

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003882.D
 Acq On : 11 Jul 2018 23:34
 Operator : SY/AP
 Sample : J3914-01RE
 Misc : 3.60G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:57:11 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	174948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	285066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	244490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	88564	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	115609	50.53	ug/l	0.00
Spiked Amount						
			Recovery	=	101.06%	
35) Dibromofluoromethane	7.88	113	98465	49.35	ug/l	0.00
Spiked Amount						
			Recovery	=	98.70%	
50) Toluene-d8	10.33	98	359115	47.05	ug/l	0.00
Spiked Amount						
			Recovery	=	94.10%	
62) 4-Bromofluorobenzene	12.62	95	106111	38.43	ug/l	0.00
Spiked Amount						
			Recovery	=	76.86%	

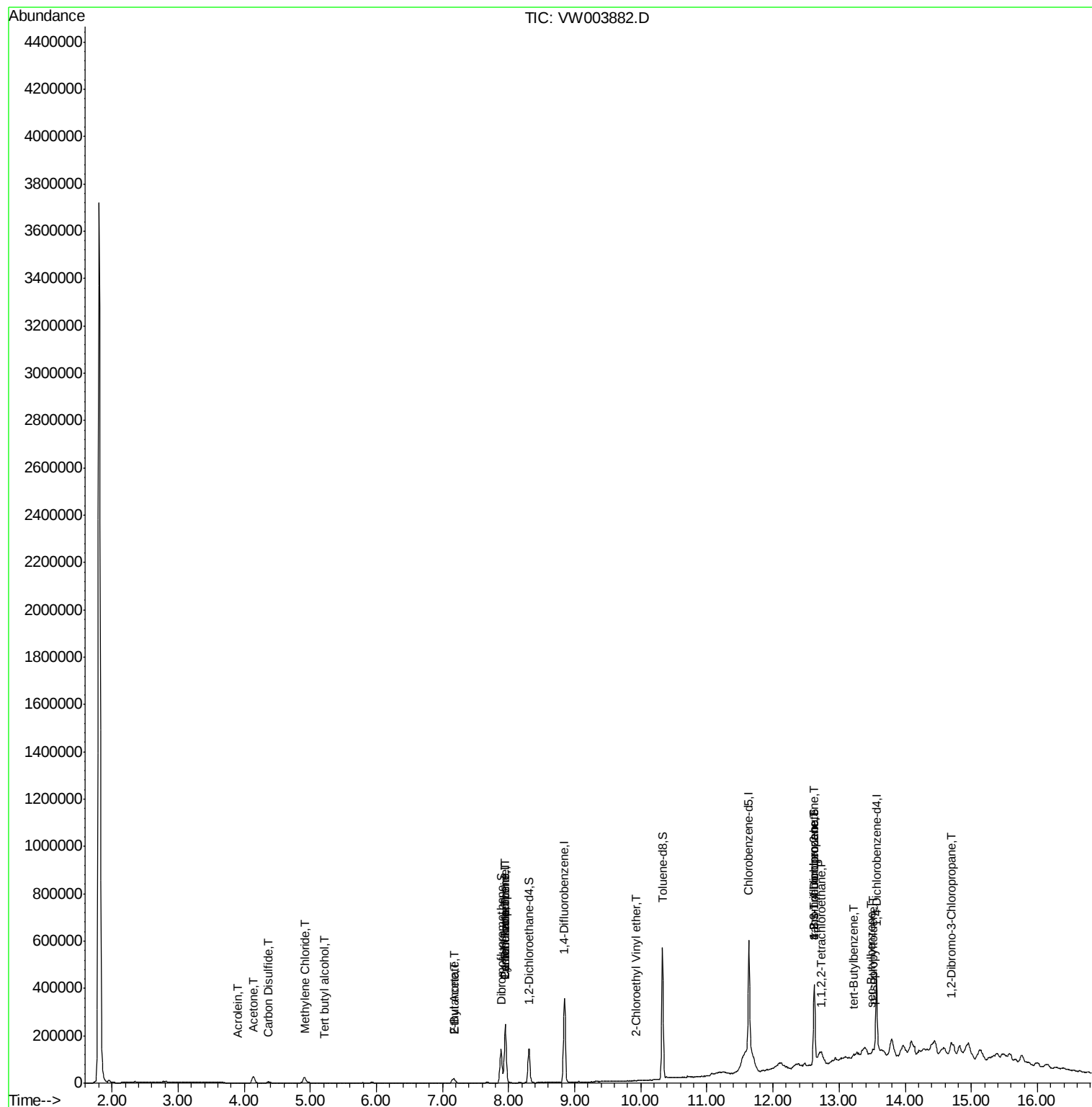
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	221	1.782	ug/l #	70
13) Acrolein	3.90	56	230	5.836	ug/l #	50
16) Acetone	4.14	43	51477	129.687	ug/l	100
17) Carbon Disulfide	4.37	76	12418	2.305	ug/l	97
20) Methylene Chloride	4.92	84	19029	5.977	ug/l	97
25) 2-Butanone	7.18	43	15841	25.480	ug/l	99
31) Cyclohexane	7.95	56	4669	1.399	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	14882	4.920	ug/l #	50
37) Ethyl Acetate	7.18	43	15841	10.763	ug/l #	70
38) Carbon Tetrachloride	7.95	117	18180	6.322	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.92	63	34	13.198	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.72	83	15985	13.147	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	54266	62.397	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54266	152.639	ug/l #	8
83) tert-Butylbenzene	13.22	119	11810	2.770	ug/l #	47
85) sec-Butylbenzene	13.49	105	13762	2.158	ug/l	94
86) p-Isopropyltoluene	13.51	119	10188	1.828	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.69	75	271	1.288	ug/l	67

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

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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: VW003882.D

Acq: 11 Jul 2018 23:34

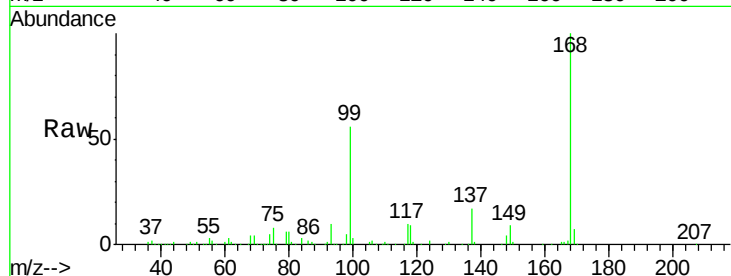
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 174948

Ion Ratio Lower Upper

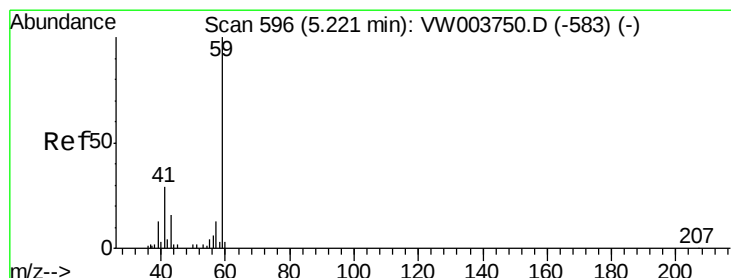
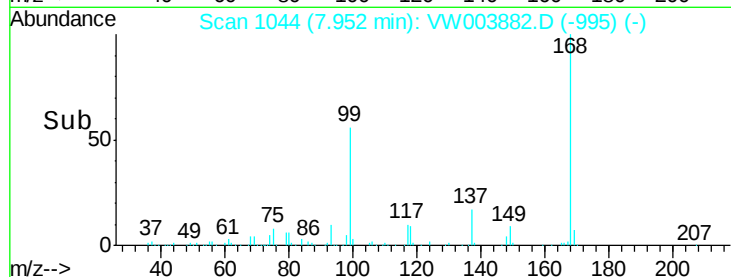
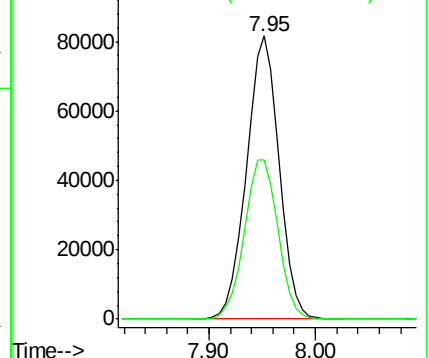
168 100

99 56.5 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: 1.782 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VW003882.D

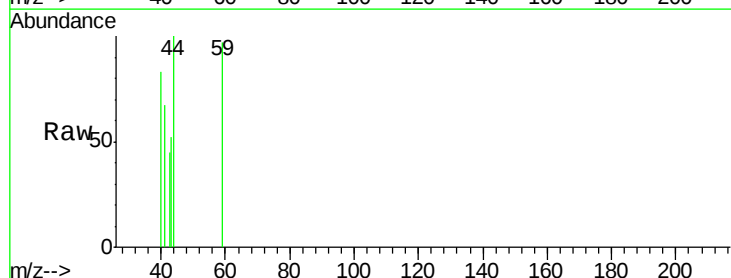
Acq: 11 Jul 2018 23:34

Tgt Ion: 59 Resp: 221

Ion Ratio Lower Upper

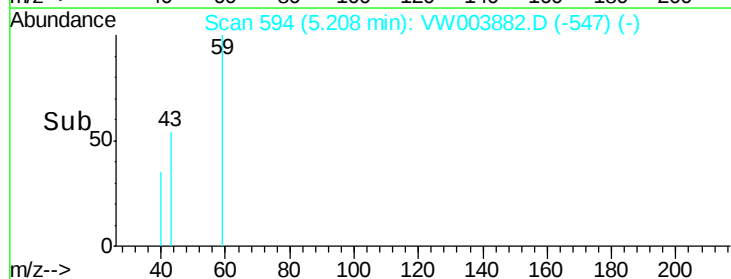
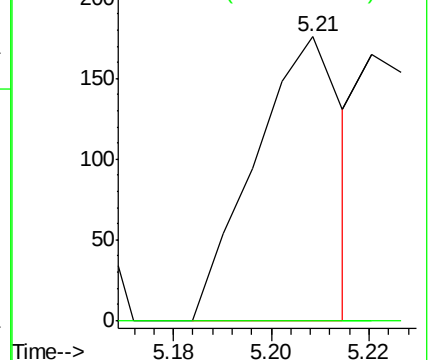
59 100

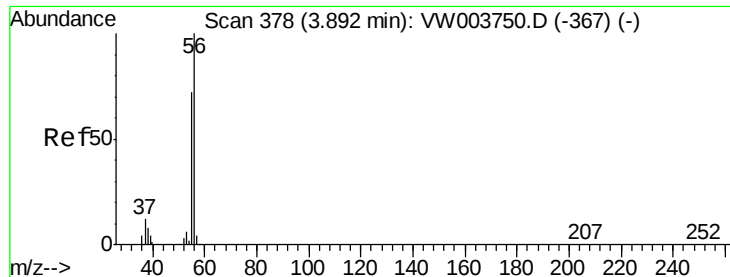
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

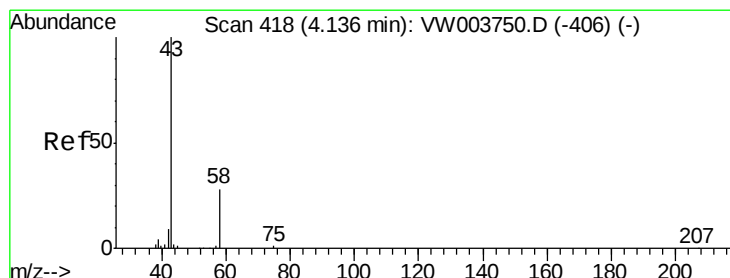
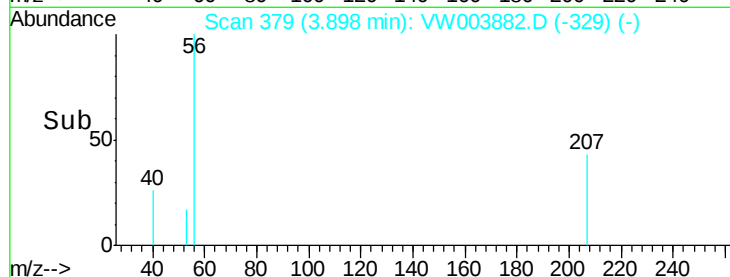
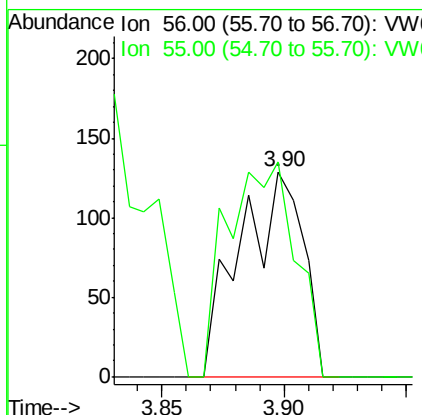
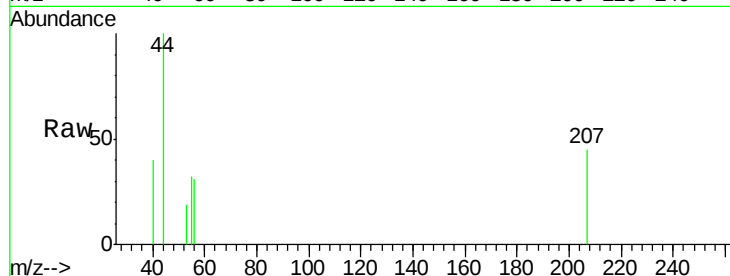




#13
Acrolein
Concen: 5.836 ug/l
RT: 3.90 min Scan# 379
Delta R.T. 0.01 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

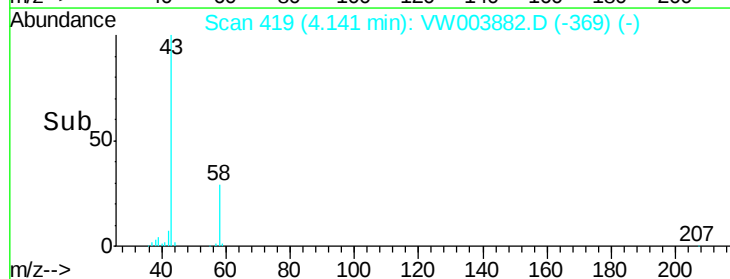
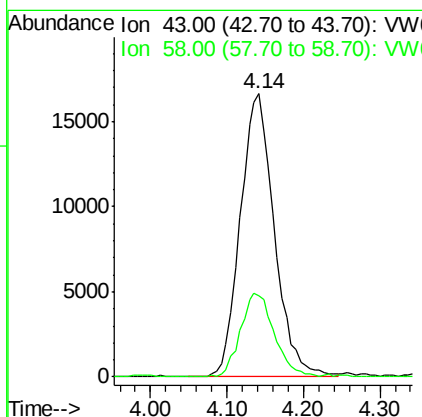
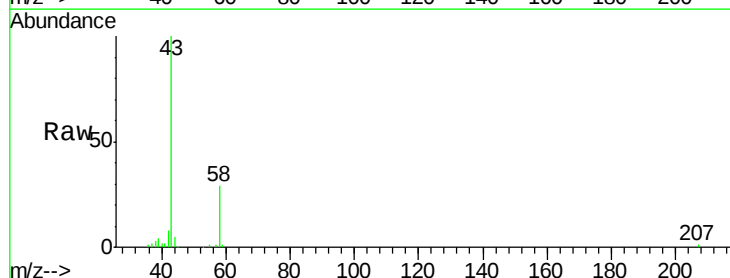
Instrument :
MSVOA_W
ClientSampled :

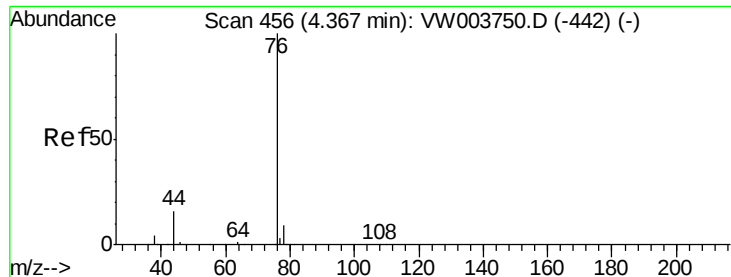
Tot Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 113.5 57.5 86.3#



#16
Acetone
Concen: 129.687 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

Tgt Ion: 43 Resp: 51477
Ion Ratio Lower Upper
43 100
58 28.6 22.6 34.0





#17

Carbon Disulfide

Concen: 2.305 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

Instrument :

MSVOA_W

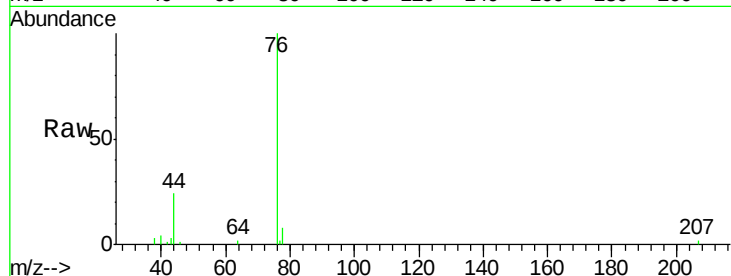
ClientSampleId :

Tot Ion: 76 Resp: 12418

Ion Ratio Lower Upper

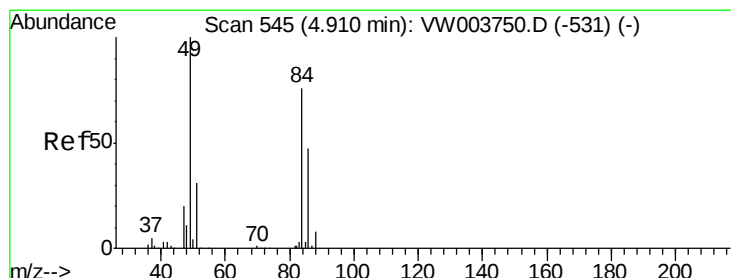
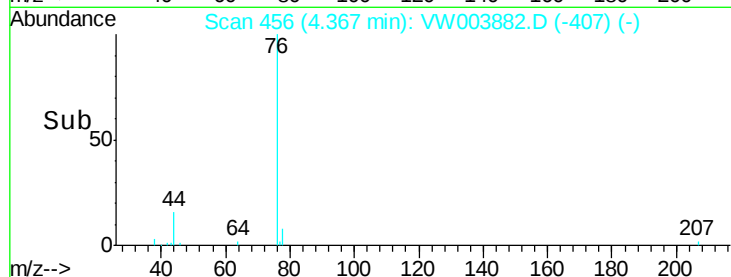
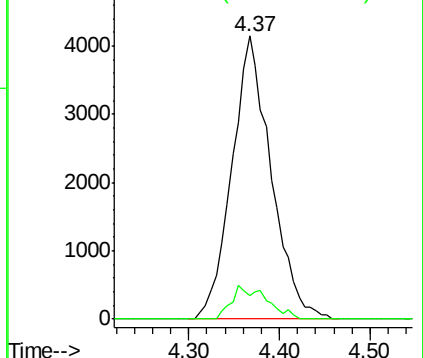
76 100

78 8.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 5.977 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

Tgt Ion: 84 Resp: 19029

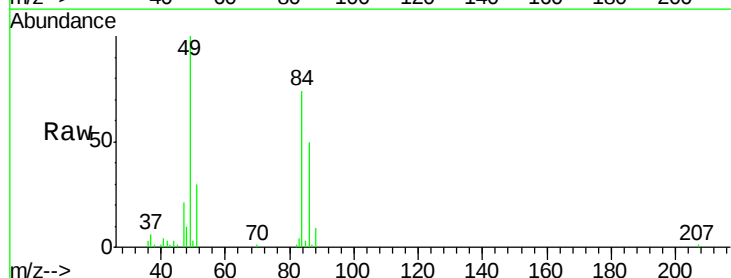
Ion Ratio Lower Upper

84 100

49 134.7 105.1 157.7

51 40.1 32.5 48.7

86 67.2 49.8 74.6

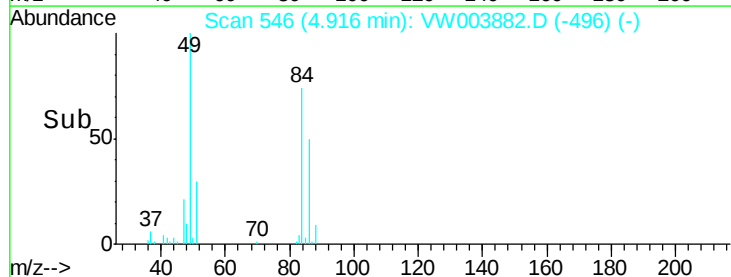
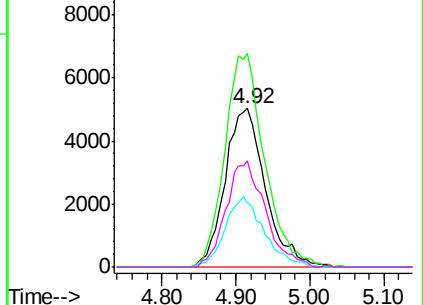


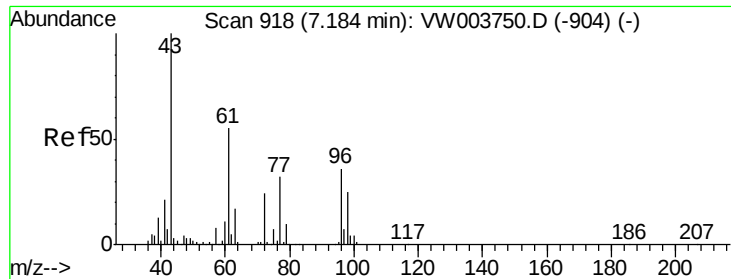
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

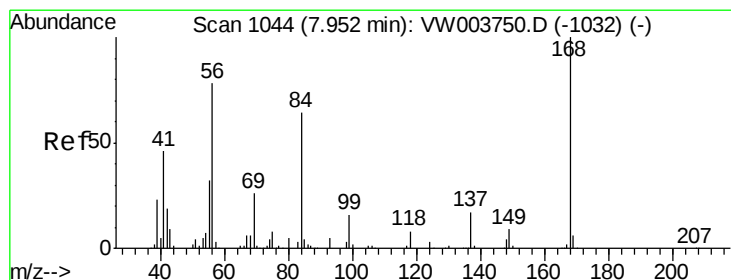
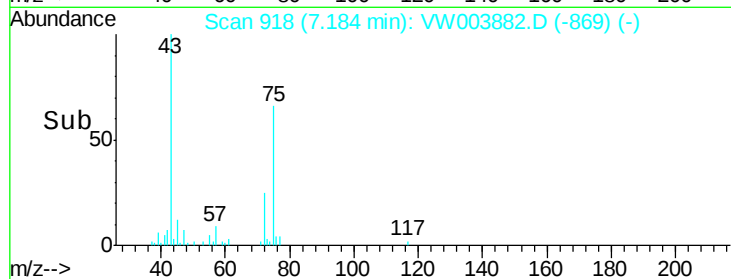
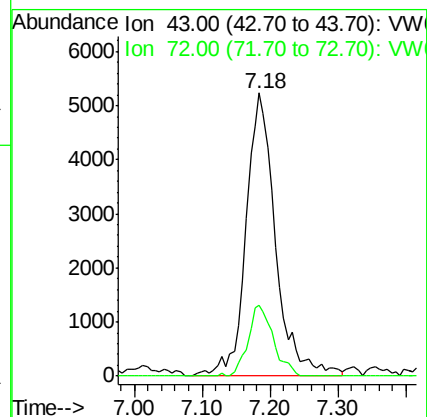
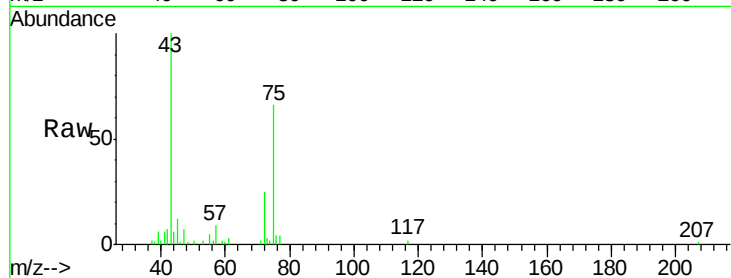




#25
2-Butanone
Concen: 25.480 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

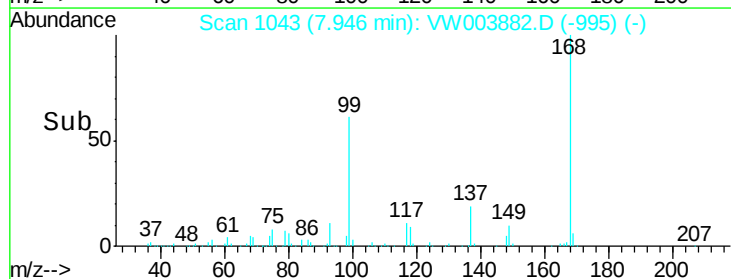
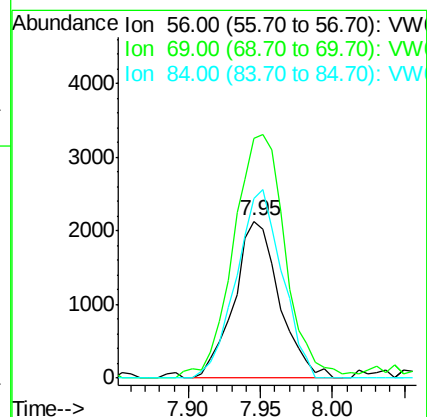
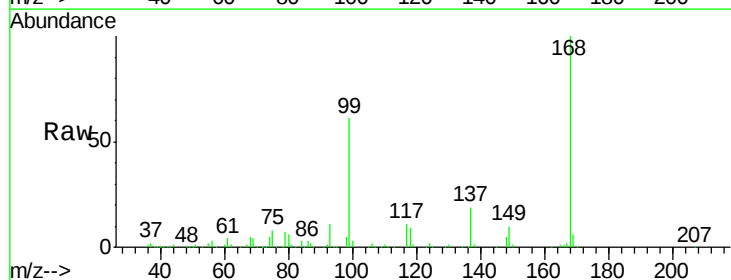
Instrument :
MSVOA_W
ClientSampleId :

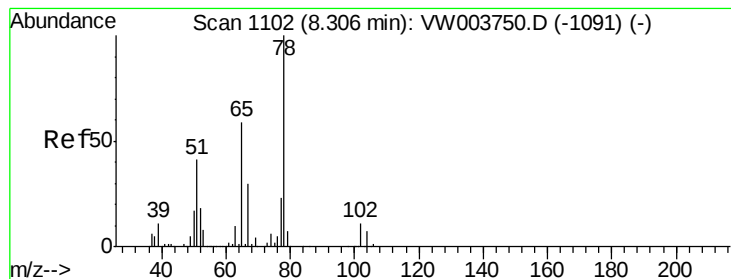
Tot Ion: 43 Resp: 15841
Ion Ratio Lower Upper
43 100
72 25.0 19.4 29.2



#31
Cyclohexane
Concen: 1.399 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

Tgt Ion: 56 Resp: 4669
Ion Ratio Lower Upper
56 100
69 149.8 26.2 39.4#
84 114.2 65.5 98.3#





#33

1,2-Dichloroethane-d4

Concen: 50.532 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

Instrument :

MSVOA_W

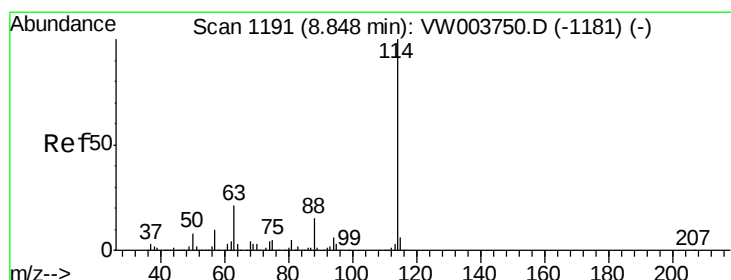
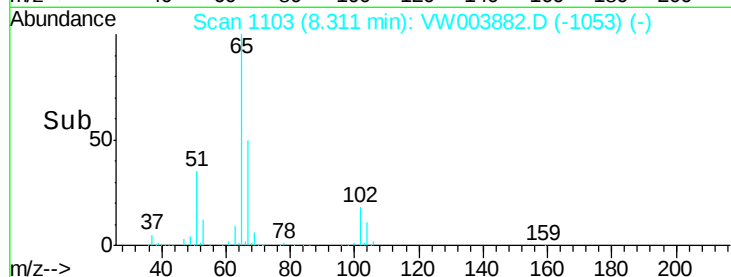
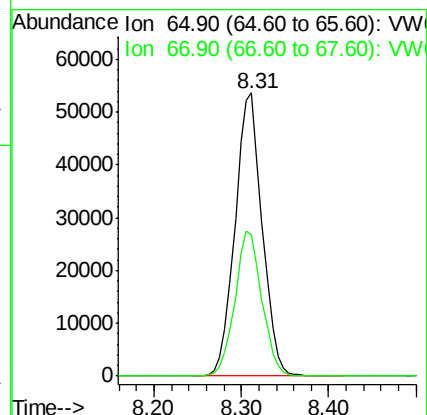
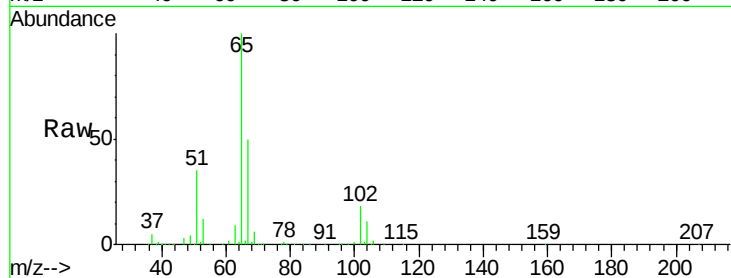
ClientSampled :

Tot Ion: 65 Resp: 115609

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

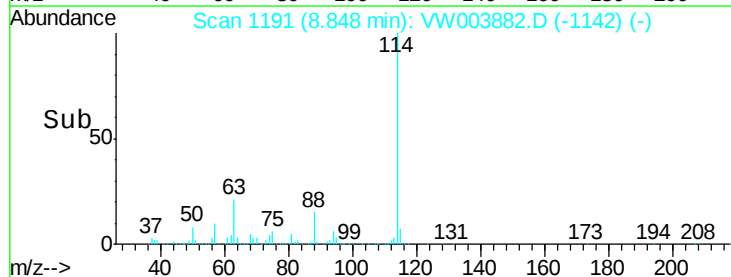
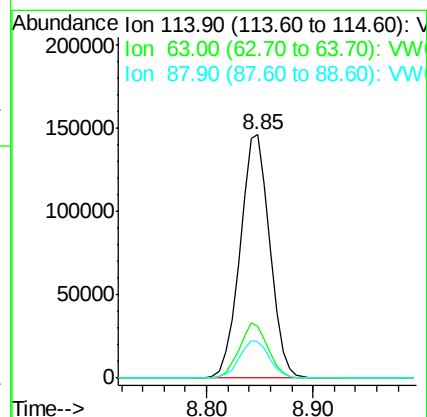
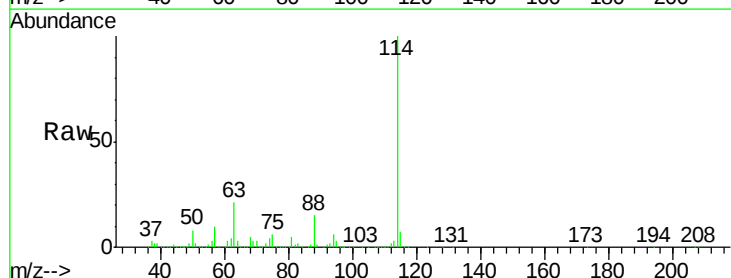
Tgt Ion: 114 Resp: 285066

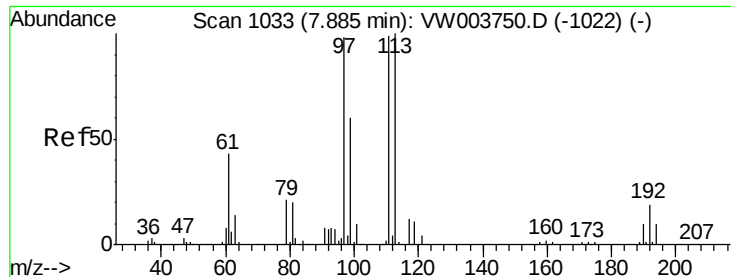
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.353 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

Instrument :
MSVOA_W
ClientSampled :

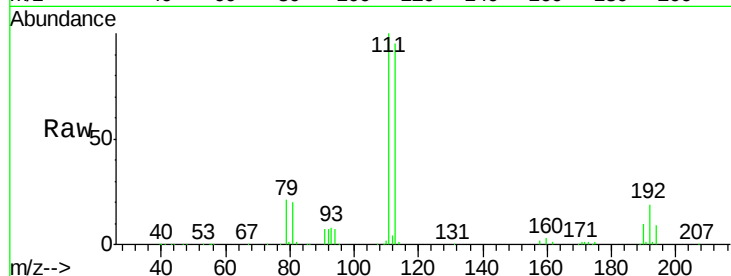
Tot Ion:113 Resp: 98465

Ion Ratio Lower Upper

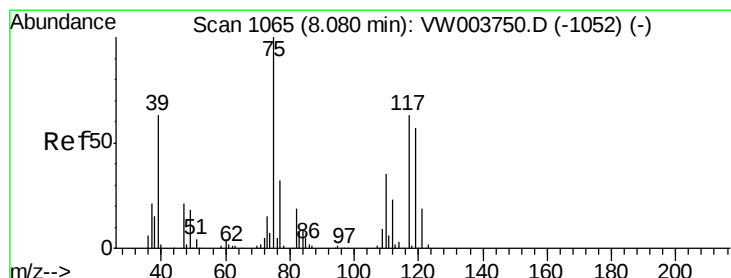
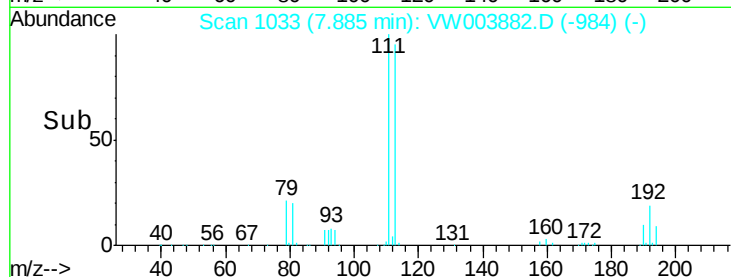
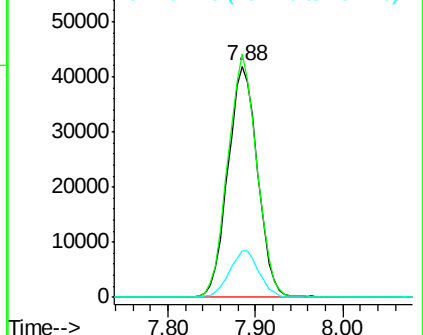
113 100

111 103.6 81.7 122.5

192 20.3 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: 4.920 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

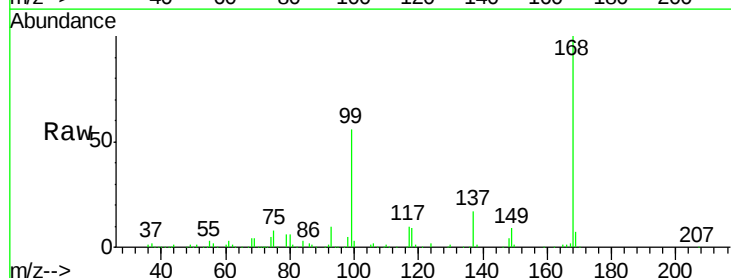
Tgt Ion: 75 Resp: 14882

Ion Ratio Lower Upper

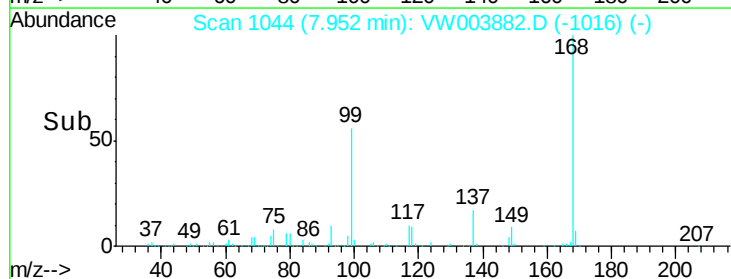
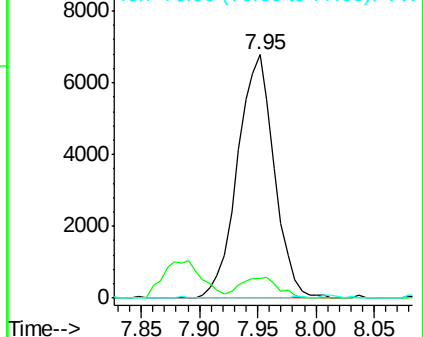
75 100

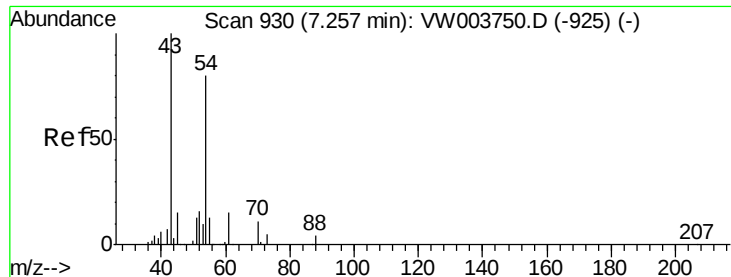
110 8.7 16.9 50.6#

77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

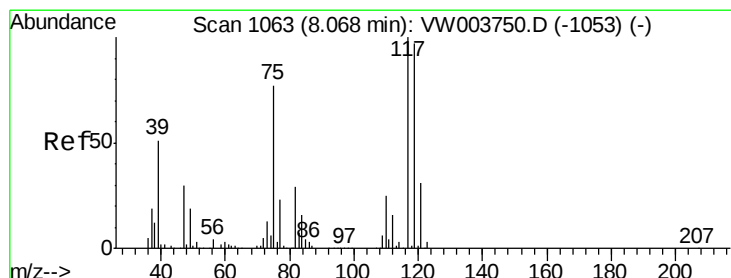
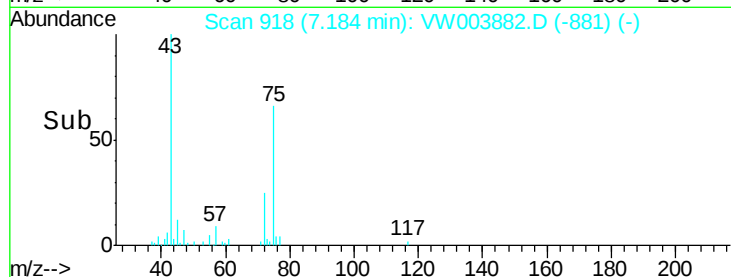
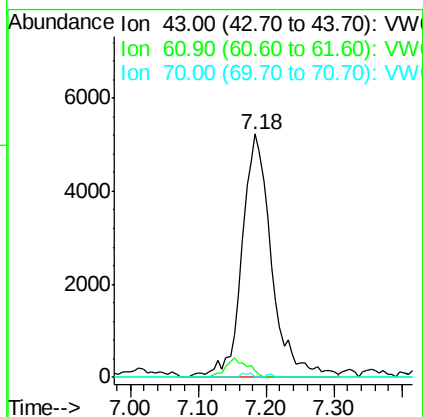
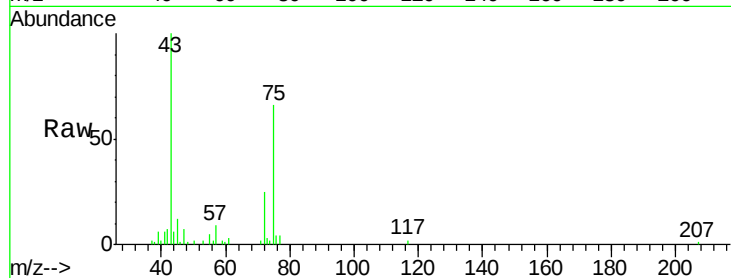




#37
Ethyl Acetate
Concen: 10.763 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.07 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

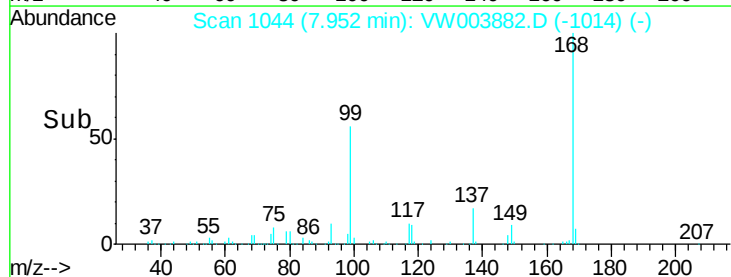
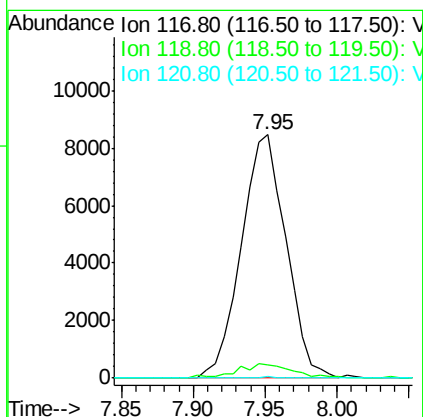
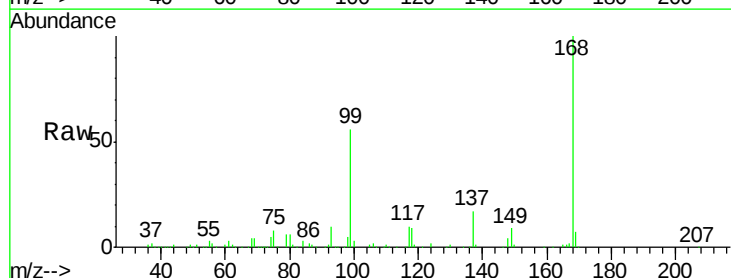
Instrument :
MSVOA_W
ClientSampleId :

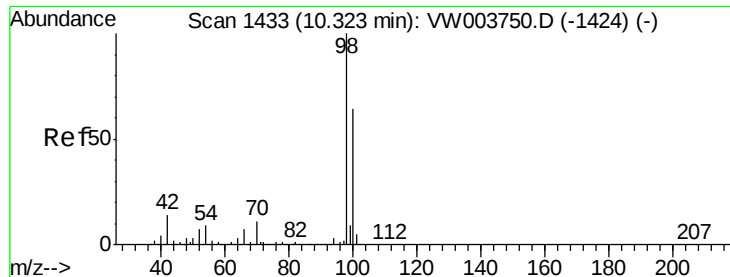
Tot Ion: 43 Resp: 15841
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 6.322 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

Tgt Ion: 117 Resp: 18180
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.2#
121 0.6 24.6 37.0#

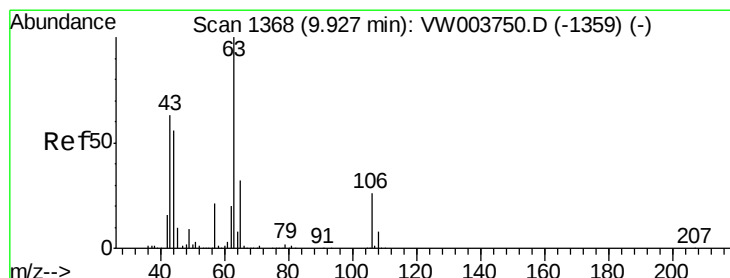
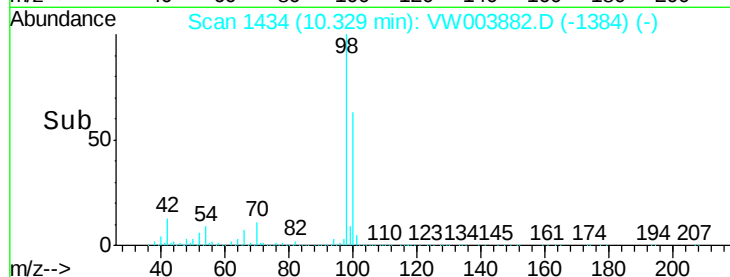
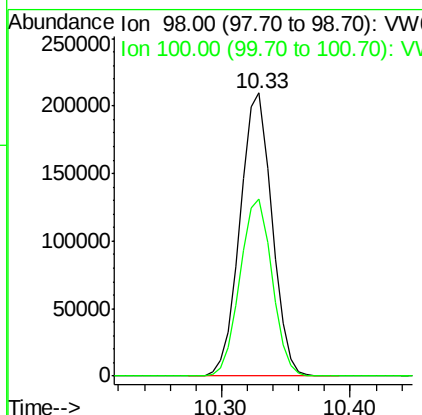
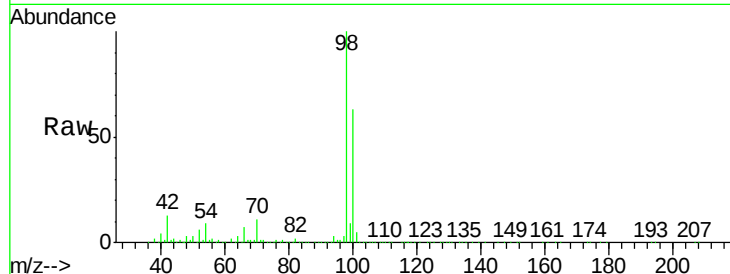




#50
Toluene-d8
Concen: 47.055 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

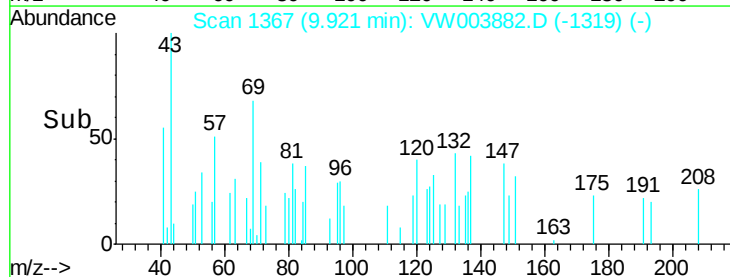
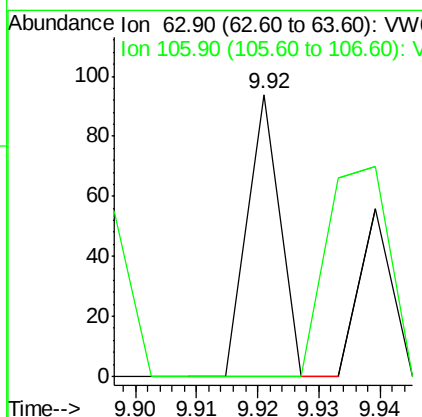
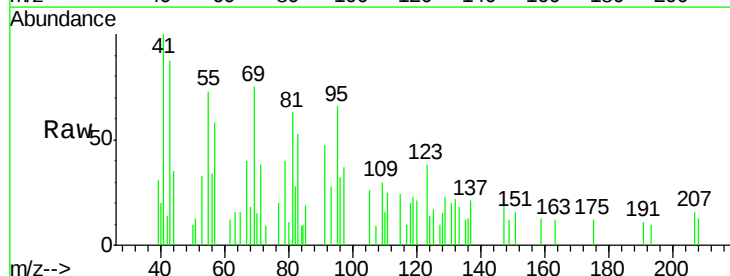
Instrument :
MSVOA_W
ClientSampleId :

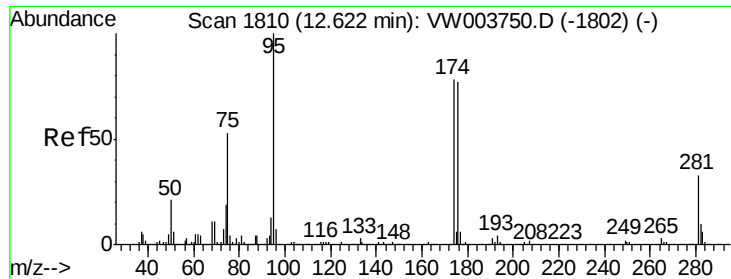
Tot Ion: 98 Resp: 359115
Ion Ratio Lower Upper
98 100
100 63.0 50.8 76.2



#58
2-Chloroethyl Vinyl ether
Concen: 13.198 ug/l
RT: 9.92 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

Tgt Ion: 63 Resp: 34
Ion Ratio Lower Upper
63 100
106 0.0 20.9 31.3#





#62

4-Bromofluorobenzene

Concen: 38.428 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

Instrument :

MSVOA_W

ClientSampleId :

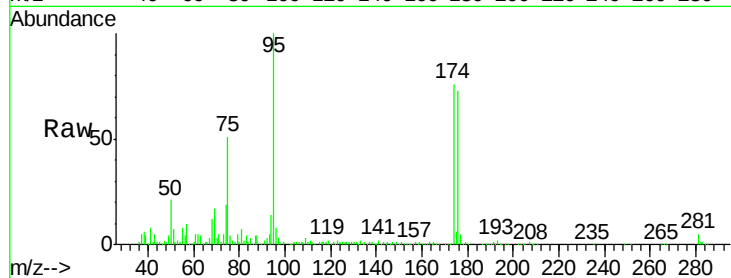
Tot Ion: 95 Resp: 106111

Ion Ratio Lower Upper

95 100

174 75.6 0.0 163.4

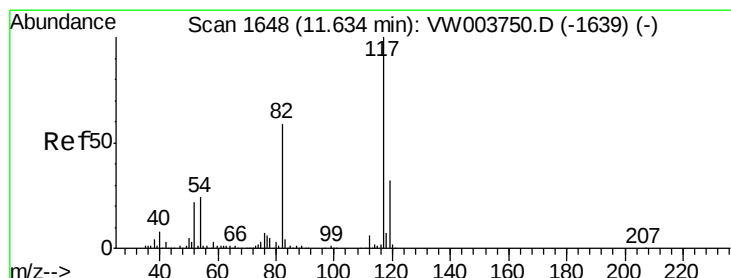
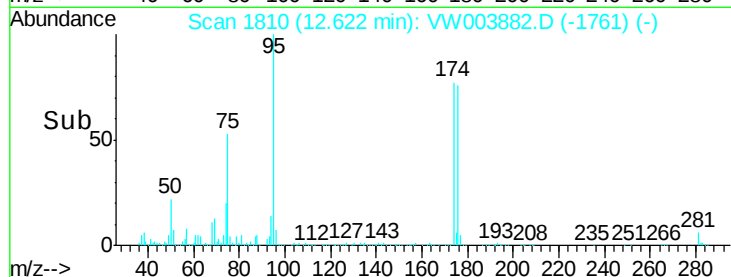
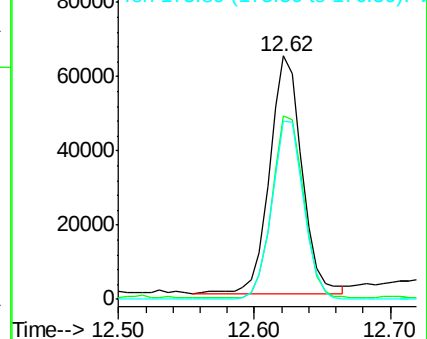
176 74.3 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

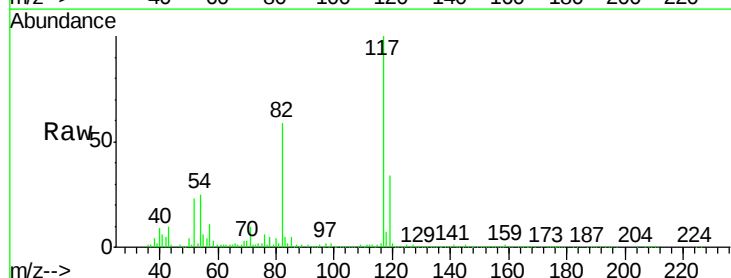
Tgt Ion: 117 Resp: 244490

Ion Ratio Lower Upper

117 100

82 58.7 46.9 70.3

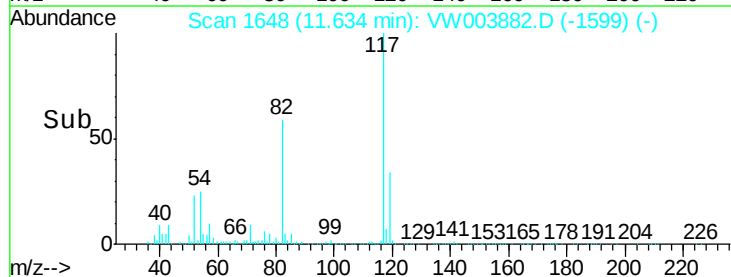
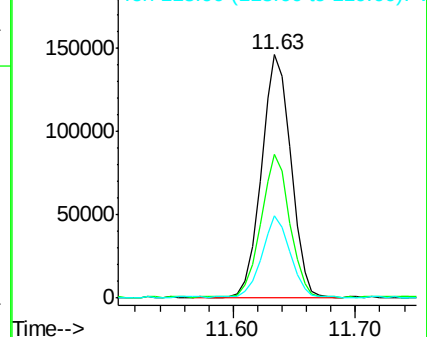
119 33.4 25.5 38.3

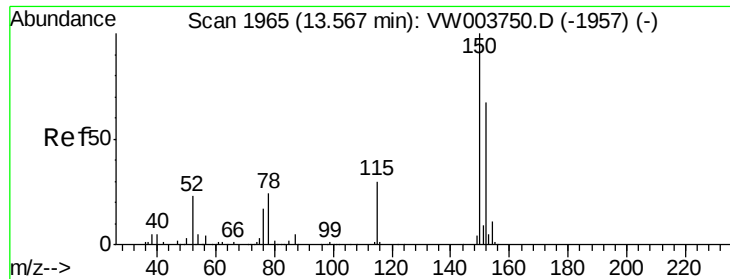


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

Instrument :

MSVOA_W

ClientSampleId :

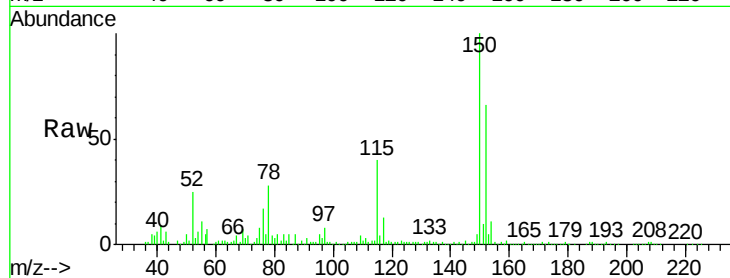
Tot Ion:152 Resp: 88564

Ion Ratio Lower Upper

152 100

115 59.7 28.9 86.8

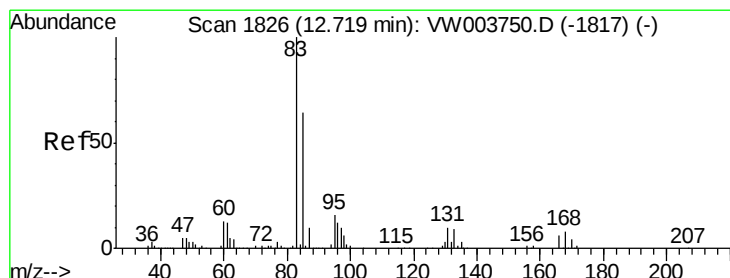
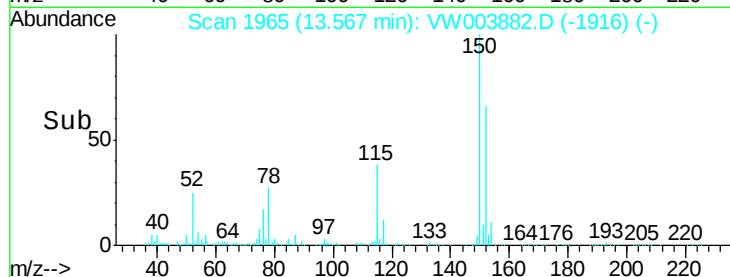
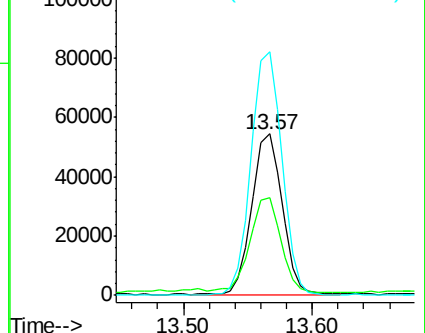
150 152.8 0.0 342.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 13.147 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

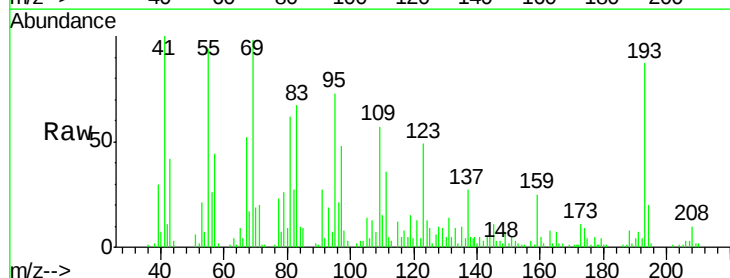
Tgt Ion: 83 Resp: 15985

Ion Ratio Lower Upper

83 100

131 3.0 5.1 15.4#

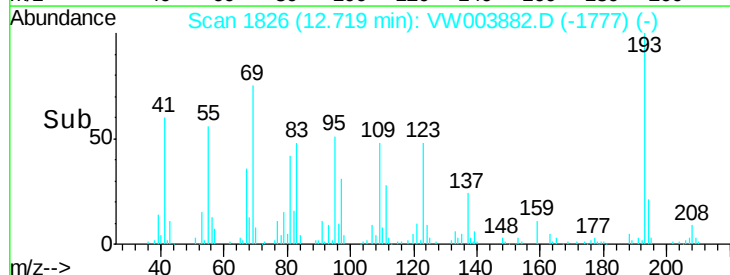
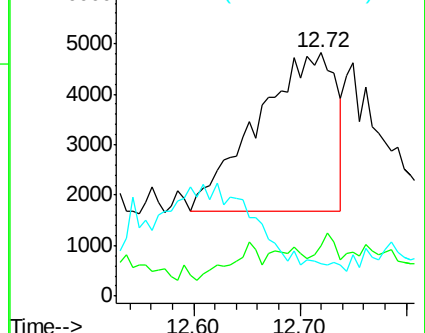
85 0.0 32.1 96.3#

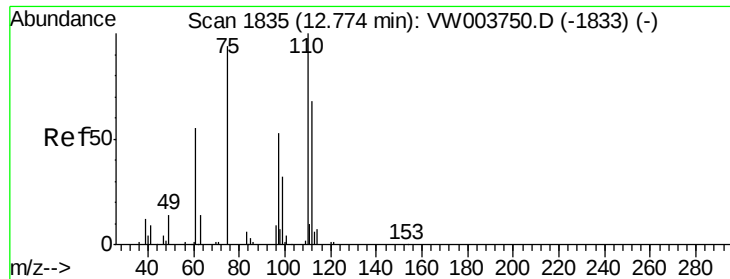


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 62.397 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

Instrument :

MSVOA_W

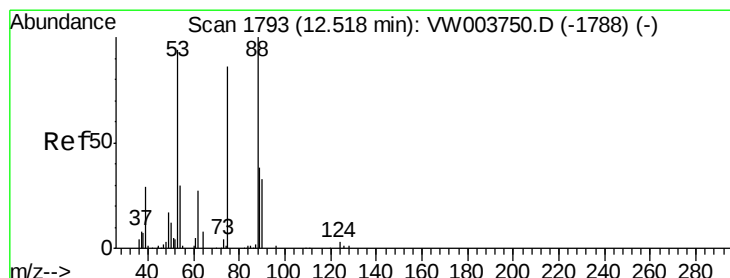
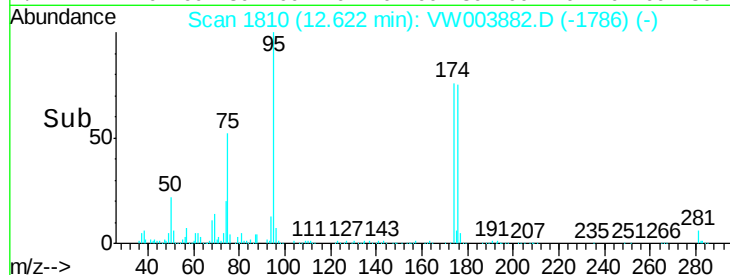
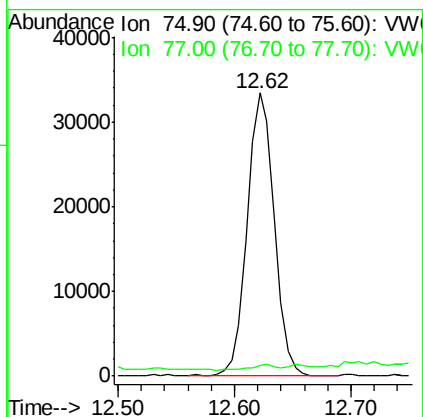
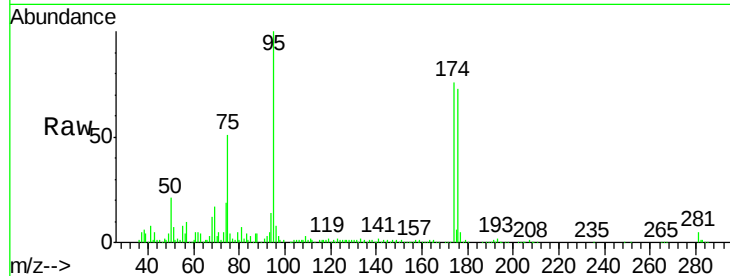
ClientSampleId :

Tot Ion: 75 Resp: 54266

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.639 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003882.D

Acq: 11 Jul 2018 23:34

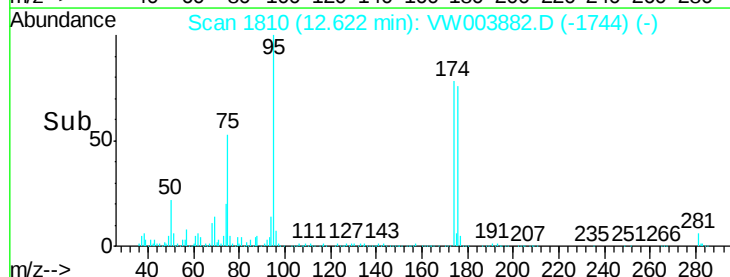
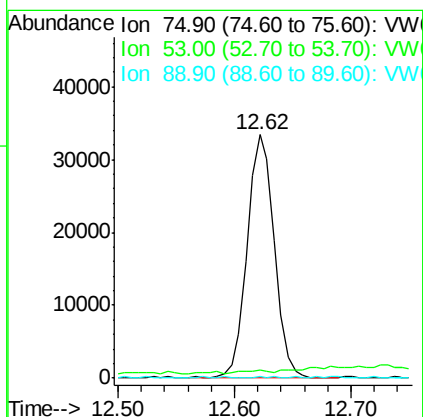
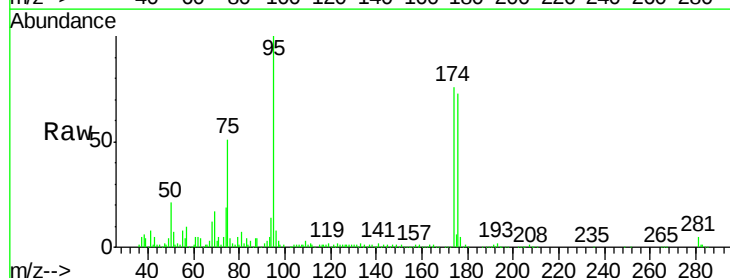
Tgt Ion: 75 Resp: 54266

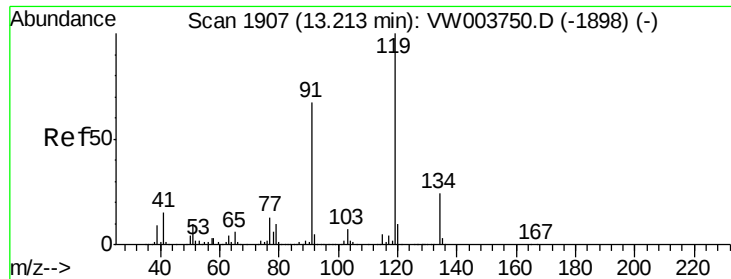
Ion Ratio Lower Upper

75 100

53 1.2 85.0 127.6#

89 0.3 36.3 54.5#

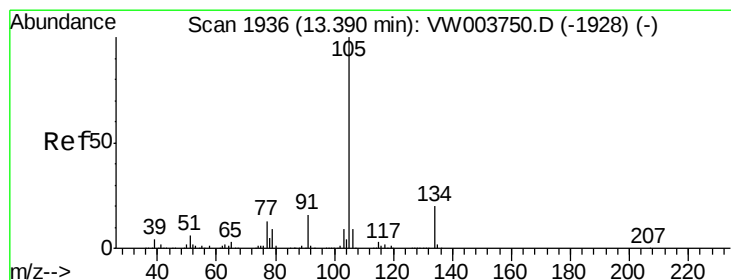
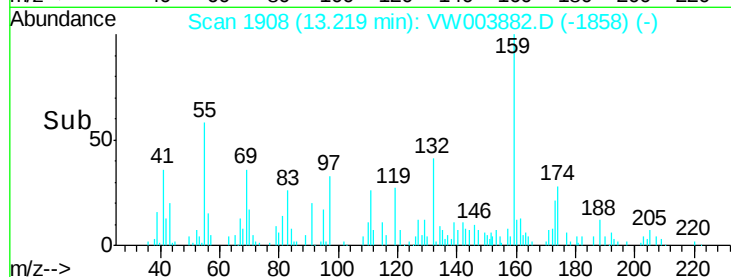
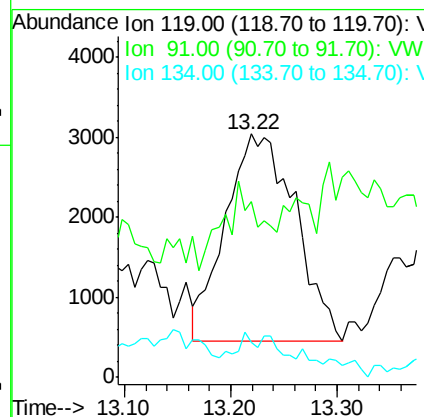
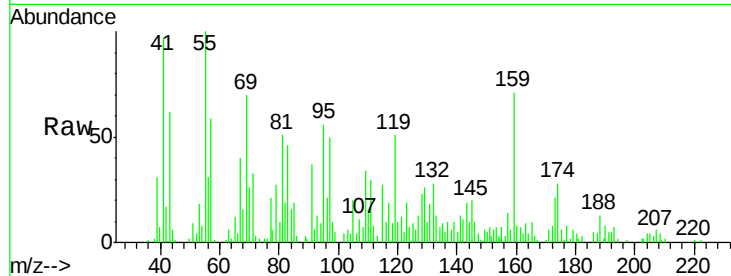




#83
tert-Butylbenzene
Concen: 2.770 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

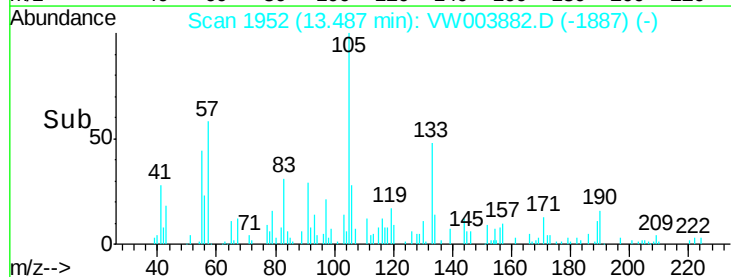
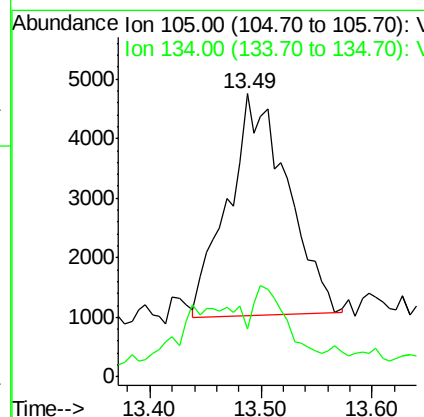
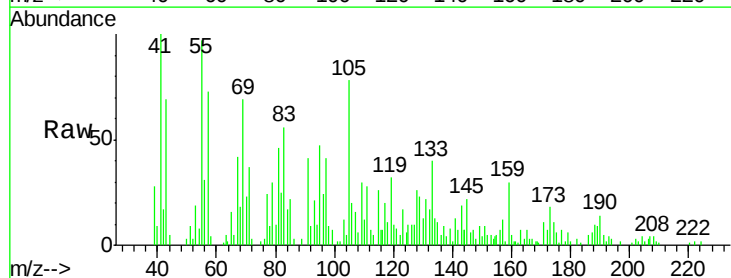
Instrument :
MSVOA_W
ClientSampleId :

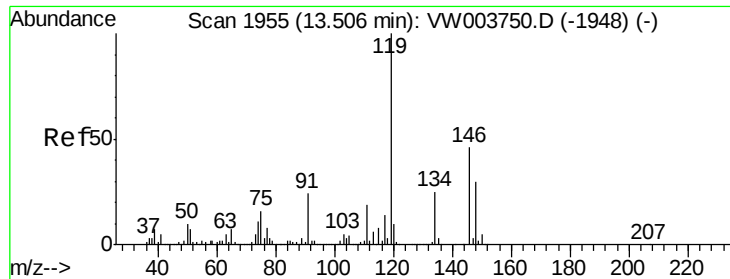
Tot Ion:119 Resp: 11810
Ion Ratio Lower Upper
119 100
91 21.2 33.0 98.9#
134 2.7 12.8 38.4#



#85
sec-Butylbenzene
Concen: 2.158 ug/l
RT: 13.49 min Scan# 1952
Delta R.T. 0.10 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

Tgt Ion:105 Resp: 13762
Ion Ratio Lower Upper
105 100
134 16.9 9.8 29.4

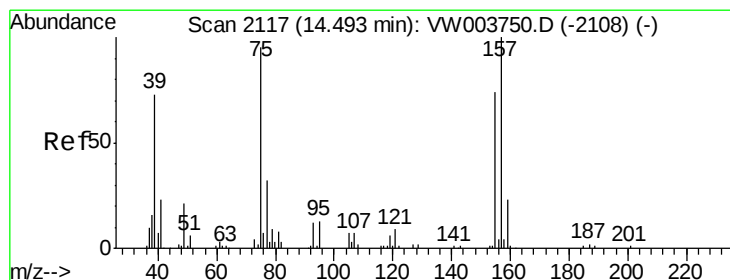
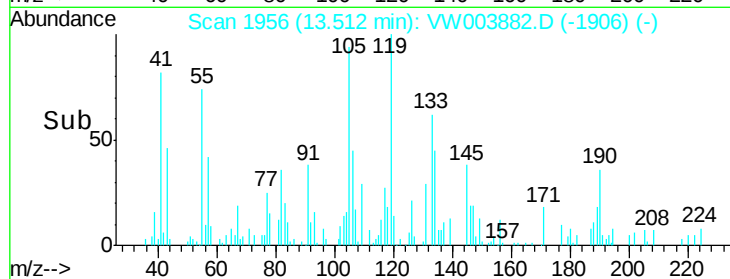
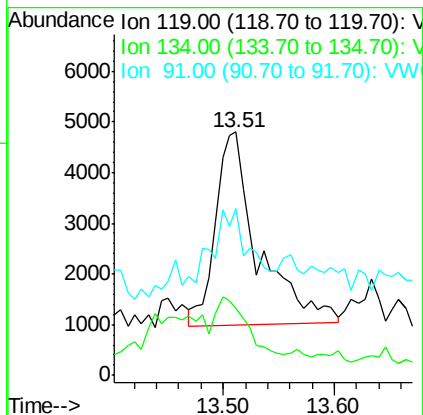
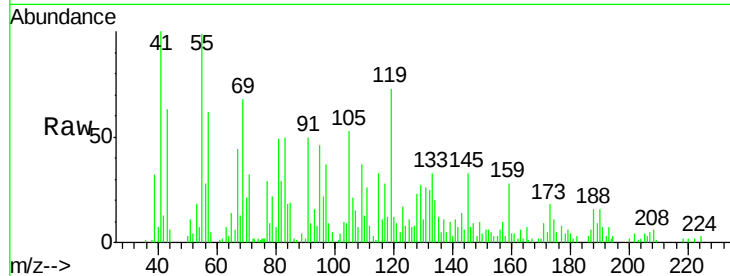




#86
p-Isopropyltoluene
Concen: 1.828 ug/l
RT: 13.51 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 119 Resp: 10188
Ion Ratio Lower Upper
119 100
134 22.9 13.1 39.1
91 31.4 11.9 35.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.288 ug/l
RT: 14.69 min Scan# 2149
Delta R.T. 0.19 min
Lab File: VW003882.D
Acq: 11 Jul 2018 23:34

Tgt Ion: 75 Resp: 271
Ion Ratio Lower Upper
75 100
155 48.7 39.2 117.6
157 133.6 50.7 152.1

