

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003609.D
 Acq On : 27 Jun 2018 13:22
 Operator : SY/AP
 Sample : J3241-15RE
 Misc : 6.38G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 27 14:21:27 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	165487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	280061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	258208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	115002	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	77017	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	
35) Dibromofluoromethane	7.89	113	67152	38.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.18%	
50) Toluene-d8	10.33	98	218142	31.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.22%	
62) 4-Bromofluorobenzene	12.63	95	83932	34.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.74%	

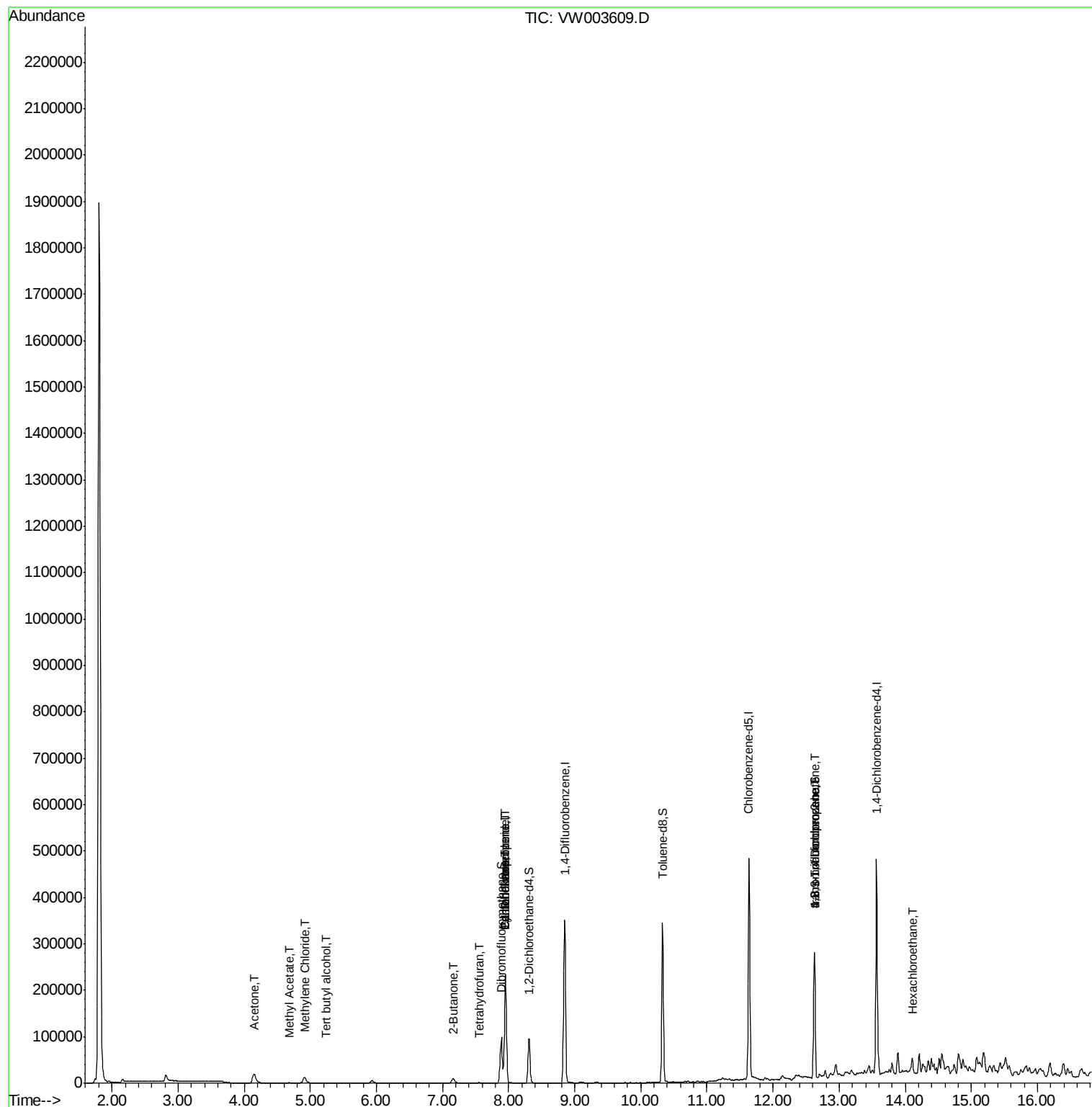
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	430	4.47	ug/l #	84
16) Acetone	4.15	43	41782	111.14	ug/l	99
18) Methyl Acetate	4.68	43	1300	1.46	ug/l	93
20) Methylene Chloride	4.92	84	8717	1.93	ug/l	88
25) 2-Butanone	7.17	43	968	2.07	ug/l #	50
29) Tetrahydrofuran	7.55	42	656	2.30	ug/l #	74
31) Cyclohexane	7.95	56	4584	1.58	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	14065	5.20	ug/l #	49
38) Carbon Tetrachloride	7.95	117	16531	6.23	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	46029	46.82	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46029	107.73	ug/l #	9
90) Hexachloroethane	14.12	117	1998	1.47	ug/l #	10

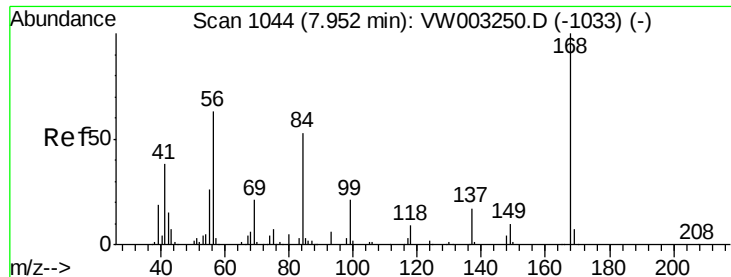
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003609.D

Acq: 27 Jun 2018 13:22

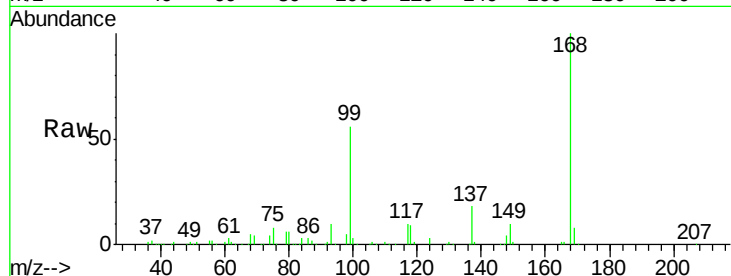
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 165487

Ion Ratio Lower Upper

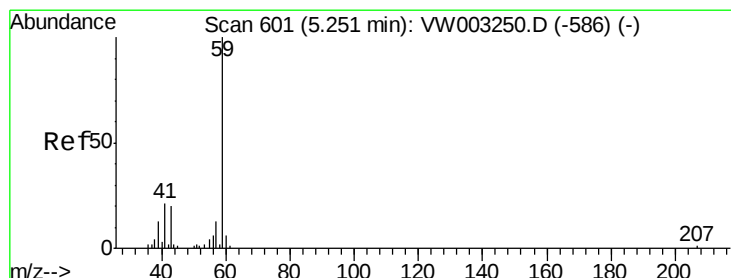
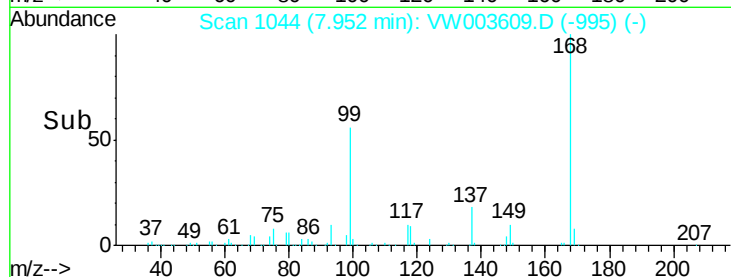
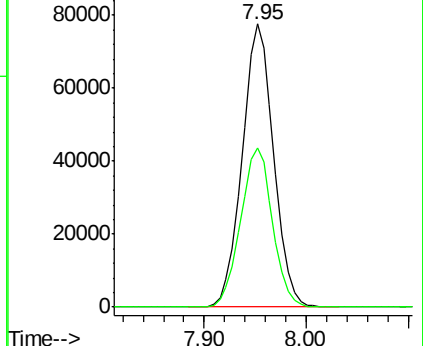
168 100

99 56.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.47 ug/l

RT: 5.25 min Scan# 600

Delta R.T. -0.01 min

Lab File: VW003609.D

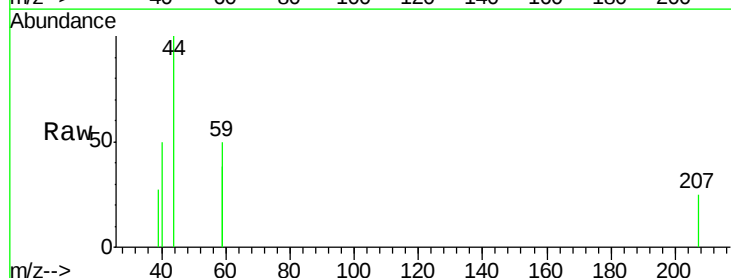
Acq: 27 Jun 2018 13:22

Tgt Ion: 59 Resp: 430

Ion Ratio Lower Upper

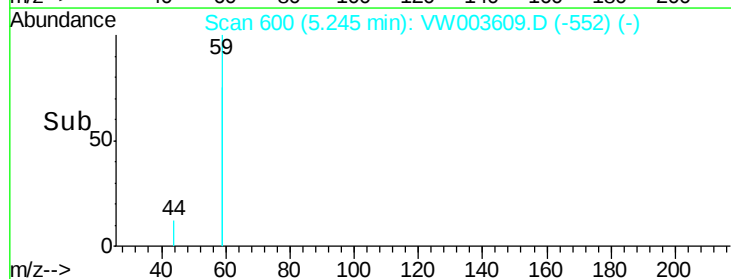
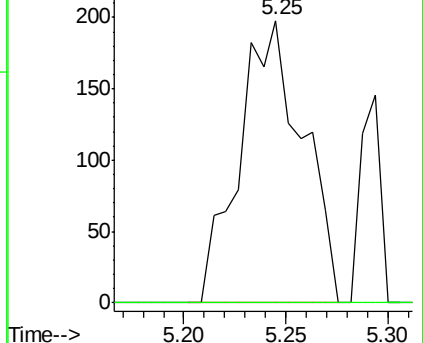
59 100

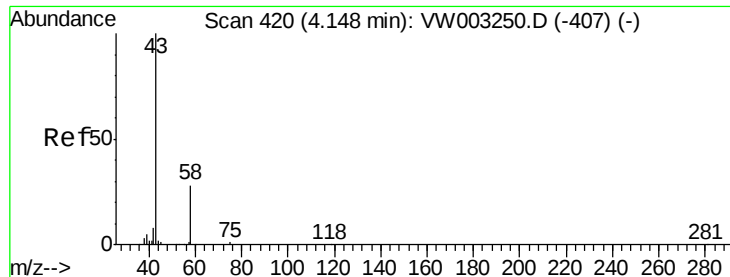
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 111.14 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003609.D

Acq: 27 Jun 2018 13:22

Instrument :

MSVOA_W

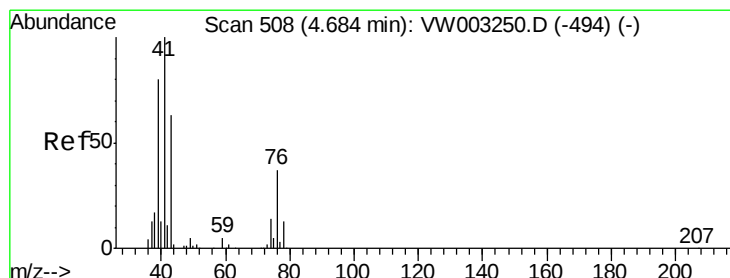
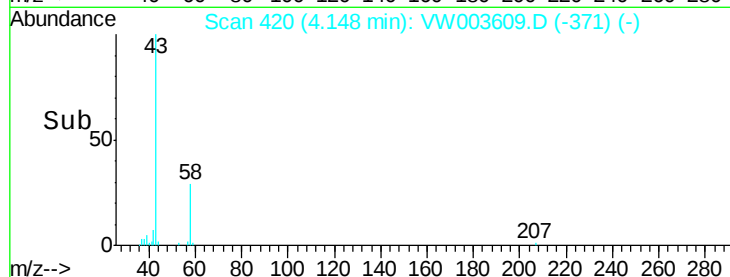
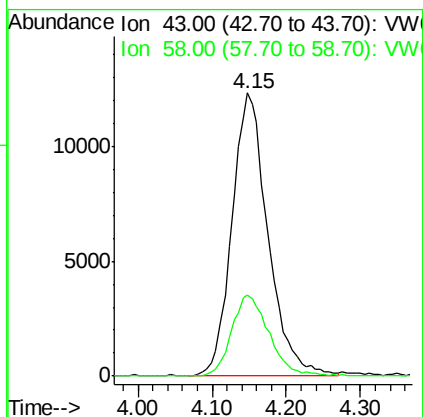
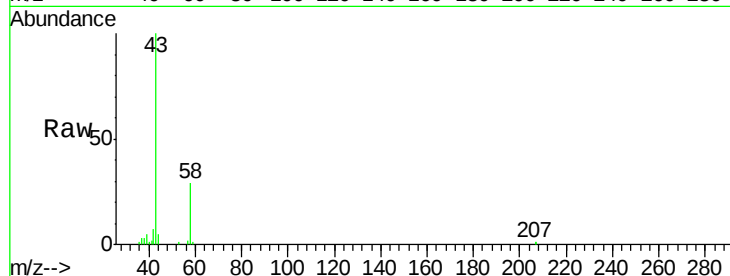
ClientSampled :

Tot Ion: 43 Resp: 41782

Ion Ratio Lower Upper

43 100

58 28.7 22.6 34.0



#18

Methyl Acetate

Concen: 1.46 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003609.D

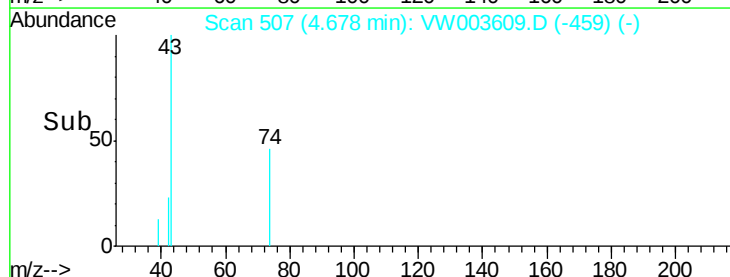
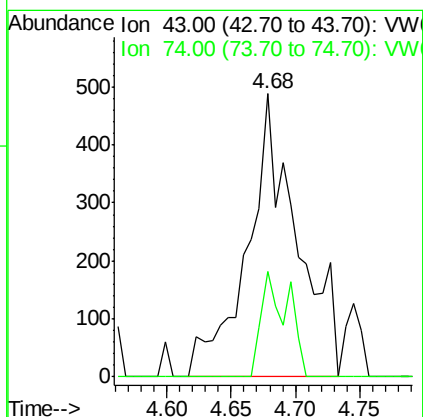
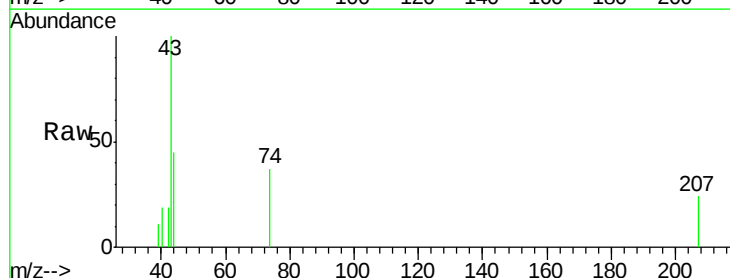
Acq: 27 Jun 2018 13:22

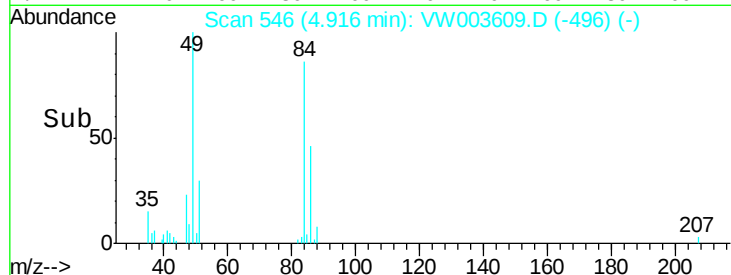
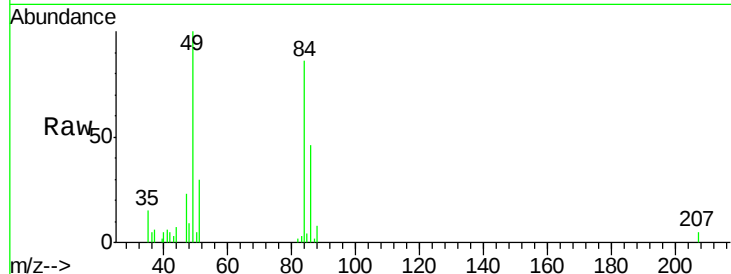
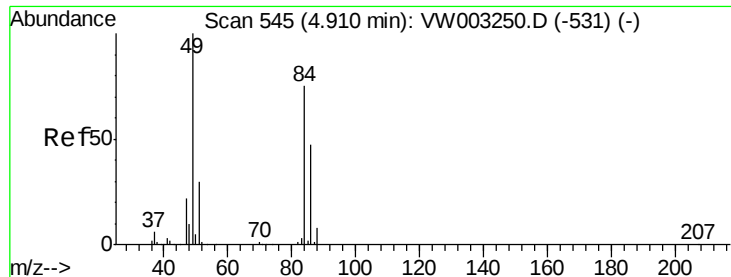
Tgt Ion: 43 Resp: 1300

Ion Ratio Lower Upper

43 100

74 19.9 18.7 28.1

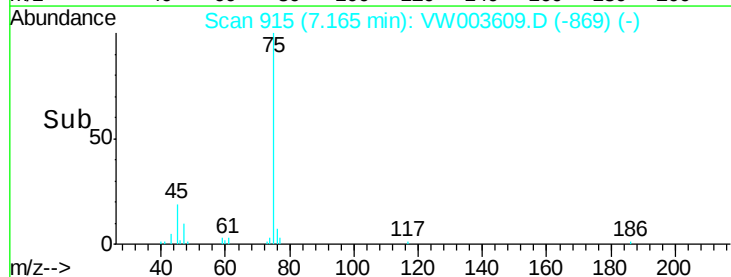
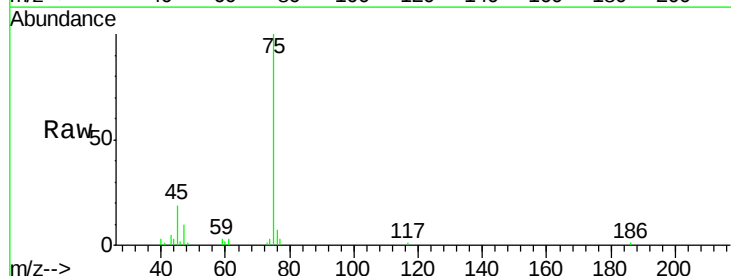
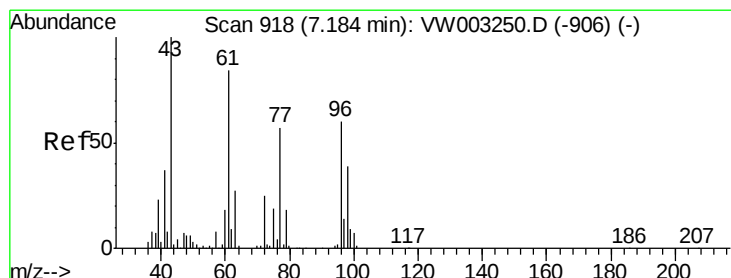
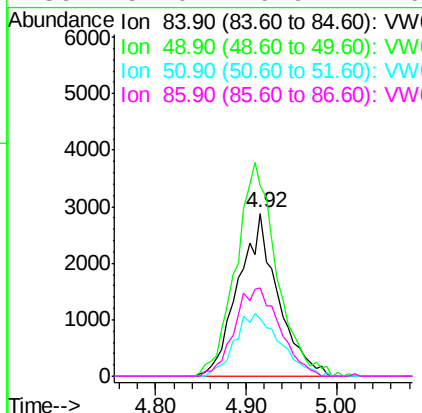




#20
Methvlene Chloride
Concen: 1.93 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003609.D
Acq: 27 Jun 2018 13:22

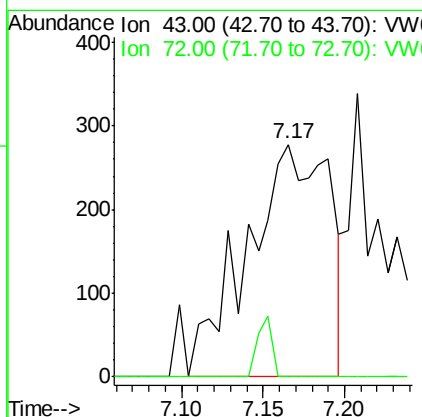
Instrument :
MSVOA_W
ClientSampleId :

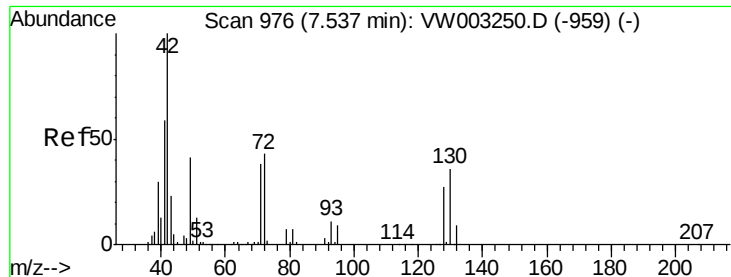
Tot Ion: 84 Resp: 8717
Ion Ratio Lower Upper
84 100
49 116.9 106.3 159.5
51 35.3 32.0 48.0
86 54.0 49.9 74.9



#25
2-Butanone
Concen: 2.07 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.02 min
Lab File: VW003609.D
Acq: 27 Jun 2018 13:22

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#

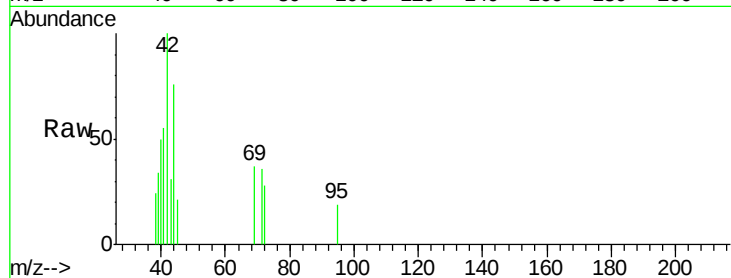




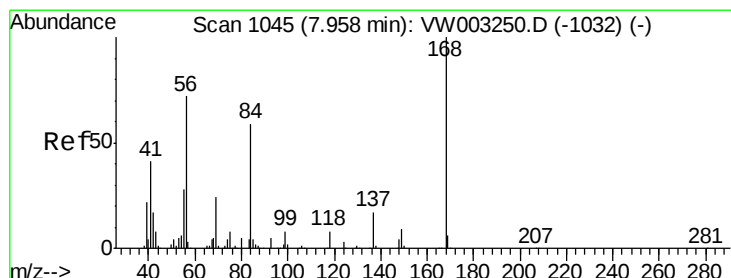
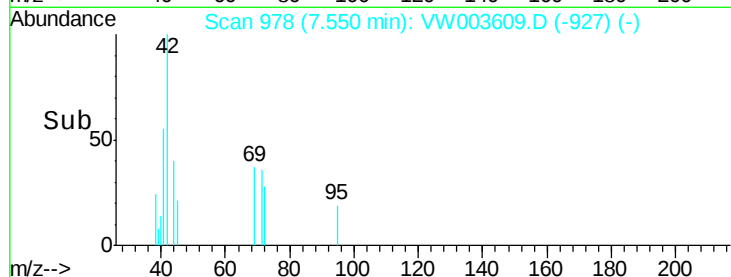
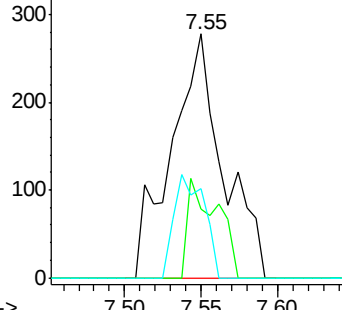
#29
Tetrahydrofuran
Concen: 2.30 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003609.D
Acq: 27 Jun 2018 13:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 656
Ion Ratio Lower Upper
42 100
72 23.0 32.4 48.6#
71 24.5 31.2 46.8#

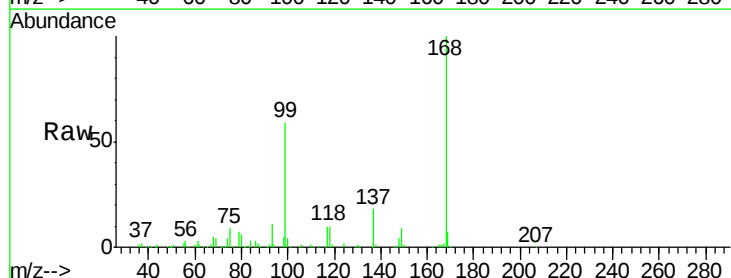


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

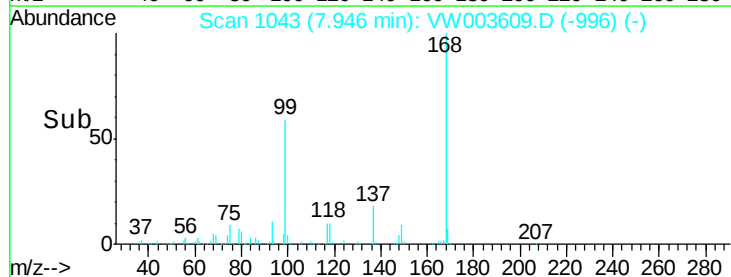
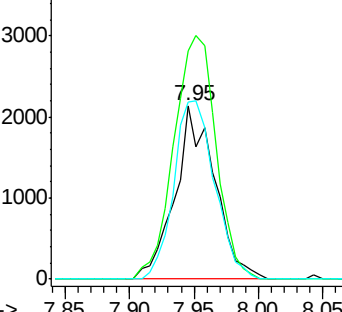


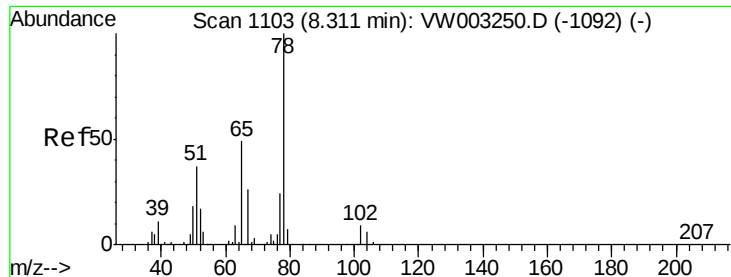
#31
Cyclohexane
Concen: 1.58 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003609.D
Acq: 27 Jun 2018 13:22

Tgt Ion: 56 Resp: 4584
Ion Ratio Lower Upper
56 100
69 131.6 26.3 39.5#
84 102.1 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: 42.97 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003609.D

Acq: 27 Jun 2018 13:22

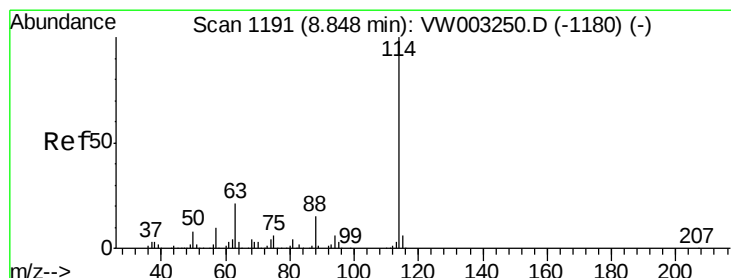
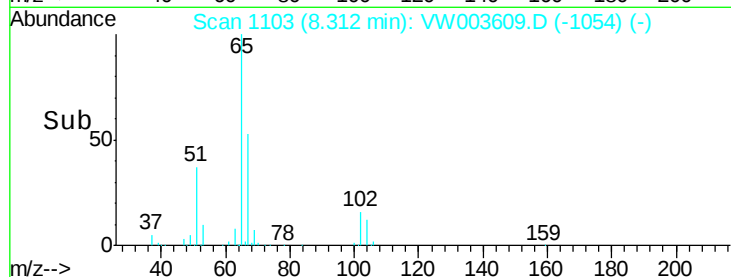
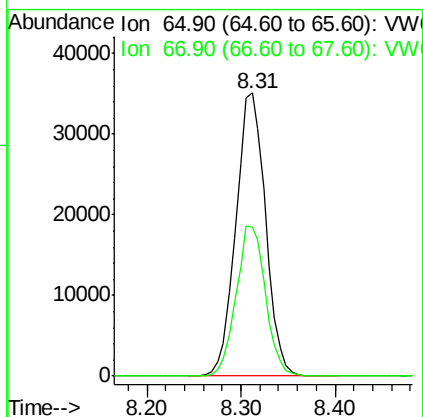
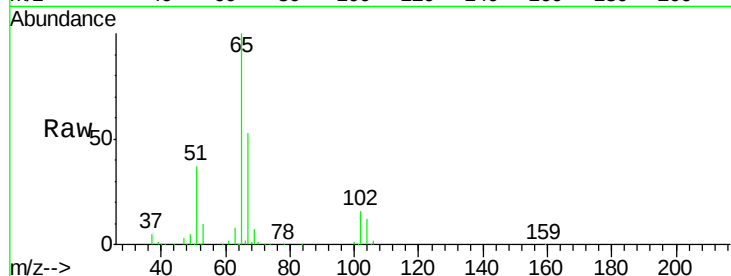
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 77017

Ion Ratio Lower Upper

65 100

67 52.6 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: VW003609.D

Acq: 27 Jun 2018 13:22

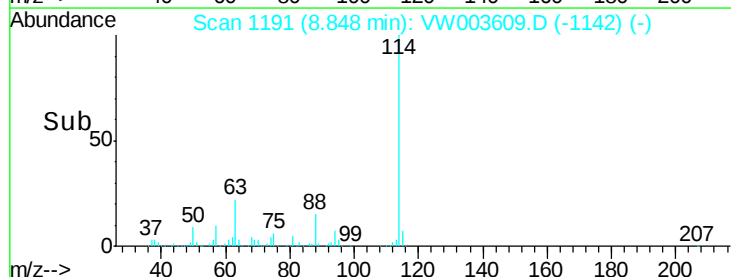
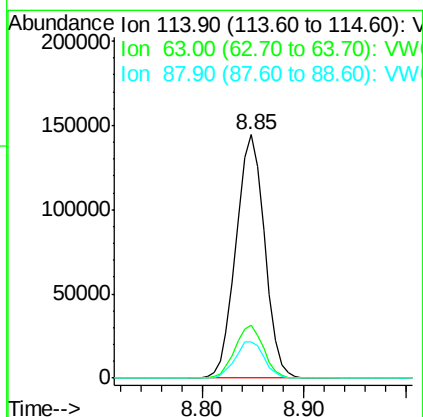
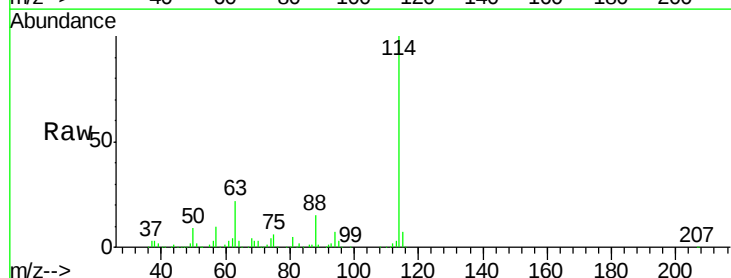
Tgt Ion: 114 Resp: 280061

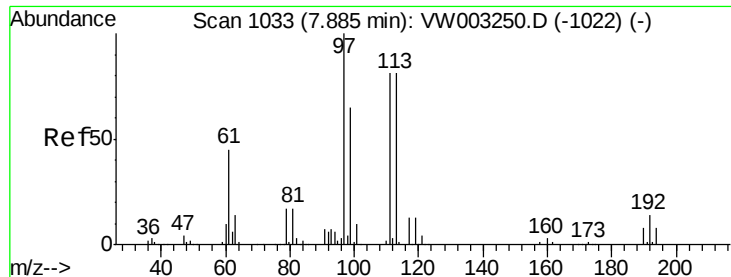
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.0

88 14.9 0.0 29.6

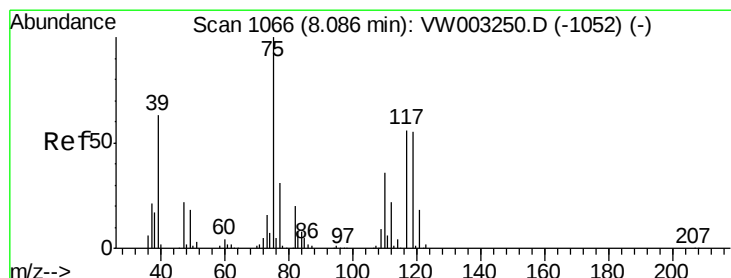
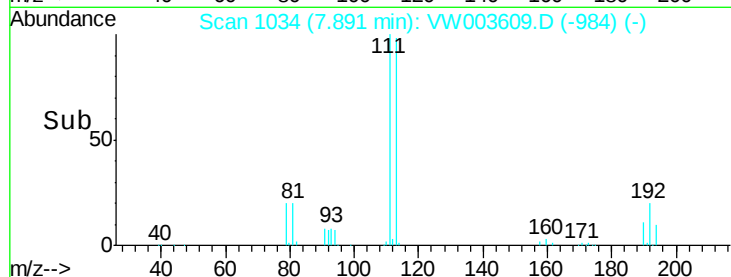
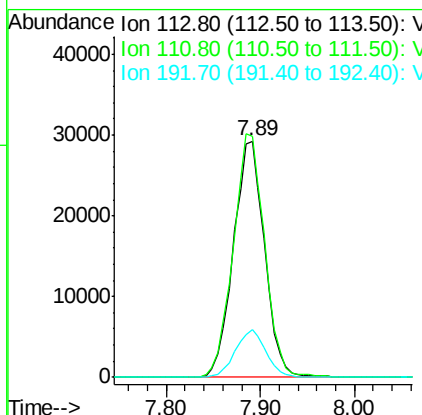
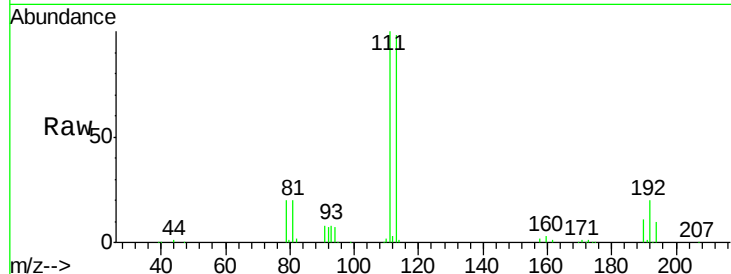




#35
 Dibromofluoromethane
 Concen: 38.59 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003609.D
 Acq: 27 Jun 2018 13:22

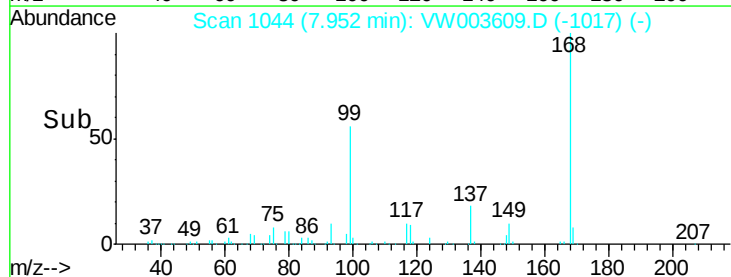
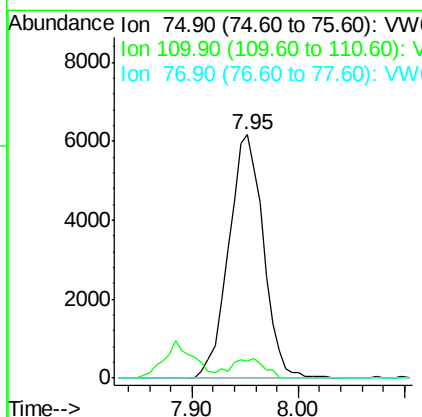
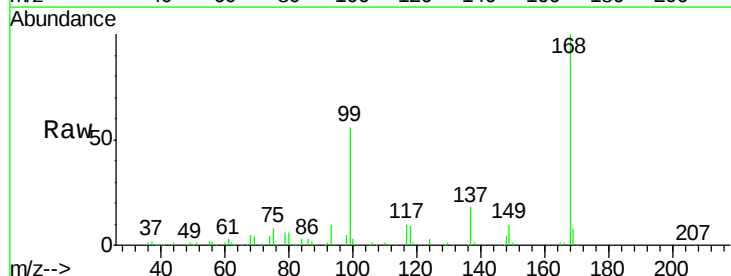
Instrument :
 MSVOA_W
 ClientSampleId :

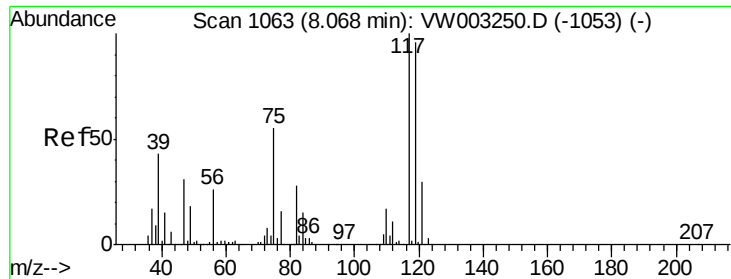
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.2
192	19.9	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.20 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003609.D
 Acq: 27 Jun 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.1	51.3#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.23 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003609.D

Acq: 27 Jun 2018 13:22

Instrument :

MSVOA_W

ClientSampleId :

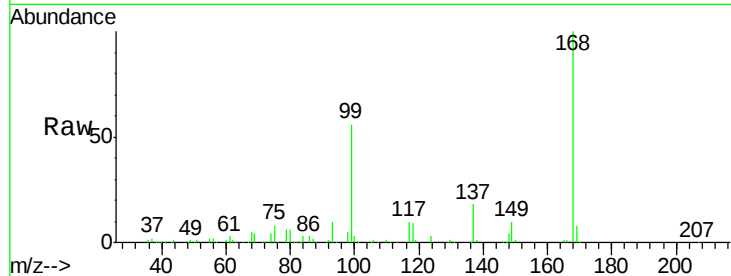
Tot Ion:117 Resp: 16531

Ion Ratio Lower Upper

117 100

119 5.8 76.6 115.0#

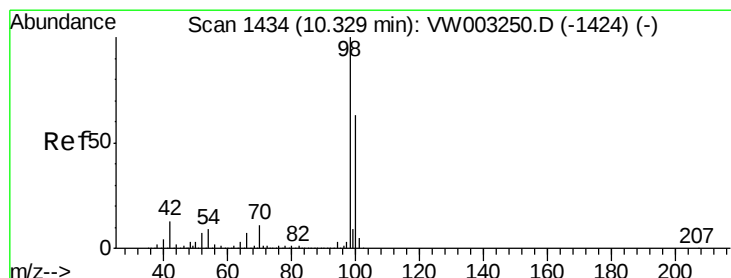
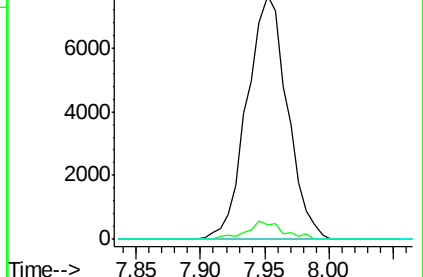
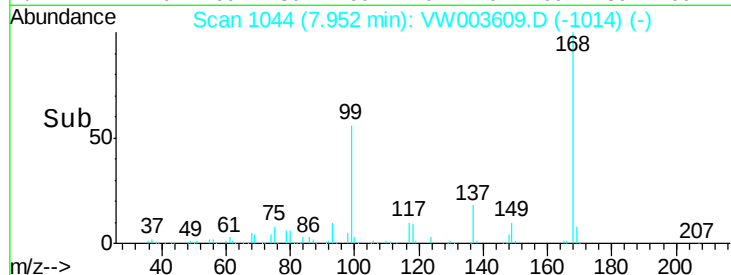
121 0.0 23.9 35.9#



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: 31.61 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003609.D

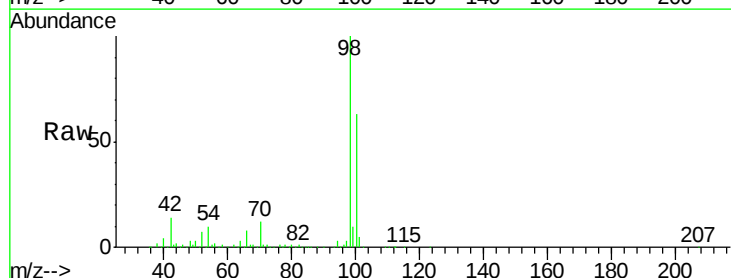
Acq: 27 Jun 2018 13:22

Tgt Ion: 98 Resp: 218142

Ion Ratio Lower Upper

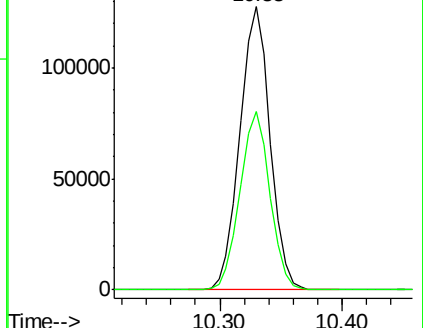
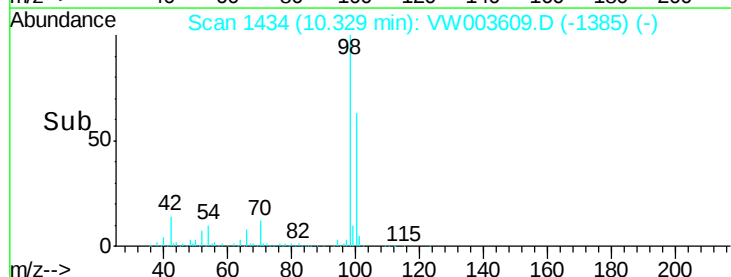
98 100

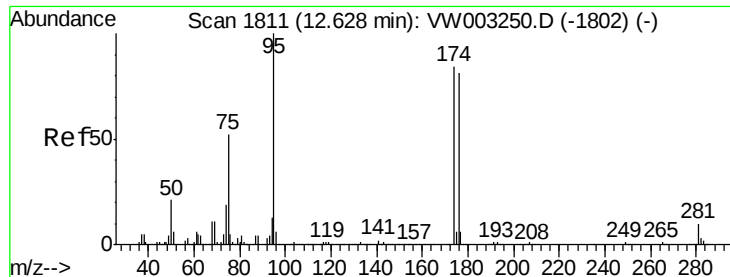
100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

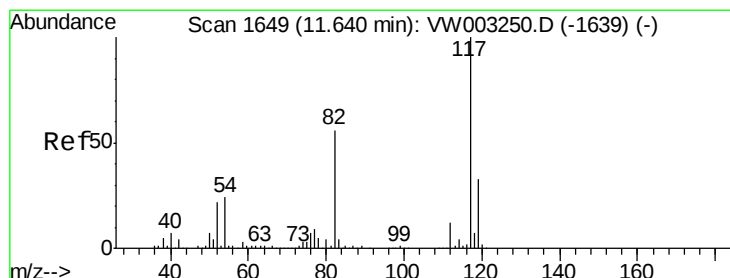
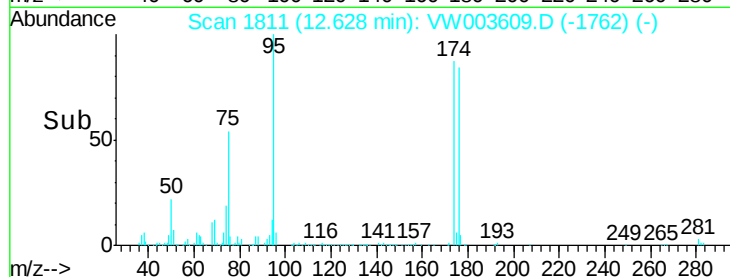
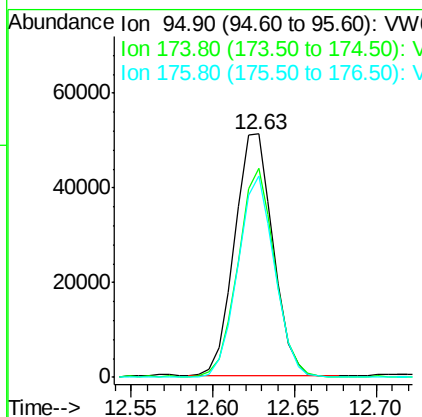
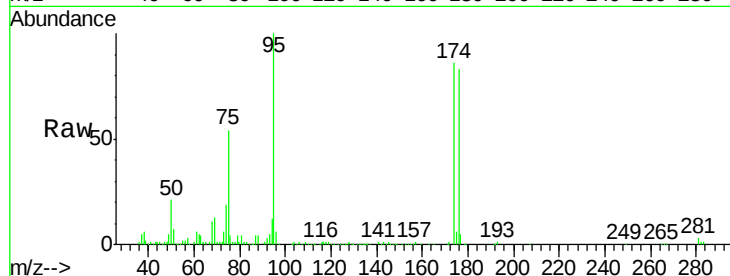




#62
4-Bromofluorobenzene
Concen: 34.37 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003609.D
Acq: 27 Jun 2018 13:22

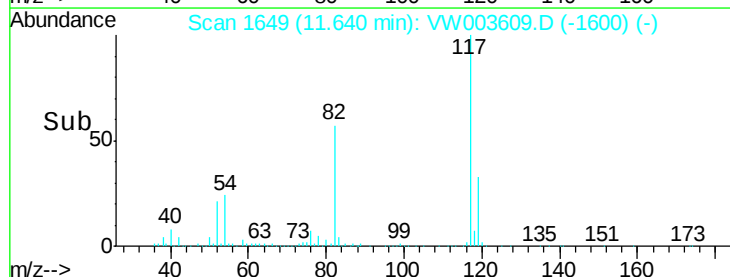
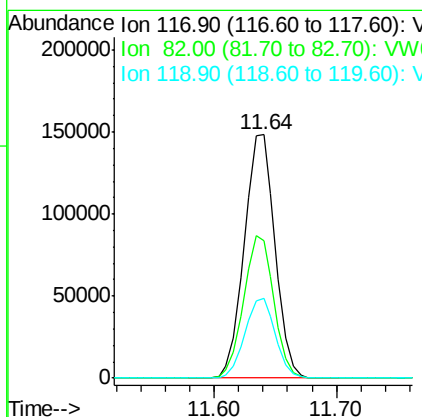
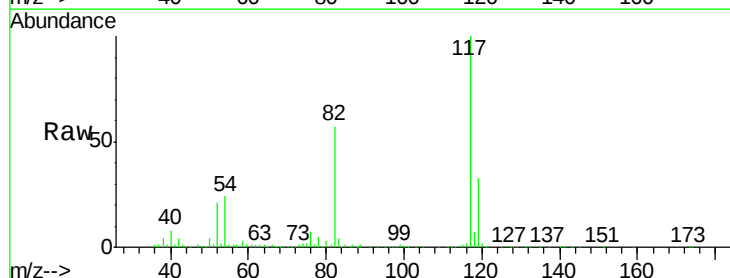
Instrument :
MSVOA_W
ClientSampleId :

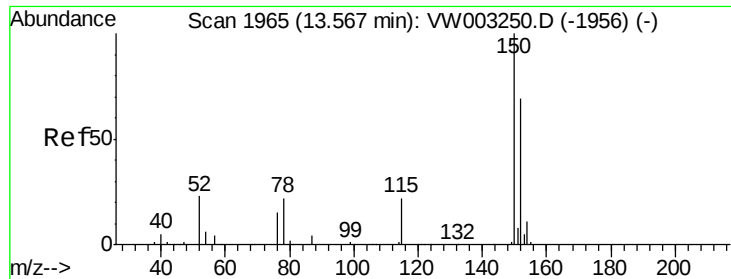
Tot Ion: 95 Resp: 83932
Ion Ratio Lower Upper
95 100
174 82.5 0.0 166.4
176 79.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003609.D
Acq: 27 Jun 2018 13:22

Tgt Ion: 117 Resp: 258208
Ion Ratio Lower Upper
117 100
82 56.6 44.6 67.0
119 32.7 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003609.D

Acq: 27 Jun 2018 13:22

Instrument :

MSVOA_W

ClientSampleId :

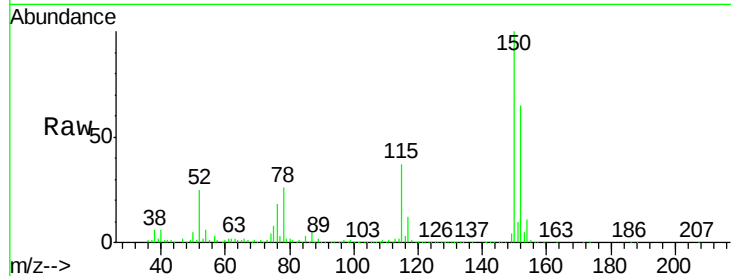
Tot Ion:152 Resp: 115002

Ion Ratio Lower Upper

152 100

115 59.6 29.3 88.0

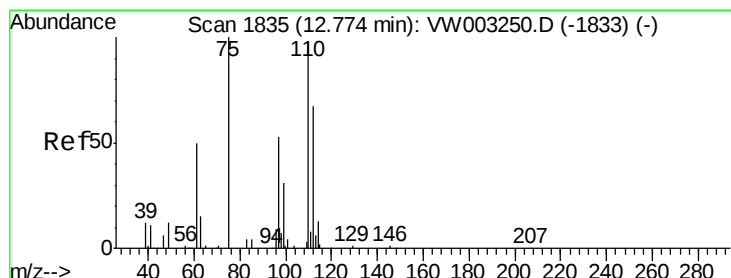
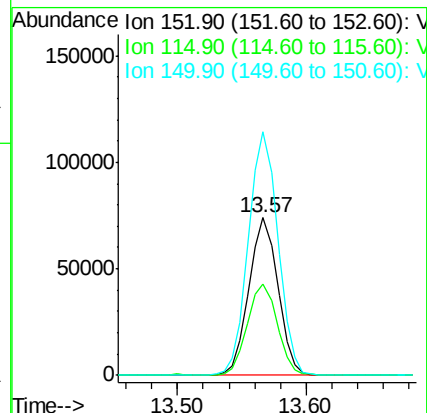
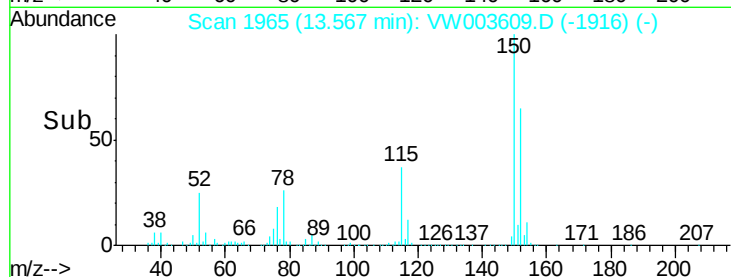
150 157.4 0.0 349.6



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: 46.82 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003609.D

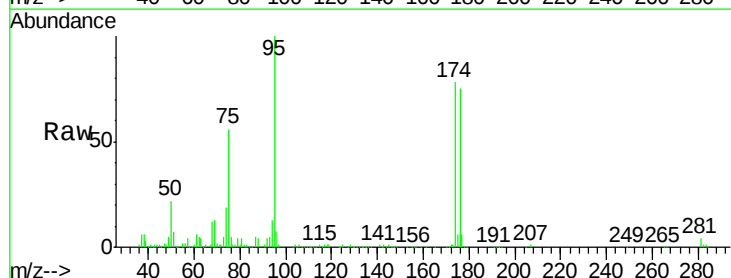
Acq: 27 Jun 2018 13:22

Tgt Ion: 75 Resp: 46029

Ion Ratio Lower Upper

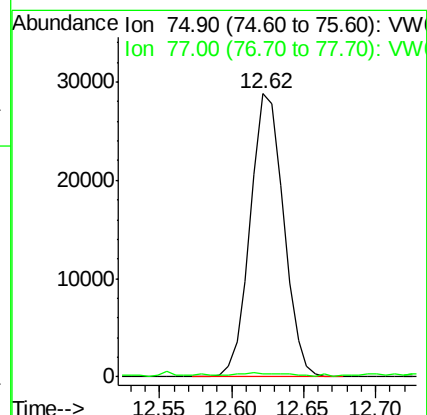
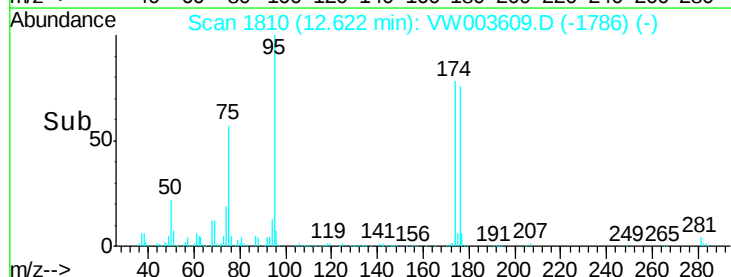
75 100

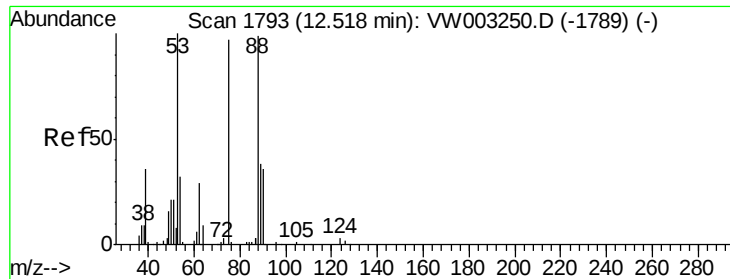
77 1.4 0.0 0.0#



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: 107.73 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003609.D

Acq: 27 Jun 2018 13:22

Instrument :

MSVOA_W

ClientSampleId :

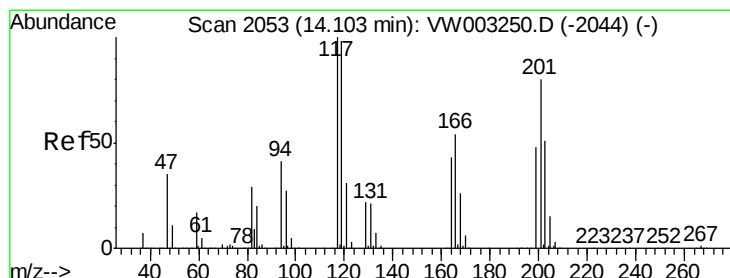
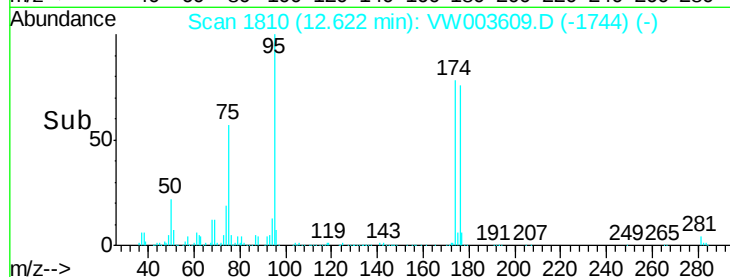
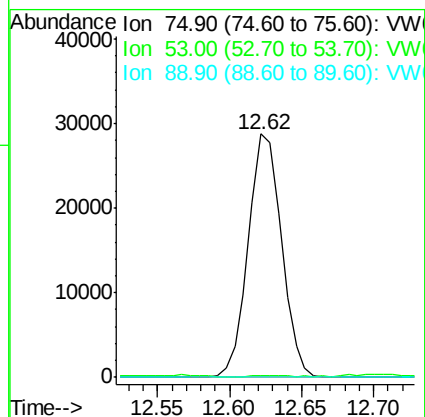
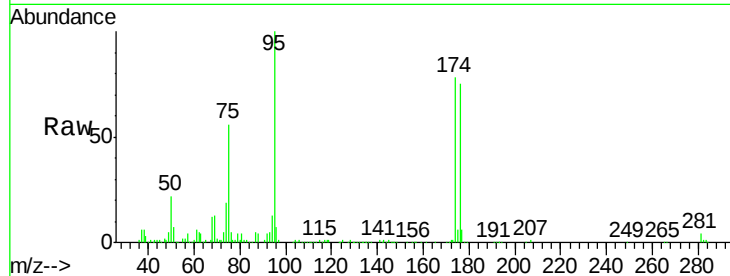
Tot Ion: 75 Resp: 46029

Ion Ratio Lower Upper

75 100

53 0.4 82.9 124.3#

89 0.0 36.7 55.1#



#90

Hexachloroethane

Concen: 1.47 ug/l

RT: 14.12 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VW003609.D

Acq: 27 Jun 2018 13:22

Tgt Ion: 117 Resp: 1998

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#

