

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011119\
 Data File : VW008232.D
 Acq On : 12 Jan 2019 10:14
 Operator : SY/VA
 Sample : K1122-07
 Misc : 5.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5I(15.5-16)

Quant Time: Jan 14 10:54:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

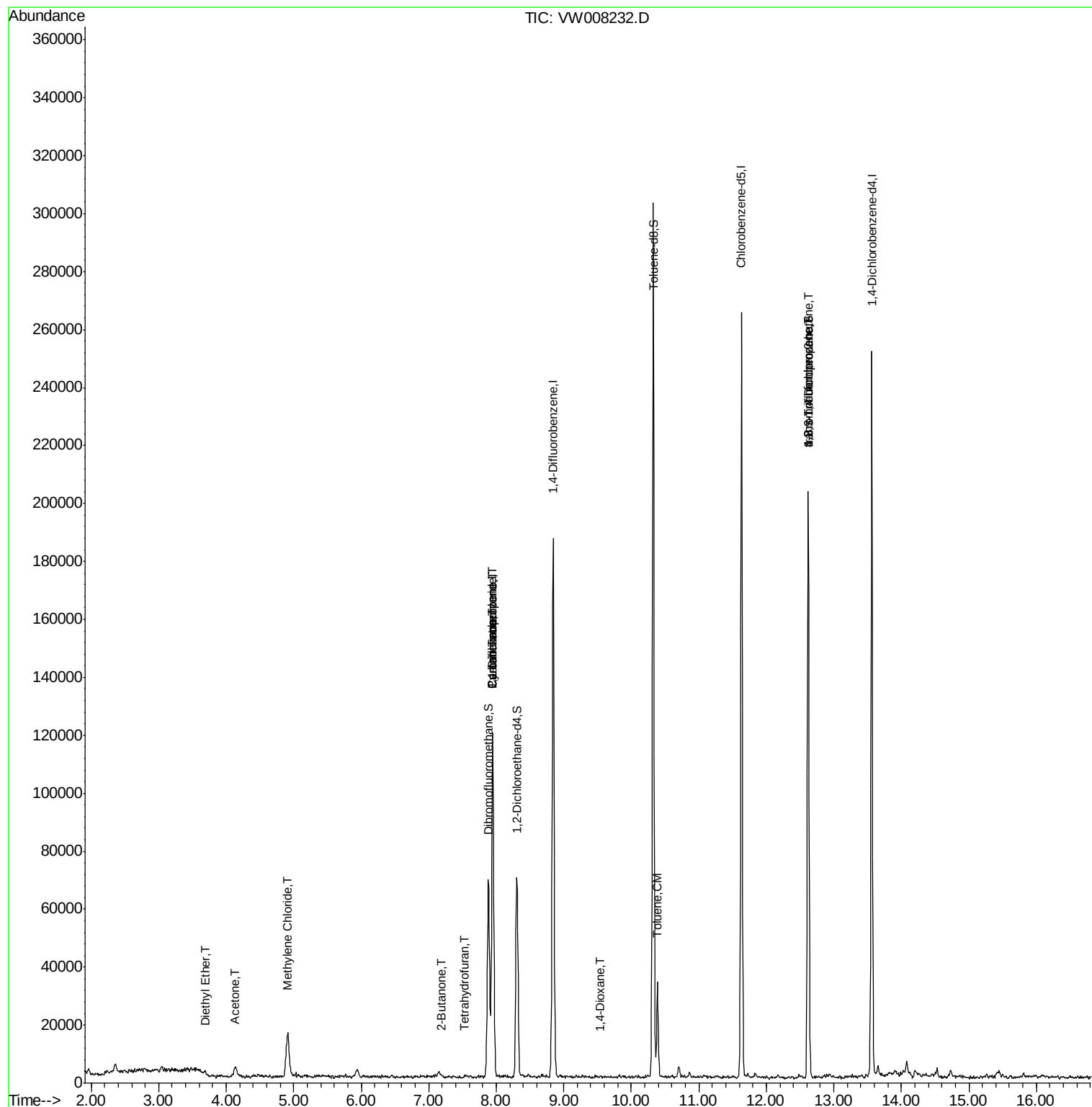
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	84183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	141108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	62516	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52664	55.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.32%	
35) Dibromofluoromethane	7.89	113	49706	54.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.84%	
50) Toluene-d8	10.32	98	200591	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.62	95	64492	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
Target Compounds						
8) Diethyl Ether	3.69	74	1144	2.140	ug/l	66
11) Tert butyl alcohol	5.26	59	98	Below Cal	#	100
13) Acrolein	3.90	56	42	Below Cal	#	53
16) Acetone	4.12	43	6602	19.303	ug/l #	85
20) Methylene Chloride	4.90	84	11560	8.410	ug/l	88
25) 2-Butanone	7.19	43	304	1.155	ug/l #	49
29) Tetrahydrofuran	7.52	42	224	1.274	ug/l #	42
31) Cyclohexane	7.95	56	2179	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7302	4.526	ug/l #	49
38) Carbon Tetrachloride	7.95	117	9027	6.113	ug/l #	17
49) 1,4-Dioxane	9.54	88	21	2.451	ug/l #	1
52) Toluene	10.39	92	13399	4.795	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	32423	56.892	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32423	132.485	ug/l #	10

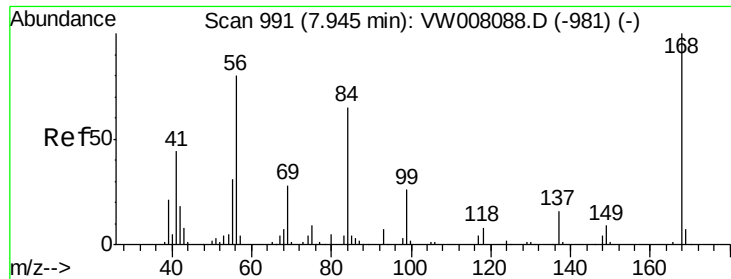
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008232.D

Acq: 12 Jan 2019 10:14

Instrument :

MSVOA_W

ClientSampleId :

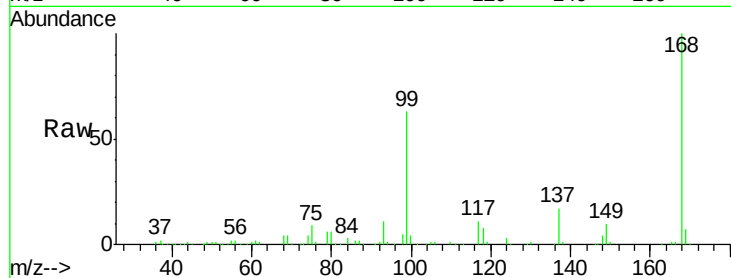
SB-5I(15.5-16)

Tgt Ion:168 Resp: 84183

Ion Ratio Lower Upper

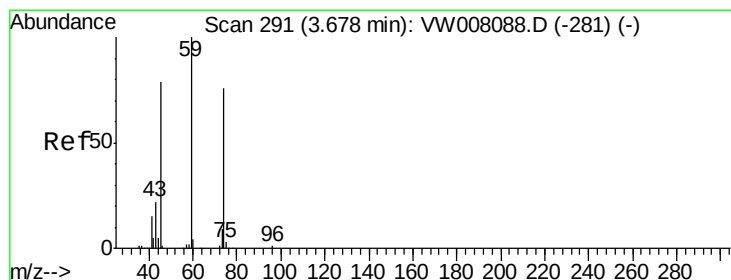
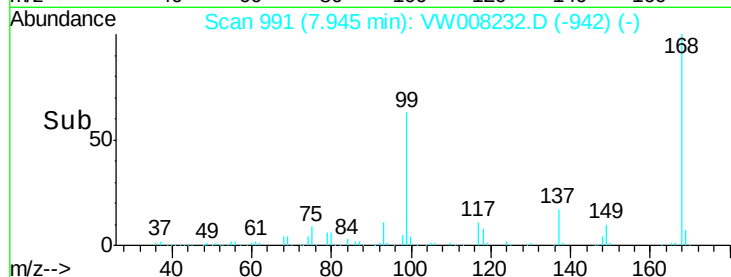
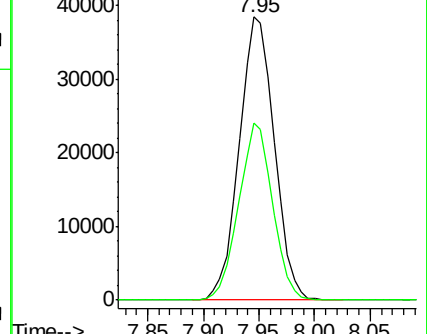
168 100

99 62.7 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.140 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008232.D

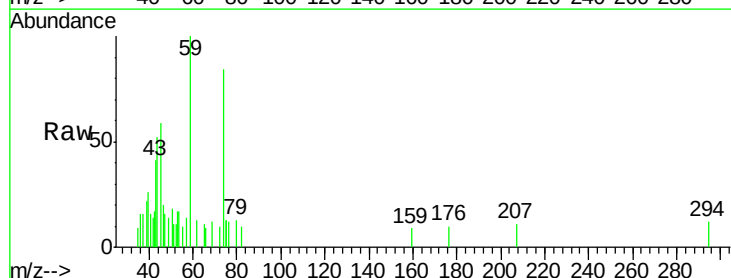
Acq: 12 Jan 2019 10:14

Tgt Ion: 74 Resp: 1144

Ion Ratio Lower Upper

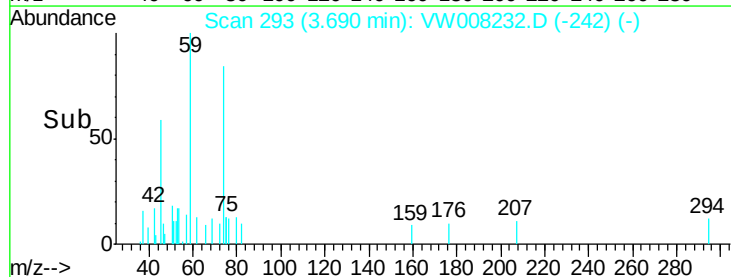
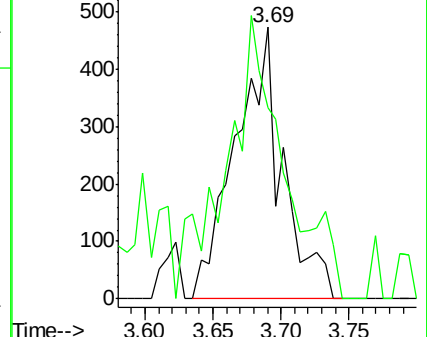
74 100

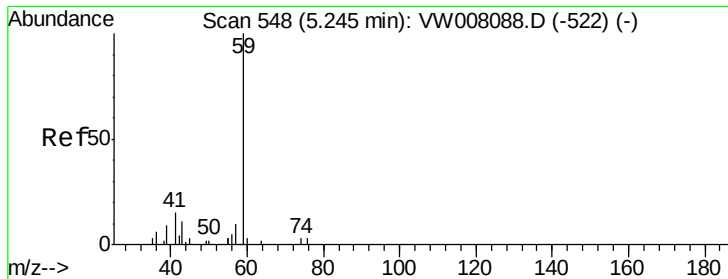
45 70.1 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



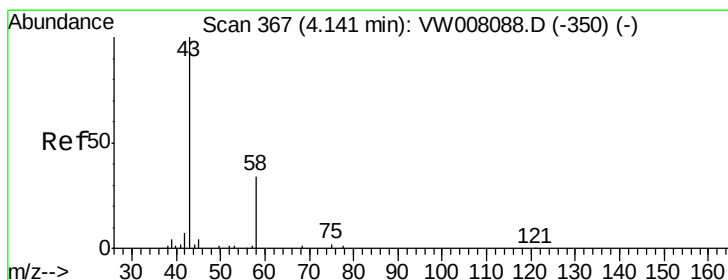
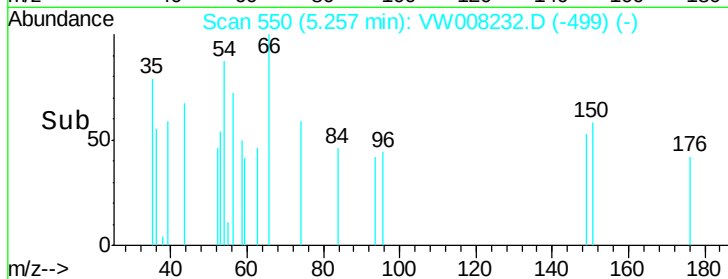
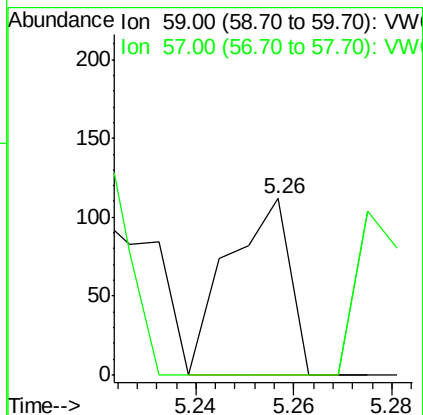
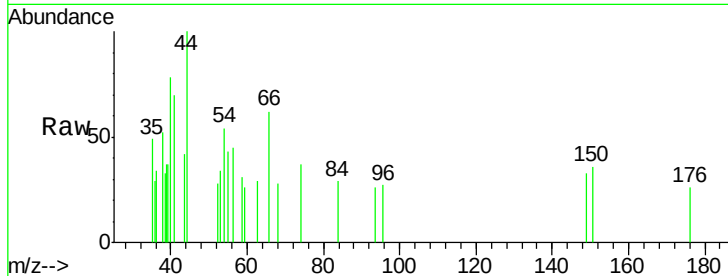


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 550
Delta R.T. 0.01 min
Lab File: VW008232.D
Acq: 12 Jan 2019 10:14

Instrument :
MSVOA_W
ClientSampled :
SB-5I(15.5-16)

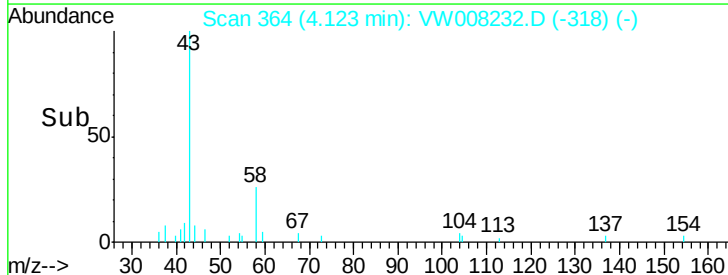
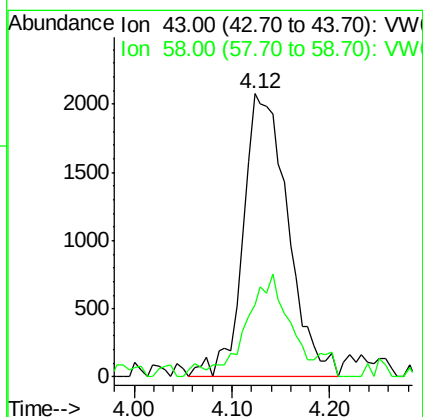
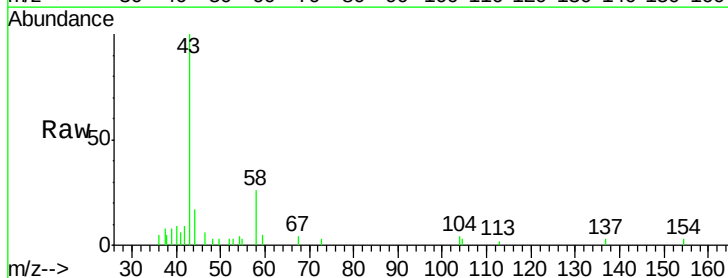
Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 95.9 0.0 0.0#

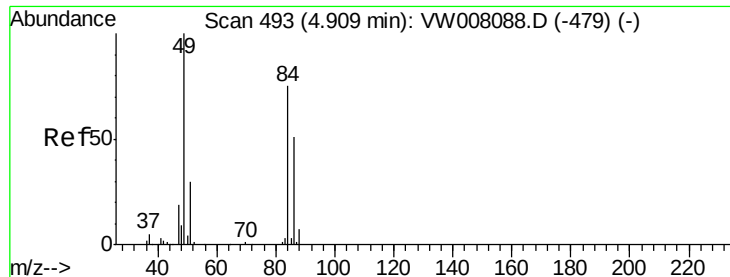


#16

Acetone
Concen: 19.303 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW008232.D
Acq: 12 Jan 2019 10:14

Tgt Ion: 43 Resp: 6602
Ion Ratio Lower Upper
43 100
58 25.6 27.5 41.3#

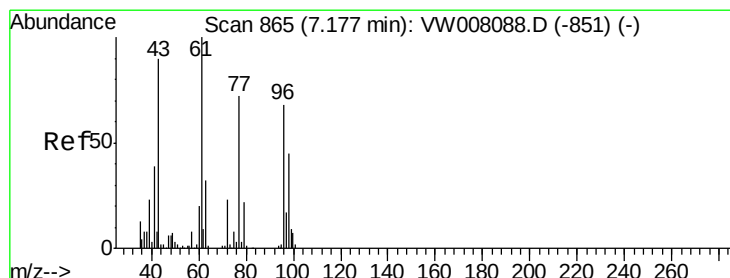
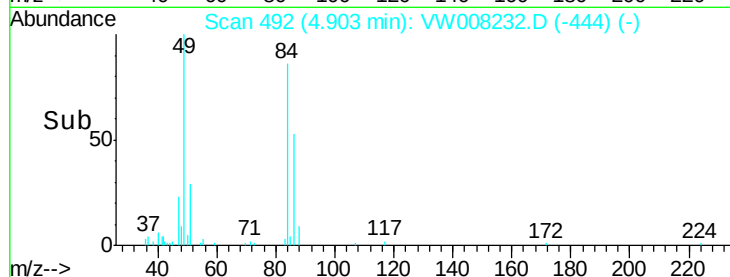
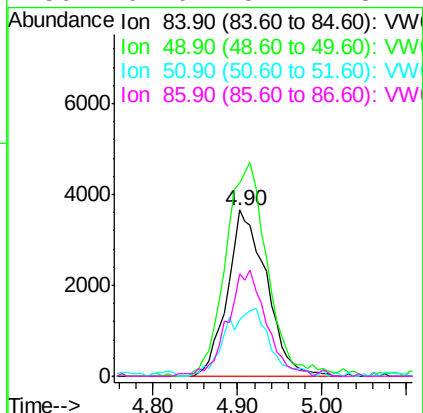
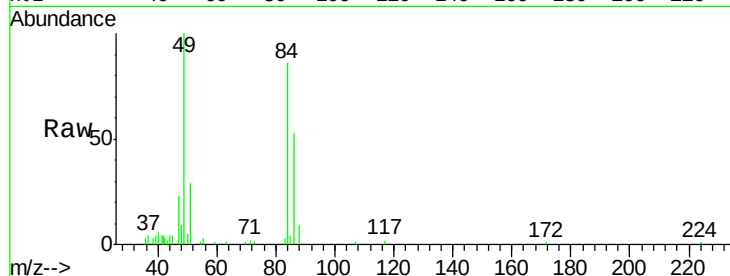




#20
Methylene Chloride
Concen: 8.410 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008232.D
Acq: 12 Jan 2019 10:14

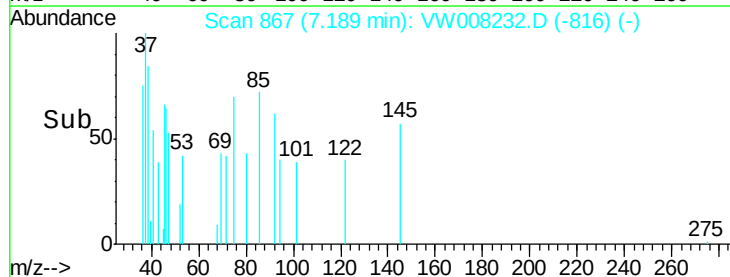
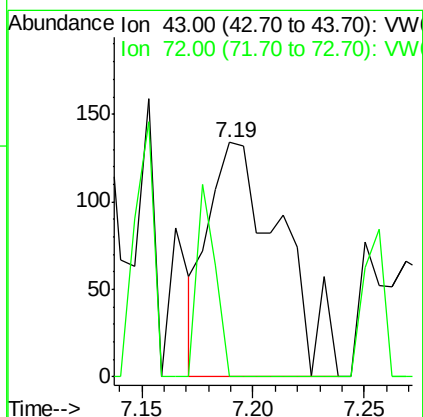
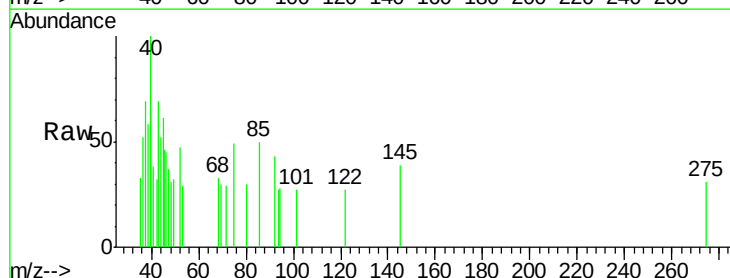
Instrument :
MSVOA_W
ClientSampleId :
SB-5I(15.5-16)

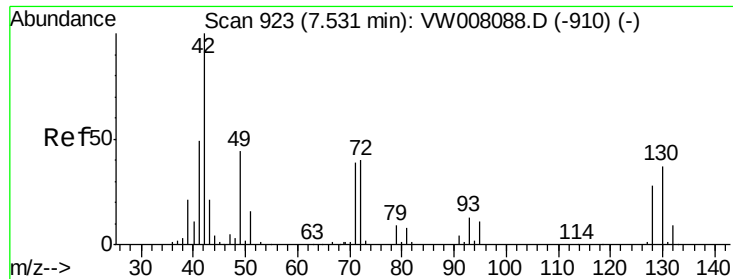
Tgt Ion: 84 Resp: 11560
Ion Ratio Lower Upper
84 100
49 116.7 107.1 160.7
51 34.2 32.4 48.6
86 61.6 54.2 81.4



#25
2-Butanone
Concen: 1.155 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW008232.D
Acq: 12 Jan 2019 10:14

Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

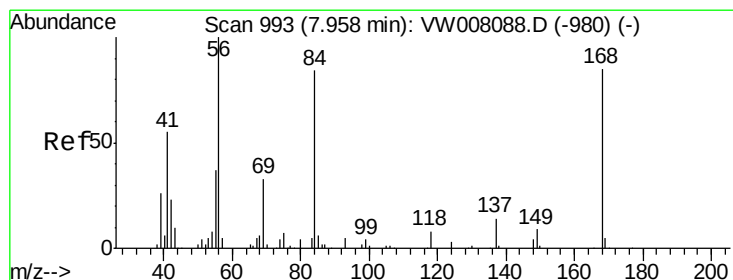
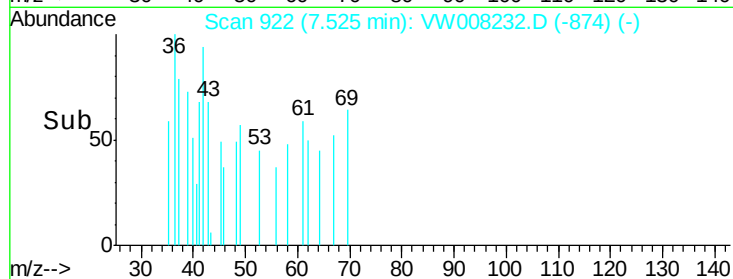
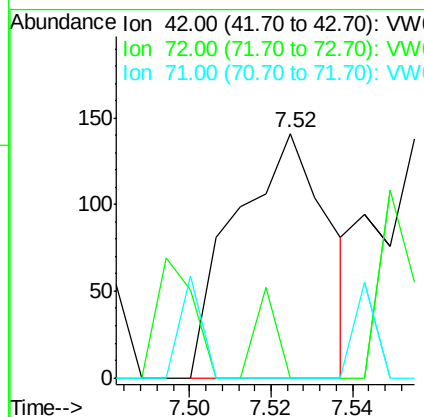
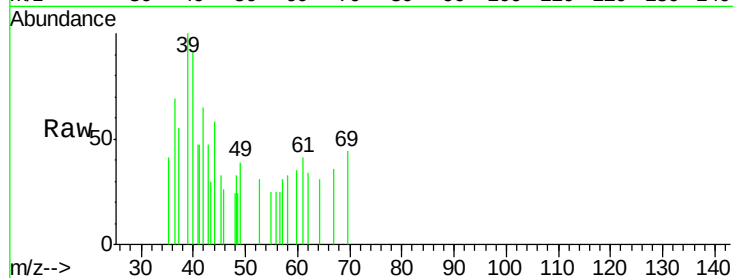




#29
Tetrahydrofuran
Concen: 1.274 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008232.D
Acq: 12 Jan 2019 10:14

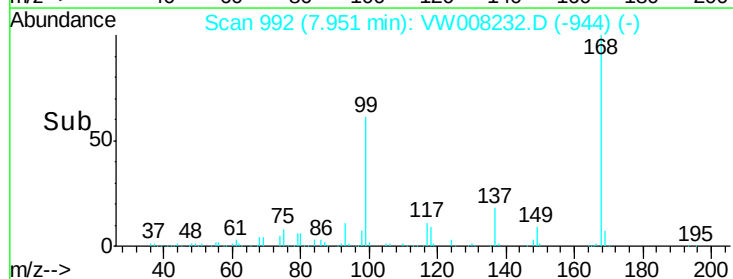
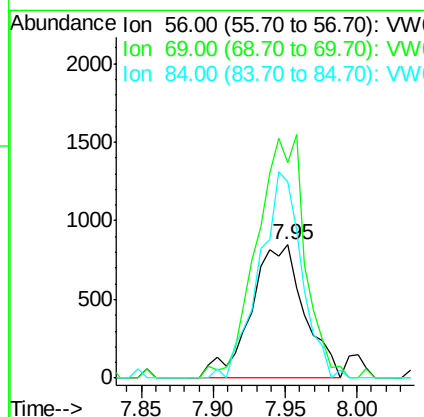
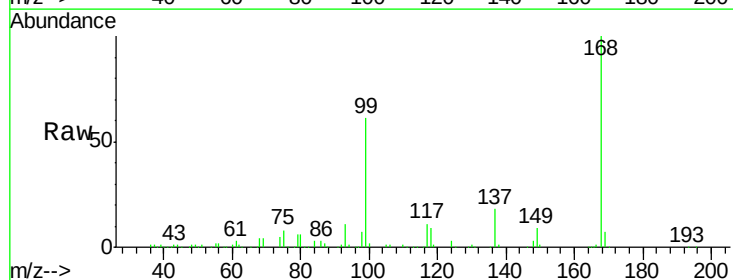
Instrument :
MSVOA_W
ClientSampled :
SB-5I(15.5-16)

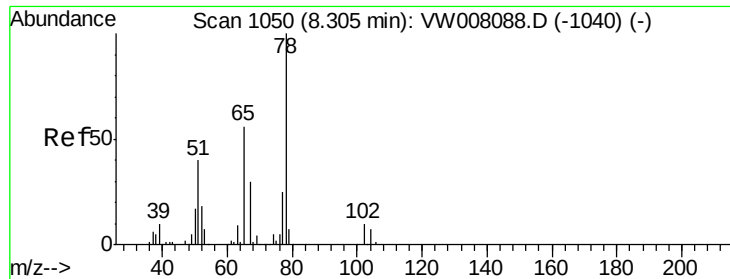
Tgt Ion: 42 Resp: 224
Ion Ratio Lower Upper
42 100
72 8.5 32.4 48.6#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008232.D
Acq: 12 Jan 2019 10:14

Tgt Ion: 56 Resp: 2179
Ion Ratio Lower Upper
56 100
69 161.6 26.2 39.4#
84 146.8 67.4 101.2#

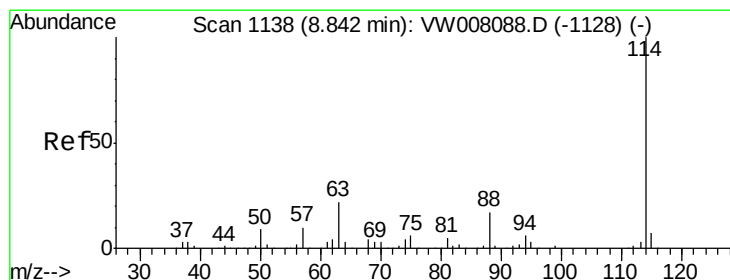
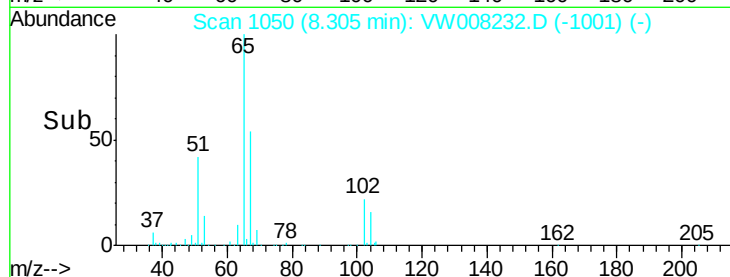
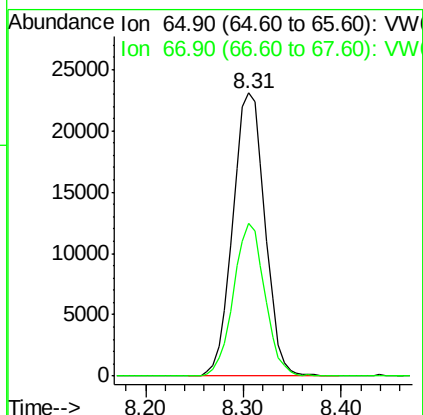
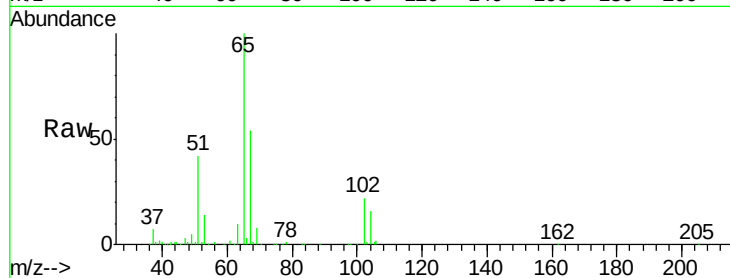




#33
 1,2-Dichloroethane-d4
 Concen: 55.662 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008232.D
 Acq: 12 Jan 2019 10:14

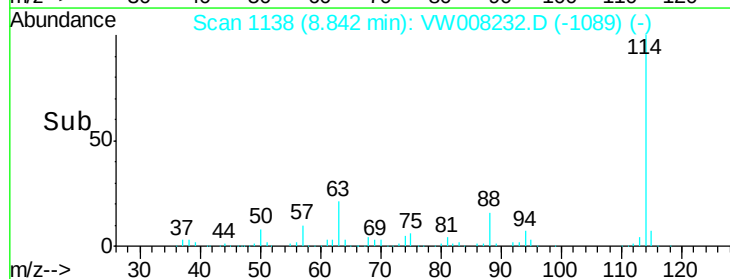
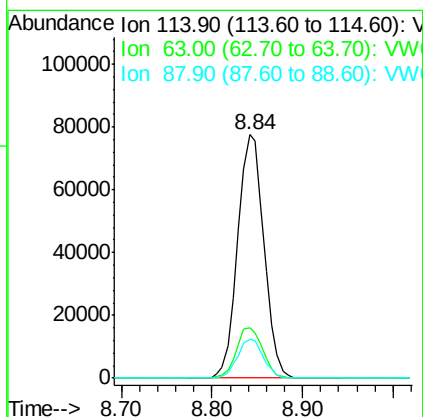
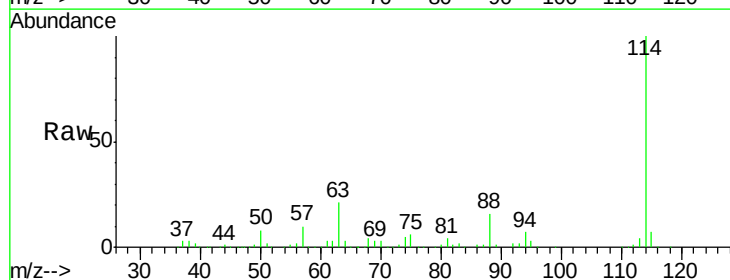
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5I(15.5-16)

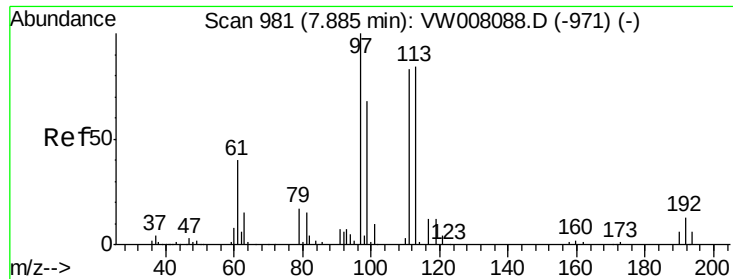
Tgt Ion: 65 Resp: 52664
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008232.D
 Acq: 12 Jan 2019 10:14

Tgt Ion: 114 Resp: 156618
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.4
 88 16.0 0.0 33.4

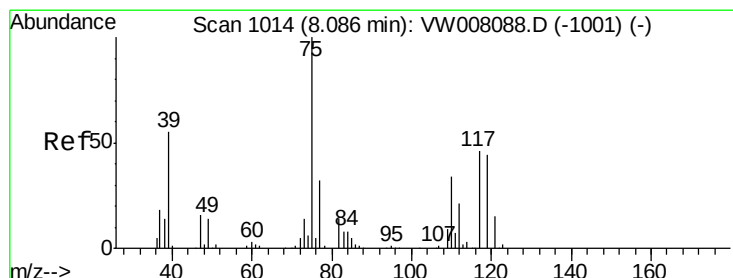
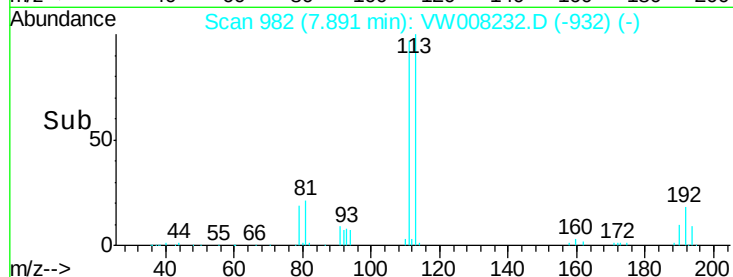
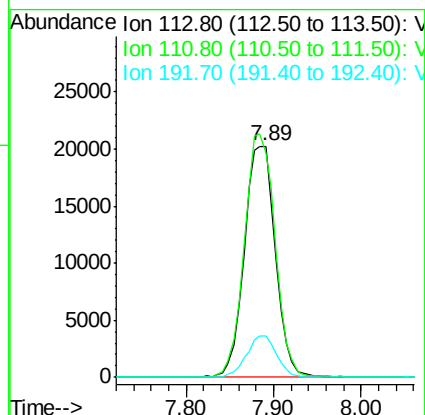
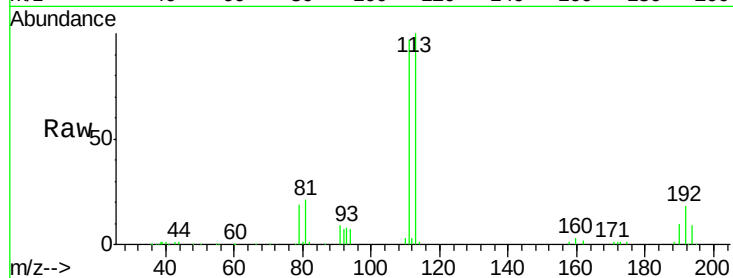




#35
 Dibromofluoromethane
 Concen: 54.415 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW008232.D
 Acq: 12 Jan 2019 10:14

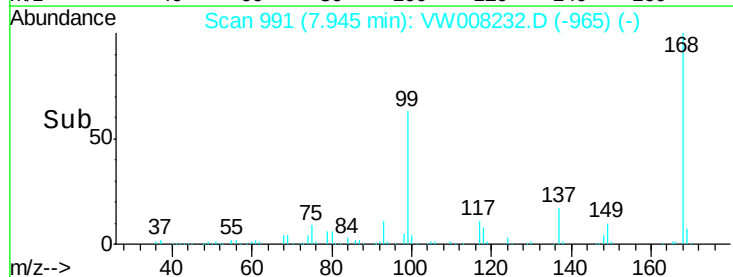
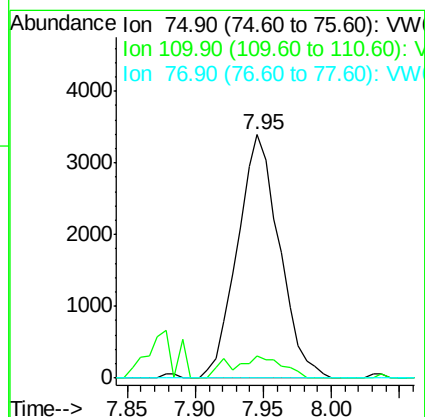
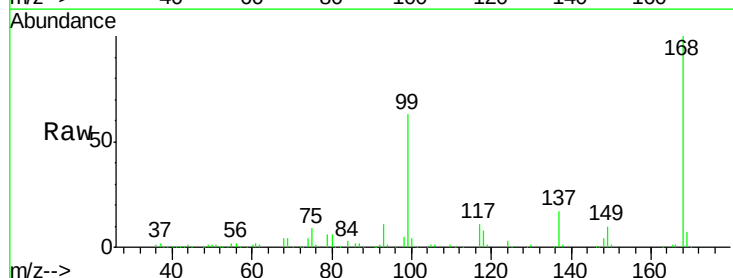
Instrument :
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 SB-5I(15.5-16)

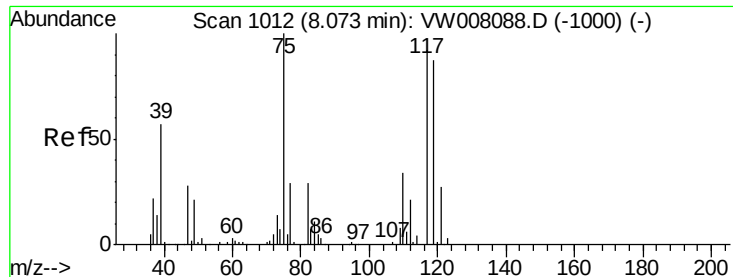
Tgt Ion:113 Resp: 49706
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.8 122.8
 192 17.5 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.526 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008232.D
 Acq: 12 Jan 2019 10:14

Tgt Ion: 75 Resp: 7302
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.1 51.3#
 77 0.0 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.113 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008232.D

Acq: 12 Jan 2019 10:14

Instrument :

MSVOA_W

ClientSampleId :

SB-5I(15.5-16)

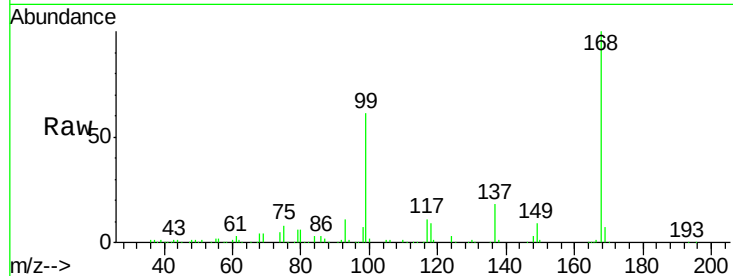
Tgt Ion:117 Resp: 9027

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

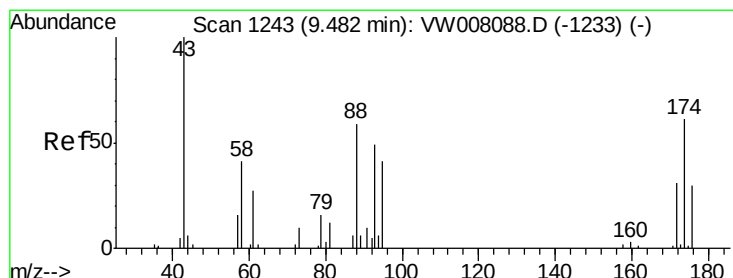
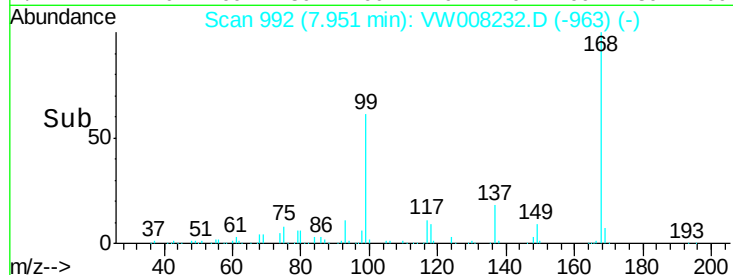
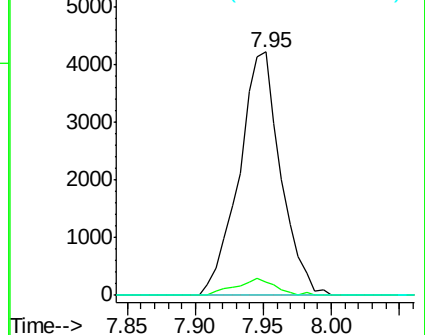
121 0.0 23.7 35.5#



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



#49

1,4-Dioxane

Concen: 2.451 ug/l

RT: 9.54 min Scan# 1252

Delta R.T. 0.05 min

Lab File: VW008232.D

Acq: 12 Jan 2019 10:14

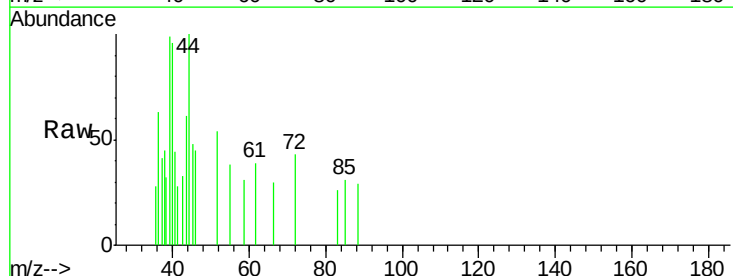
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

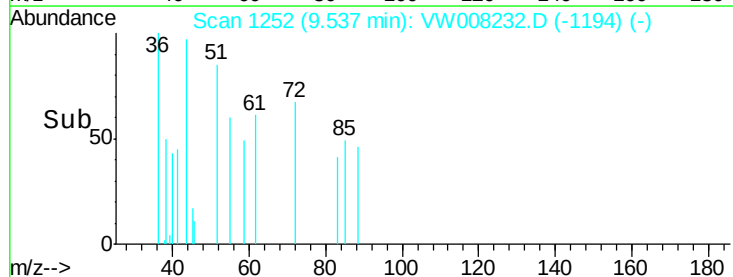
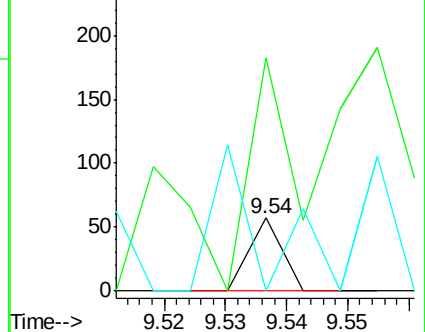
58 200.0 61.7 92.5#

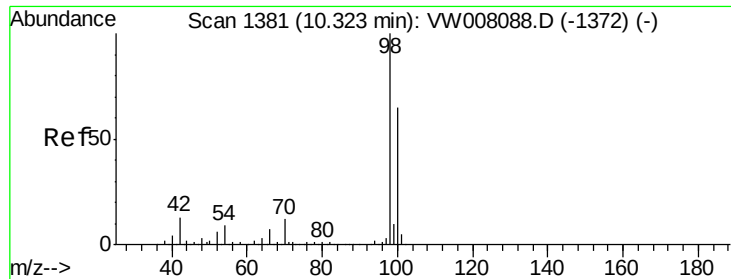


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

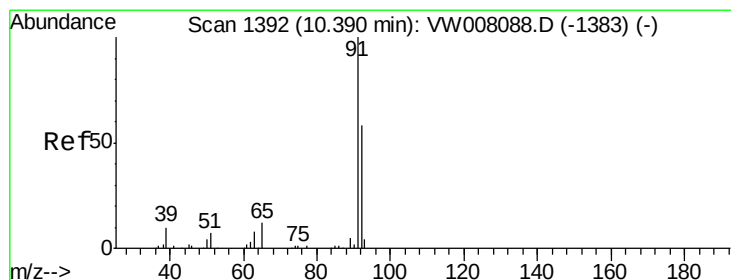
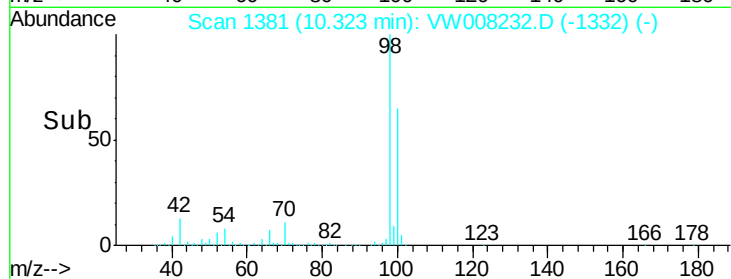
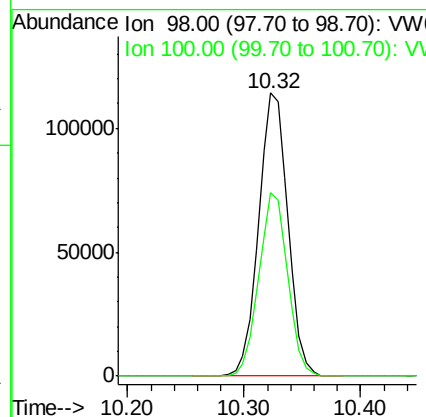
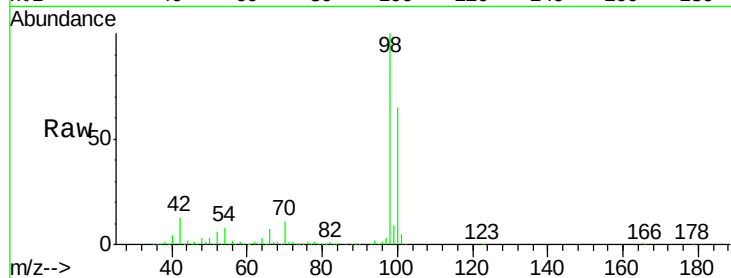




#50
Toluene-d8
Concen: 52.330 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008232.D
Acq: 12 Jan 2019 10:14

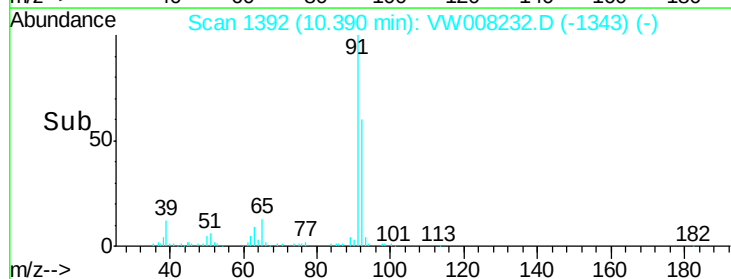
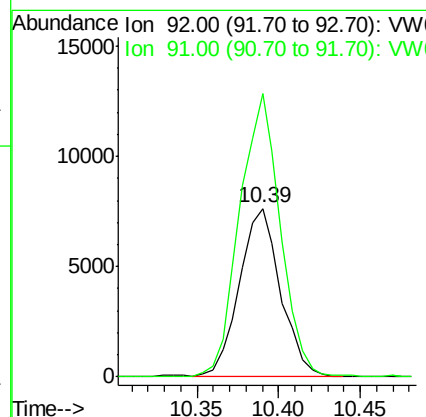
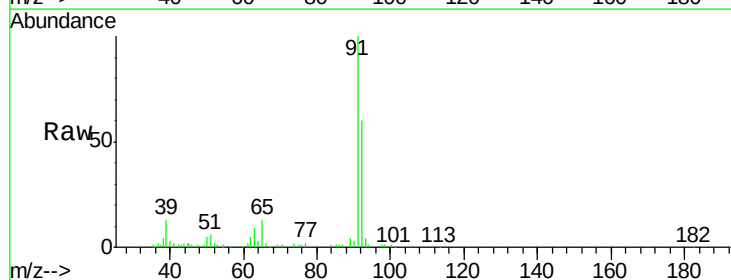
Instrument :
MSVOA_W
ClientSampleId :
SB-5I(15.5-16)

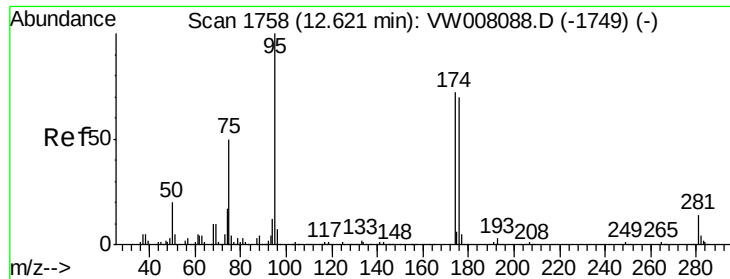
Tgt Ion: 98 Resp: 200591
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#52
Toluene
Concen: 4.795 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008232.D
Acq: 12 Jan 2019 10:14

Tgt Ion: 92 Resp: 13399
Ion Ratio Lower Upper
92 100
91 166.2 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 46.931 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008232.D

Acq: 12 Jan 2019 10:14

Instrument :

MSVOA_W

ClientSampleId :

SB-5I(15.5-16)

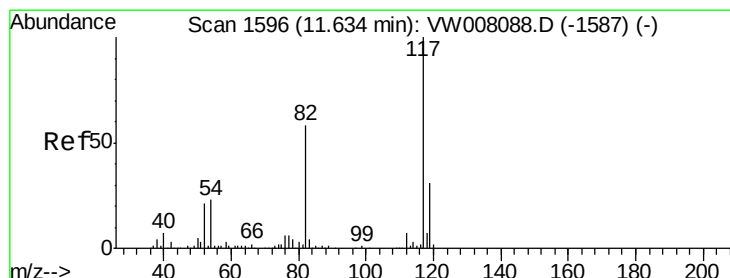
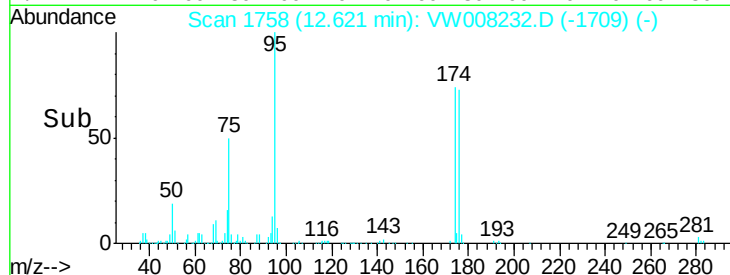
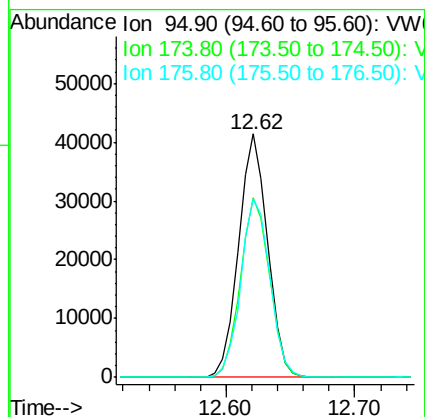
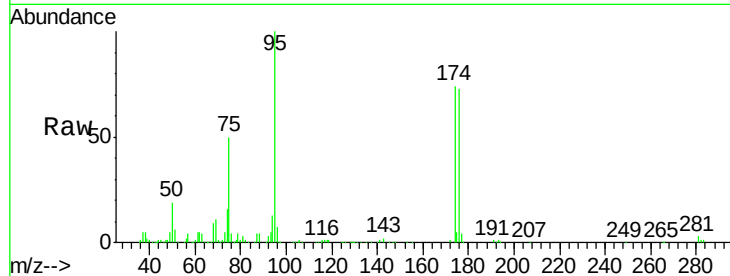
Tgt Ion: 95 Resp: 64492

Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.0

176 73.7 0.0 140.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008232.D

Acq: 12 Jan 2019 10:14

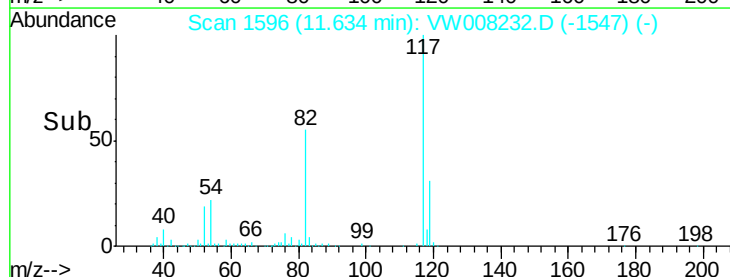
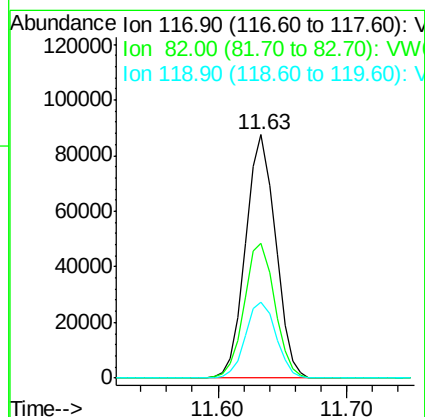
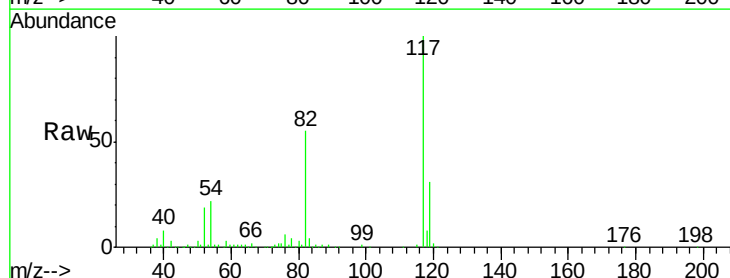
Tgt Ion: 117 Resp: 141108

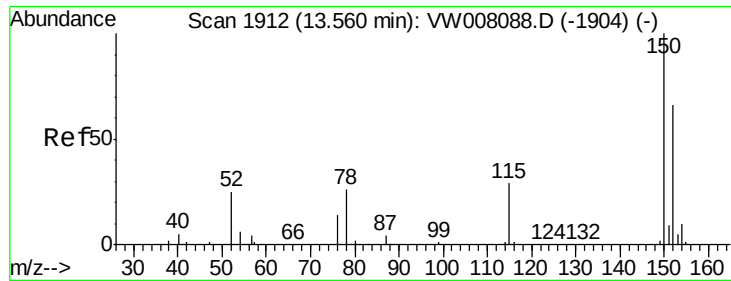
Ion Ratio Lower Upper

117 100

82 55.3 46.4 69.6

119 31.0 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008232.D

Acq: 12 Jan 2019 10:14

Instrument :

MSVOA_W

ClientSampleId :

SB-5I(15.5-16)

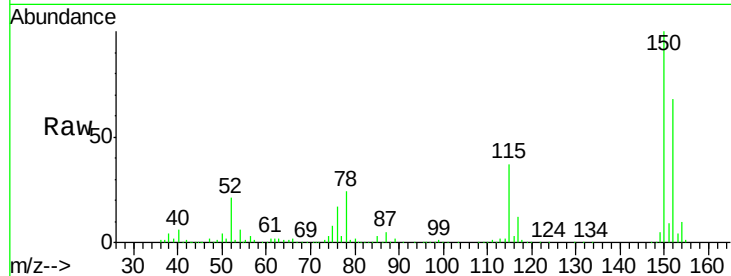
Tgt Ion:152 Resp: 62516

Ion Ratio Lower Upper

152 100

115 60.2 30.8 92.4

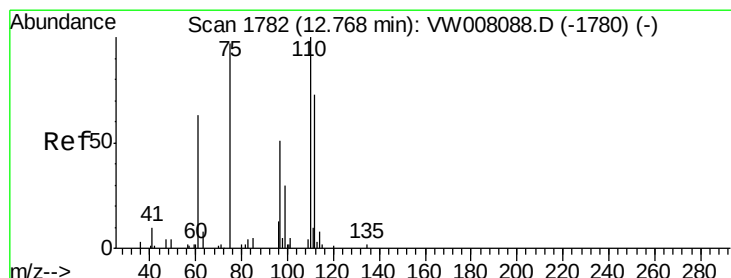
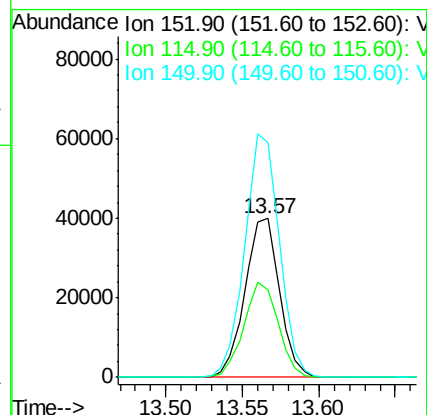
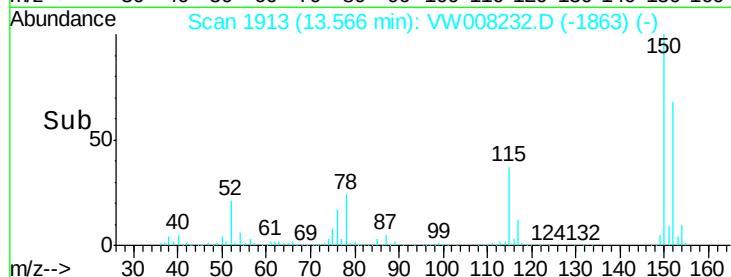
150 154.1 0.0 350.2



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: 56.892 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008232.D

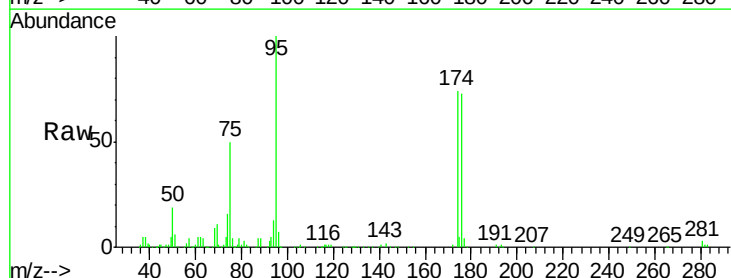
Acq: 12 Jan 2019 10:14

Tgt Ion: 75 Resp: 32423

Ion Ratio Lower Upper

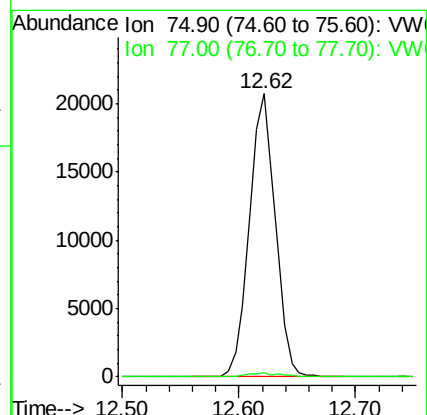
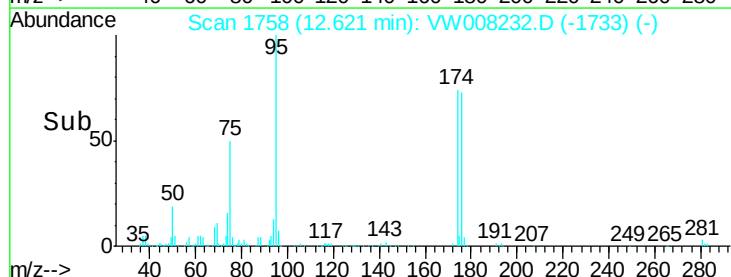
75 100

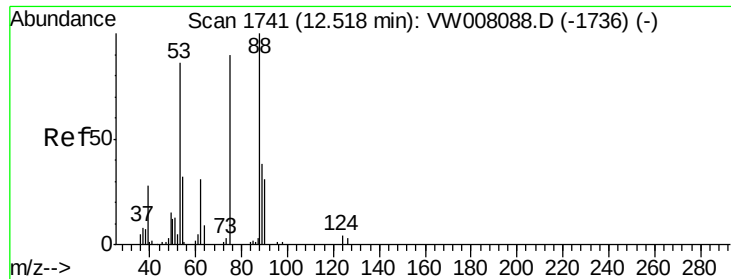
77 2.0 179.4 538.2#



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: 132.485 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008232.D

Acq: 12 Jan 2019 10:14

Instrument :

MSVOA_W

ClientSampleId :

SB-5I(15.5-16)

Tgt Ion: 75 Resp: 32423

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 35.4 53.2#

