

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003881.D
 Acq On : 11 Jul 2018 23:08
 Operator : SY/AP
 Sample : J3908-03RE
 Misc : 6.46G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:57:00 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	169863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	288745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	118277	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	126504	56.95	ug/l	0.00
Spiked Amount			Recovery	=	113.90%	
35) Dibromofluoromethane	7.88	113	107339	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
50) Toluene-d8	10.33	98	363195	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.62	95	113921	40.73	ug/l	0.00
Spiked Amount			Recovery	=	81.46%	

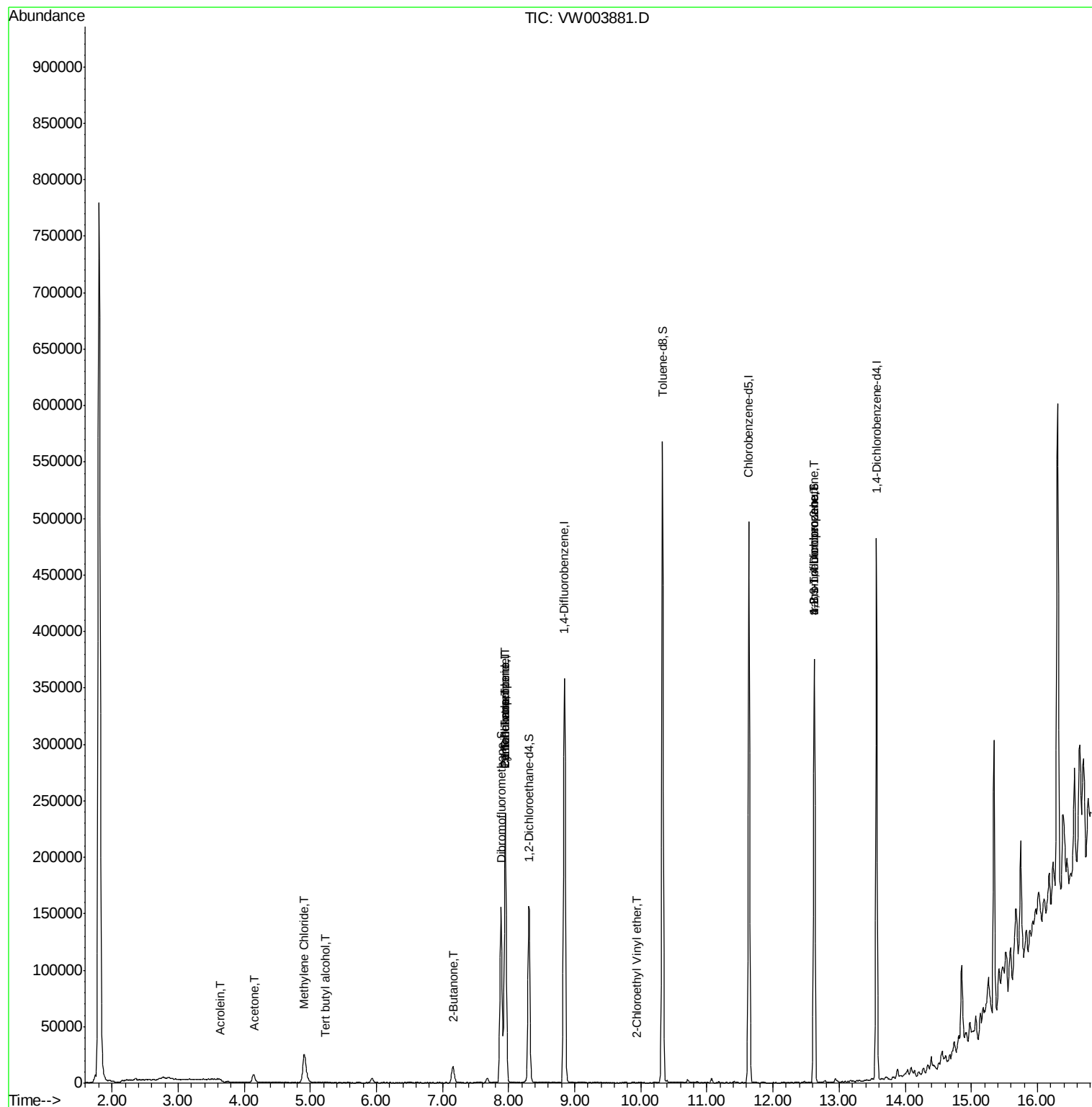
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	279	2.318	ug/l #	70
13) Acrolein	3.64	56	27	4.875	ug/l #	14
16) Acetone	4.14	43	13616	35.330	ug/l	98
20) Methylene Chloride	4.91	84	21199	7.566	ug/l	98
25) 2-Butanone	7.17	43	1161	1.923	ug/l #	51
31) Cyclohexane	7.95	56	4443	1.371	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	14592	4.763	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17403	5.974	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.94	63	47	13.209	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	60948	52.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60948	128.367	ug/l #	8

(#) = 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: VW003881.D

Acq: 11 Jul 2018 23:08

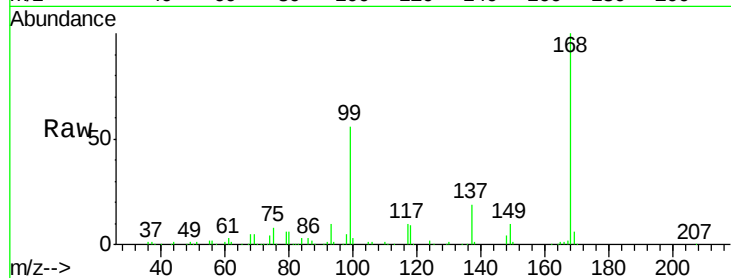
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 169863

Ion Ratio Lower Upper

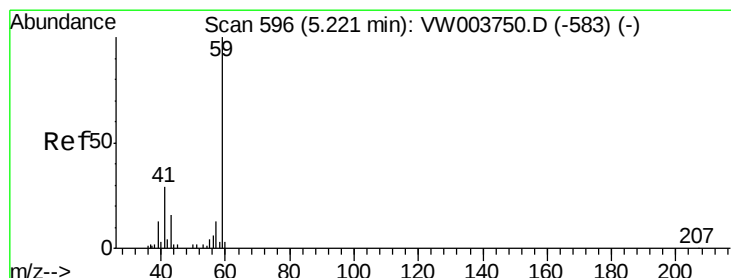
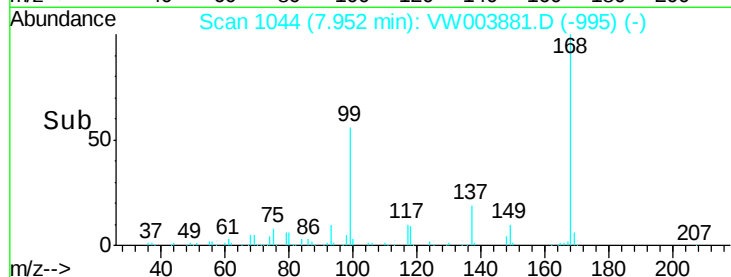
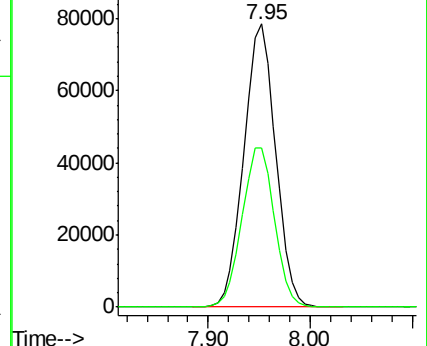
168 100

99 56.1 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: 2.318 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VW003881.D

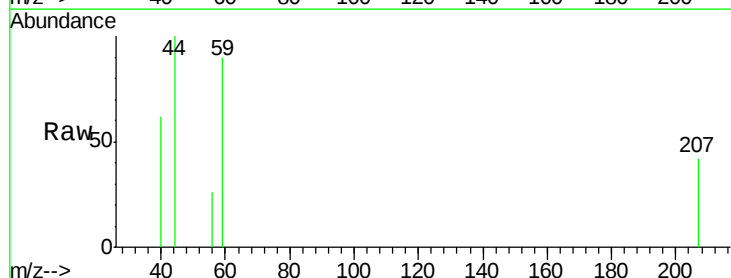
Acq: 11 Jul 2018 23:08

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

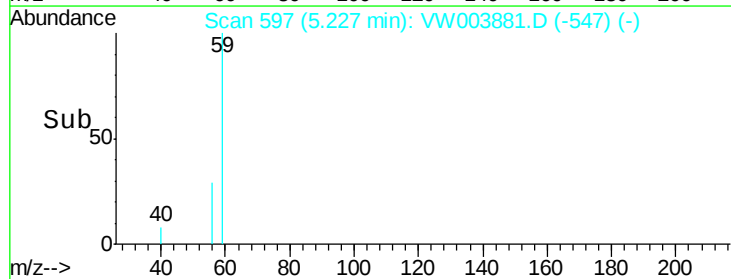
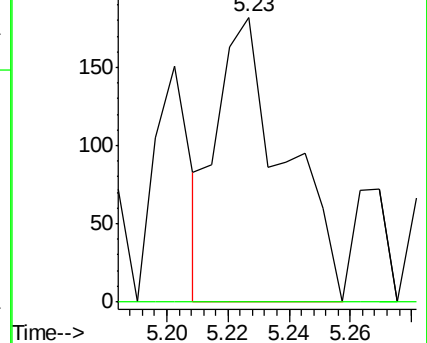
59 100

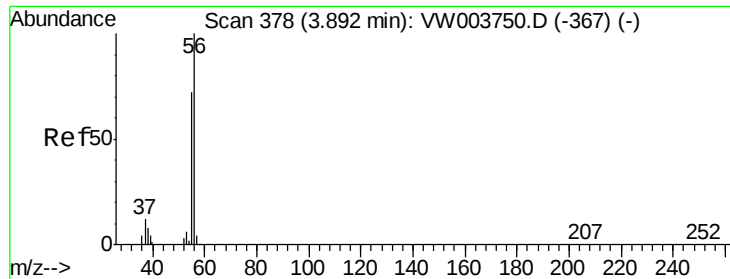
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.875 ug/l

RT: 3.64 min Scan# 336

Delta R.T. -0.26 min

Lab File: VW003881.D

Acq: 11 Jul 2018 23:08

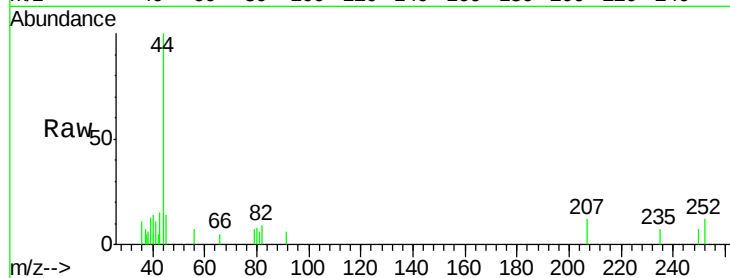
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 27

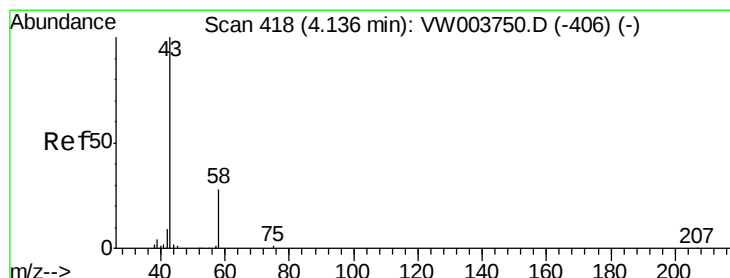
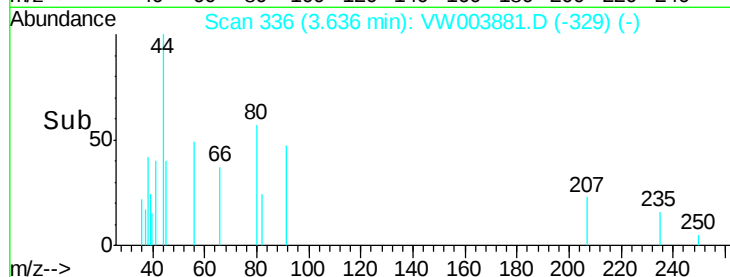
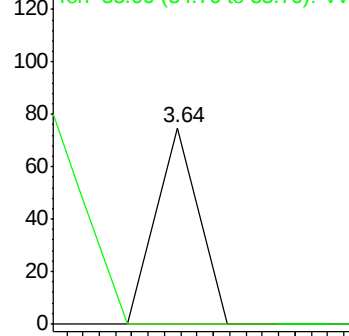
Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 35.330 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003881.D

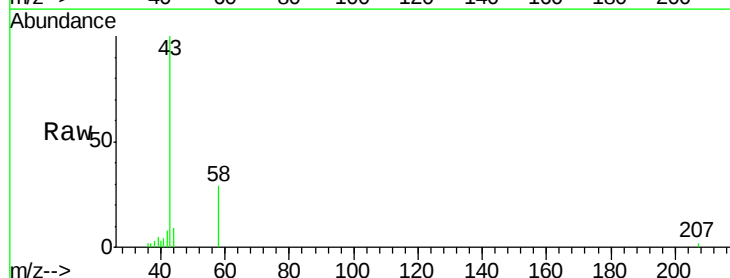
Acq: 11 Jul 2018 23:08

Tgt Ion: 43 Resp: 13616

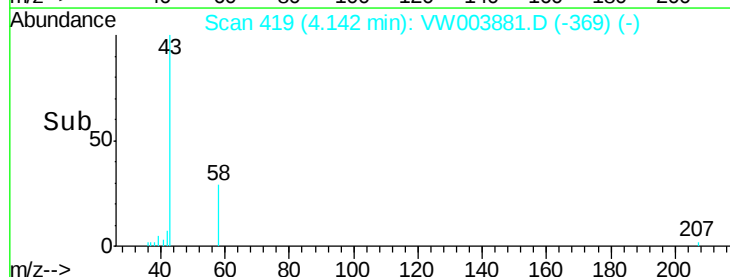
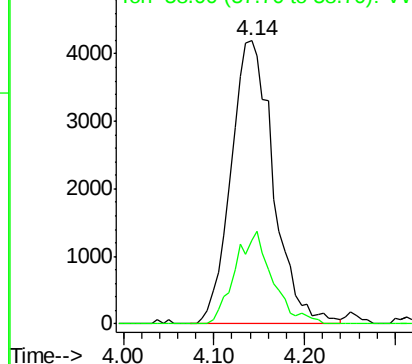
Ion Ratio Lower Upper

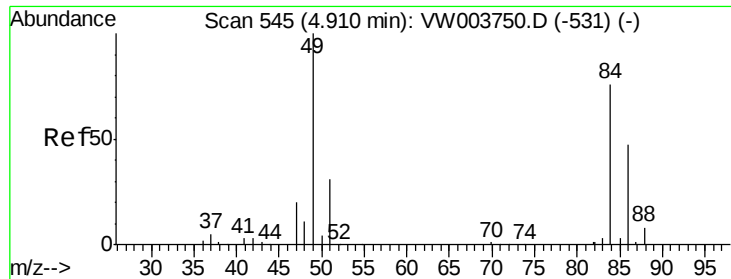
43 100

58 29.5 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

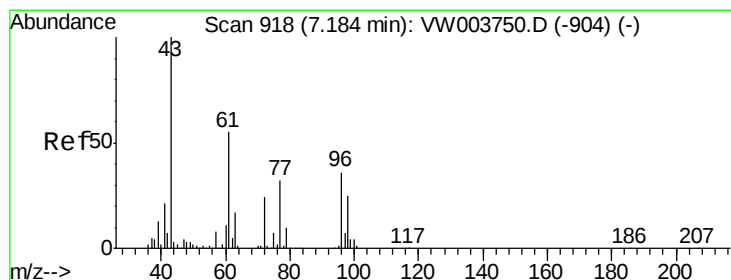
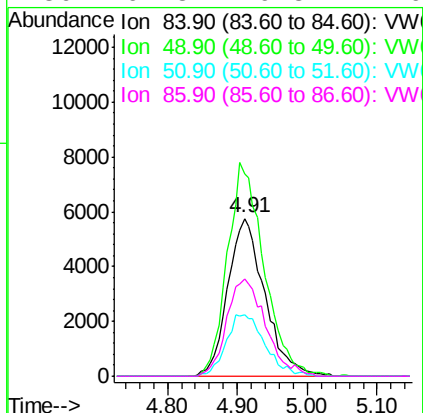
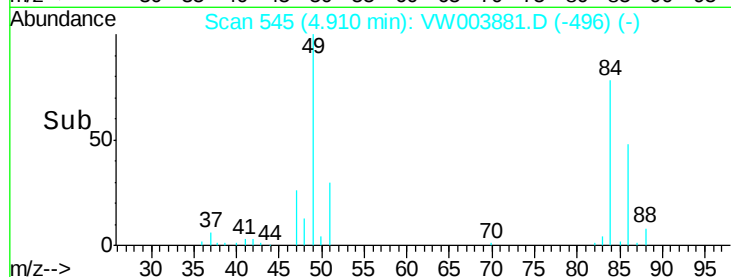
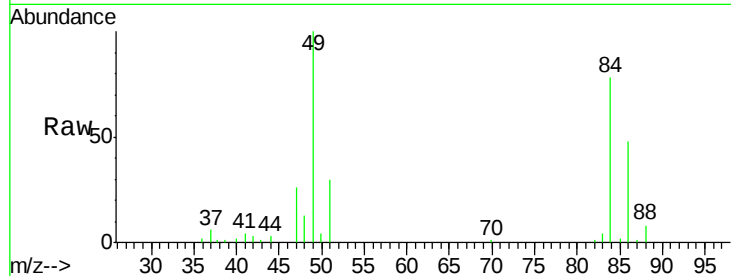




#20
Methvlene Chloride
Concen: 7.566 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003881.D
Acq: 11 Jul 2018 23:08

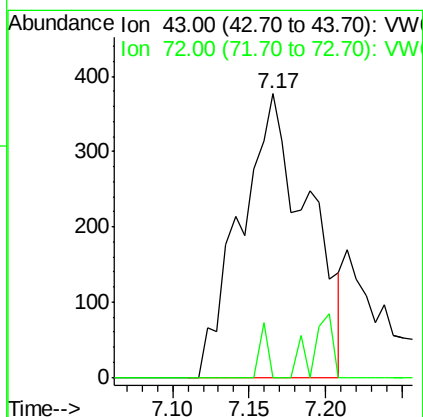
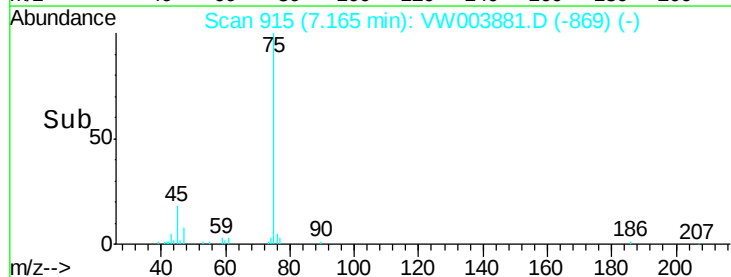
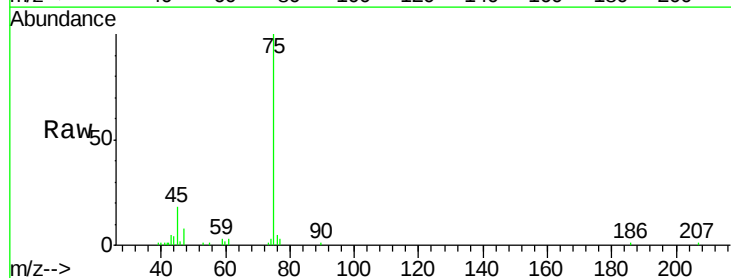
Instrument :
MSVOA_W
ClientSampleId :

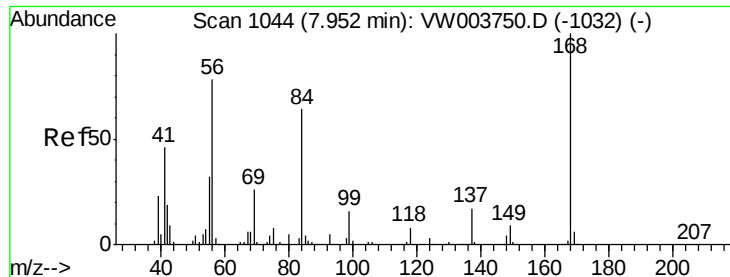
Tot Ion: 84 Resp: 21199
Ion Ratio Lower Upper
84 100
49 128.3 105.1 157.7
51 39.0 32.5 48.7
86 61.8 49.8 74.6



#25
2-Butanone
Concen: 1.923 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.02 min
Lab File: VW003881.D
Acq: 11 Jul 2018 23:08

Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

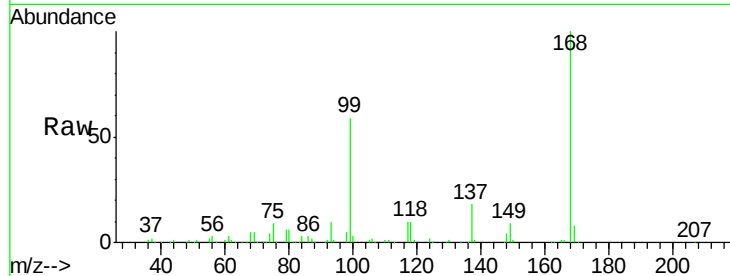




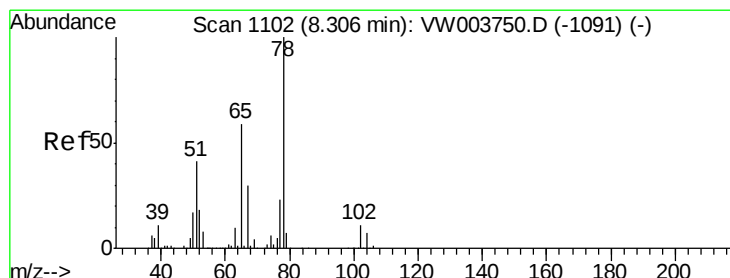
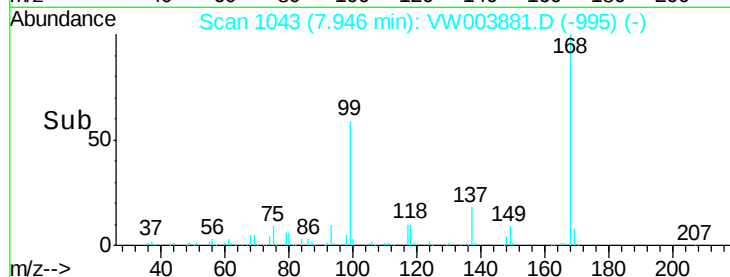
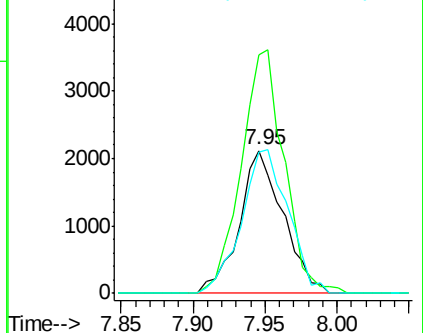
#31
Cyclohexane
Concen: 1.371 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003881.D
Acq: 11 Jul 2018 23:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 4443
Ion Ratio Lower Upper
56 100
69 166.6 26.2 39.4#
84 99.2 65.5 98.3#

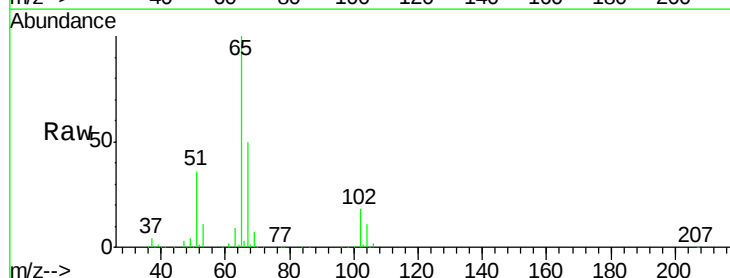


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

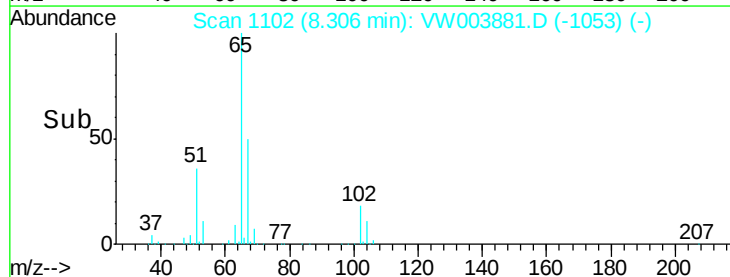
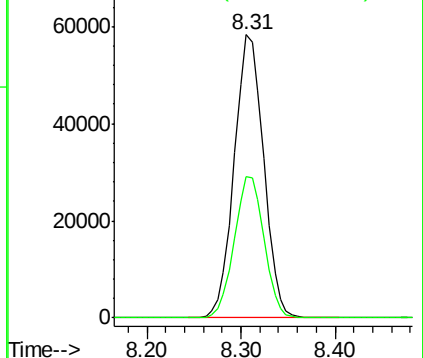


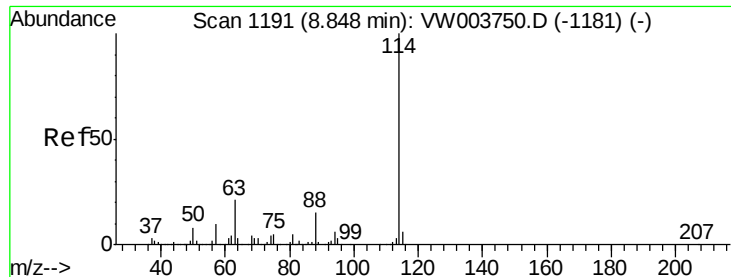
#33
1,2-Dichloroethane-d4
Concen: 56.949 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003881.D
Acq: 11 Jul 2018 23:08

Tgt Ion: 65 Resp: 126504
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.8



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

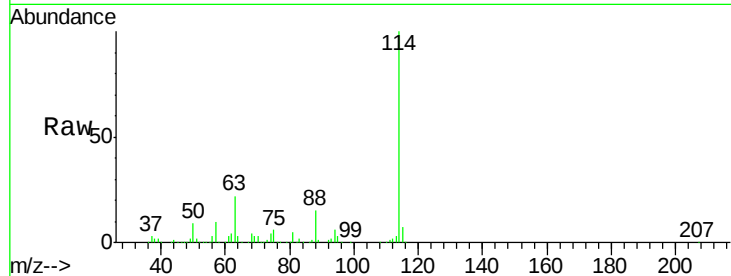




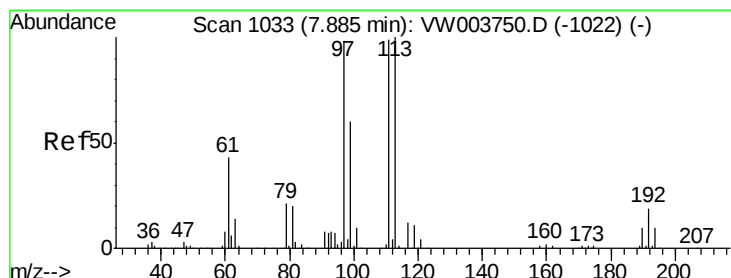
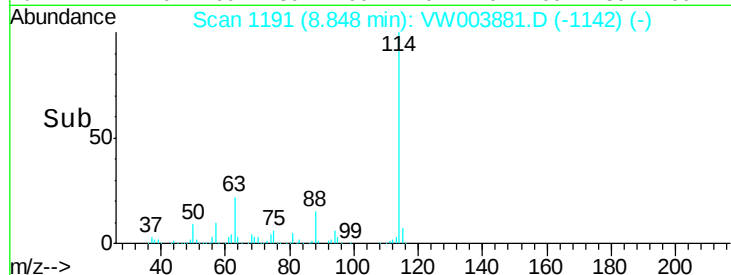
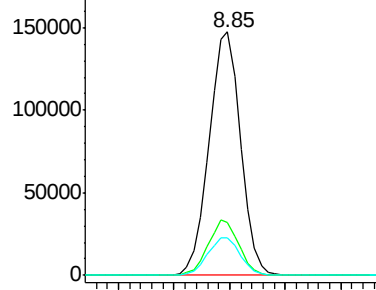
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003881.D
 Acq: 11 Jul 2018 23:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	15.5	0.0	30.2

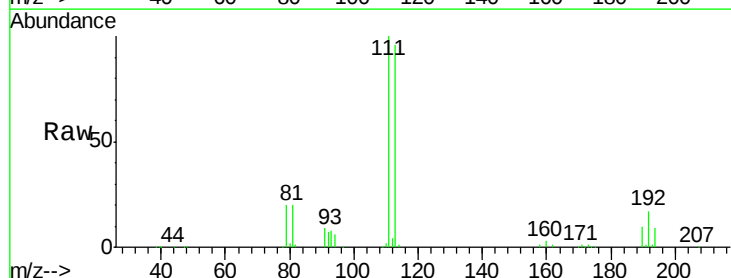


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

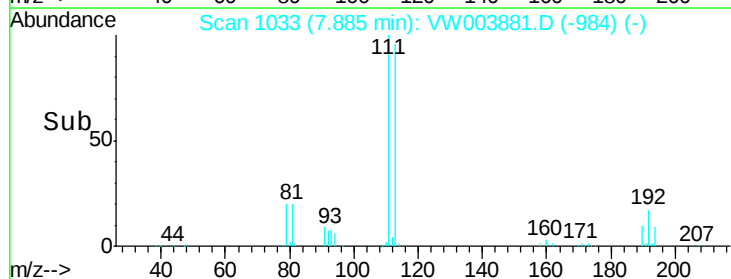
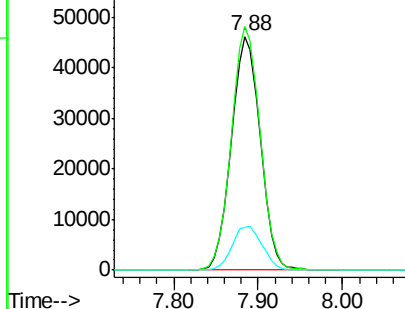


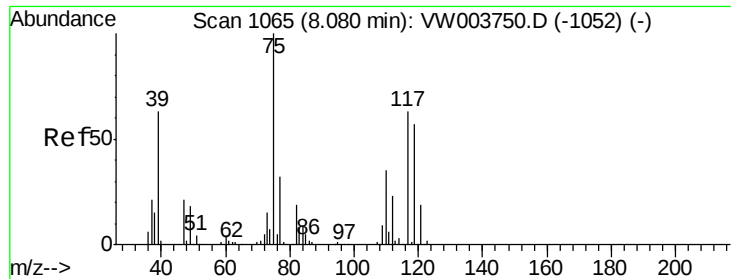
#35
 Dibromofluoromethane
 Concen: 53.115 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003881.D
 Acq: 11 Jul 2018 23:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.7	122.5
192	19.5	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

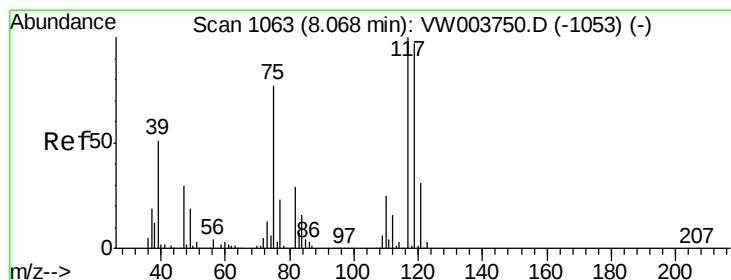
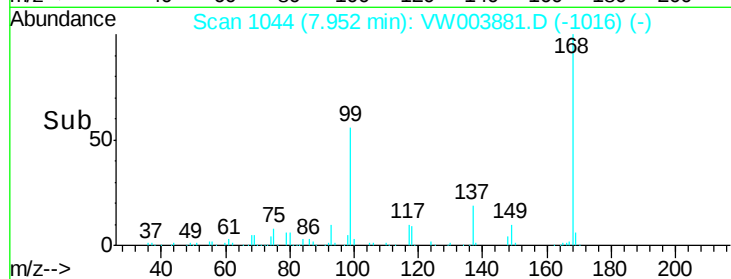
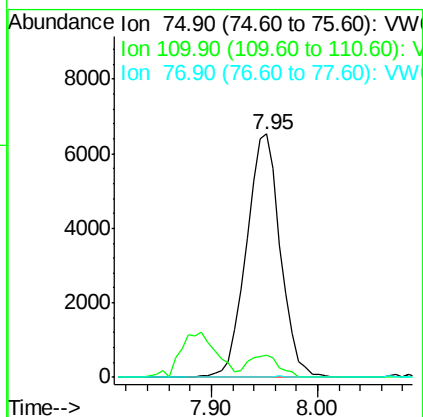
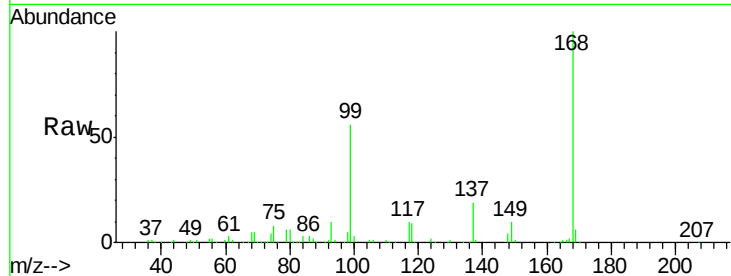




#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003881.D
 Acq: 11 Jul 2018 23:08

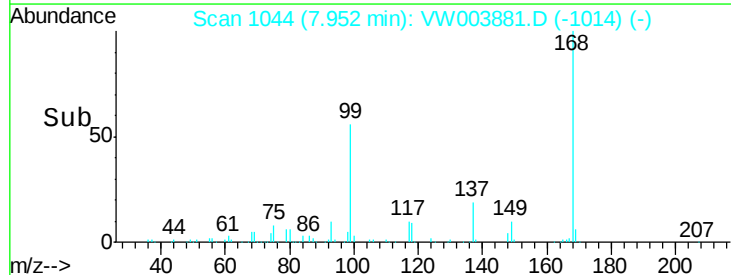
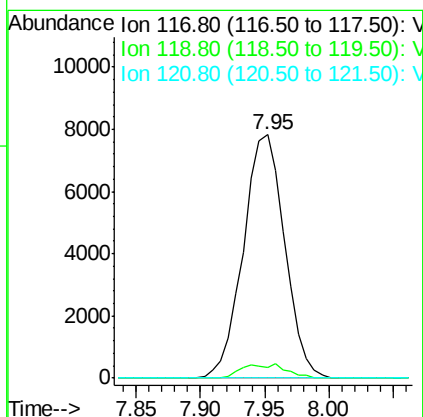
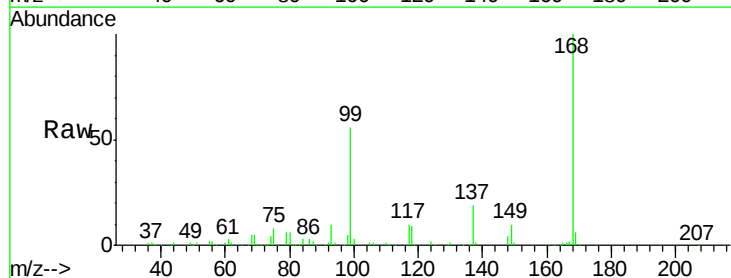
Instrument :
 MSVOA_W
 ClientSampleId :

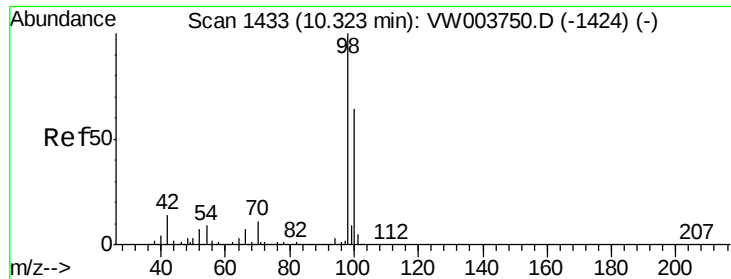
Tot Ion: 75 Resp: 14592
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.974 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003881.D
 Acq: 11 Jul 2018 23:08

Tgt Ion: 117 Resp: 17403
 Ion Ratio Lower Upper
 117 100
 119 4.2 77.4 116.2#
 121 0.0 24.6 37.0#

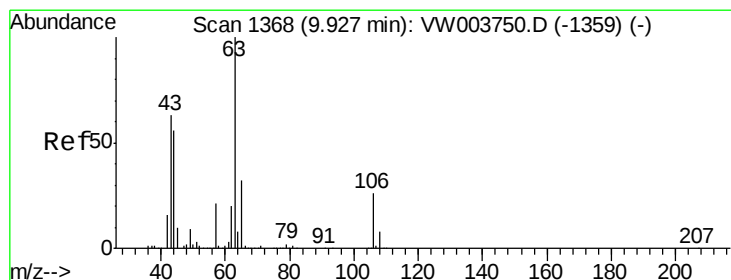
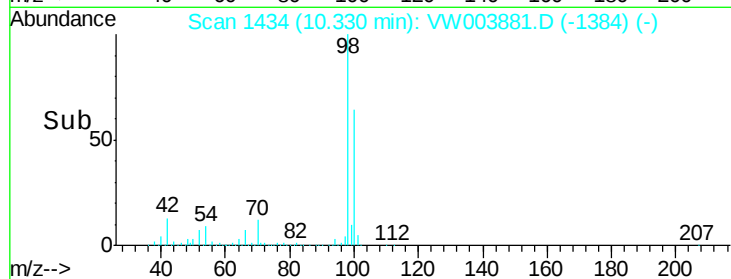
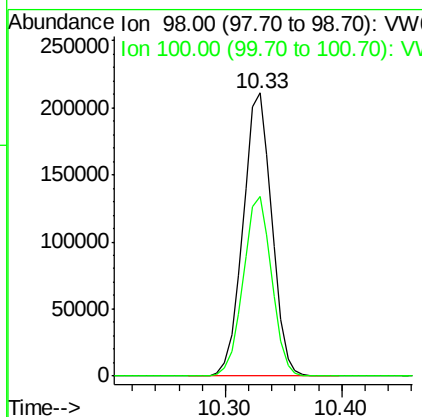
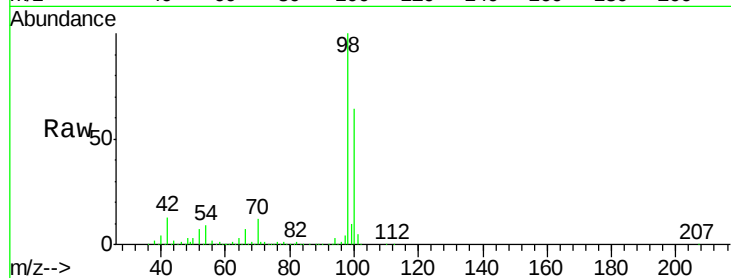




#50
Toluene-d8
Concen: 46.983 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003881.D
Acq: 11 Jul 2018 23:08

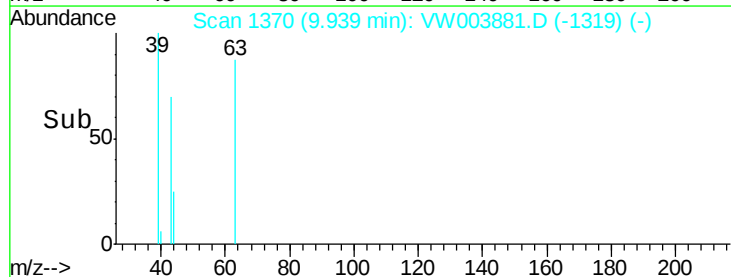
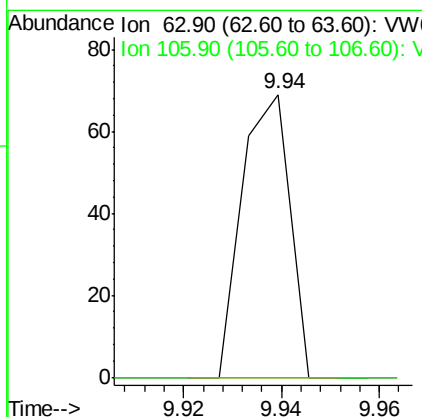
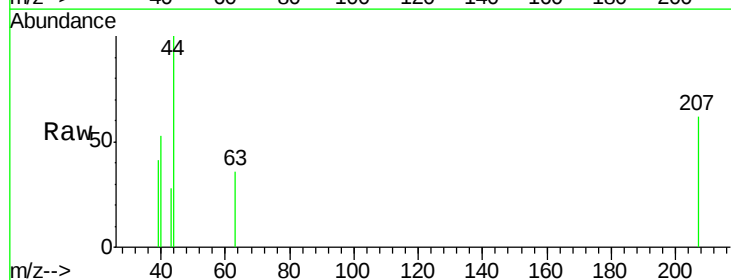
Instrument :
MSVOA_W
ClientSampleId :

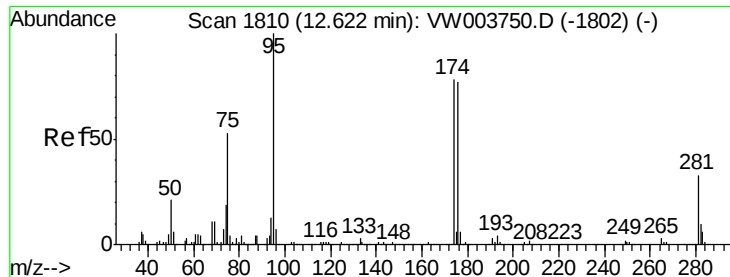
Tot Ion: 98 Resp: 363195
Ion Ratio Lower Upper
98 100
100 62.9 50.8 76.2



#58
2-Chloroethyl Vinyl ether
Concen: 13.209 ug/l
RT: 9.94 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VW003881.D
Acq: 11 Jul 2018 23:08

Tgt Ion: 63 Resp: 47
Ion Ratio Lower Upper
63 100
106 0.0 20.9 31.3#

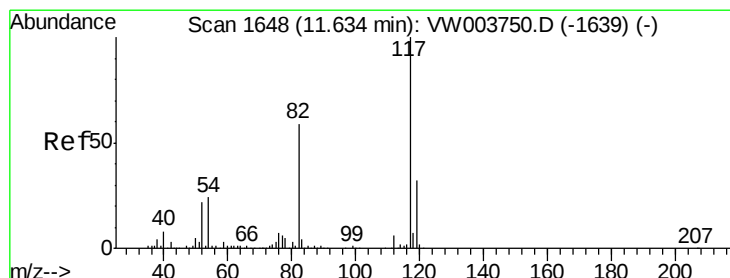
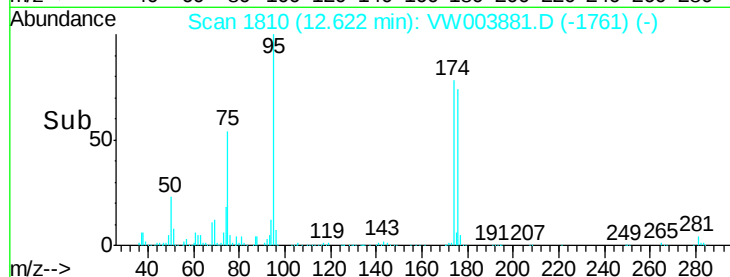
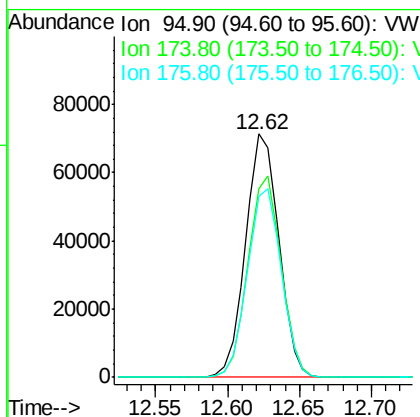
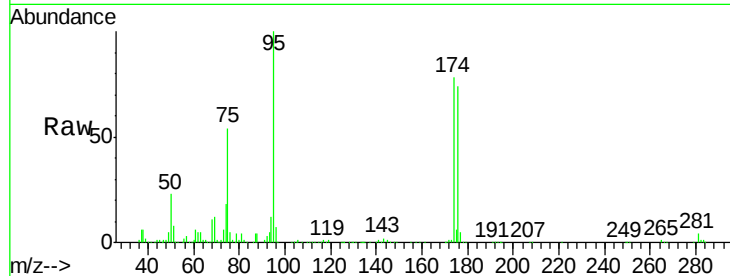




#62
4-Bromofluorobenzene
Concen: 40.730 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003881.D
Acq: 11 Jul 2018 23:08

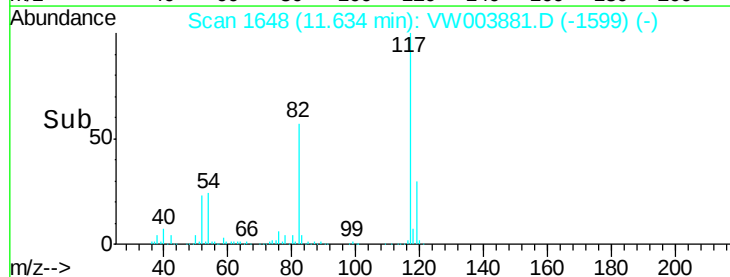
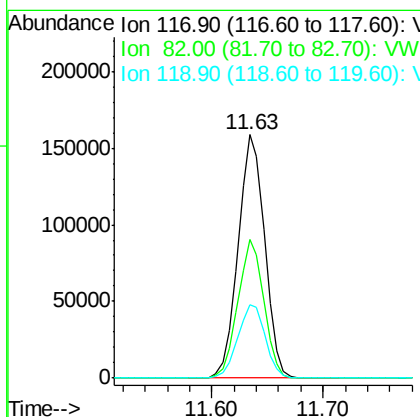
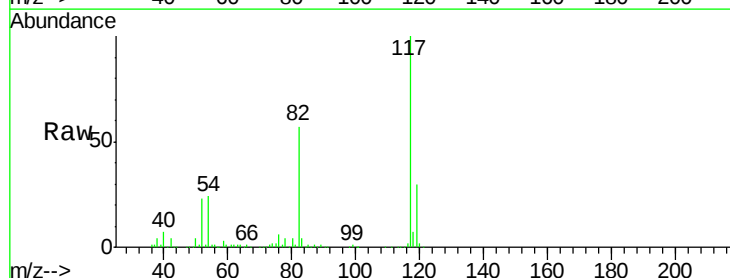
Instrument :
MSVOA_W
ClientSampleId :

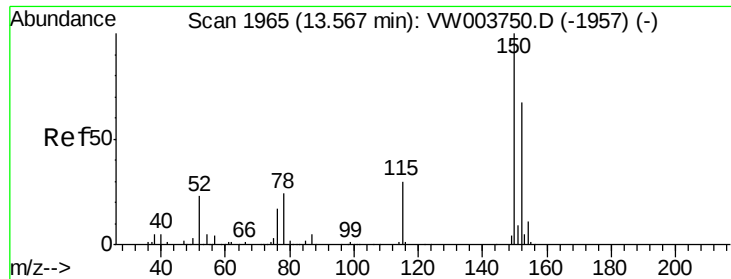
Tot Ion: 95 Resp: 113921
Ion Ratio Lower Upper
95 100
174 82.7 0.0 163.4
176 78.9 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003881.D
Acq: 11 Jul 2018 23:08

Tgt Ion: 117 Resp: 260903
Ion Ratio Lower Upper
117 100
82 57.1 46.9 70.3
119 30.3 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: VW003881.D

Acq: 11 Jul 2018 23:08

Instrument :

MSVOA_W

ClientSampleId :

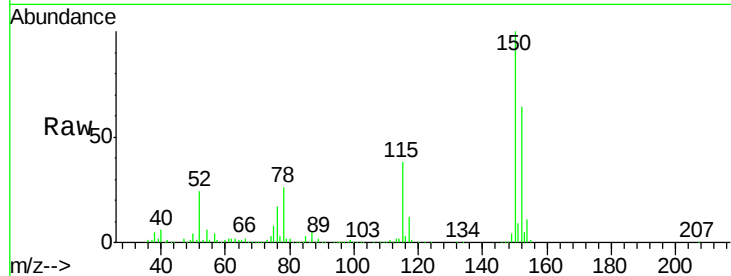
Tot Ion:152 Resp: 118277

Ion Ratio Lower Upper

152 100

115 59.5 28.9 86.8

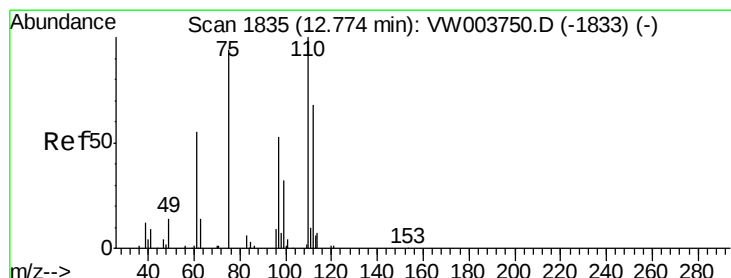
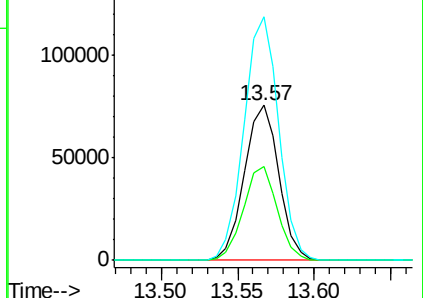
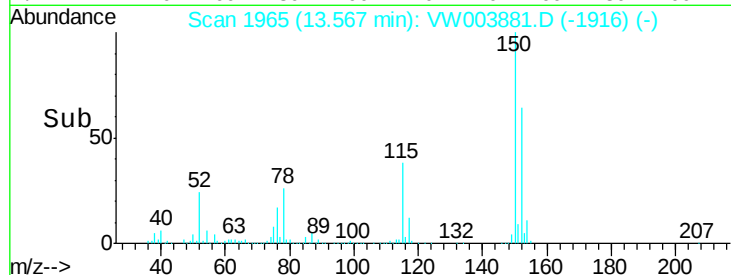
150 157.8 0.0 342.4



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



#76

1,2,3-Trichloropropane

Concen: 52.475 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003881.D

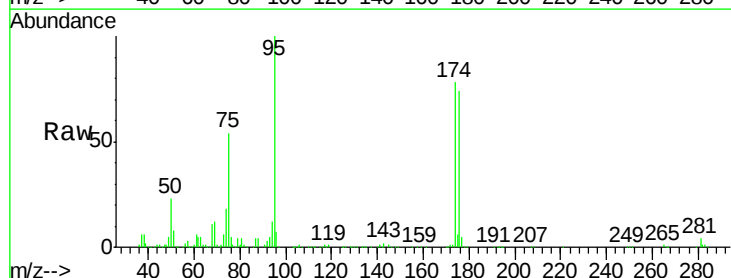
Acq: 11 Jul 2018 23:08

Tgt Ion: 75 Resp: 60948

Ion Ratio Lower Upper

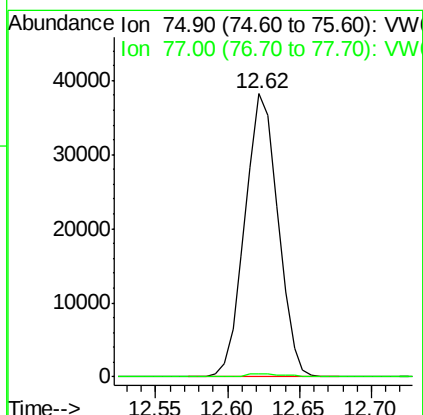
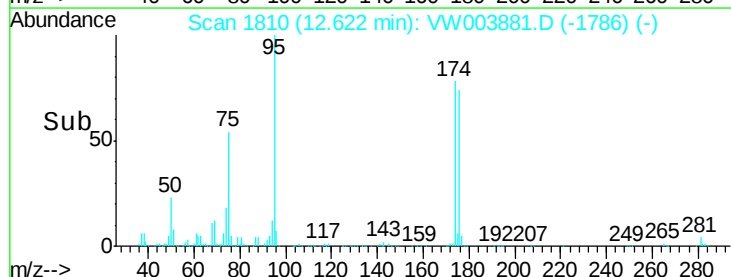
75 100

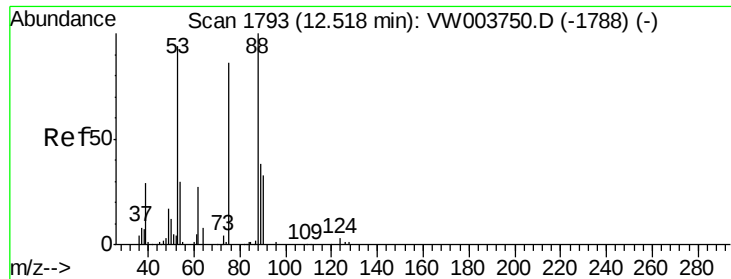
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 128.367 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003881.D

Acq: 11 Jul 2018 23:08

Instrument :

MSVOA_W

ClientSampleId :

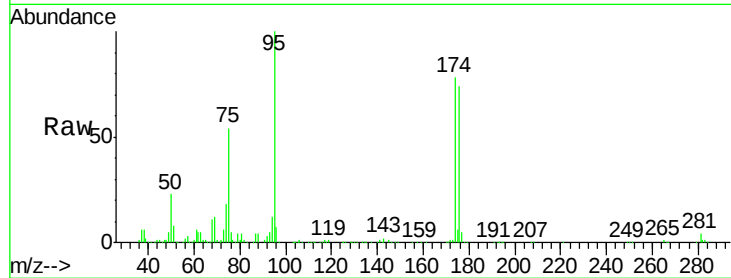
Tot Ion: 75 Resp: 60948

Ion Ratio Lower Upper

75 100

53 0.2 85.0 127.6#

89 0.0 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

