

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003625.D
 Acq On : 27 Jun 2018 20:15
 Operator : SY/AP
 Sample : J3709-01
 Misc : 4.30G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 05:34:50 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	118882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	195206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	155720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	52547	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	61346	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
35) Dibromofluoromethane	7.89	113	53523	44.13	ug/l	0.00
Spiked Amount			Recovery	=	88.26%	
50) Toluene-d8	10.33	98	148445	30.86	ug/l	0.00
Spiked Amount			Recovery	=	61.72%	
62) 4-Bromofluorobenzene	12.62	95	41603	24.44	ug/l	0.00
Spiked Amount			Recovery	=	48.88%	

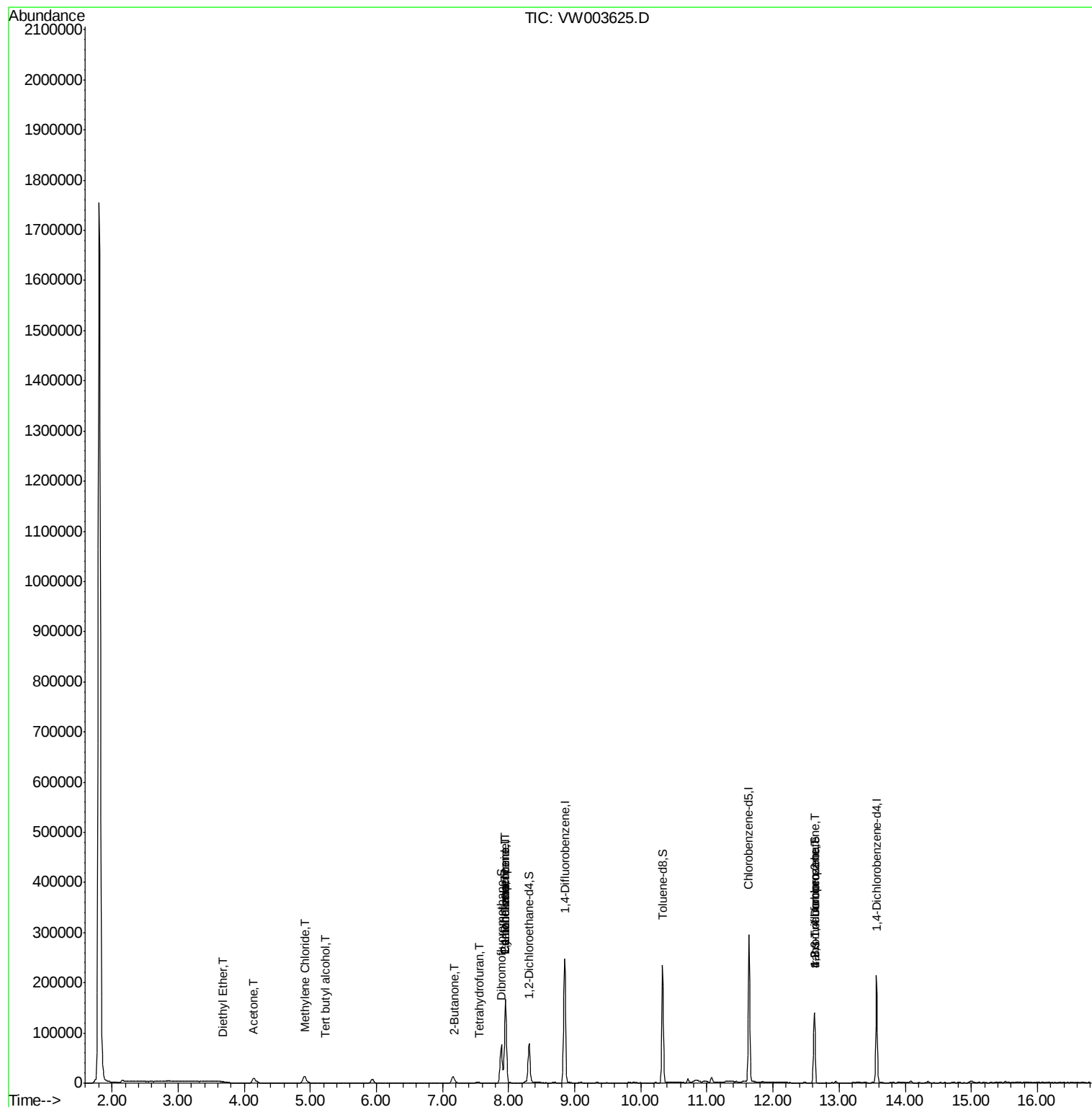
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	812	1.394	ug/l	88
11) Tert butyl alcohol	5.22	59	125	1.810	ug/l #	84
16) Acetone	4.14	43	18860	69.835	ug/l	100
20) Methylene Chloride	4.92	84	10629	6.038	ug/l	97
25) 2-Butanone	7.19	43	2406	7.165	ug/l #	84
29) Tetrahydrofuran	7.56	42	436	2.124	ug/l #	88
31) Cyclohexane	7.95	56	3269	1.571	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	10327	5.478	ug/l #	50
38) Carbon Tetrachloride	7.96	117	12332	6.669	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	22763	50.673	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	22763	116.601	ug/l #	9

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

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QLast Update : Sat Jun 16 05:18:54 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: VW003625.D

Acq: 27 Jun 2018 20:15

Instrument :

MSVOA_W

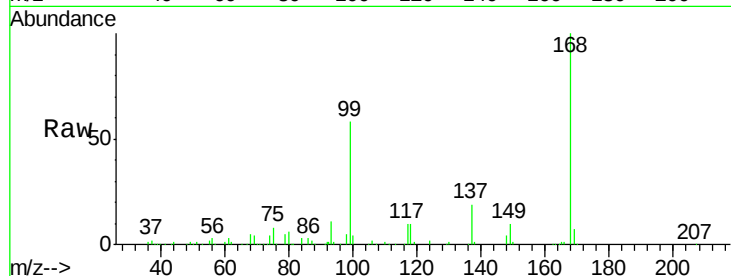
ClientSampled :

Tot Ion:168 Resp: 118882

Ion Ratio Lower Upper

168 100

99 57.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

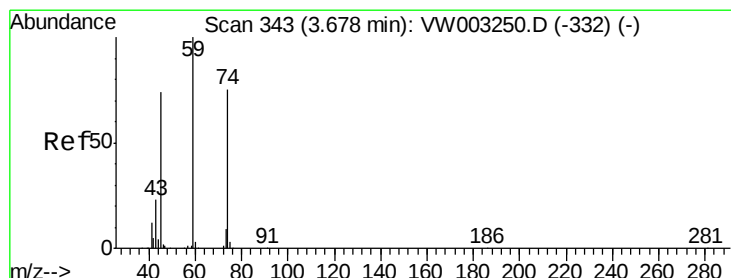
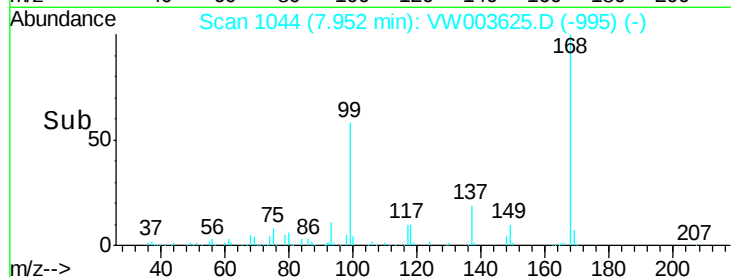
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 1.394 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.00 min

Lab File: VW003625.D

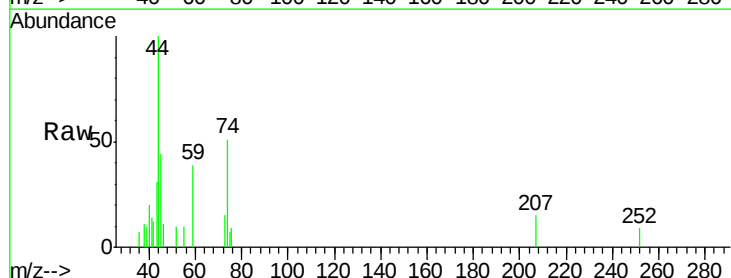
Acq: 27 Jun 2018 20:15

Tgt Ion: 74 Resp: 812

Ion Ratio Lower Upper

74 100

45 114.9 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

500

400

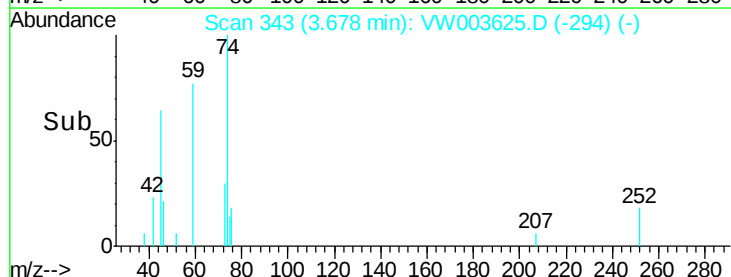
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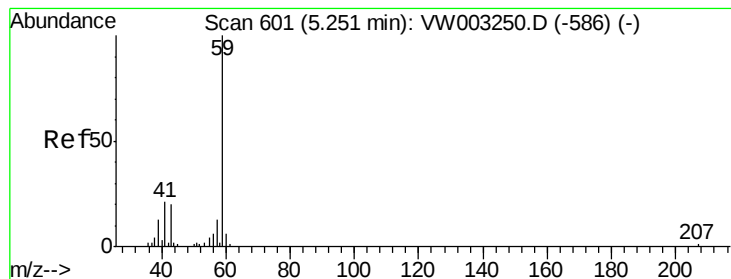
200

100

0

Time-->



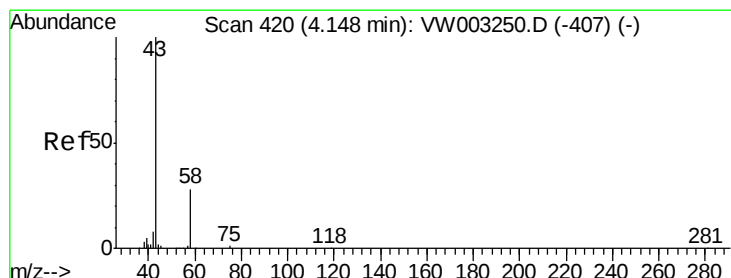
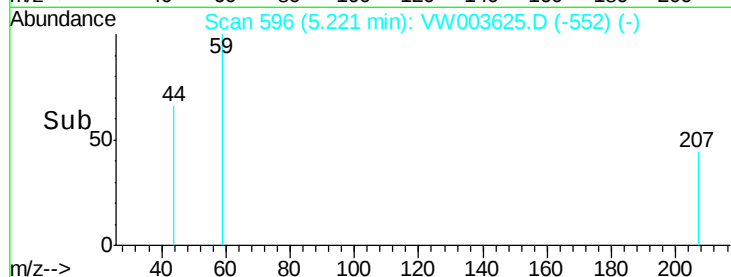
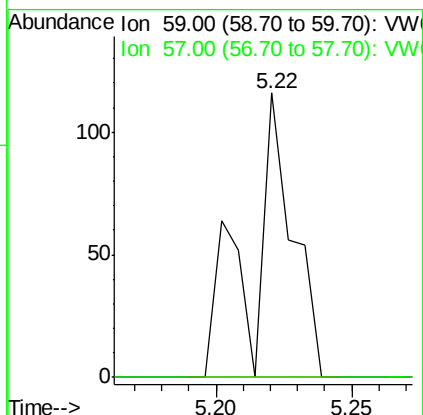
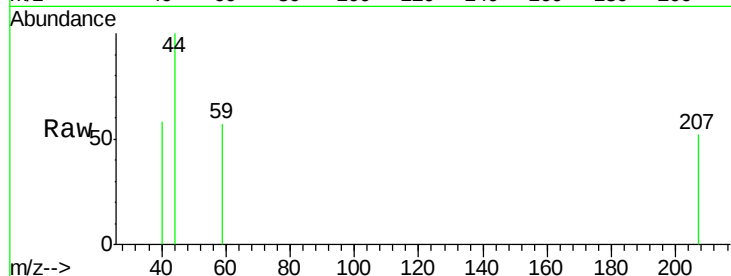


#11

Tert butyl alcohol
 Concen: 1.810 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. -0.03 min
 Lab File: VW003625.D
 Acq: 27 Jun 2018 20:15

Instrument :
 MSVOA_W
 ClientSampled :

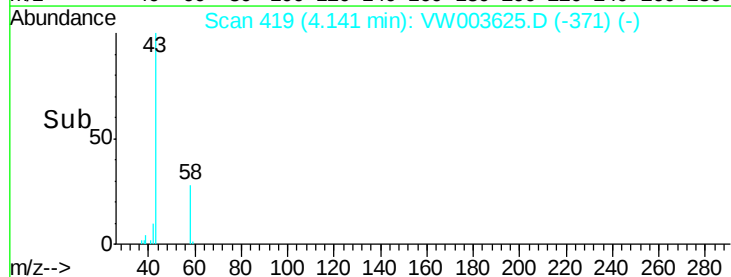
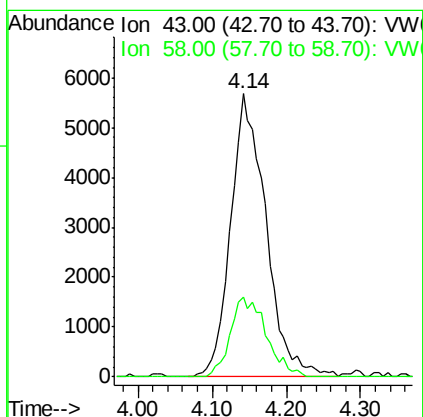
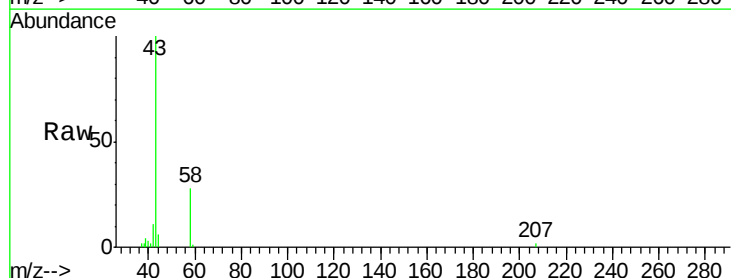
Tot Ion: 59 Resp: 125
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.2 6.2#

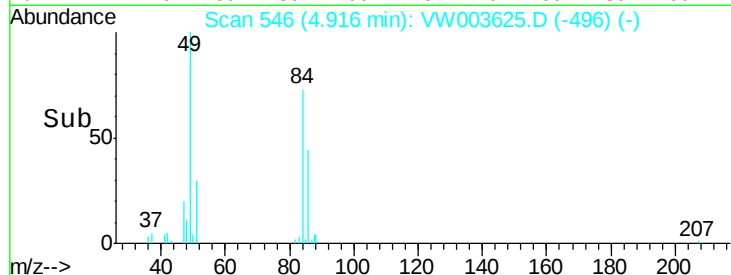
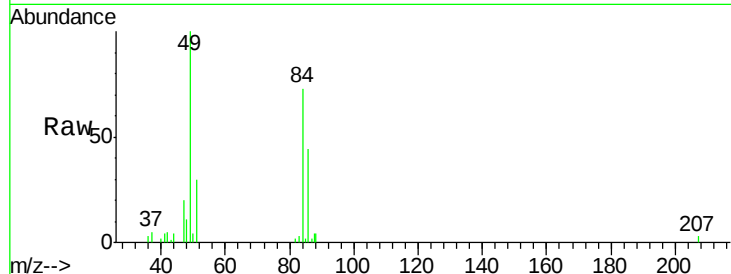
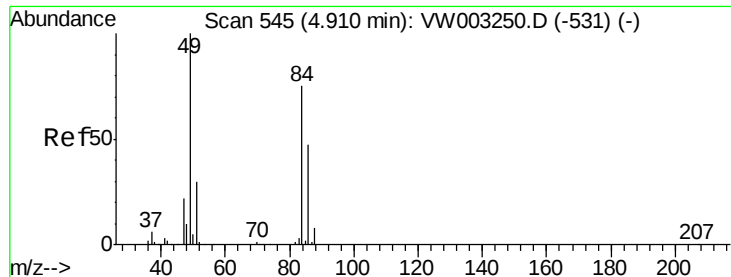


#16

Acetone
 Concen: 69.835 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: VW003625.D
 Acq: 27 Jun 2018 20:15

Tgt Ion: 43 Resp: 18860
 Ion Ratio Lower Upper
 43 100
 58 28.4 22.6 34.0

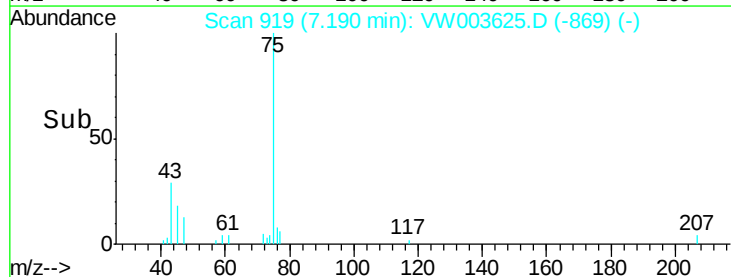
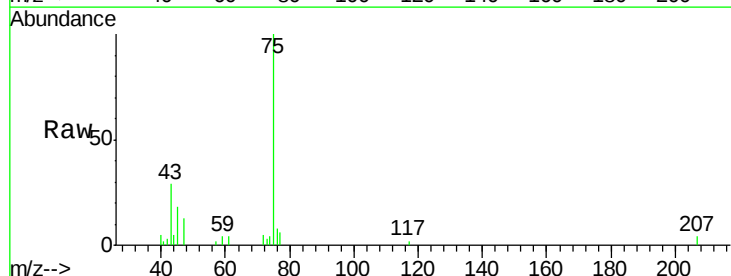
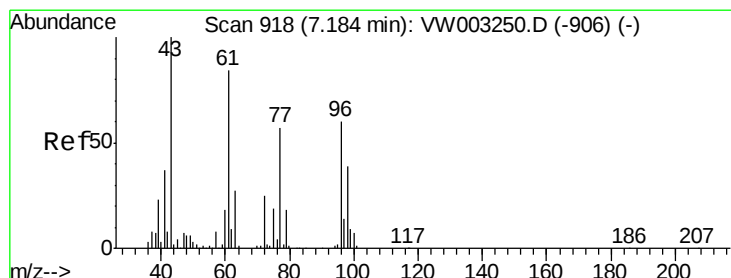
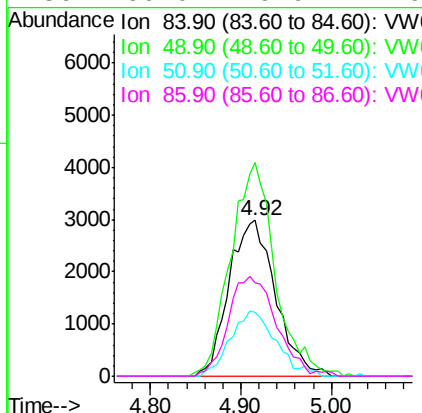




#20
Methylene Chloride
Concen: 6.038 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003625.D
Acq: 27 Jun 2018 20:15

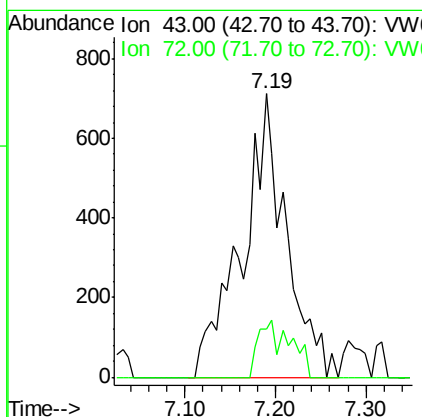
Instrument :
MSVOA_W
ClientSampled :

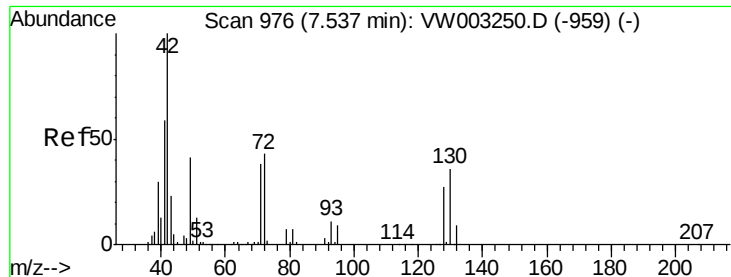
Tot Ion: 84 Resp: 10629
Ion Ratio Lower Upper
84 100
49 136.9 106.3 159.5
51 40.8 32.0 48.0
86 60.0 49.9 74.9



#25
2-Butanone
Concen: 7.165 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW003625.D
Acq: 27 Jun 2018 20:15

Tgt Ion: 43 Resp: 2406
Ion Ratio Lower Upper
43 100
72 17.1 20.3 30.5#

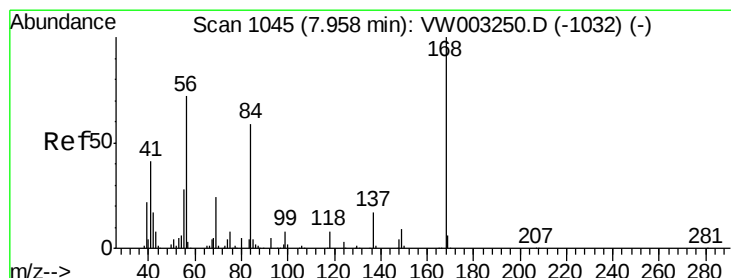
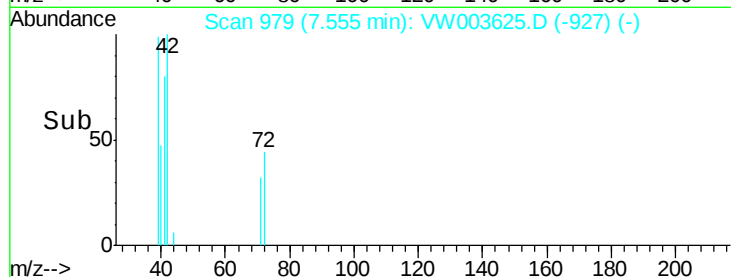
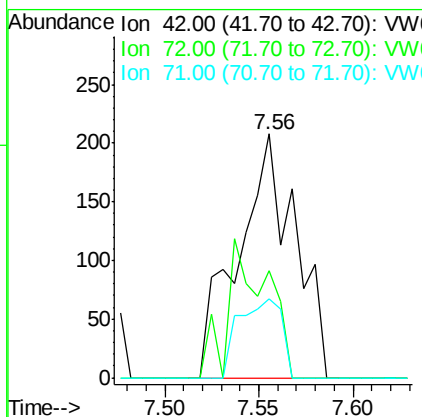
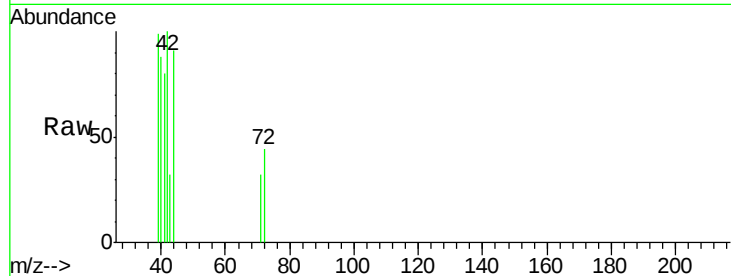




#29
Tetrahydrofuran
Concen: 2.124 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW003625.D
Acq: 27 Jun 2018 20:15

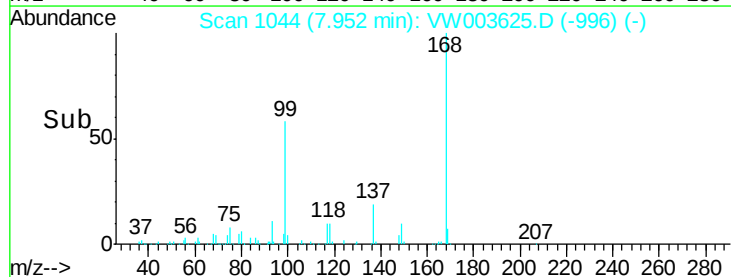
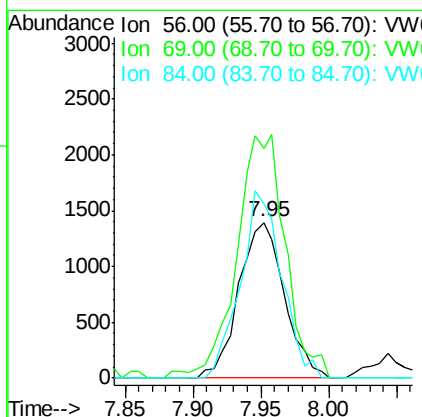
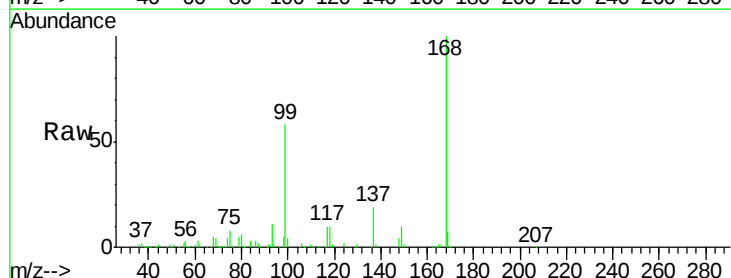
Instrument :
MSVOA_W
ClientSampled :

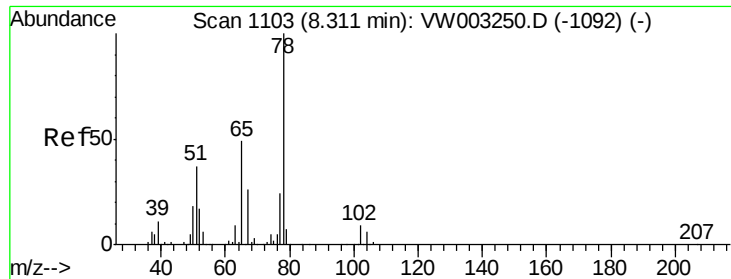
Tot Ion: 42 Resp: 436
Ion Ratio Lower Upper
42 100
72 40.1 32.4 48.6
71 24.3 31.2 46.8#



#31
Cyclohexane
Concen: 1.571 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003625.D
Acq: 27 Jun 2018 20:15

Tgt Ion: 56 Resp: 3269
Ion Ratio Lower Upper
56 100
69 147.5 26.3 39.5#
84 111.8 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 47.641 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

Instrument :

MSVOA_W

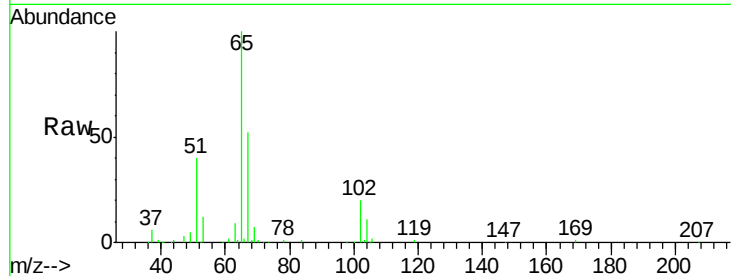
ClientSampleId :

Tot Ion: 65 Resp: 61346

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.2

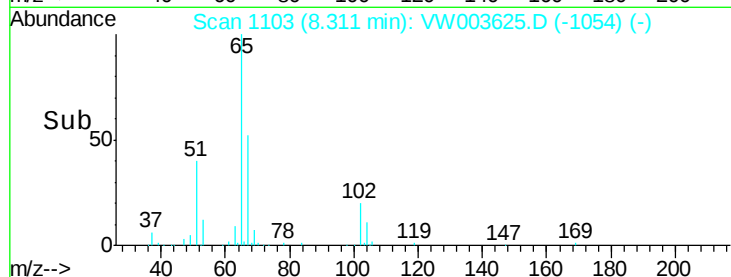


Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

Time-->



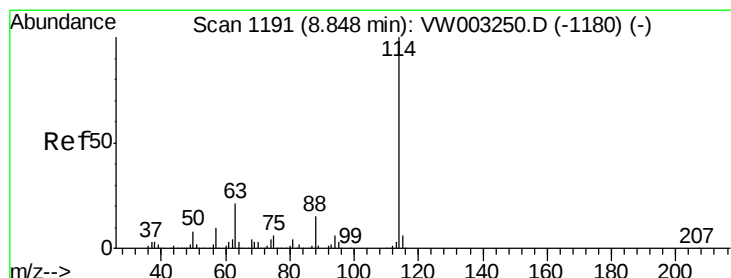
Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

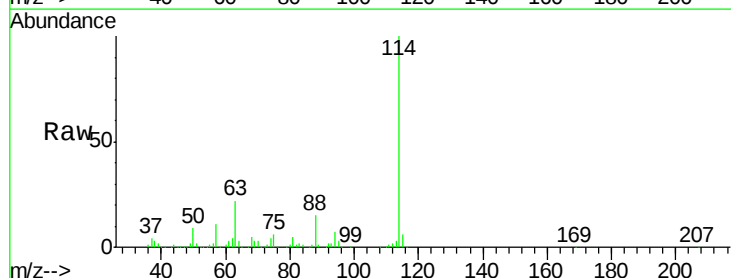
Tgt Ion: 114 Resp: 195206

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

88 15.5 0.0 29.6



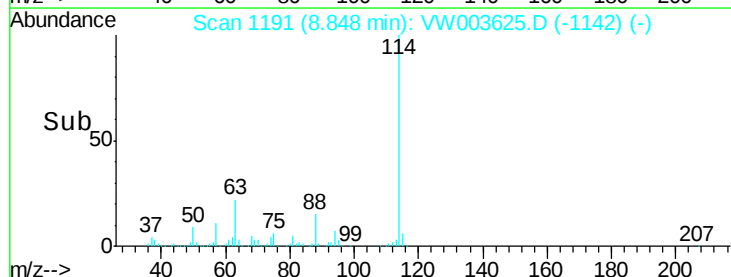
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

Time-->



Abundance

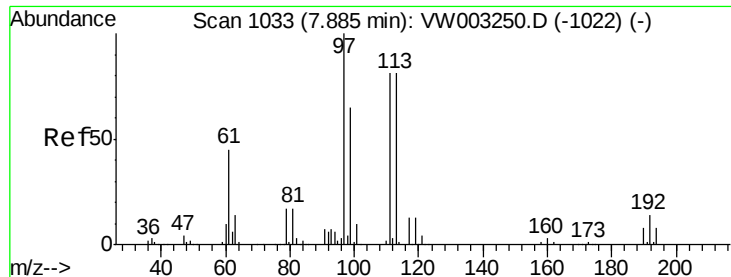
Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

Time-->



#35

Dibromofluoromethane

Concen: 44.126 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

Instrument :
MSVOA_W
ClientSampleId :

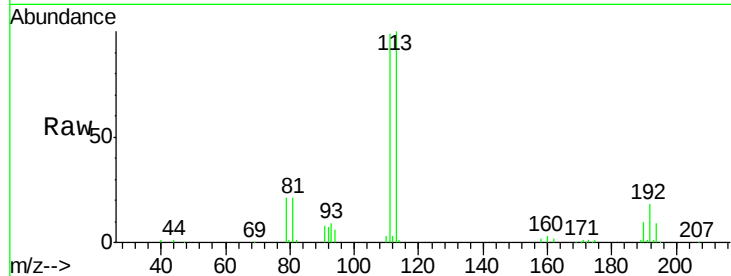
Tot Ion:113 Resp: 53523

Ion Ratio Lower Upper

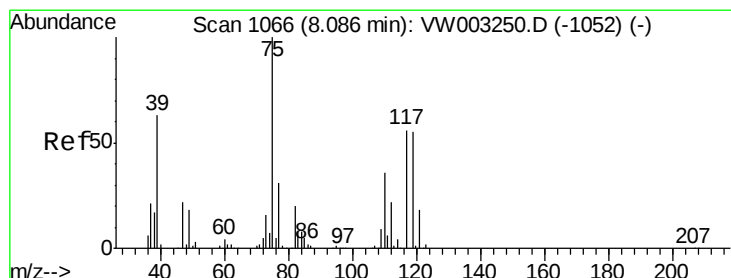
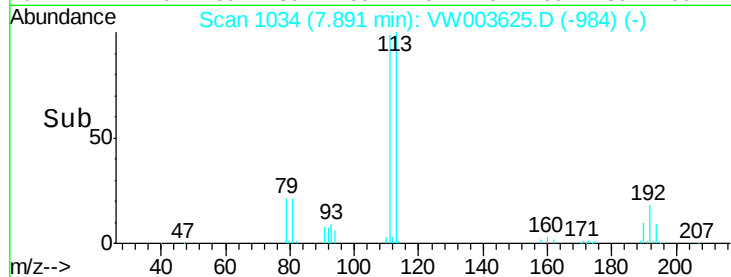
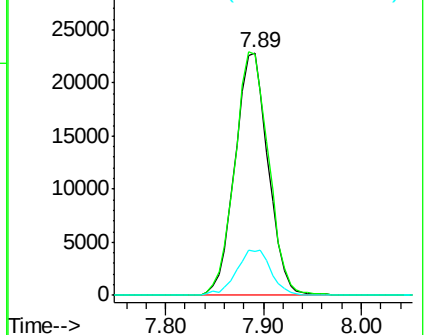
113 100

111 102.8 82.2 123.2

192 19.8 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: 5.478 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

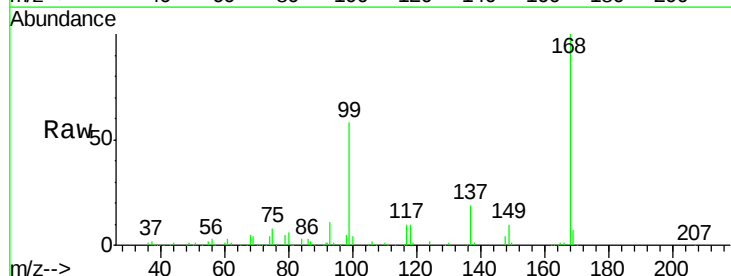
Tgt Ion: 75 Resp: 10327

Ion Ratio Lower Upper

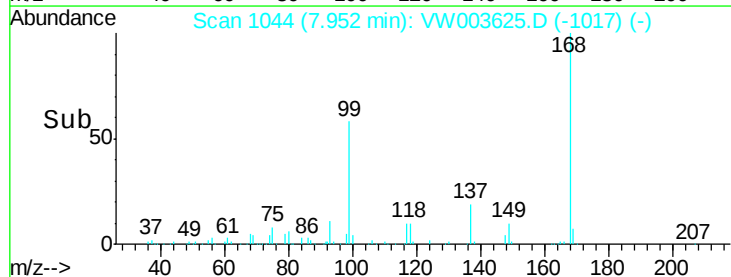
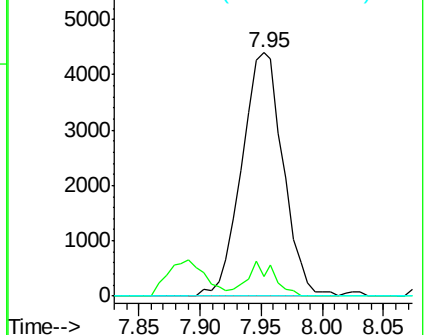
75 100

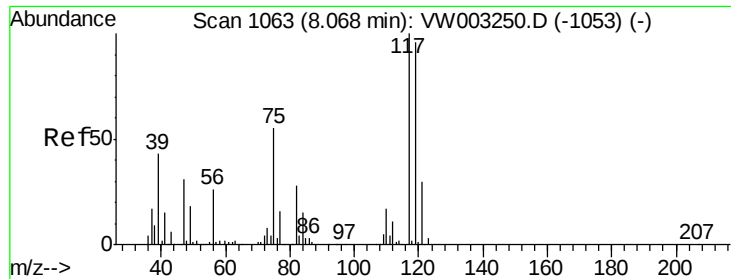
110 9.4 17.1 51.3#

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: 6.669 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.11 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

Instrument :
MSVOA_W
ClientSampleId :

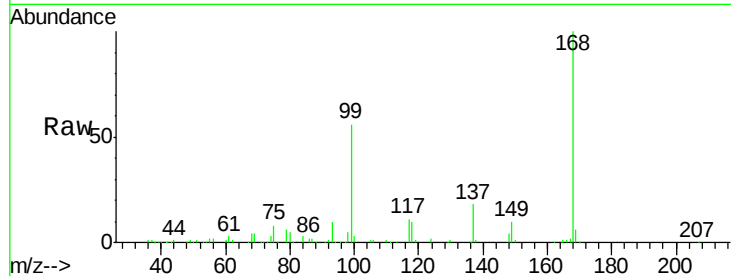
Tot Ion:117 Resp: 12332

Ion Ratio Lower Upper

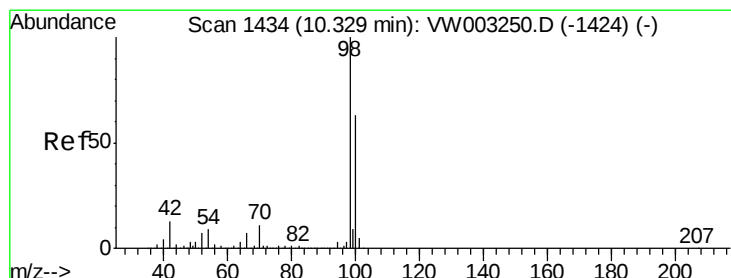
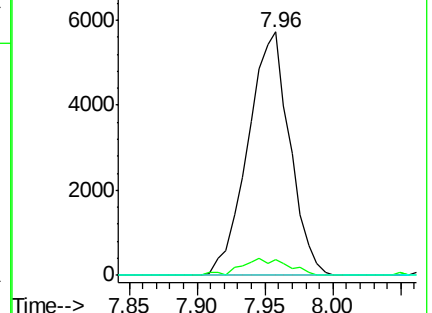
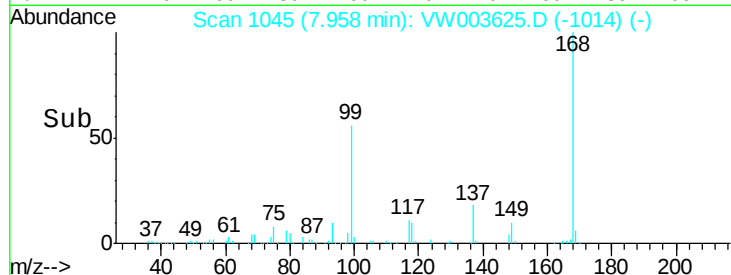
117 100

119 6.6 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: 30.864 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003625.D

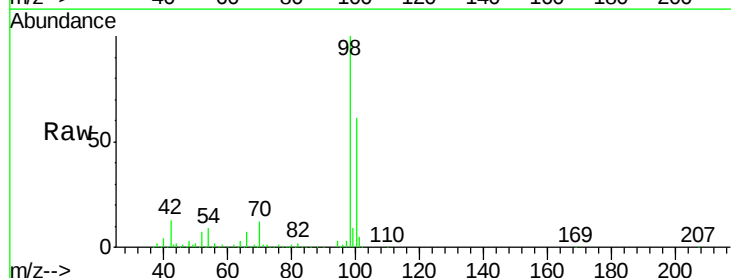
Acq: 27 Jun 2018 20:15

Tgt Ion: 98 Resp: 148445

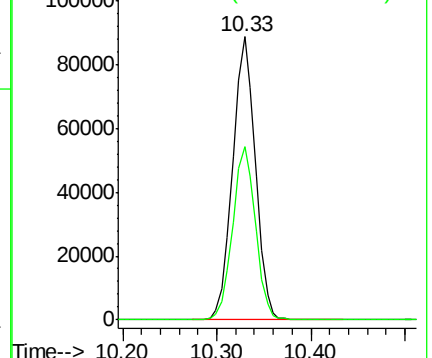
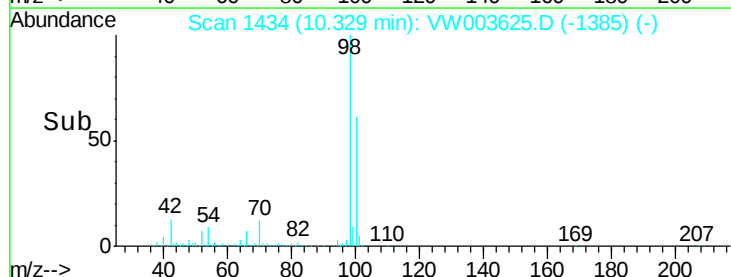
Ion Ratio Lower Upper

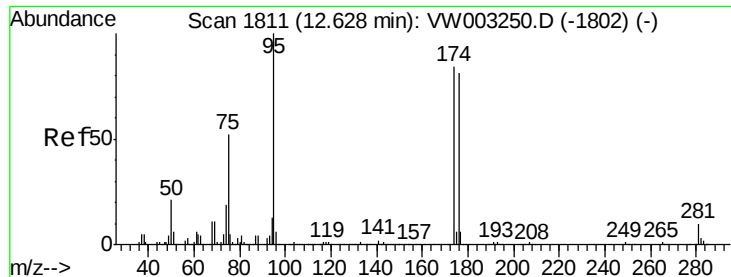
98 100

100 61.2 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: 24.442 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

Instrument :

MSVOA_W

ClientSampleId :

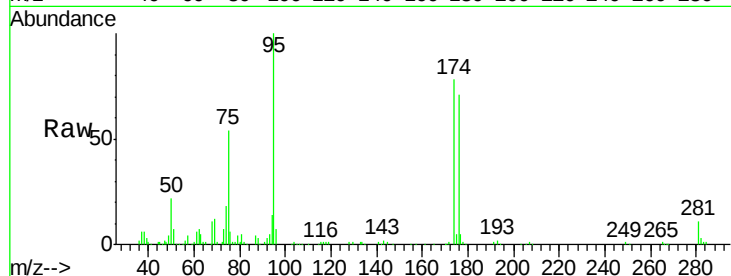
Tot Ion: 95 Resp: 41603

Ion Ratio Lower Upper

95 100

174 85.7 0.0 166.4

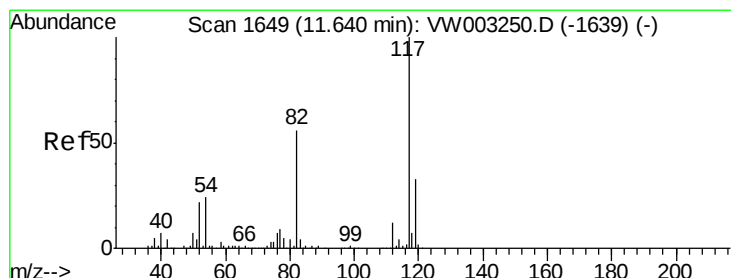
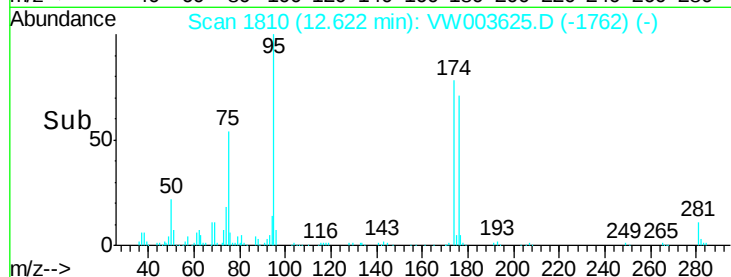
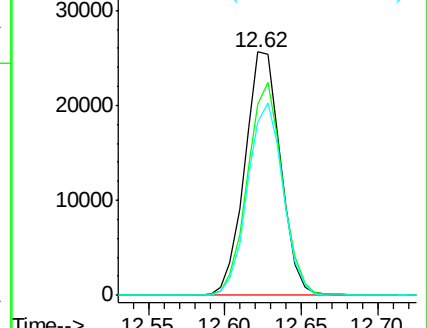
176 78.3 0.0 162.0



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: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

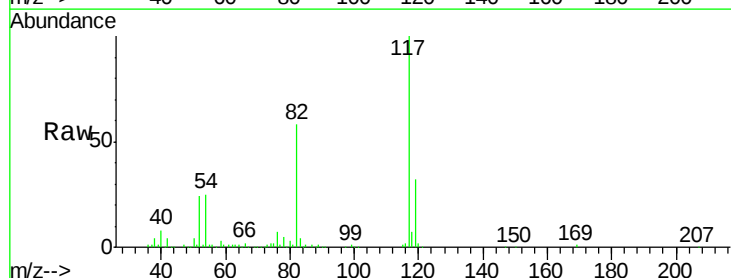
Tgt Ion: 117 Resp: 155720

Ion Ratio Lower Upper

117 100

82 57.6 44.6 67.0

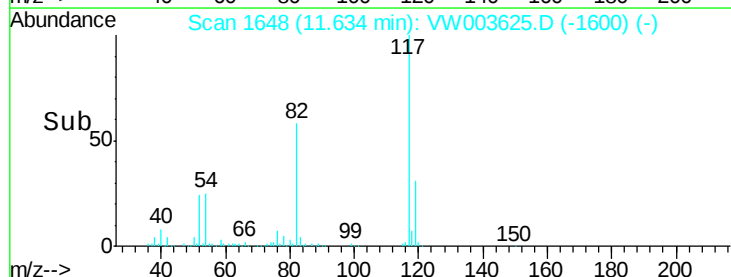
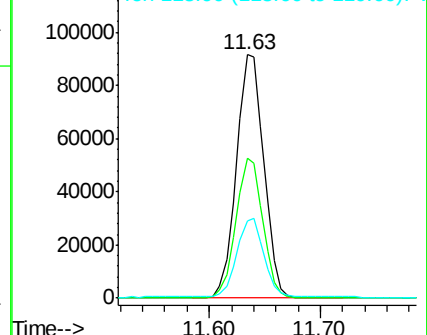
119 31.0 26.7 40.1

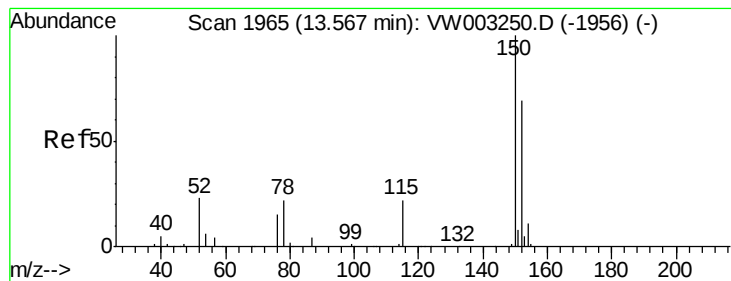


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

Instrument :

MSVOA_W

ClientSampleId :

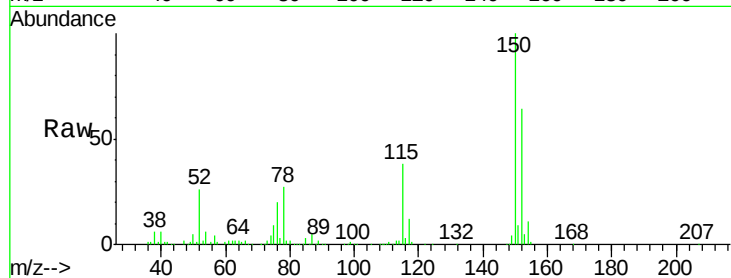
Tot Ion:152 Resp: 52547

Ion Ratio Lower Upper

152 100

115 57.5 29.3 88.0

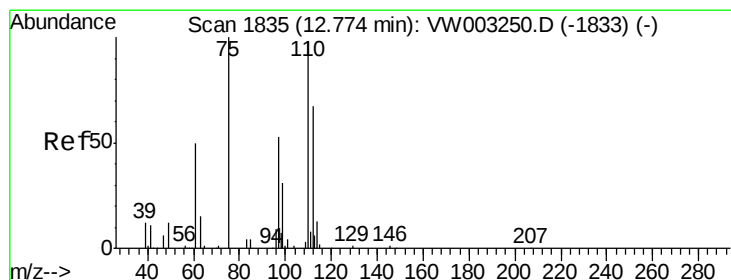
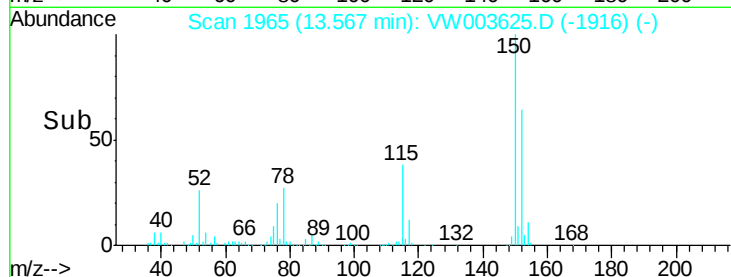
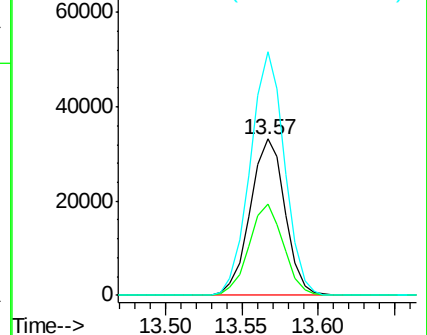
150 153.3 0.0 349.6



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: 50.673 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003625.D

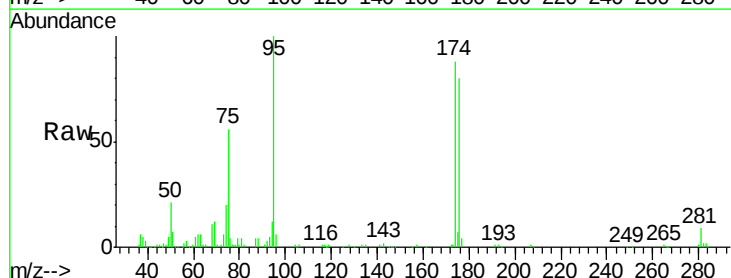
Acq: 27 Jun 2018 20:15

Tgt Ion: 75 Resp: 22763

Ion Ratio Lower Upper

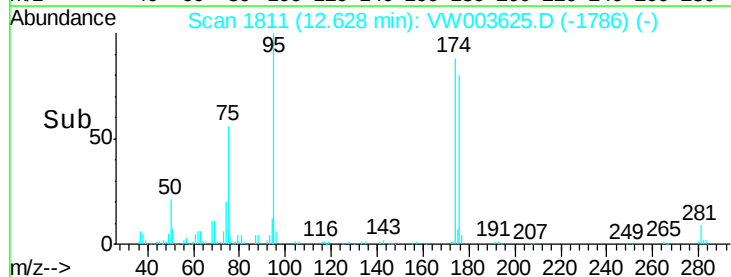
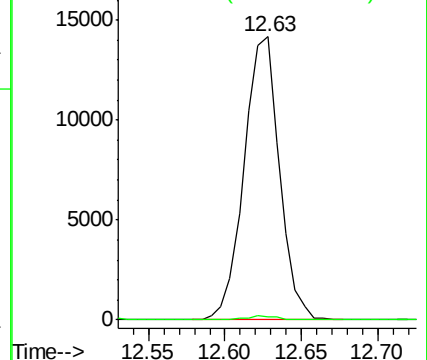
75 100

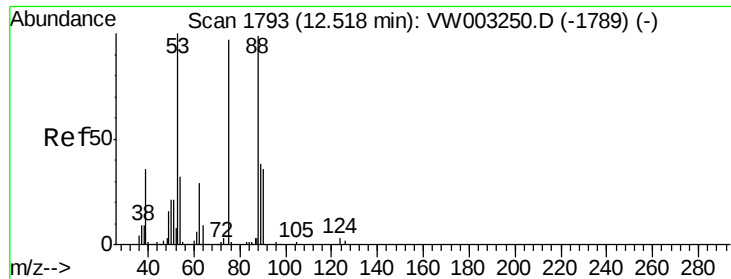
77 1.2 0.0 0.0#



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: 116.601 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003625.D

Acq: 27 Jun 2018 20:15

Instrument :

MSVOA_W

ClientSampleId :

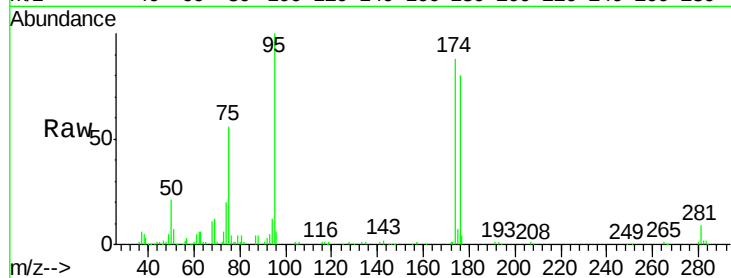
Tot Ion: 75 Resp: 22763

Ion Ratio Lower Upper

75 100

53 0.4 82.9 124.3#

89 0.4 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

