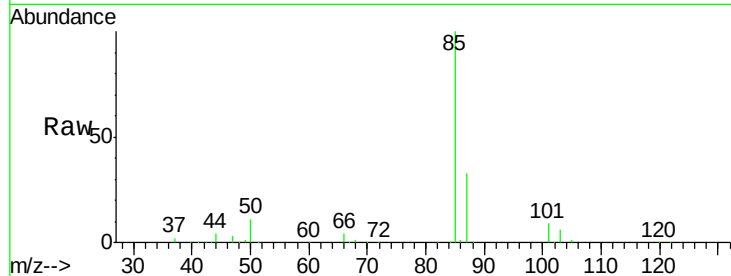
Acq: 07 May 2018 10:29

Tot Ion: 85 Resp: 169339

Ion Ratio Lower Upper

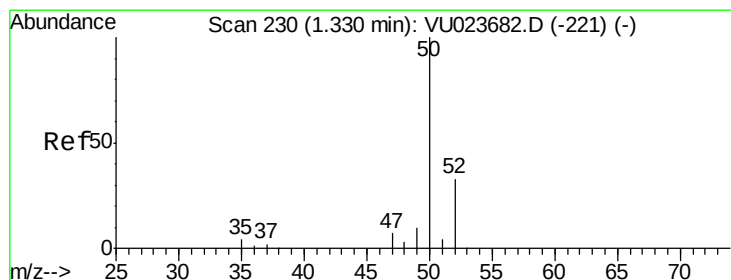
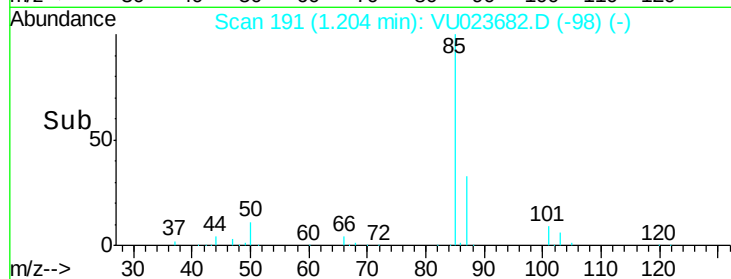
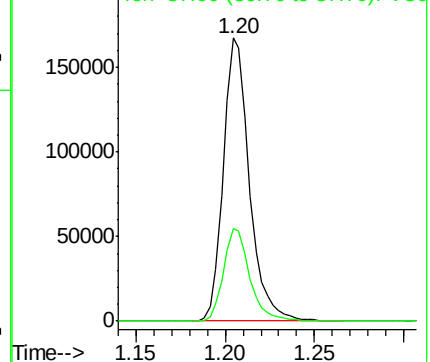
85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 38.534 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU023682.D

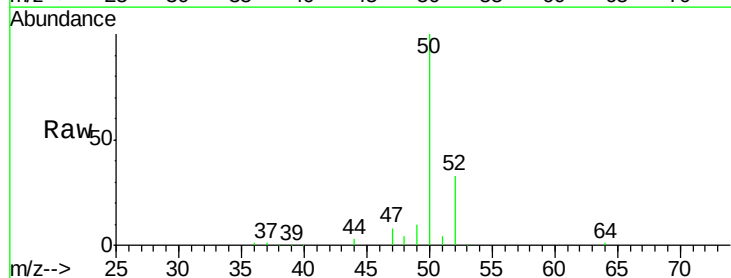
Acq: 07 May 2018 10:29

Tgt Ion: 50 Resp: 171154

Ion Ratio Lower Upper

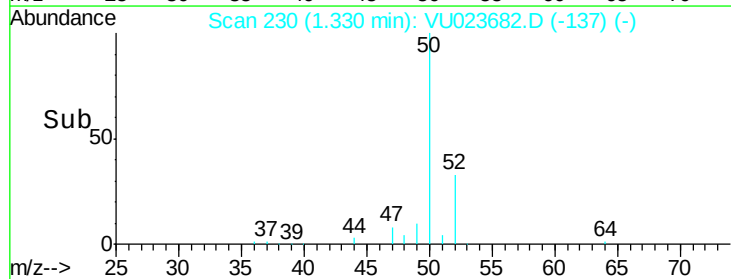
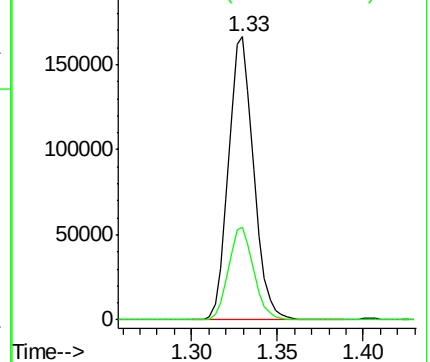
50 100

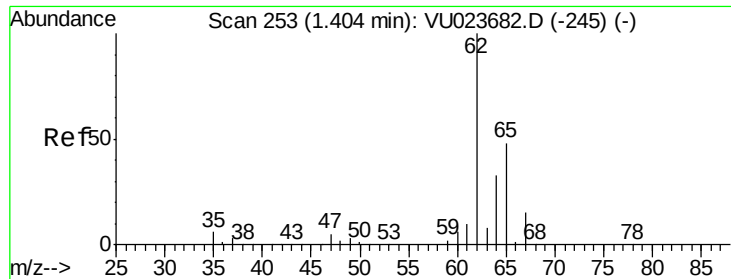
52 32.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 41.719 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023682.D

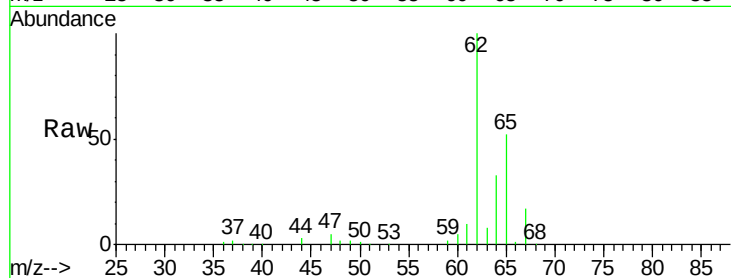
Acq: 07 May 2018 10:29

Tot Ion: 62 Resp: 175492

Ion Ratio Lower Upper

62 100

64 32.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

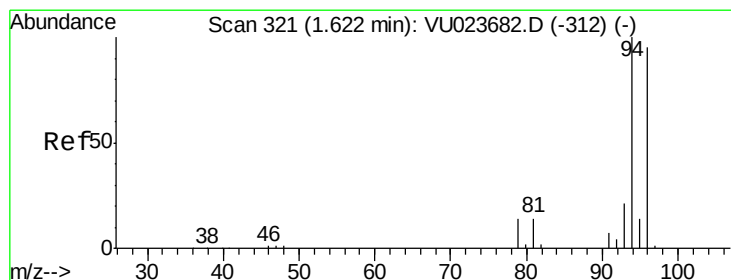
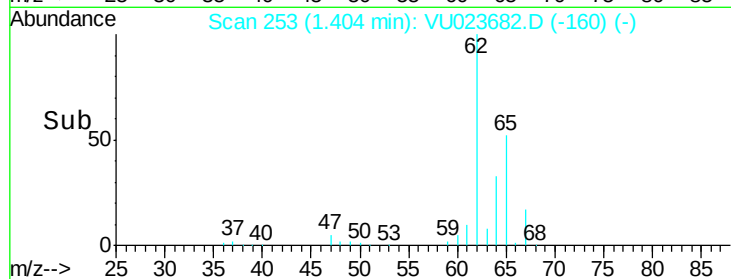
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 36.411 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU023682.D

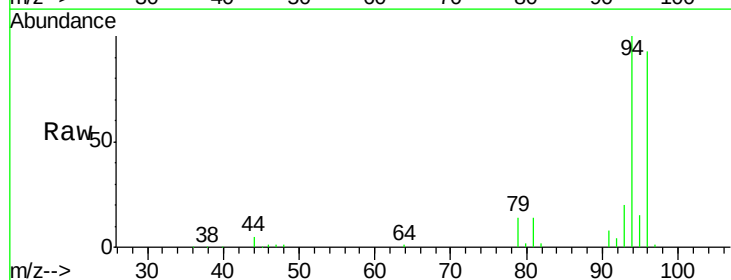
Acq: 07 May 2018 10:29

Tgt Ion: 94 Resp: 82096

Ion Ratio Lower Upper

94 100

96 92.9 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

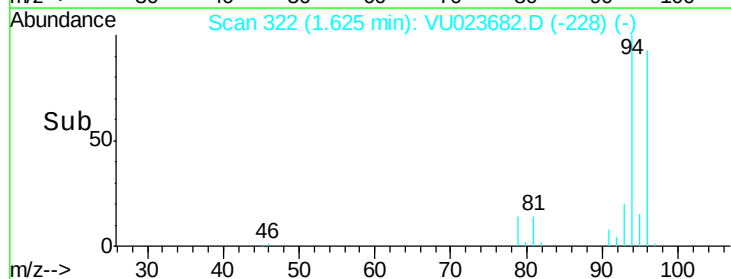
60000

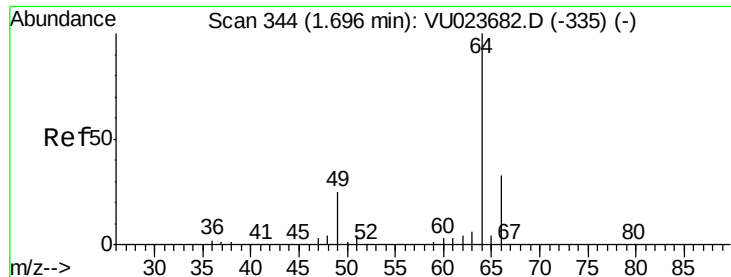
40000

20000

0

Time-->





#8

Chloroethane

Concen: 40.166 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU023682.D

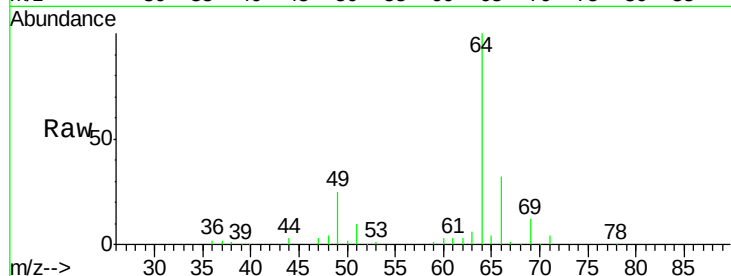
Acq: 07 May 2018 10:29

Tot Ion: 64 Resp: 102117

Ion Ratio Lower Upper

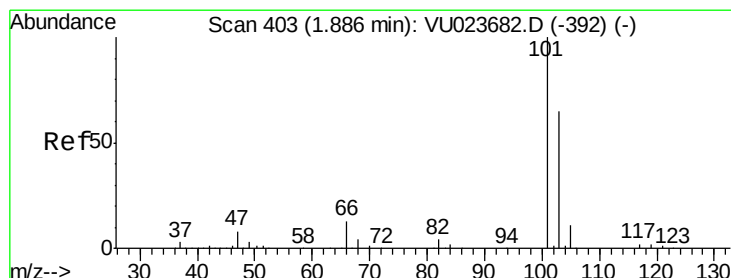
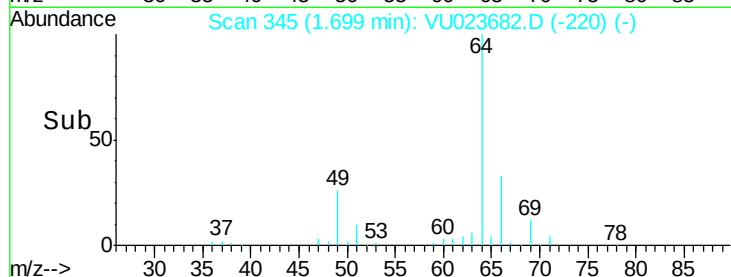
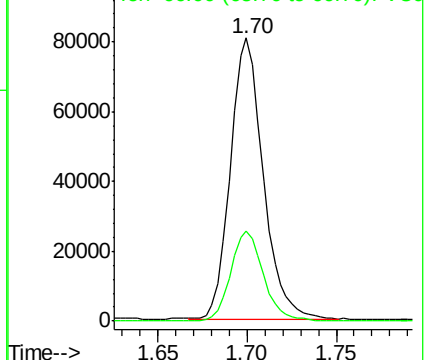
64 100

66 32.0 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 43.503 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU023682.D

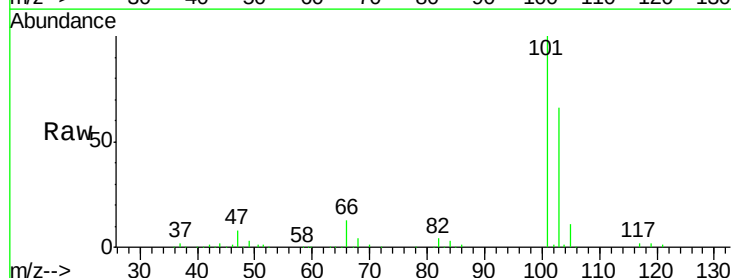
Acq: 07 May 2018 10:29

Tgt Ion:101 Resp: 205930

Ion Ratio Lower Upper

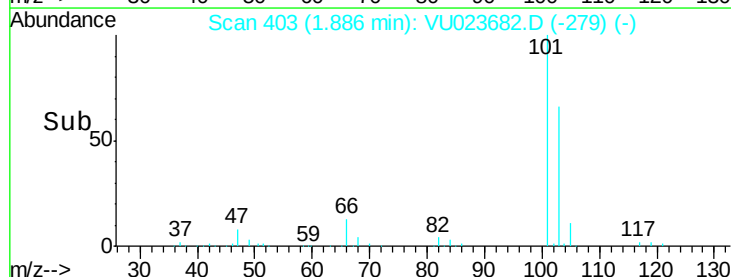
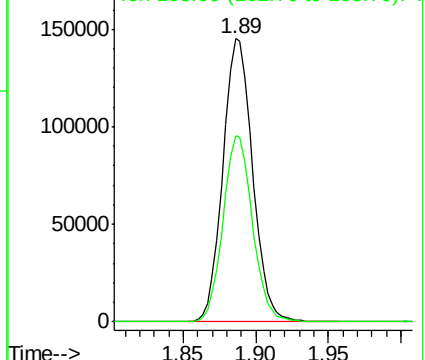
101 100

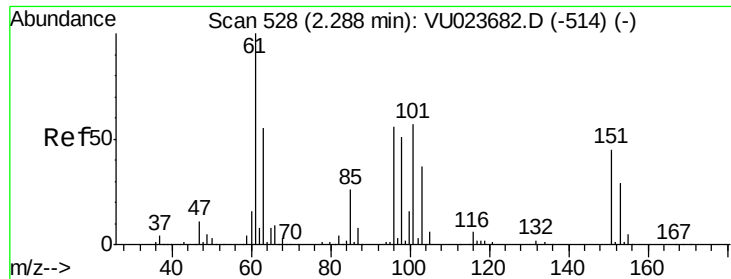
103 65.1 52.2 78.4



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: 43.265 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

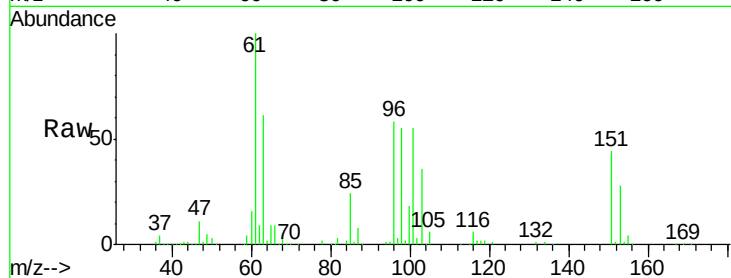
Tot Ion: 101 Resp: 129140

Ion Ratio Lower Upper

101 100

85 42.9 34.9 52.3

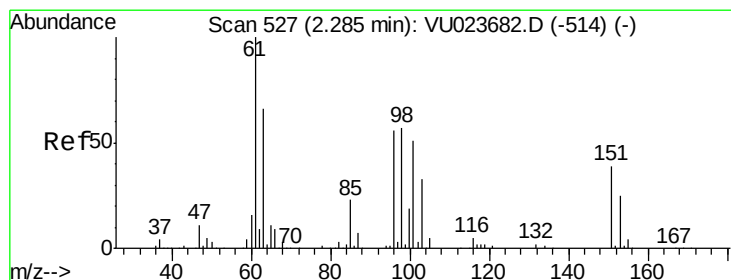
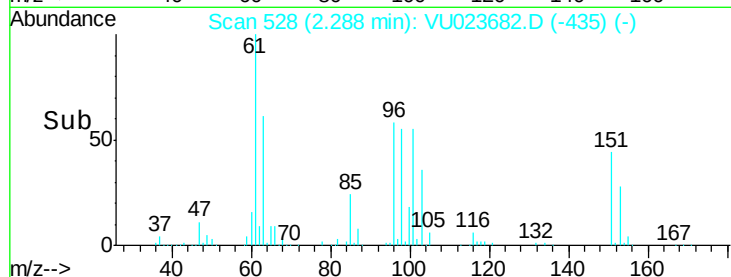
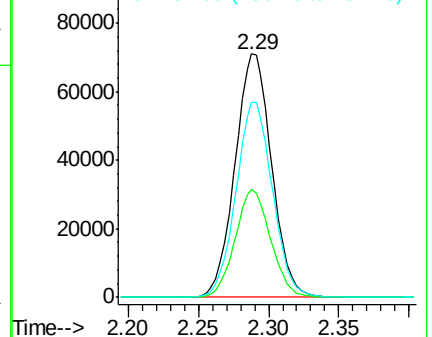
151 80.0 61.0 91.6



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: 42.681 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

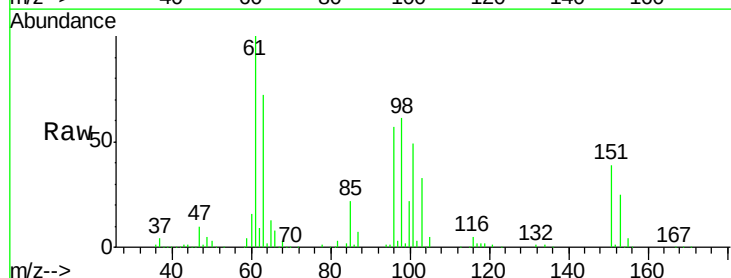
Tgt Ion: 96 Resp: 119455

Ion Ratio Lower Upper

96 100

61 175.6 125.9 233.7

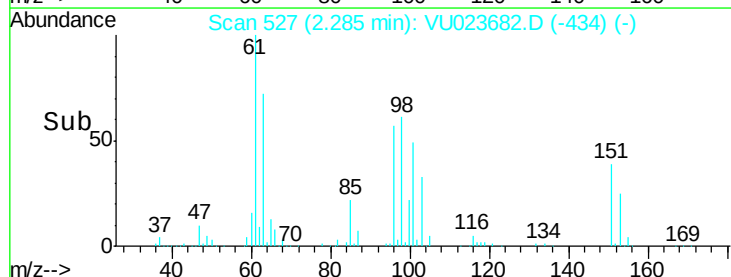
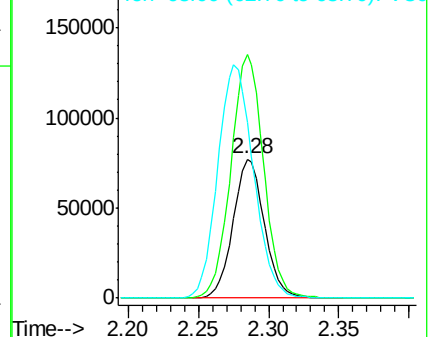
63 126.4 84.8 157.6

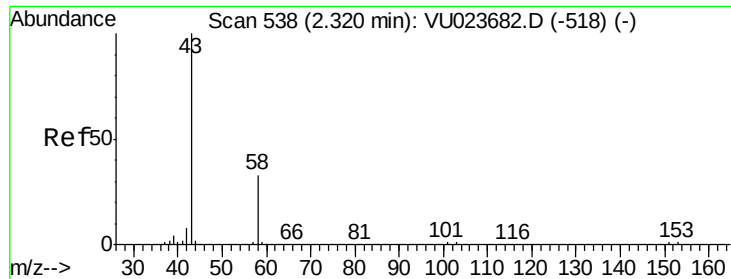


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 87.760 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU023682.D

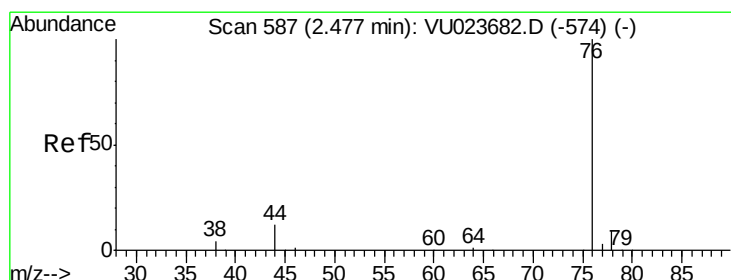
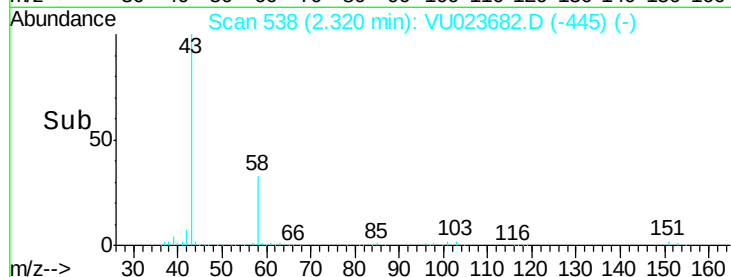
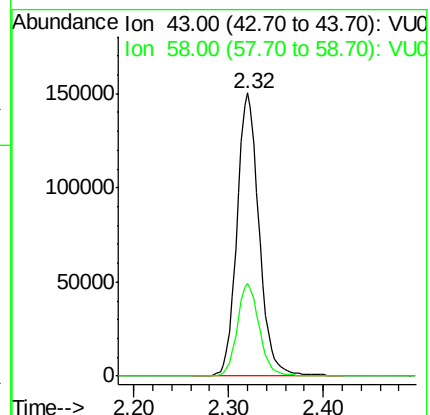
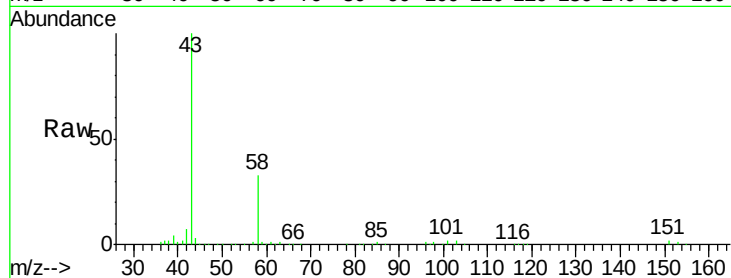
Acq: 07 May 2018 10:29

Tot Ion: 43 Resp: 244857

Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.8



#14

Carbon disulfide

Concen: 41.200 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU023682.D

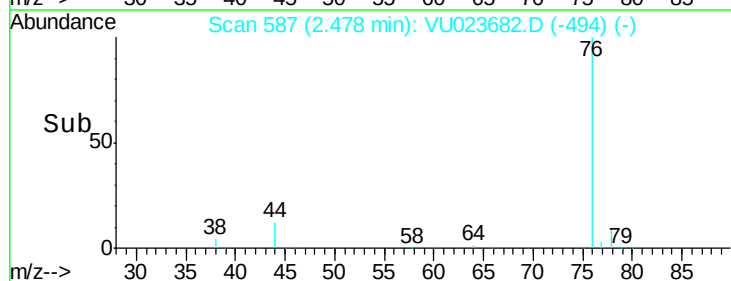
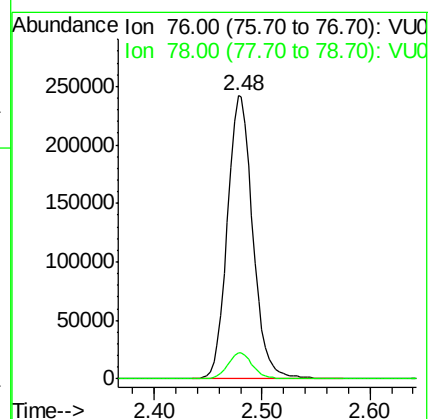
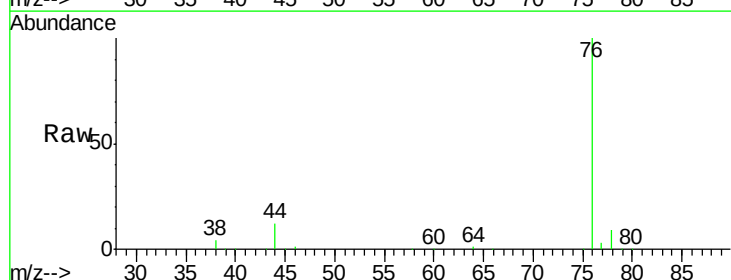
Acq: 07 May 2018 10:29

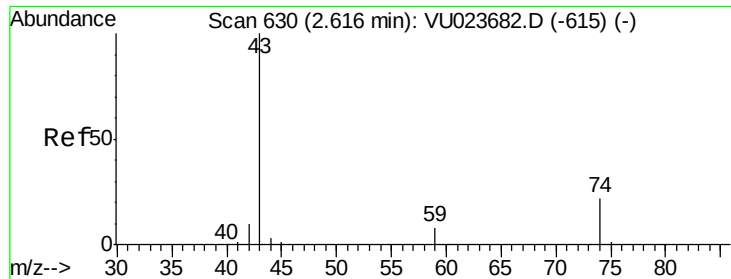
Tgt Ion: 76 Resp: 397490

Ion Ratio Lower Upper

76 100

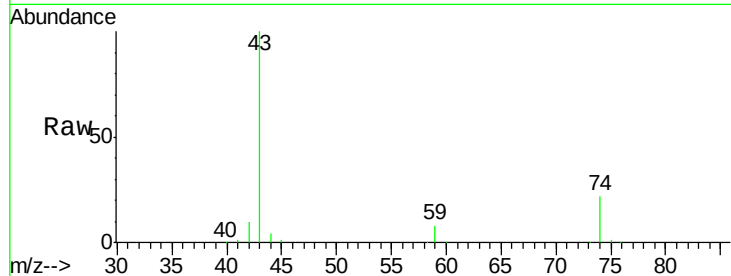
78 9.1 7.4 11.2



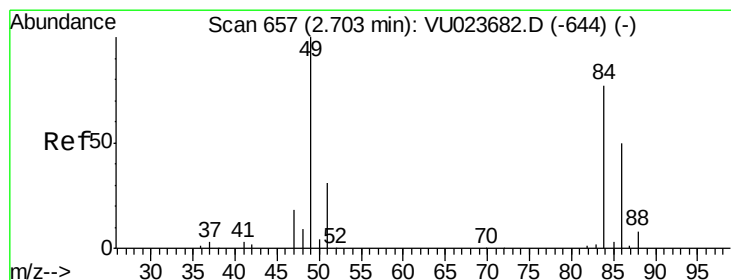
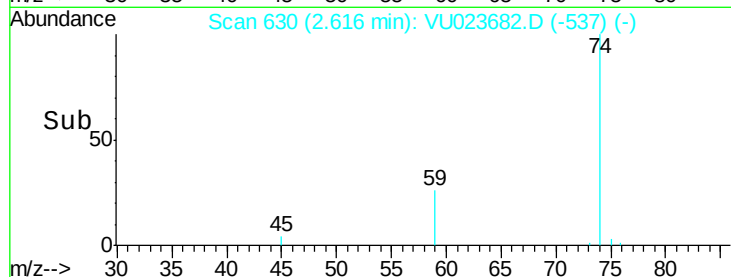
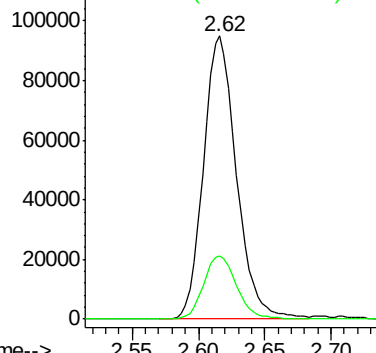


#15
Methvl Acetate
Concen: 44.160 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tot Ion: 43 Resp: 163201
Ion Ratio Lower Upper
43 100
74 22.8 17.5 26.3

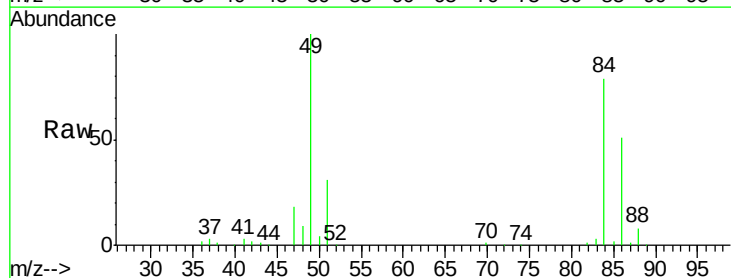


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

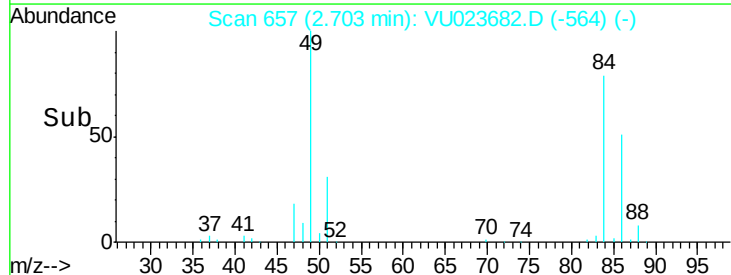
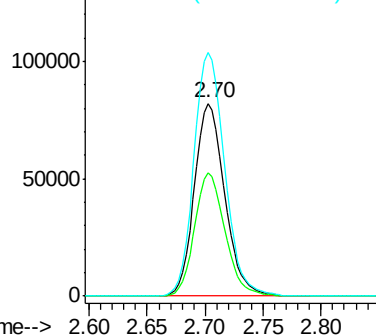


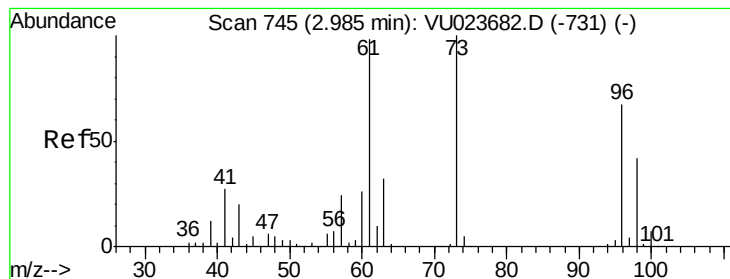
#16
Methylene chloride
Concen: 42.711 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tgt Ion: 84 Resp: 149205
Ion Ratio Lower Upper
84 100
86 63.9 45.6 84.8
49 126.4 91.9 170.7



Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 44.451 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

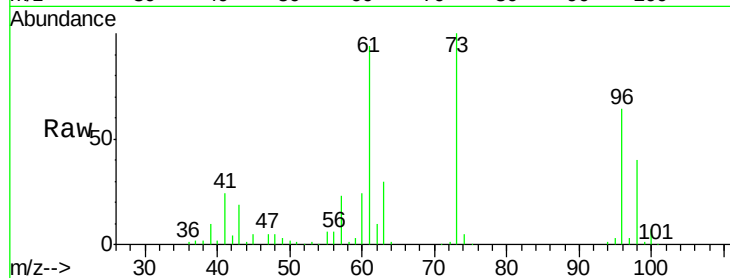
Tot Ion: 96 Resp: 136117

Ion	Ratio	Lower	Upper
96	100		
61	146.4	106.9	198.5
98	63.0	44.2	82.2

96 100

61 146.4 106.9 198.5

98 63.0 44.2 82.2

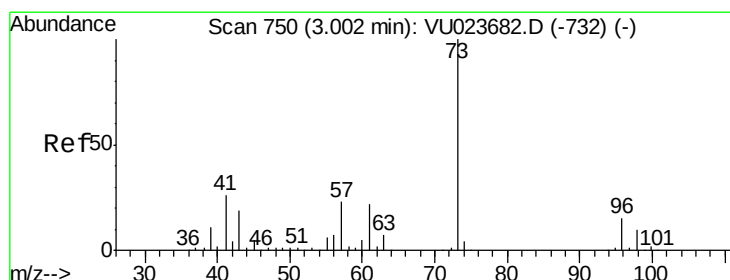
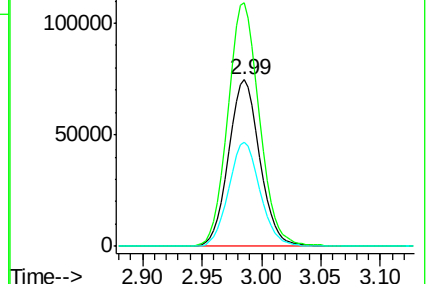
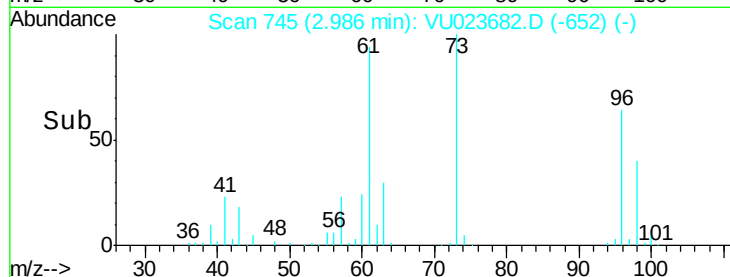


Abundance

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: 46.739 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

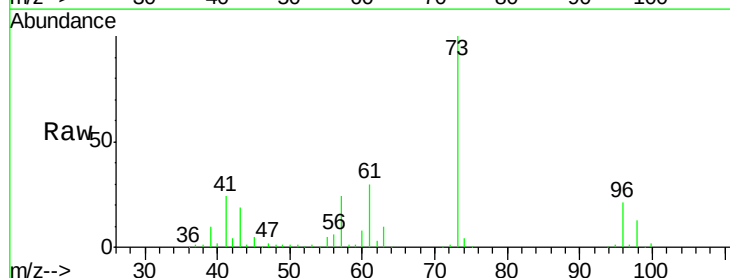
Tgt Ion: 73 Resp: 423122

Ion	Ratio	Lower	Upper
73	100		
43	19.1	15.5	23.3
57	22.9	18.5	27.7

73 100

43 19.1 15.5 23.3

57 22.9 18.5 27.7

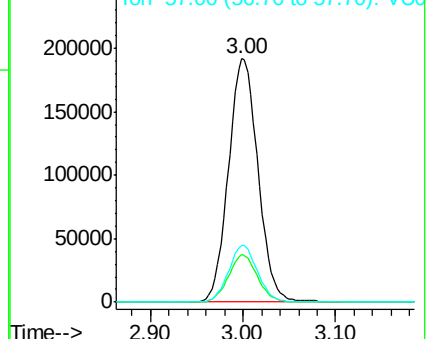
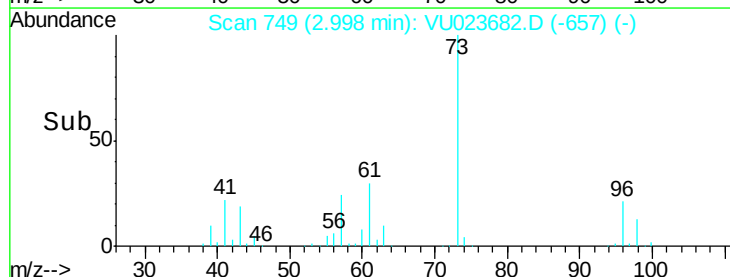


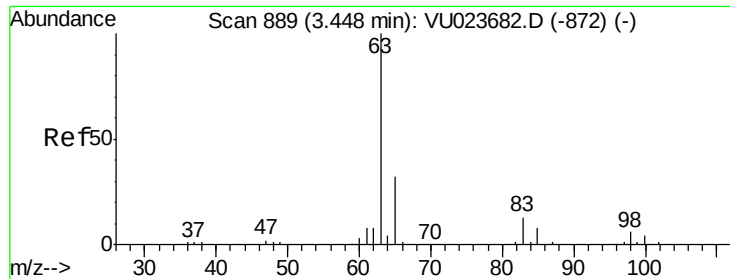
Abundance

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: 43.373 ug/L

RT: 3.45 min Scan# 889

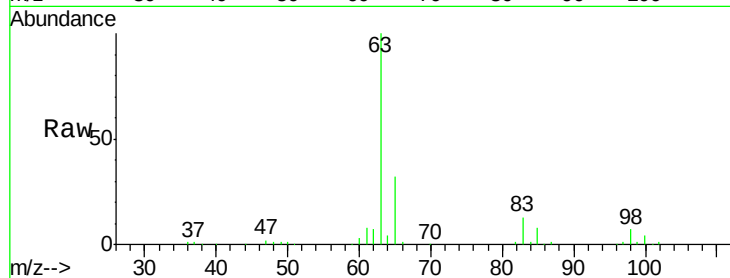
Delta R.T. 0.00 min

Lab File: VU023682.D

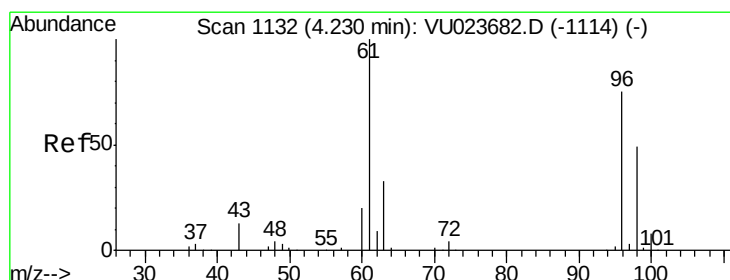
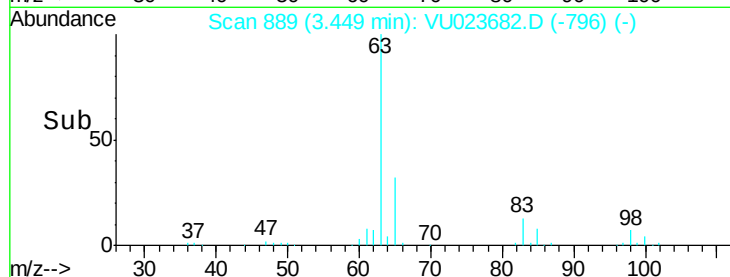
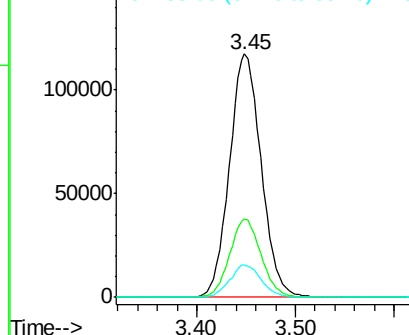
Acq: 07 May 2018 10:29

Tot Ion: 63 Resp: 263597

Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.3	41.5
83	13.3	8.7	16.1



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: 44.496 ug/L

RT: 4.23 min Scan# 1132

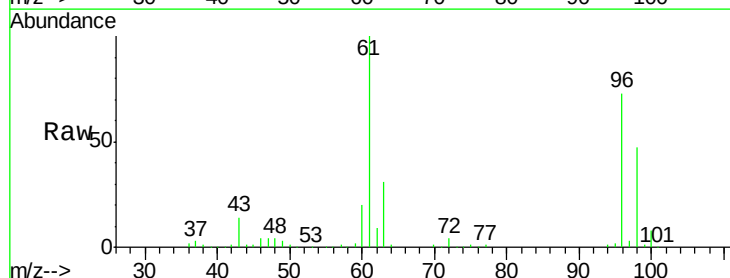
Delta R.T. 0.00 min

Lab File: VU023682.D

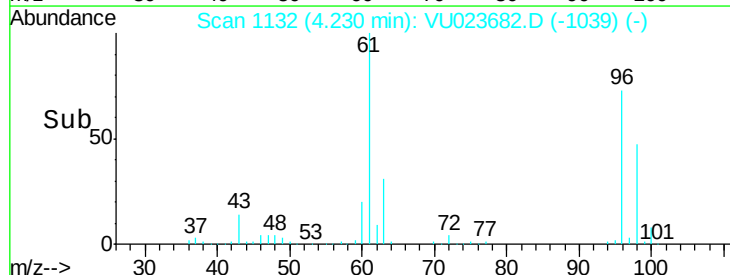
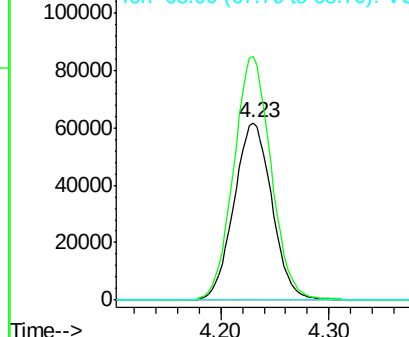
Acq: 07 May 2018 10:29

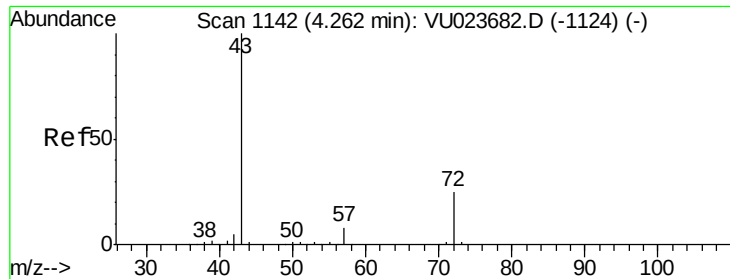
Tgt Ion: 96 Resp: 151239

Ion	Ratio	Lower	Upper
96	100		
61	137.5	95.3	177.1
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: 91.599 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU023682.D

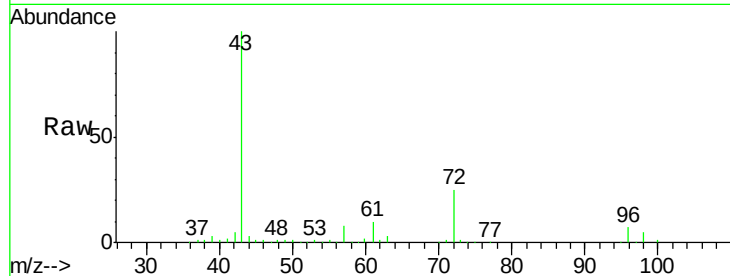
Acq: 07 May 2018 10:29

Tot Ion: 43 Resp: 284206

Ion Ratio Lower Upper

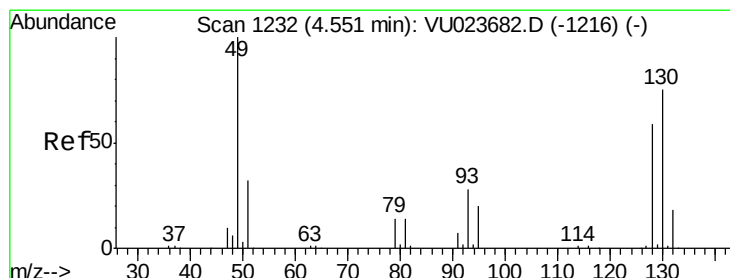
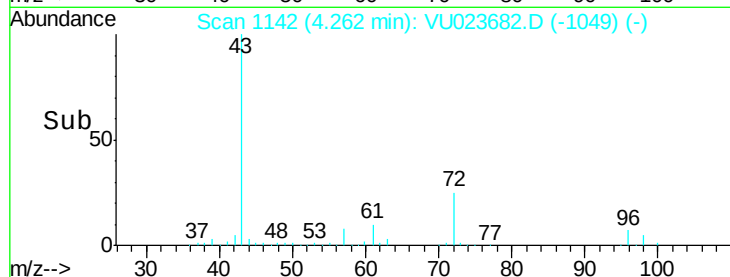
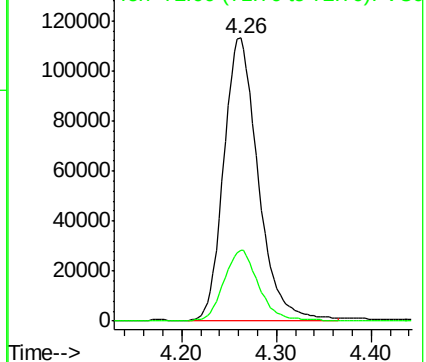
43 100

72 25.7 12.3 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 45.160 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

Tgt Ion: 128 Resp: 77040

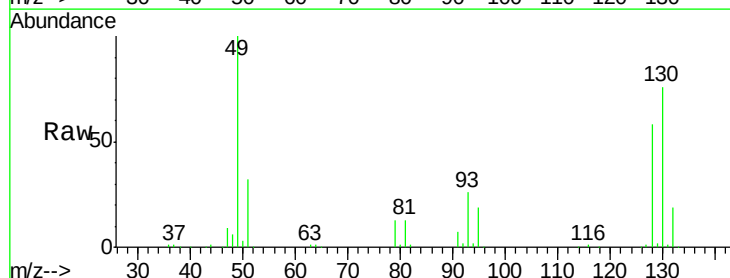
Ion Ratio Lower Upper

128 100

49 171.4 123.7 229.7

130 129.8 90.6 168.3

51 54.5 45.0 67.6

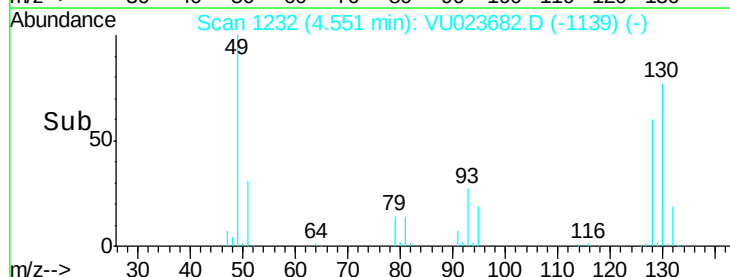
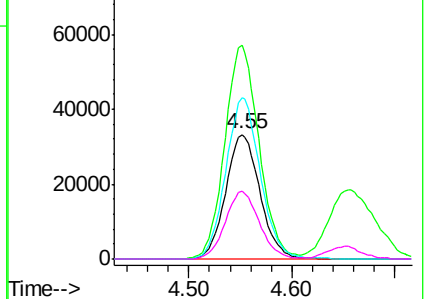


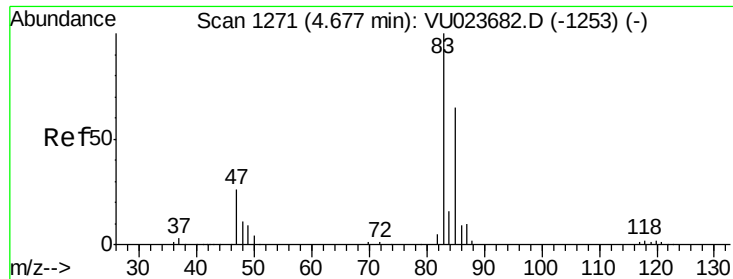
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

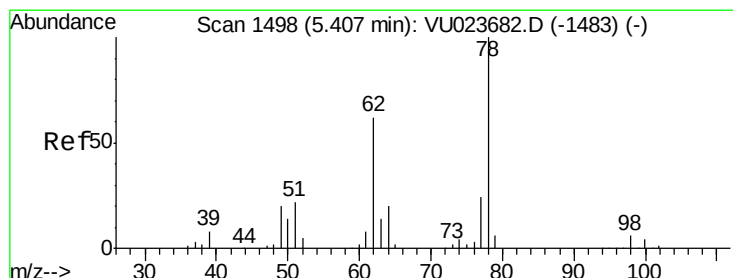
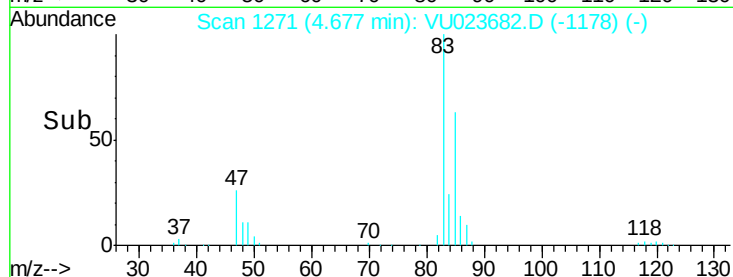
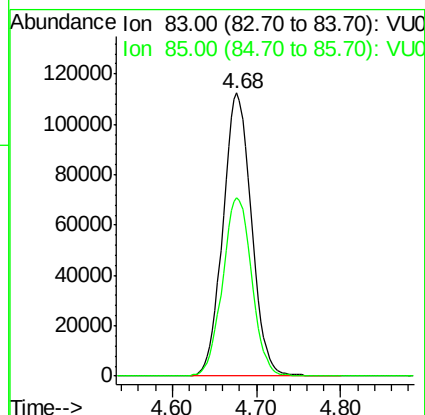
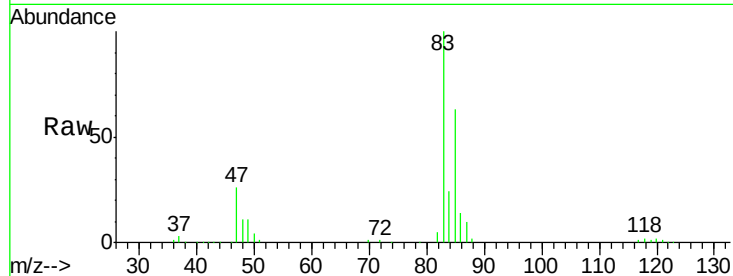
Ion 51.00 (50.70 to 51.70): VU0





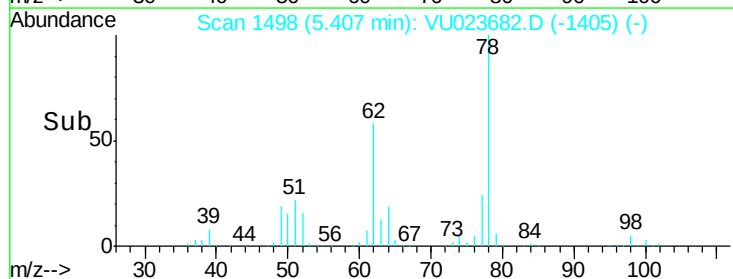
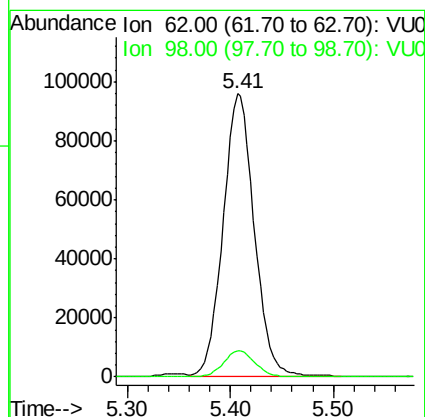
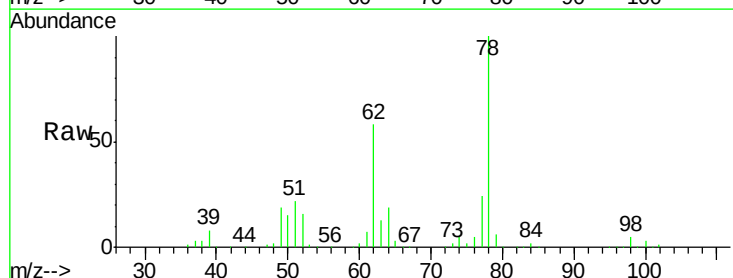
#25
Chloroform
Concen: 42.338 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

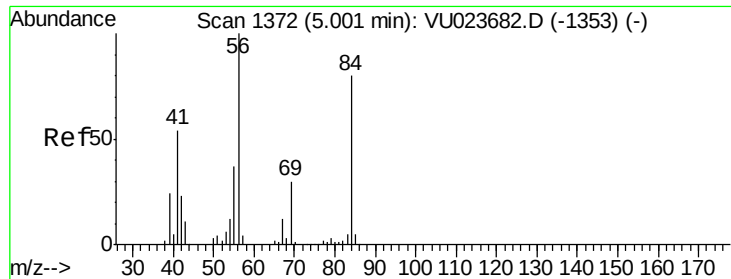
Tot Ion: 83 Resp: 263879
Ion Ratio Lower Upper
83 100
85 63.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 43.528 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

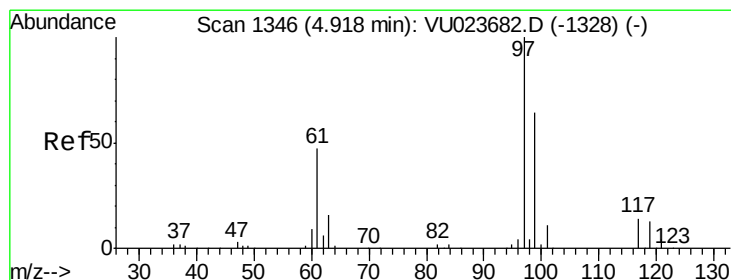
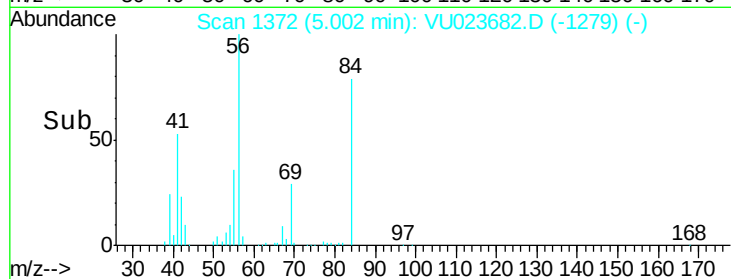
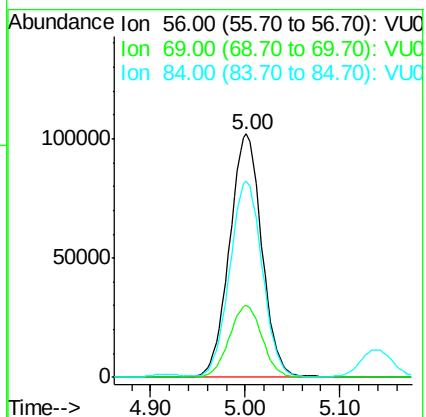
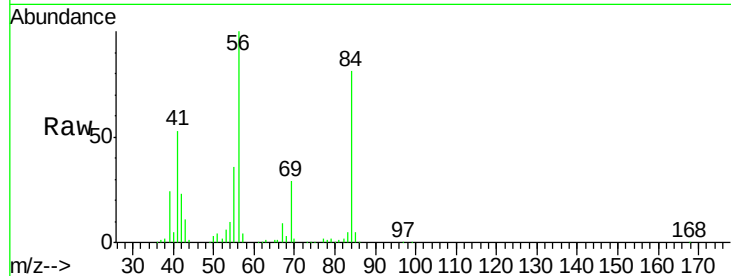
Tgt Ion: 62 Resp: 201151
Ion Ratio Lower Upper
62 100
98 9.2 7.3 10.9





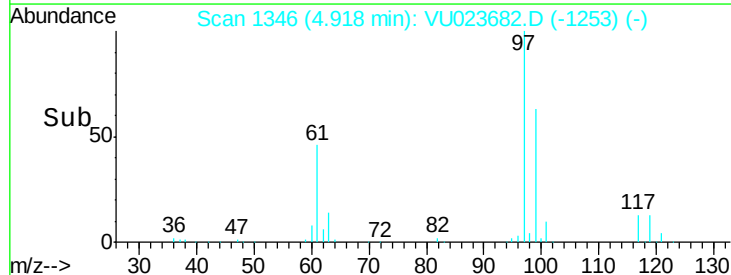
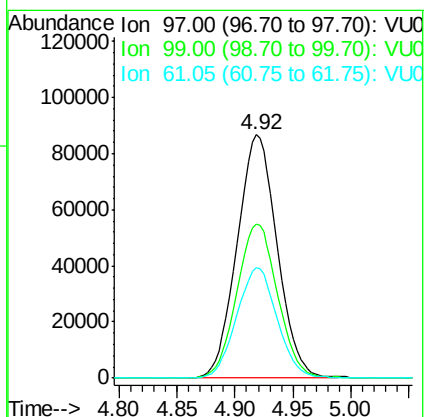
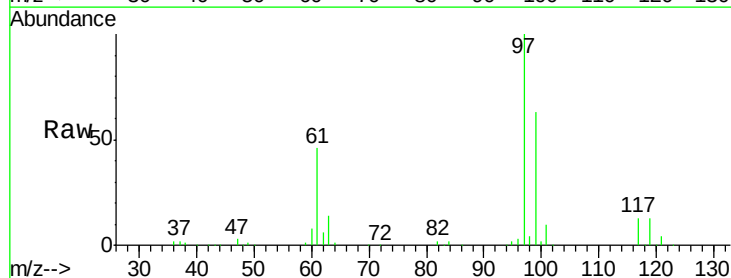
#29
Cyclohexane
Concen: 45.279 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

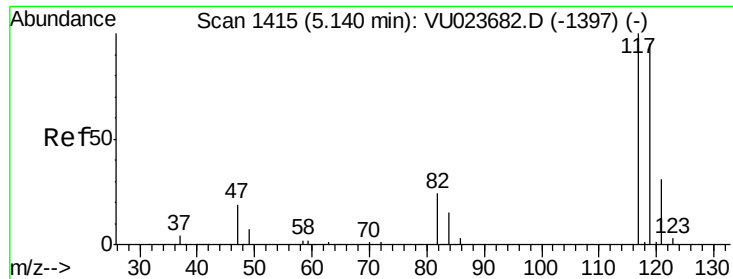
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.5	35.3
84	81.6	63.8	95.8



#30
1,1,1-Trichloroethane
Concen: 45.528 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	45.7	37.7	56.5





#31

Carbon tetrachloride

Concen: 45.425 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU023682.D

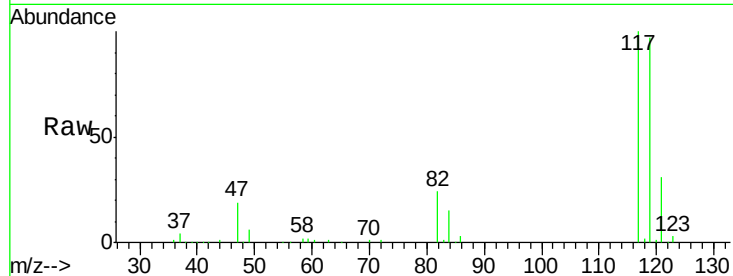
Acq: 07 May 2018 10:29

Tot Ion:117 Resp: 180848

Ion Ratio Lower Upper

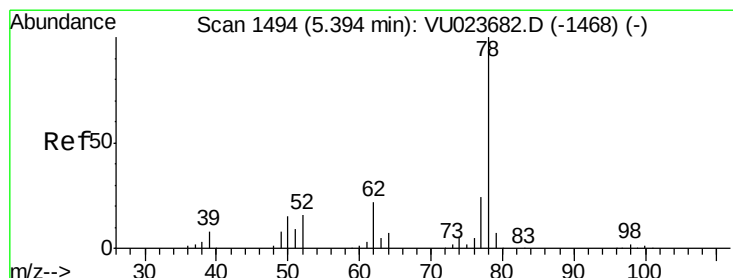
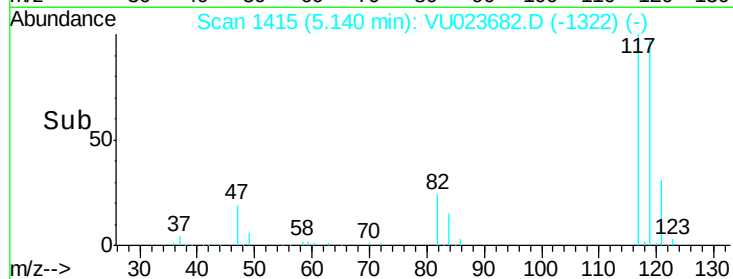
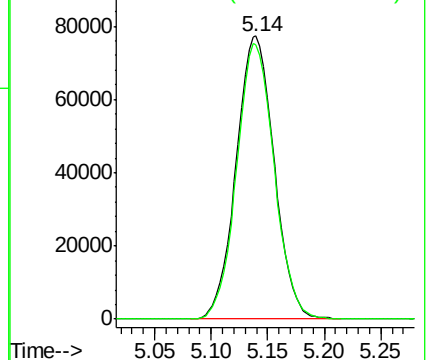
117 100

119 96.2 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.159 ug/L

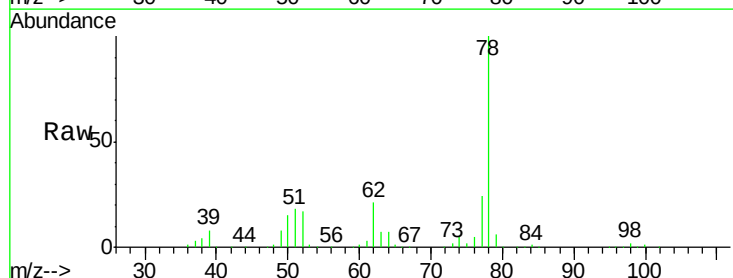
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

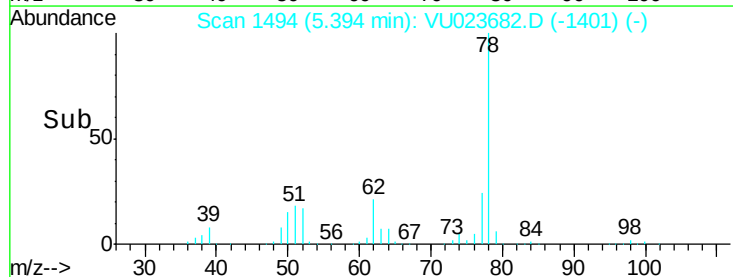
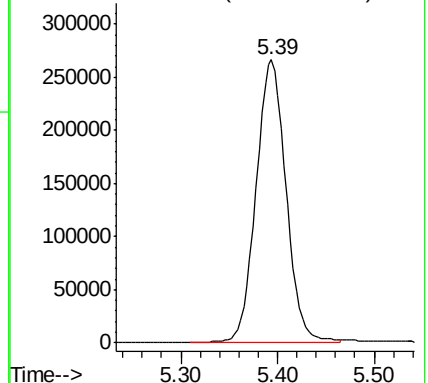
Lab File: VU023682.D

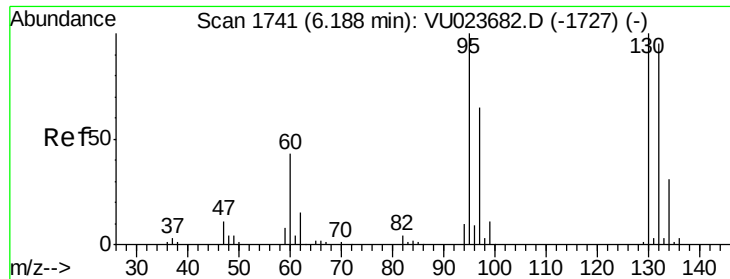
Acq: 07 May 2018 10:29

Tgt Ion: 78 Resp: 575614



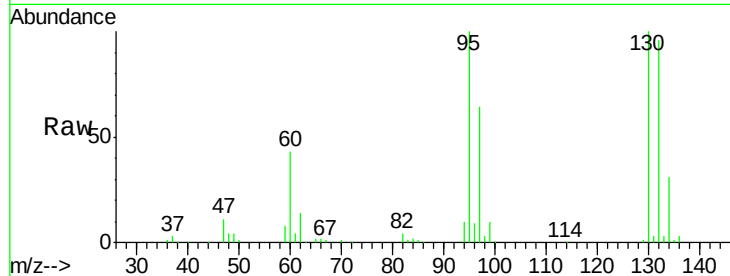
Abundance Ion 78.00 (77.70 to 78.70): VU0



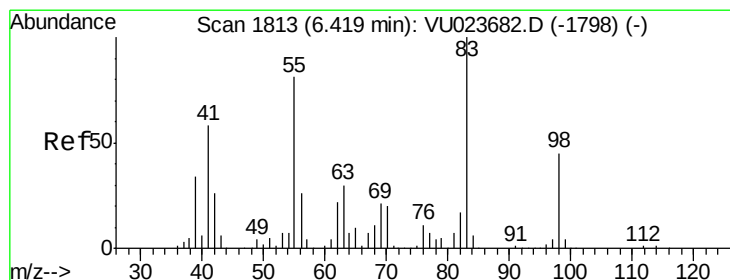
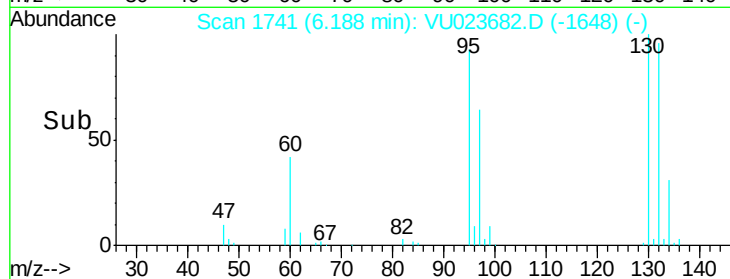
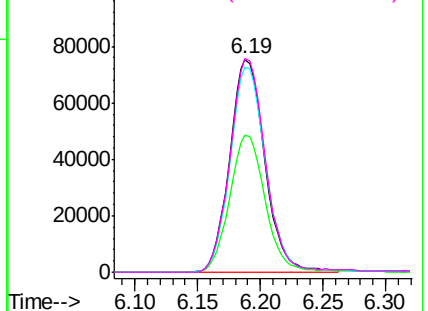


#34
 Trichloroethene
 Concen: 45.032 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

Tot Ion:	95	Resp:	147069
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.3	85.9
132	96.4	68.5	127.1
130	100.3	70.8	131.4

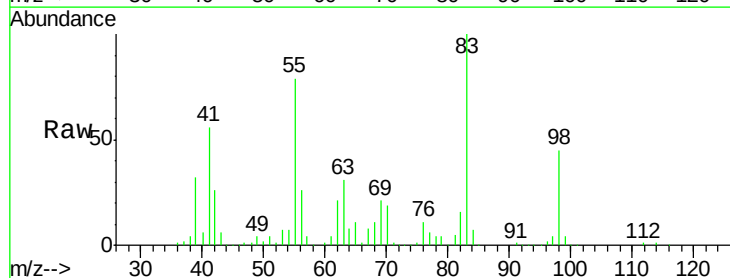


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

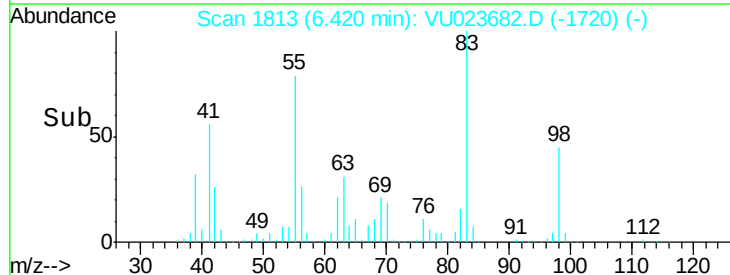
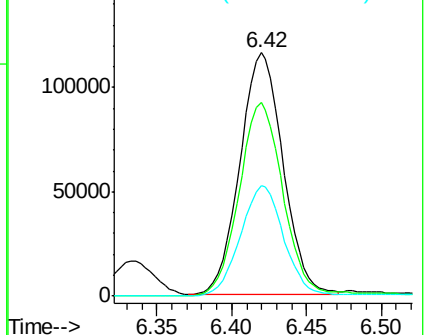


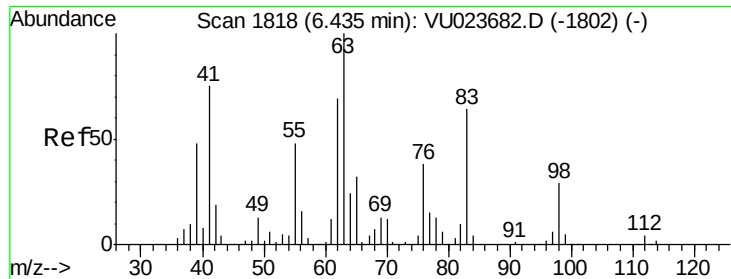
#35
 Methylcyclohexane
 Concen: 45.409 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

Tgt Ion:	83	Resp:	231960
Ion	Ratio	Lower	Upper
83	100		
55	82.5	66.7	100.1
98	46.3	36.6	54.8



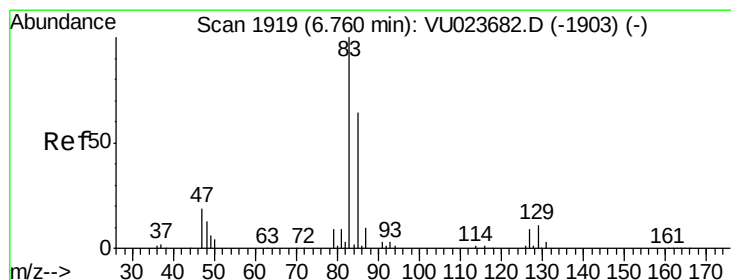
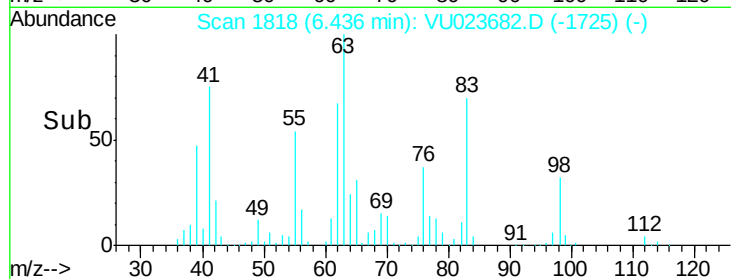
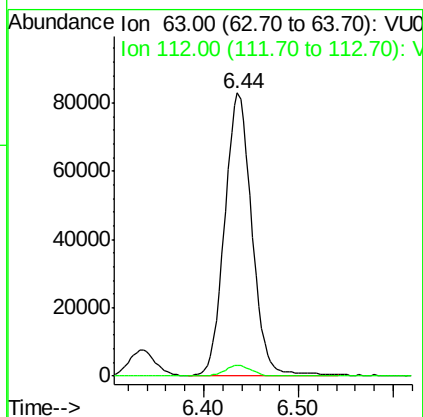
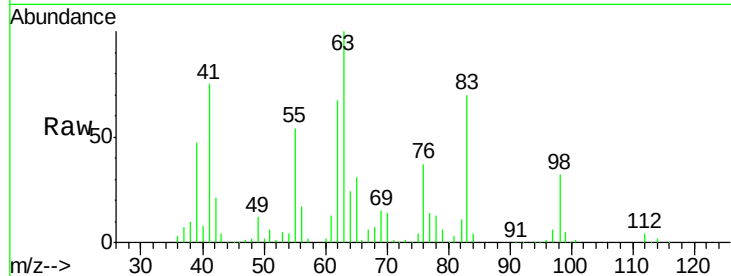
Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





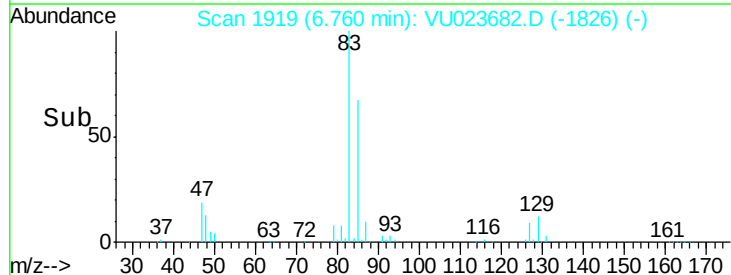
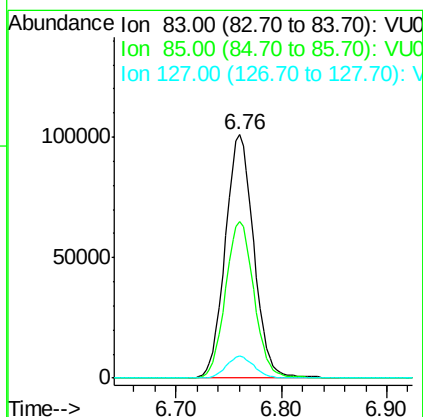
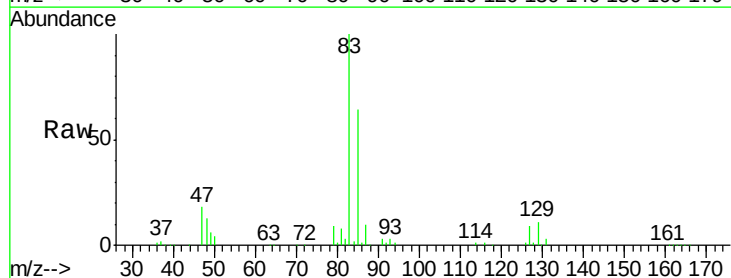
#37
 1,2-Dichloropropane
 Concen: 45.052 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

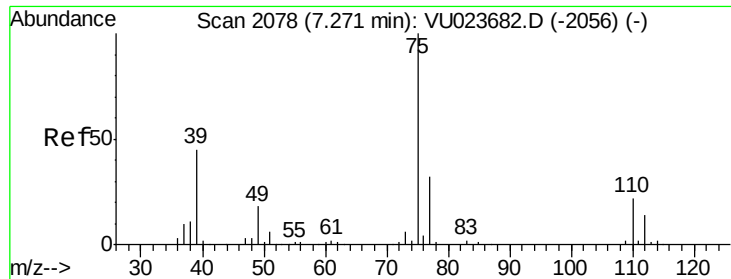
Tot Ion: 63 Resp: 164602
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 45.606 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

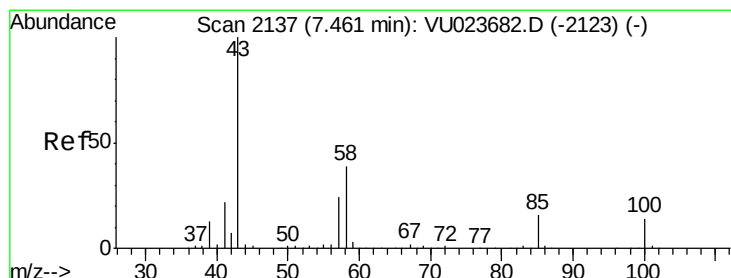
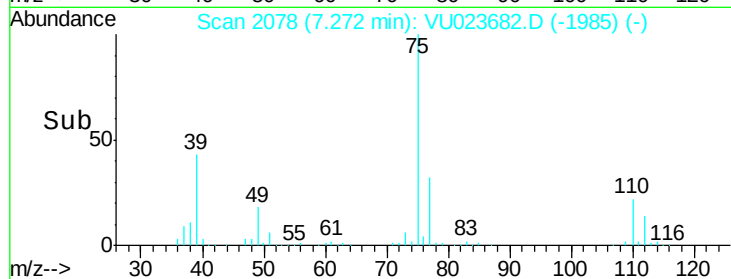
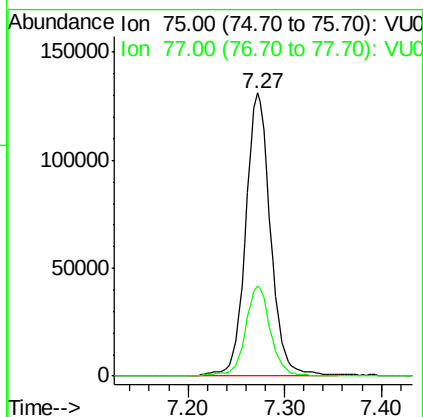
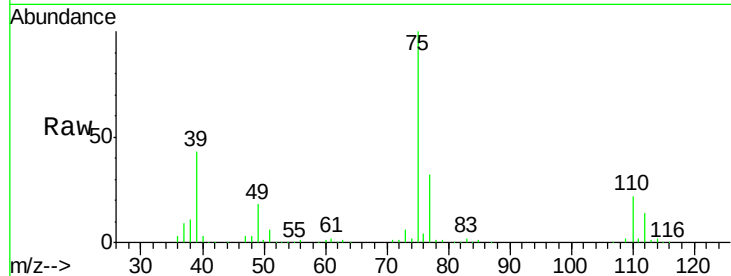
Tgt Ion: 83 Resp: 187968
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 9.0 6.9 10.3





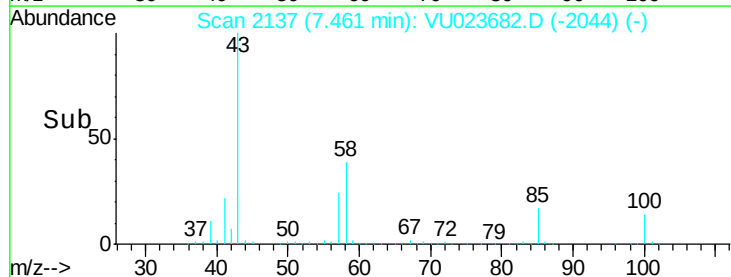
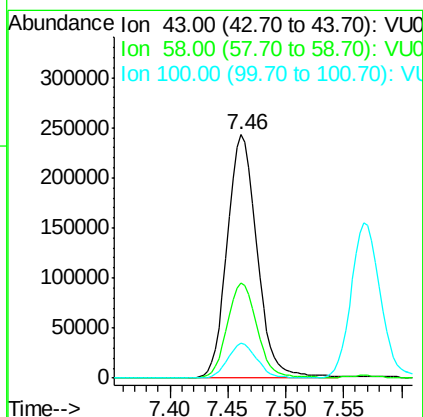
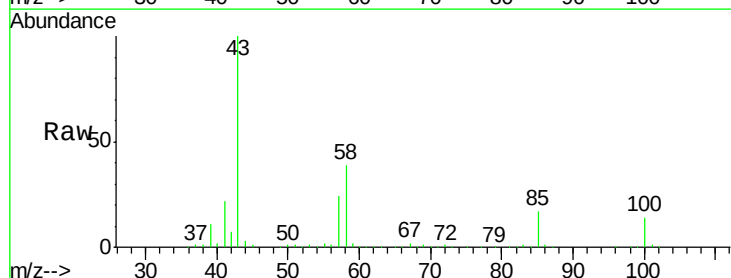
#39
 cis-1,3-Dichloropropene
 Concen: 46.516 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

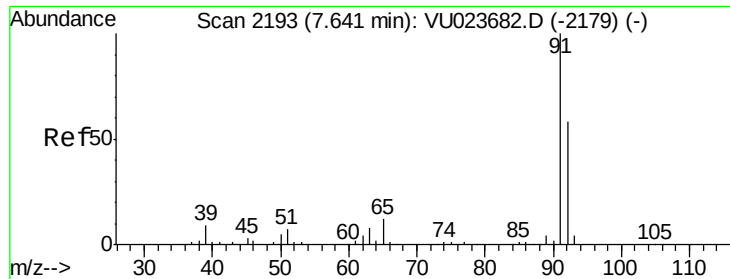
Tot Ion: 75 Resp: 234165
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 97.199 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

Tgt Ion: 43 Resp: 433536
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.8 46.2
 100 14.1 10.7 16.1





#42

Toluene

Concen: 46.674 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU023682.D

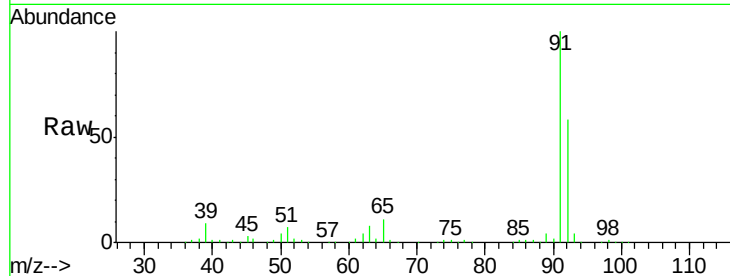
Acq: 07 May 2018 10:29

Tot Ion: 91 Resp: 616627

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

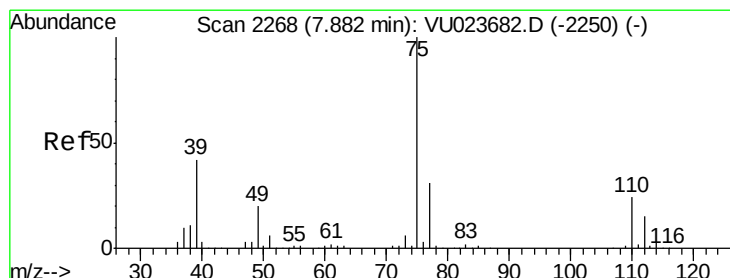
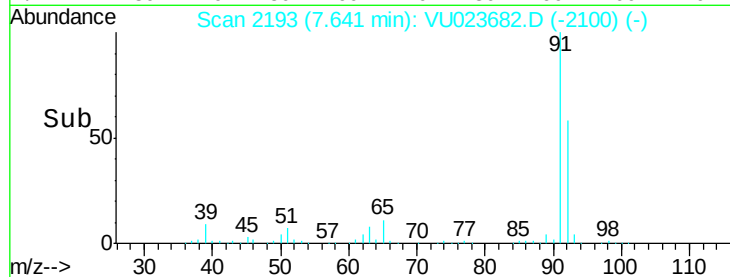
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.090 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU023682.D

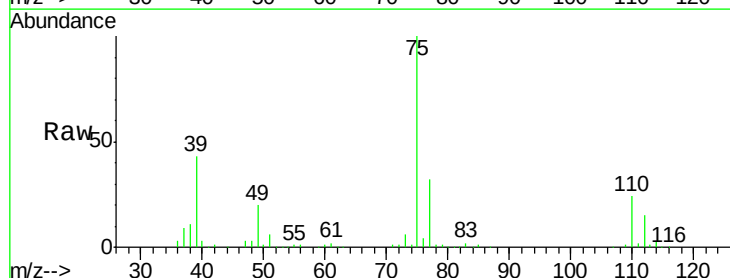
Acq: 07 May 2018 10:29

Tgt Ion: 75 Resp: 211531

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

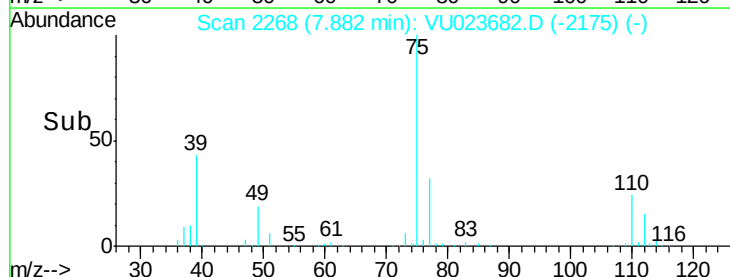
7.88

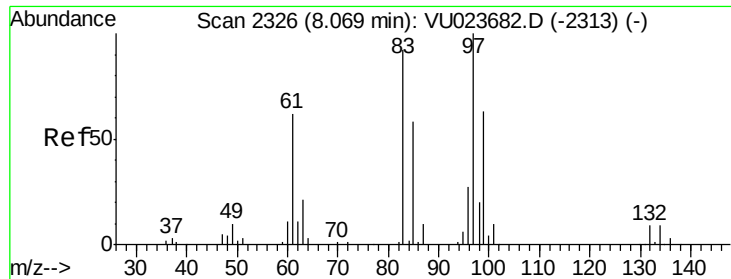
100000

50000

0

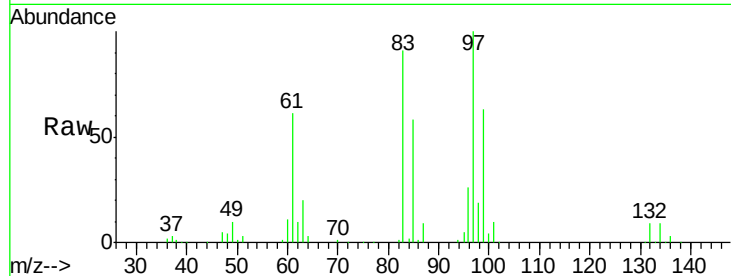
Time-->





#45
1,1,2-Trichloroethane
Concen: 46.034 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tot Ion:	97	Resp:	142884
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.2	82.2
83	90.6	63.1	117.1
85	58.4	40.3	74.8



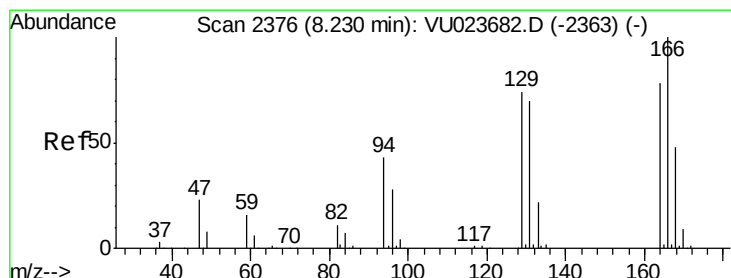
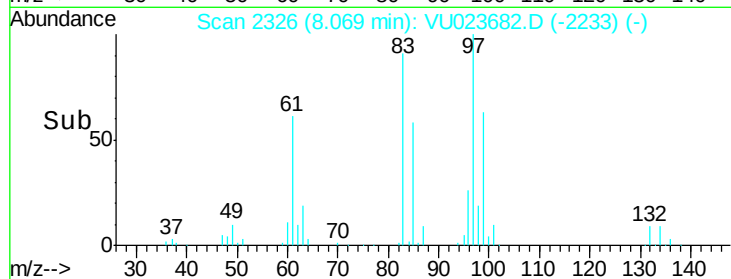
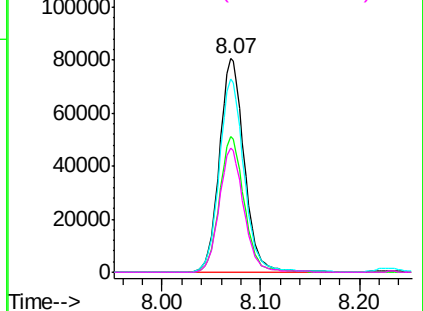
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

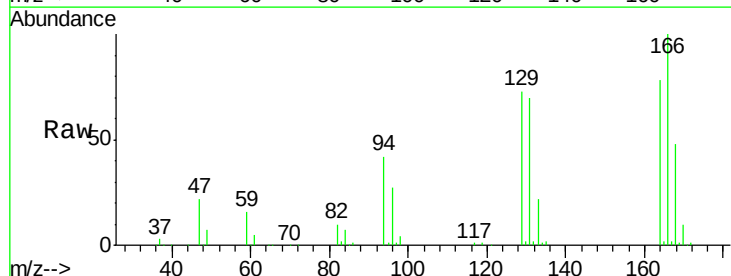
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 44.480 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tgt Ion:	164	Resp:	118397
Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.2	119.2
131	90.1	64.1	119.1
166	127.8	89.4	166.0



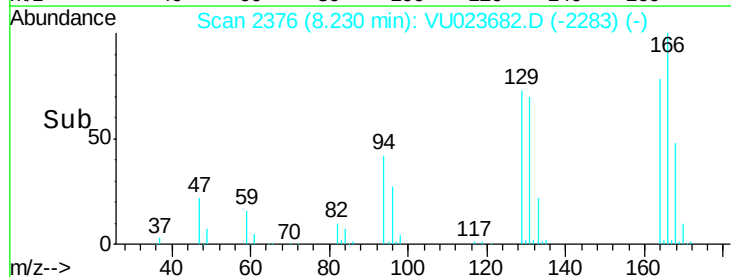
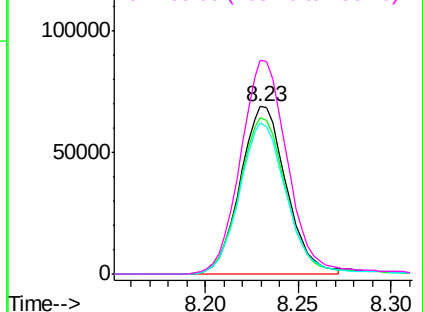
Abundance

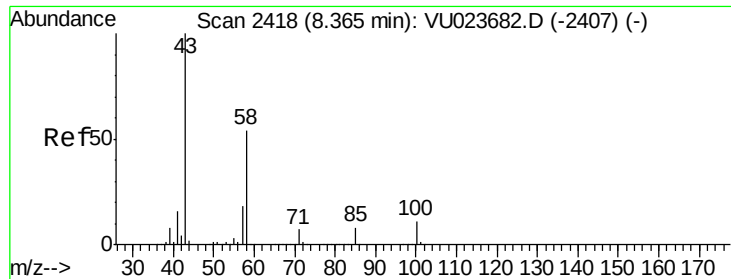
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

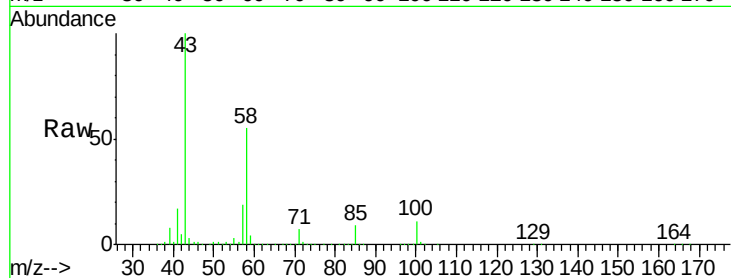
Ion 166.00 (165.70 to 166.70): V



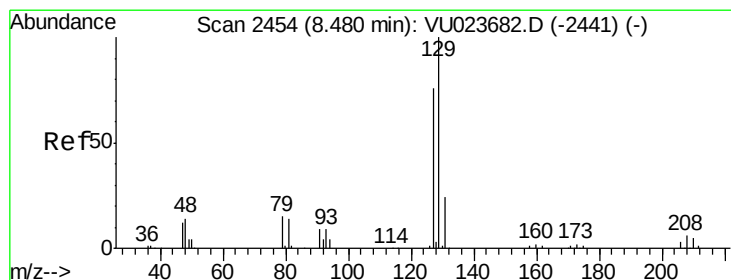
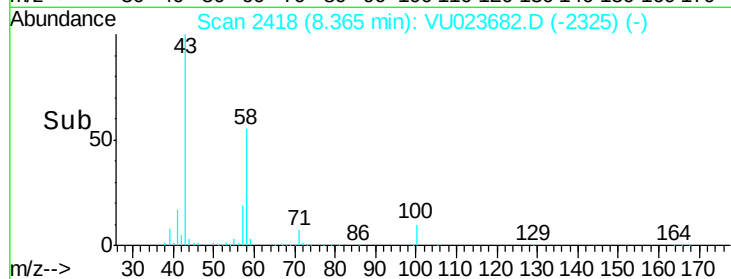
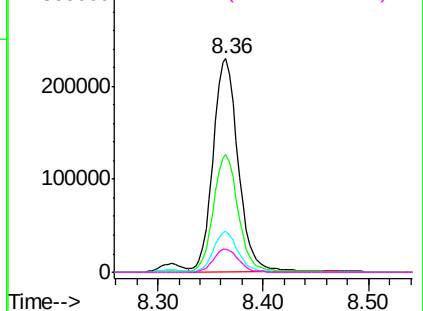


#48
2-Hexanone
Concen: 97.806 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tot Ion:	43	Resp:	379945
Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.0	64.6
57	18.6	14.6	22.0
100	11.1	8.4	12.6

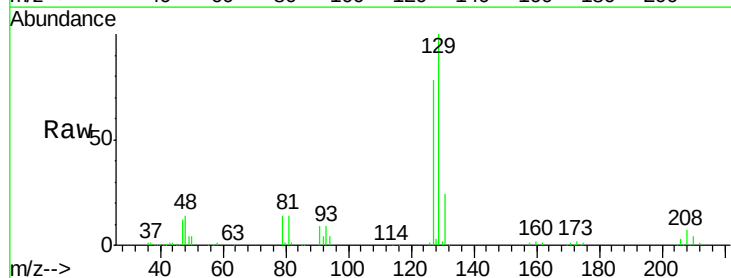


Abundance Ion 43.00 (42.70 to 43.70): VU023682.D (-2407) (-)
Ion 58.00 (57.70 to 58.70): VU023682.D (-2407) (-)
Ion 57.00 (56.70 to 57.70): VU023682.D (-2407) (-)
Ion 100.00 (99.70 to 100.70): VU023682.D (-2407) (-)

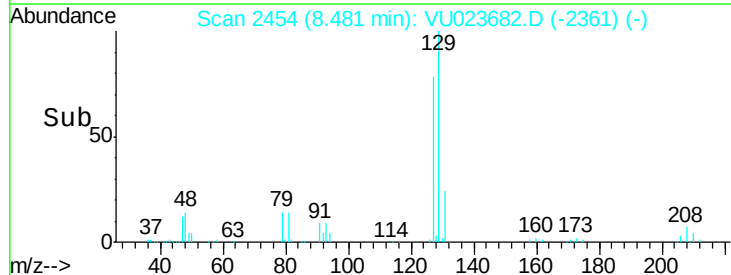
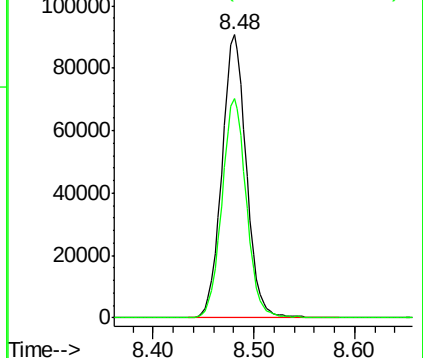


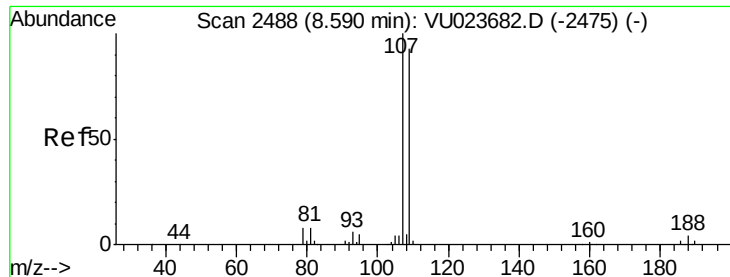
#49
Dibromochloromethane
Concen: 47.049 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tgt Ion:	129	Resp:	153826
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.3	99.1



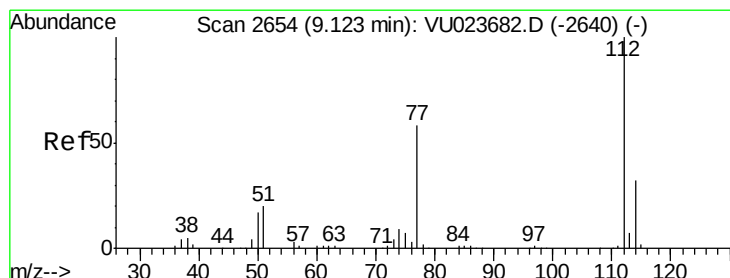
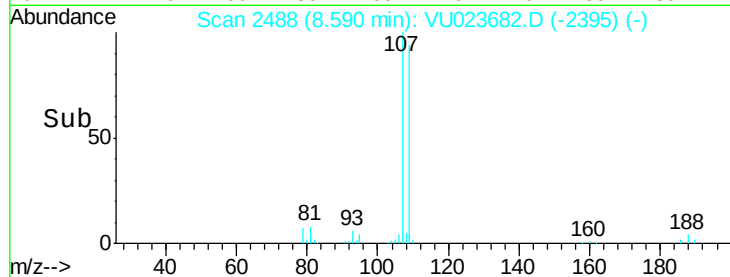
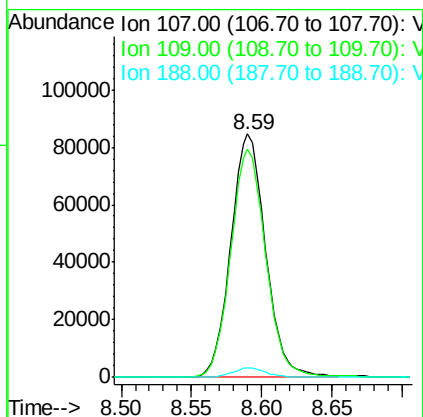
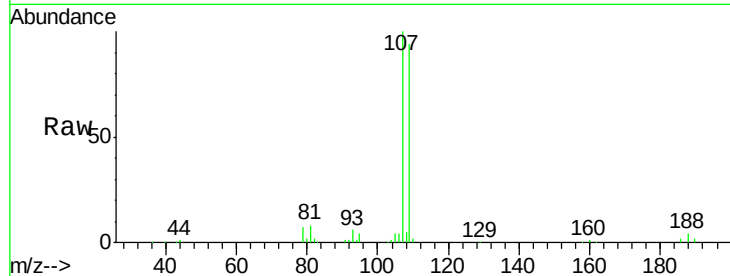
Abundance Ion 129.00 (128.70 to 129.70): VU023682.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU023682.D (-2441) (-)





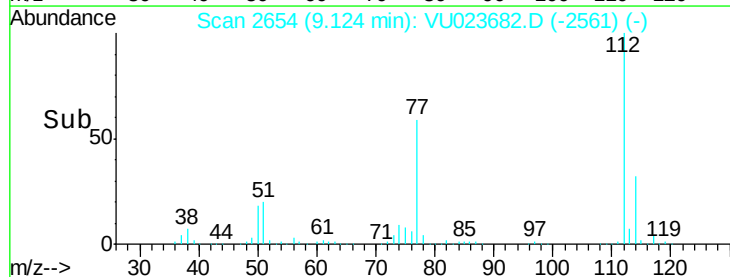
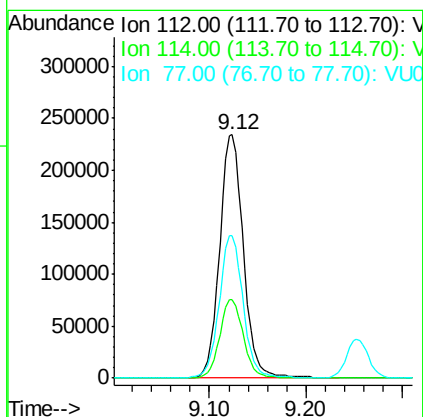
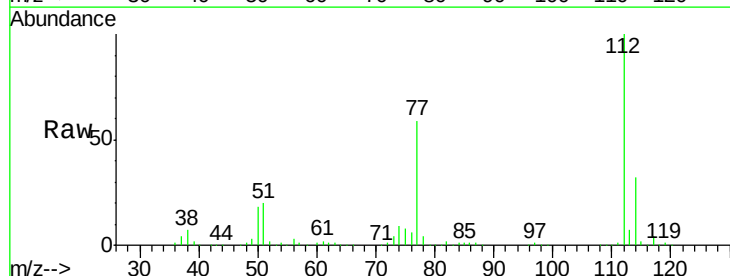
#50
1,2-Dibromoethane
Concen: 46.661 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

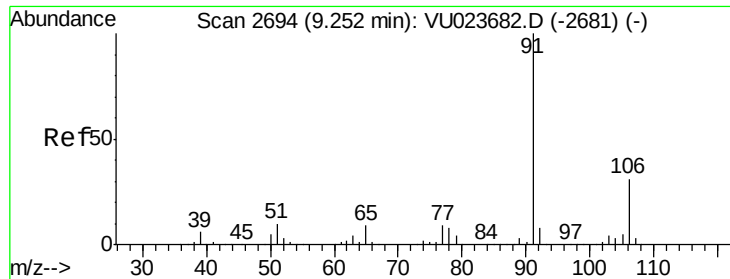
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	66.1	122.7
188	3.9	3.2	4.8



#51
Chlorobenzene
Concen: 45.337 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.3
77	58.6	47.5	71.3





#52

Ethylbenzene

Concen: 47.123 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU023682.D

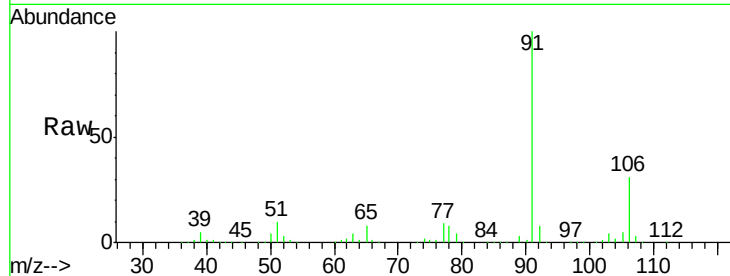
Acq: 07 May 2018 10:29

Tot Ion: 91 Resp: 674843

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU023682.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU023682.D (-2681) (-)

9.25

400000

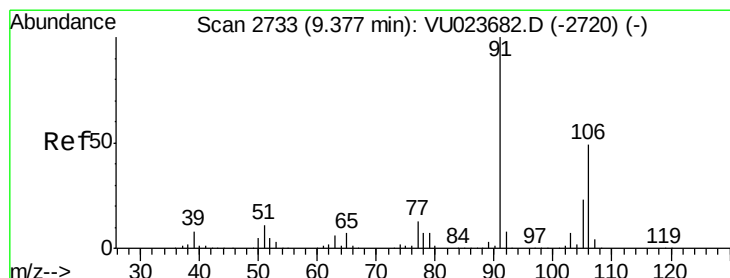
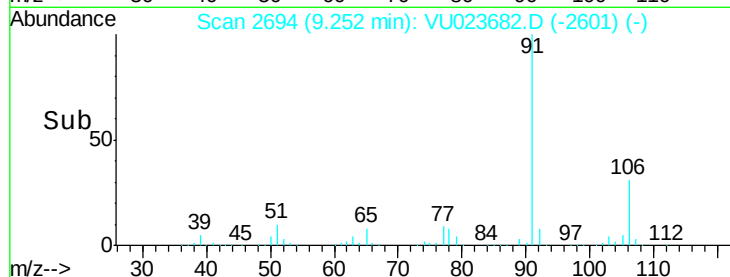
300000

200000

100000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 47.551 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023682.D

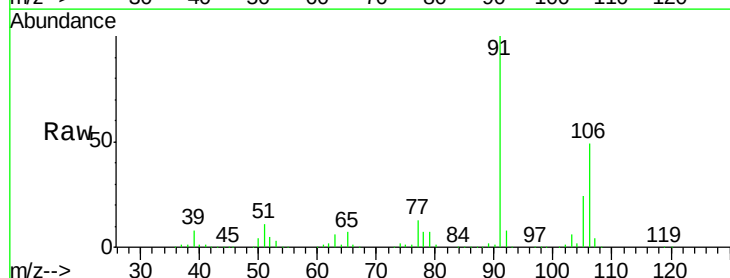
Acq: 07 May 2018 10:29

Tgt Ion: 106 Resp: 259735

Ion Ratio Lower Upper

106 100

91 203.9 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU023682.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU023682.D (-2720) (-)

9.38

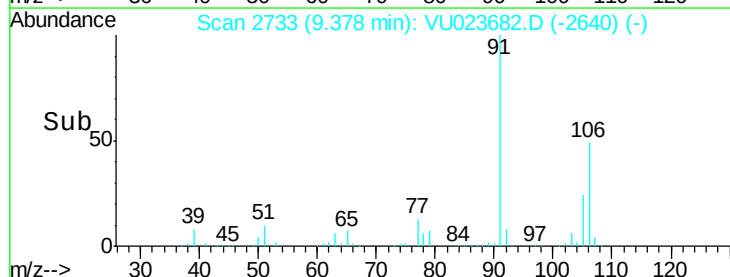
300000

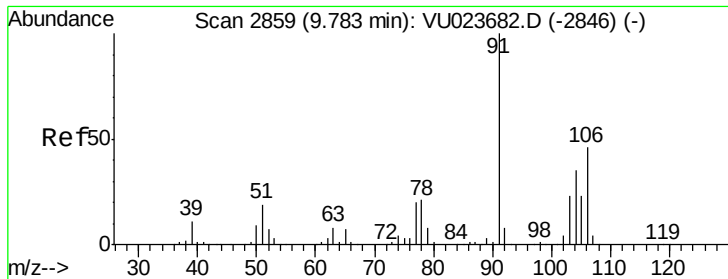
200000

100000

0

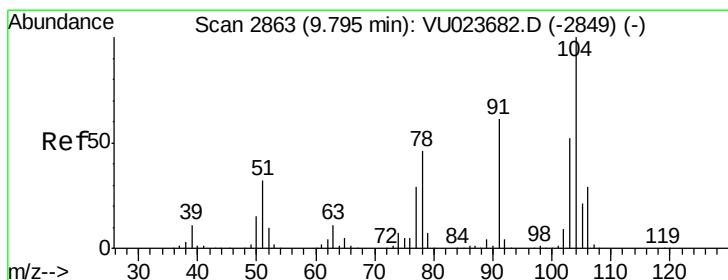
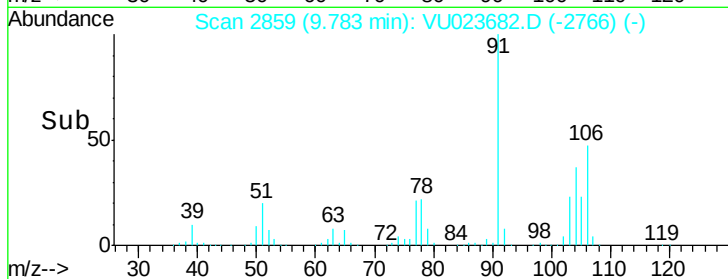
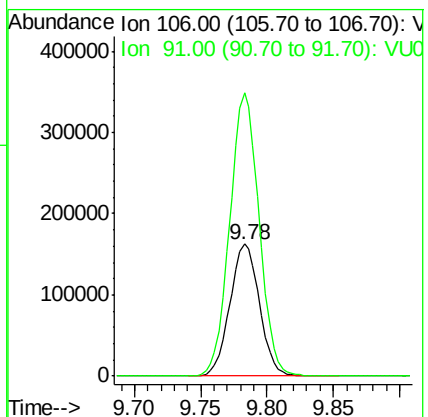
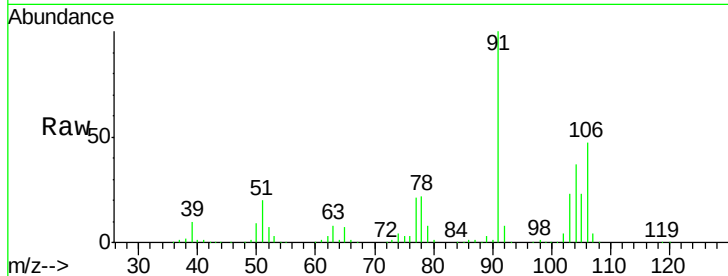
Time--> 9.30 9.35 9.40 9.45





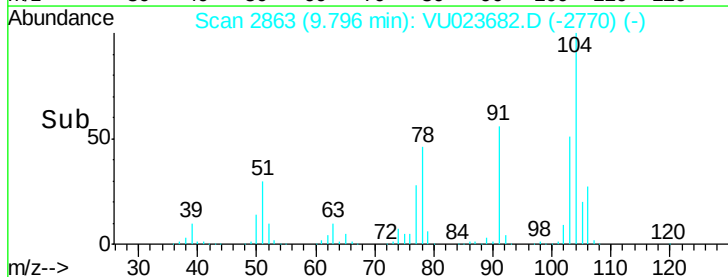
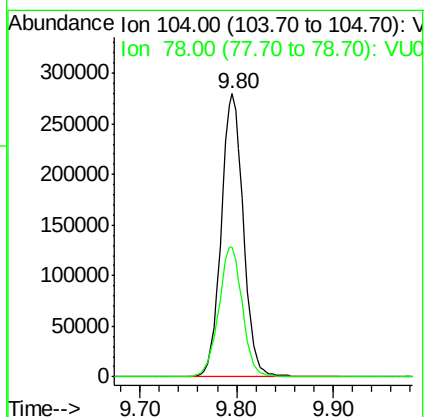
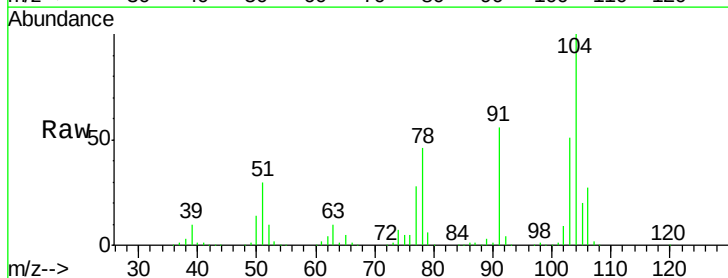
#54
o-xylene
Concen: 48.639 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

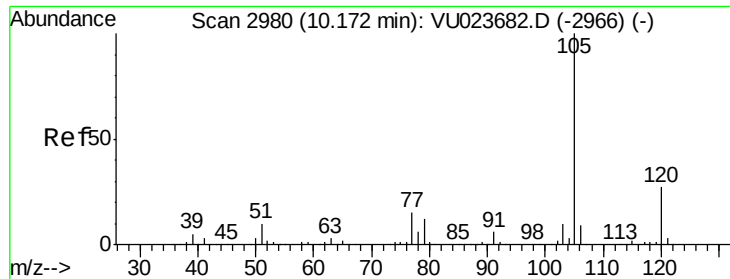
Tot Ion:106 Resp: 251715
Ion Ratio Lower Upper
106 100
91 214.0 148.9 276.5



#55
Styrene
Concen: 49.007 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tgt Ion:104 Resp: 443685
Ion Ratio Lower Upper
104 100
78 45.8 32.1 59.7





#56

Isopropylbenzene

Concen: 48.767 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

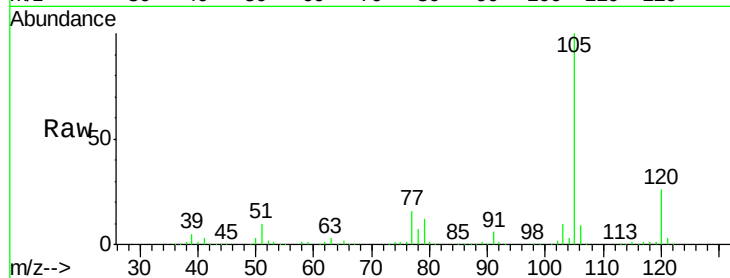
Tot Ion:105 Resp: 662362

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

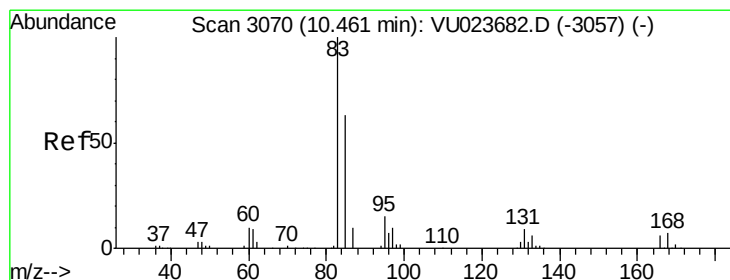
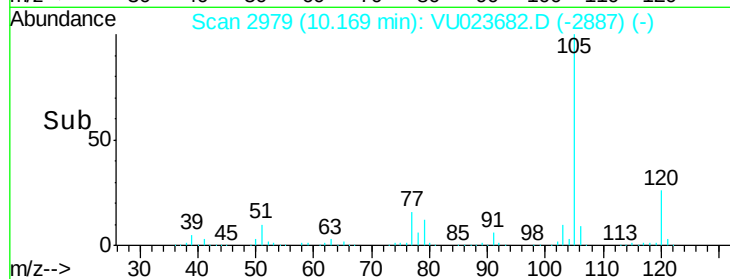
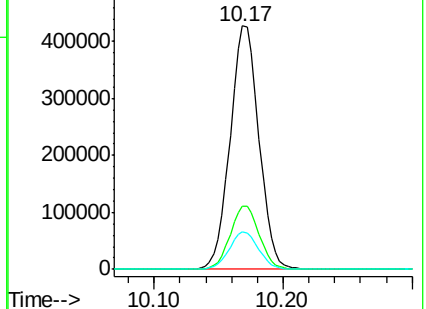
77 15.5 12.6 18.8



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: 46.418 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

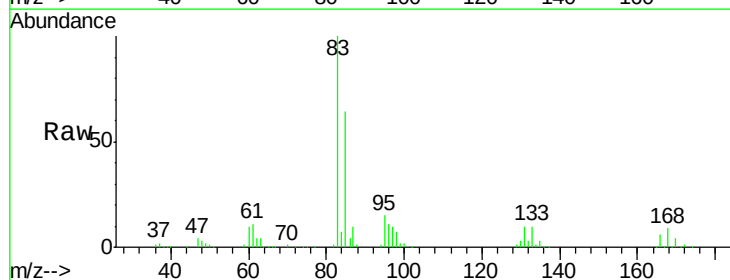
Tgt Ion: 83 Resp: 236548

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6

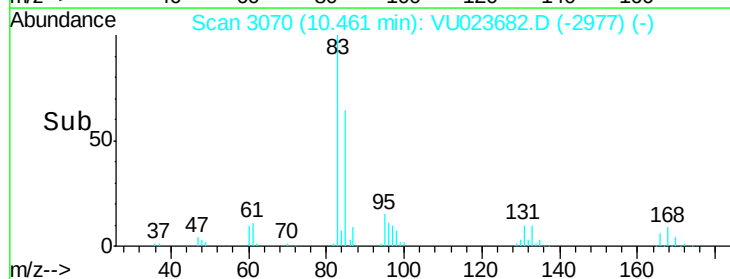
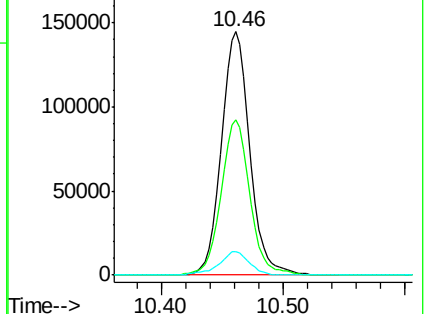
131 9.9 7.9 11.9

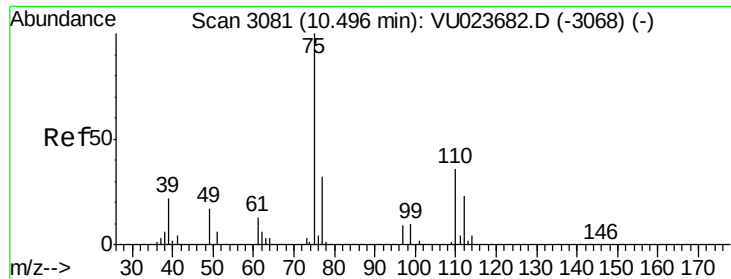


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

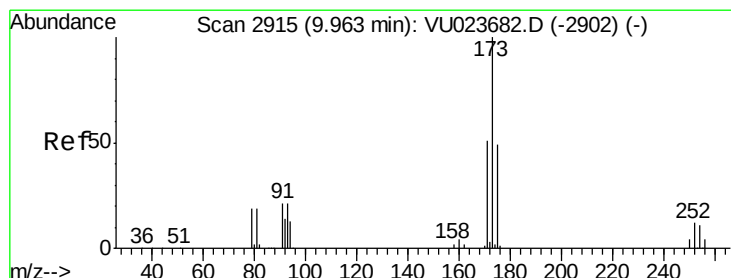
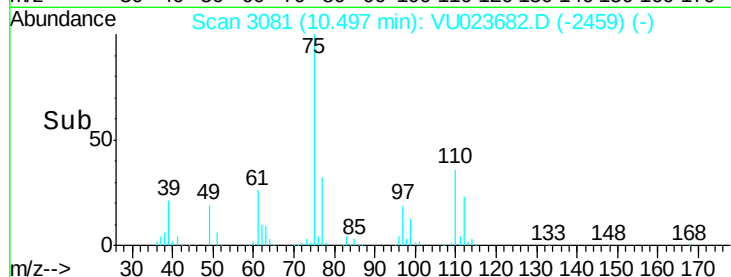
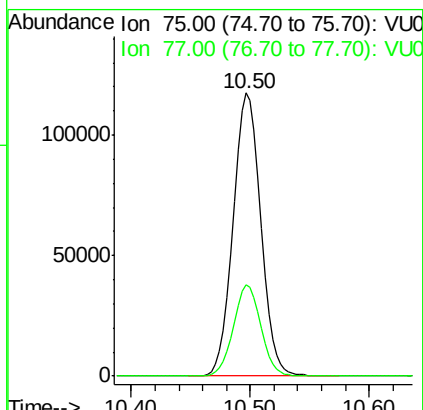
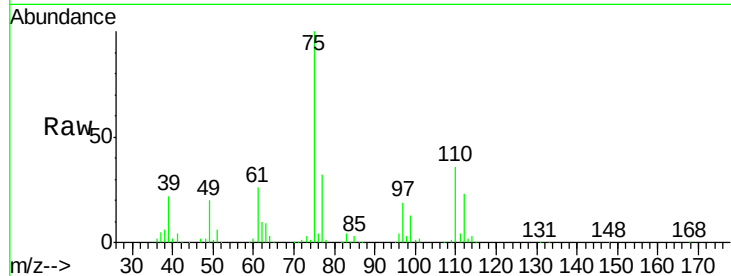
Ion 131.00 (130.70 to 131.70): V





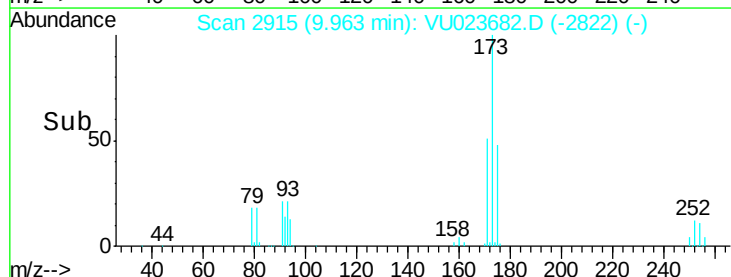
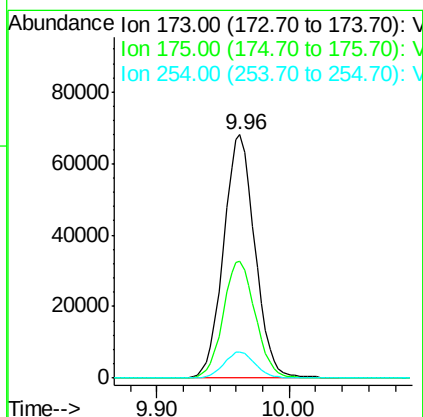
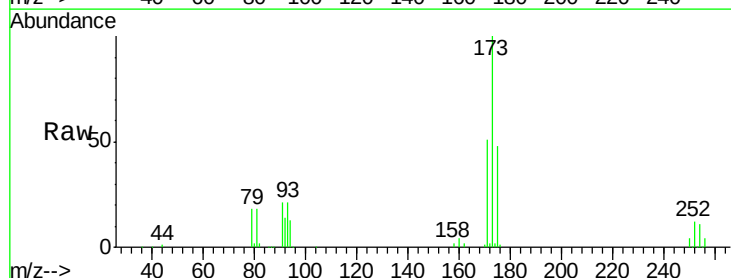
#59
 1,2,3-Trichloropropane
 Concen: 46.905 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

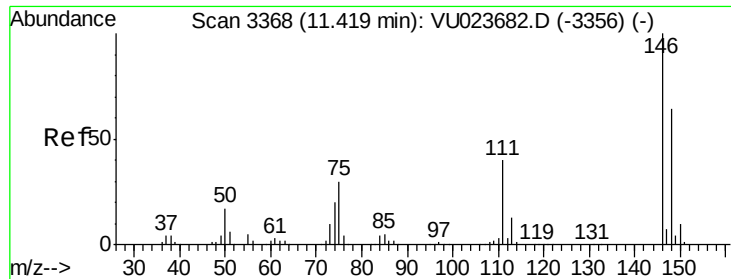
Tot Ion: 75 Resp: 189176
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.9 38.9



#61
 Bromoform
 Concen: 46.531 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

Tgt Ion: 173 Resp: 111813
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.0 58.4
 254 10.7 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 46.308 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

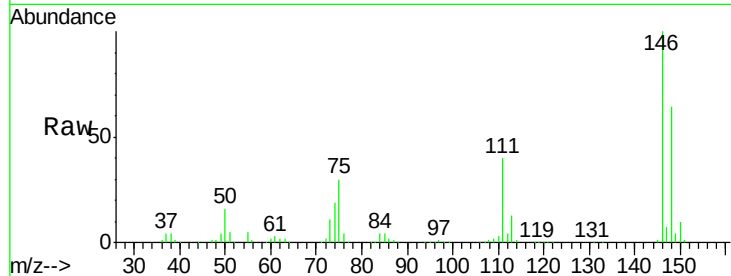
Tot Ion:146 Resp: 319204

Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.7

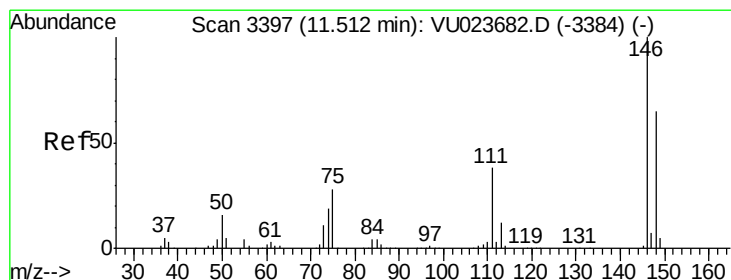
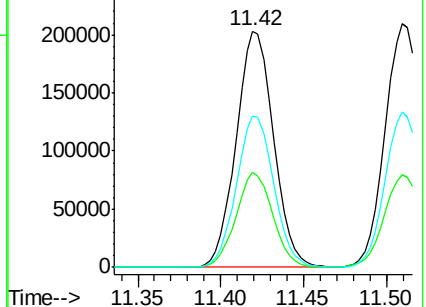
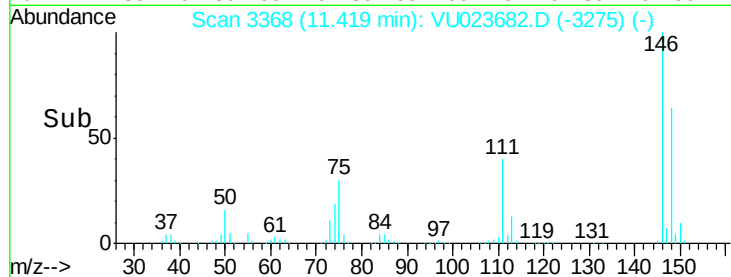
148 64.2 44.4 82.5



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: 46.003 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

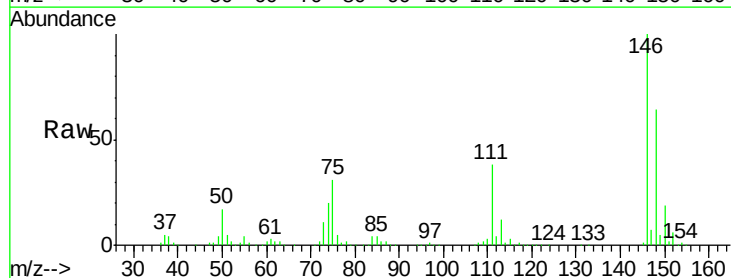
Tgt Ion:146 Resp: 331084

Ion Ratio Lower Upper

146 100

111 37.9 26.8 49.8

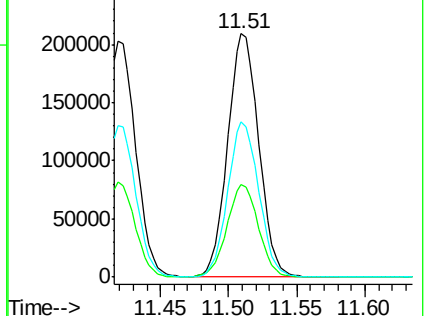
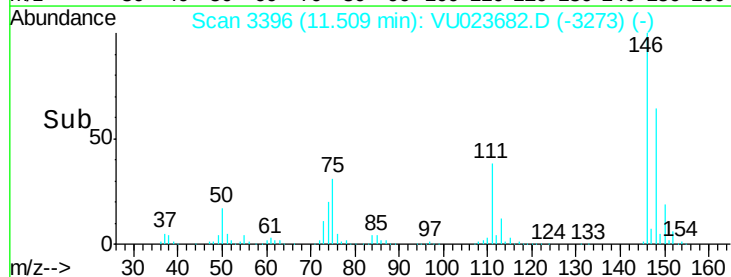
148 63.8 44.8 83.2

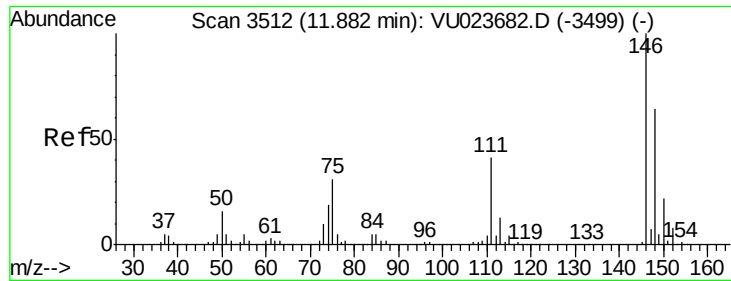


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.199 ug/L

RT: 11.88 min Scan# 3512

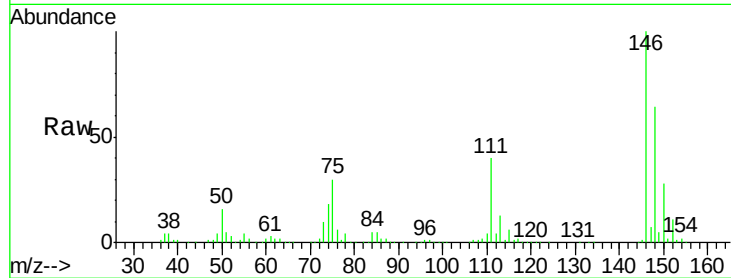
Delta R.T. 0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

Tot Ion:146 Resp: 325778

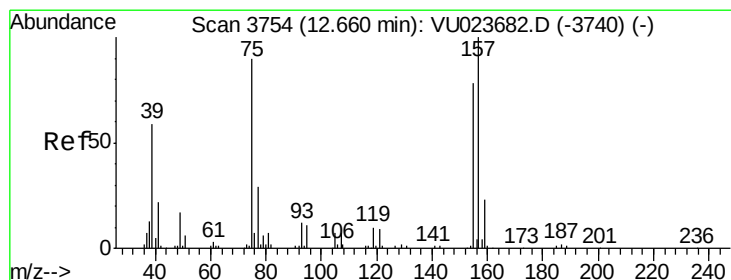
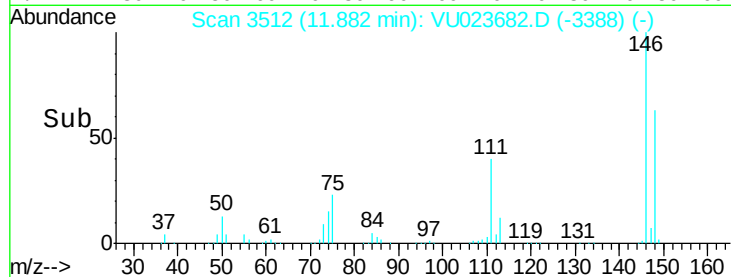
Ion	Ratio	Lower	Upper
146	100		
111	40.5	32.9	49.3
148	63.5	51.0	76.4



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: 47.433 ug/L

RT: 12.66 min Scan# 3754

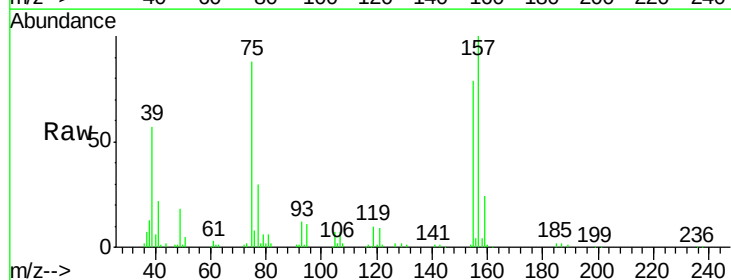
Delta R.T. 0.00 min

Lab File: VU023682.D

Acq: 07 May 2018 10:29

Tgt Ion: 75 Resp: 48567

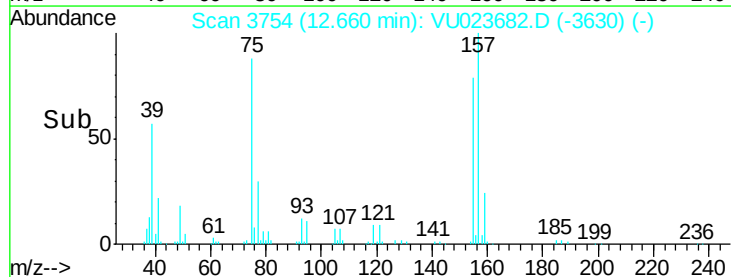
Ion	Ratio	Lower	Upper
75	100		
155	89.4	68.9	103.3
157	113.7	89.9	134.9

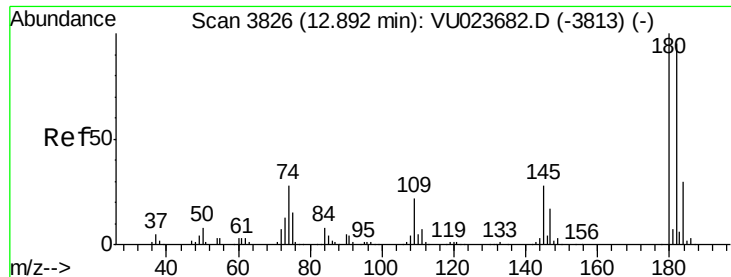


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

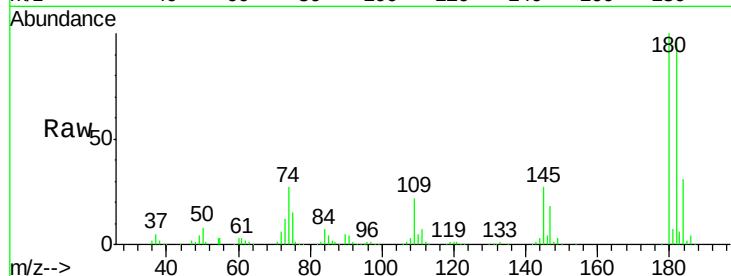
Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 45.671 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.5	114.7
184	30.8	24.1	36.1
145	27.7	22.2	33.4

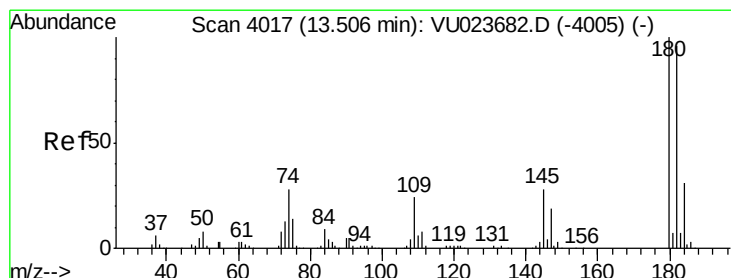
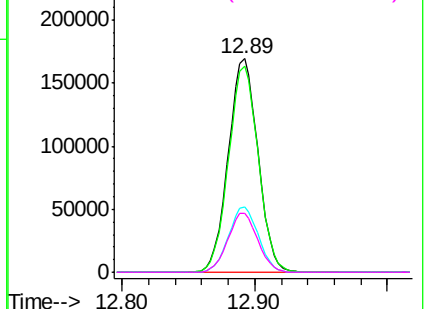
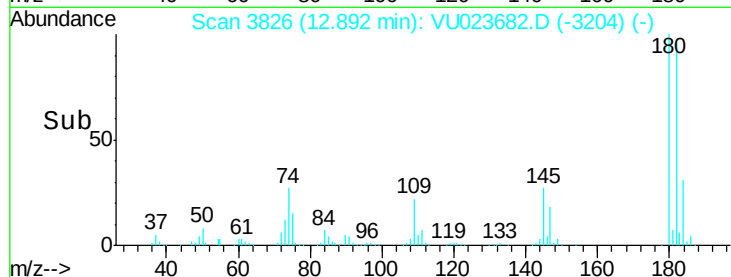


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

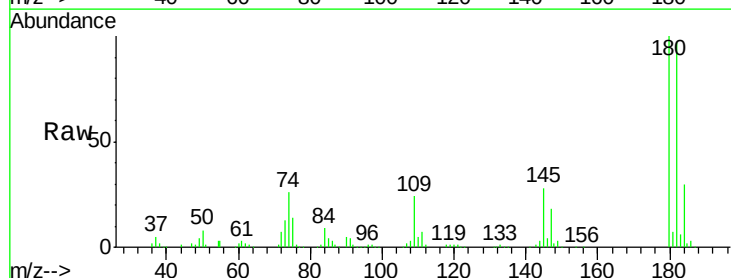
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.904 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU023682.D
 Acq: 07 May 2018 10:29

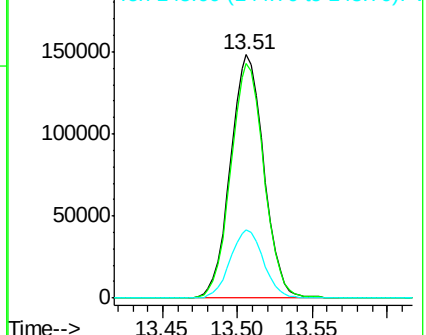
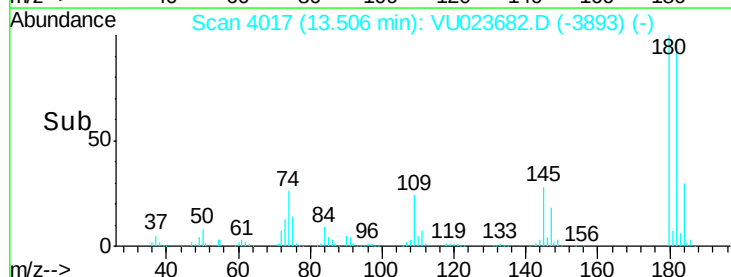
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.1	115.7
145	28.1	23.4	35.0

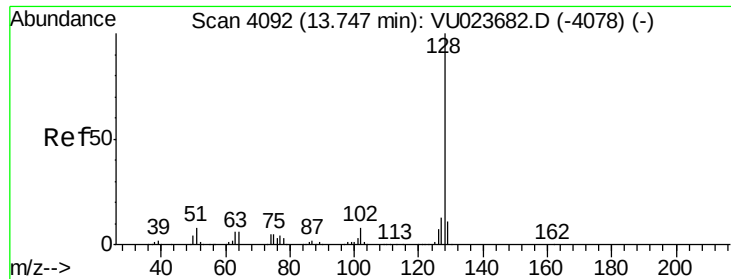


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

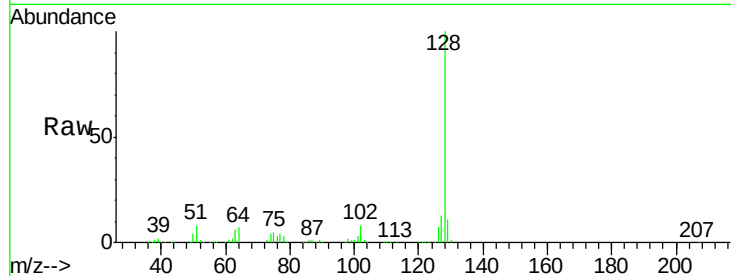
Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 49.720 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

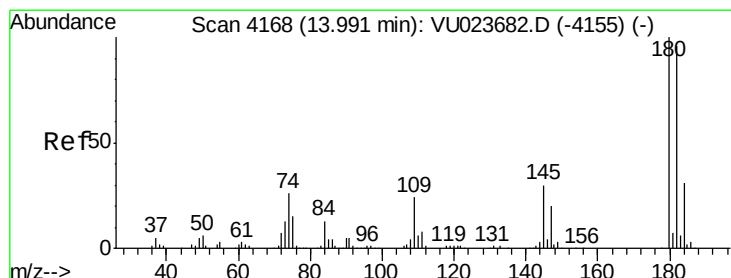
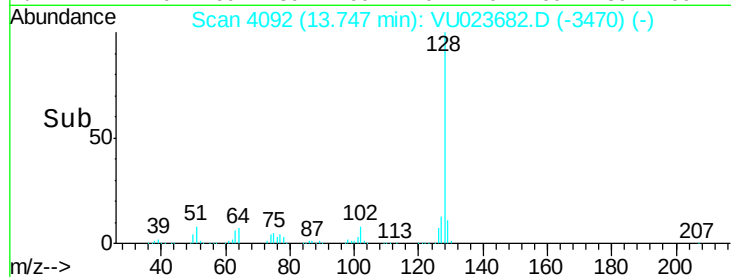
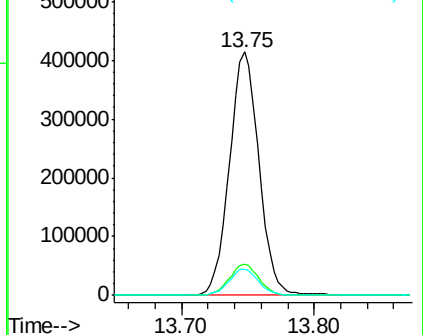
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

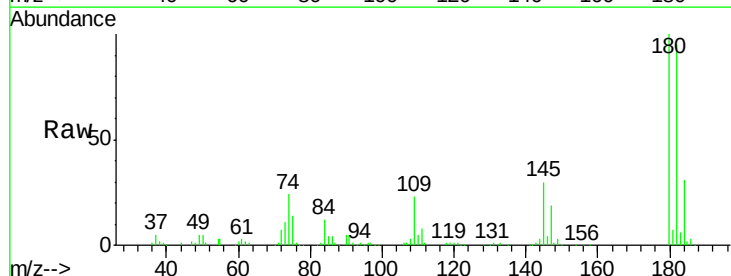
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 47.022 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023682.D
Acq: 07 May 2018 10:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	30.1	24.3	36.5



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

