

Data File : VU023567.D
Acq On : 01 May 2018 21:08
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 02 03:17:42 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	341948	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	325446	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	170541	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106857	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.68	69	83296	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.18%
11) 1,1-Dichloroethene-d2	2.27	63	219940	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
21) 2-Butanone-d5	4.18	46	191121	114.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.14%
24) Chloroform-d	4.65	84	207688	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
26) 1,2-Dichloroethane-d4	5.31	65	133826	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
32) Benzene-d6	5.35	84	423688	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
36) 1,2-Dichloropropane-d6	6.34	67	143517	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.14%
41) Toluene-d8	7.57	98	397858	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%
43) trans-1,3-Dichloropropene-	7.85	79	63721	50.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.22%
47) 2-Hexanone-d5	8.31	63	139919	125.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.98%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	194925	51.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	160346	48.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	162673	44.06	ug/L	99
3) Chloromethane	1.33	50	179737	45.38	ug/L	100
5) Vinyl chloride	1.40	62	166631	44.42	ug/L	96
6) Bromomethane	1.63	94	89095	44.32	ug/L	99
8) Chloroethane	1.70	64	96200	42.44	ug/L	99
9) Trichlorofluoromethane	1.89	101	189027	44.78	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	122331	45.96	ug/L	99
12) 1,1-Dichloroethene	2.28	96	114803	46.00	ug/L	97
13) Acetone	2.32	43	163394	65.68	ug/L	99
14) Carbon disulfide	2.48	76	383228	44.55	ug/L	99
15) Methyl Acetate	2.62	43	170836	51.84	ug/L	99
16) Methylene chloride	2.70	84	141642	45.47	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	125689	46.03	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	394056	48.82	ug/L	100
19) 1,1-Dichloroethane	3.45	63	250568	46.24	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	141517	46.69	ug/L	97
22) 2-Butanone	4.27	43	239933	86.72	ug/L	99

Data File : VU023567.D
Acq On : 01 May 2018 21:08
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

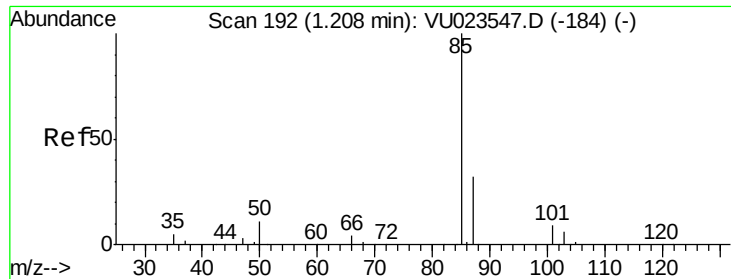
Quant Time: May 02 03:17:42 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	70191	46.14	ug/L	97
25) Chloroform	4.68	83	240984	43.36	ug/L	98
27) 1,2-Dichloroethane	5.41	62	193390	46.93	ug/L	99
29) Cyclohexane	5.00	56	234920	48.84	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	193877	47.03	ug/L	99
31) Carbon tetrachloride	5.14	117	167749	46.83	ug/L	100
33) Benzene	5.39	78	548831	47.86	ug/L	100
34) Trichloroethene	6.19	95	149258	50.80	ug/L	99
35) Methylcyclohexane	6.42	83	217919	47.41	ug/L	100
37) 1,2-Dichloropropane	6.44	63	155082	47.18	ug/L	99
38) Bromodichloromethane	6.76	83	177236	47.79	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	220791	48.75	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	446820	111.34	ug/L	99
42) Toluene	7.64	91	571280	48.06	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	198829	49.20	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	132366	47.40	ug/L	99
46) Tetrachloroethene	8.23	164	109273	45.63	ug/L	98
48) 2-Hexanone	8.36	43	343251	98.21	ug/L	99
49) Dibromochloromethane	8.48	129	140677	47.82	ug/L	98
50) 1,2-Dibromoethane	8.59	107	137234	48.66	ug/L	100
51) Chlorobenzene	9.12	112	372543	47.04	ug/L	99
52) Ethylbenzene	9.25	91	630012	48.90	ug/L	100
53) m,p-Xylene	9.38	106	240639	48.96	ug/L	99
54) o-xylene	9.78	106	230622	49.53	ug/L	97
55) Styrene	9.80	104	405985	49.84	ug/L	100
56) Isopropylbenzene	10.17	105	608243	49.77	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	228368	49.81	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	182083	50.18	ug/L	98
61) Bromoform	9.96	173	102707	47.91	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	286616	46.61	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	297204	46.29	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	294524	46.81	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	49441	54.12	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	234834	45.59	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	210546	48.12	ug/L	100
69) Naphthalene	13.75	128	651625	56.76	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	222211	49.85	ug/L	100

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

ALS Vial : 24 Sample Multiplier: 1

Response via : Initial Calibration



#2

Dichlorodifluoromethane

Concen: 44.06 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU023567.D

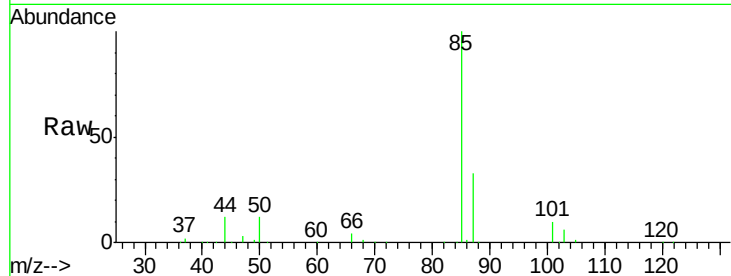
Acq: 01 May 2018 21:08

Tgt Ion: 85 Resp: 162673

Ion Ratio Lower Upper

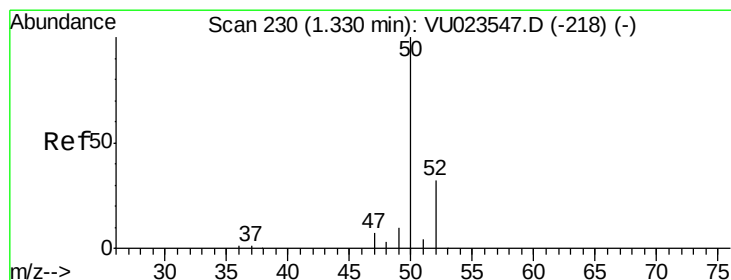
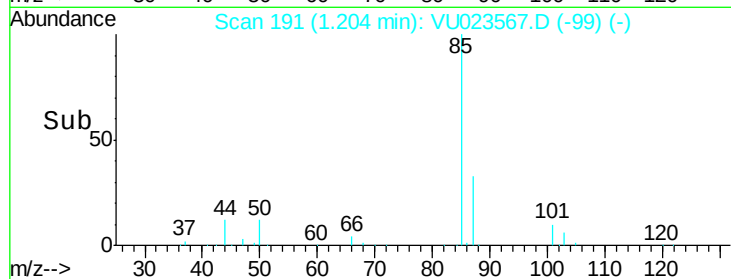
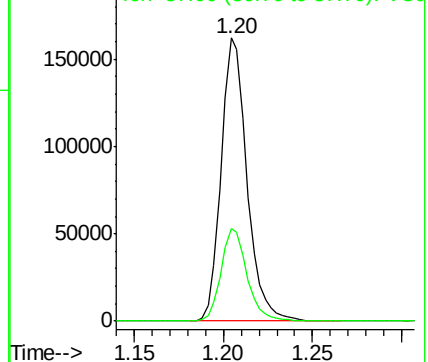
85 100

87 32.7 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: 45.38 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023567.D

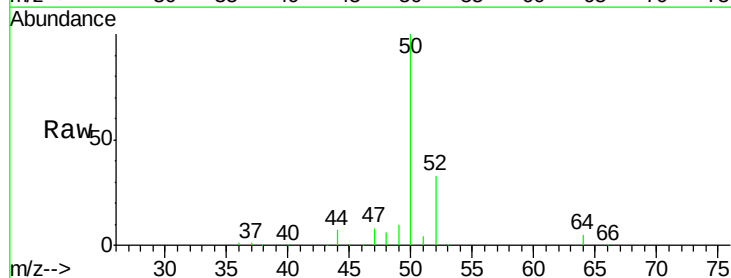
Acq: 01 May 2018 21:08

Tgt Ion: 50 Resp: 179737

Ion Ratio Lower Upper

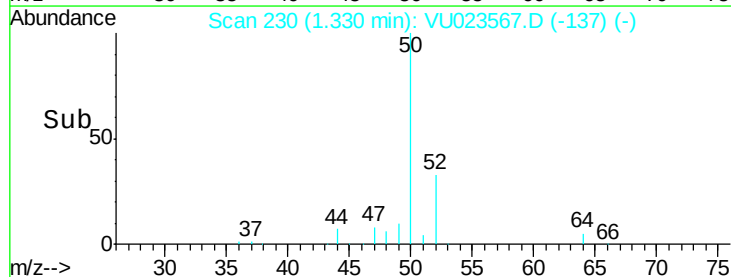
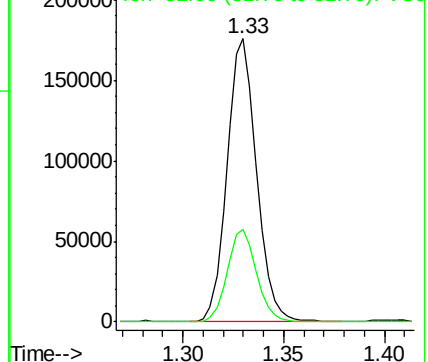
50 100

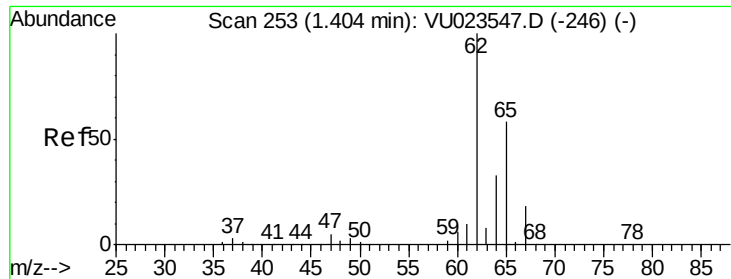
52 32.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 44.42 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023567.D

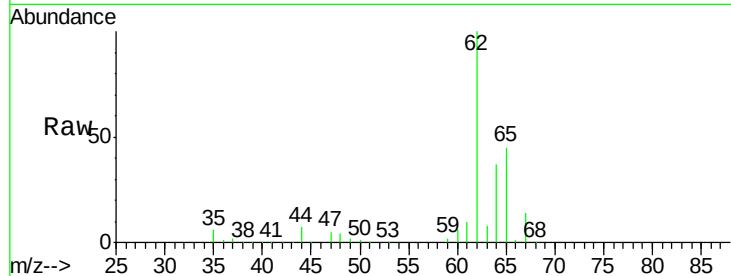
Acq: 01 May 2018 21:08

Tgt Ion: 62 Resp: 166631

Ion Ratio Lower Upper

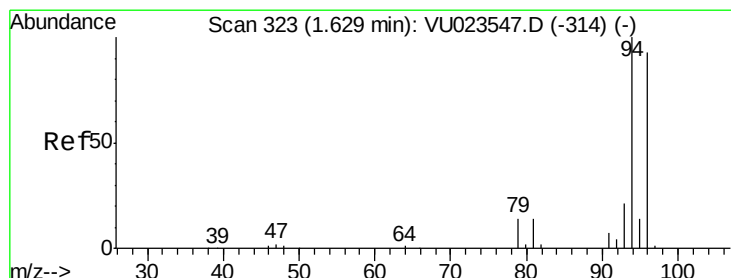
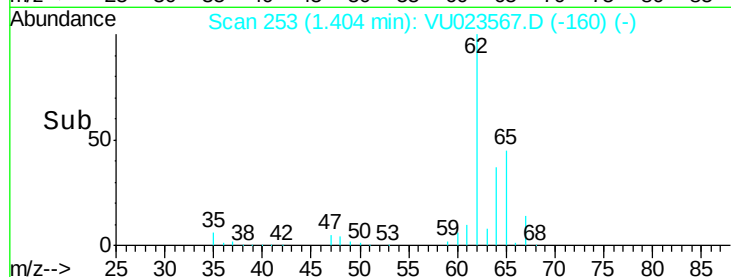
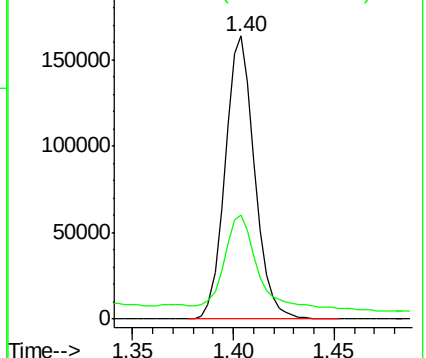
62 100

64 36.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 44.32 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU023567.D

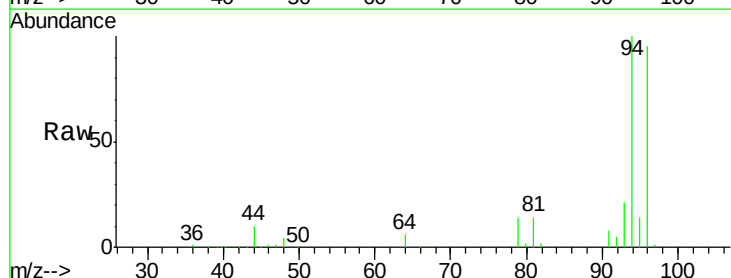
Acq: 01 May 2018 21:08

Tgt Ion: 94 Resp: 89095

Ion Ratio Lower Upper

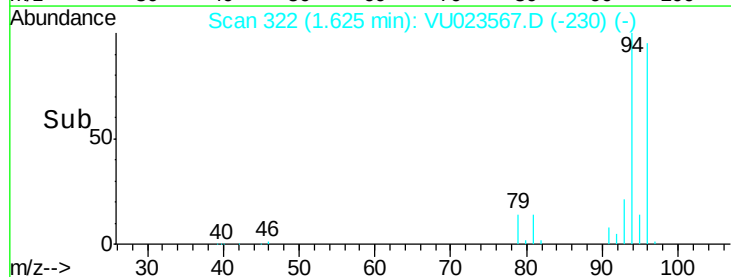
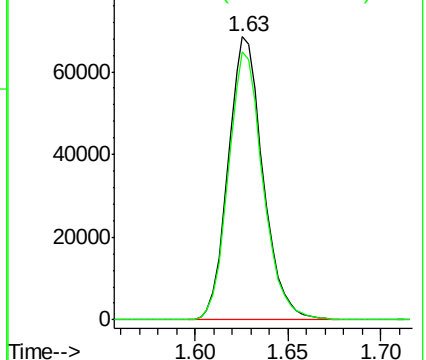
94 100

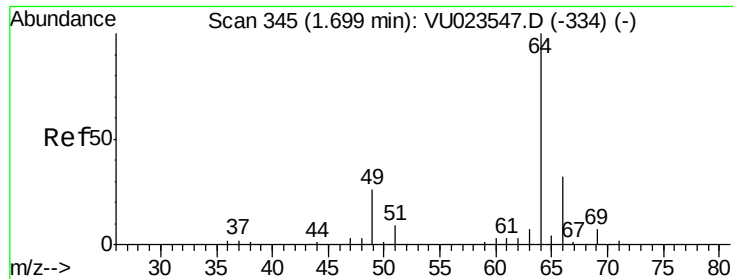
96 94.6 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

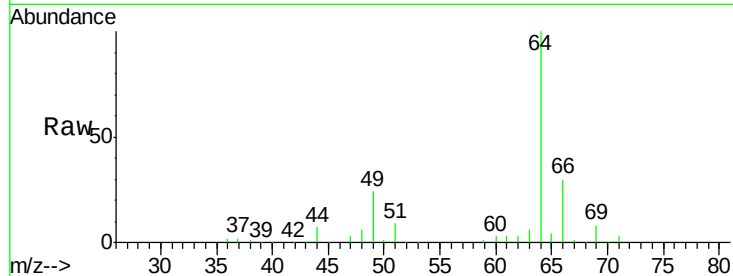
Ion 96.00 (95.70 to 96.70): VU0



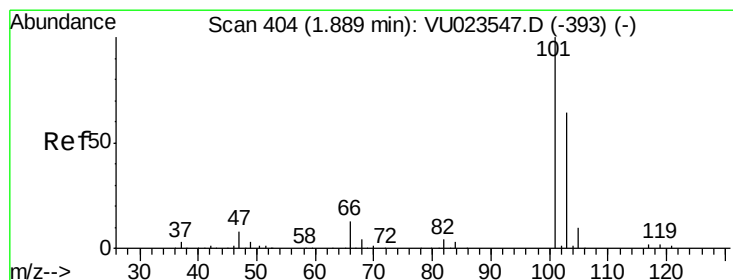
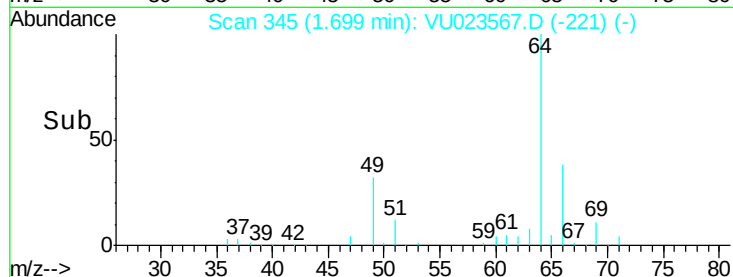
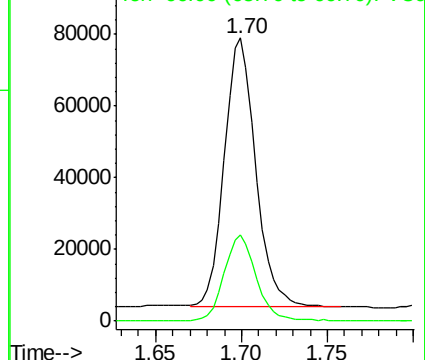


#8
Chloroethane
Concen: 42.44 ug/L
RT: 1.70 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion: 64 Resp: 96200
Ion Ratio Lower Upper
64 100
66 30.3 21.7 40.3

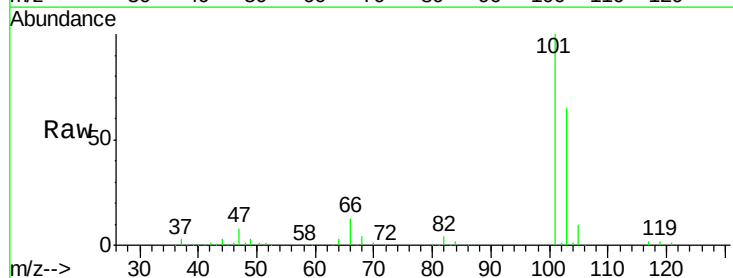


Abundance Ion 64.00 (63.70 to 64.70): VU023567.D (-334) (-)
Ion 66.00 (65.70 to 66.70): VU023567.D (-334) (-)

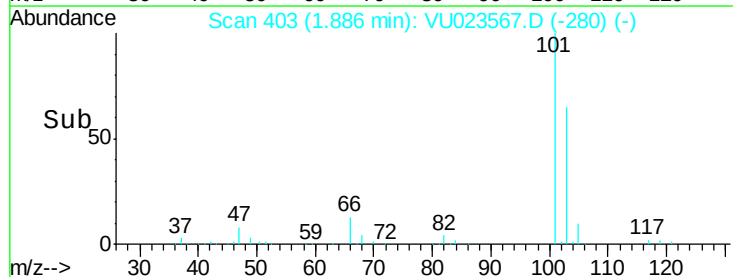
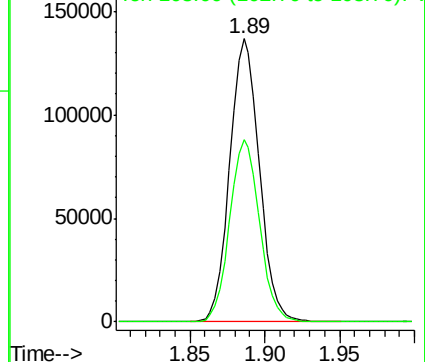


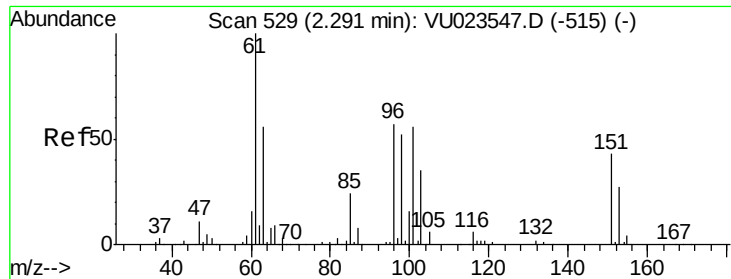
#9
Trichlorofluoromethane
Concen: 44.78 ug/L
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion: 101 Resp: 189027
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU023567.D (-393) (-)
Ion 103.00 (102.70 to 103.70): VU023567.D (-393) (-)





#10

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

Concen: 45.96 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

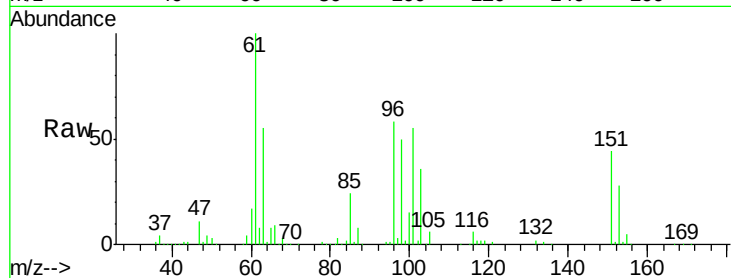
Tgt Ion: 101 Resp: 122331

Ion Ratio Lower Upper

101 100

85 42.7 34.9 52.3

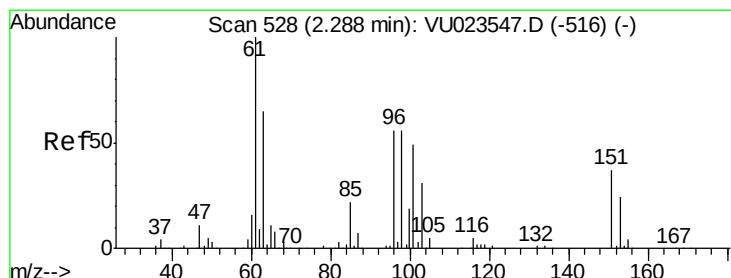
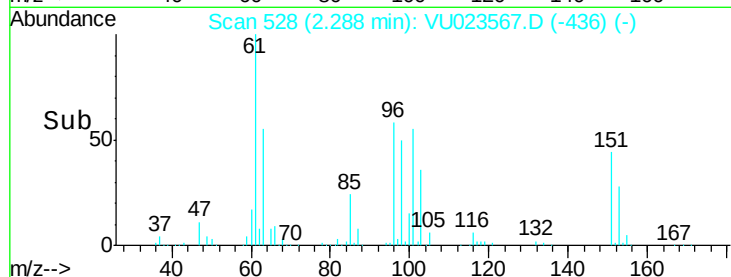
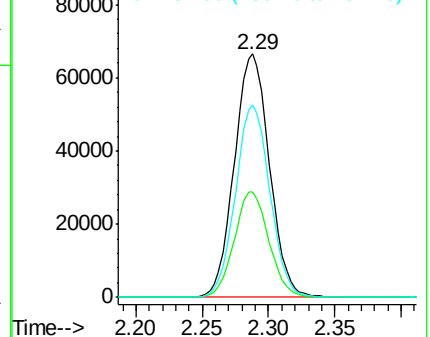
151 77.5 61.0 91.6



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: 46.00 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

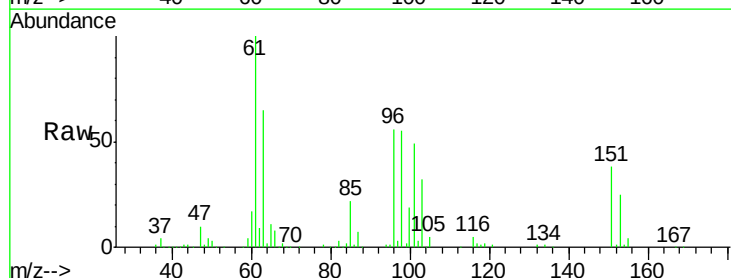
Tgt Ion: 96 Resp: 114803

Ion Ratio Lower Upper

96 100

61 177.3 125.9 233.7

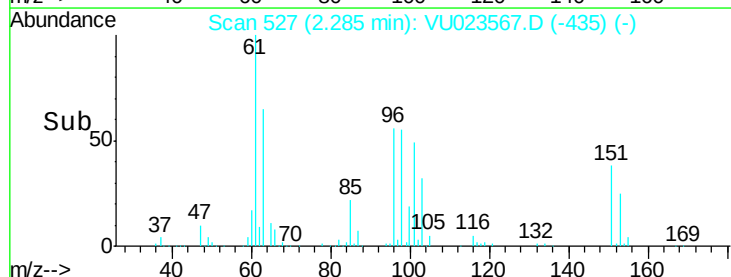
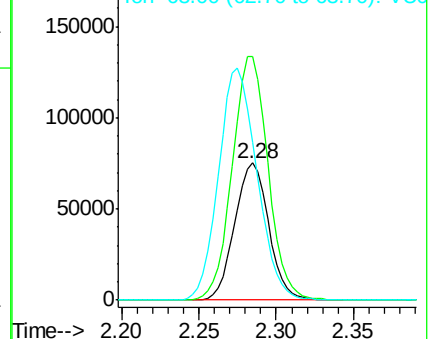
63 114.8 84.8 157.6

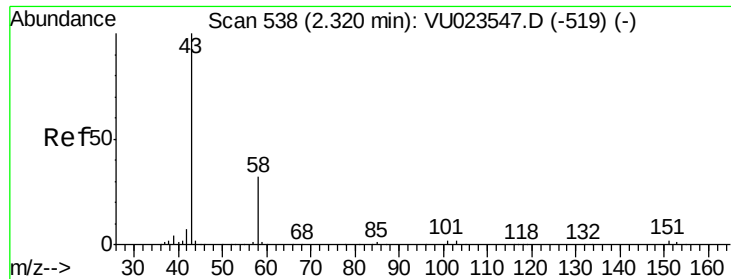


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 65.68 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023567.D

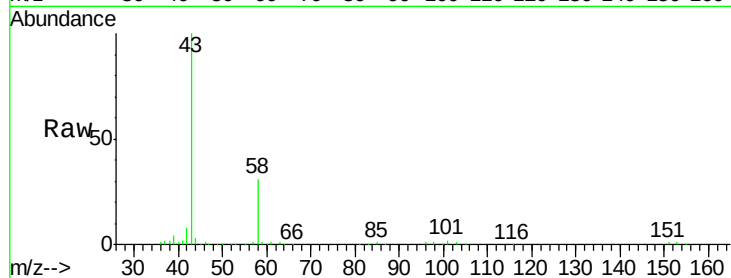
Acq: 01 May 2018 21:08

Tgt Ion: 43 Resp: 163394

Ion Ratio Lower Upper

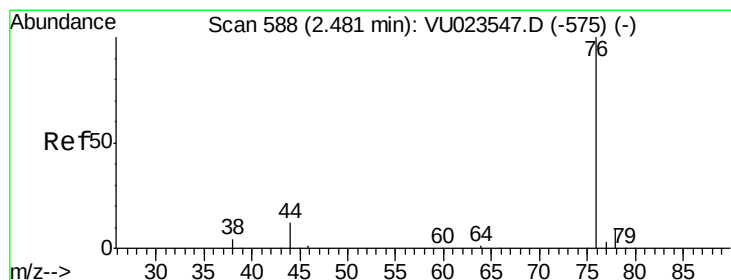
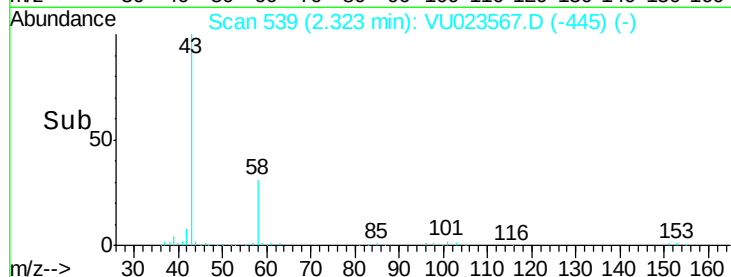
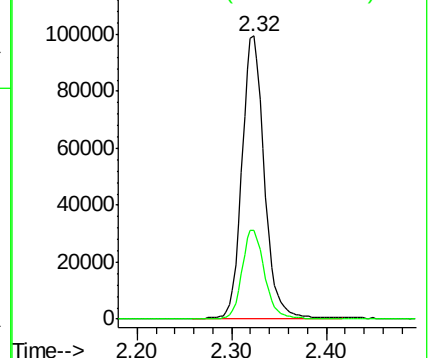
43 100

58 31.8 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 44.55 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU023567.D

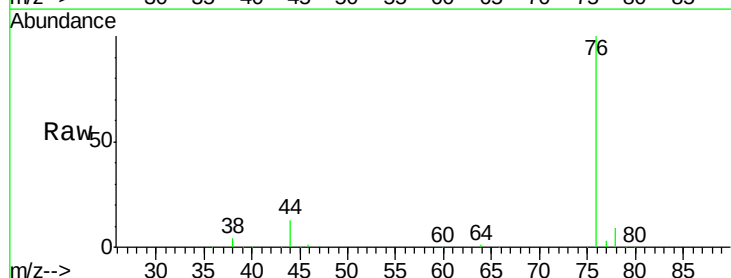
Acq: 01 May 2018 21:08

Tgt Ion: 76 Resp: 383228

Ion Ratio Lower Upper

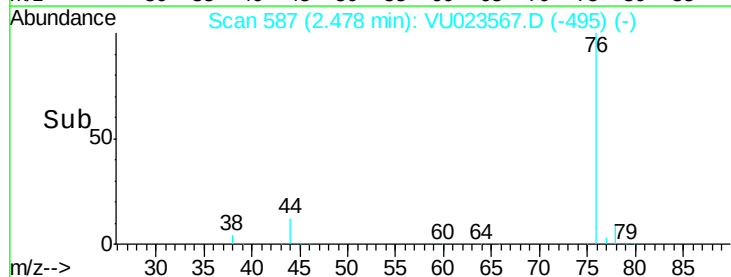
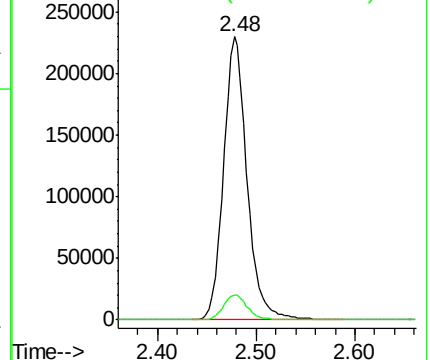
76 100

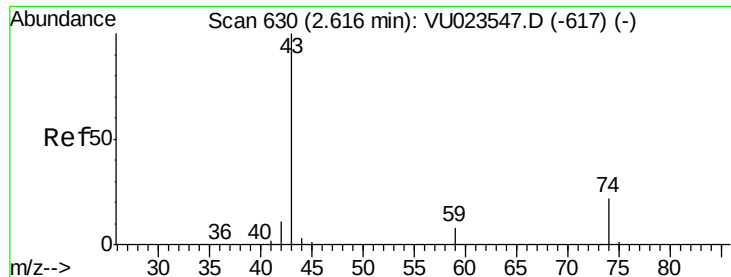
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

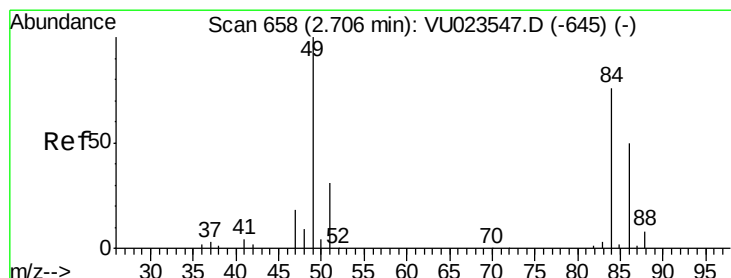
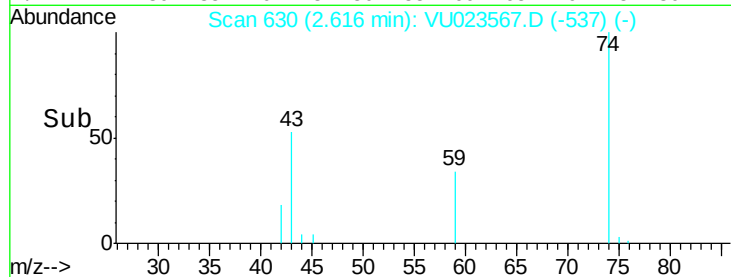
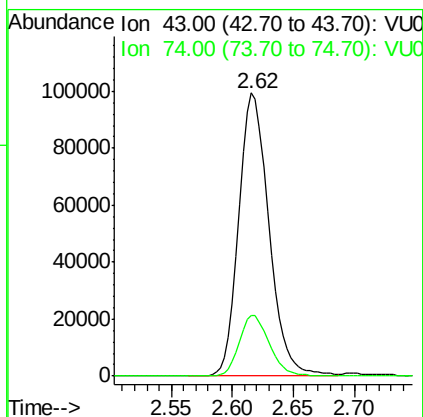
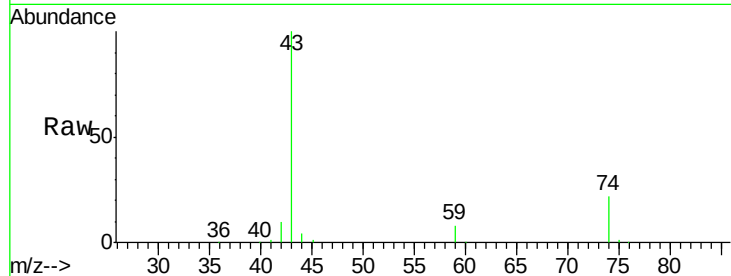
Ion 78.00 (77.70 to 78.70): VU0





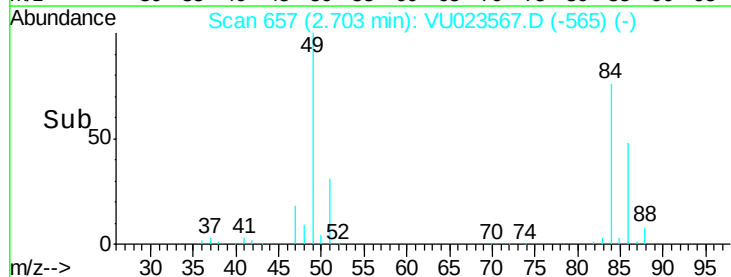
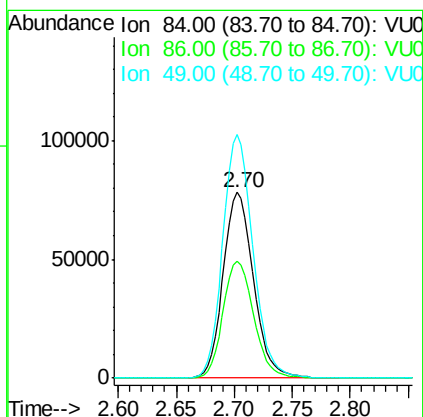
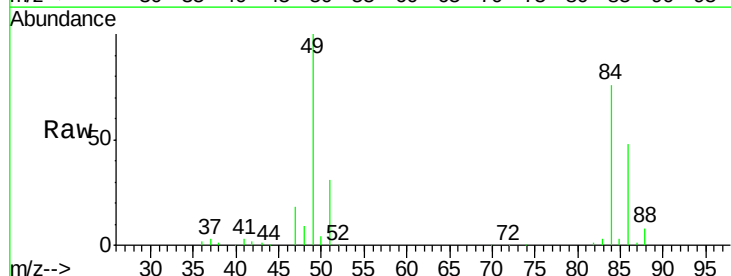
#15
Methyl Acetate
Concen: 51.84 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

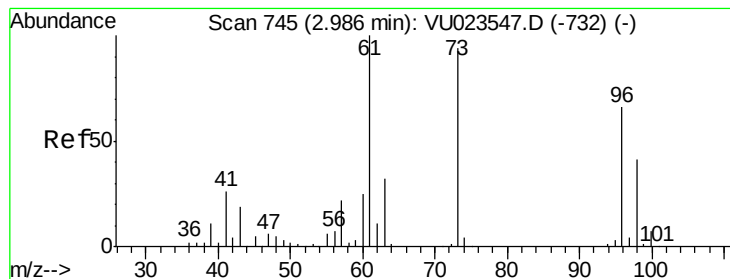
Tgt Ion: 43 Resp: 170836
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3



#16
Methylene chloride
Concen: 45.47 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion: 84 Resp: 141642
Ion Ratio Lower Upper
84 100
86 62.7 45.6 84.8
49 131.0 91.9 170.7





#17

trans-1,2-Dichloroethene

Concen: 46.03 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

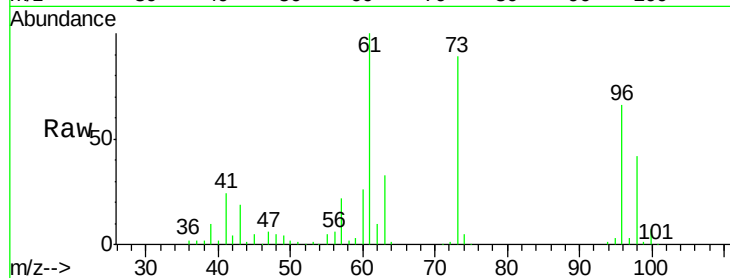
Tgt Ion: 96 Resp: 125689

Ion Ratio Lower Upper

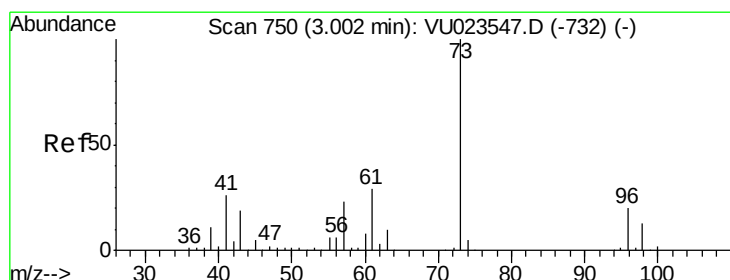
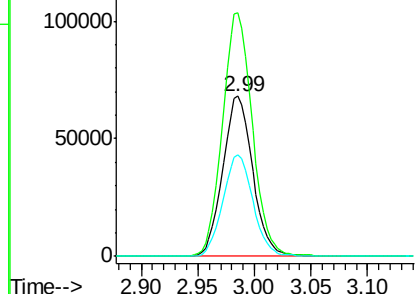
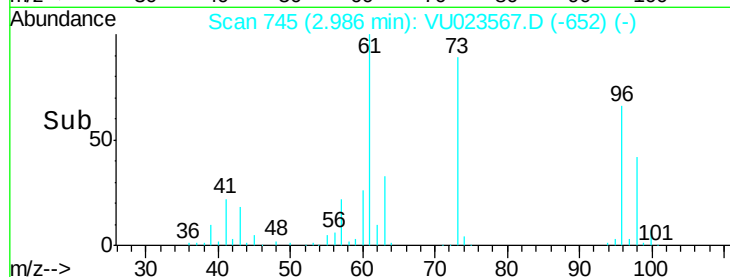
96 100

61 152.0 106.9 198.5

98 63.8 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: 48.82 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

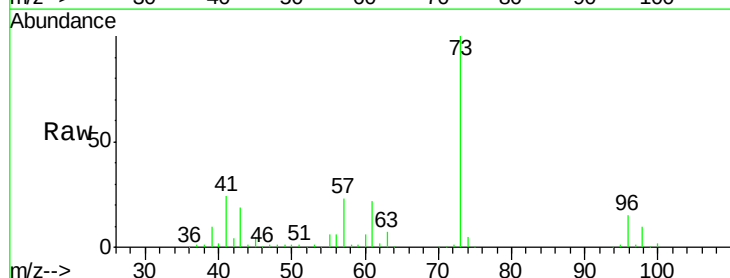
Tgt Ion: 73 Resp: 394056

Ion Ratio Lower Upper

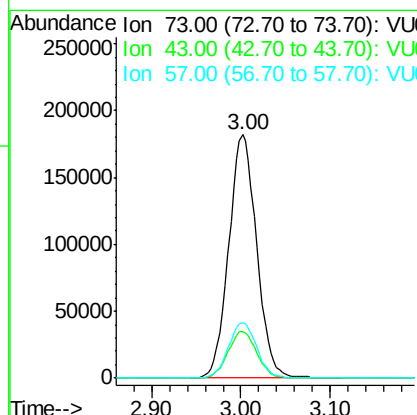
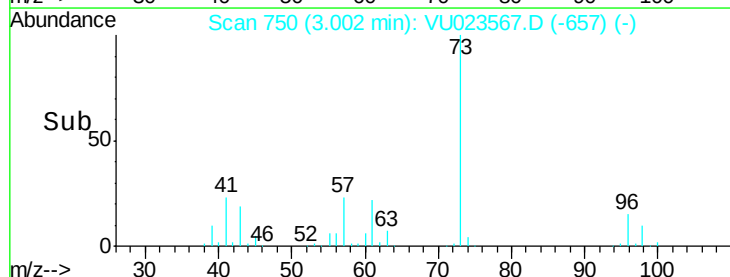
73 100

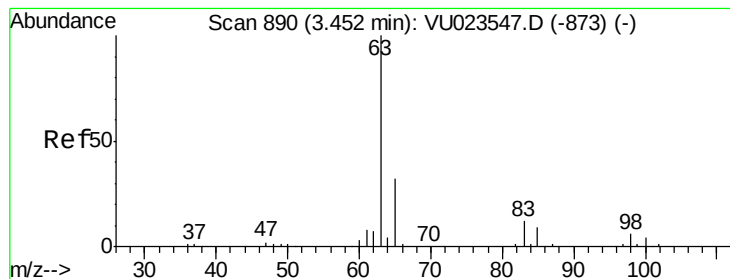
43 19.6 15.5 23.3

57 23.1 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: 46.24 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

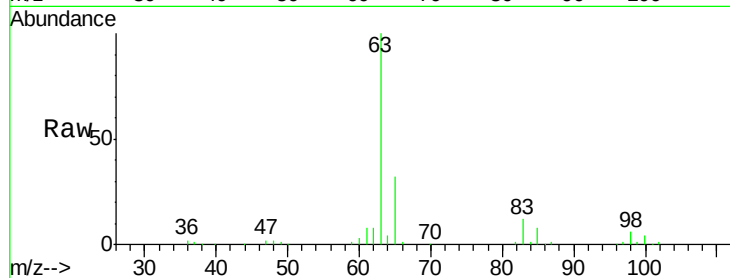
Tgt Ion: 63 Resp: 250568

Ion Ratio Lower Upper

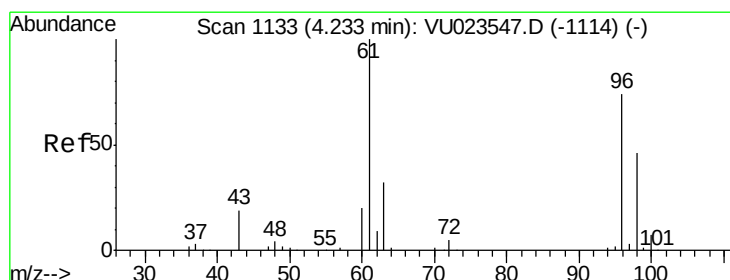
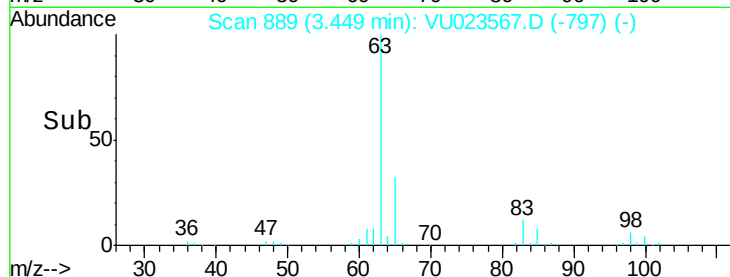
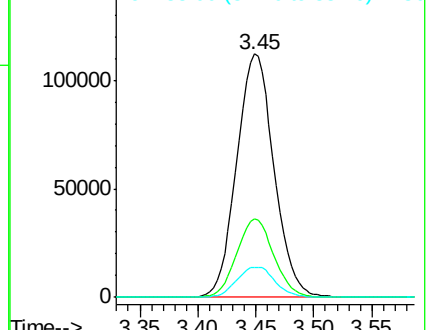
63 100

65 32.1 22.3 41.5

83 12.5 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: 46.69 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

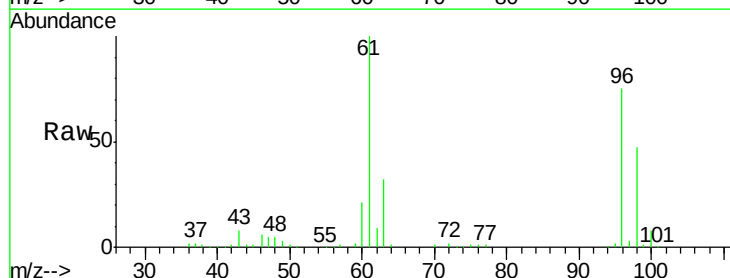
Tgt Ion: 96 Resp: 141517

Ion Ratio Lower Upper

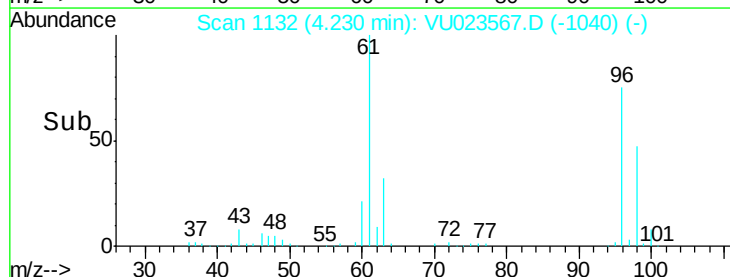
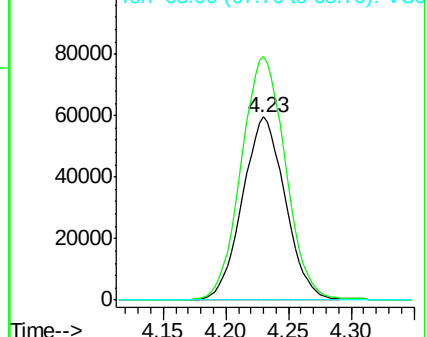
96 100

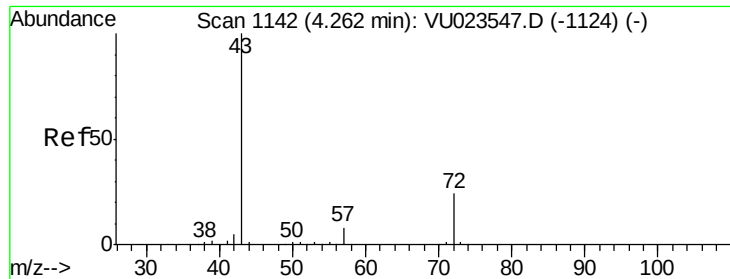
61 133.0 95.3 177.1

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: 86.72 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU023567.D

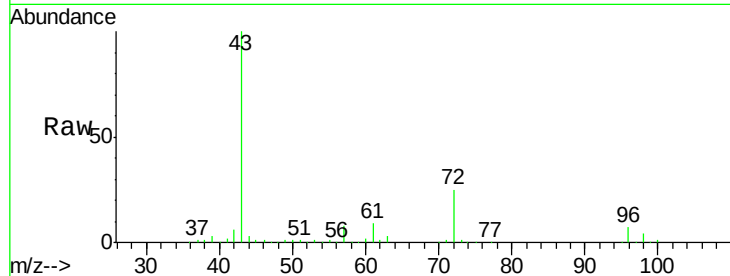
Acq: 01 May 2018 21:08

Tgt Ion: 43 Resp: 239933

Ion Ratio Lower Upper

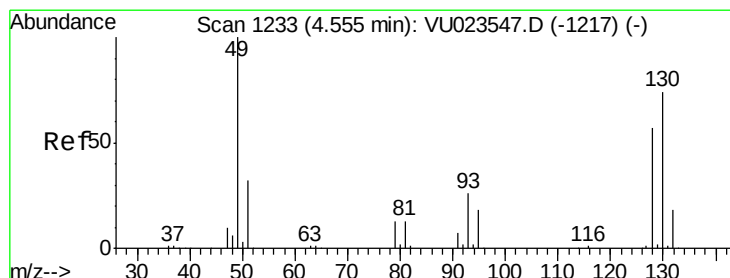
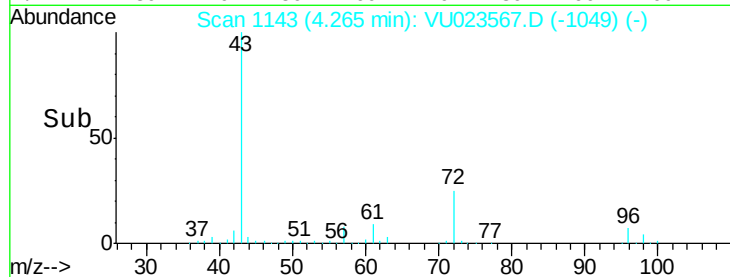
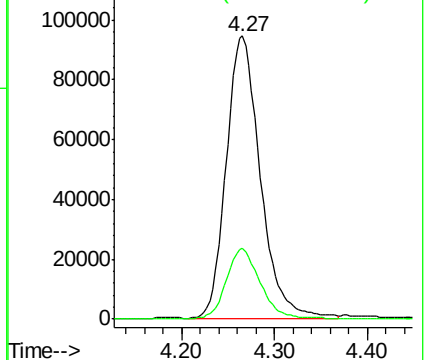
43 100

72 25.0 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: 46.14 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

Tgt Ion: 128 Resp: 70191

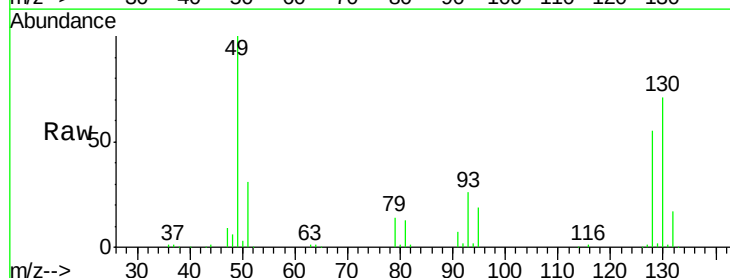
Ion Ratio Lower Upper

128 100

49 183.4 123.7 229.7

130 130.4 90.6 168.3

51 56.0 45.0 67.6

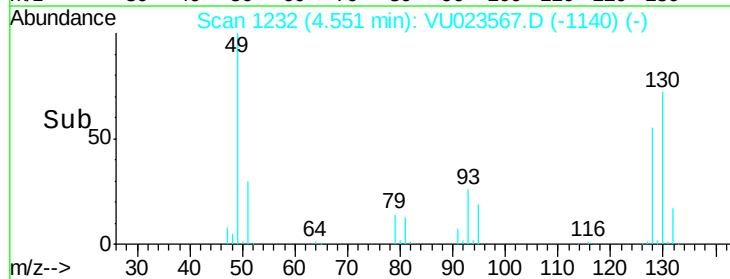
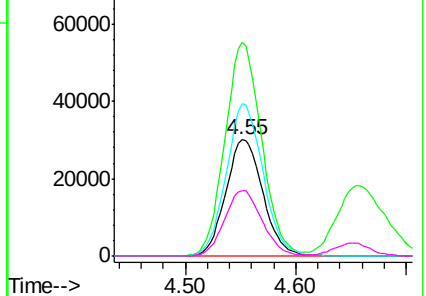


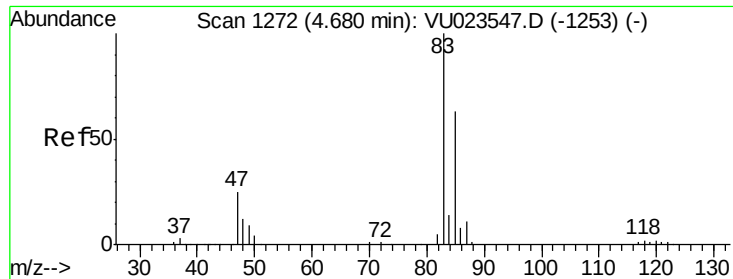
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

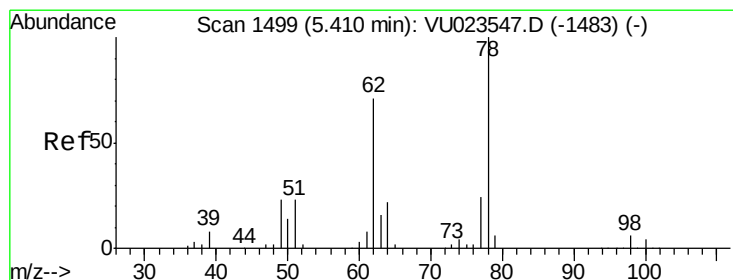
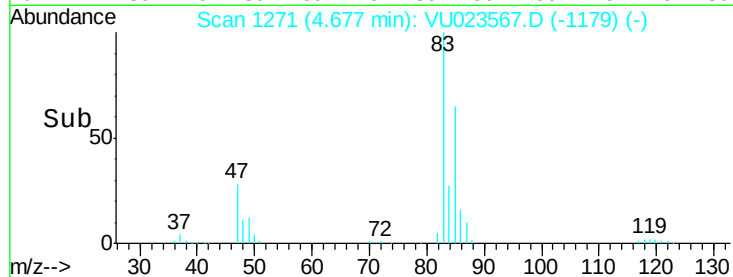
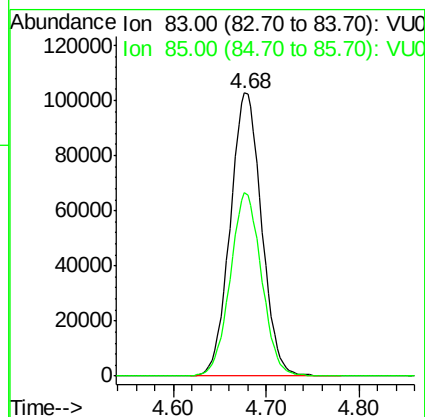
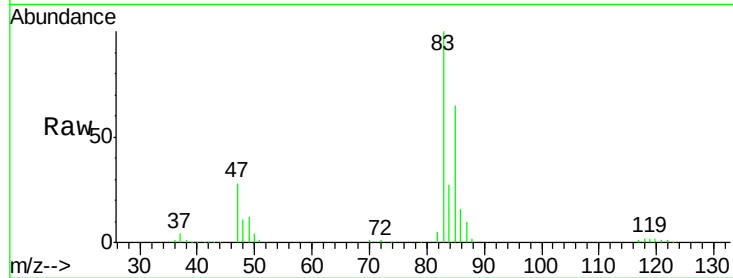
Ion 51.00 (50.70 to 51.70): VU0





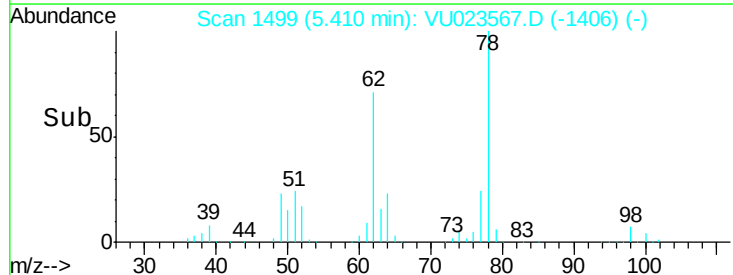
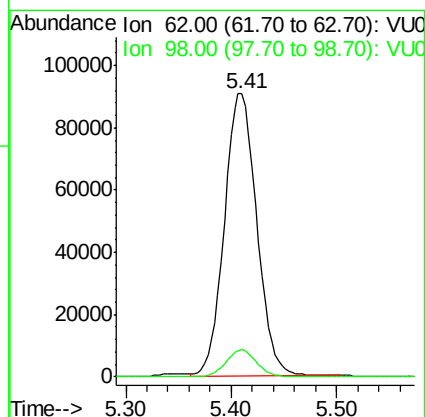
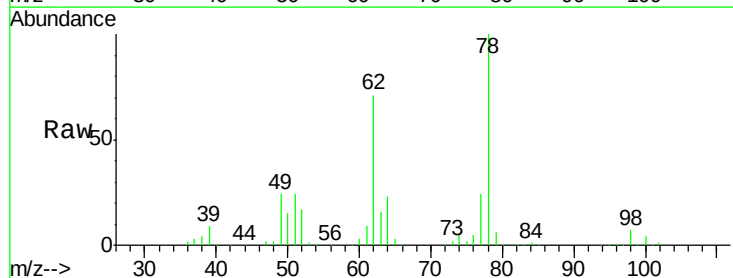
#25
Chloroform
Concen: 43.36 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

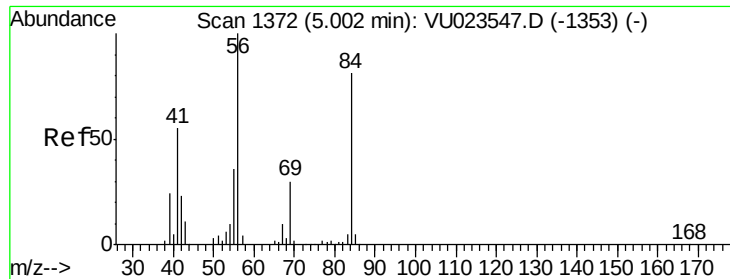
Tgt Ion: 83 Resp: 240984
Ion Ratio Lower Upper
83 100
85 64.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 46.93 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

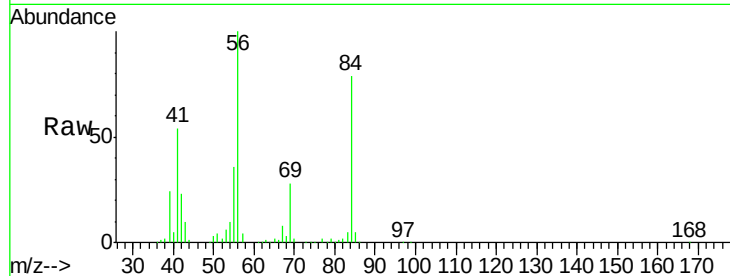
Tgt Ion: 62 Resp: 193390
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9



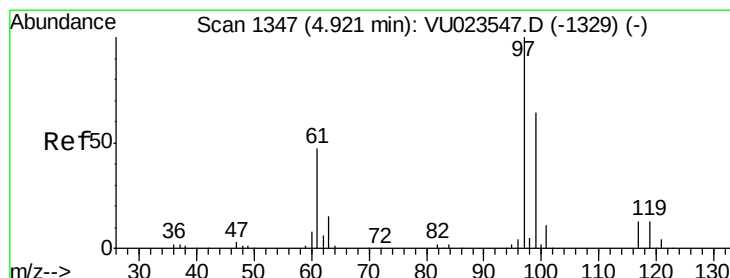
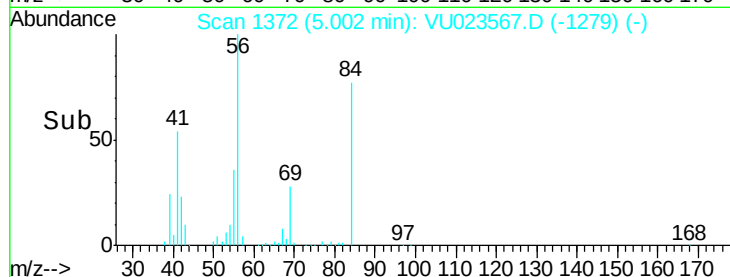
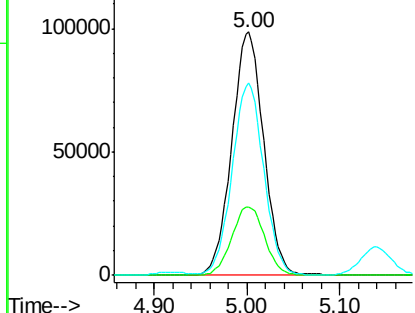


#29
Cyclohexane
Concen: 48.84 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.5	35.3
84	78.0	63.8	95.8

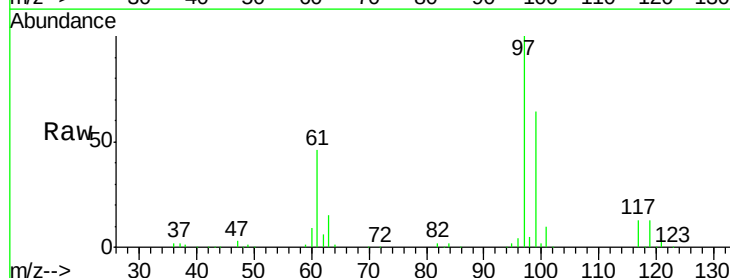


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

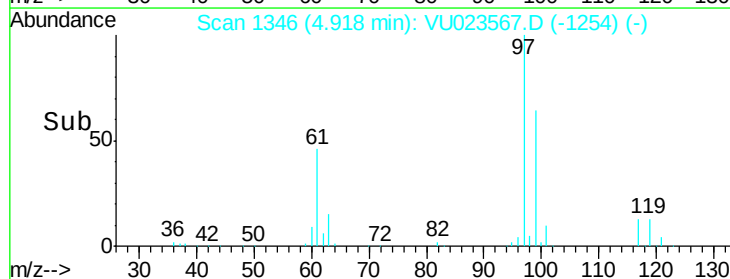
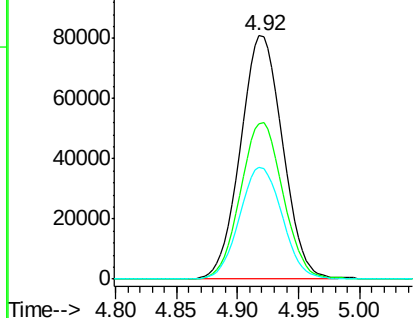


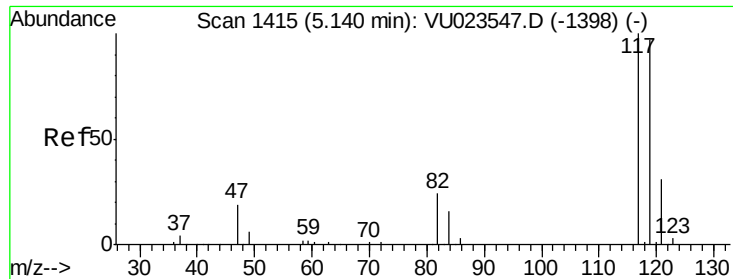
#30
1,1,1-Trichloroethane
Concen: 47.03 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	46.5	37.7	56.5



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: 46.83 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU023567.D

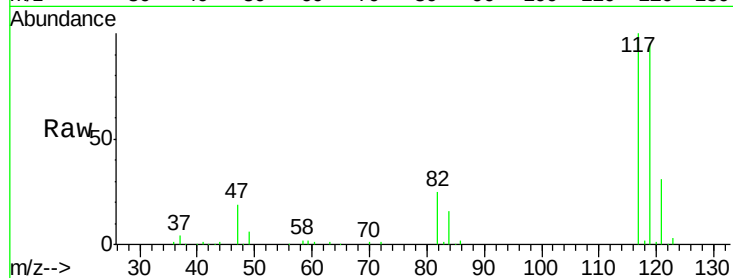
Acq: 01 May 2018 21:08

Tgt Ion:117 Resp: 167749

Ion Ratio Lower Upper

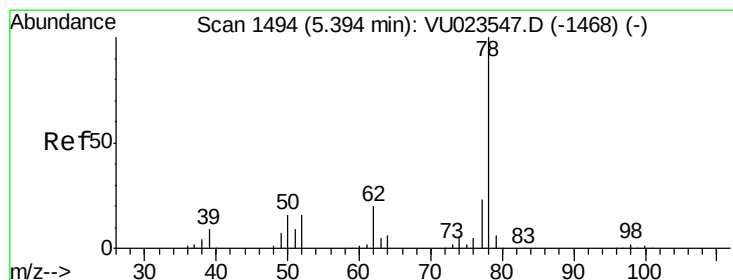
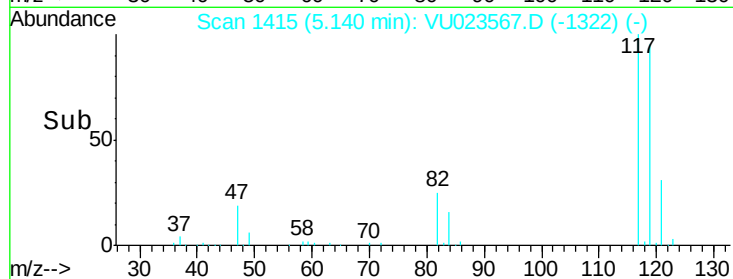
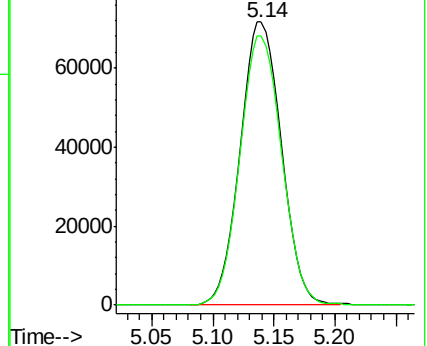
117 100

119 96.4 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: 47.86 ug/L

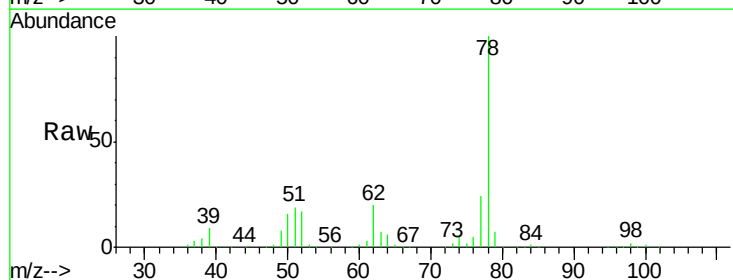
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

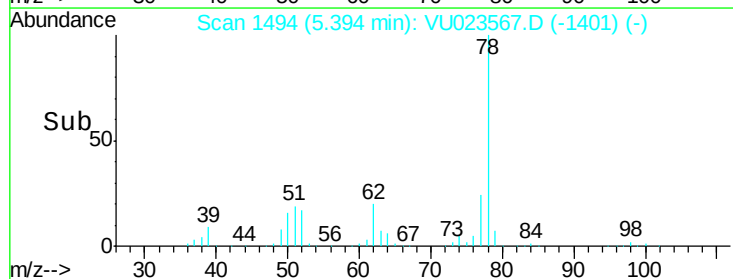
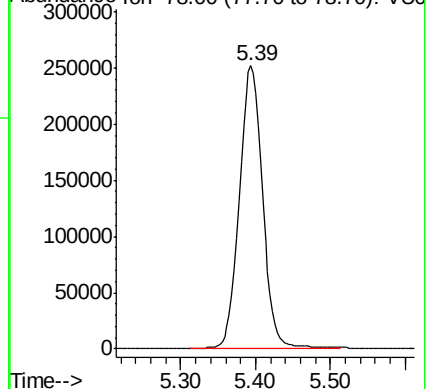
Lab File: VU023567.D

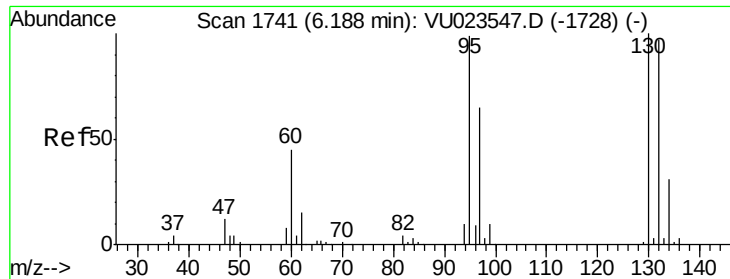
Acq: 01 May 2018 21:08

Tgt Ion: 78 Resp: 548831



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.80 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

Tgt Ion: 95 Resp: 149258

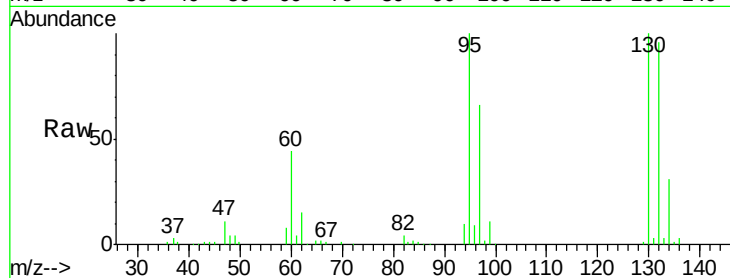
Ion Ratio Lower Upper

95 100

97 65.5 46.3 85.9

132 95.5 68.5 127.1

130 99.9 70.8 131.4

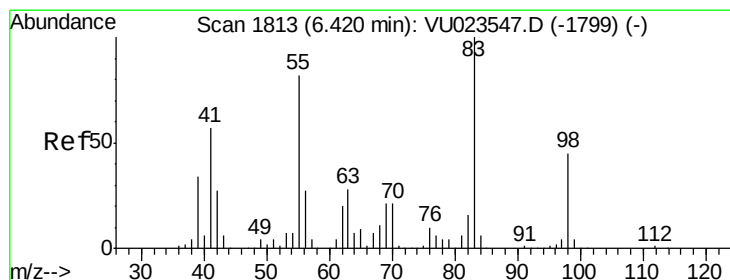
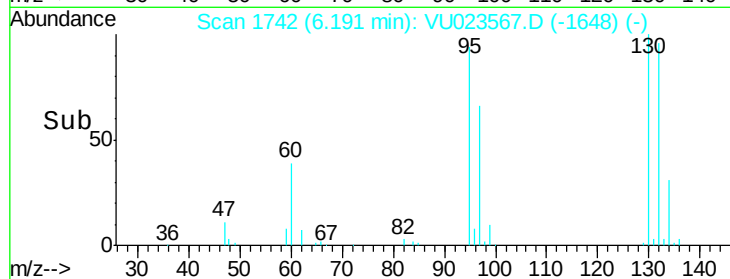
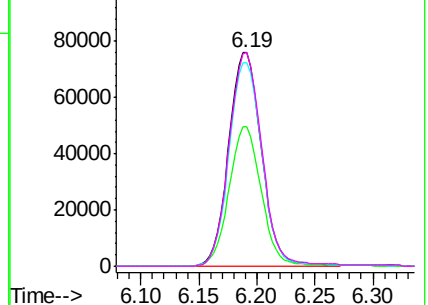


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 47.41 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

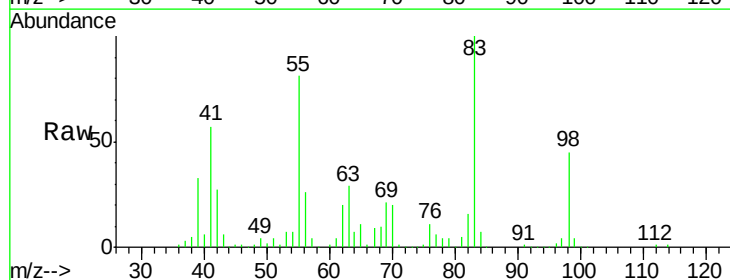
Tgt Ion: 83 Resp: 217919

Ion Ratio Lower Upper

83 100

55 83.9 66.7 100.1

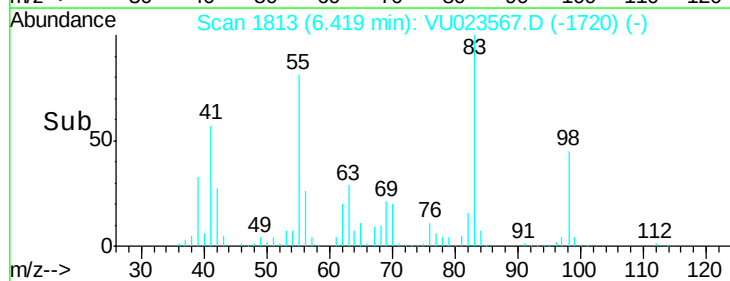
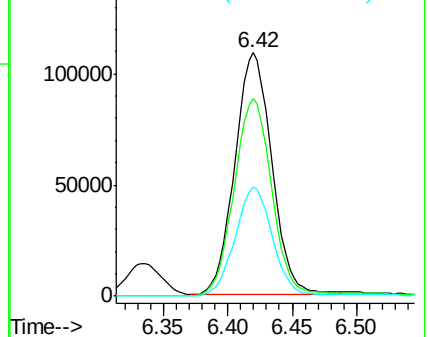
98 45.5 36.6 54.8

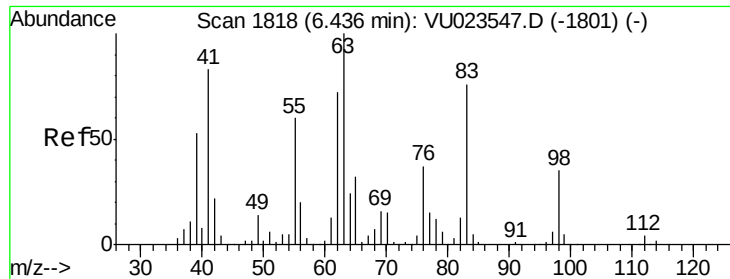


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

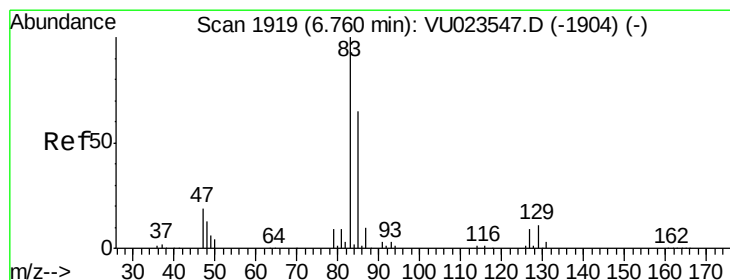
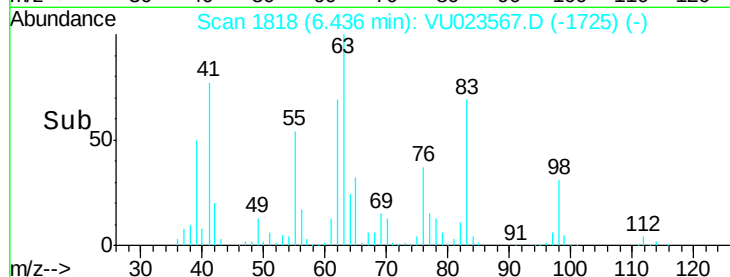
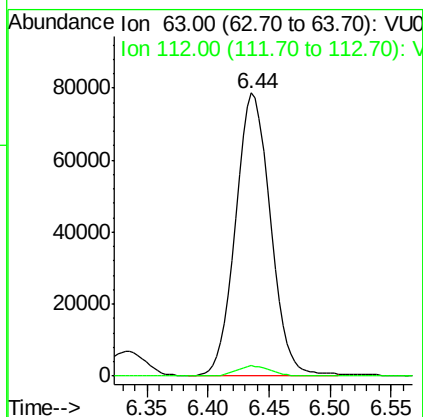
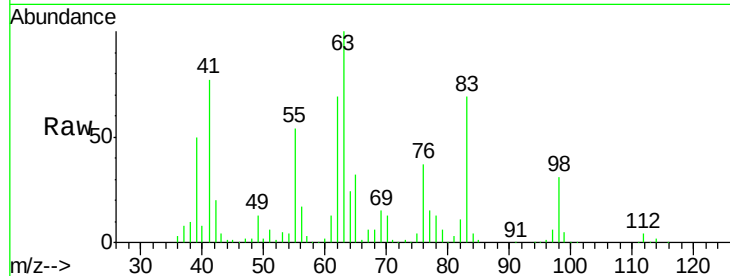
Ion 98.00 (97.70 to 98.70): VU0





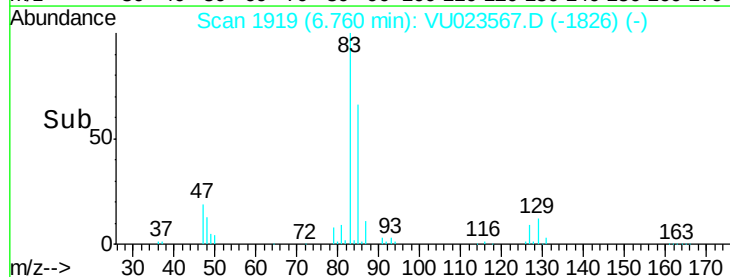
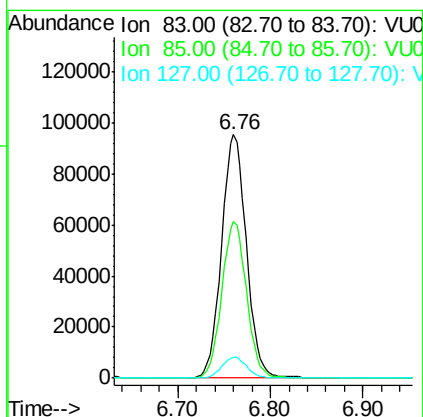
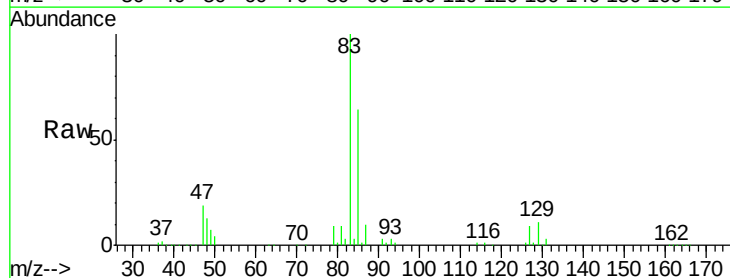
#37
 1,2-Dichloropropane
 Concen: 47.18 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

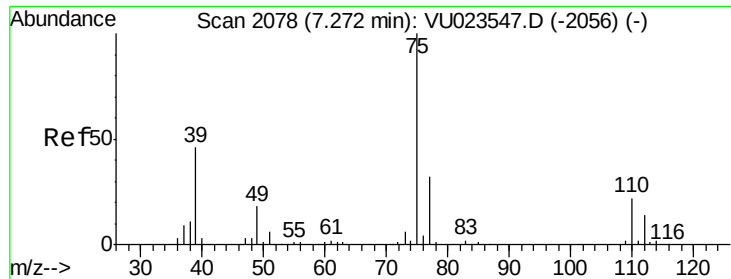
Tgt Ion: 63 Resp: 155082
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.79 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

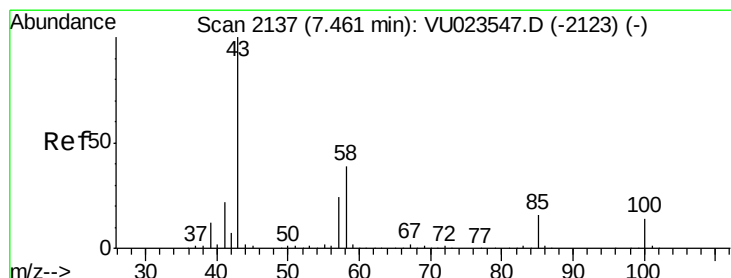
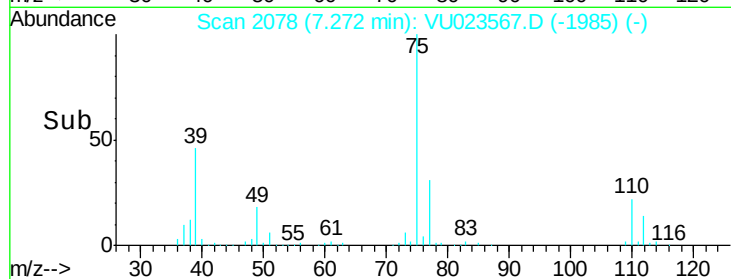
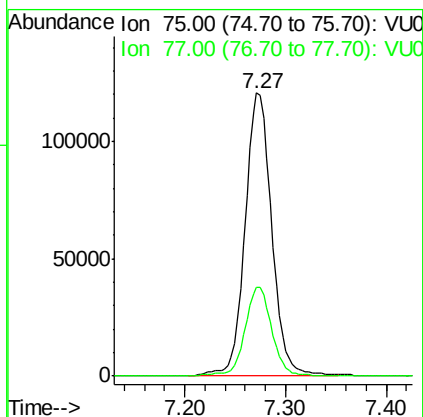
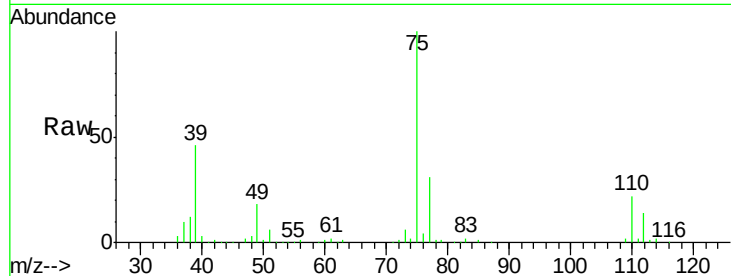
Tgt Ion: 83 Resp: 177236
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.1 83.7
 127 8.7 6.9 10.3





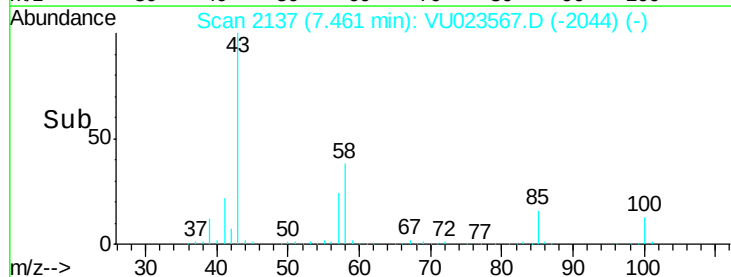
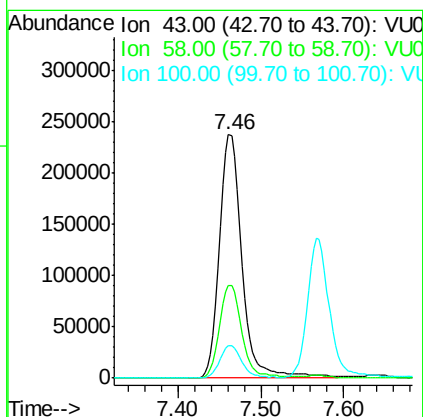
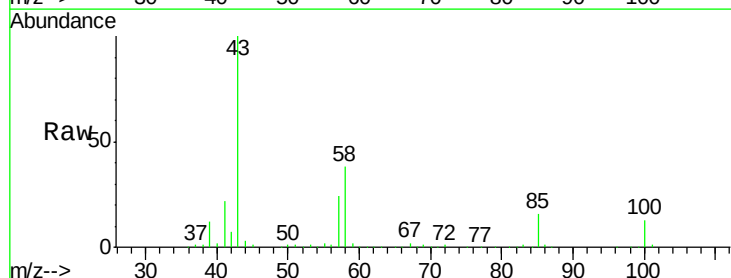
#39
 cis-1,3-Dichloropropene
 Concen: 48.75 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

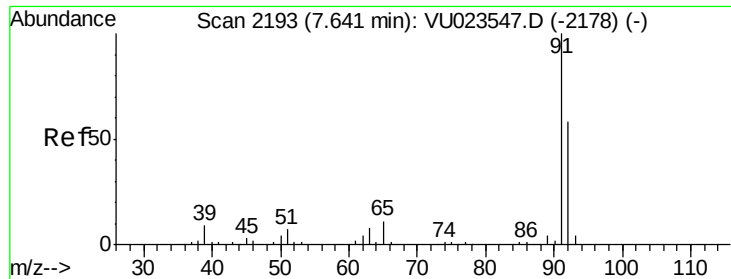
Tgt Ion: 75 Resp: 220791
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 111.34 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

Tgt Ion: 43 Resp: 446820
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.8 46.2
 100 12.8 10.7 16.1





#42

Toluene

Concen: 48.06 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023567.D

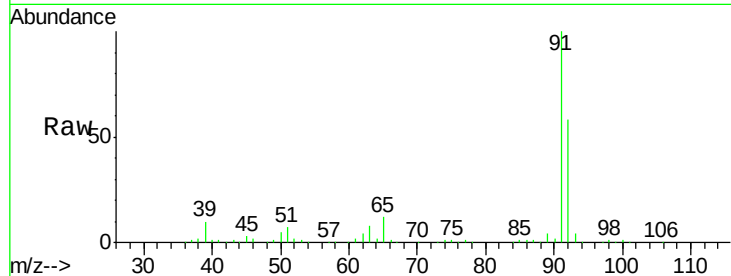
Acq: 01 May 2018 21:08

Tgt Ion: 91 Resp: 571280

Ion Ratio Lower Upper

91 100

92 58.4 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU023547.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU023547.D (-2178) (-)

7.64

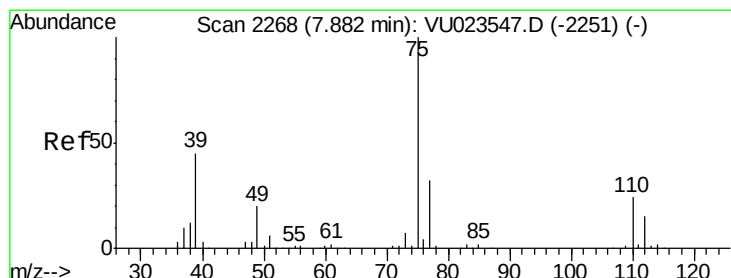
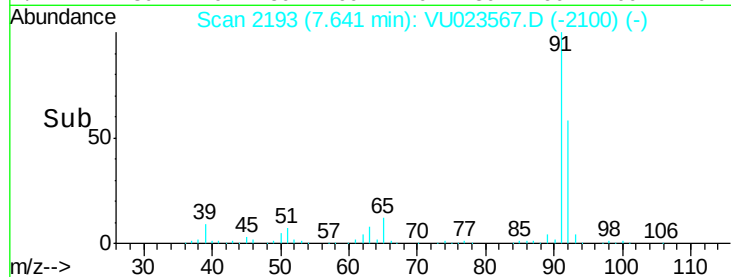
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.20 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU023567.D

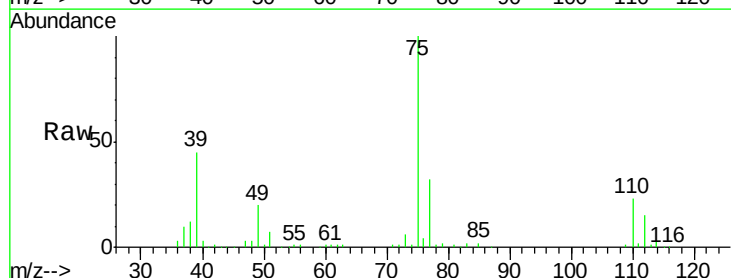
Acq: 01 May 2018 21:08

Tgt Ion: 75 Resp: 198829

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU023547.D (-2251) (-)

Ion 77.00 (76.70 to 77.70): VU023547.D (-2251) (-)

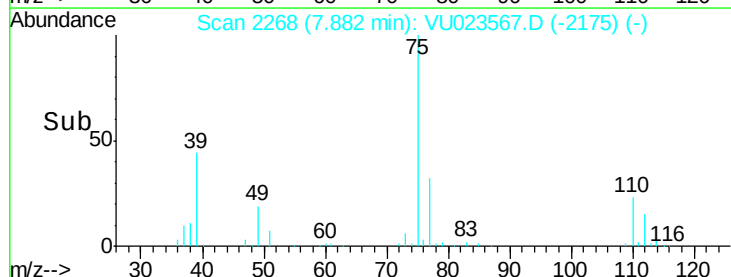
7.88

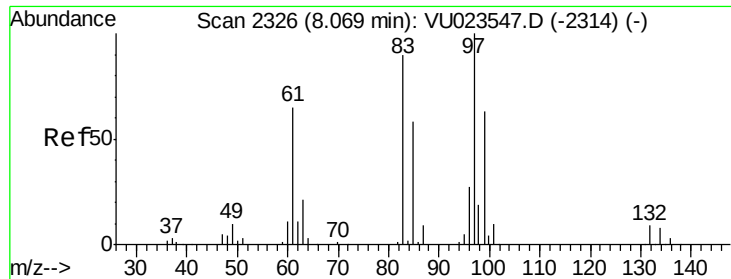
100000

50000

0

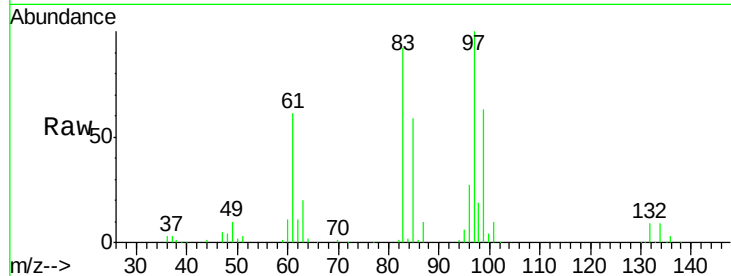
Time-->





#45
 1,1,2-Trichloroethane
 Concen: 47.40 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

Tgt Ion:	97	Resp:	132366
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.2	82.2
83	91.7	63.1	117.1
85	58.5	40.3	74.8



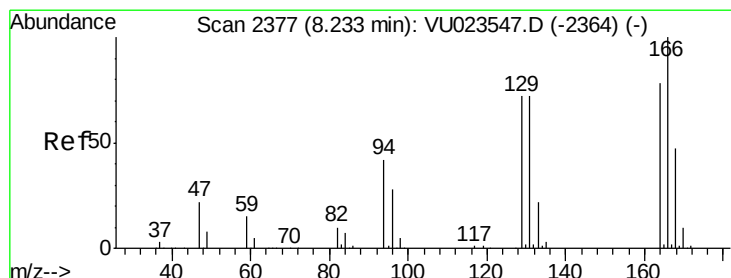
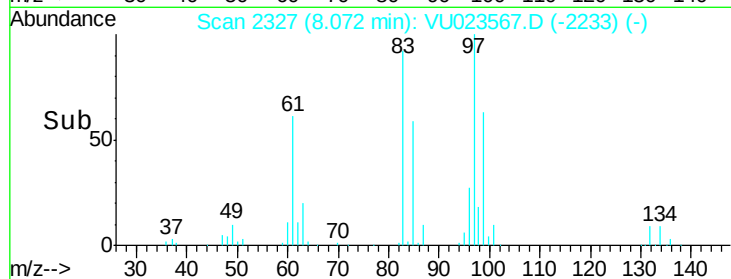
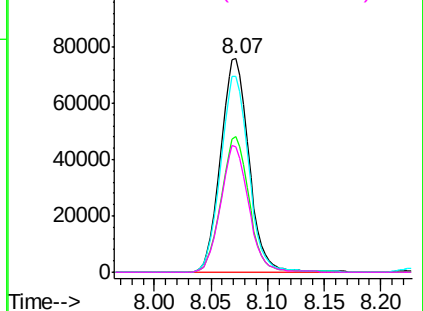
Abundance

Ion 97.00 (96.70 to 97.70): VU023547.D (-2314) (-)

Ion 99.00 (98.70 to 99.70): VU023547.D (-2314) (-)

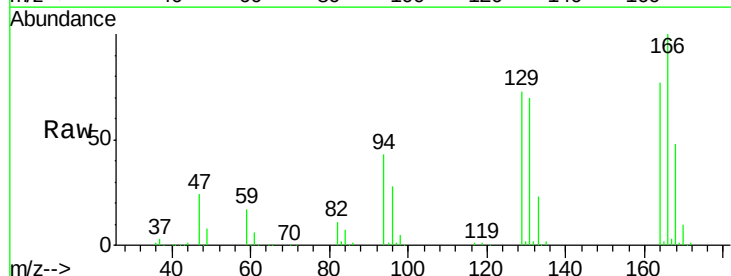
Ion 83.00 (82.70 to 83.70): VU023547.D (-2314) (-)

Ion 85.00 (84.70 to 85.70): VU023547.D (-2314) (-)



#46
 Tetrachloroethene
 Concen: 45.63 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

Tgt Ion:	164	Resp:	109273
Ion	Ratio	Lower	Upper
164	100		
129	95.5	64.2	119.2
131	90.8	64.1	119.1
166	130.3	89.4	166.0



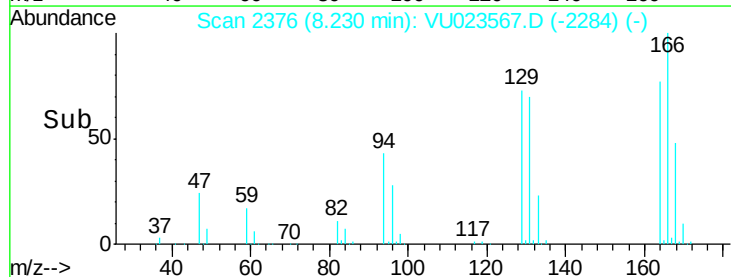
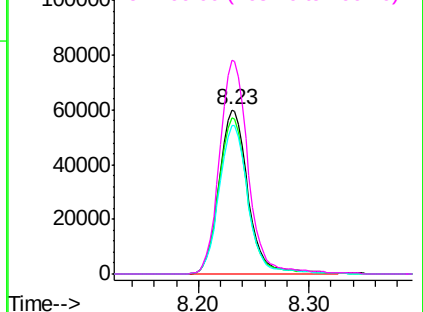
Abundance

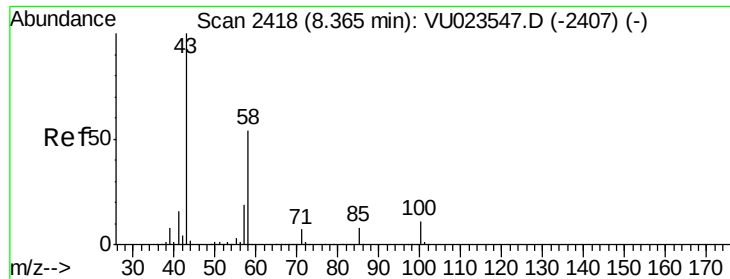
Ion 164.00 (163.70 to 164.70): VU023547.D (-2364) (-)

Ion 129.00 (128.70 to 129.70): VU023547.D (-2364) (-)

Ion 131.00 (130.70 to 131.70): VU023547.D (-2364) (-)

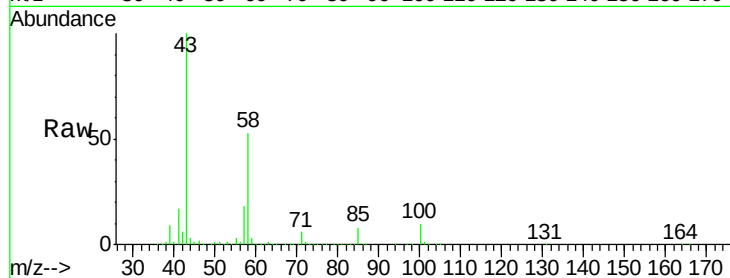
Ion 166.00 (165.70 to 166.70): VU023547.D (-2364) (-)



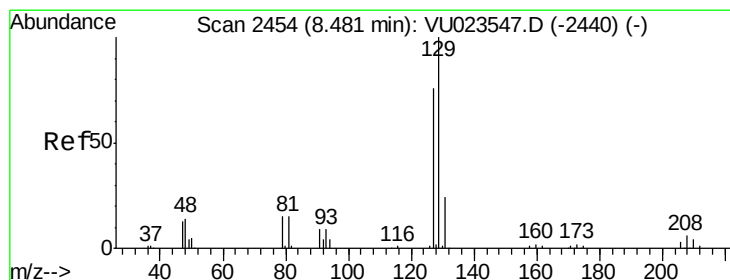
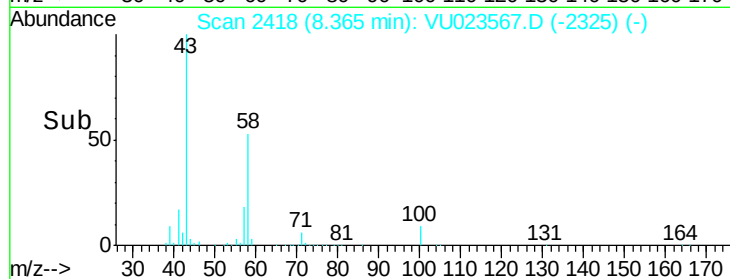
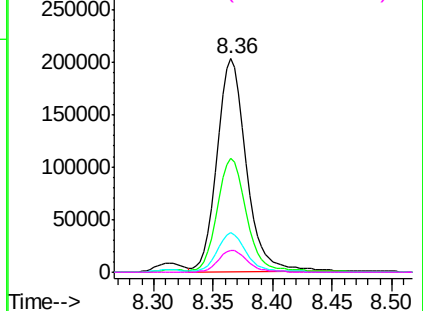


#48
2-Hexanone
Concen: 98.21 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion:	43	Resp:	343251
Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.0	64.6
57	18.1	14.6	22.0
100	10.4	8.4	12.6

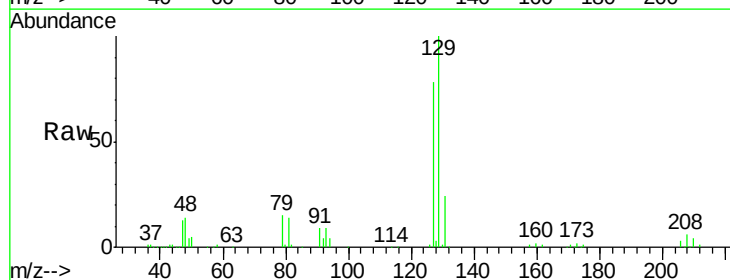


Abundance Ion 43.00 (42.70 to 43.70): VU023567.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU023567.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU023567.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU023567.D (-2325) (-)

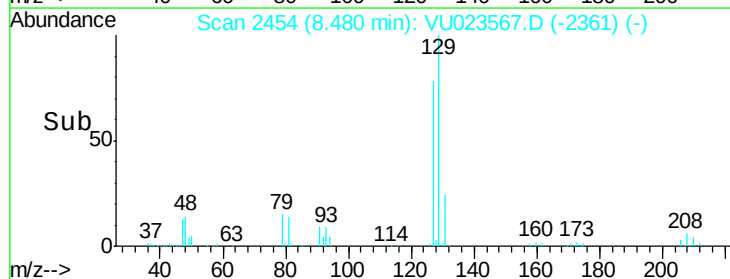
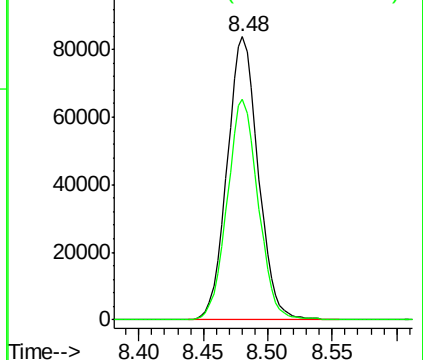


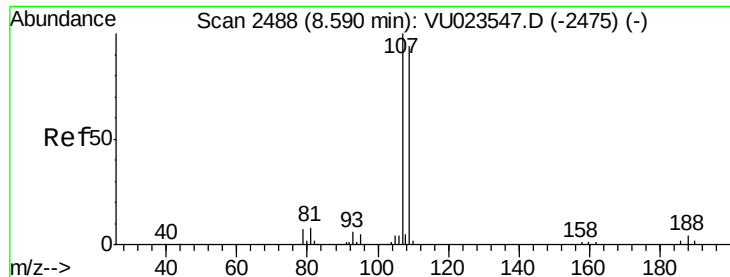
#49
Dibromochloromethane
Concen: 47.82 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion:	129	Resp:	140677
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.3	99.1



Abundance Ion 129.00 (128.70 to 129.70): VU023567.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU023567.D (-2361) (-)





#50

1,2-Dibromoethane

Concen: 48.66 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

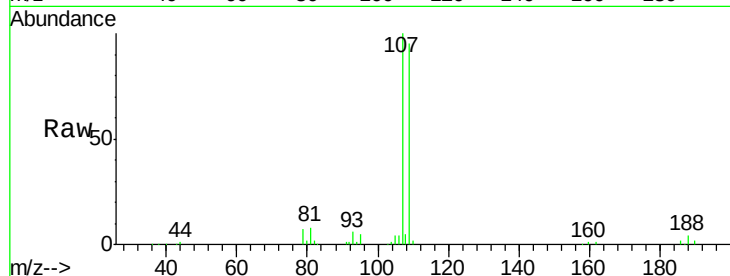
Tgt Ion:107 Resp: 137234

Ion Ratio Lower Upper

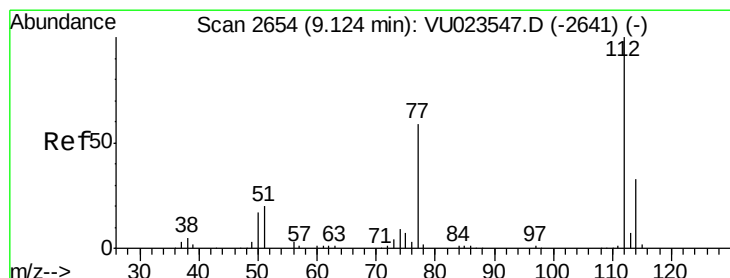
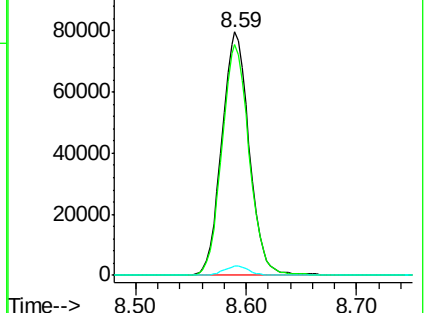
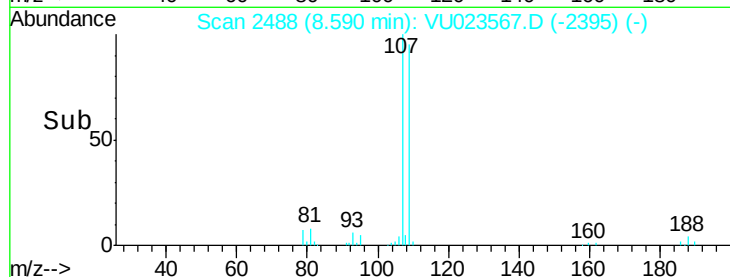
107 100

109 94.8 66.1 122.7

188 3.7 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 47.04 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

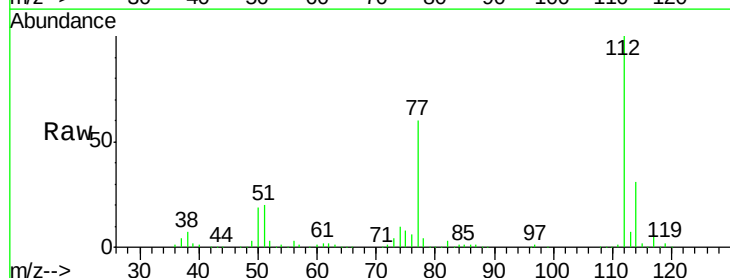
Tgt Ion:112 Resp: 372543

Ion Ratio Lower Upper

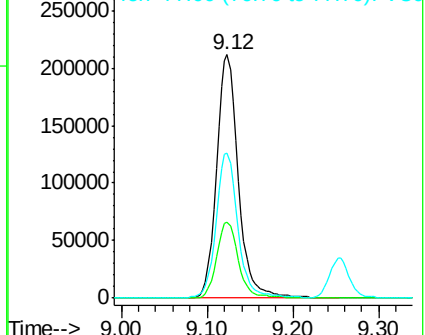
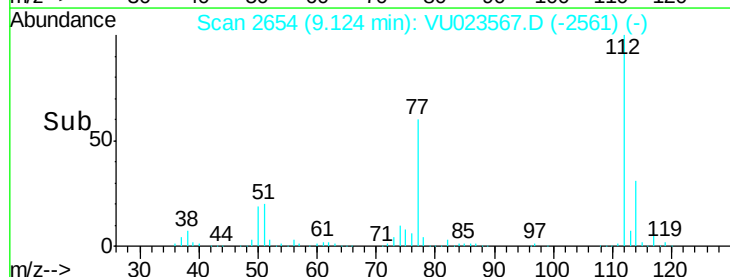
112 100

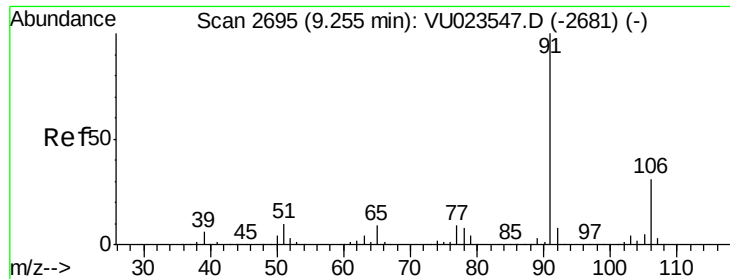
114 31.4 22.7 42.3

77 59.6 47.5 71.3



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): V





#52

Ethylbenzene

Concen: 48.90 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU023567.D

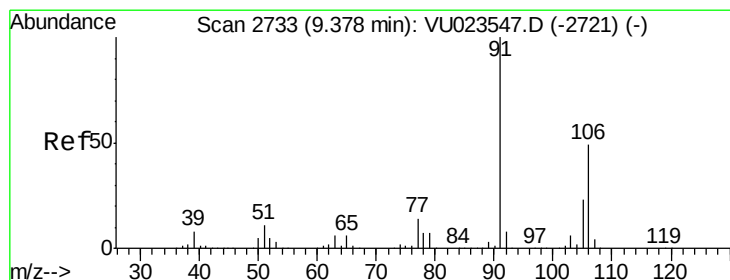
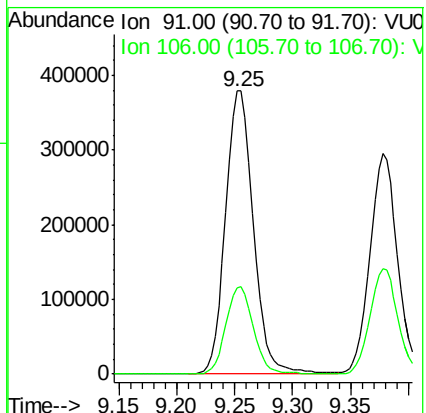
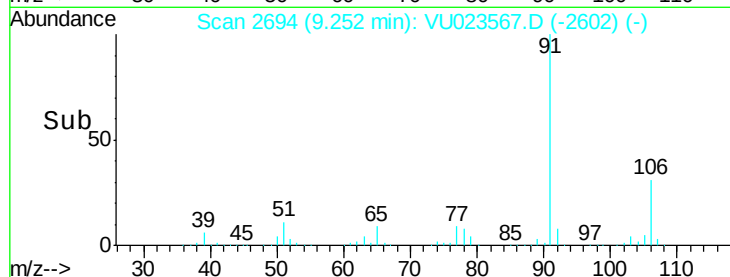
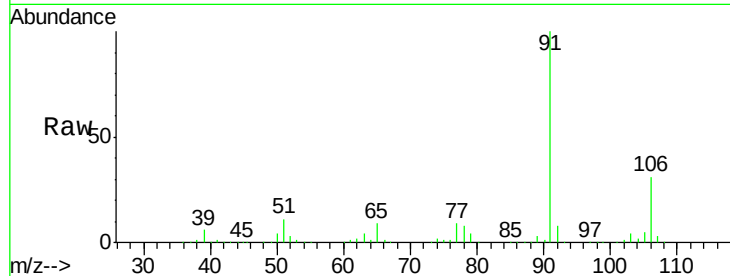
Acq: 01 May 2018 21:08

Tgt Ion: 91 Resp: 630012

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.0



#53

m,p-Xylene

Concen: 48.96 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU023567.D

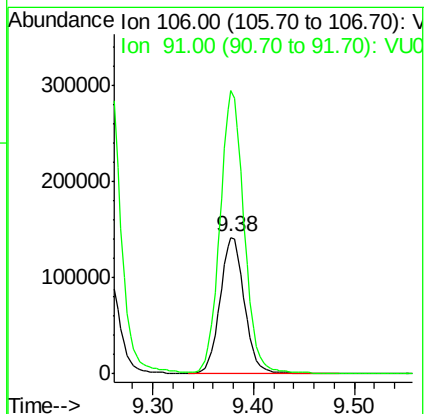
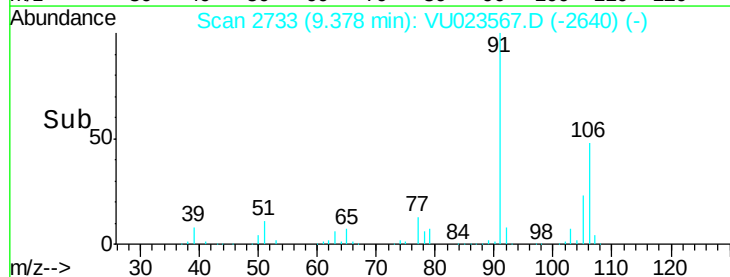
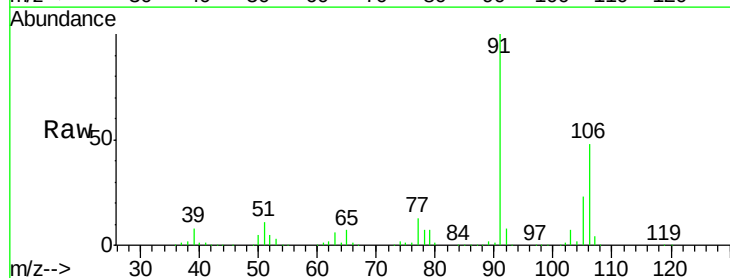
Acq: 01 May 2018 21:08

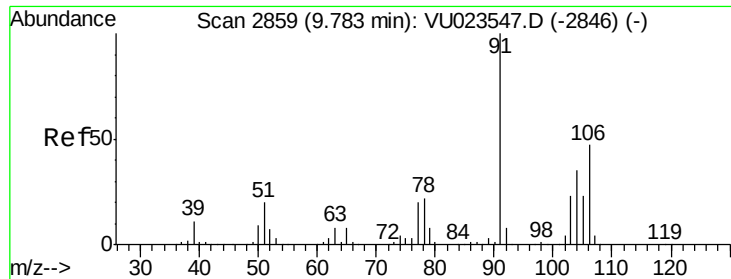
Tgt Ion: 106 Resp: 240639

Ion Ratio Lower Upper

106 100

91 207.6 144.1 267.5





#54

o-xylene

Concen: 49.53 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU023567.D

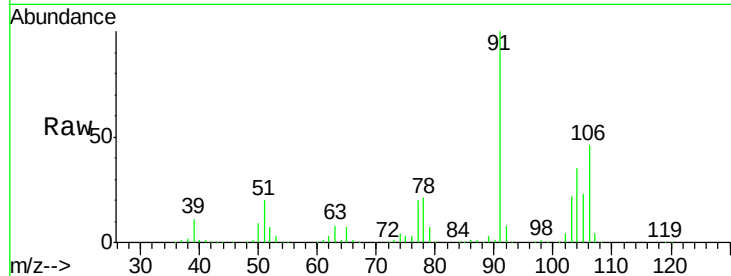
Acq: 01 May 2018 21:08

Tgt Ion:106 Resp: 230622

Ion Ratio Lower Upper

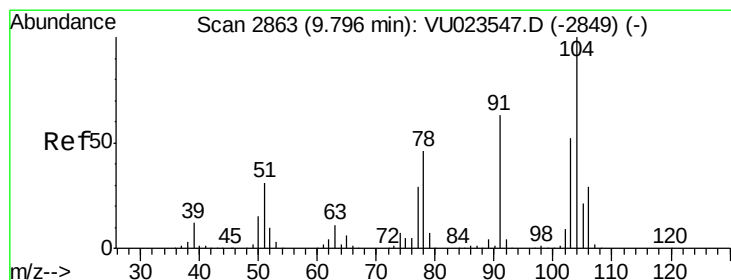
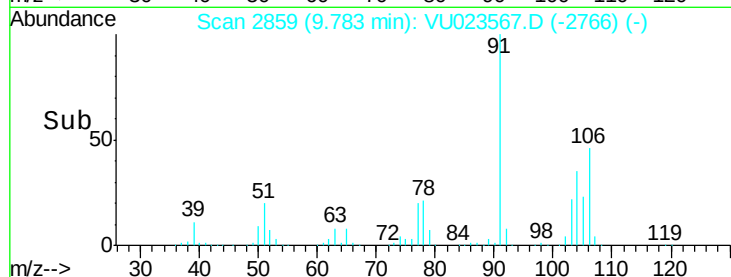
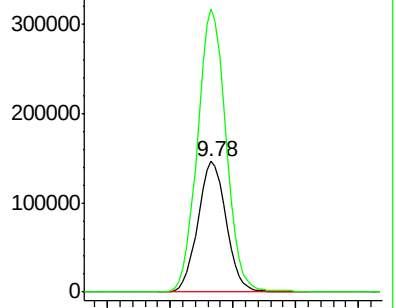
106 100

91 216.7 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.84 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU023567.D

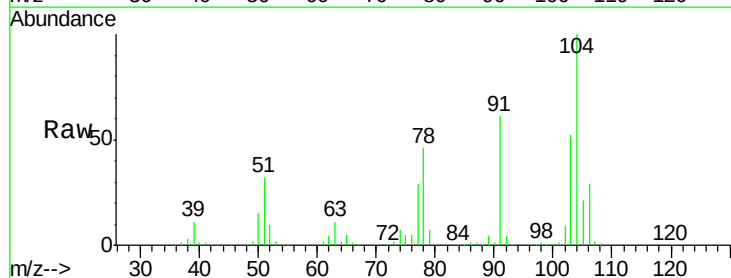
Acq: 01 May 2018 21:08

Tgt Ion:104 Resp: 405985

Ion Ratio Lower Upper

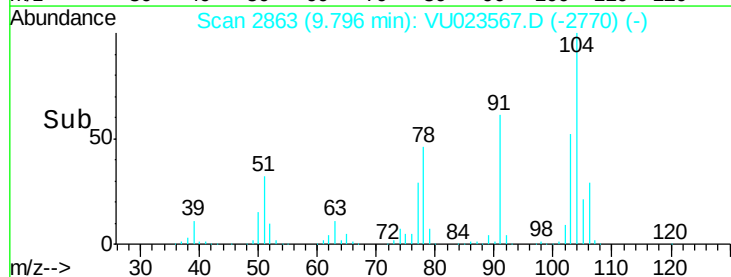
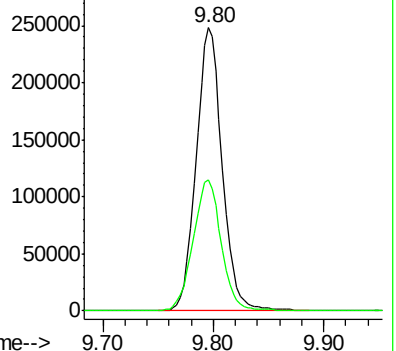
104 100

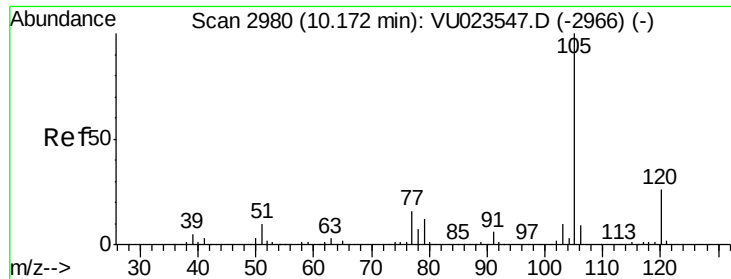
78 46.2 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.77 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

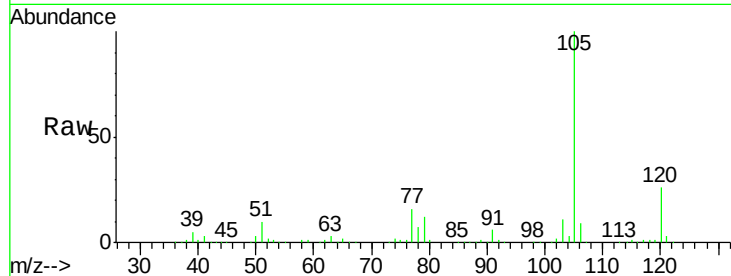
Tgt Ion: 105 Resp: 608243

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

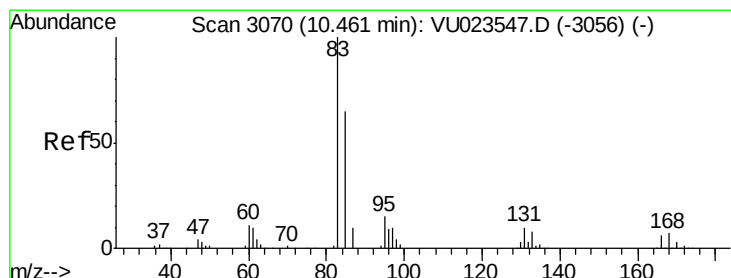
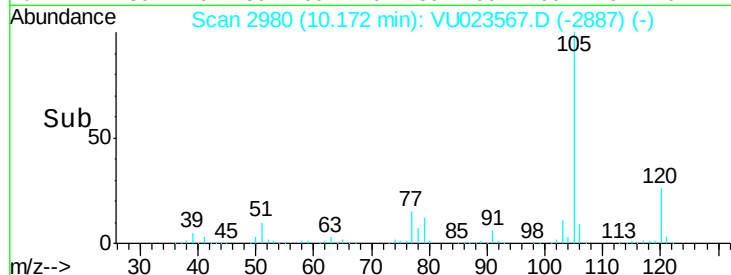
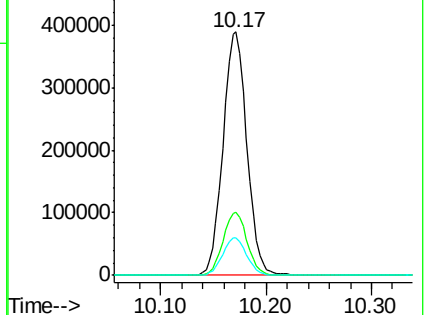
77 15.7 12.6 18.8



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: 49.81 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

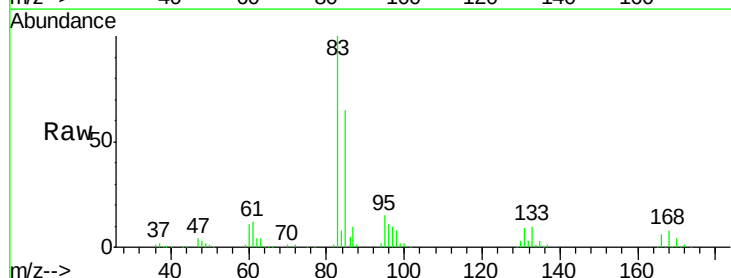
Tgt Ion: 83 Resp: 228368

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.6

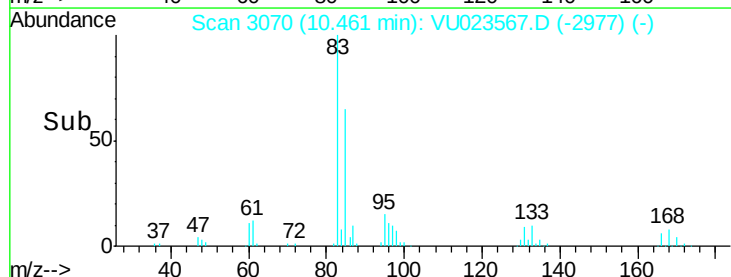
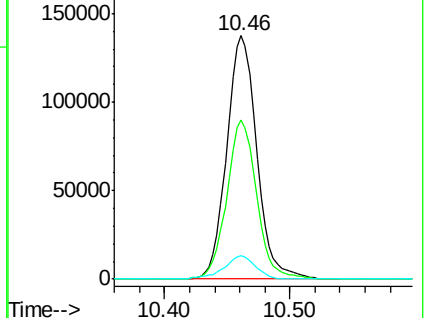
131 9.4 7.9 11.9

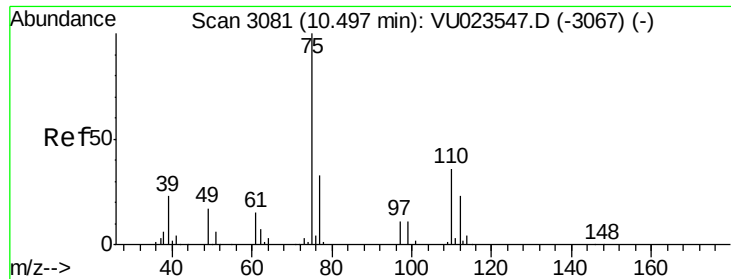


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

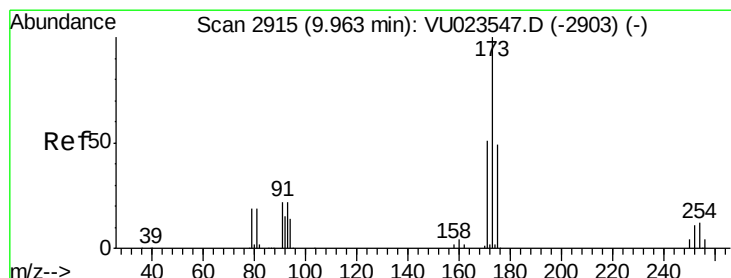
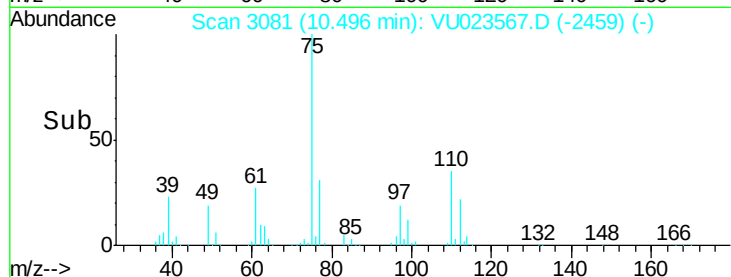
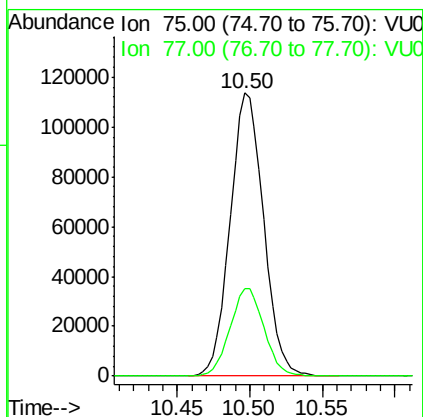
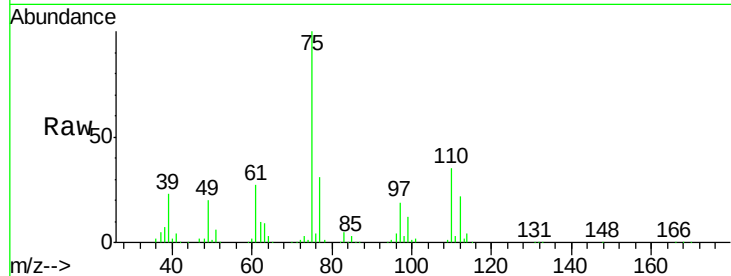
Ion 131.00 (130.70 to 131.70): V





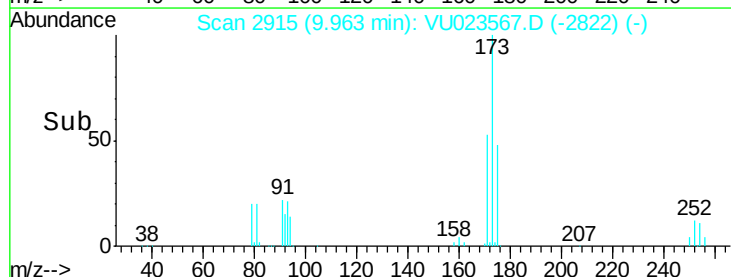
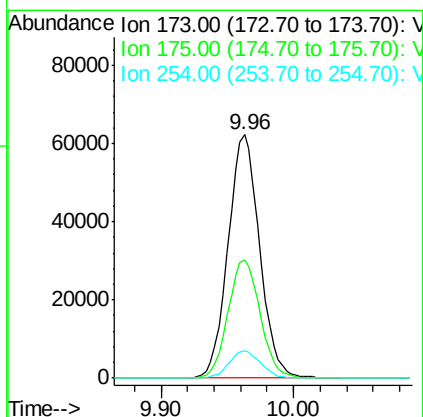
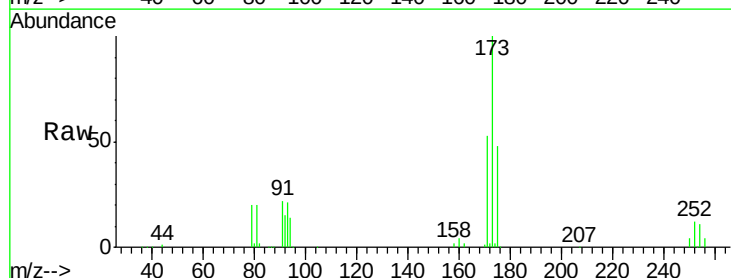
#59
 1,2,3-Trichloropropane
 Concen: 50.18 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

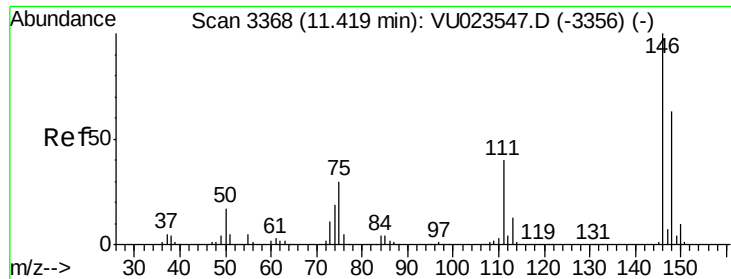
Tgt Ion: 75 Resp: 182083
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.9 38.9



#61
 Bromoform
 Concen: 47.91 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

Tgt Ion: 173 Resp: 102707
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.0 58.4
 254 11.1 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 46.61 ug/L

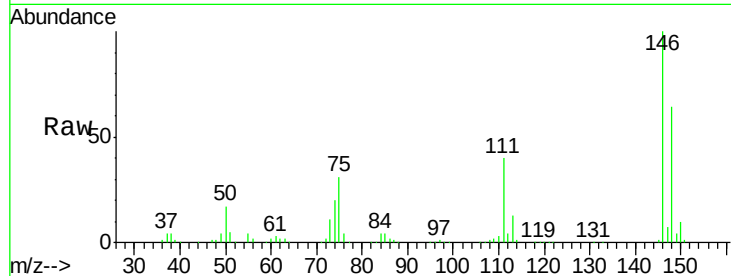
RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

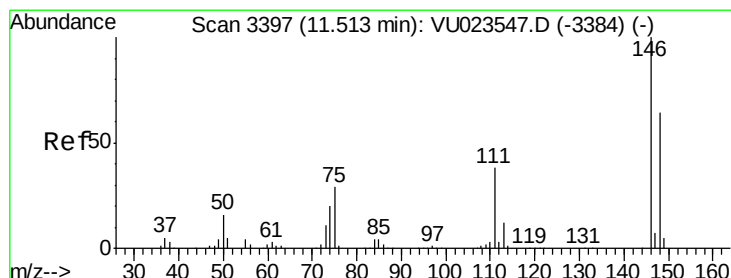
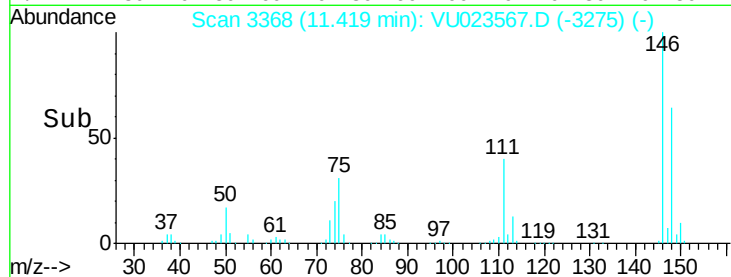
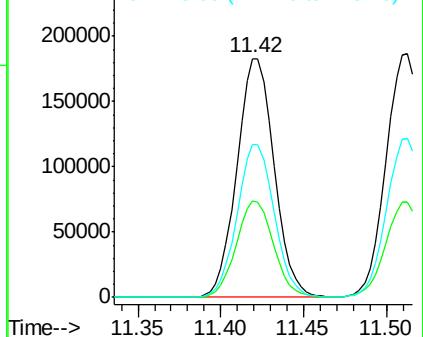
Tgt Ion:	146	Resp:	286616
Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.9	51.7
148	64.0	44.4	82.5



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: 46.29 ug/L

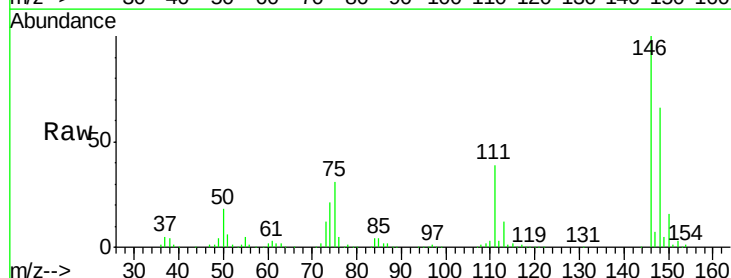
RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VU023567.D

Acq: 01 May 2018 21:08

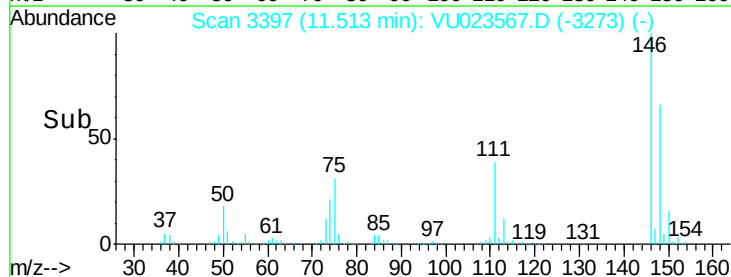
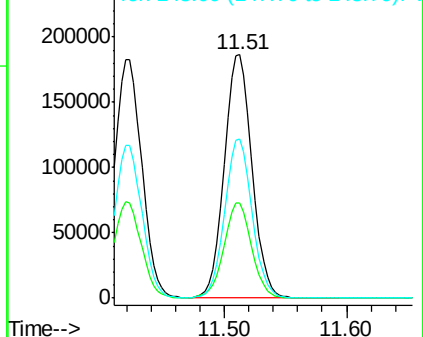
Tgt Ion:	146	Resp:	297204
Ion	Ratio	Lower	Upper
146	100		
111	39.2	26.8	49.8
148	65.5	44.8	83.2

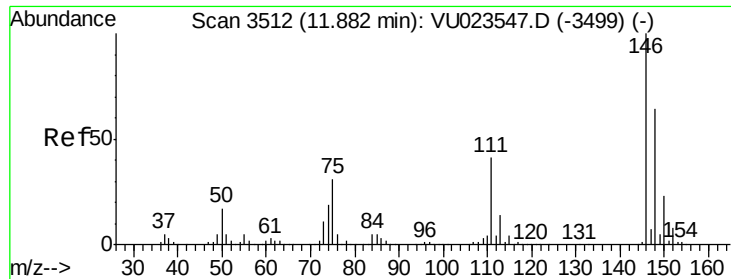


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

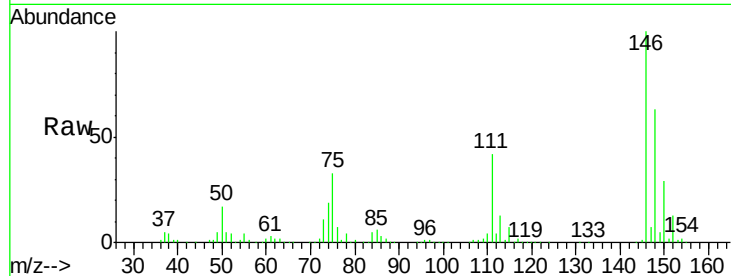
Ion 148.00 (147.70 to 148.70): V



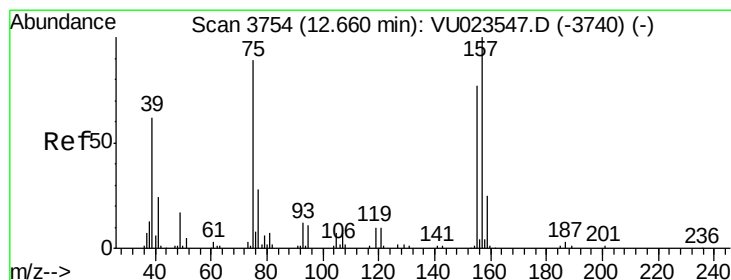
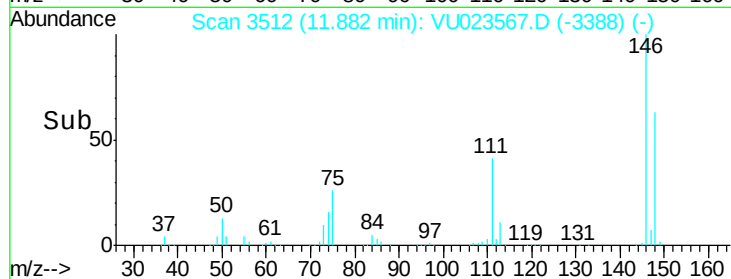
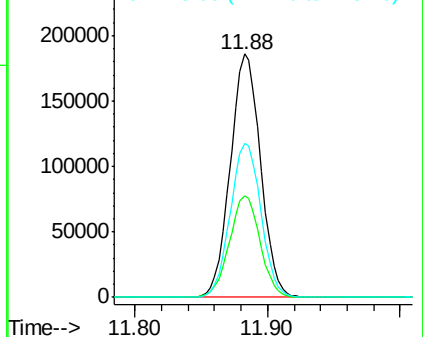


#65
 1,2-Dichlorobenzene
 Concen: 46.81 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

Tgt Ion: 146 Resp: 294524
 Ion Ratio Lower Upper
 146 100
 111 42.0 32.9 49.3
 148 63.3 51.0 76.4

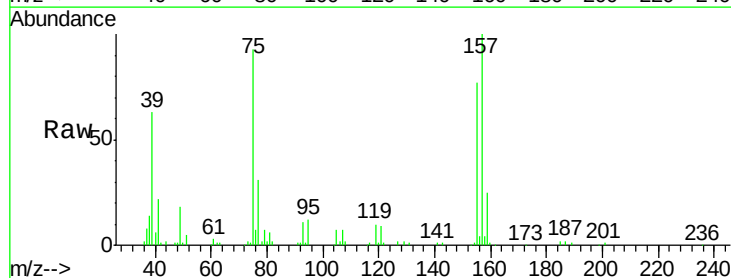


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

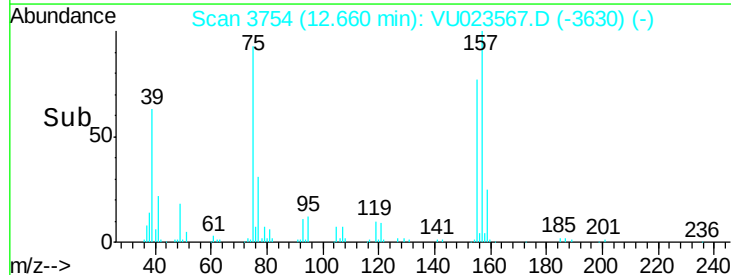
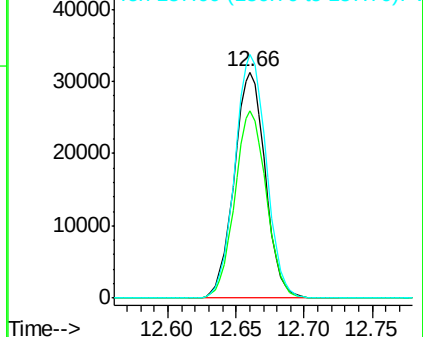


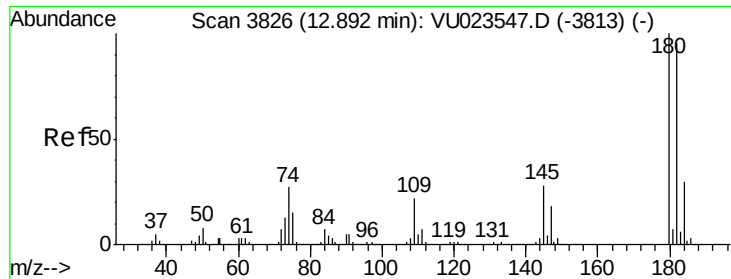
#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.12 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

Tgt Ion: 75 Resp: 49441
 Ion Ratio Lower Upper
 75 100
 155 82.7 68.9 103.3
 157 107.7 89.9 134.9



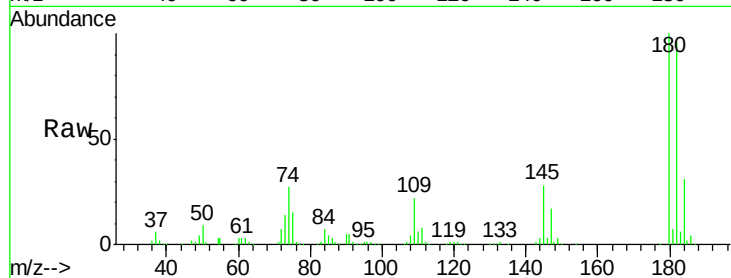
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 45.59 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.5	114.7
184	31.1	24.1	36.1
145	28.1	22.2	33.4

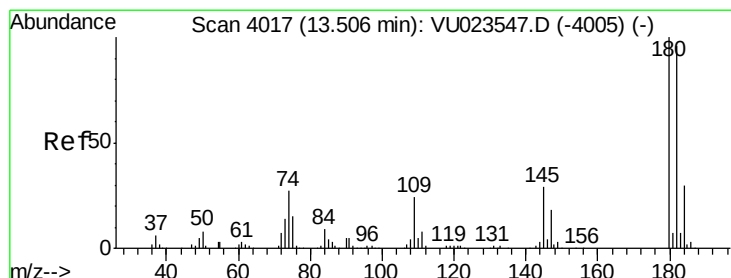
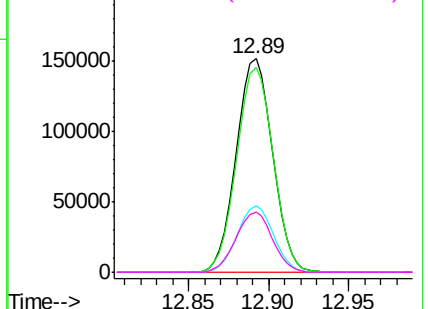
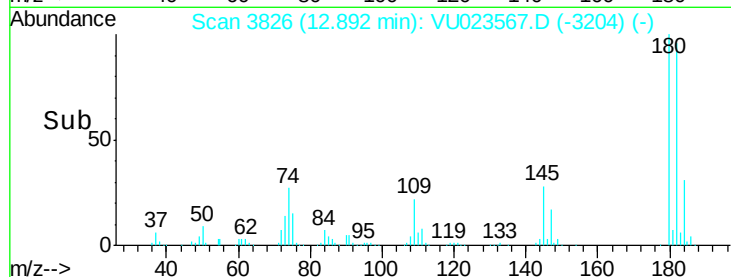


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

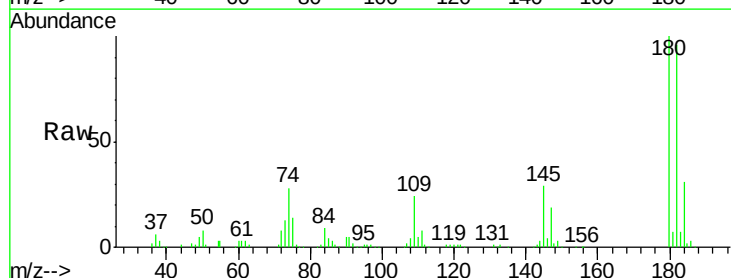
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.12 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU023567.D
 Acq: 01 May 2018 21:08

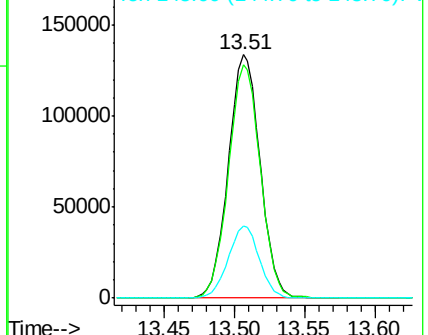
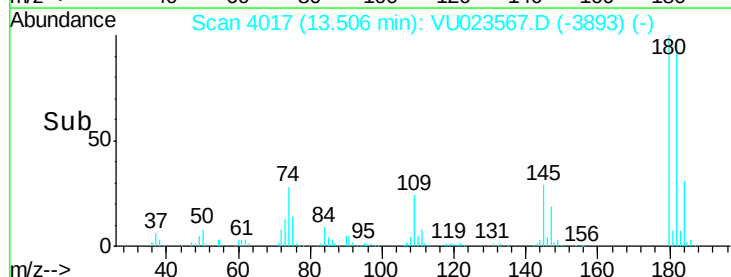
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.1	115.7
145	28.9	23.4	35.0

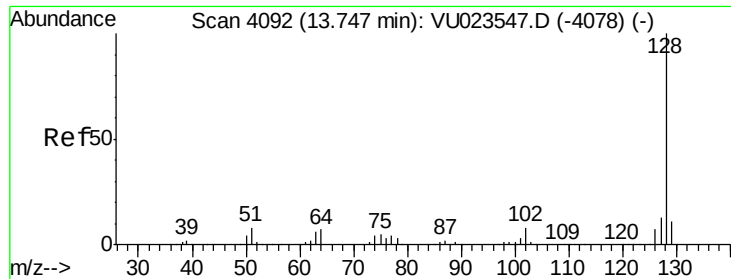


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

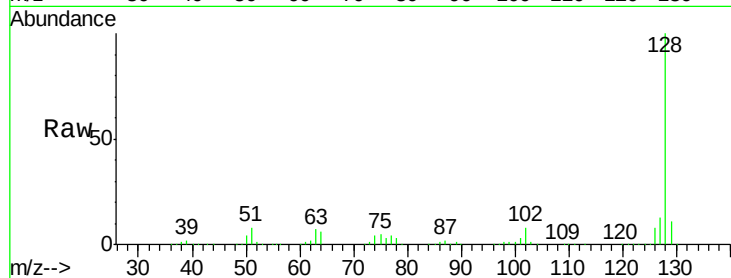
Ion 145.00 (144.70 to 145.70): V



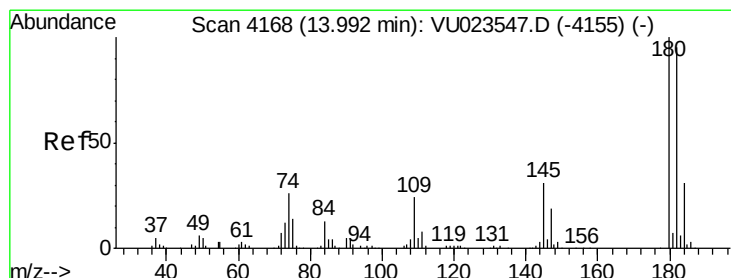
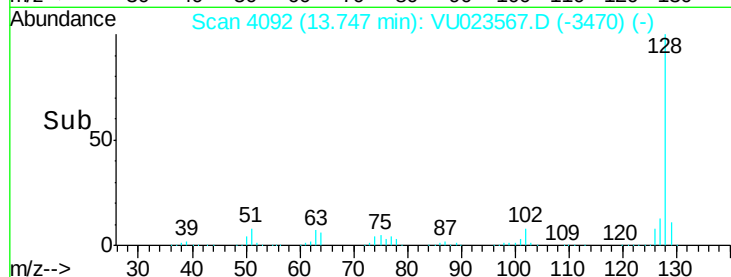
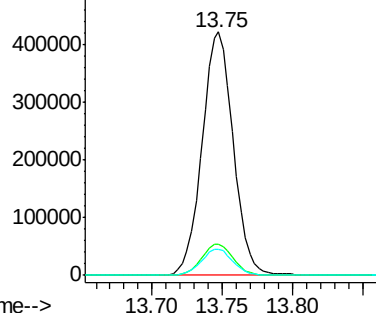


#69
Naphthalene
Concen: 56.76 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion:128 Resp: 651625
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.6 13.0

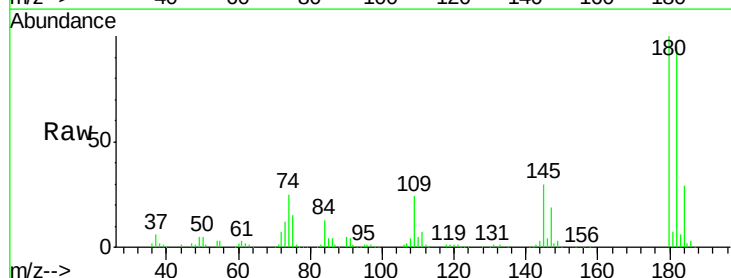


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 49.85 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU023567.D
Acq: 01 May 2018 21:08

Tgt Ion:180 Resp: 222211
Ion Ratio Lower Upper
180 100
182 94.7 76.2 114.4
145 30.4 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

