

Data File : VW010687.D
Acq On : 05 Jun 2019 12:53
Operator : SY/VA
Sample : K3182-03
Misc : 5.06G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-05-1.0-1.5

Quant Time: Jun 06 07:28:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	149965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56170	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58745	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	7.88	113	43570	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.32	98	198423	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
62) 4-Bromofluorobenzene	12.62	95	66866	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

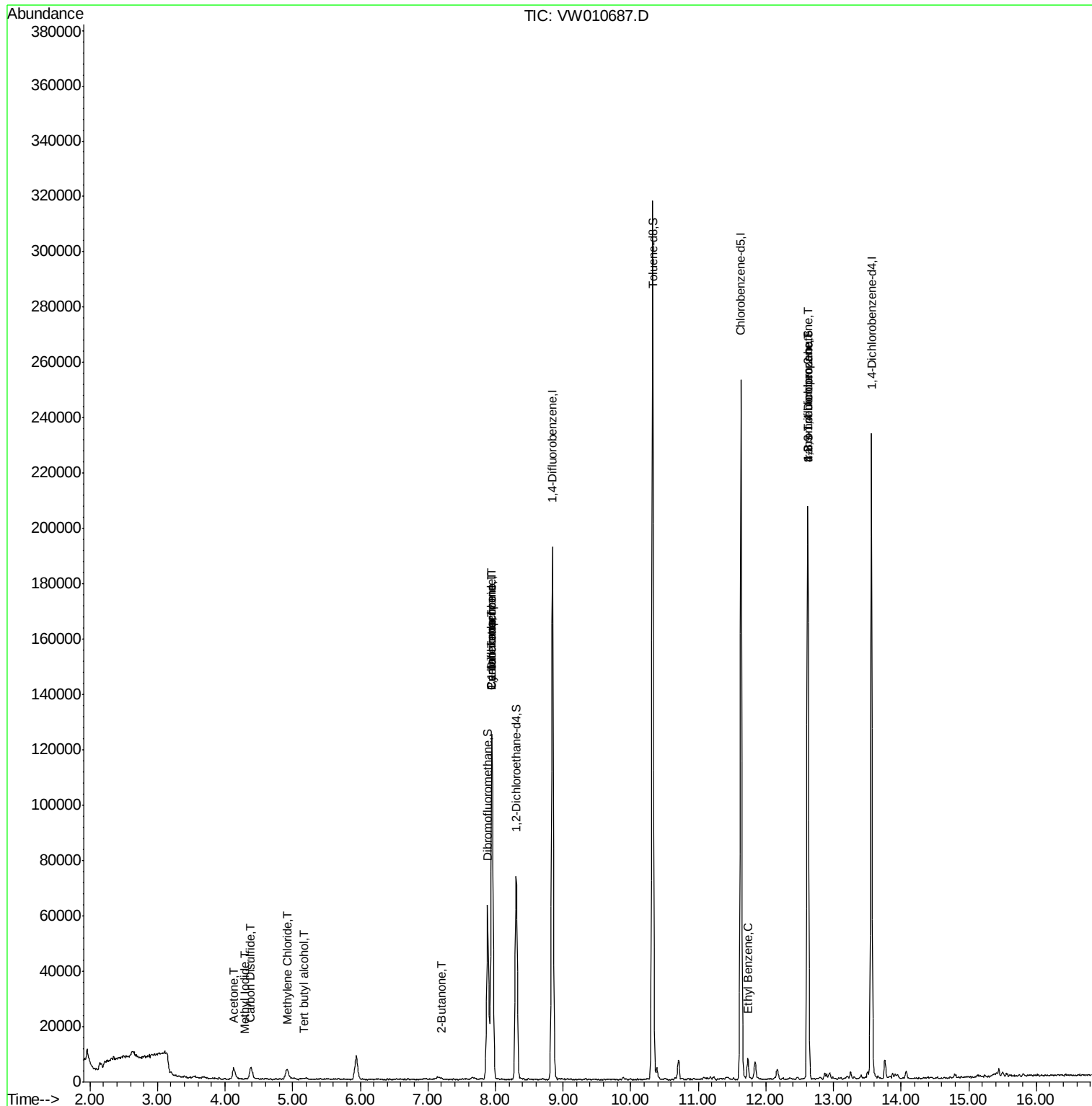
Target Compounds			Qvalue			
10) Methyl Iodide	4.30	142	52	4.848	ug/l #	41
11) Tert butyl alcohol	5.17	59	855	9.637	ug/l #	78
16) Acetone	4.13	43	8115	27.810	ug/l	98
17) Carbon Disulfide	4.38	76	7085	2.498	ug/l	97
20) Methylene Chloride	4.92	84	2299	2.246	ug/l	87
25) 2-Butanone	7.20	43	1128	2.788	ug/l #	83
31) Cyclohexane	7.95	56	2532	1.152	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	8184	5.331	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9197	6.940	ug/l #	18
67) Ethyl Benzene	11.73	91	5085	1.038	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	36592	62.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	36592	142.577	ug/l #	5

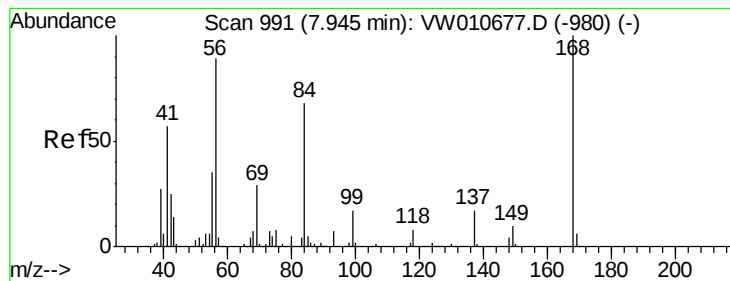
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

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Acq: 05 Jun 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

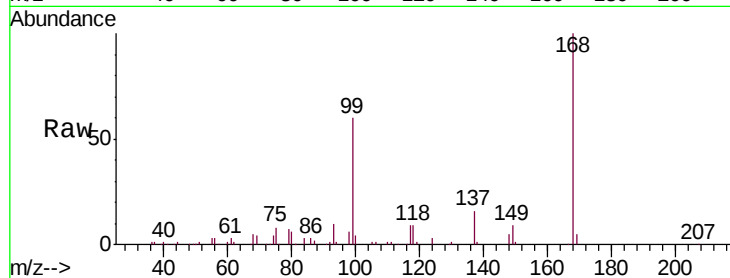
B-05-1.0-1.5

Tgt Ion:168 Resp: 92394

Ion Ratio Lower Upper

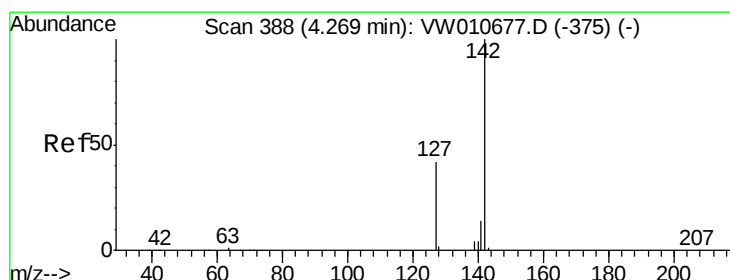
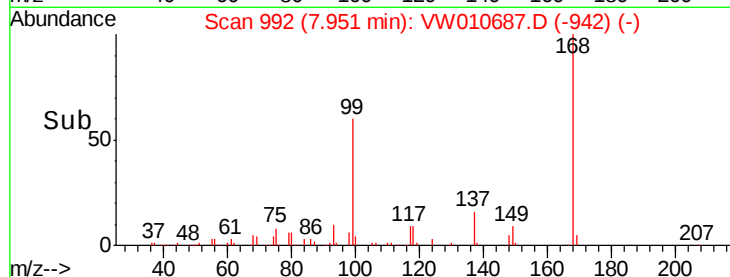
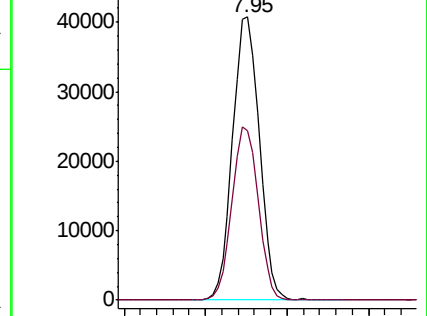
168 100

99 60.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 4.848 ug/l

RT: 4.30 min Scan# 393

Delta R.T. 0.03 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

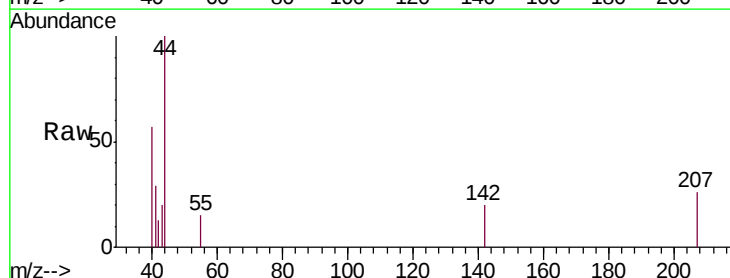
Tgt Ion:142 Resp: 52

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

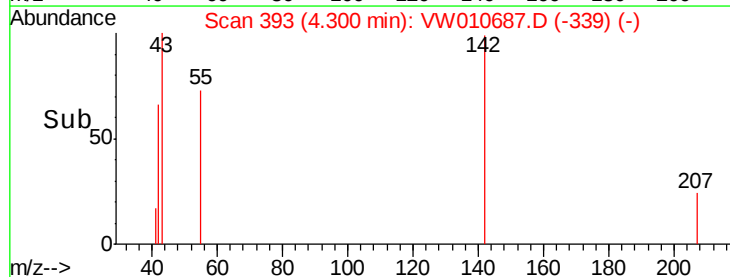
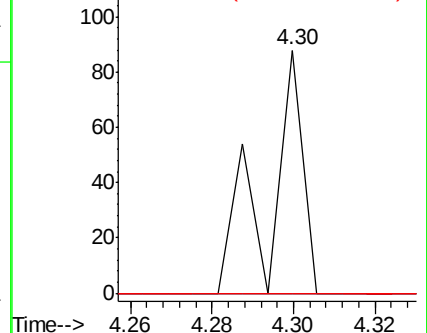
141 0.0 11.6 17.4#

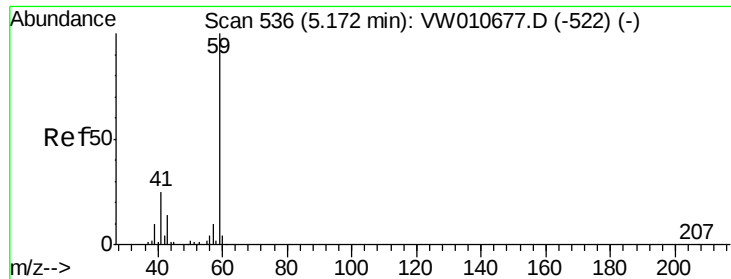


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

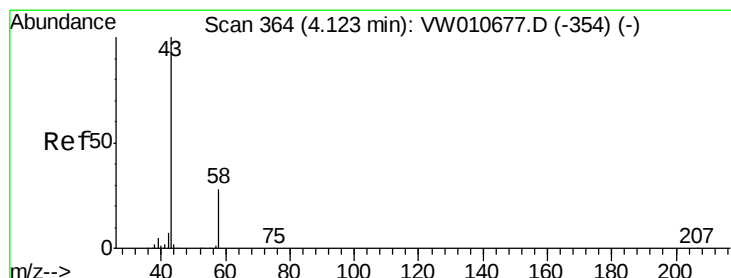
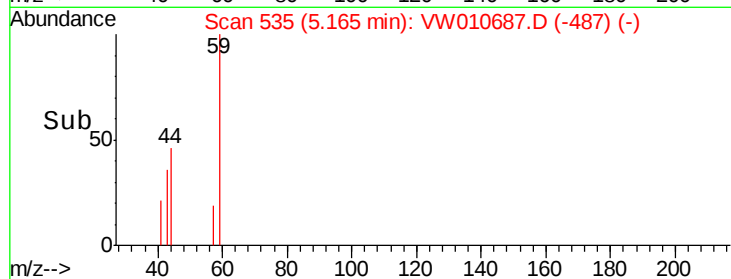
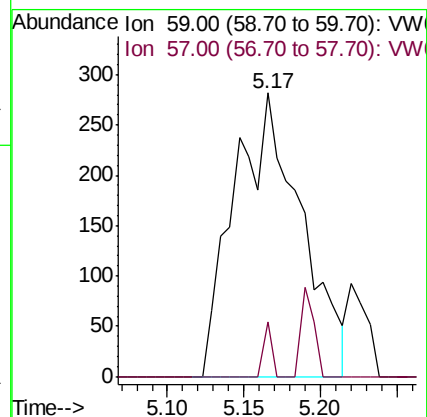
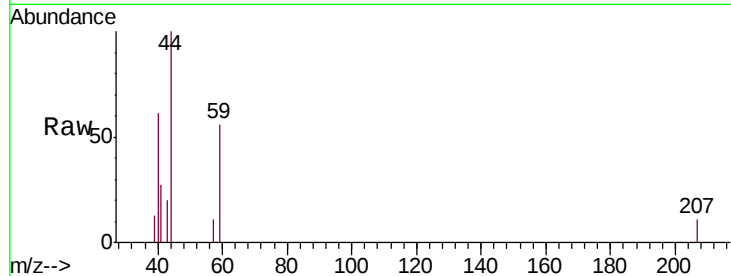




#11
Tert butyl alcohol
Concen: 9.637 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010687.D
Acq: 05 Jun 2019 12:53

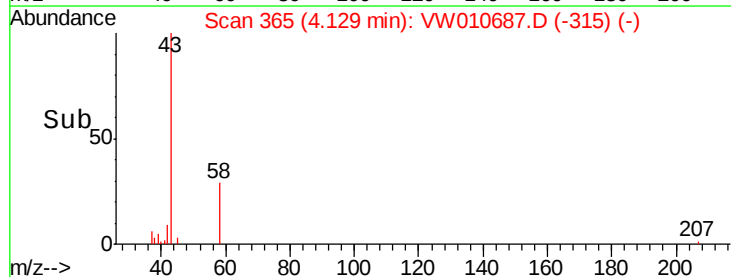
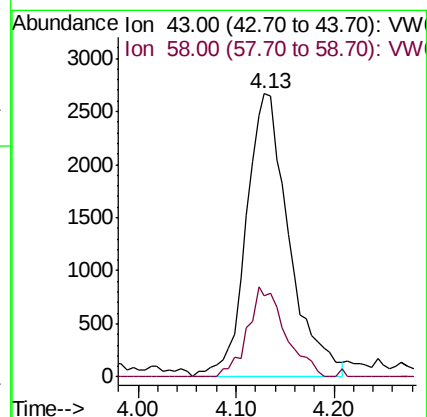
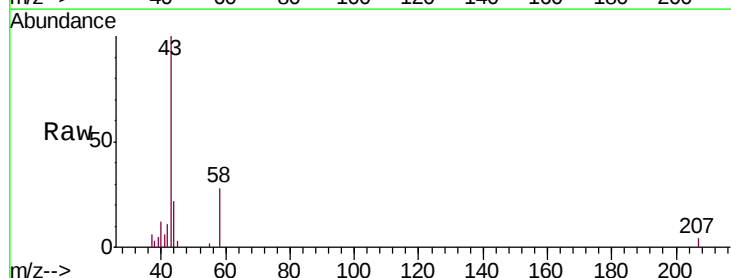
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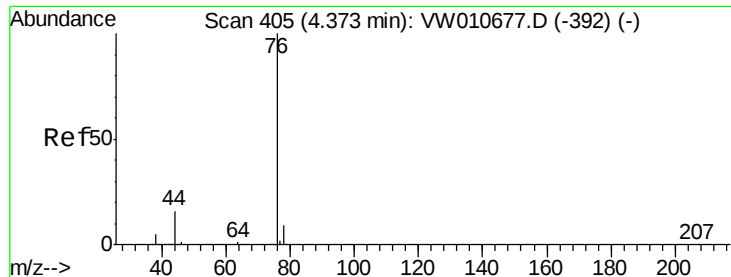
Tgt Ion: 59 Resp: 855
Ion Ratio Lower Upper
59 100
57 2.3 8.6 12.8#



#16
Acetone
Concen: 27.810 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010687.D
Acq: 05 Jun 2019 12:53

Tgt Ion: 43 Resp: 8115
Ion Ratio Lower Upper
43 100
58 28.5 22.1 33.1

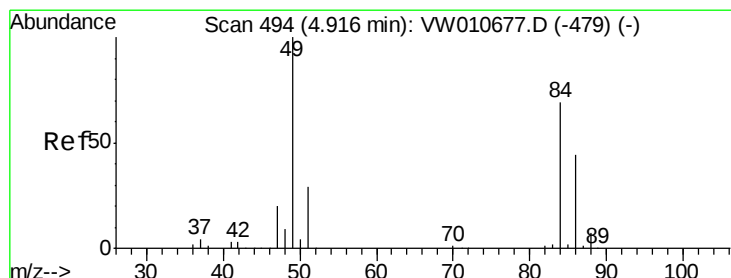
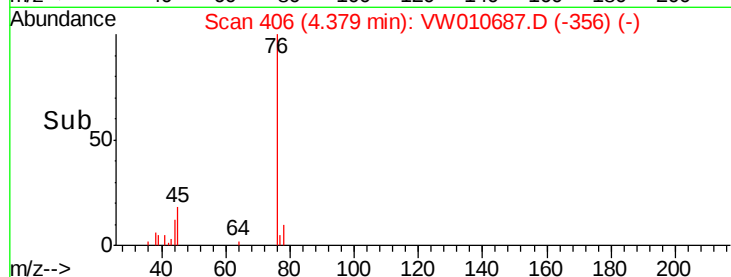
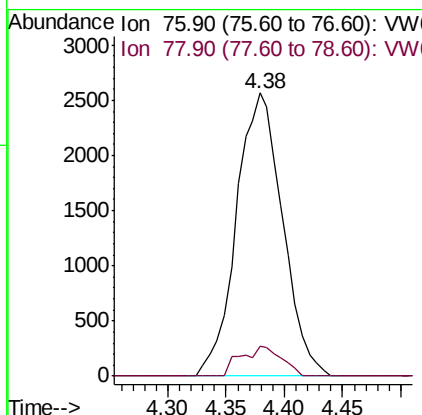
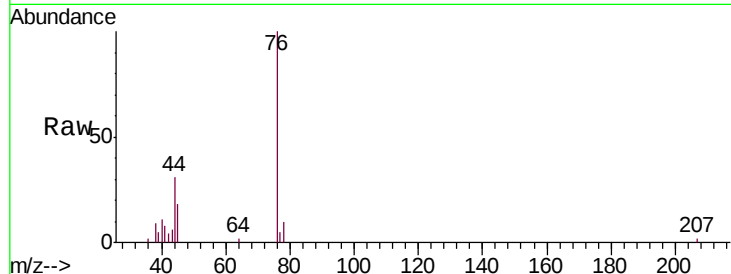




#17
Carbon Disulfide
Concen: 2.498 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010687.D
Acq: 05 Jun 2019 12:53

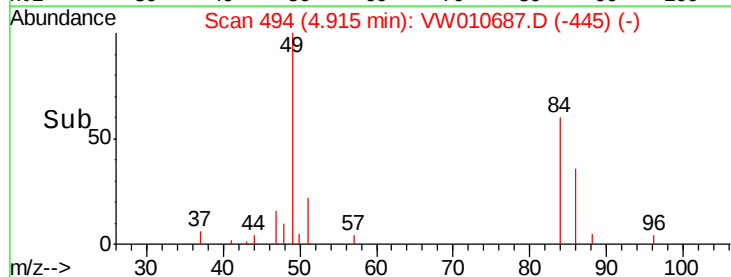
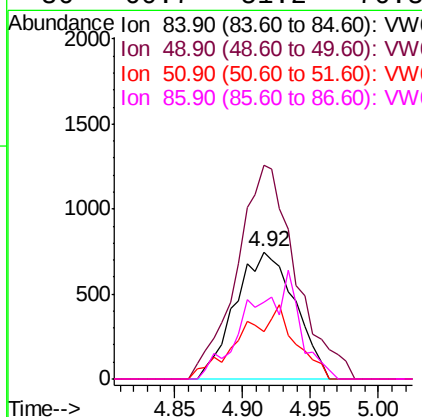
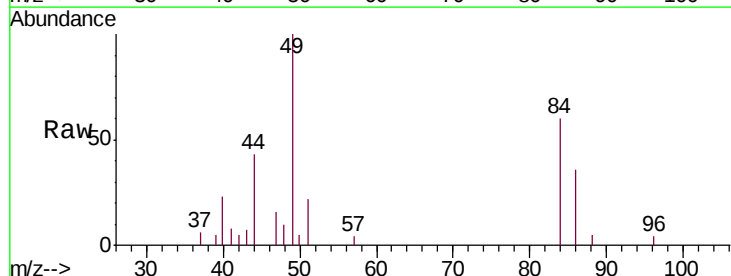
Instrument :
MSVOA_W
ClientSampleId :
B-05-1.0-1.5

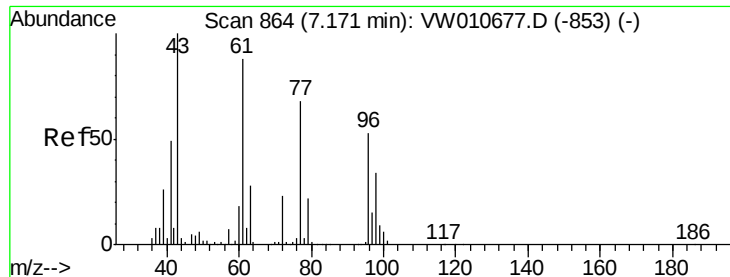
Tgt Ion: 76 Resp: 7085
Ion Ratio Lower Upper
76 100
78 10.4 7.5 11.3



#20
Methylene Chloride
Concen: 2.246 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010687.D
Acq: 05 Jun 2019 12:53

Tgt Ion: 84 Resp: 2299
Ion Ratio Lower Upper
84 100
49 168.0 116.7 175.1
51 37.0 34.2 51.2
86 60.7 51.2 76.8





#25

2-Butanone

Concen: 2.788 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

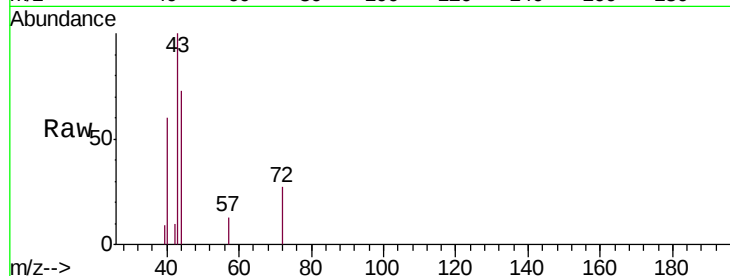
B-05-1.0-1.5

Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

72 31.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.20

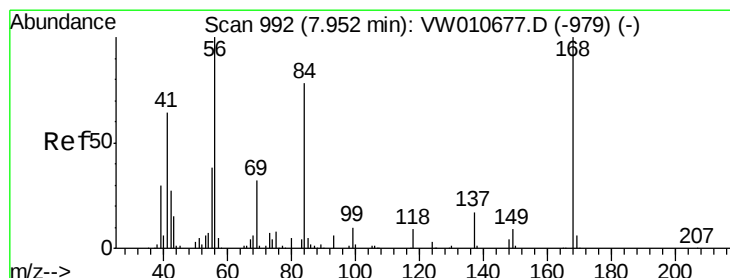
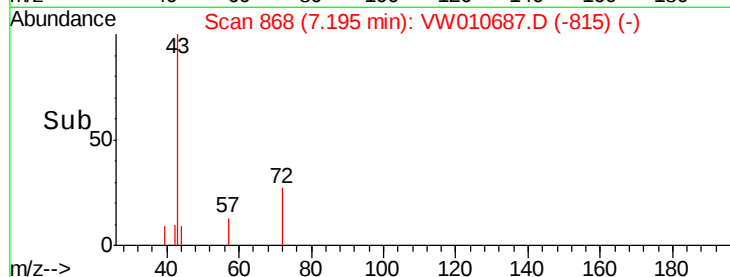
600

400

200

0

Time--> 7.10 7.15 7.20 7.25 7.30



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

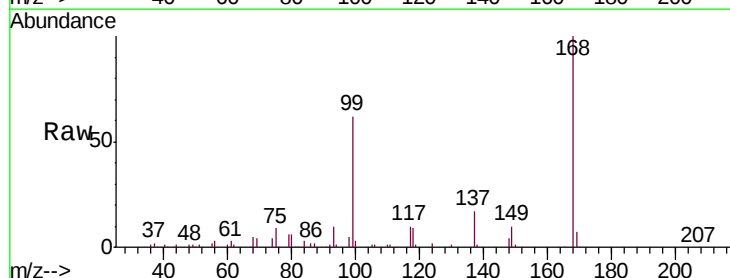
Tgt Ion: 56 Resp: 2532

Ion Ratio Lower Upper

56 100

69 129.8 25.2 37.8#

84 108.4 62.2 93.2#



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

2000

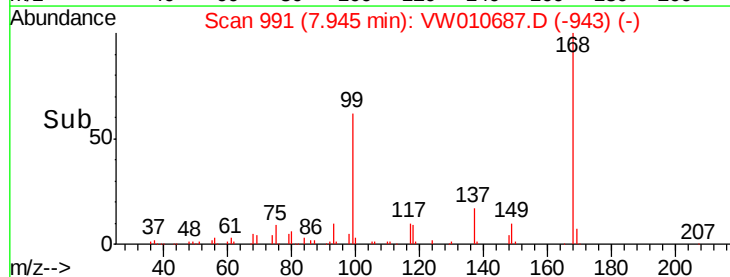
1500

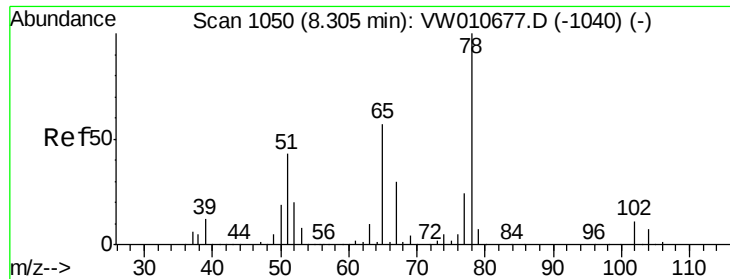
1000

500

0

Time--> 7.85 7.90 7.95 8.00

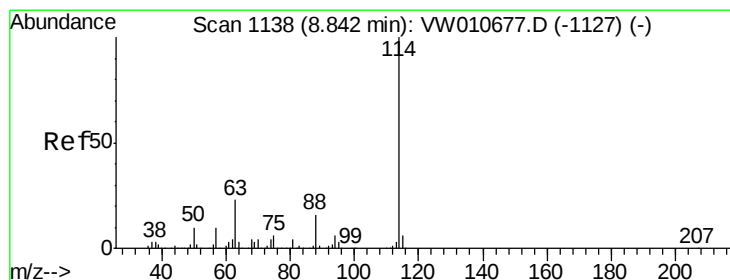
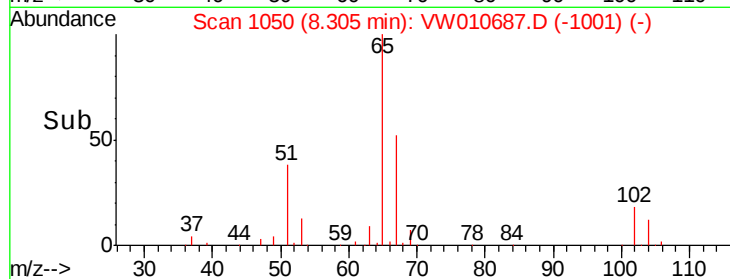
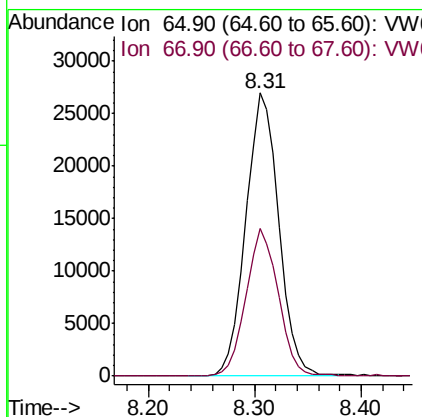
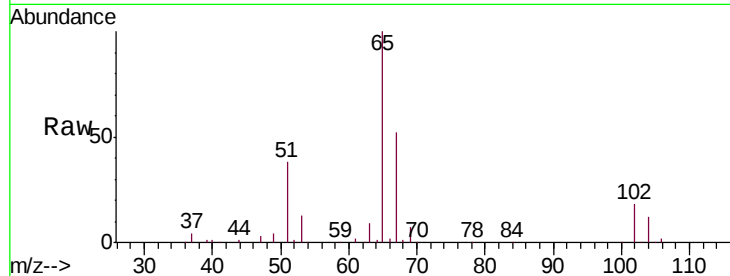




#33
 1,2-Dichloroethane-d4
 Concen: 53.943 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010687.D
 Acq: 05 Jun 2019 12:53

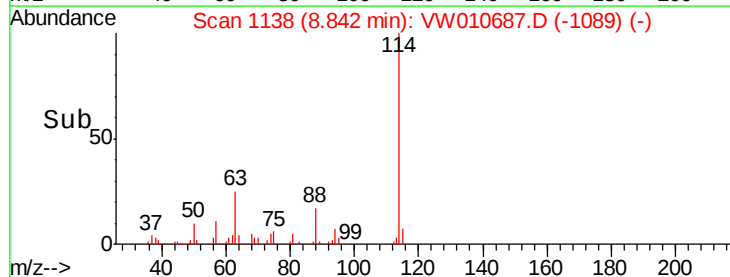
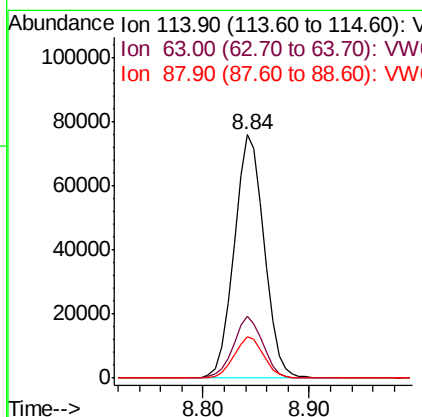
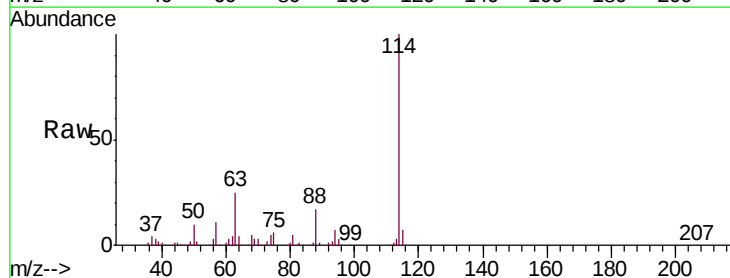
Instrument :
 MSVOA_W
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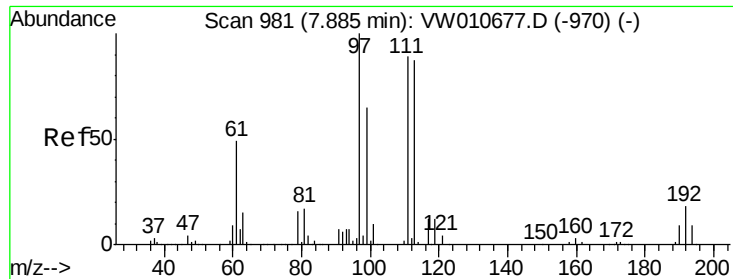
Tgt Ion: 65 Resp: 58745
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010687.D
 Acq: 05 Jun 2019 12:53

Tgt Ion: 114 Resp: 149965
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 46.4
 88 16.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.527 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

B-05-1.0-1.5

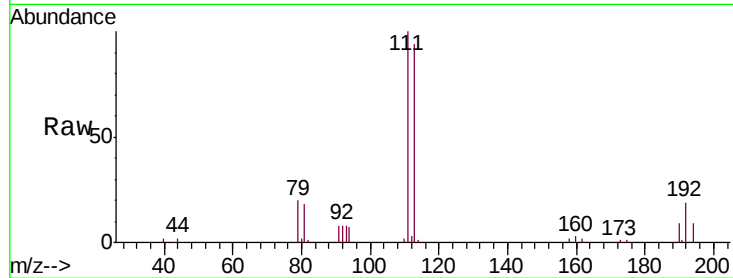
Tgt Ion:113 Resp: 43570

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

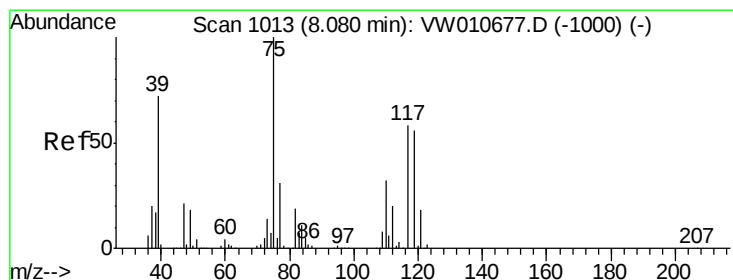
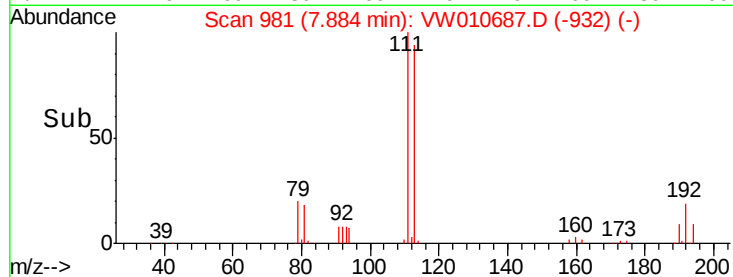
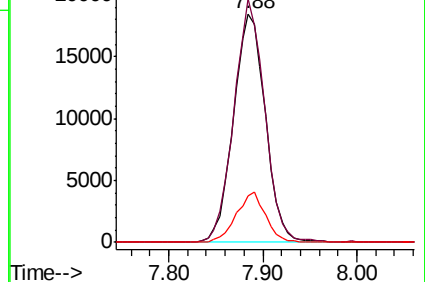
192 20.1 16.4 24.6



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: 5.331 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

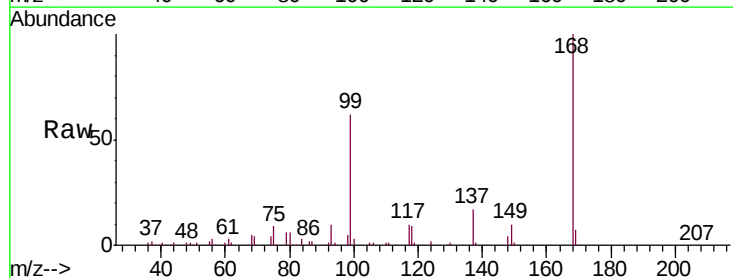
Tgt Ion: 75 Resp: 8184

Ion Ratio Lower Upper

75 100

110 7.6 15.8 47.3#

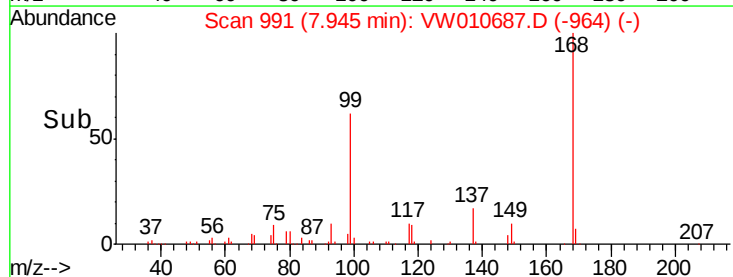
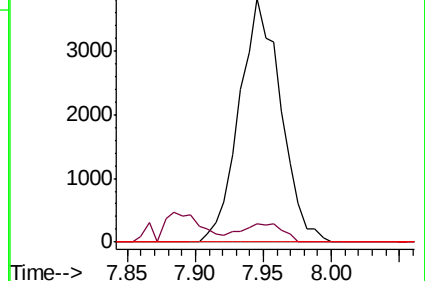
77 0.0 24.7 37.1#

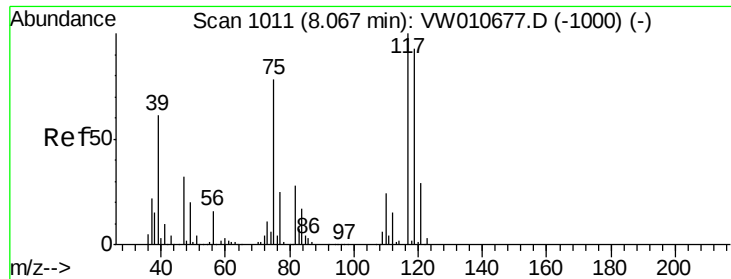


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

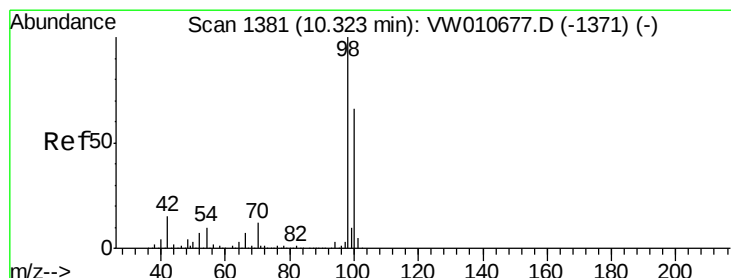
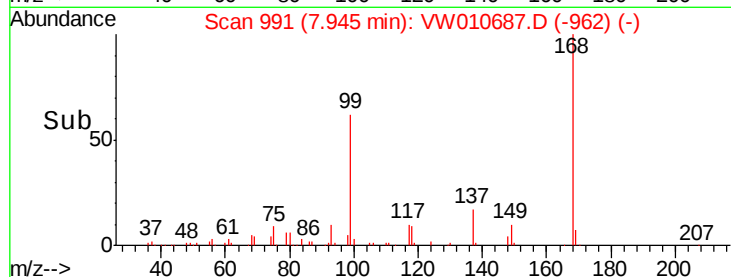
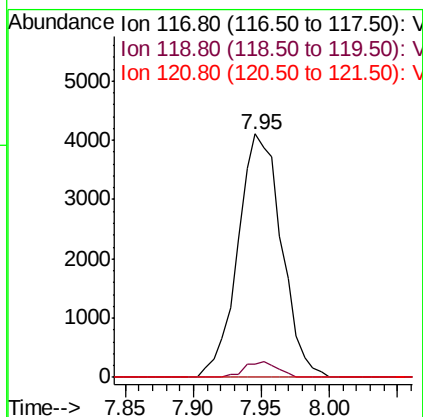
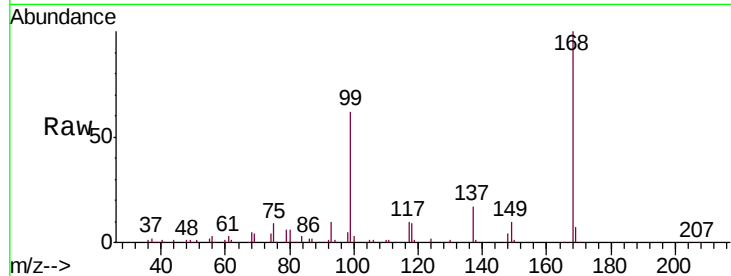




#38
Carbon Tetrachloride
Concen: 6.940 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010687.D
Acq: 05 Jun 2019 12:53

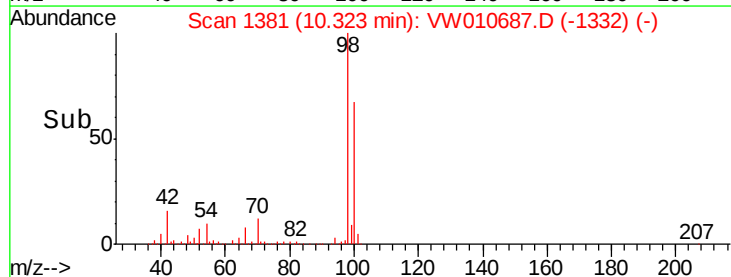
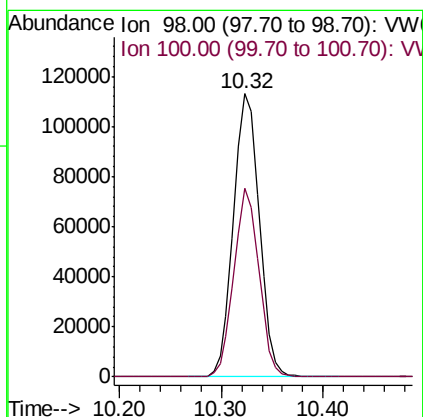
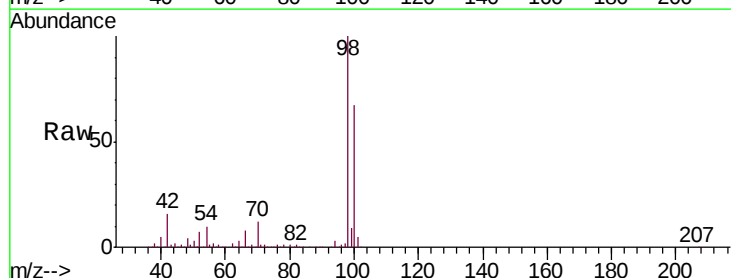
Instrument :
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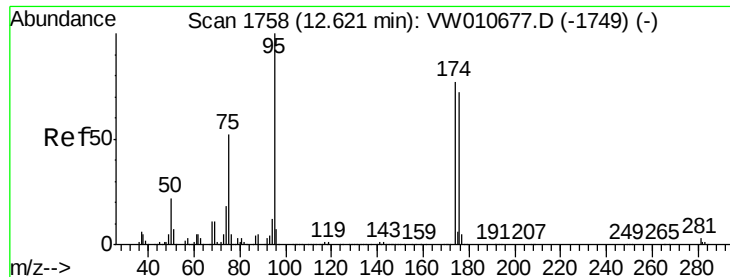
Tgt Ion:117 Resp: 9197
Ion Ratio Lower Upper
117 100
119 5.5 74.2 111.4#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 55.590 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010687.D
Acq: 05 Jun 2019 12:53

Tgt Ion: 98 Resp: 198423
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.6





#62

4-Bromofluorobenzene

Concen: 51.481 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

B-05-1.0-1.5

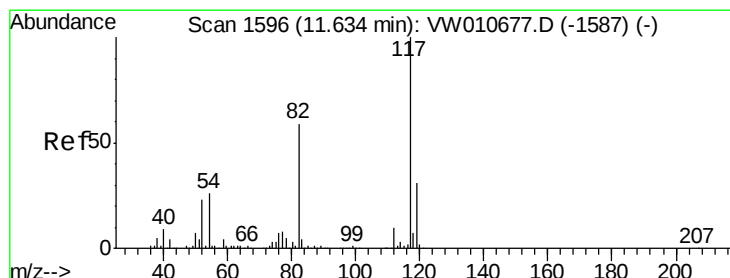
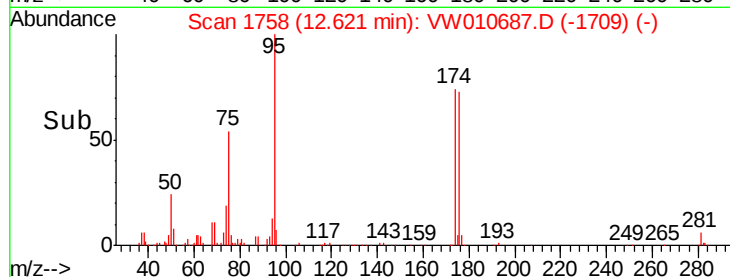
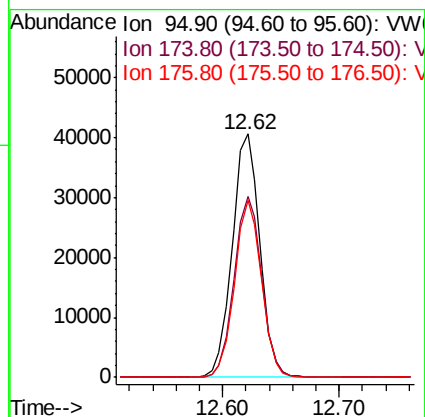
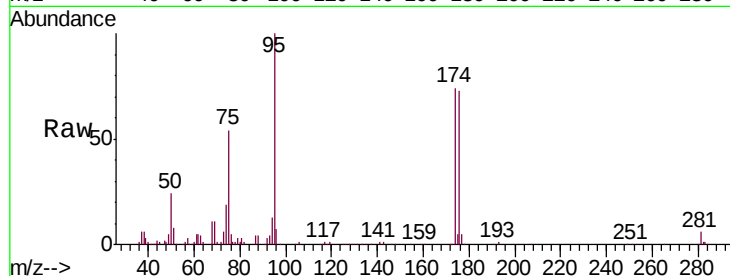
Tgt Ion: 95 Resp: 66866

Ion Ratio Lower Upper

95 100

174 74.4 0.0 150.4

176 70.9 0.0 144.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

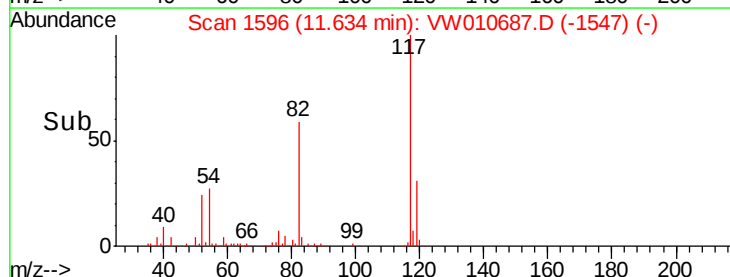
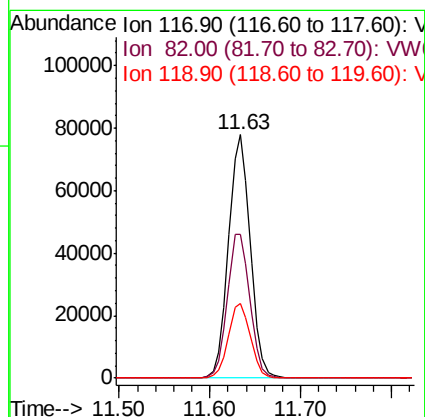
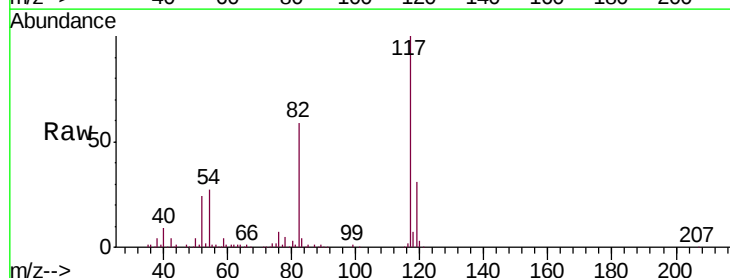
Tgt Ion: 117 Resp: 129620

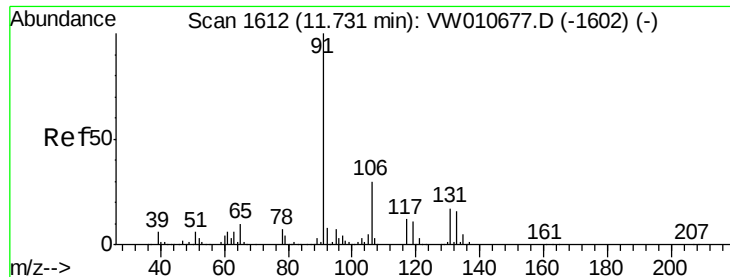
Ion Ratio Lower Upper

117 100

82 59.0 47.0 70.4

119 30.7 25.1 37.7

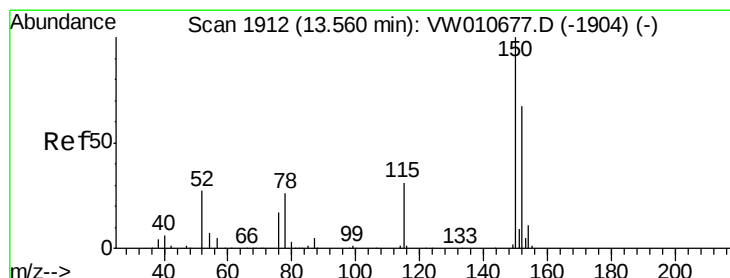
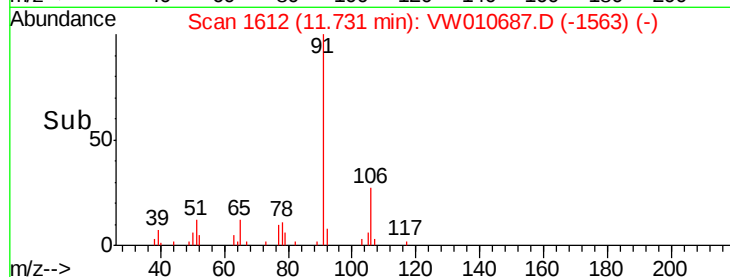
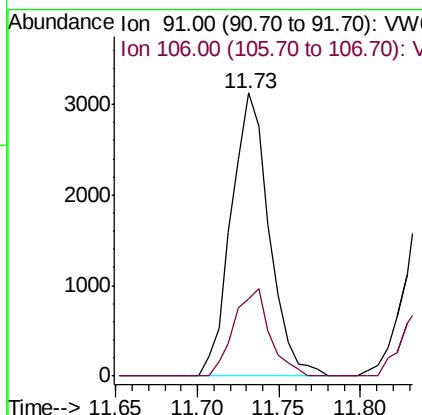
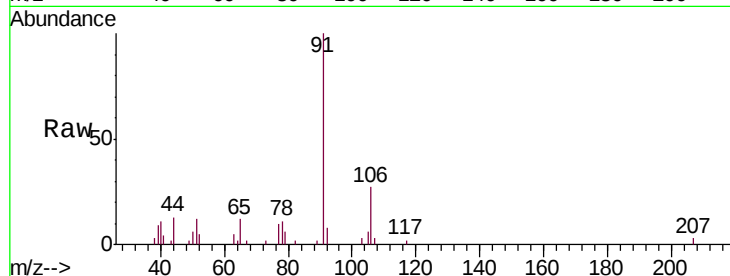




#67
Ethyl Benzene
Concen: 1.038 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010687.D
Acq: 05 Jun 2019 12:53

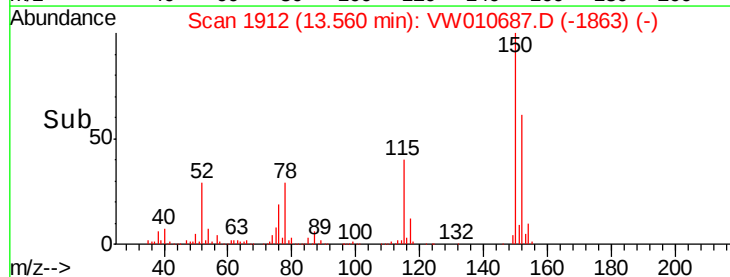
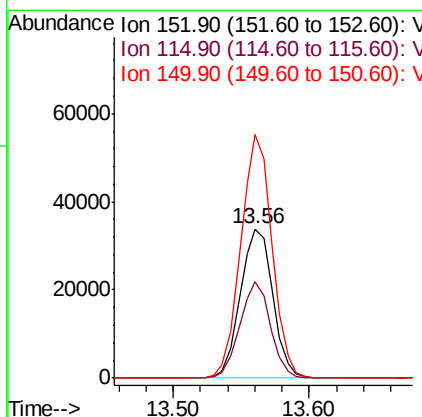
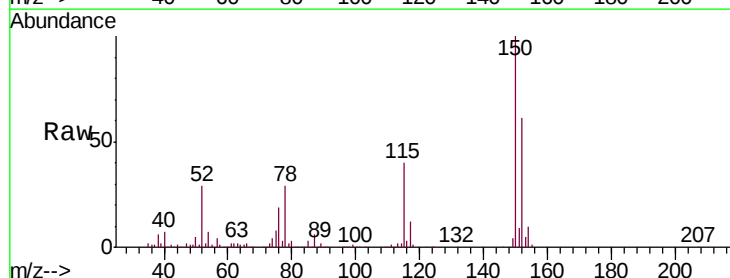
Instrument :
MSVOA_W
ClientSampleId :
B-05-1.0-1.5

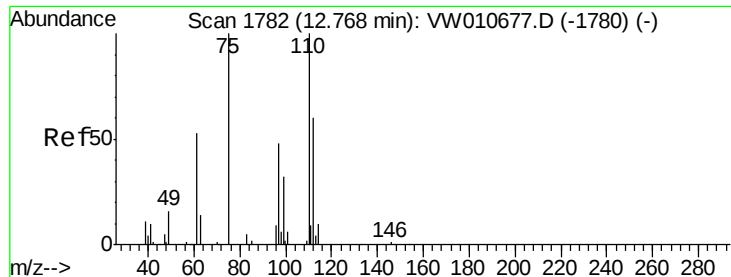
Tgt Ion: 91 Resp: 5085
Ion Ratio Lower Upper
91 100
106 27.3 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010687.D
Acq: 05 Jun 2019 12:53

Tgt Ion: 152 Resp: 56170
Ion Ratio Lower Upper
152 100
115 60.9 29.8 89.3
150 157.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 62.035 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

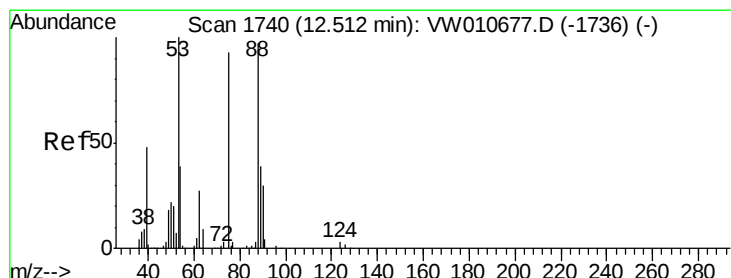
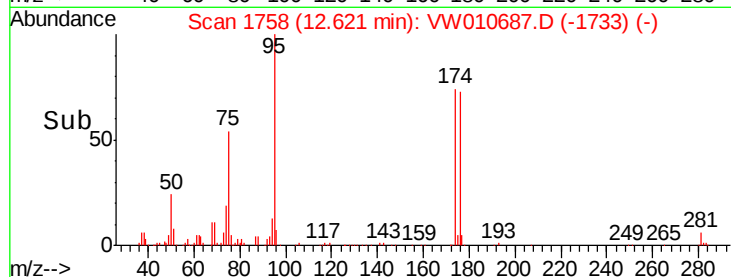
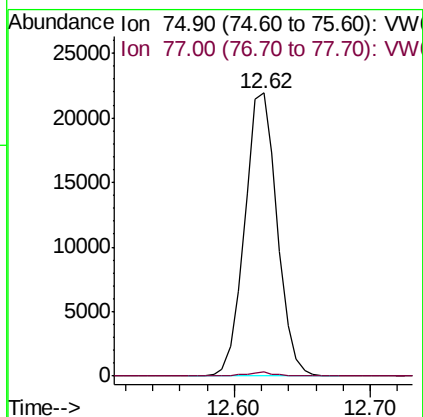
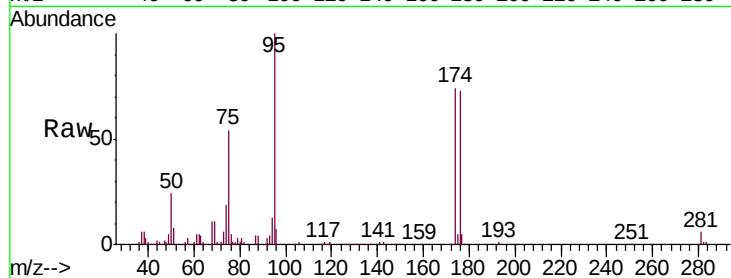
B-05-1.0-1.5

Tgt Ion: 75 Resp: 36592

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.577 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010687.D

Acq: 05 Jun 2019 12:53

Tgt Ion: 75 Resp: 36592

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#

