

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003911.D
 Acq On : 12 Jul 2018 21:24
 Operator : SY/AP
 Sample : J3947-07
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 05:56:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	136747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	243263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	156081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	42536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	98034	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	83843	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	10.33	98	244513	37.54	ug/l	0.00
Spiked Amount			Recovery	=	75.08%	
62) 4-Bromofluorobenzene	12.62	95	54811	23.26	ug/l	0.00
Spiked Amount			Recovery	=	46.52%	

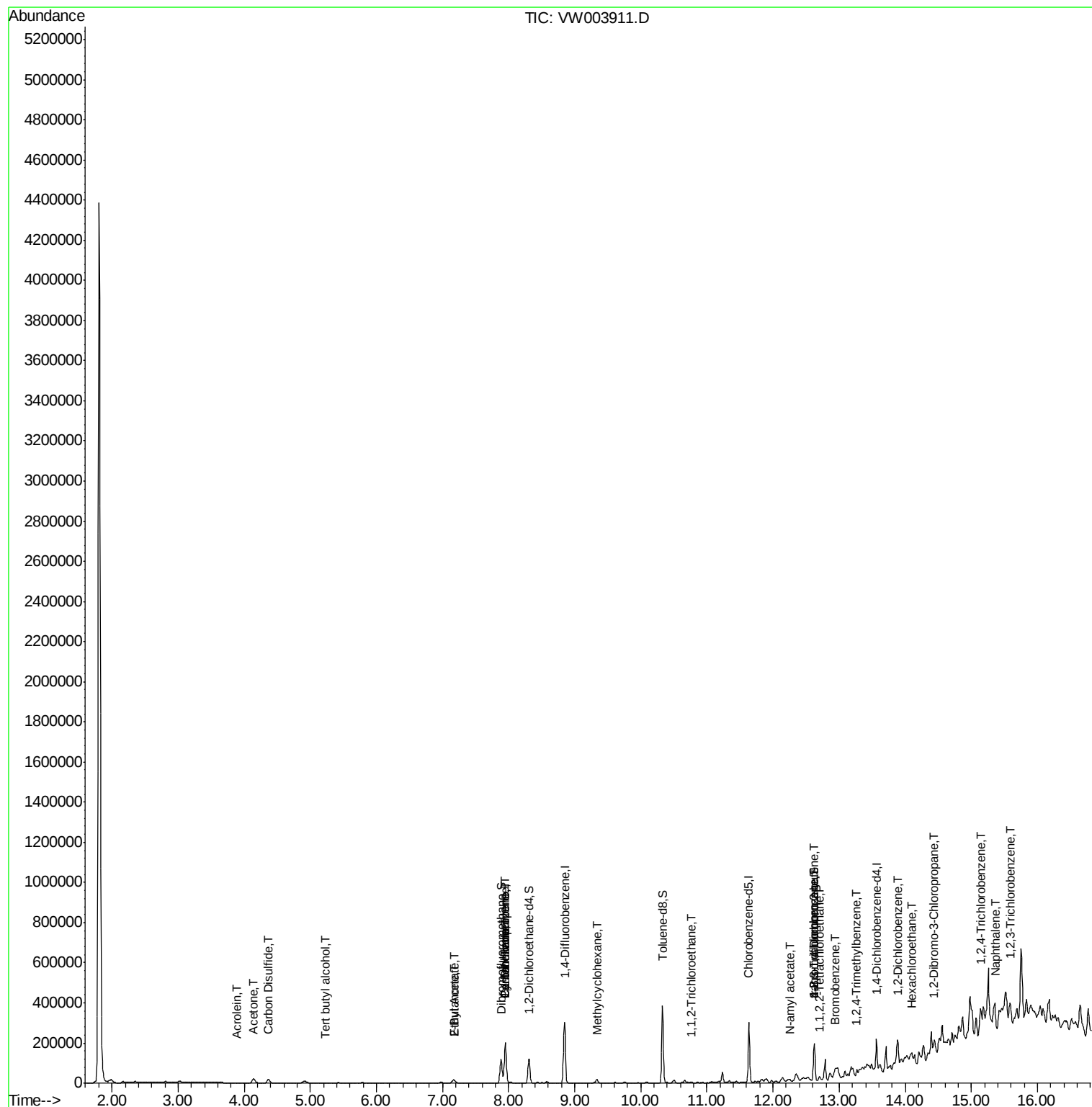
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	155	1.599	ug/l #	70
13) Acrolein	3.90	56	199	5.953	ug/l #	14
16) Acetone	4.14	43	41083	132.415	ug/l	99
17) Carbon Disulfide	4.37	76	40963	9.727	ug/l	98
20) Methylene Chloride	4.92	84	5994	Below Cal		86
25) 2-Butanone	7.18	43	11688	24.052	ug/l #	89
31) Cyclohexane	7.95	56	8092	3.101	ug/l #	69
36) 1,1-Dichloropropene	7.95	75	11658	4.517	ug/l #	52
37) Ethyl Acetate	7.18	43	11688	9.306	ug/l #	70
38) Carbon Tetrachloride	7.95	117	14378	5.859	ug/l #	16
39) Methylcyclohexane	9.34	83	6164	2.180	ug/l	92
55) 1,1,2-Trichloroethane	10.77	97	1885	1.345	ug/l #	20
74) N-amyl acetate	12.26	43	3759	4.814	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.69	83	1646	2.819	ug/l #	82
76) 1,2,3-Trichloropropane	12.62	75	29157	69.804	ug/l #	100
77) Bromobenzene	12.93	156	4669	6.529	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	29157	170.758	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	3569	1.384	ug/l	94
90) Hexachloroethane	14.10	117	771	1.495	ug/l #	10
91) 1,2-Dichlorobenzene	13.88	146	4063	3.116	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.43	75	168	1.662	ug/l	82
93) 1,2,4-Trichlorobenzene	15.15	180	1225	1.388	ug/l #	1
95) Naphthalene	15.38	128	2502	1.586	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.59	180	2616	3.310	ug/l #	33

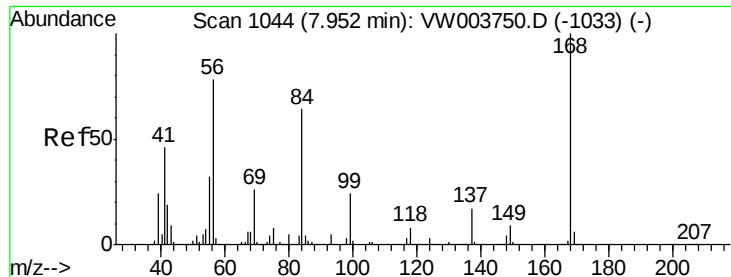
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071218\
Data File : VW003911.D
Acq On : 12 Jul 2018 21:24
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Misc : 5.65G/5ML/MSVOA W/SOIL
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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 13 05:56:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

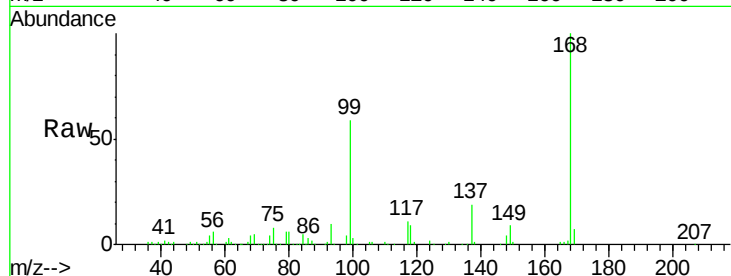
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 136747

Ion Ratio Lower Upper

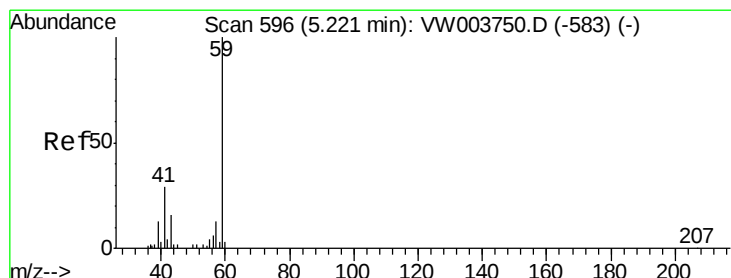
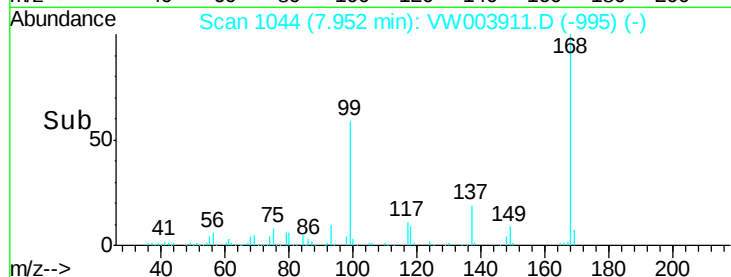
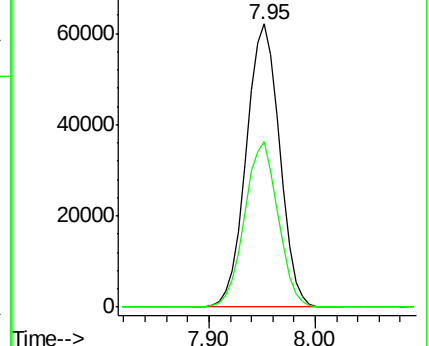
168 100

99 58.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.599 ug/l

RT: 5.23 min Scan# 598

Delta R.T. 0.01 min

Lab File: VW003911.D

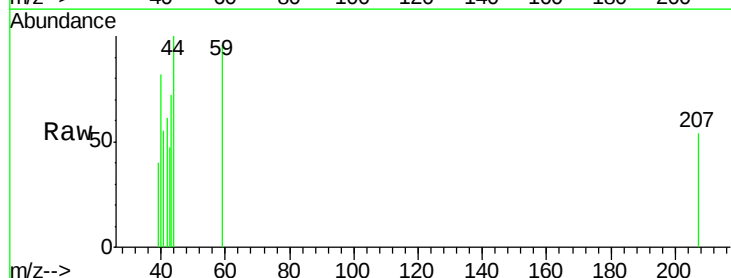
Acq: 12 Jul 2018 21:24

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

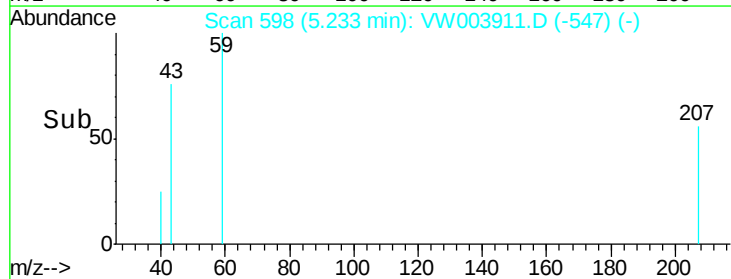
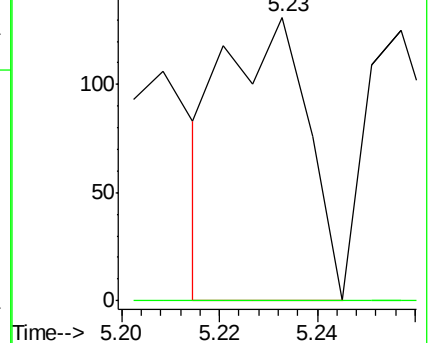
59 100

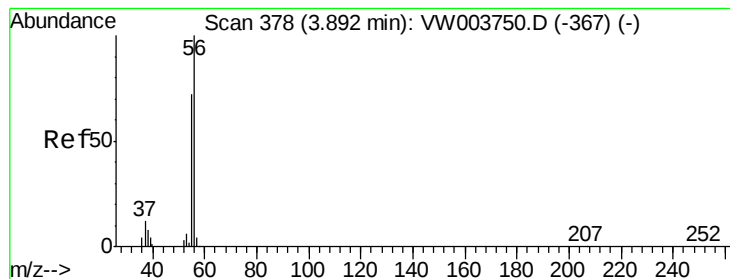
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.953 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

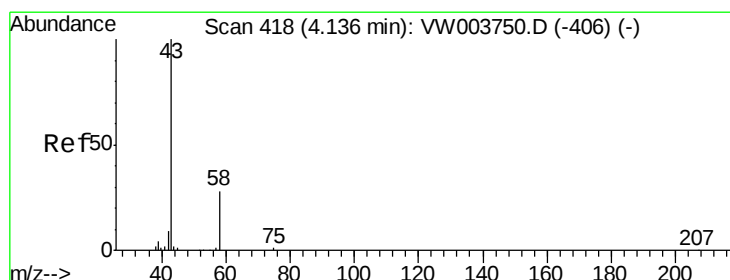
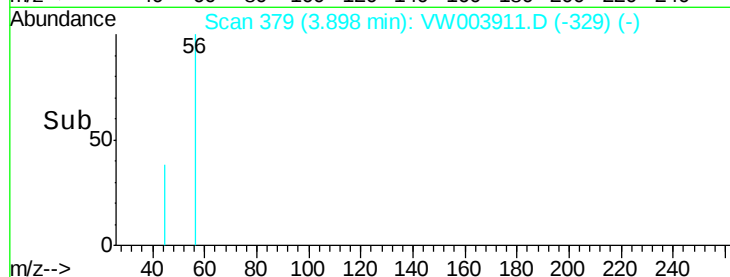
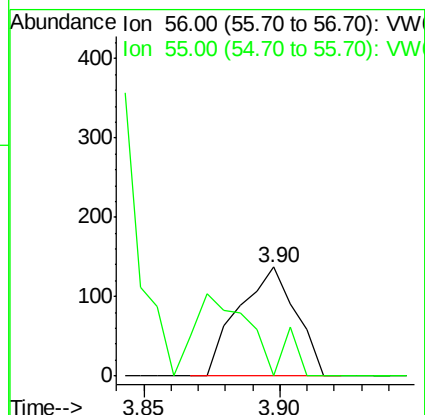
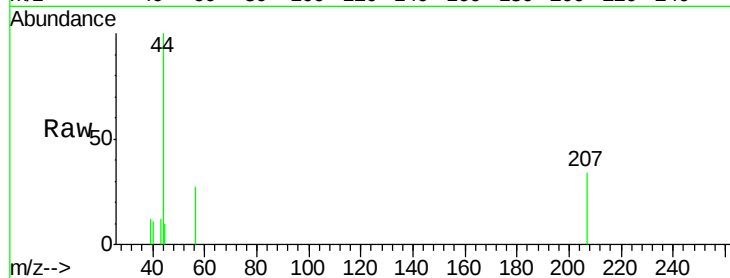
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#16

Acetone

Concen: 132.415 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003911.D

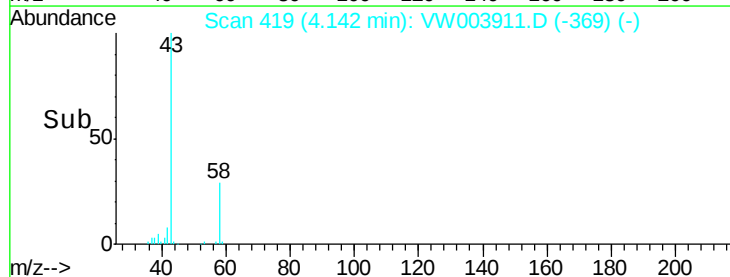
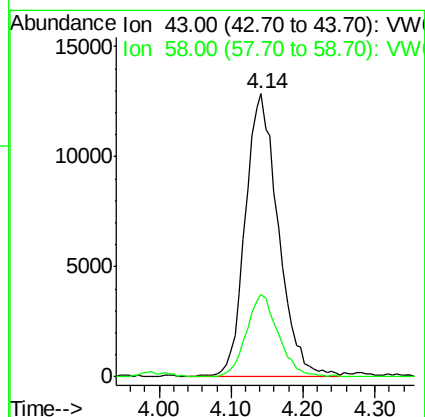
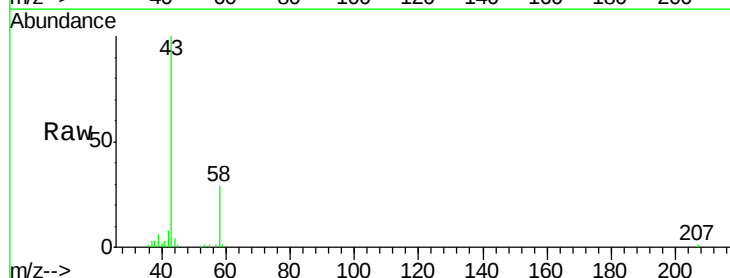
Acq: 12 Jul 2018 21:24

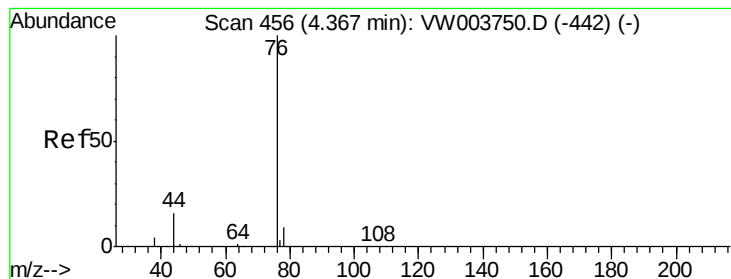
Tgt Ion: 43 Resp: 41083

Ion Ratio Lower Upper

43 100

58 29.0 22.6 34.0





#17

Carbon Disulfide

Concen: 9.727 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

Instrument :

MSVOA_W

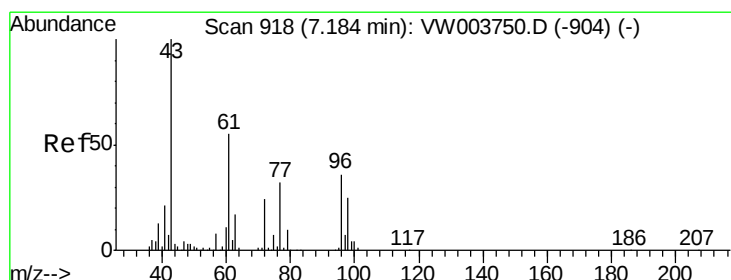
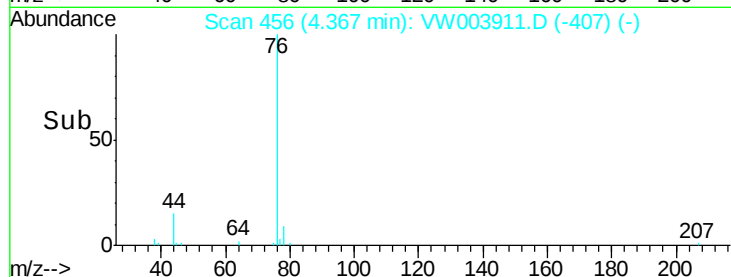
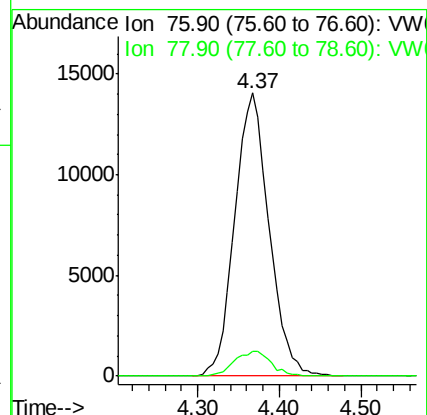
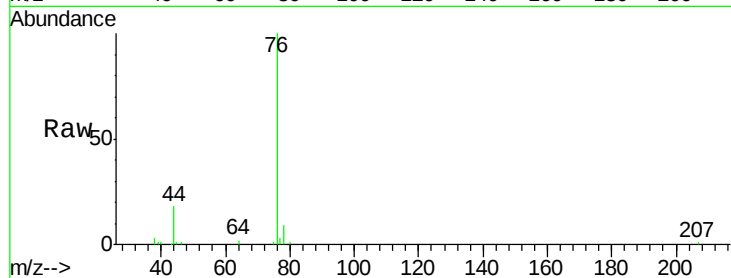
ClientSampleId :

Tot Ion: 76 Resp: 40963

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



#25

2-Butanone

Concen: 24.052 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003911.D

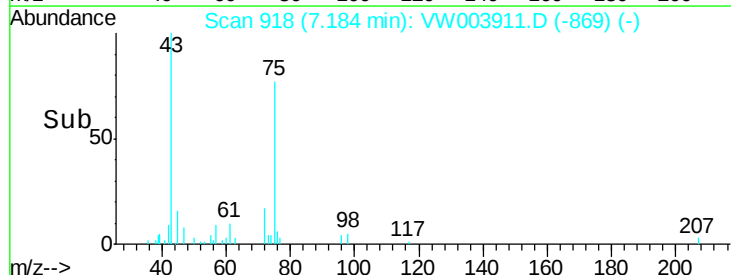
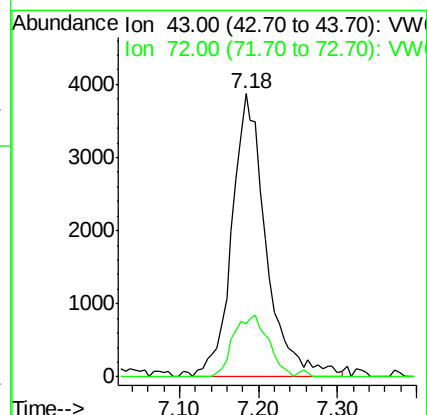
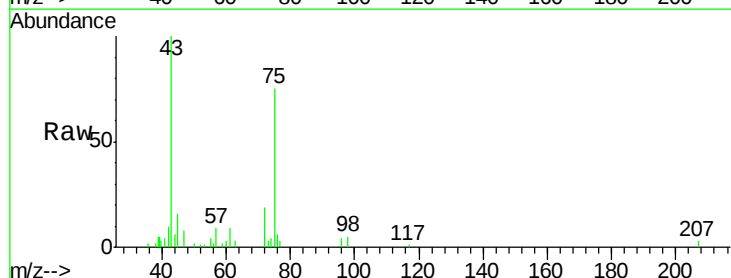
Acq: 12 Jul 2018 21:24

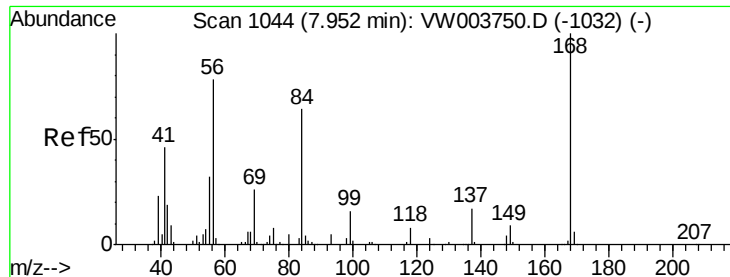
Tgt Ion: 43 Resp: 11688

Ion Ratio Lower Upper

43 100

72 18.9 19.4 29.2#

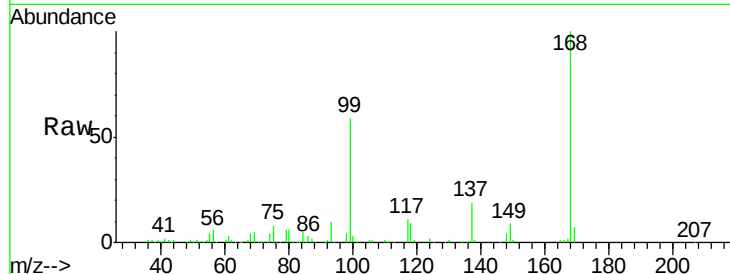




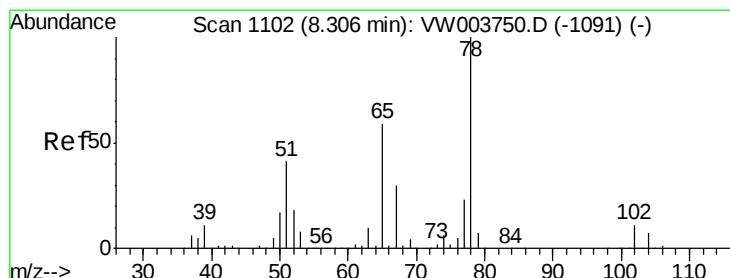
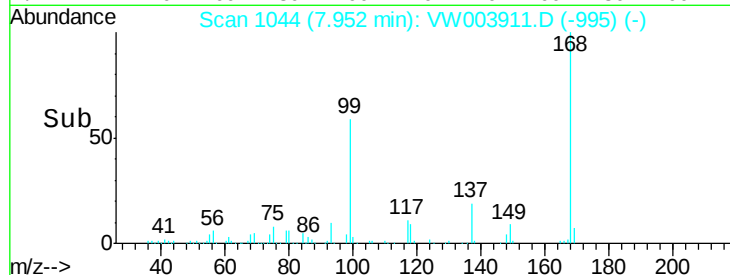
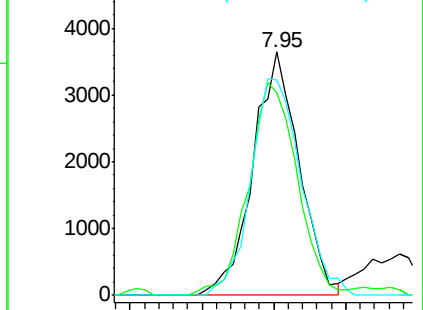
#31
Cyclohexane
Concen: 3.101 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003911.D
Acq: 12 Jul 2018 21:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 8092
Ion Ratio Lower Upper
56 100
69 83.0 26.2 39.4#
84 88.7 65.5 98.3

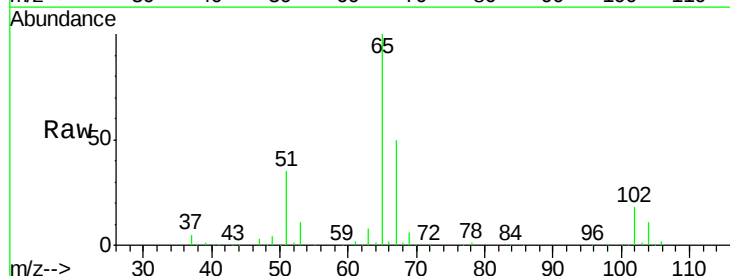


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

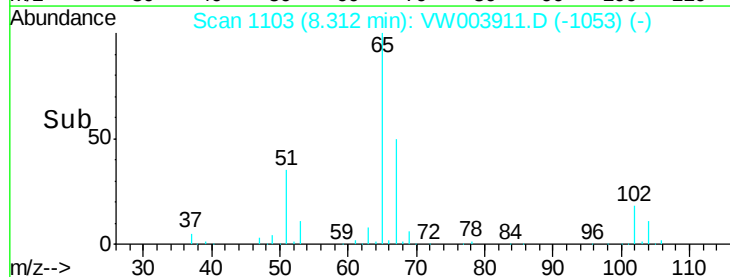
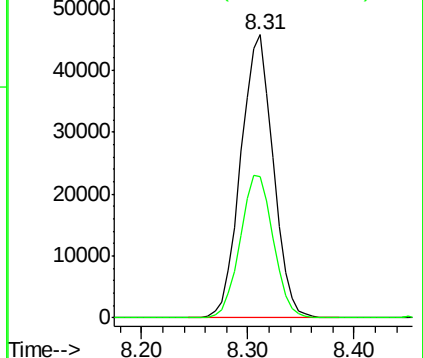


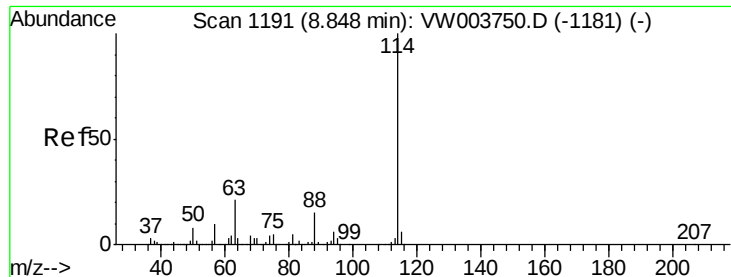
#33
1,2-Dichloroethane-d4
Concen: 54.820 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003911.D
Acq: 12 Jul 2018 21:24

Tgt Ion: 65 Resp: 98034
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

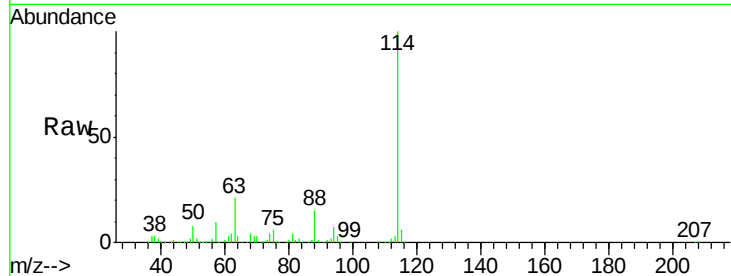




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003911.D
 Acq: 12 Jul 2018 21:24

Instrument :
 MSVOA_W
 ClientSampleId :

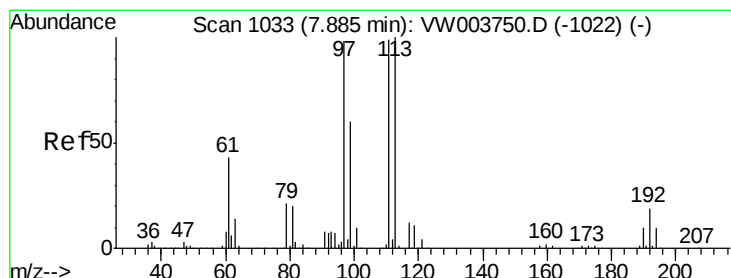
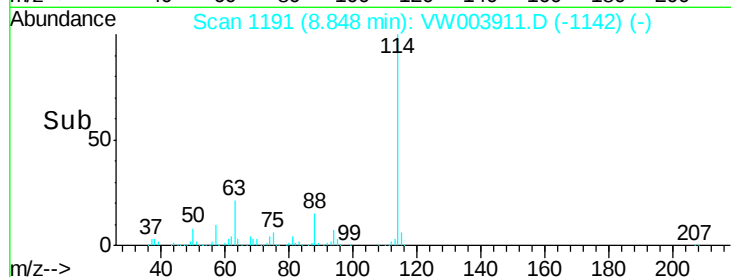
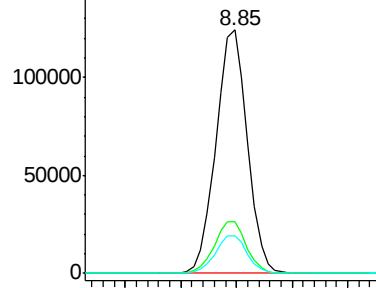
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	15.5	0.0	30.2



Abundance Ion 113.90 (113.60 to 114.60): V

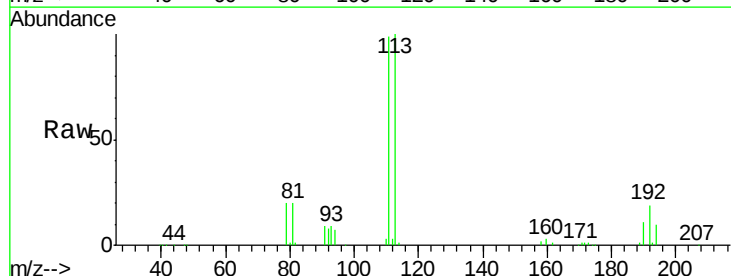
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 49.245 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003911.D
 Acq: 12 Jul 2018 21:24

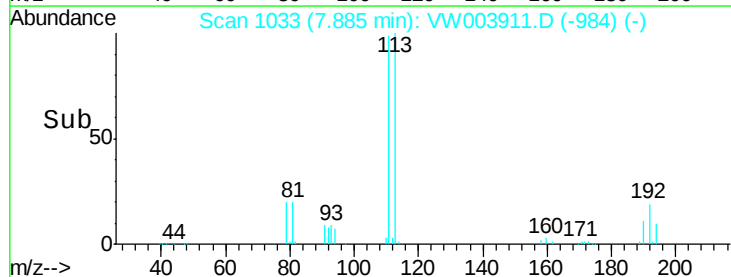
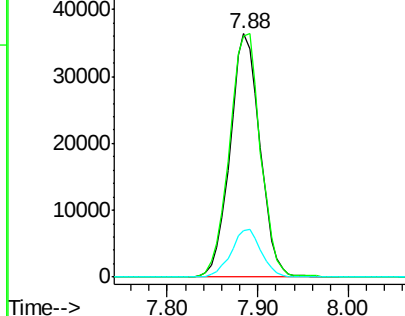
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.7	122.5
192	19.7	15.8	23.8

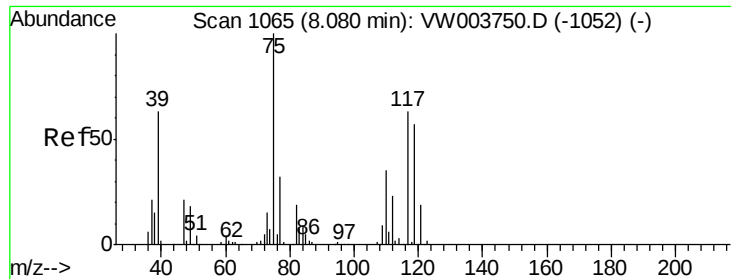


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.517 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

Instrument :
MSVOA_W
ClientSampled :

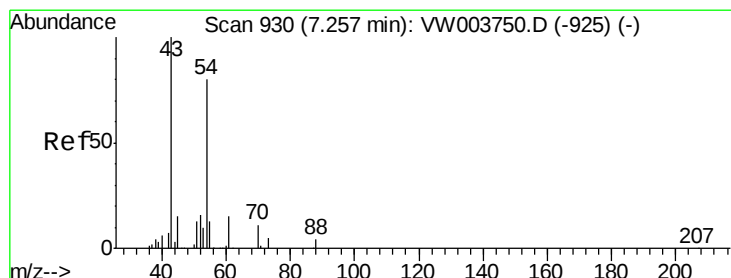
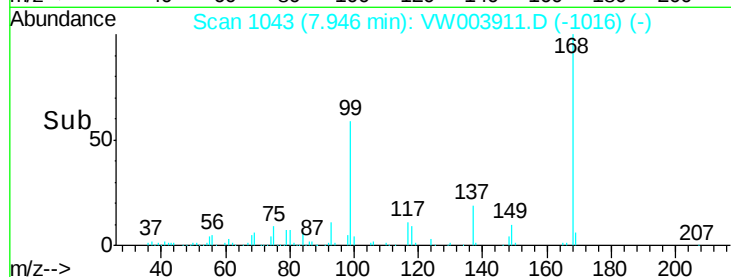
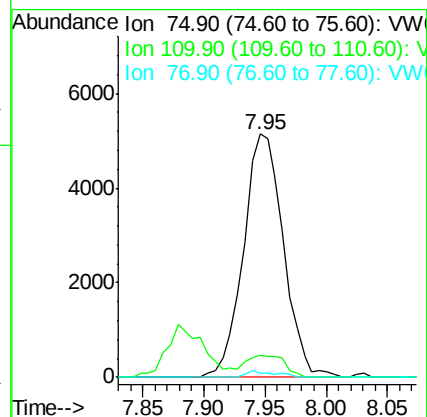
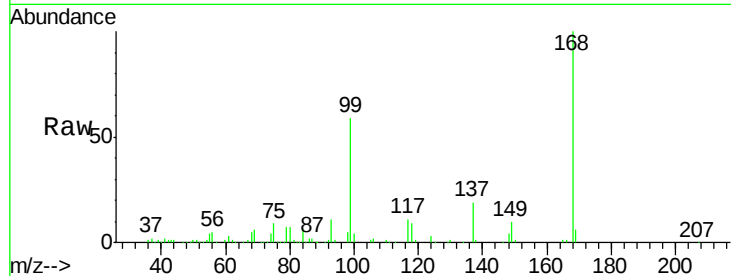
Tot Ion: 75 Resp: 11658

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.6#

77 1.9 24.8 37.2#



#37

Ethyl Acetate

Concen: 9.306 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

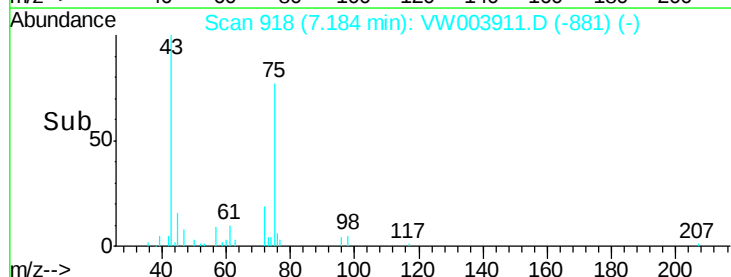
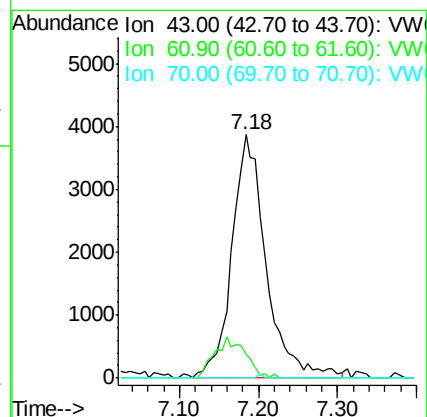
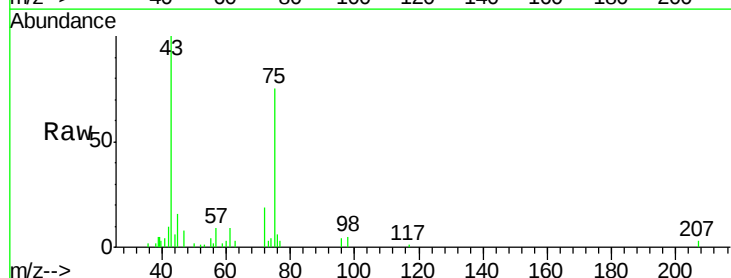
Tgt Ion: 43 Resp: 11688

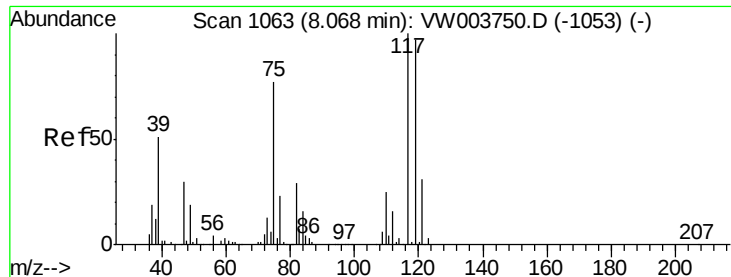
Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.2 7.5 11.3#

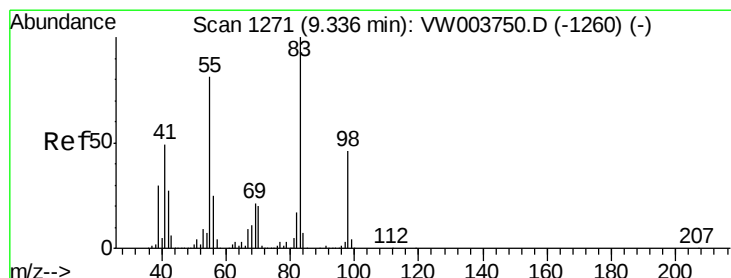
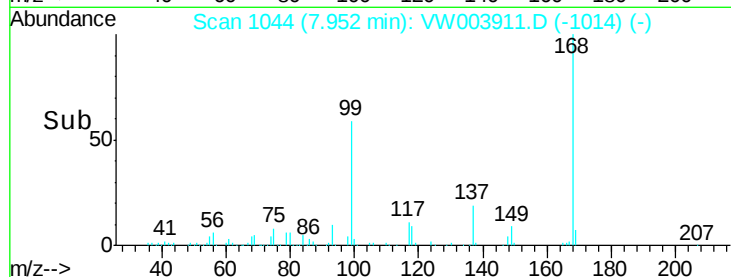
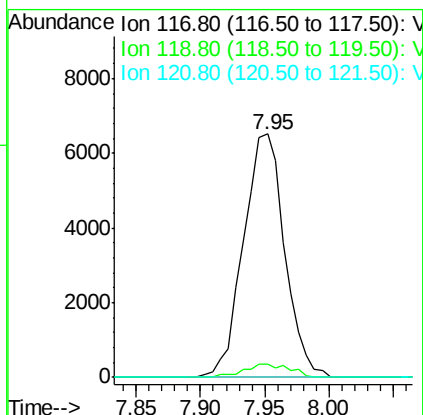
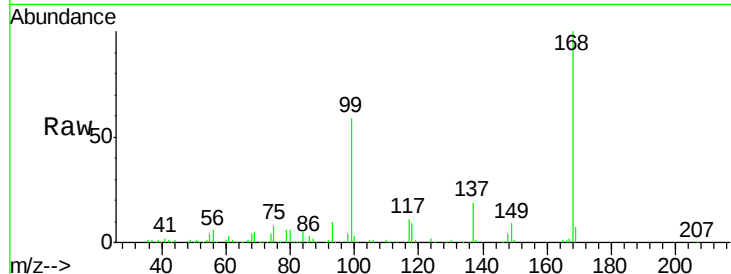




#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003911.D
Acq: 12 Jul 2018 21:24

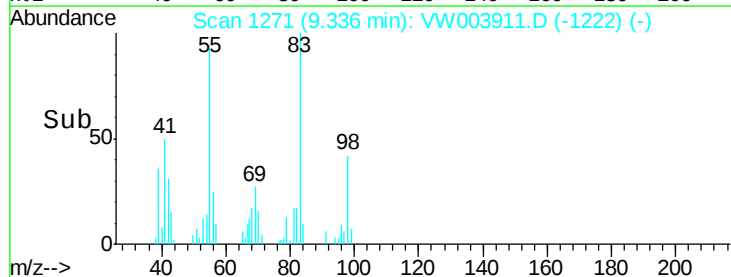
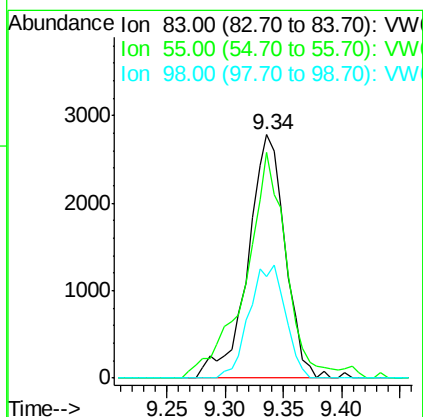
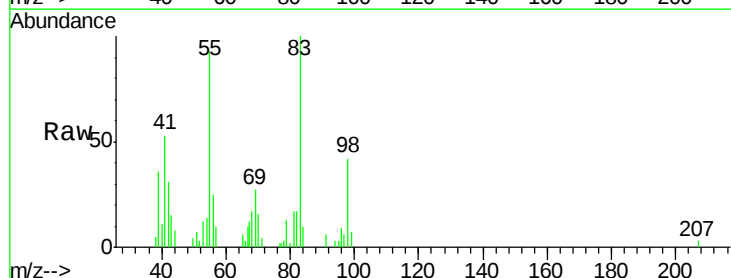
Instrument :
MSVOA_W
ClientSampled :

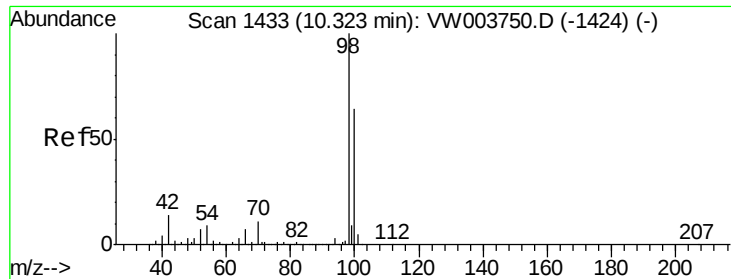
Tot Ion:117 Resp: 14378
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 2.180 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003911.D
Acq: 12 Jul 2018 21:24

Tgt Ion: 83 Resp: 6164
Ion Ratio Lower Upper
83 100
55 89.9 65.1 97.7
98 41.8 36.7 55.1





#50

Toluene-d8

Concen: 37.544 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

Instrument :

MSVOA_W

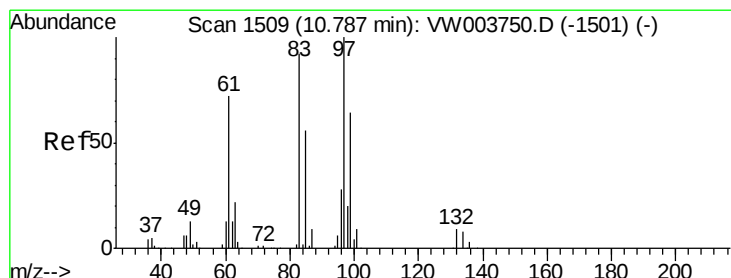
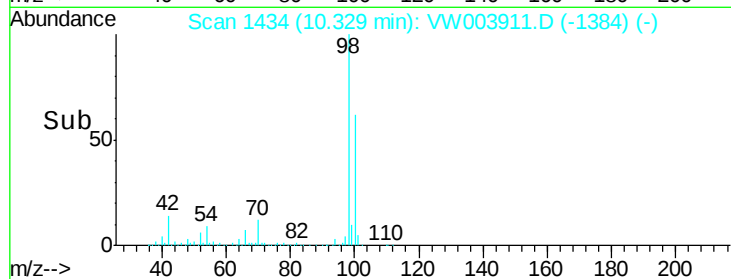
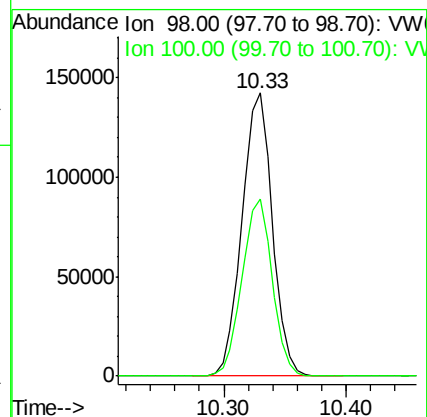
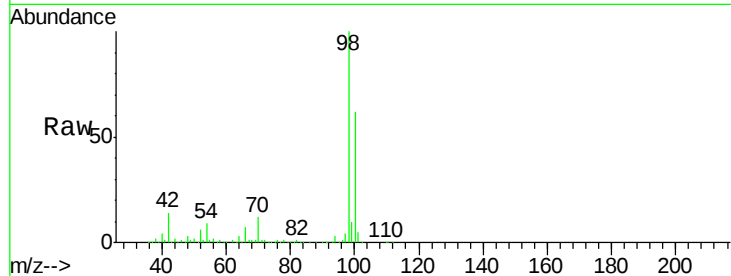
ClientSampleId :

Tot Ion: 98 Resp: 244513

Ion Ratio Lower Upper

98 100

100 62.4 50.8 76.2



#55

1,1,2-Trichloroethane

Concen: 1.345 ug/l

RT: 10.77 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

Tgt Ion: 97 Resp: 1885

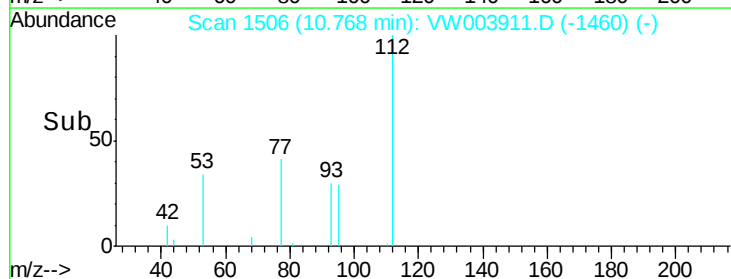
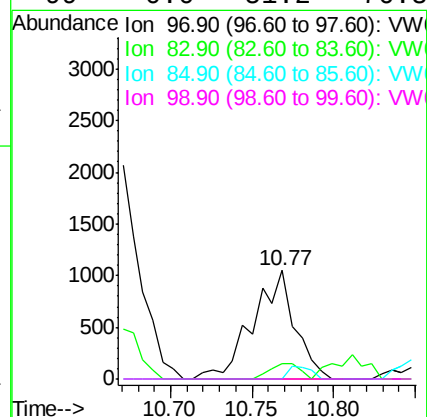
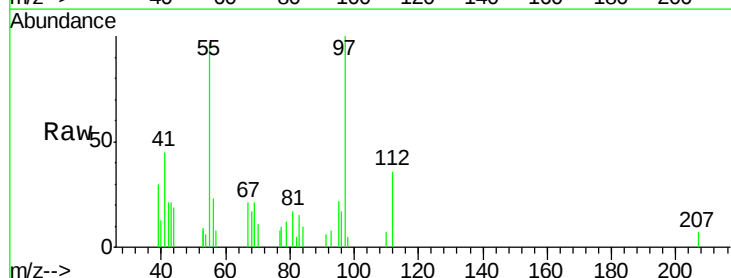
Ion Ratio Lower Upper

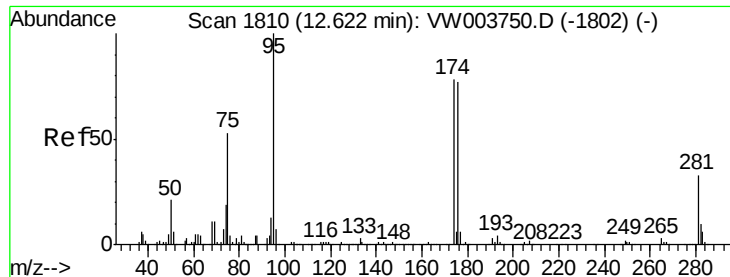
97 100

83 14.6 73.8 110.6#

85 0.0 45.0 67.4#

99 0.0 51.2 76.8#

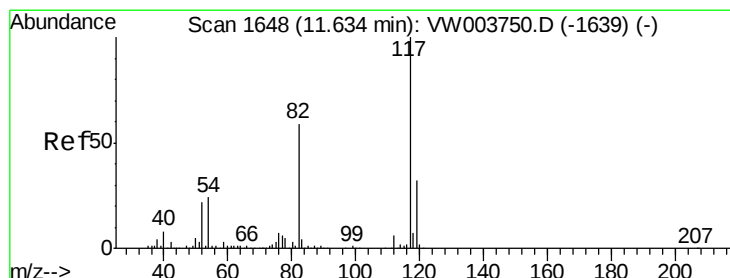
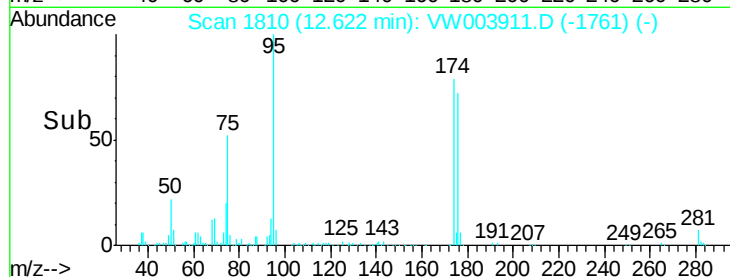
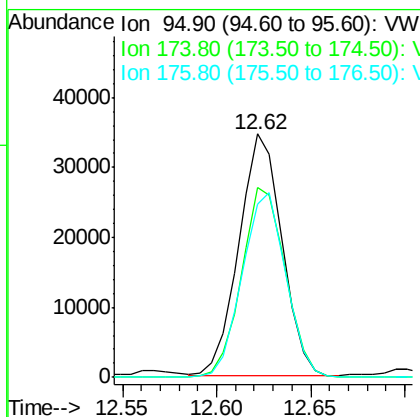
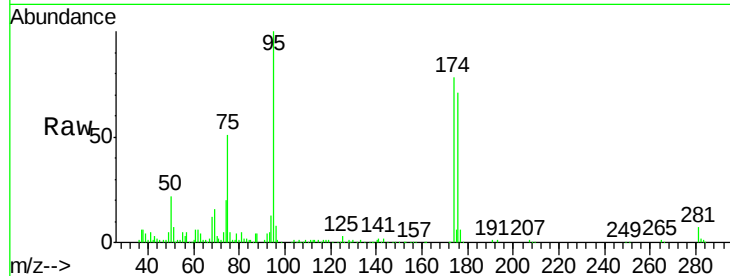




#62
4-Bromofluorobenzene
Concen: 23.261 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003911.D
Acq: 12 Jul 2018 21:24

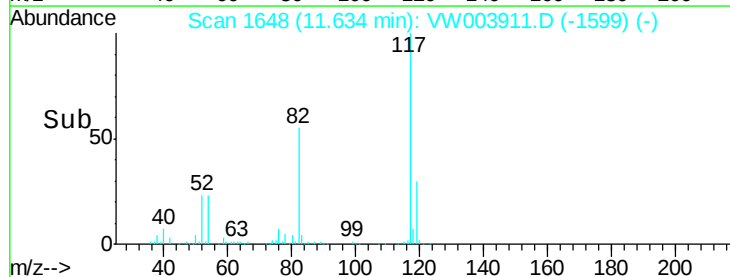
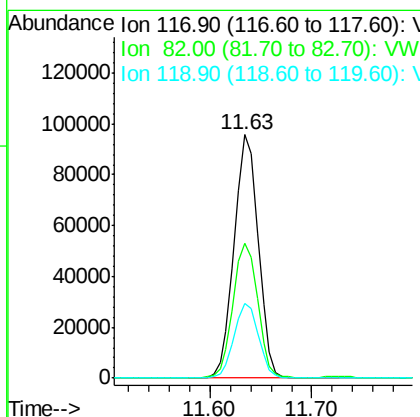
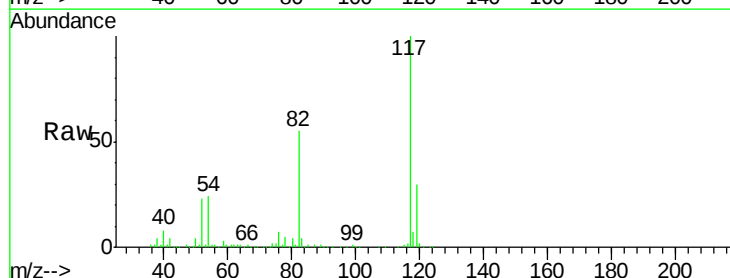
Instrument :
MSVOA_W
ClientSampleId :

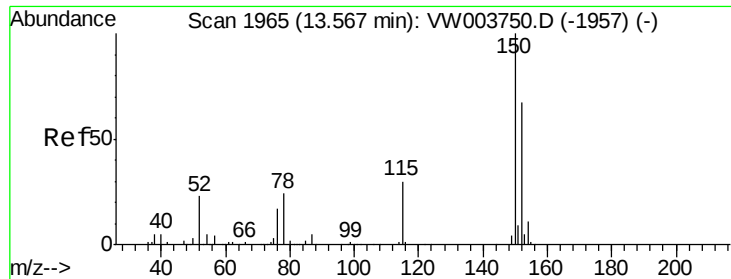
Tot Ion: 95 Resp: 54811
Ion Ratio Lower Upper
95 100
174 79.8 0.0 163.4
176 77.5 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003911.D
Acq: 12 Jul 2018 21:24

Tgt Ion: 117 Resp: 156081
Ion Ratio Lower Upper
117 100
82 54.9 46.9 70.3
119 30.5 25.5 38.3



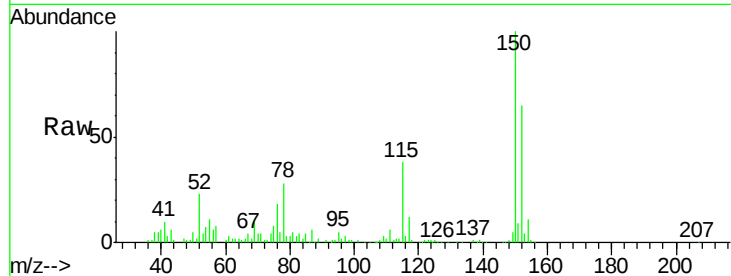


#72

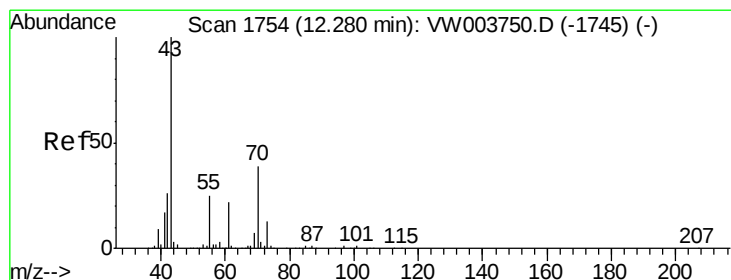
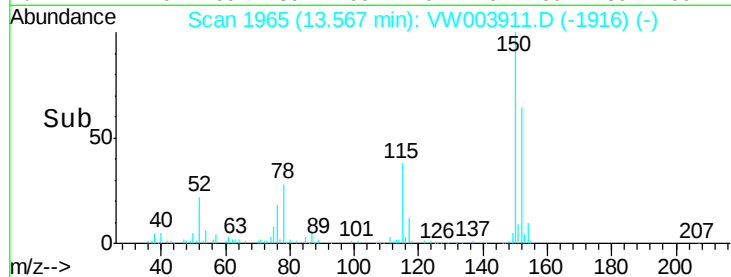
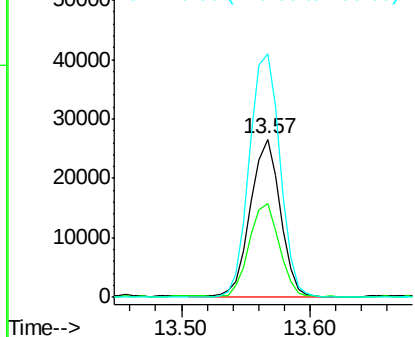
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003911.D
Acq: 12 Jul 2018 21:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 42536
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.8
150 159.0 0.0 342.4



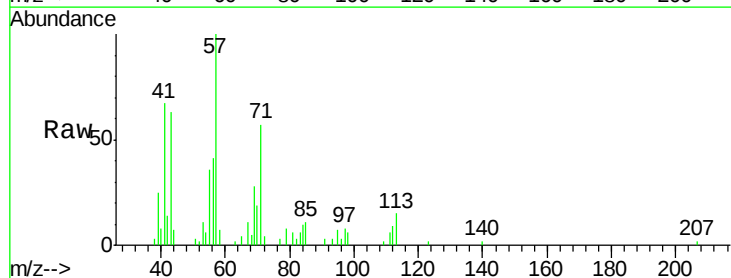
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



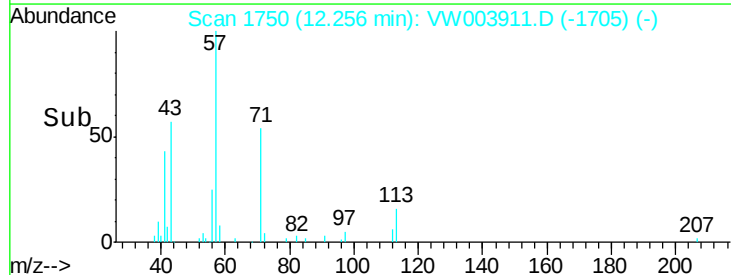
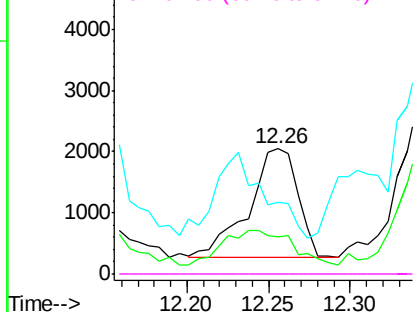
#74

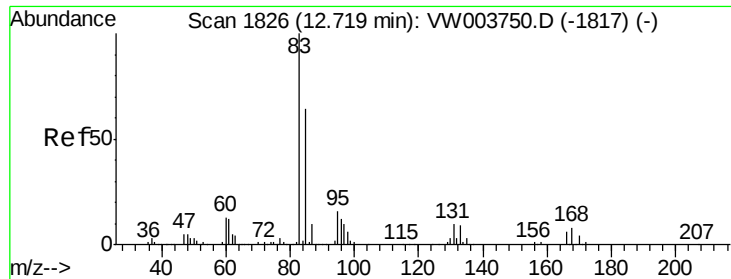
N-ethyl acetate
Concen: 4.814 ug/l
RT: 12.26 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VW003911.D
Acq: 12 Jul 2018 21:24

Tgt Ion: 43 Resp: 3759
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.1 30.1#
61 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VV
Ion 70.00 (69.70 to 70.70): VV
Ion 55.00 (54.70 to 55.70): VV
Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 2.819 ug/l

RT: 12.69 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

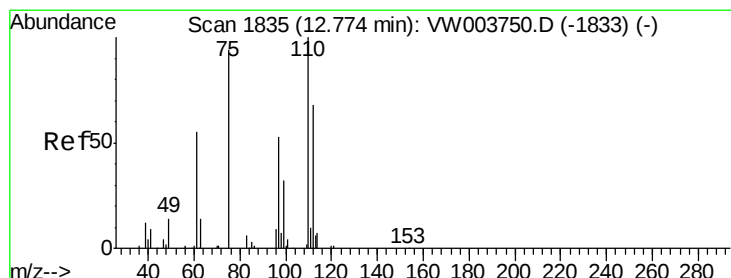
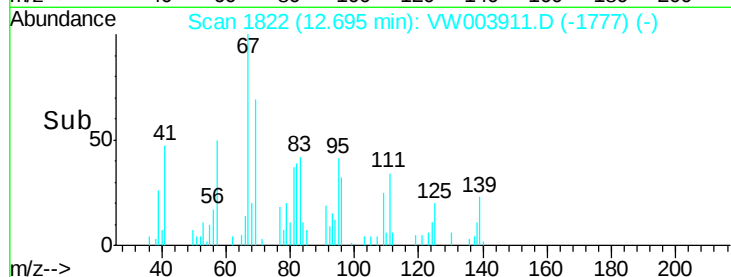
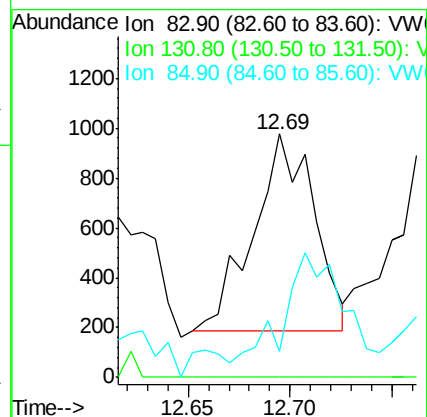
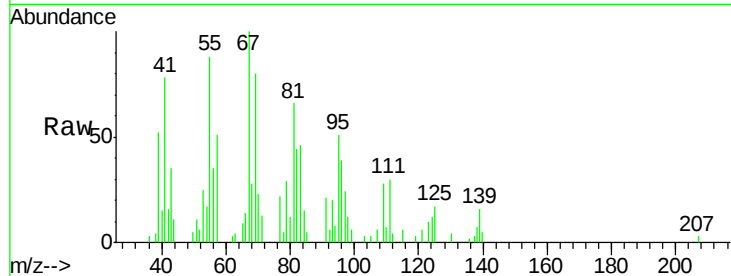
Tot Ion: 83 Resp: 1646

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

85 51.0 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 69.804 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003911.D

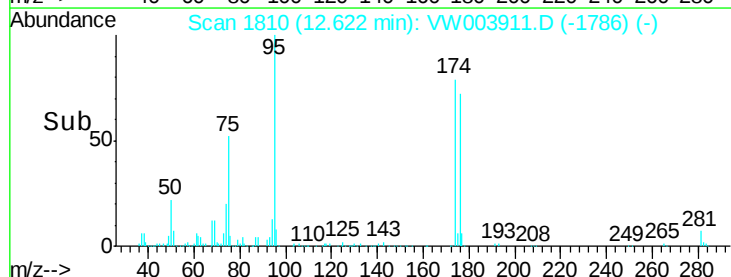
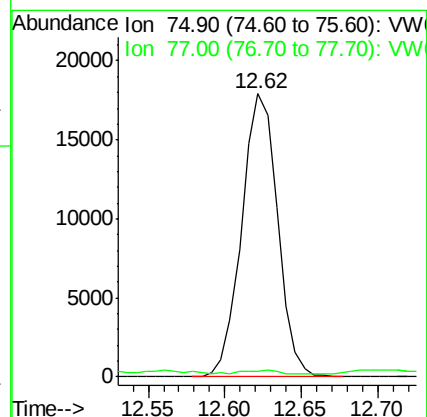
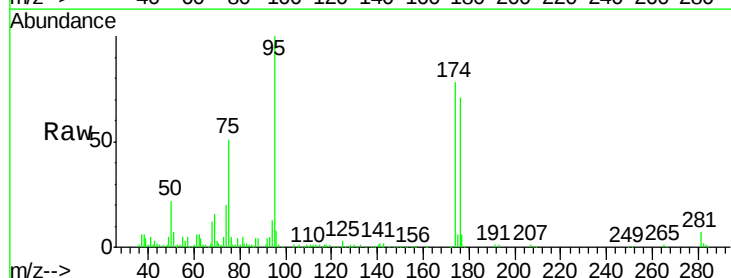
Acq: 12 Jul 2018 21:24

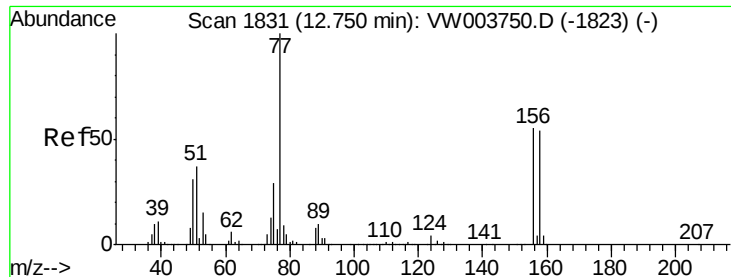
Tgt Ion: 75 Resp: 29157

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#77

Bromobenzene

Concen: 6.529 ug/l

RT: 12.93 min Scan# 1860

Delta R.T. 0.18 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

Instrument :

MSVOA_W

ClientSampled :

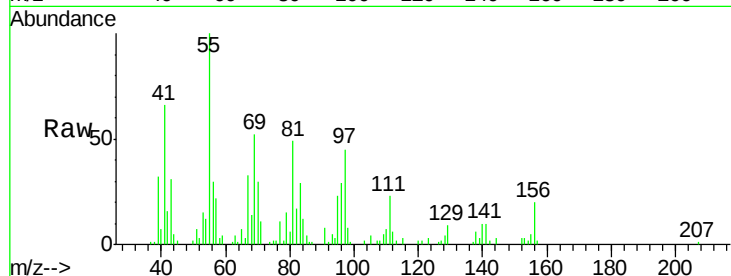
Tot Ion:156 Resp: 4669

Ion Ratio Lower Upper

156 100

77 29.5 98.7 296.0#

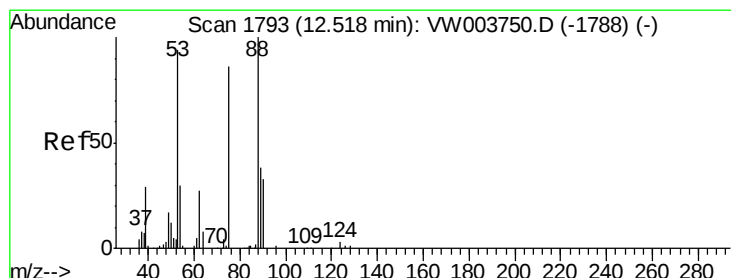
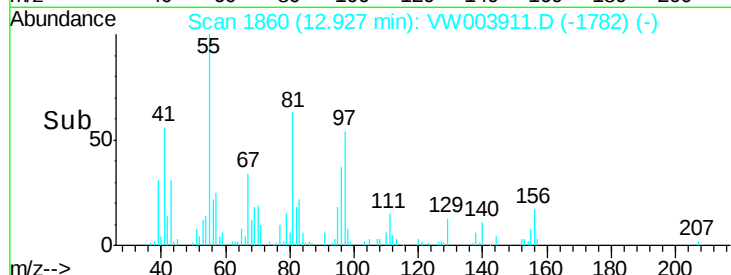
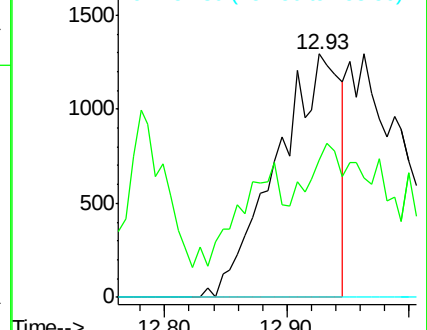
158 0.0 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 170.758 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

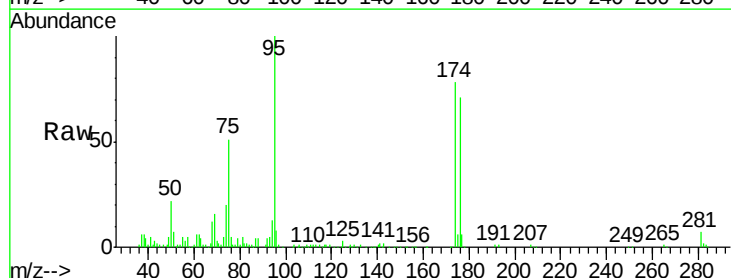
Tgt Ion: 75 Resp: 29157

Ion Ratio Lower Upper

75 100

53 1.6 85.0 127.6#

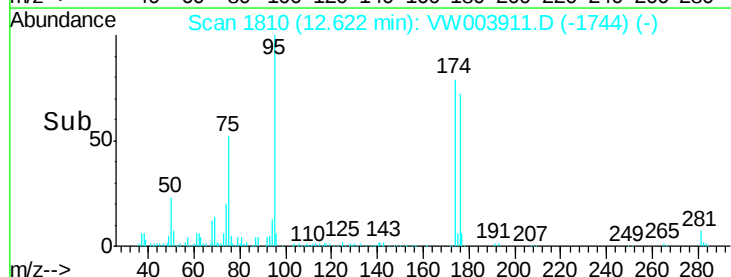
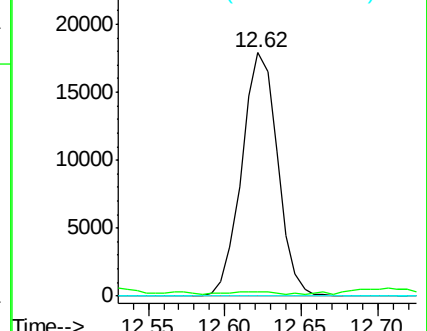
89 0.1 36.3 54.5#

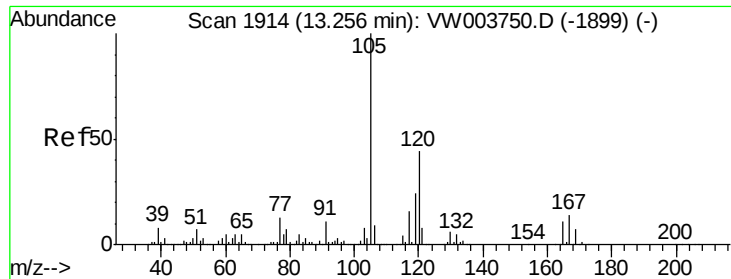


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

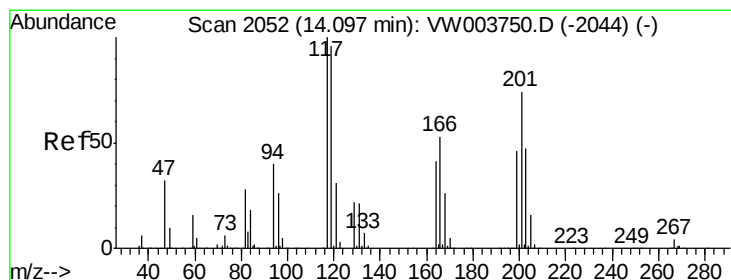
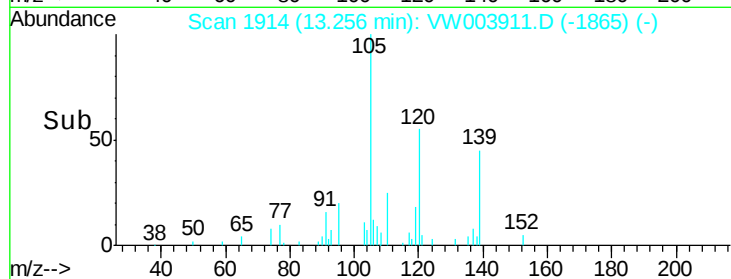
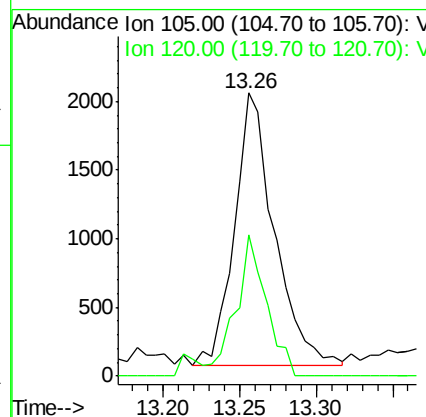
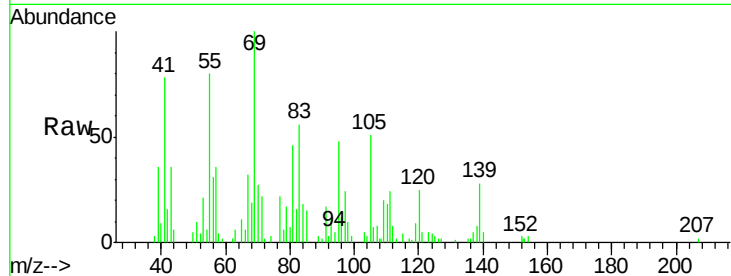




#84
 1,2,4-Trimethylbenzene
 Concen: 1.384 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003911.D
 Acq: 12 Jul 2018 21:24

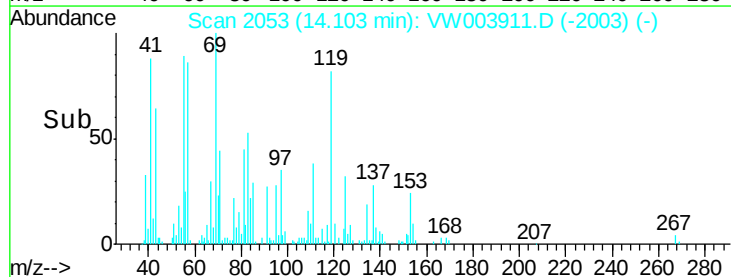
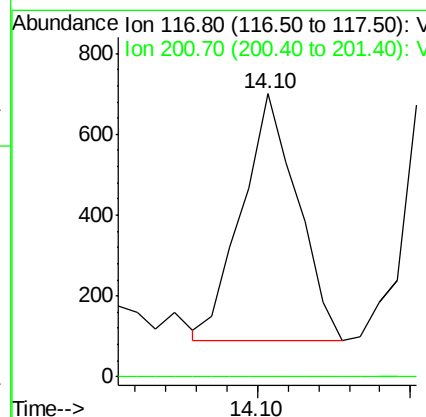
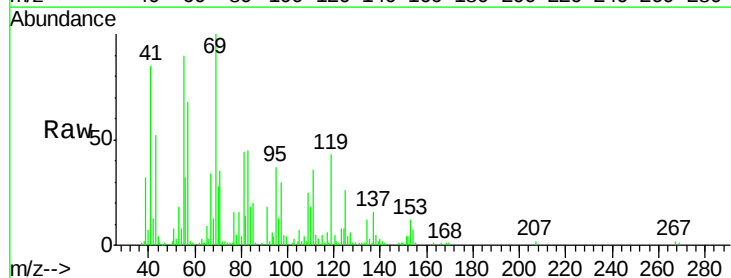
Instrument :
 MSVOA_W
 ClientSampled :

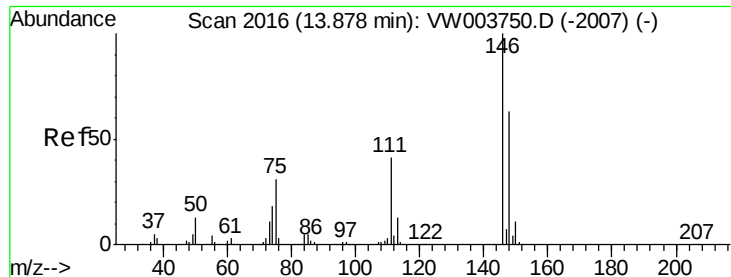
Tot Ion:105 Resp: 3569
 Ion Ratio Lower Upper
 105 100
 120 40.0 22.0 66.0



#90
 Hexachloroethane
 Concen: 1.495 ug/l
 RT: 14.10 min Scan# 2053
 Delta R.T. 0.01 min
 Lab File: VW003911.D
 Acq: 12 Jul 2018 21:24

Tgt Ion:117 Resp: 771
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.2 117.6#





#91

1,2-Dichlorobenzene

Concen: 3.116 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

Instrument :

MSVOA_W

ClientSampled :

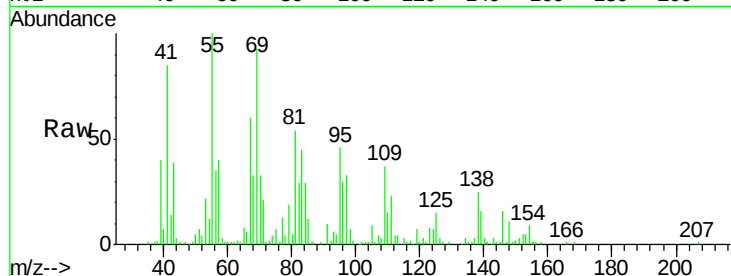
Tot Ion:146 Resp: 4063

Ion Ratio Lower Upper

146 100

111 220.9 20.7 62.1#

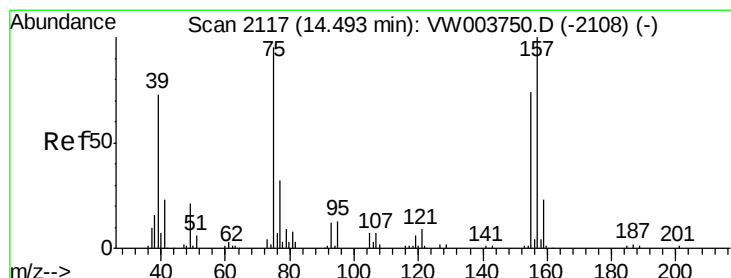
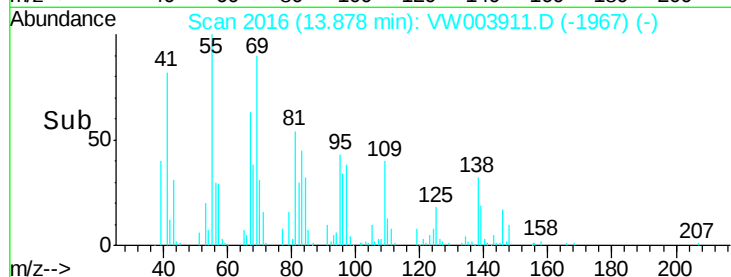
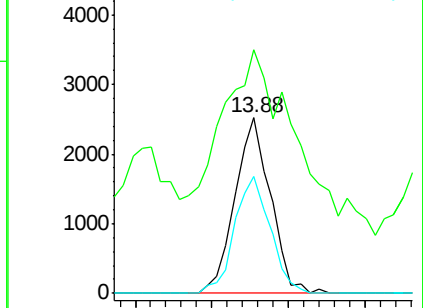
148 66.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.662 ug/l

RT: 14.43 min Scan# 2106

Delta R.T. -0.07 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

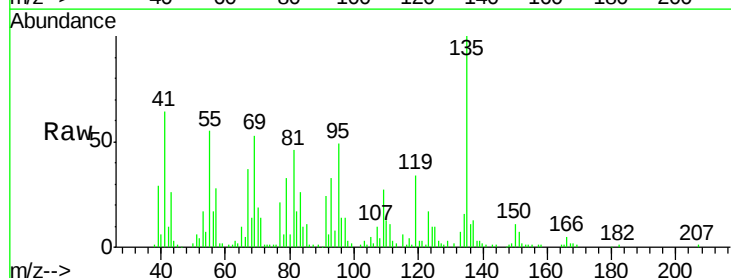
Tgt Ion: 75 Resp: 168

Ion Ratio Lower Upper

75 100

155 108.9 39.2 117.6

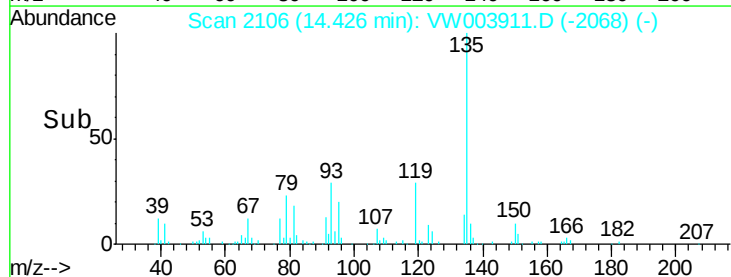
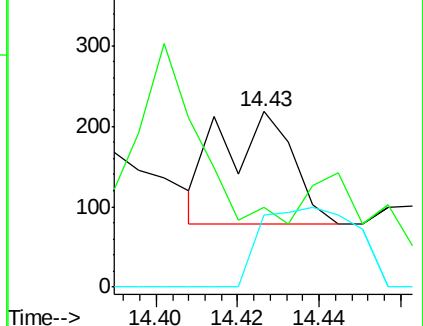
157 96.4 50.7 152.1

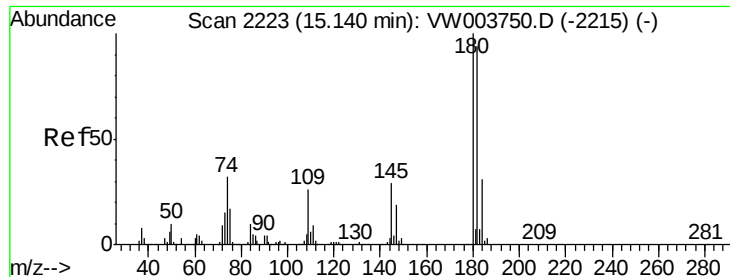


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

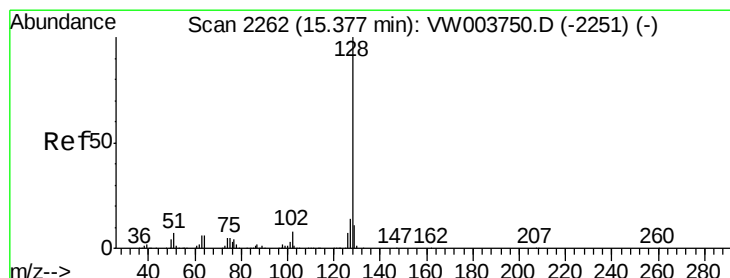
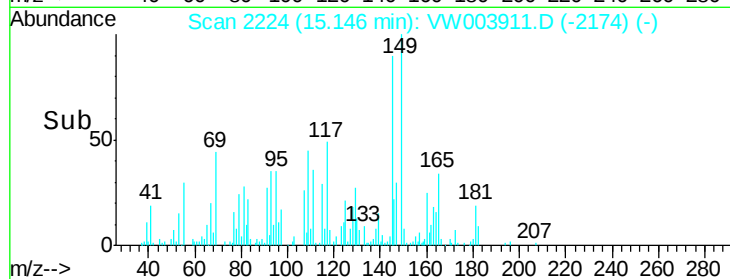
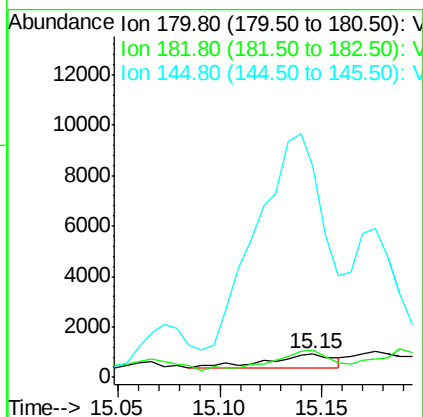
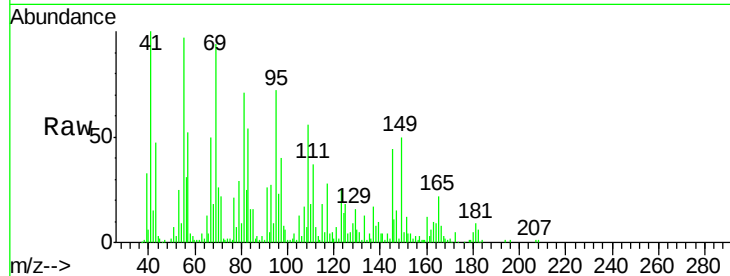




#93
 1,2,4-Trichlorobenzene
 Concen: 1.388 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003911.D
 Acq: 12 Jul 2018 21:24

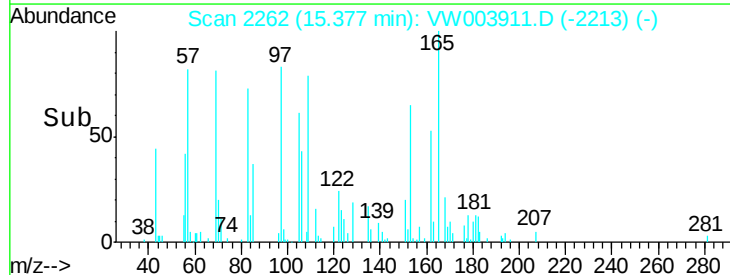
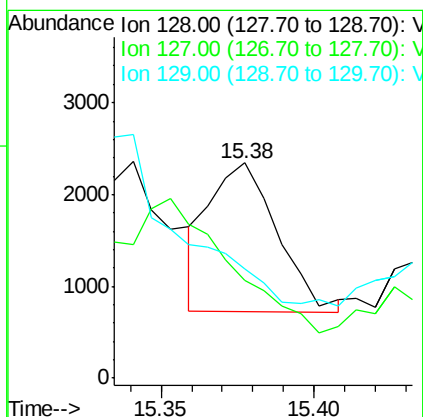
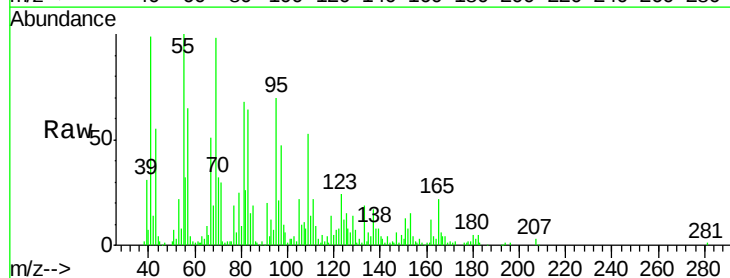
Instrument :
 MSVOA_W
 ClientSampleId :

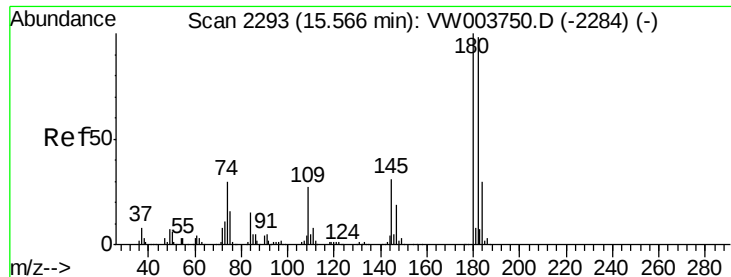
Tot Ion:180 Resp: 1225
 Ion Ratio Lower Upper
 180 100
 182 101.8 47.4 142.2
 145 1865.8 15.0 45.0#



#95
 Naphthalene
 Concen: 1.586 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VW003911.D
 Acq: 12 Jul 2018 21:24

Tgt Ion:128 Resp: 2502
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.8 16.2#
 129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 3.310 ug/l

RT: 15.59 min Scan# 2297

Delta R.T. 0.02 min

Lab File: VW003911.D

Acq: 12 Jul 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

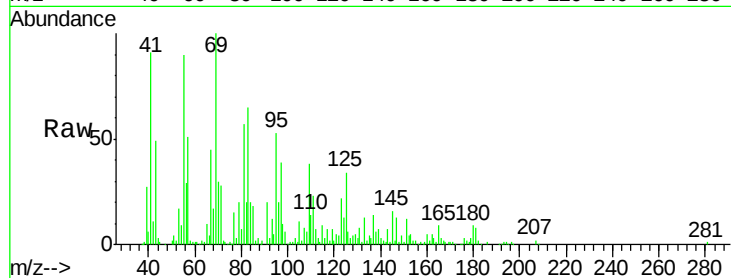
Tot Ion:180 Resp: 2616

Ion Ratio Lower Upper

180 100

182 26.3 47.4 142.3#

145 0.0 15.8 47.4#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

