

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003607.D
 Acq On : 27 Jun 2018 12:31
 Operator : SY/AP
 Sample : J3240-05RE
 Misc : 6.07G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 27 14:21:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	156357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	254858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	220273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	87493	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	66091	39.02	ug/l	0.00
Spiked Amount			Recovery	=	78.04%	
35) Dibromofluoromethane	7.88	113	59463	37.55	ug/l	0.00
Spiked Amount			Recovery	=	75.10%	
50) Toluene-d8	10.33	98	189175	30.13	ug/l	0.00
Spiked Amount			Recovery	=	60.26%	
62) 4-Bromofluorobenzene	12.63	95	58348	26.26	ug/l	0.00
Spiked Amount			Recovery	=	52.52%	

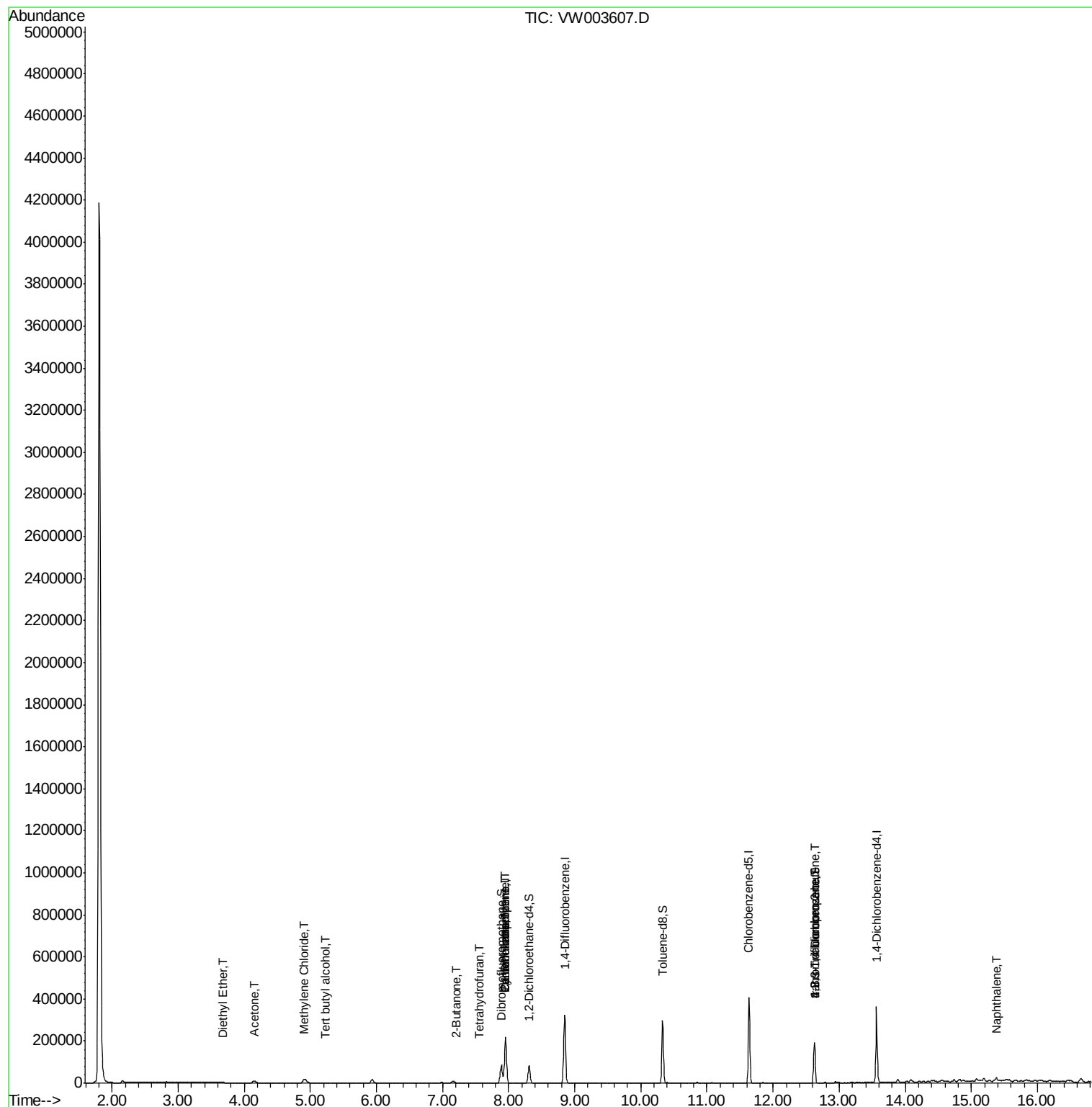
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1815	2.37	ug/l	82
11) Tert butyl alcohol	5.23	59	238	2.62	ug/l #	84
16) Acetone	4.14	43	22722	63.97	ug/l	94
20) Methylene Chloride	4.91	84	14528	6.43	ug/l	92
25) 2-Butanone	7.21	43	2242	5.08	ug/l #	72
29) Tetrahydrofuran	7.55	42	505	1.87	ug/l #	49
31) Cyclohexane	7.95	56	4488	1.64	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13108	5.33	ug/l #	50
38) Carbon Tetrachloride	7.96	117	16127	6.68	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	32499	43.45	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32499	99.98	ug/l #	9
95) Naphthalene	15.38	128	14406	4.74	ug/l #	95

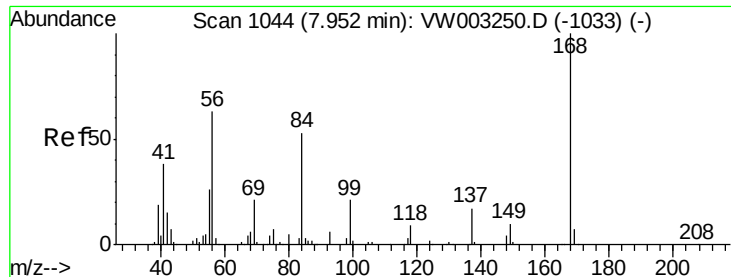
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062718\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

Instrument :

MSVOA_W

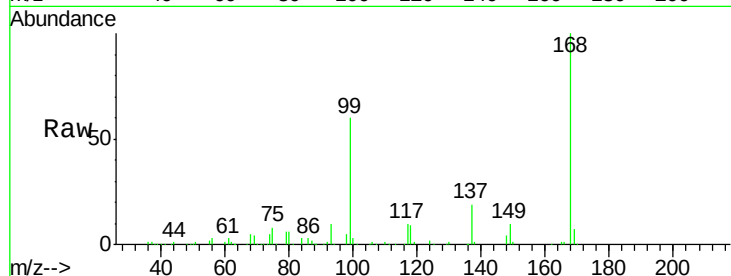
ClientSampled :

Tot Ion:168 Resp: 156357

Ion Ratio Lower Upper

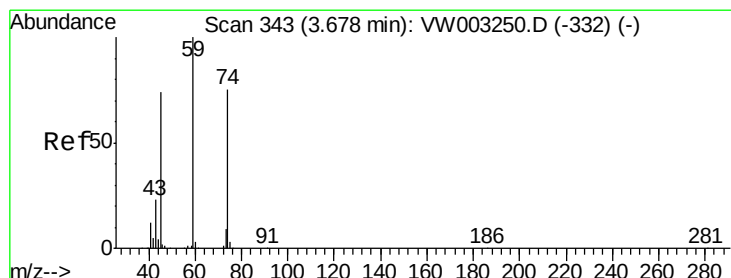
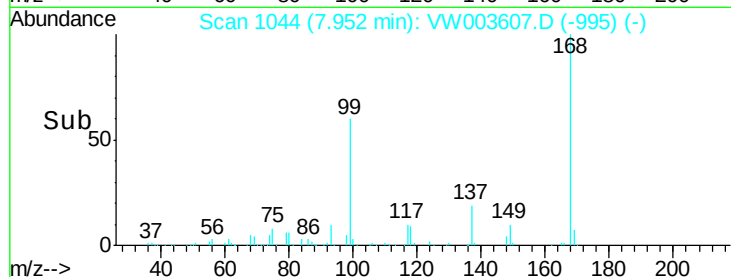
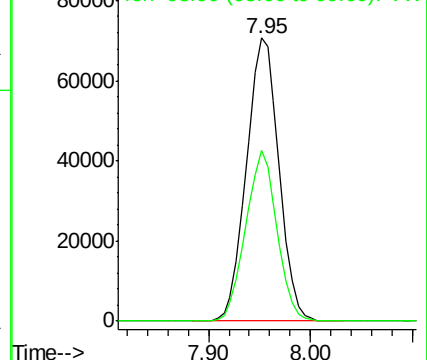
168 100

99 60.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.37 ug/l

RT: 3.68 min Scan# 343

Delta R.T. -0.00 min

Lab File: VW003607.D

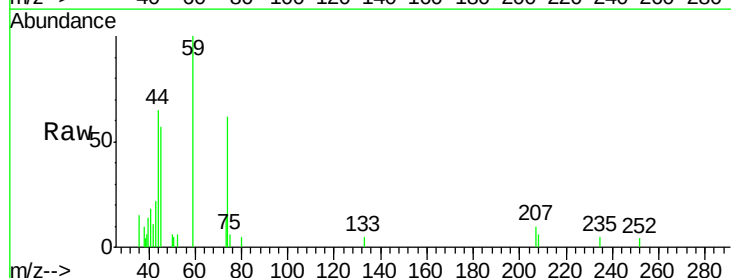
Acq: 27 Jun 2018 12:31

Tgt Ion: 74 Resp: 1815

Ion Ratio Lower Upper

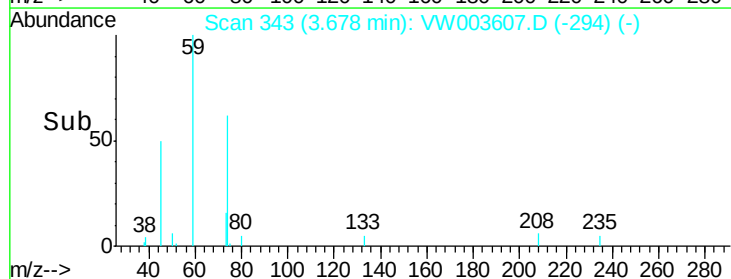
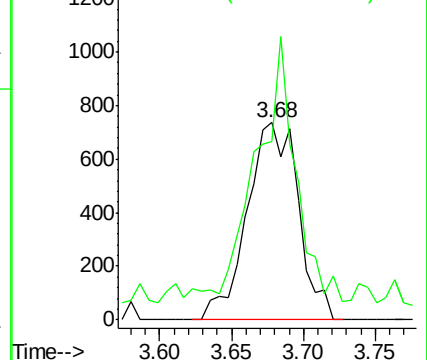
74 100

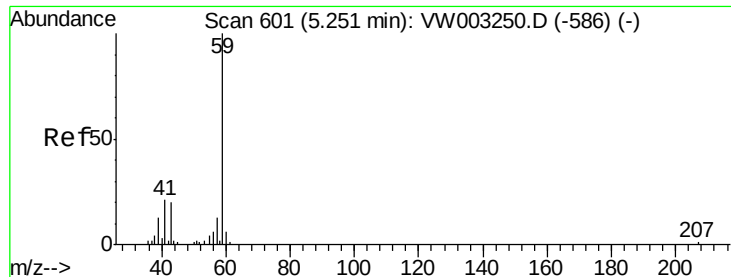
45 120.9 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

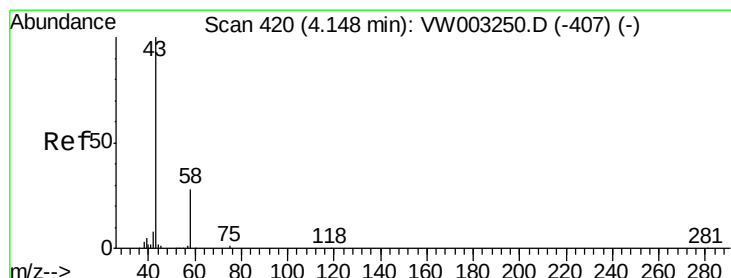
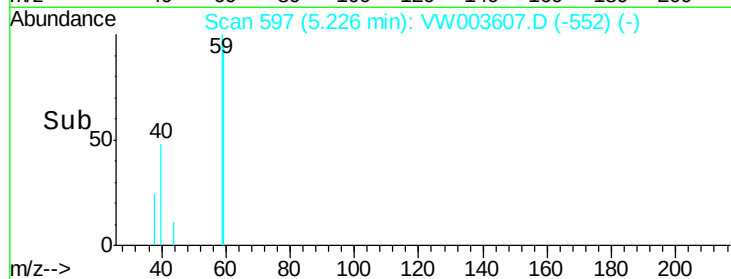
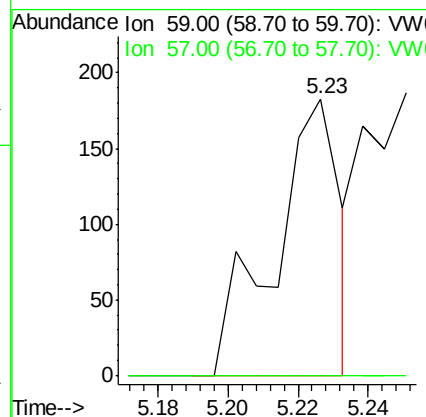
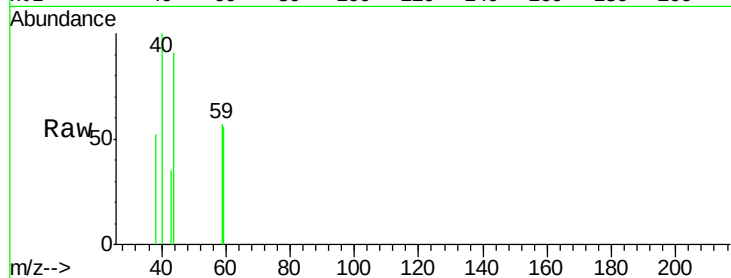




#11
Tert butyl alcohol
Concen: 2.62 ug/l
RT: 5.23 min Scan# 597
Delta R.T. -0.02 min
Lab File: VW003607.D
Acq: 27 Jun 2018 12:31

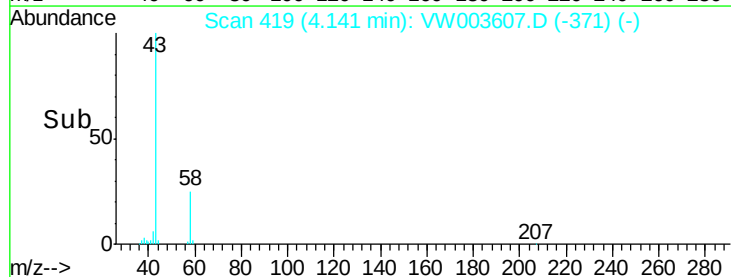
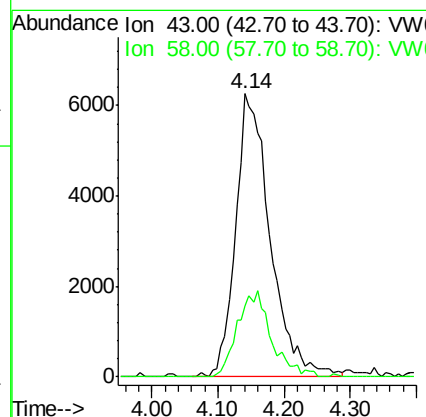
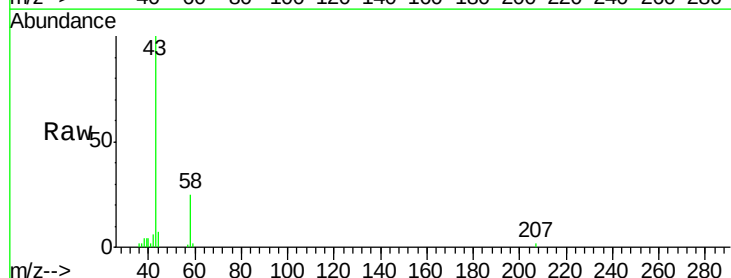
Instrument :
MSVOA_W
ClientSampled :

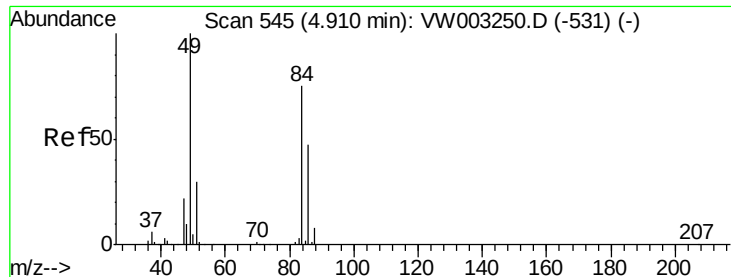
Tot Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#



#16
Acetone
Concen: 63.97 ug/l
RT: 4.14 min Scan# 419
Delta R.T. -0.01 min
Lab File: VW003607.D
Acq: 27 Jun 2018 12:31

Tgt Ion: 43 Resp: 22722
Ion Ratio Lower Upper
43 100
58 24.9 22.6 34.0

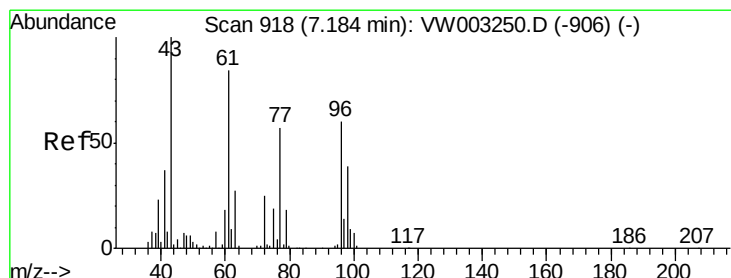
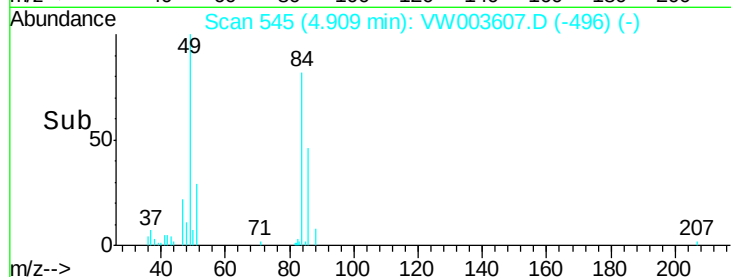
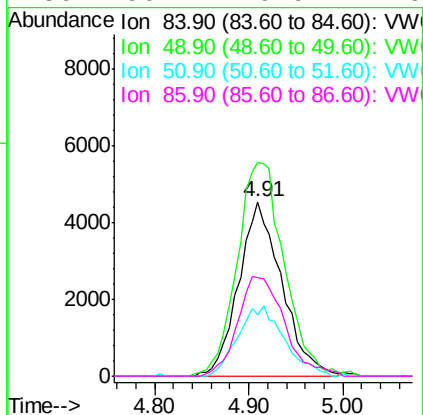
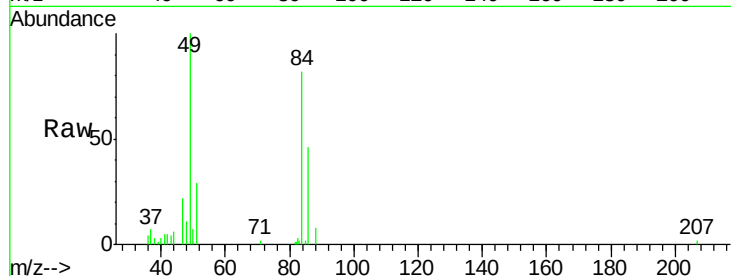




#20
Methvlene Chloride
Concen: 6.43 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003607.D
Acq: 27 Jun 2018 12:31

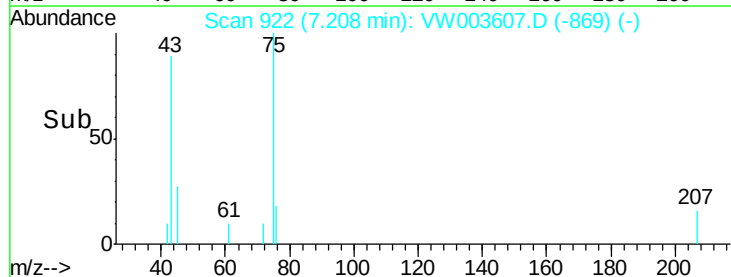
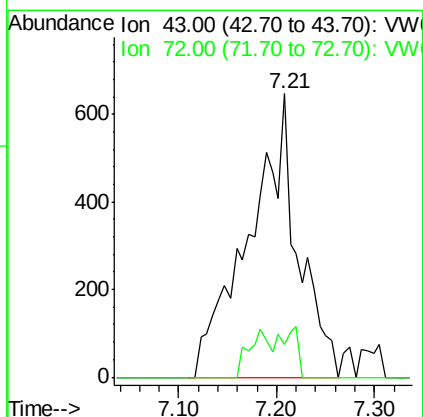
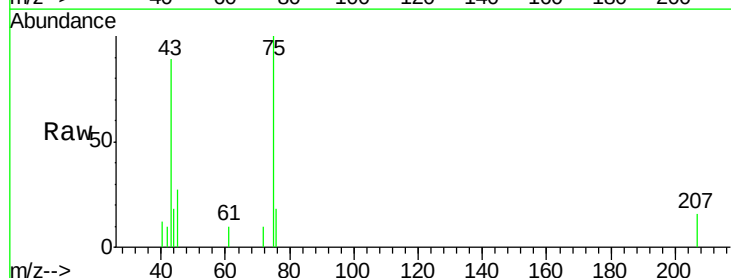
Instrument :
MSVOA_W
ClientSampled :

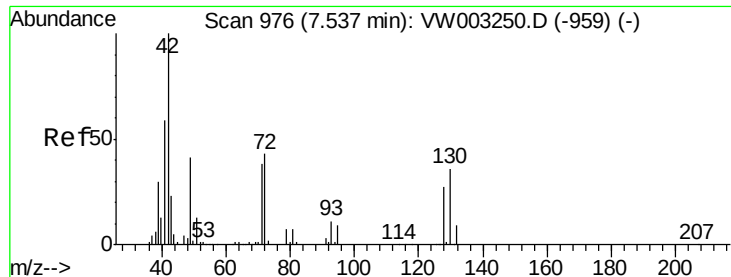
Tot Ion	84	Resp	14528
Ion	Ratio	Lower	Upper
84	100		
49	122.2	106.3	159.5
51	35.2	32.0	48.0
86	56.7	49.9	74.9



#25
2-Butanone
Concen: 5.08 ug/l
RT: 7.21 min Scan# 922
Delta R.T. 0.02 min
Lab File: VW003607.D
Acq: 27 Jun 2018 12:31

Tgt Ion	43	Resp	2242
Ion	Ratio	Lower	Upper
43	100		
72	11.4	20.3	30.5#





#29

Tetrahydrofuran

Concen: 1.87 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

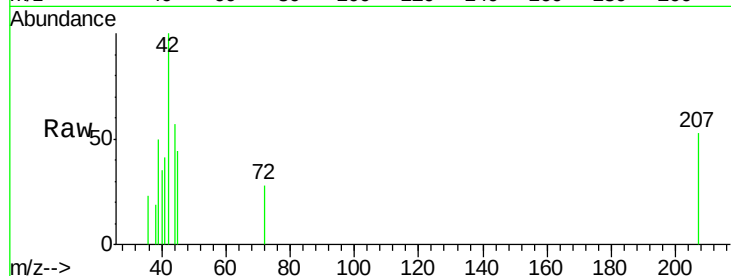
Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

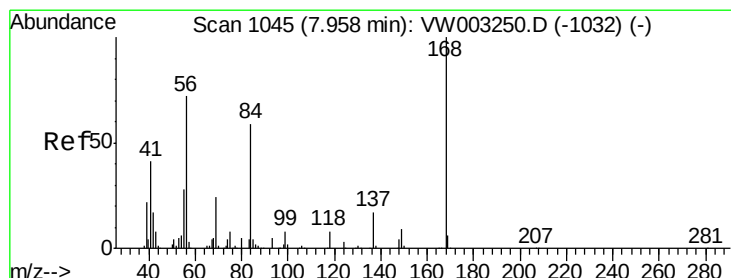
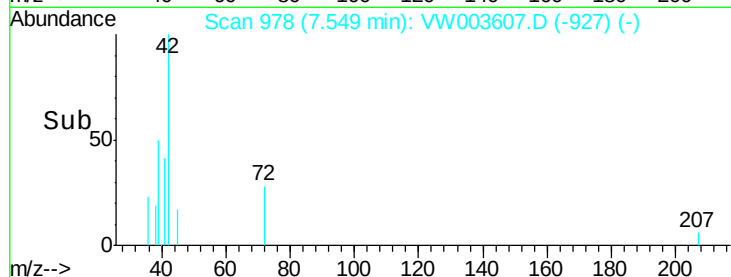
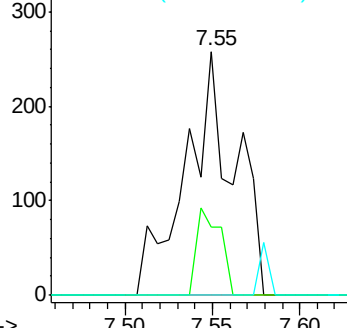
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 505

Ion	Ratio	Lower	Upper
42	100		
72	17.0	32.4	48.6#
71	0.0	31.2	46.8#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.64 ug/l

RT: 7.95 min Scan# 1044

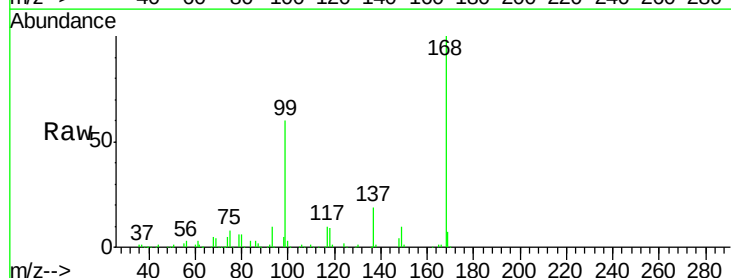
Delta R.T. -0.01 min

Lab File: VW003607.D

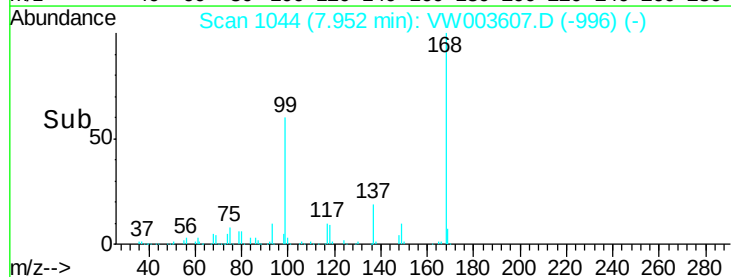
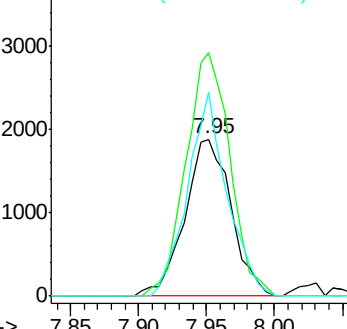
Acq: 27 Jun 2018 12:31

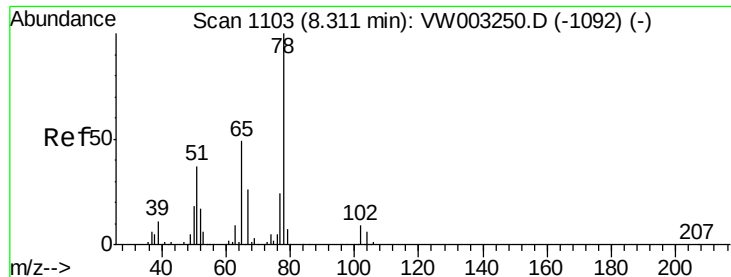
Tgt Ion: 56 Resp: 4488

Ion	Ratio	Lower	Upper
56	100		
69	155.0	26.3	39.5#
84	129.5	65.7	98.5#



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

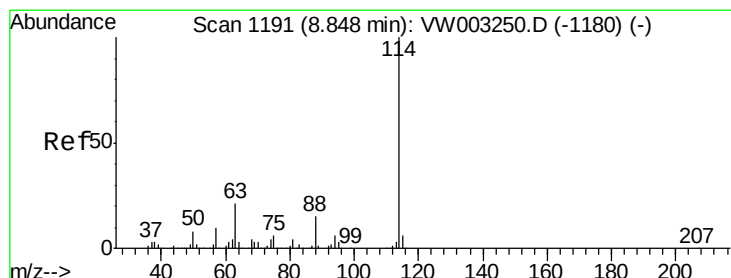
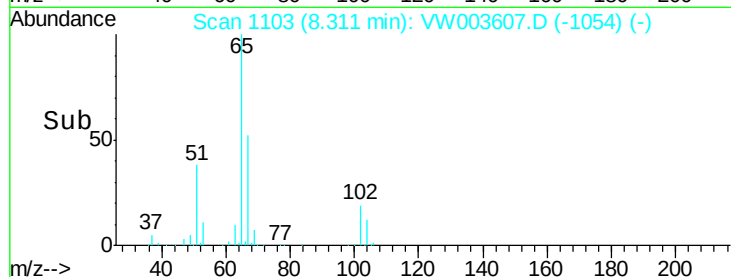
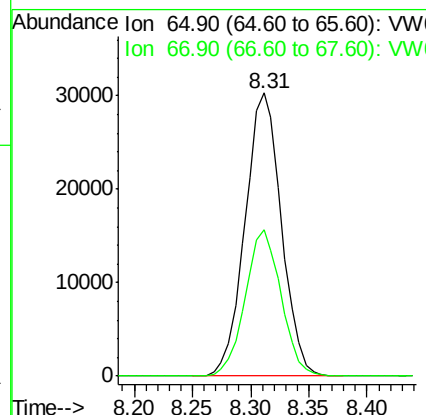
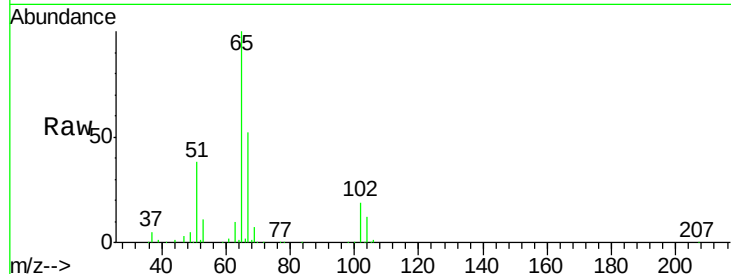




#33
 1,2-Dichloroethane-d4
 Concen: 39.02 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW003607.D
 Acq: 27 Jun 2018 12:31

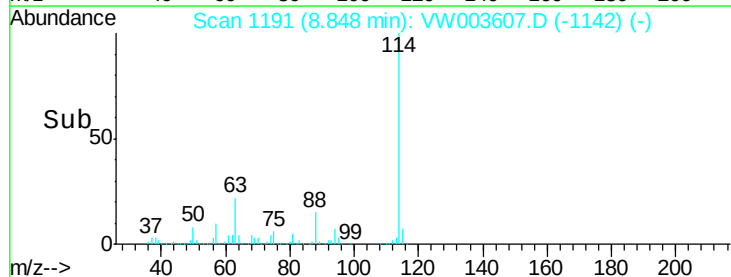
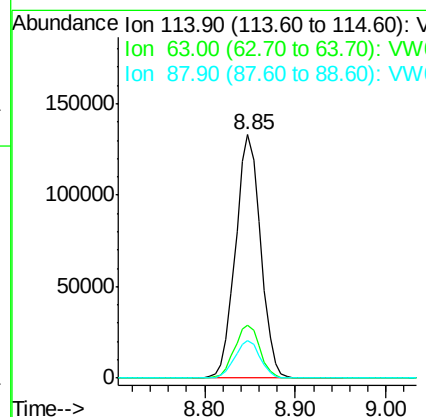
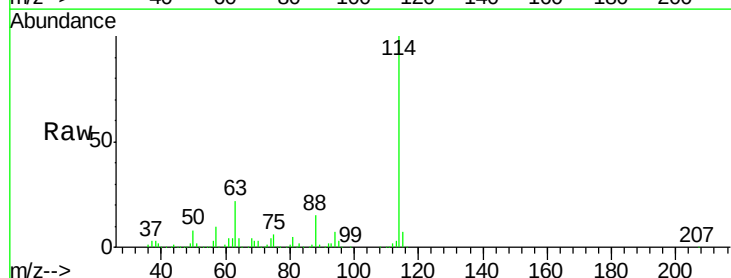
Instrument :
 MSVOA_W
 ClientSampleId :

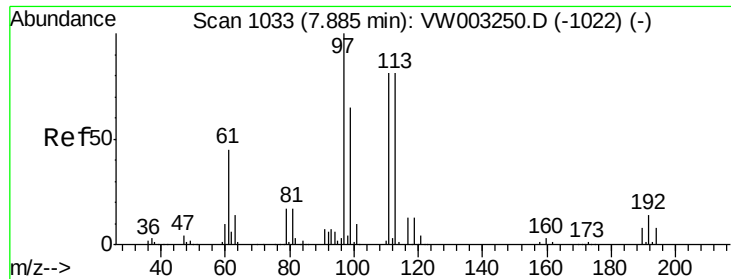
Tot Ion: 65 Resp: 66091
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003607.D
 Acq: 27 Jun 2018 12:31

Tgt Ion: 114 Resp: 254858
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.0
 88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 37.55 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :

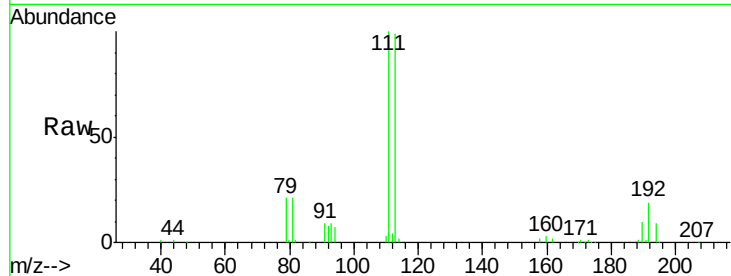
Tot Ion:113 Resp: 59463

Ion Ratio Lower Upper

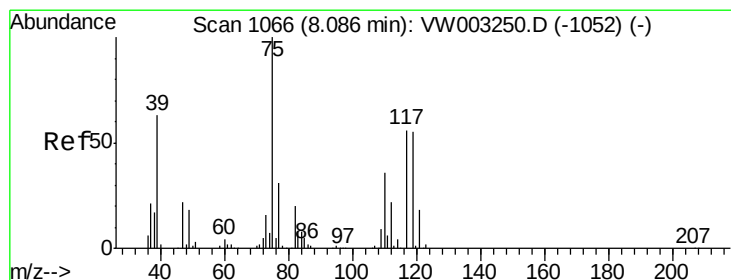
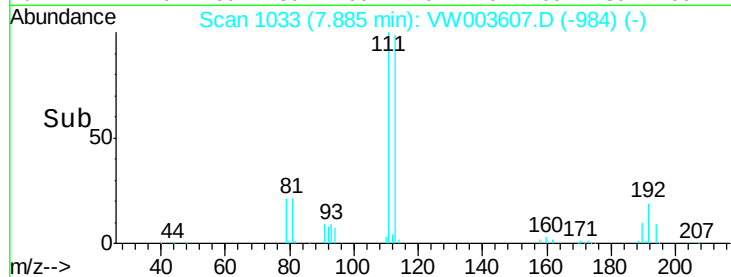
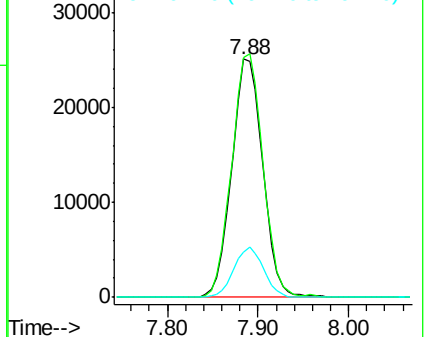
113 100

111 103.1 82.2 123.2

192 20.2 16.2 24.2



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: 5.33 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

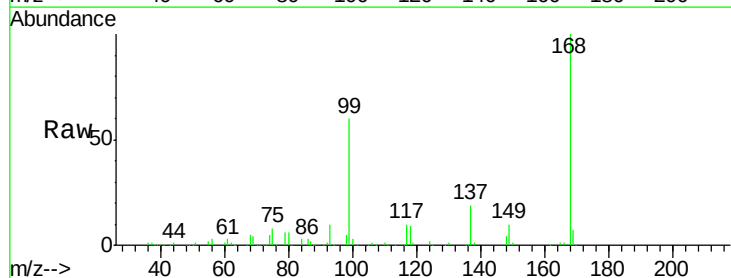
Tgt Ion: 75 Resp: 13108

Ion Ratio Lower Upper

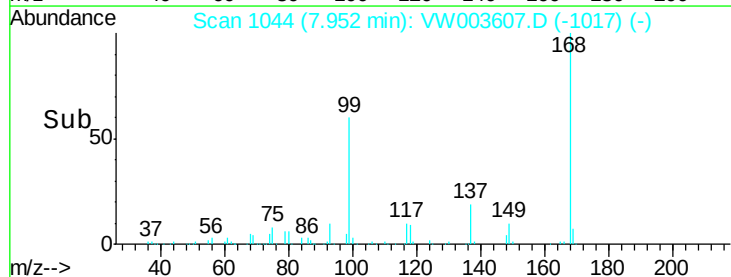
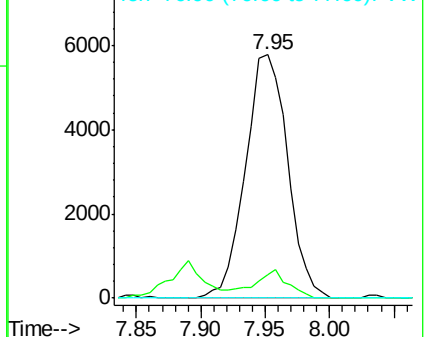
75 100

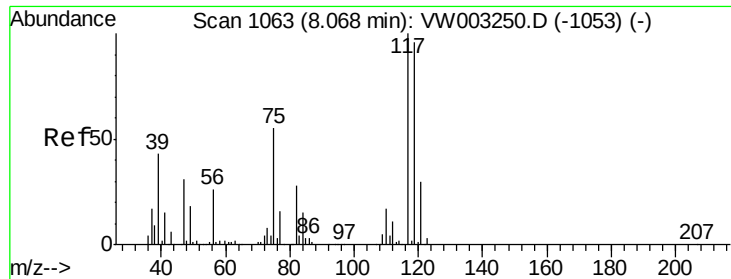
110 9.3 17.1 51.3#

77 0.0 24.9 37.3#



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

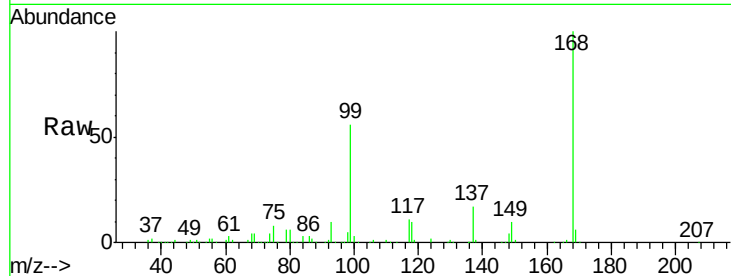




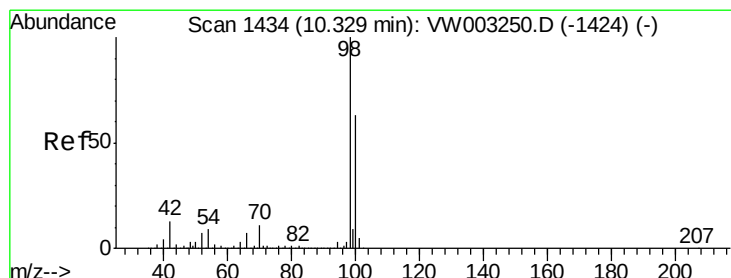
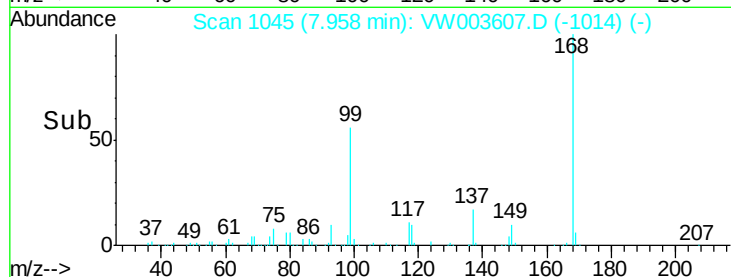
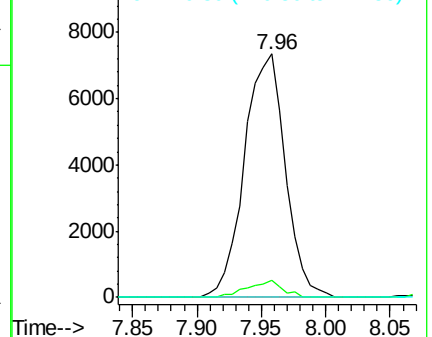
#38
Carbon Tetrachloride
Concen: 6.68 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.11 min
Lab File: VW003607.D
Acq: 27 Jun 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 16127
Ion Ratio Lower Upper
117 100
119 7.0 76.6 115.0#
121 0.0 23.9 35.9#

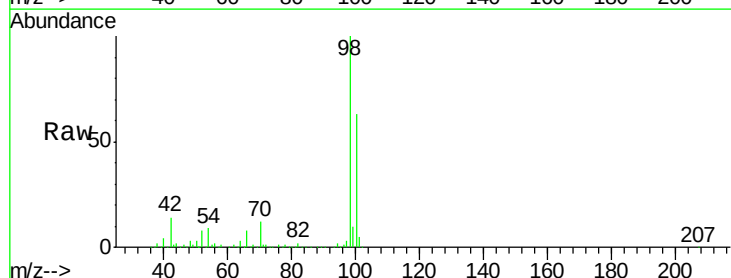


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

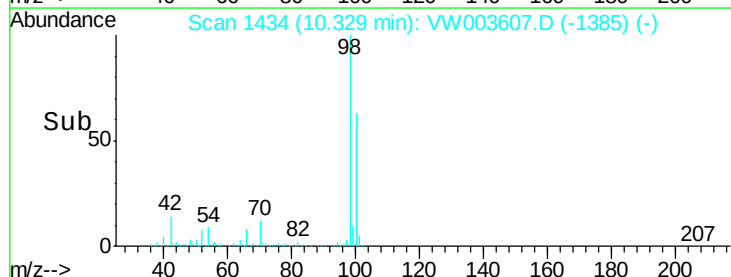
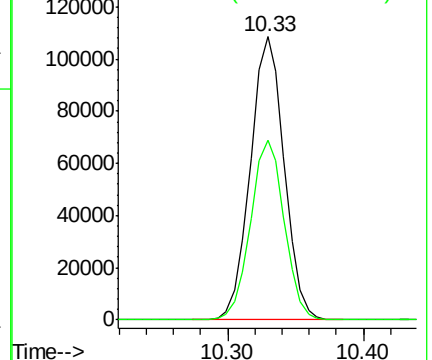


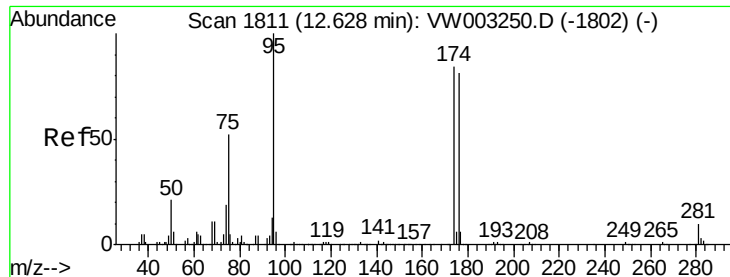
#50
Toluene-d8
Concen: 30.13 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003607.D
Acq: 27 Jun 2018 12:31

Tgt Ion: 98 Resp: 189175
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 26.26 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

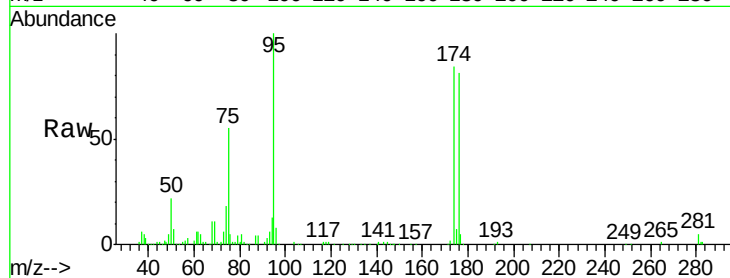
Tot Ion: 95 Resp: 58348

Ion Ratio Lower Upper

95 100

174 84.7 0.0 166.4

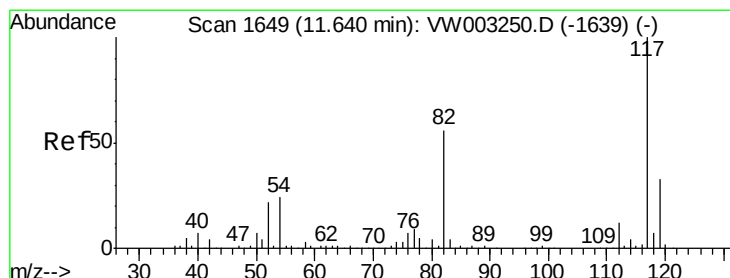
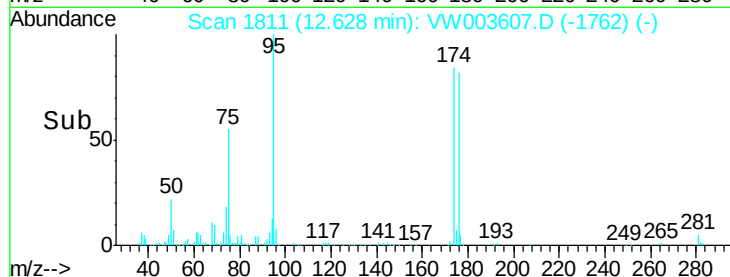
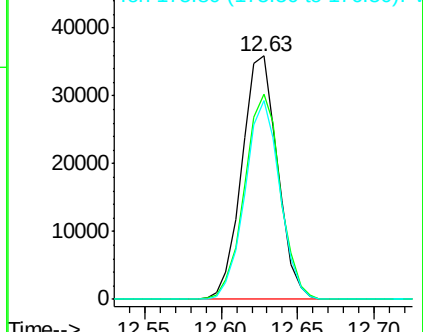
176 79.6 0.0 162.0



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: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

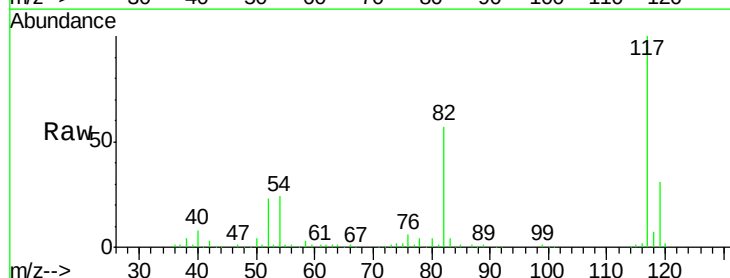
Tgt Ion: 117 Resp: 220273

Ion Ratio Lower Upper

117 100

82 56.5 44.6 67.0

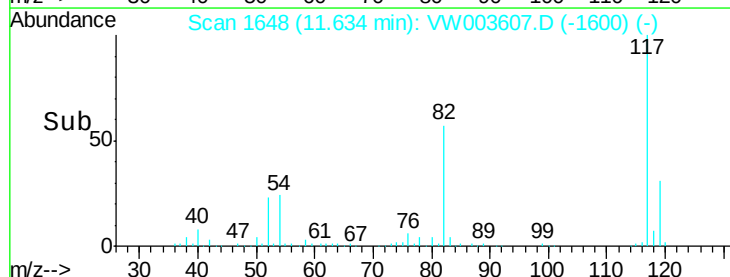
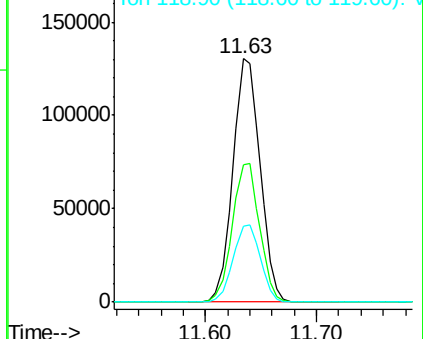
119 31.0 26.7 40.1

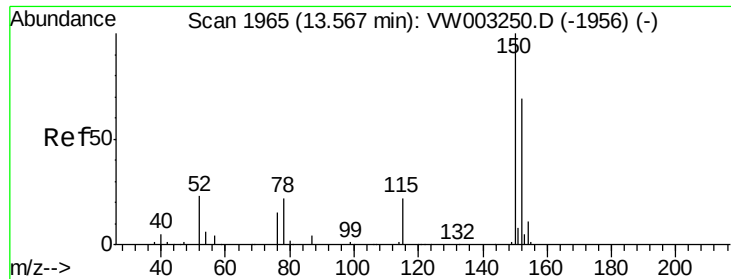


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

Instrument :

MSVOA_W

ClientSampled :

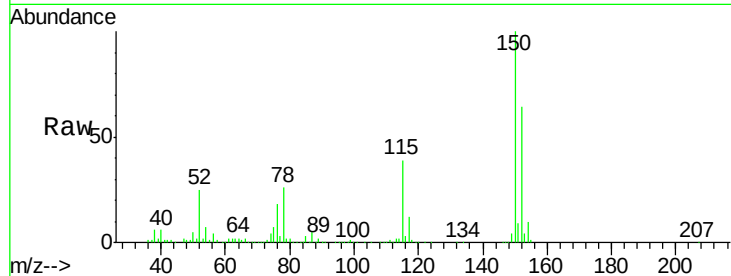
Tot Ion:152 Resp: 87493

Ion Ratio Lower Upper

152 100

115 59.3 29.3 88.0

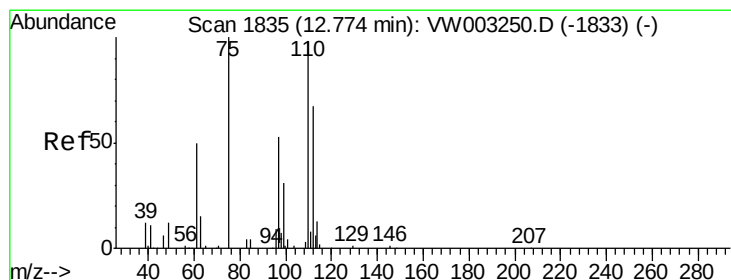
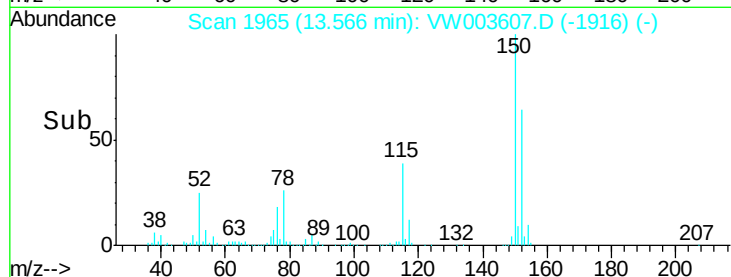
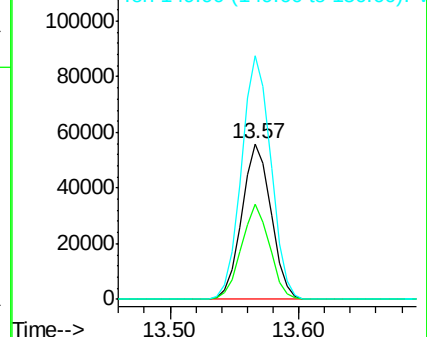
150 157.6 0.0 349.6



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: 43.45 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003607.D

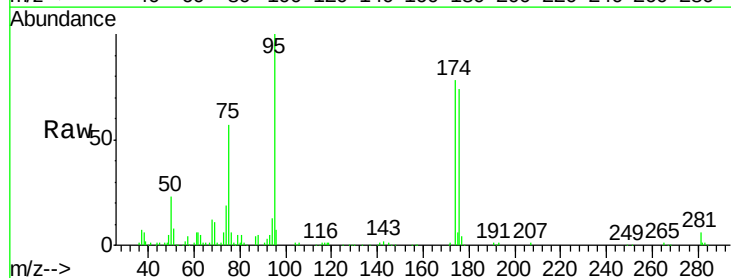
Acq: 27 Jun 2018 12:31

Tgt Ion: 75 Resp: 32499

Ion Ratio Lower Upper

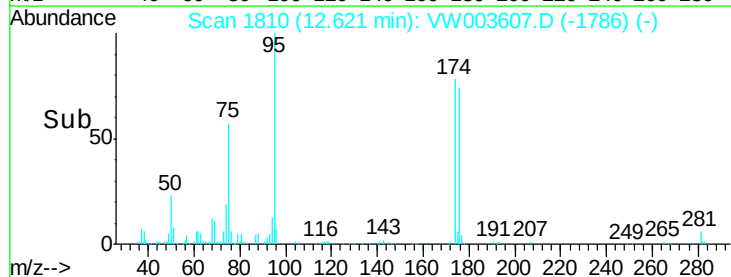
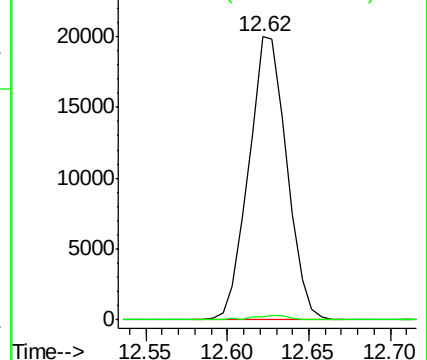
75 100

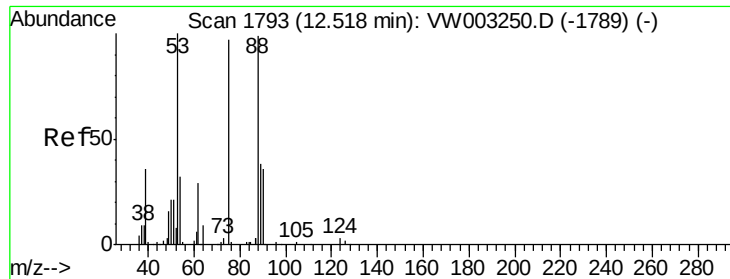
77 1.5 0.0 0.0#



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: 99.98 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

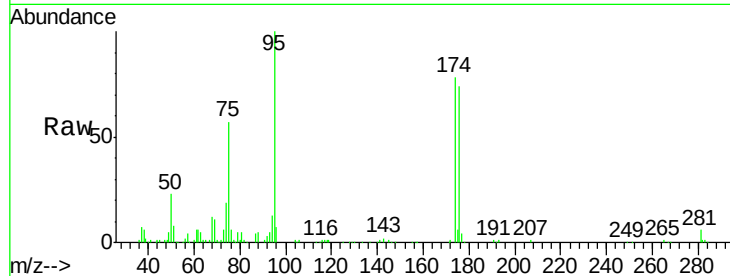
Tot Ion: 75 Resp: 32499

Ion Ratio Lower Upper

75 100

53 0.4 82.9 124.3#

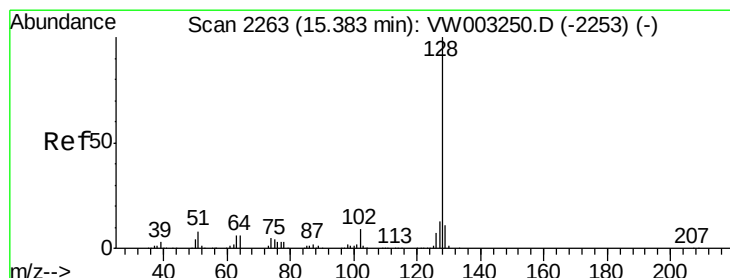
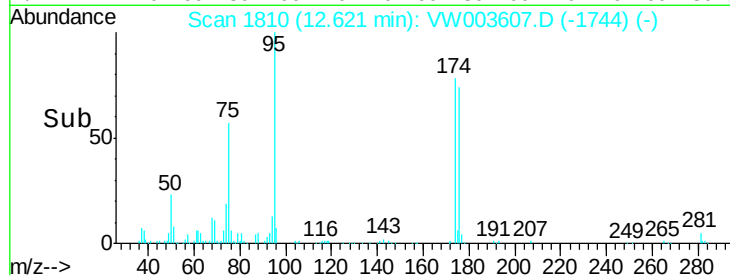
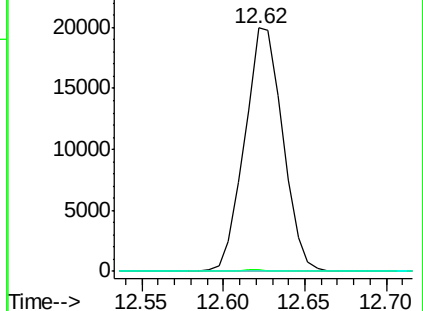
89 0.0 36.7 55.1#



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



#95

Naphthalene

Concen: 4.74 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003607.D

Acq: 27 Jun 2018 12:31

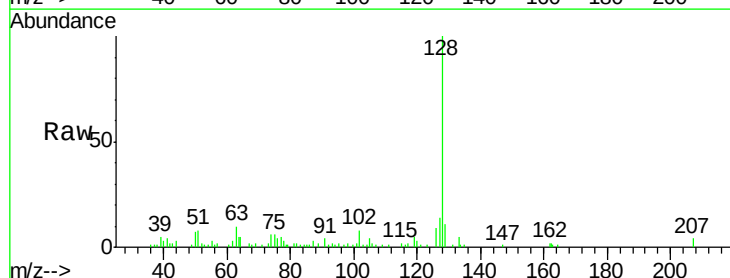
Tgt Ion: 128 Resp: 14406

Ion Ratio Lower Upper

128 100

127 16.3 10.5 15.7#

129 10.5 8.9 13.3



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

