

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006089.D
 Acq On : 16 Oct 2018 19:44
 Operator : VA/AP
 Sample : J5526-17
 Misc : 5.76G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4A-G-101518-2

Quant Time: Oct 17 01:22:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	409550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	192226	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	113664	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	7.89	113	115715	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	10.33	98	424550	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
62) 4-Bromofluorobenzene	12.62	95	152919	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	

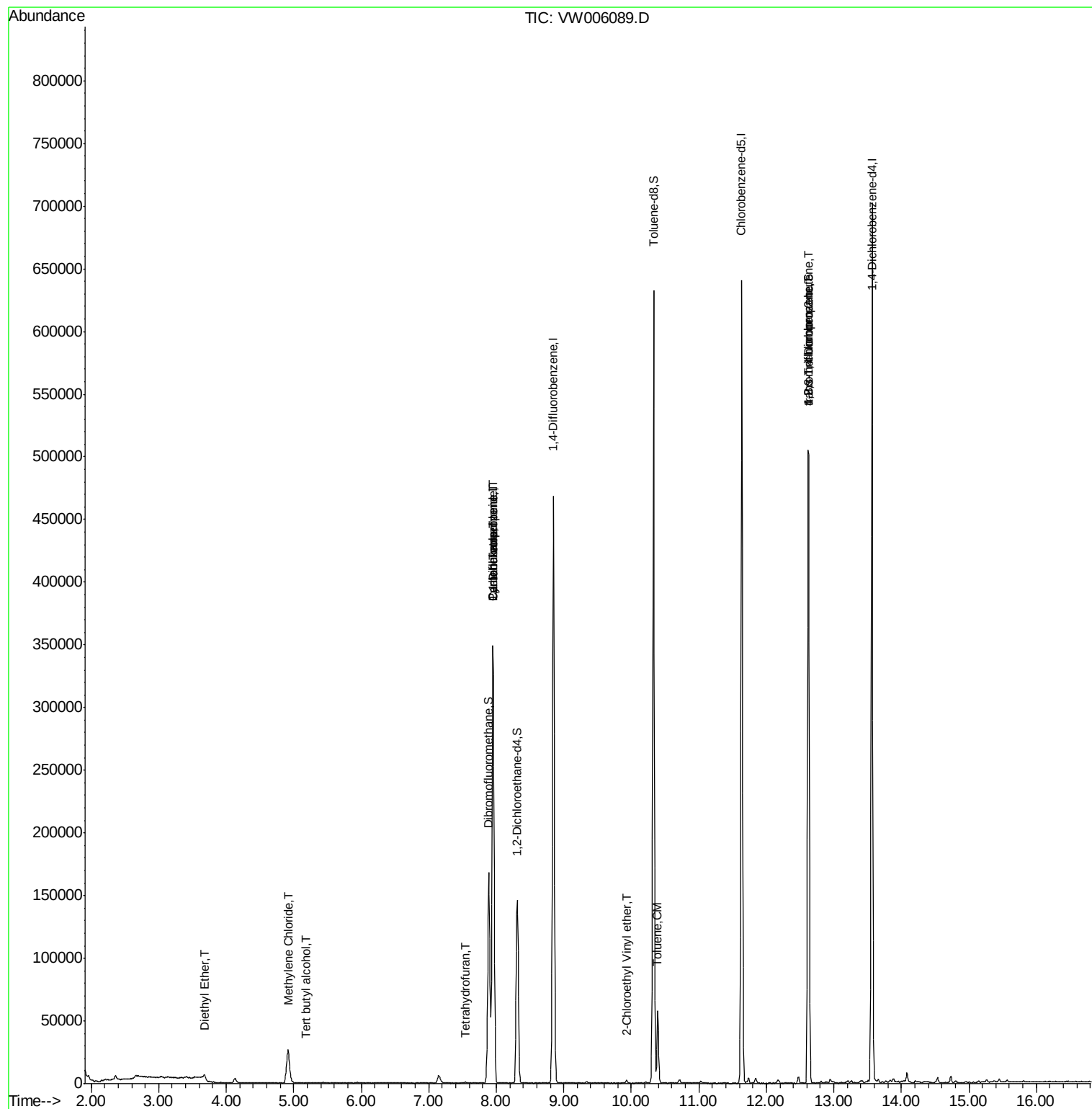
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1427	1.145	ug/l	62
11) Tert butyl alcohol	5.18	59	259	1.679	ug/l #	71
16) Acetone	4.14	43	5984	Below Cal		99
20) Methylene Chloride	4.92	84	21649	7.539	ug/l	97
29) Tetrahydrofuran	7.54	42	565	1.484	ug/l #	71
31) Cyclohexane	7.95	56	5289	1.260	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17893	4.740	ug/l #	49
38) Carbon Tetrachloride	7.95	117	24887	6.014	ug/l #	17
52) Toluene	10.39	92	24144	3.478	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	1110	1.199	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	79451	54.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79451	129.353	ug/l #	10

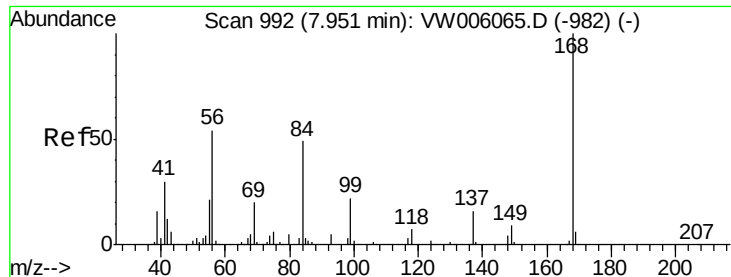
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SUP-4A-G-101518-2

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006089.D

Acq: 16 Oct 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

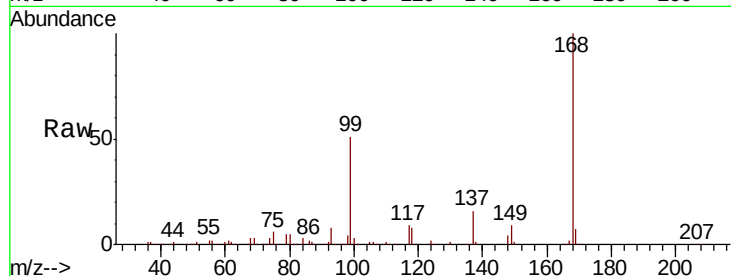
SUP-4A-G-101518-2

Tgt Ion:168 Resp: 276625

Ion Ratio Lower Upper

168 100

99 51.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

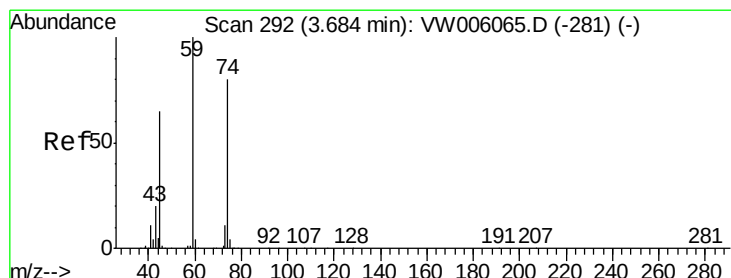
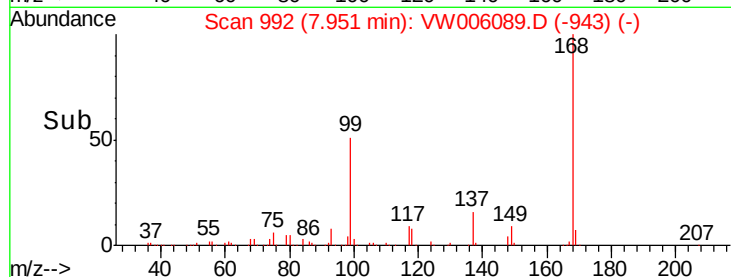
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.145 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW006089.D

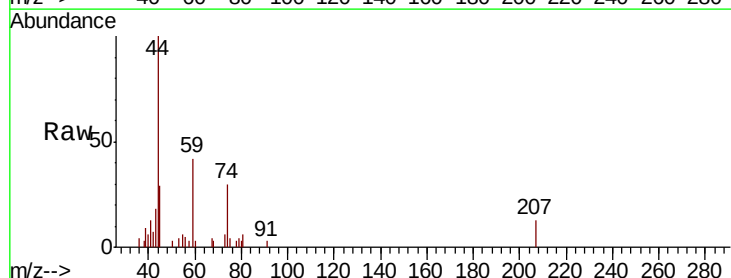
Acq: 16 Oct 2018 19:44

Tgt Ion: 74 Resp: 1427

Ion Ratio Lower Upper

74 100

45 120.4 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

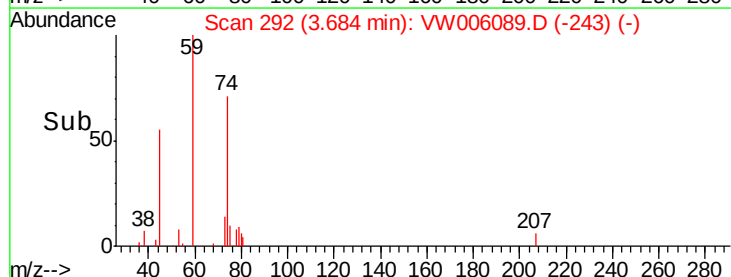
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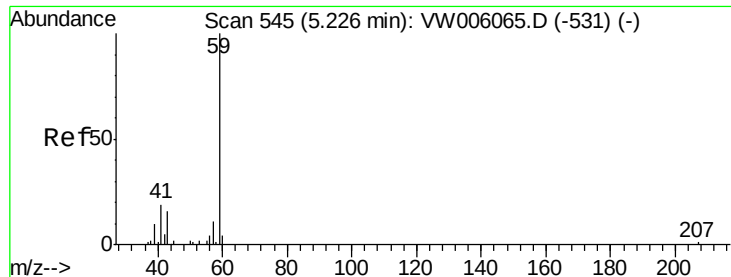
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200

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Time-->



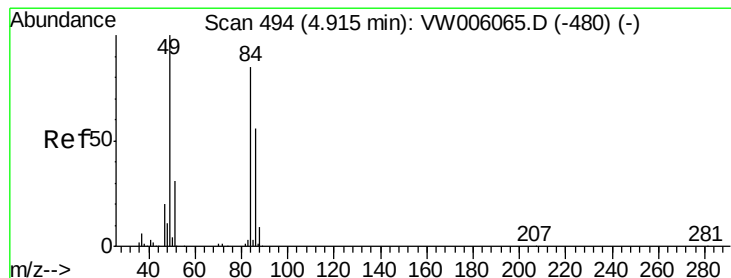
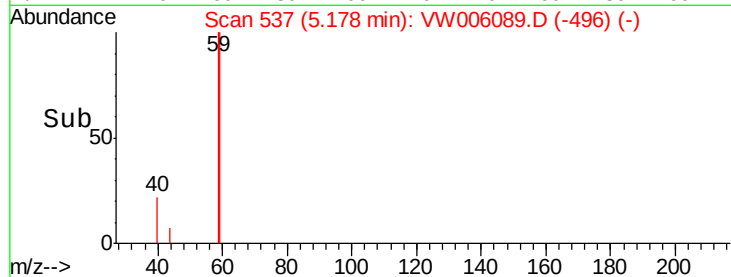
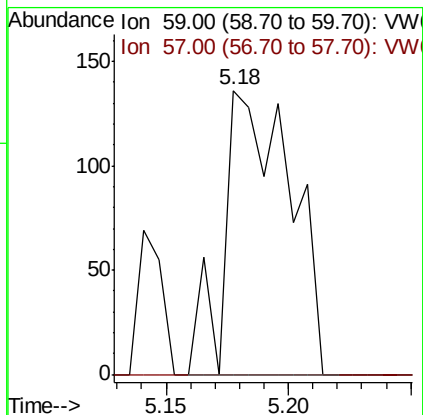
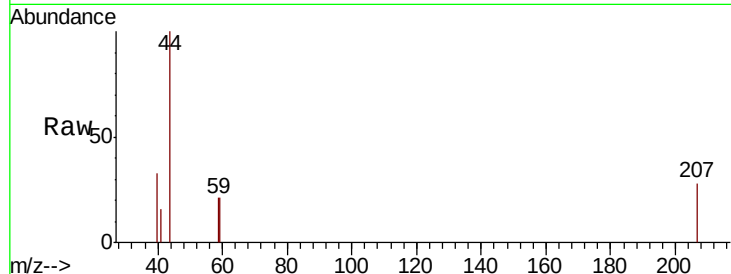


#11

Tert butyl alcohol
 Concen: 1.679 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.05 min
 Lab File: VW006089.D
 Acq: 16 Oct 2018 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4A-G-101518-2

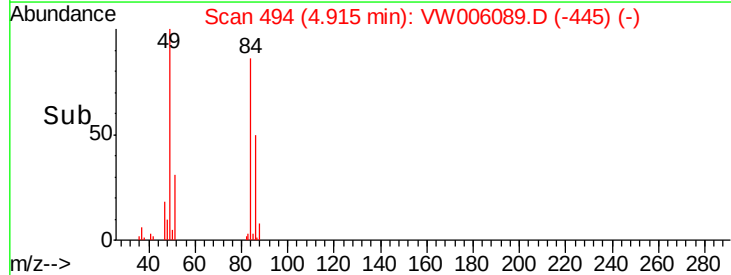
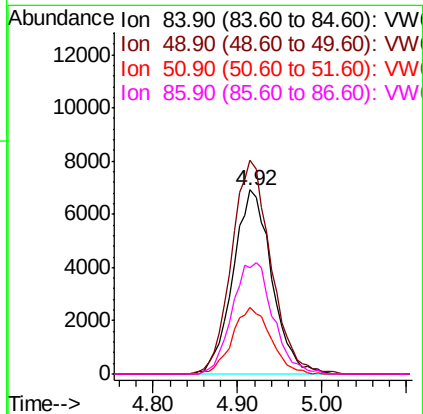
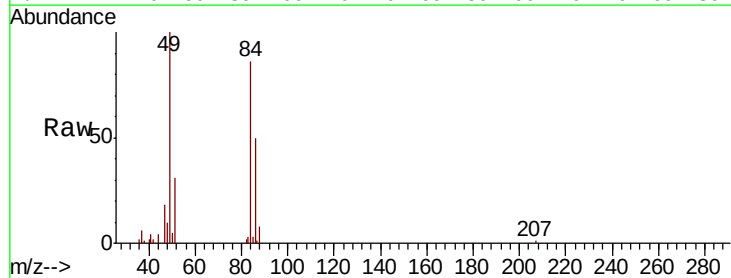
Tgt Ion: 59 Resp: 259
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

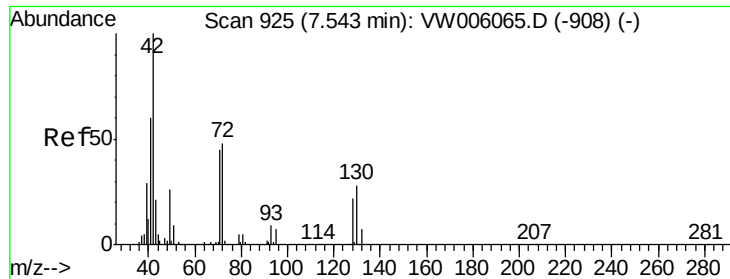


#20

Methylene Chloride
 Concen: 7.539 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW006089.D
 Acq: 16 Oct 2018 19:44

Tgt Ion: 84 Resp: 21649
 Ion Ratio Lower Upper
 84 100
 49 116.3 93.6 140.4
 51 36.1 29.0 43.4
 86 58.0 52.6 79.0

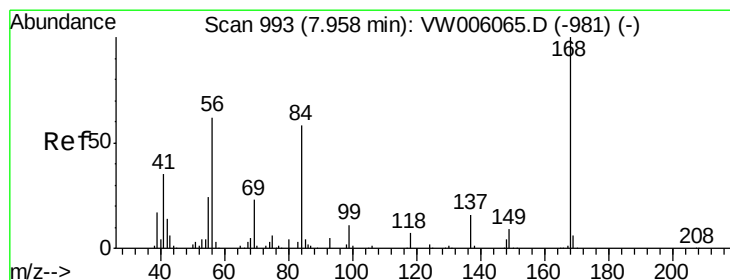
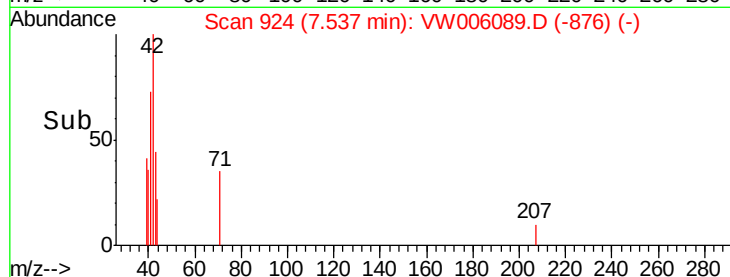
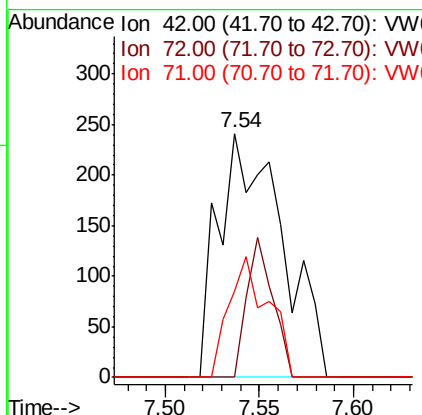
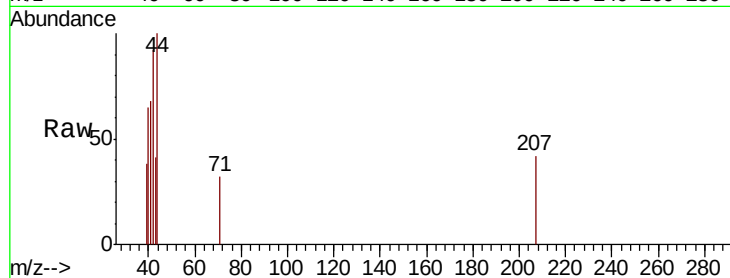




#29
Tetrahydrofuran
Concen: 1.484 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006089.D
Acq: 16 Oct 2018 19:44

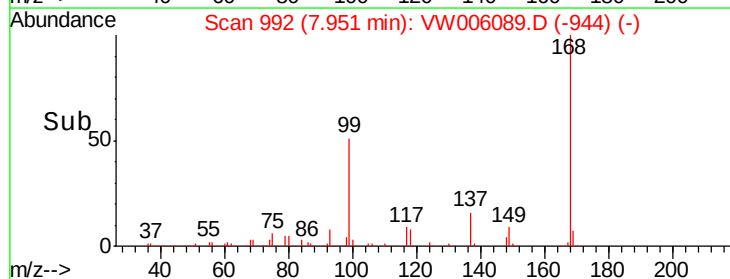
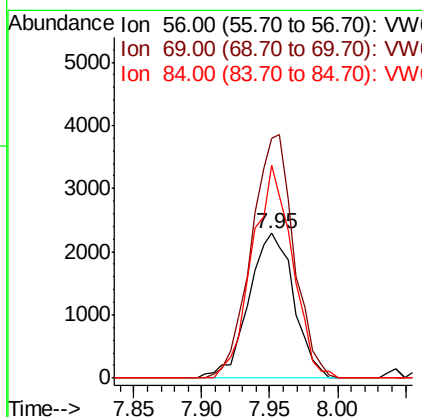
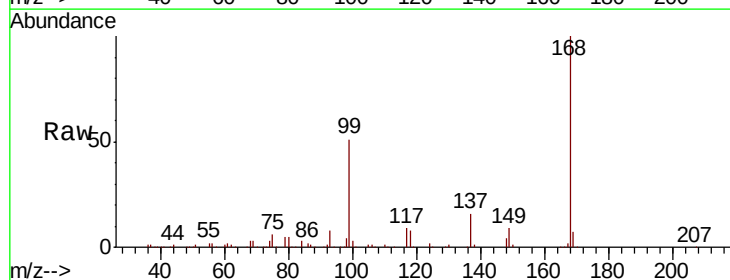
Instrument :
MSVOA_W
ClientSampleId :
SUP-4A-G-101518-2

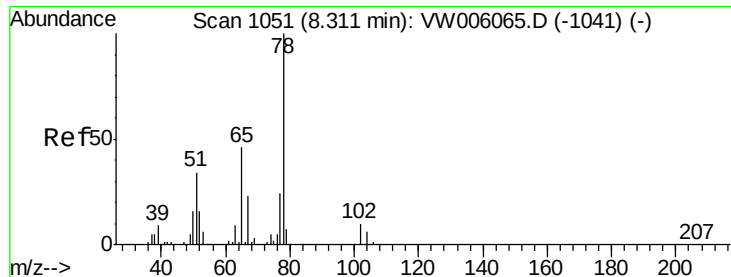
Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 23.4 38.0 57.0#
71 30.4 35.3 52.9#



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006089.D
Acq: 16 Oct 2018 19:44

Tgt Ion: 56 Resp: 5289
Ion Ratio Lower Upper
56 100
69 165.2 29.4 44.0#
84 147.1 74.0 111.0#

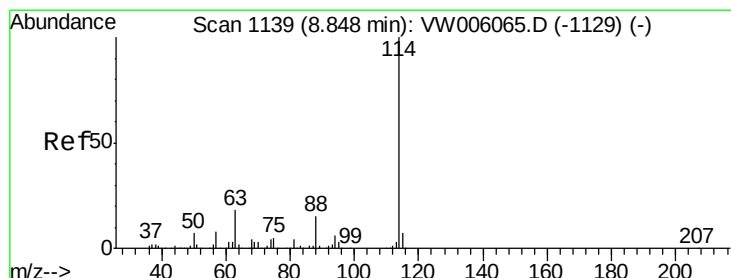
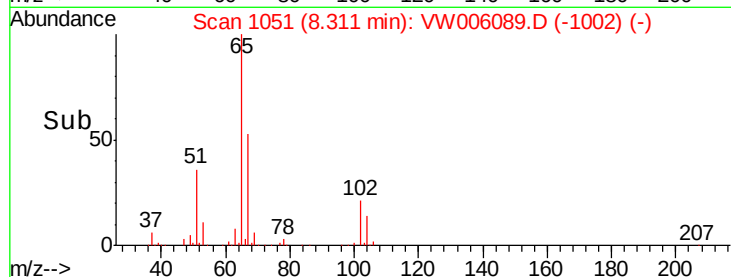
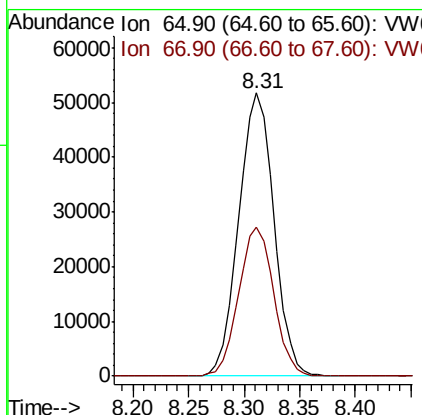
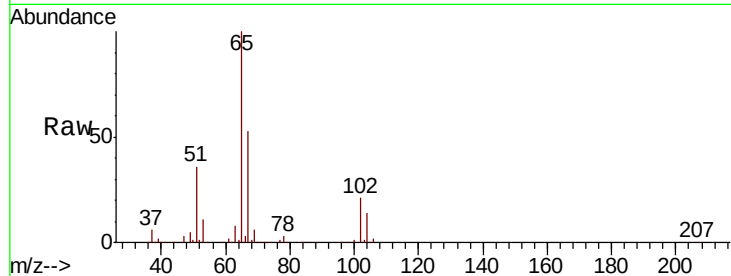




#33
 1,2-Dichloroethane-d4
 Concen: 49.562 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006089.D
 Acq: 16 Oct 2018 19:44

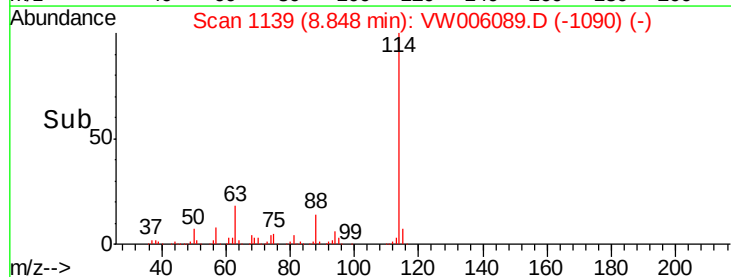
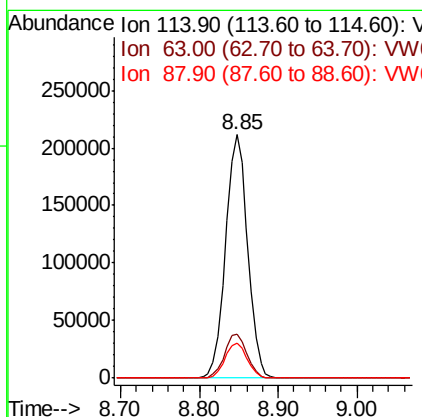
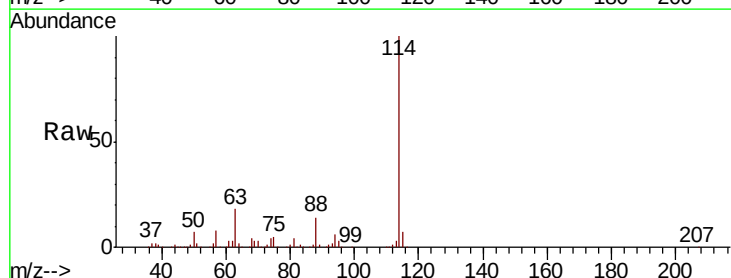
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4A-G-101518-2

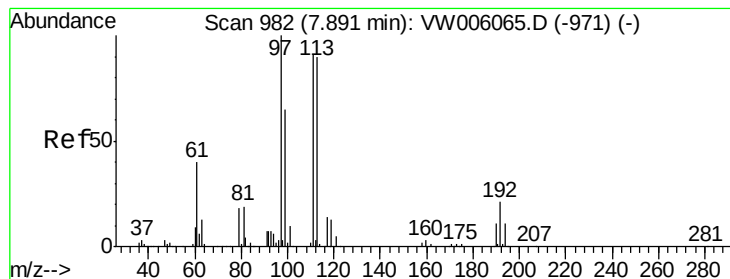
Tgt Ion: 65 Resp: 113664
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006089.D
 Acq: 16 Oct 2018 19:44

Tgt Ion: 114 Resp: 409550
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.8
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.816 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006089.D

Acq: 16 Oct 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-2

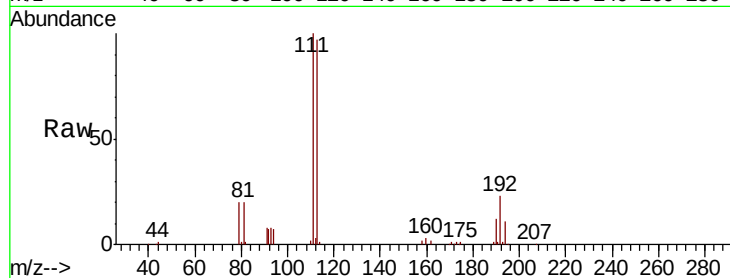
Tgt Ion:113 Resp: 115715

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

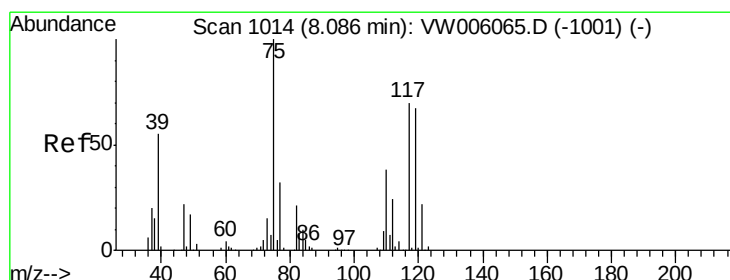
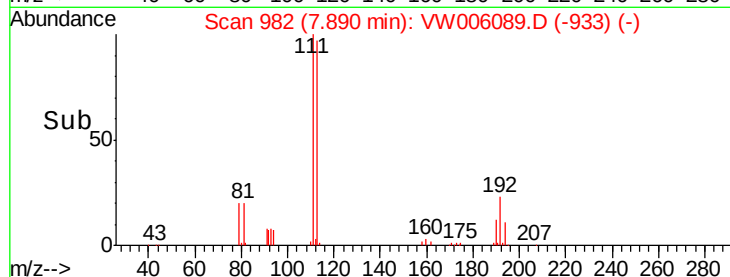
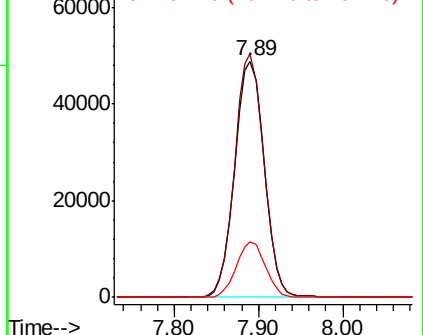
192 23.1 18.7 28.1



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: 4.740 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006089.D

Acq: 16 Oct 2018 19:44

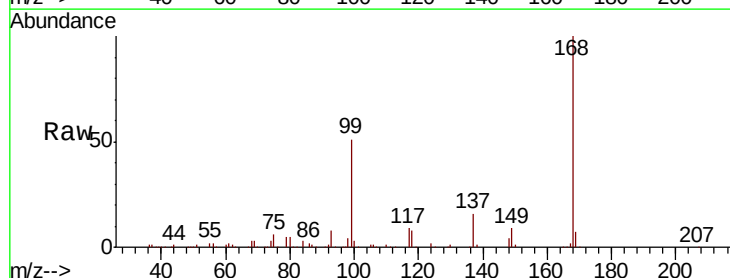
Tgt Ion: 75 Resp: 17893

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

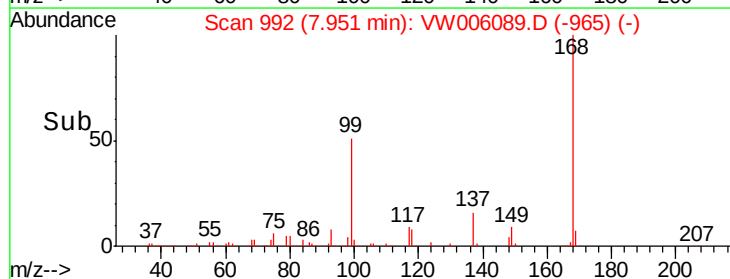
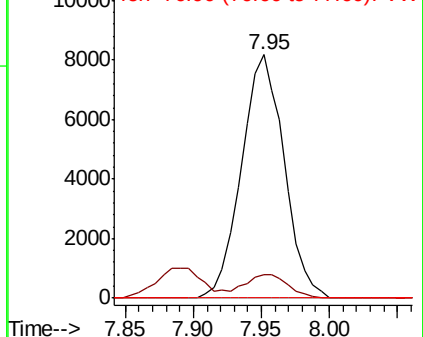
77 0.0 25.0 37.4#

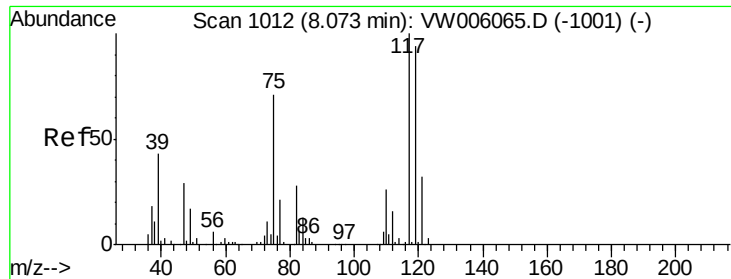


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

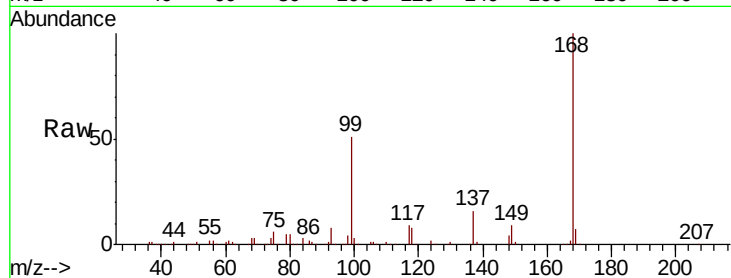




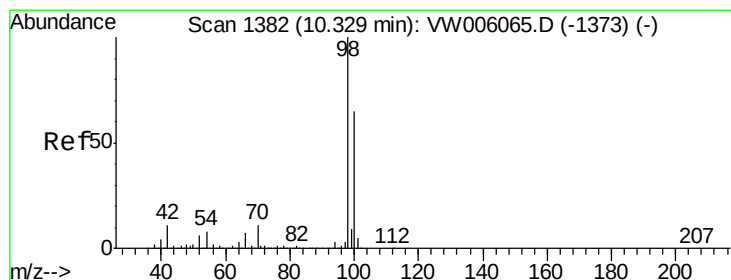
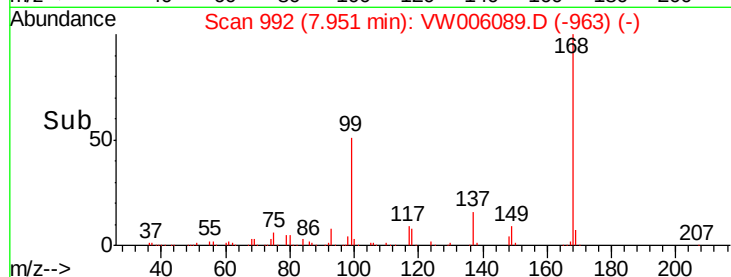
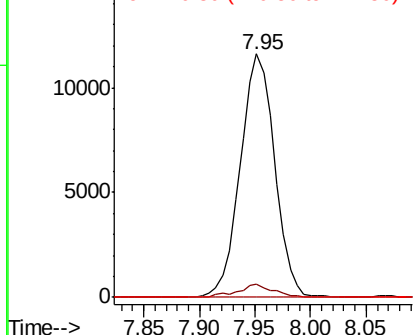
#38
Carbon Tetrachloride
Concen: 6.014 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006089.D
Acq: 16 Oct 2018 19:44

Instrument :
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ClientSampleId :
SUP-4A-G-101518-2

Tgt Ion:117 Resp: 24887
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 25.3 37.9#

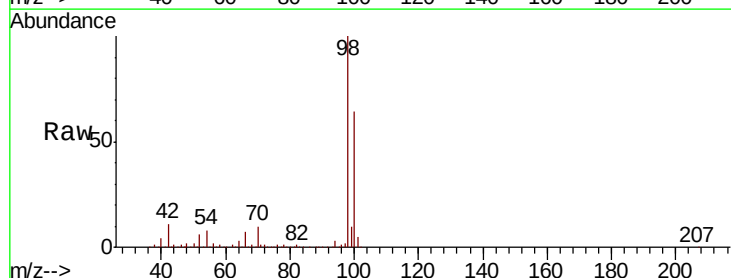


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

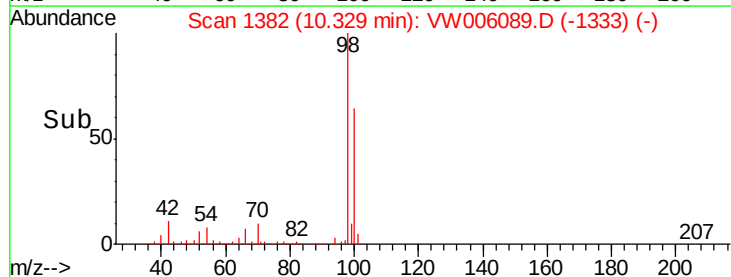
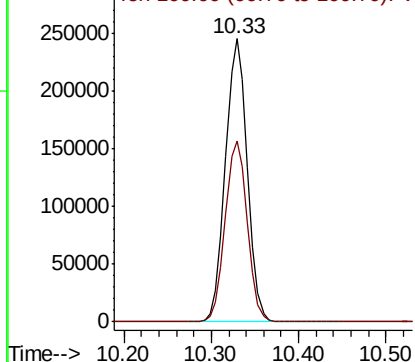


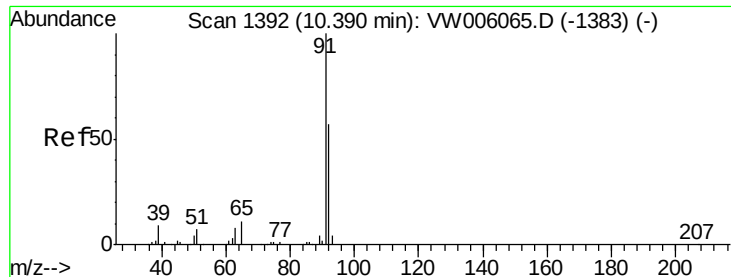
#50
Toluene-d8
Concen: 46.112 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006089.D
Acq: 16 Oct 2018 19:44

Tgt Ion: 98 Resp: 424550
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



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





#52

Toluene

Concen: 3.478 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006089.D

Acq: 16 Oct 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

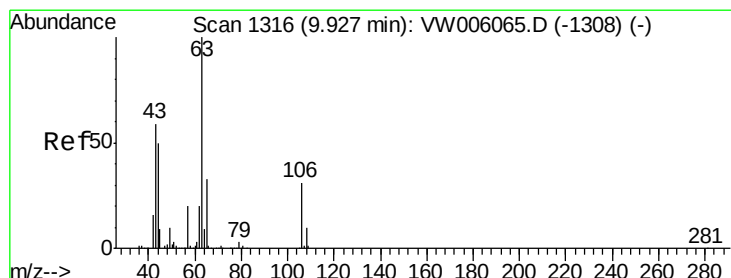
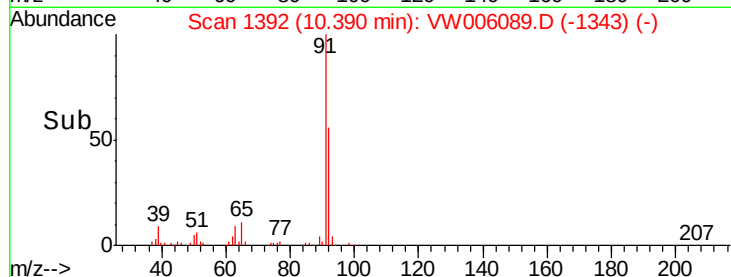
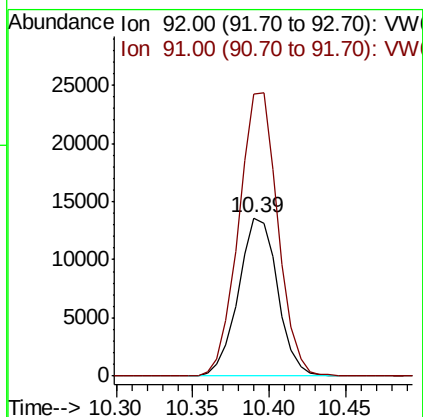
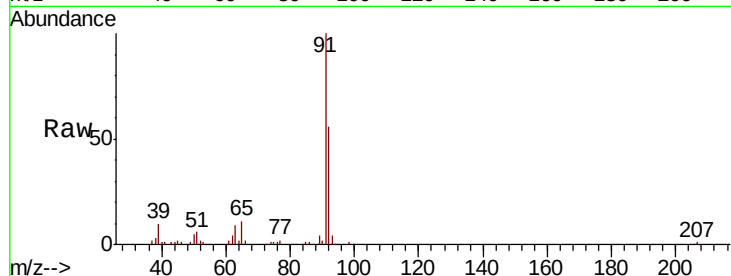
SUP-4A-G-101518-2

Tgt Ion: 92 Resp: 24144

Ion Ratio Lower Upper

92 100

91 179.0 140.0 210.0



#58

2-Chloroethyl Vinyl ether

Concen: 1.199 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VW006089.D

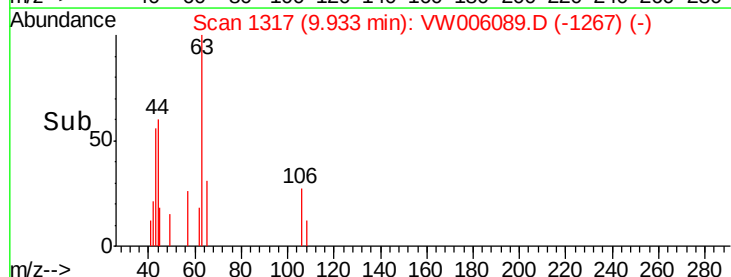
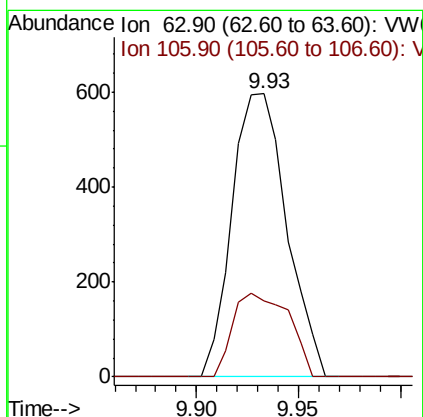
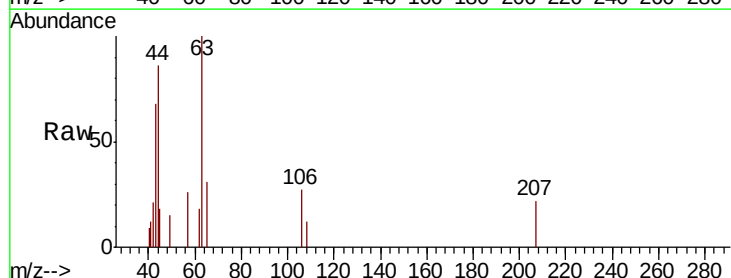
Acq: 16 Oct 2018 19:44

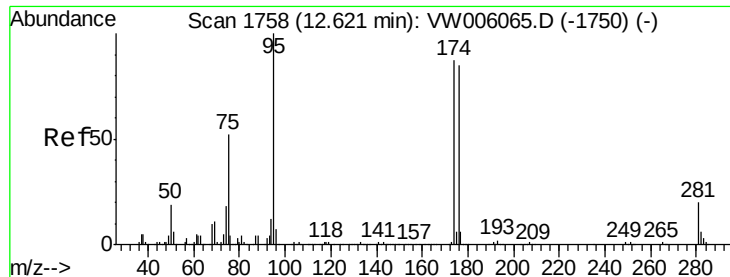
Tgt Ion: 63 Resp: 1110

Ion Ratio Lower Upper

63 100

106 30.2 24.5 36.7





#62

4-Bromofluorobenzene

Concen: 44.222 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006089.D

Acq: 16 Oct 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-2

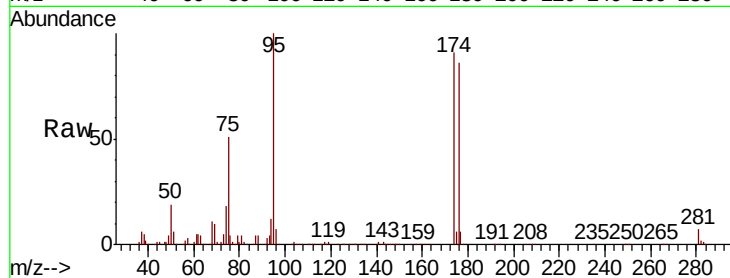
Tgt Ion: 95 Resp: 152919

Ion Ratio Lower Upper

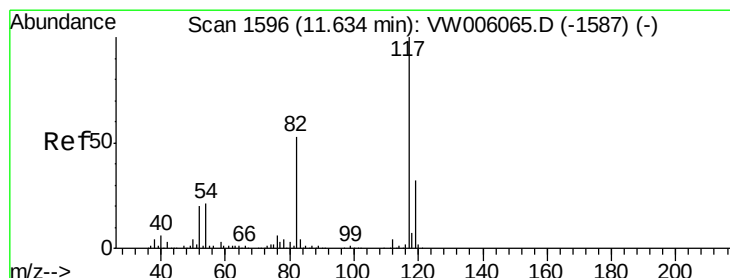
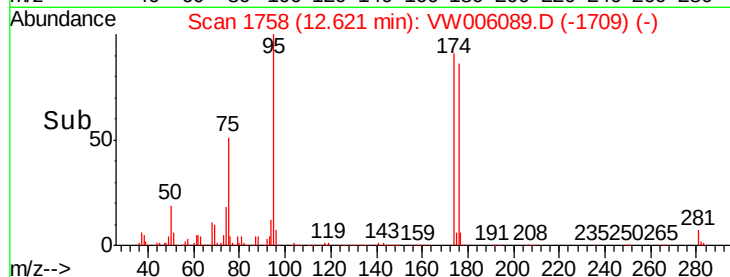
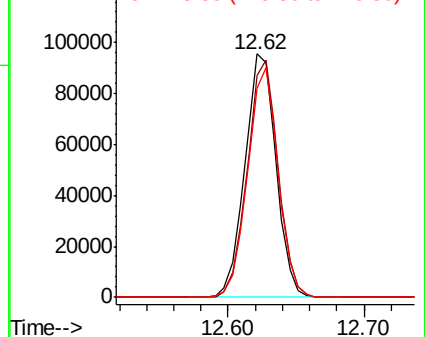
95 100

174 96.5 0.0 186.0

176 92.8 0.0 181.6



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# 1596

Delta R.T. -0.00 min

Lab File: VW006089.D

Acq: 16 Oct 2018 19:44

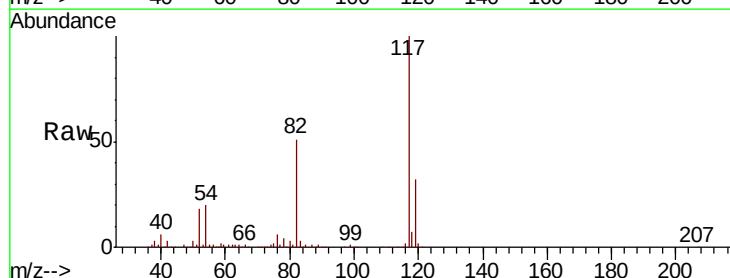
Tgt Ion: 117 Resp: 369028

Ion Ratio Lower Upper

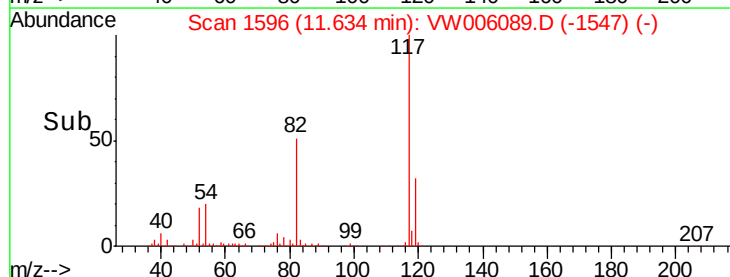
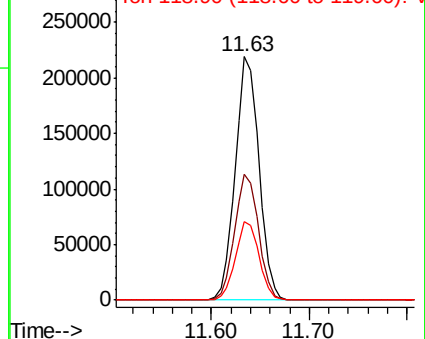
117 100

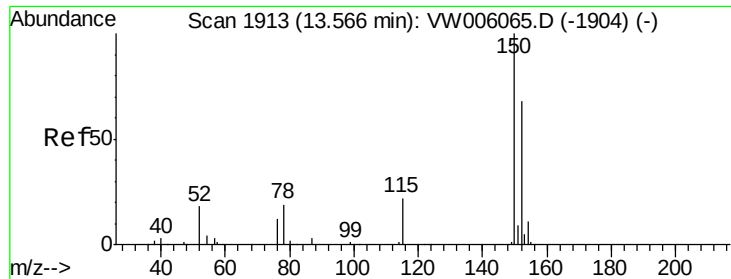
82 51.4 42.1 63.1

119 32.3 25.8 38.6



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# 1913

Delta R.T. -0.00 min

Lab File: VW006089.D

Acq: 16 Oct 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-2

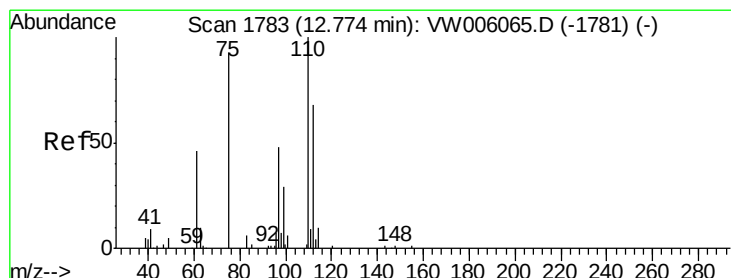
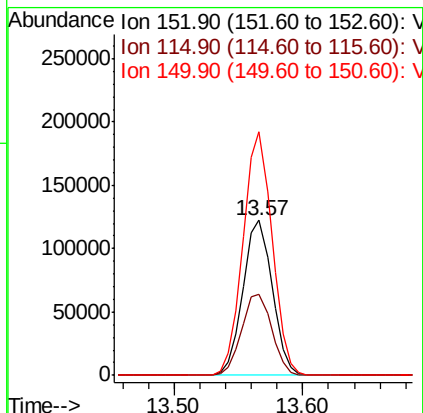
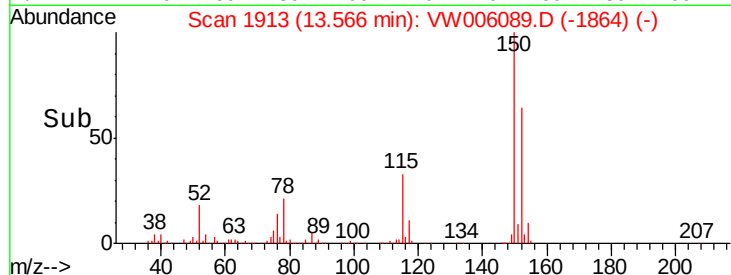
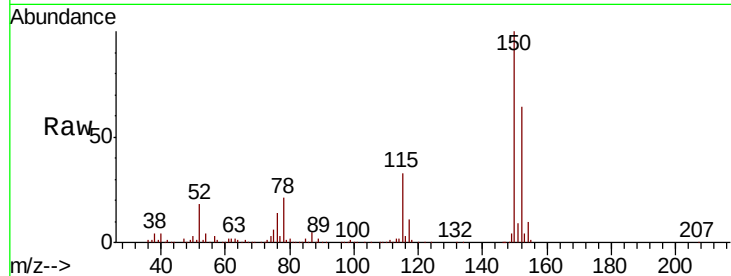
Tgt Ion:152 Resp: 192226

Ion Ratio Lower Upper

152 100

115 53.9 27.8 83.3

150 155.5 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 54.114 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006089.D

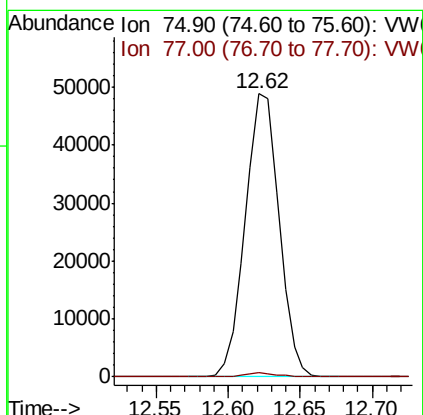
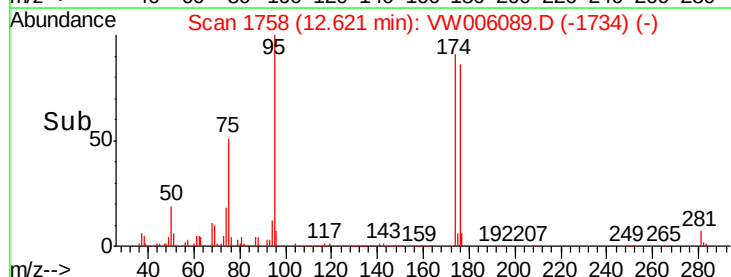
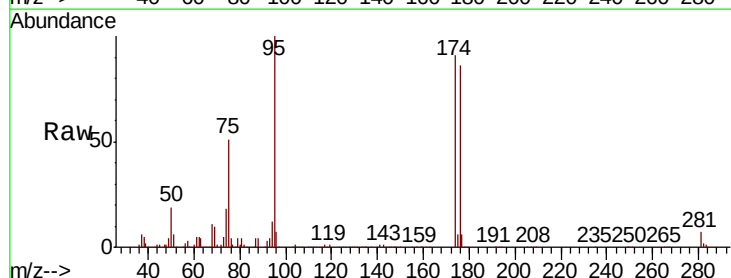
Acq: 16 Oct 2018 19:44

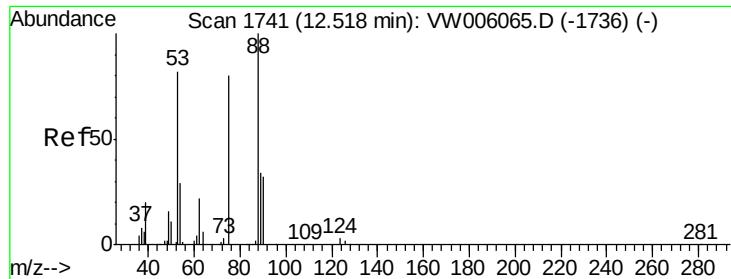
Tgt Ion: 75 Resp: 79451

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 129.353 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006089.D

Acq: 16 Oct 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-2

Tgt Ion: 75 Resp: 79451

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#

