

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011119\
 Data File : VW008235.D
 Acq On : 12 Jan 2019 11:34
 Operator : SY/VA
 Sample : K1122-11
 Misc : 5.44G/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8I(16-16.5)

Quant Time: Jan 14 11:05:10 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

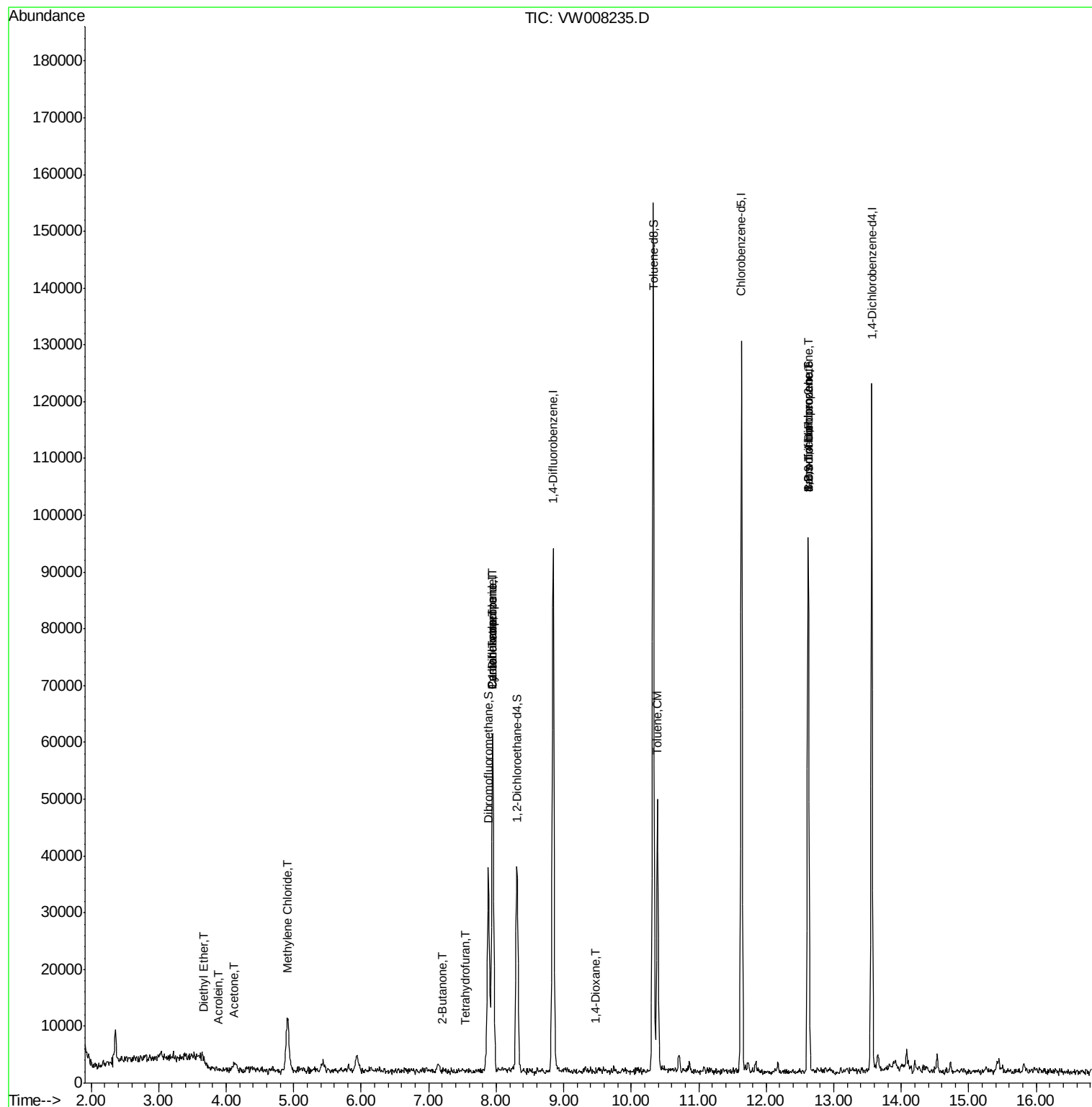
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	41636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	75776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	70162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	28574	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	26927	57.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.08%	
35) Dibromofluoromethane	7.88	113	25112	56.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.64%	
50) Toluene-d8	10.32	98	100273	54.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.62	95	30324	45.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.22%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	702	2.655	ug/l #	31
11) Tert butyl alcohol	5.26	59	31	Below Cal	#	100
13) Acrolein	3.89	56	145	3.177	ug/l	98
16) Acetone	4.12	43	3173	18.104	ug/l #	84
20) Methylene Chloride	4.90	84	6666	10.688	ug/l	90
25) 2-Butanone	7.20	43	195	1.498	ug/l #	49
29) Tetrahydrofuran	7.54	42	105	1.207	ug/l #	35
31) Cyclohexane	7.94	56	1342	1.363	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	3890	4.984	ug/l #	52
38) Carbon Tetrachloride	7.95	117	4615	6.460	ug/l #	15
49) 1,4-Dioxane	9.48	88	26	6.271	ug/l #	1
52) Toluene	10.39	92	20337	15.041	ug/l	98
71) Bromoform	12.62	173	279	1.289	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	16103	61.820	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	16103	143.959	ug/l #	11

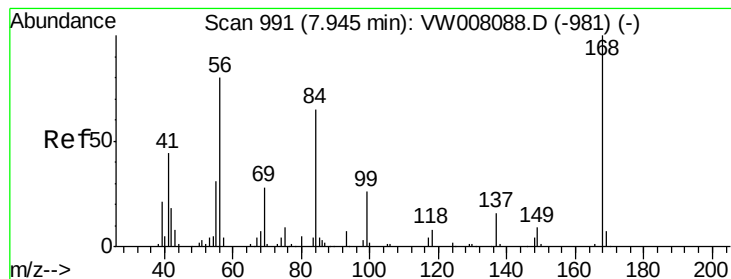
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW008235.D

Acq: 12 Jan 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

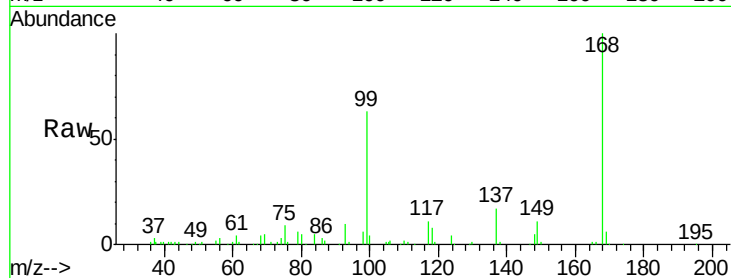
SB-8I(16-16.5)

Tgt Ion:168 Resp: 41636

Ion Ratio Lower Upper

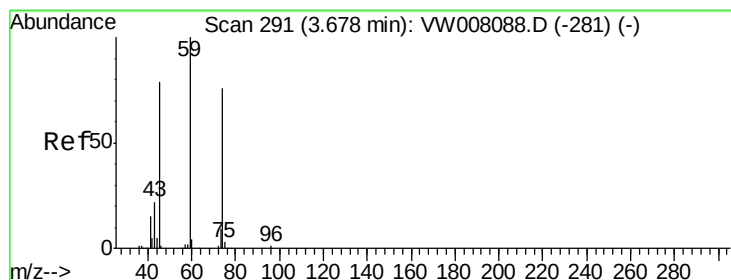
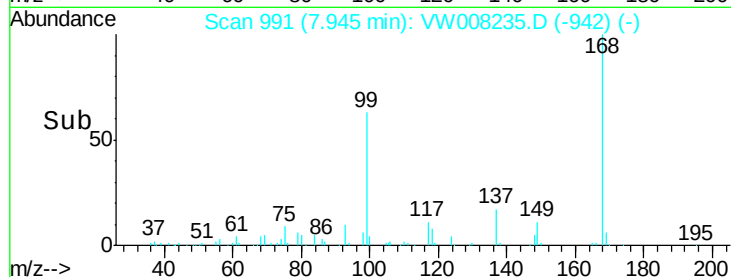
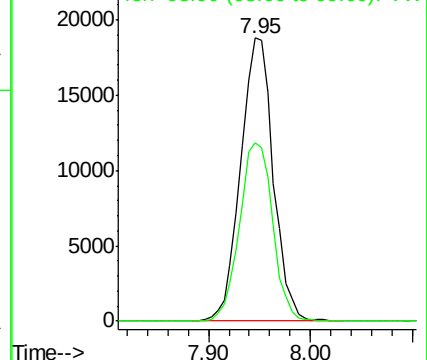
168 100

99 63.1 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: 2.655 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW008235.D

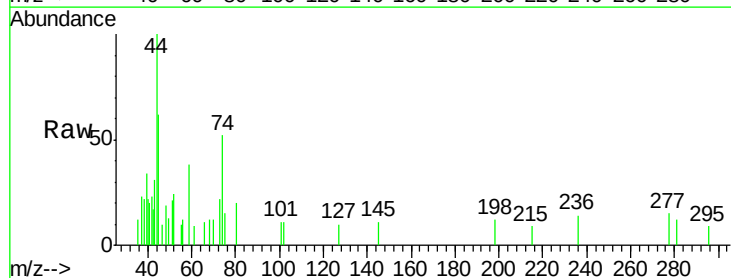
Acq: 12 Jan 2019 11:34

Tgt Ion: 74 Resp: 702

Ion Ratio Lower Upper

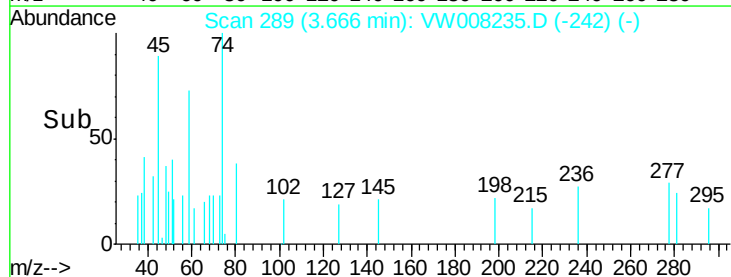
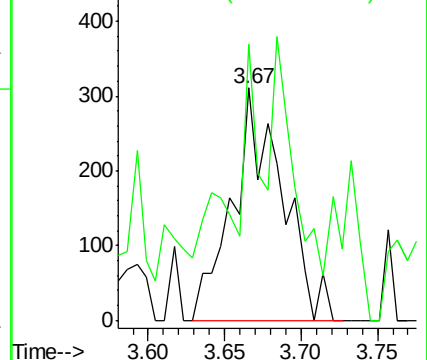
74 100

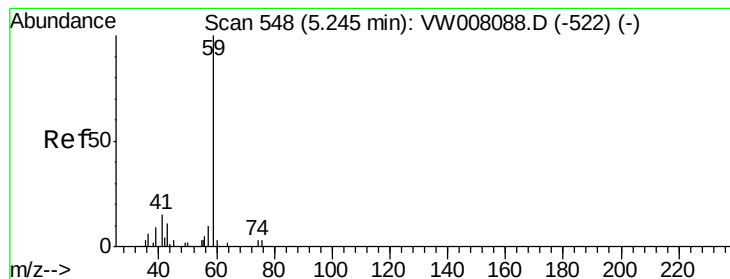
45 34.5 52.4 157.3#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



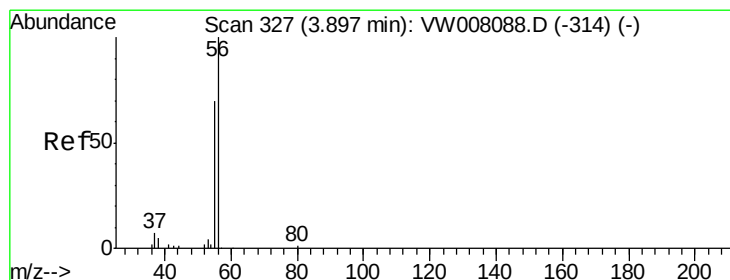
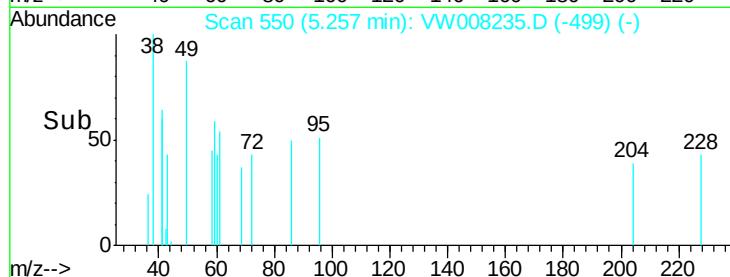
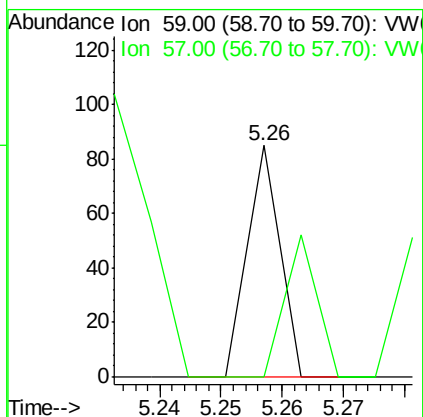
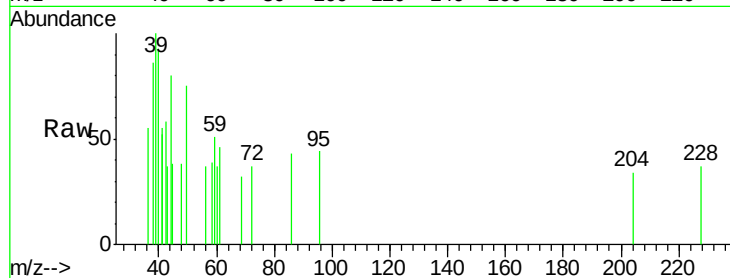


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 550
Delta R.T. 0.01 min
Lab File: VW008235.D
Acq: 12 Jan 2019 11:34

Instrument :
MSVOA_W
ClientSampled :
SB-8I(16-16.5)

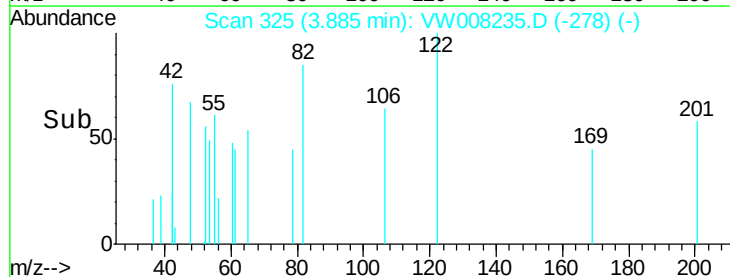
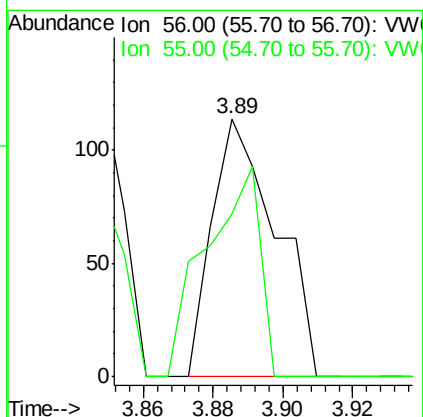
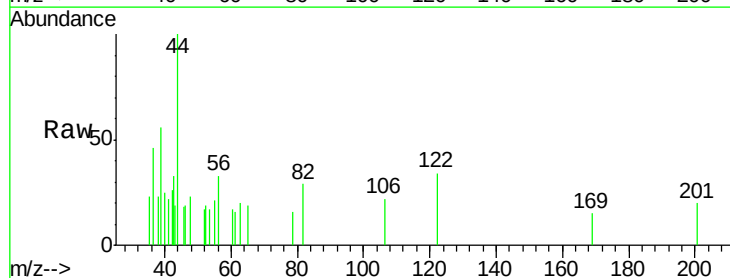
Tgt Ion: 59 Resp: 31
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

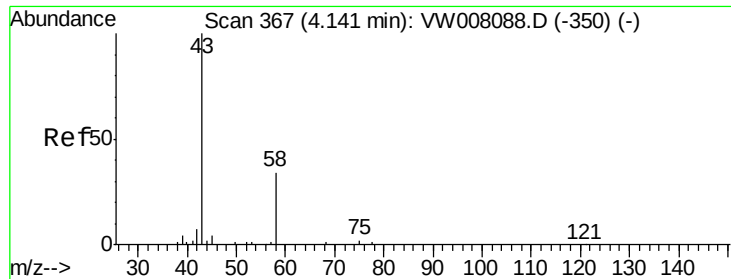


#13

Acrolein
Concen: 3.177 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW008235.D
Acq: 12 Jan 2019 11:34

Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 69.0 56.6 84.8

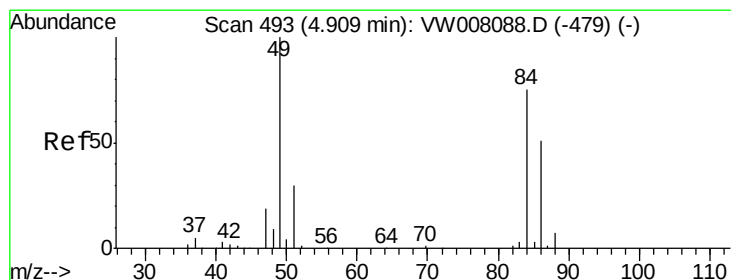
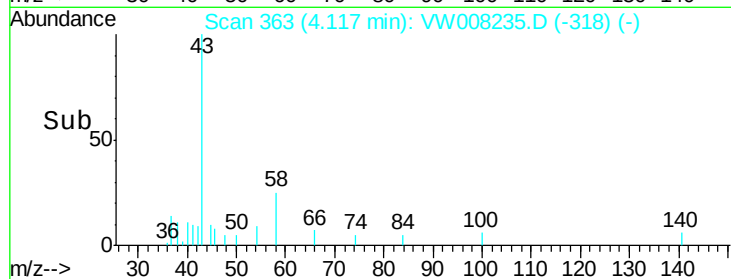
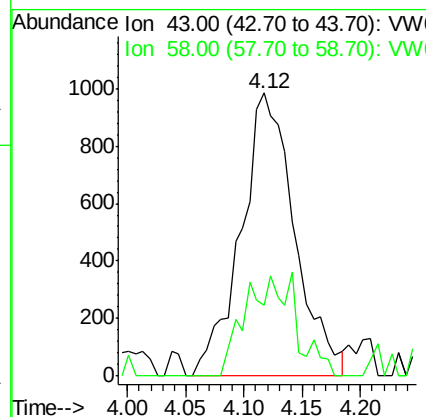
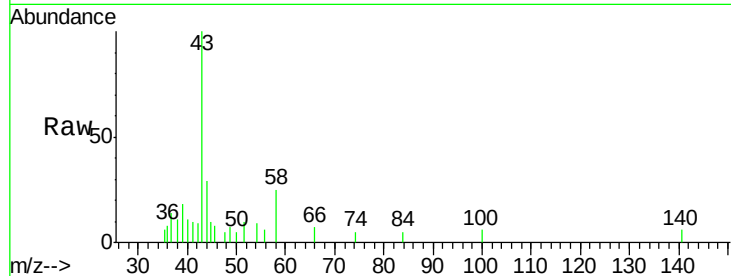




#16
Acetone
Concen: 18.104 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.02 min
Lab File: VW008235.D
Acq: 12 Jan 2019 11:34

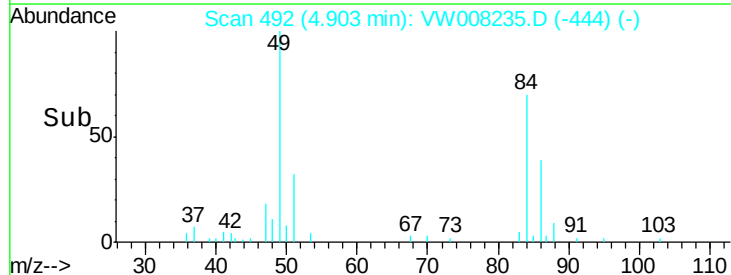
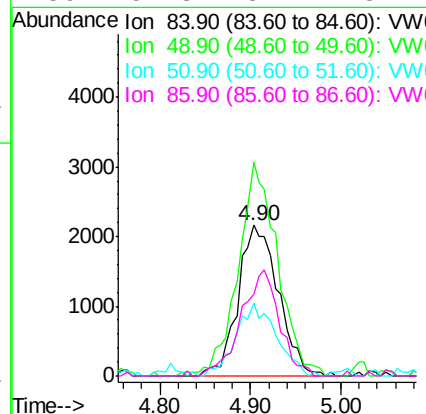
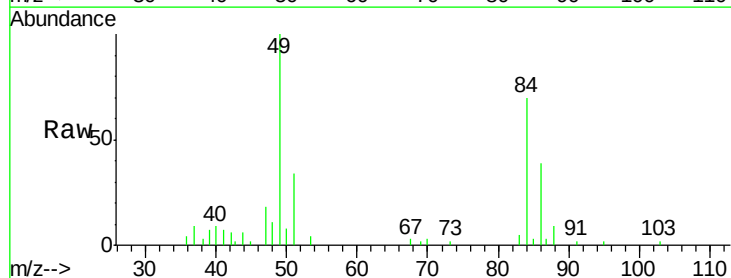
Instrument :
MSVOA_W
ClientSampleId :
SB-8I(16-16.5)

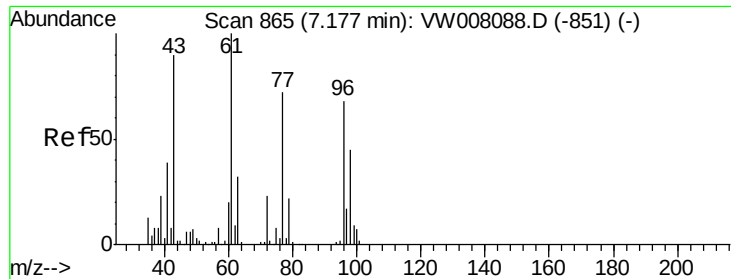
Tgt Ion: 43 Resp: 3173
Ion Ratio Lower Upper
43 100
58 25.0 27.5 41.3#



#20
Methylene Chloride
Concen: 10.688 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008235.D
Acq: 12 Jan 2019 11:34

Tgt Ion: 84 Resp: 6666
Ion Ratio Lower Upper
84 100
49 141.9 107.1 160.7
51 46.1 32.4 48.6
86 54.8 54.2 81.4





#25

2-Butanone

Concen: 1.498 ug/l

RT: 7.20 min Scan# 869

Delta R.T. 0.02 min

Lab File: VW008235.D

Acq: 12 Jan 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

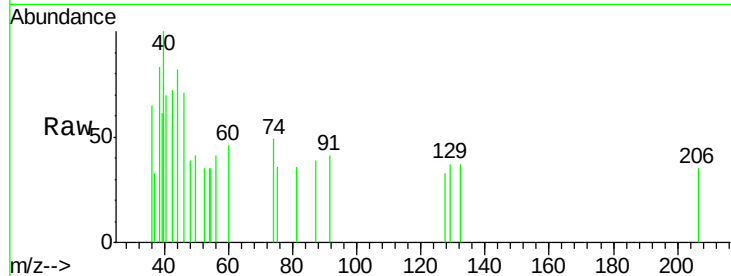
SB-8I(16-16.5)

Tgt Ion: 43 Resp: 195

Ion Ratio Lower Upper

43 100

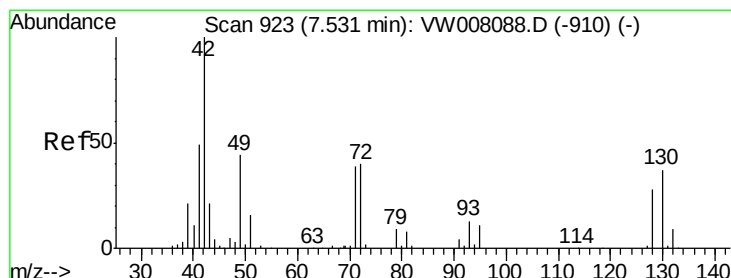
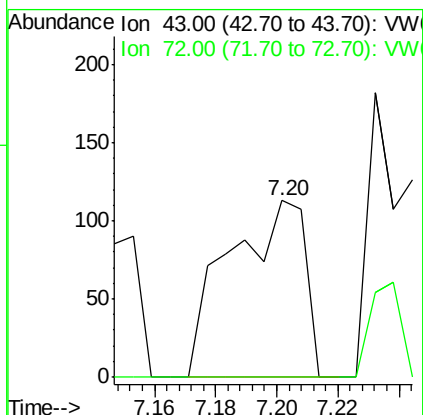
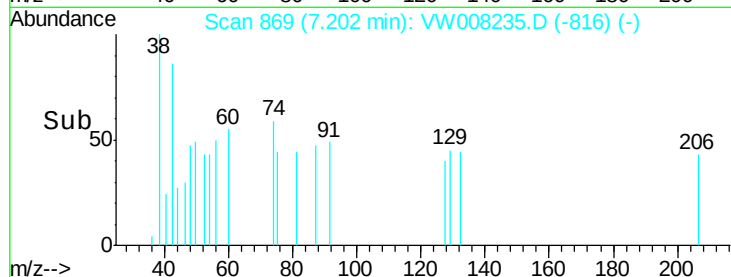
72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

Time-->



#29

Tetrahydrofuran

Concen: 1.207 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008235.D

Acq: 12 Jan 2019 11:34

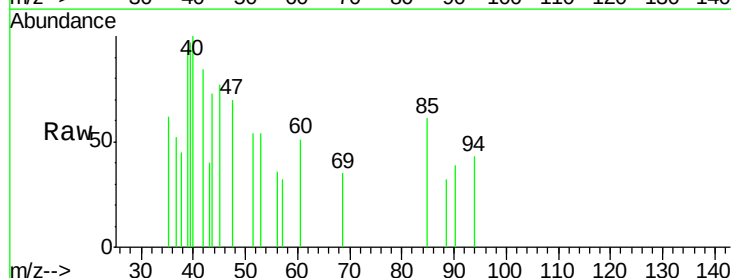
Tgt Ion: 42 Resp: 105

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 0.0 31.3 46.9#

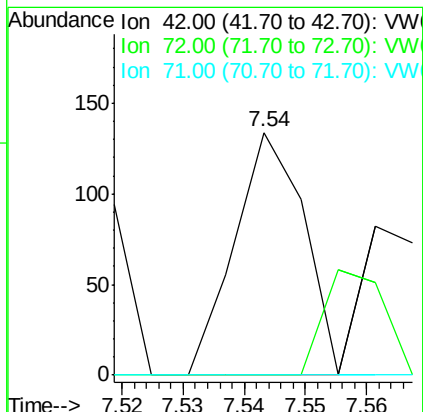
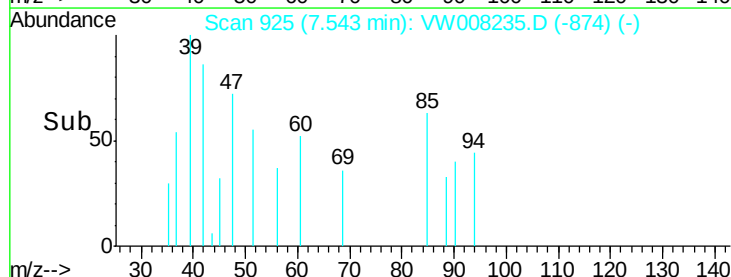


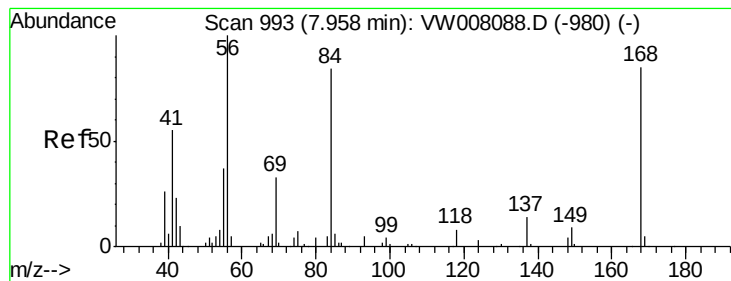
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

Time-->





#31

Cyclohexane

Concen: 1.363 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW008235.D

Acq: 12 Jan 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

SB-8I(16-16.5)

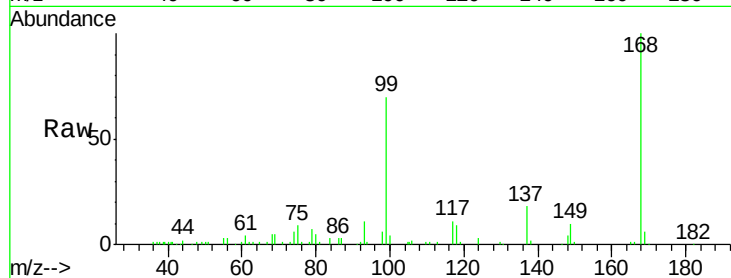
Tgt Ion: 56 Resp: 1342

Ion Ratio Lower Upper

56 100

69 163.7 26.2 39.4#

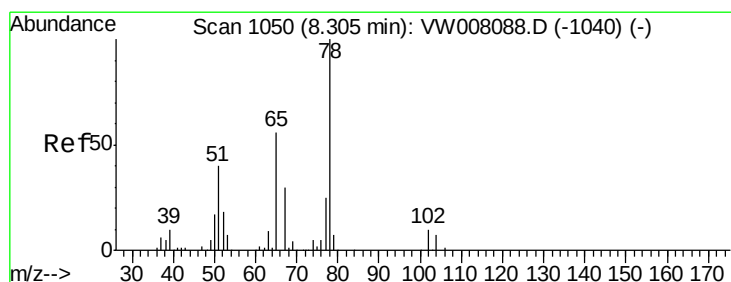
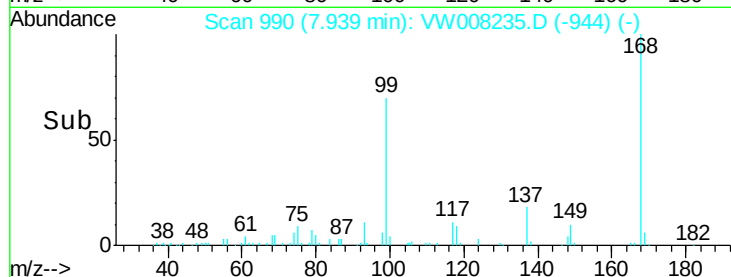
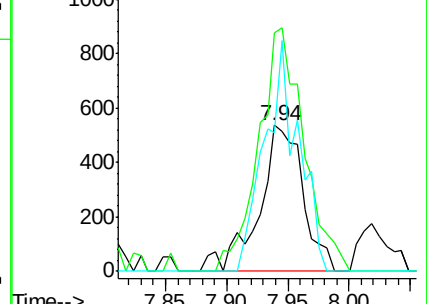
84 94.8 67.4 101.2



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



#33

1,2-Dichloroethane-d4

Concen: 57.542 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008235.D

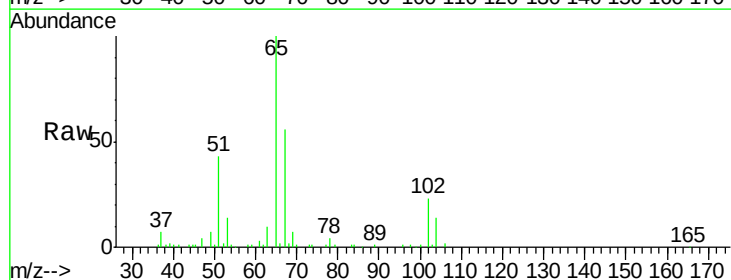
Acq: 12 Jan 2019 11:34

Tgt Ion: 65 Resp: 26927

Ion Ratio Lower Upper

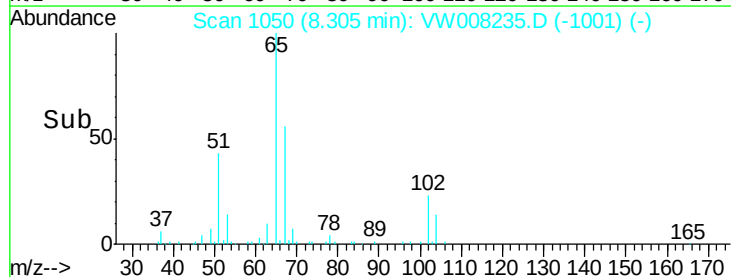
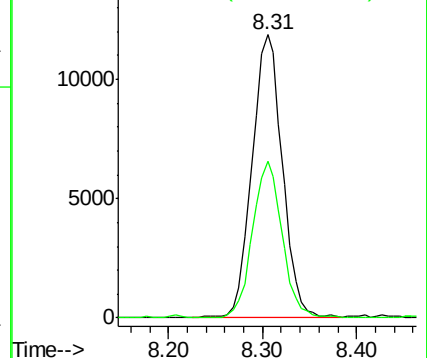
65 100

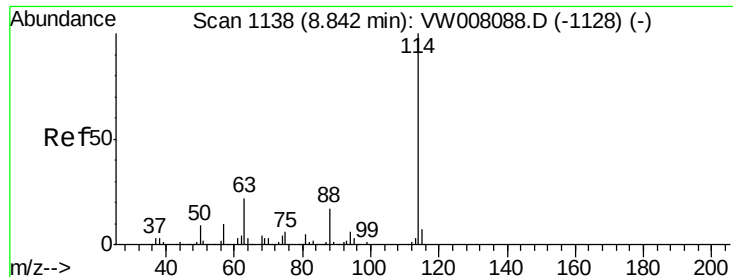
67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

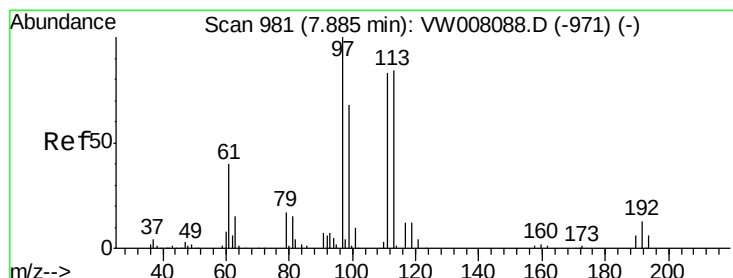
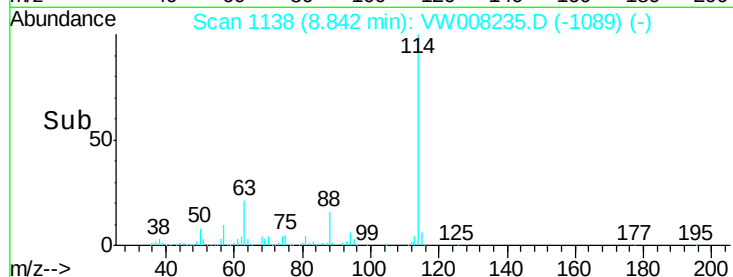
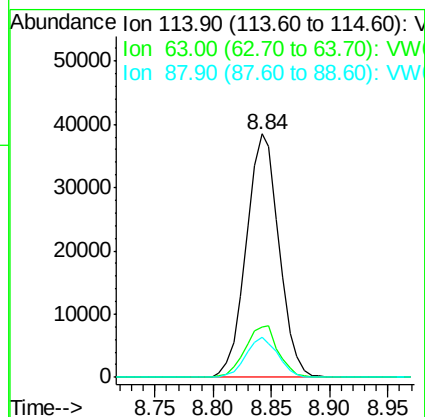
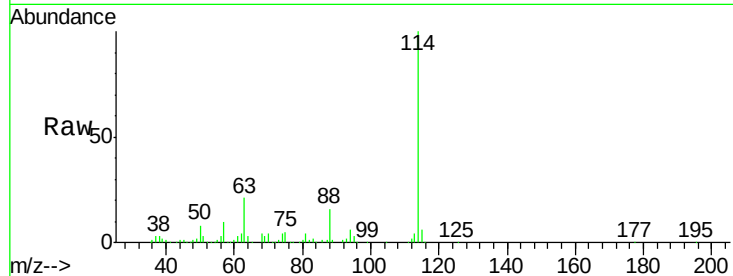




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008235.D
 Acq: 12 Jan 2019 11:34

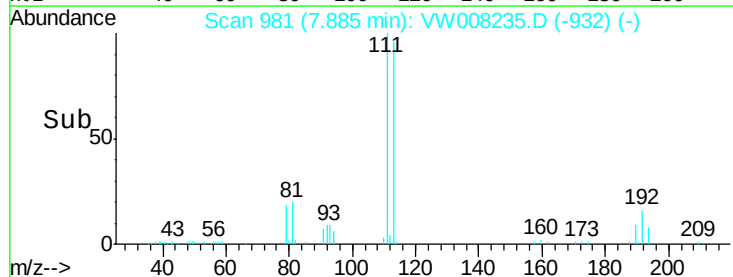
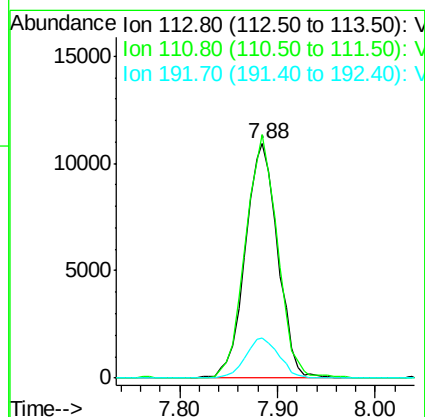
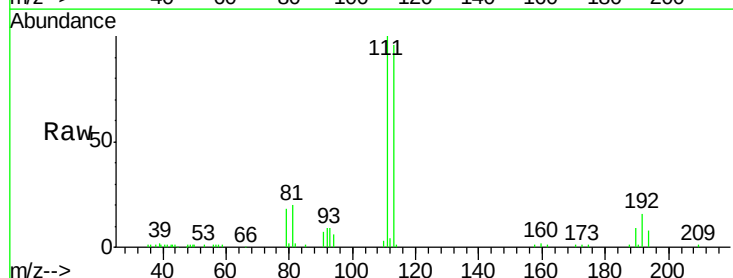
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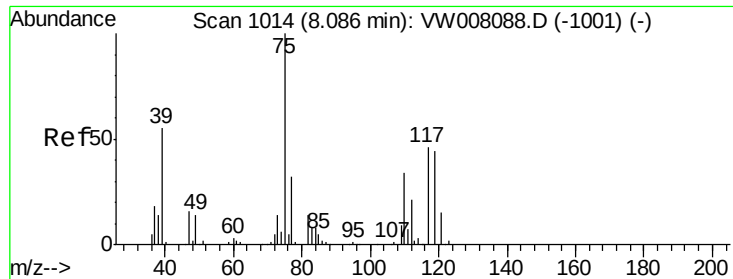
Tgt Ion:114 Resp: 75776
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.4
 88 16.5 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 56.820 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008235.D
 Acq: 12 Jan 2019 11:34

Tgt Ion:113 Resp: 25112
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 17.7 12.8 19.2

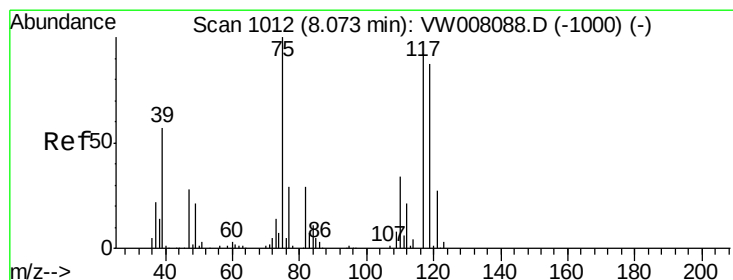
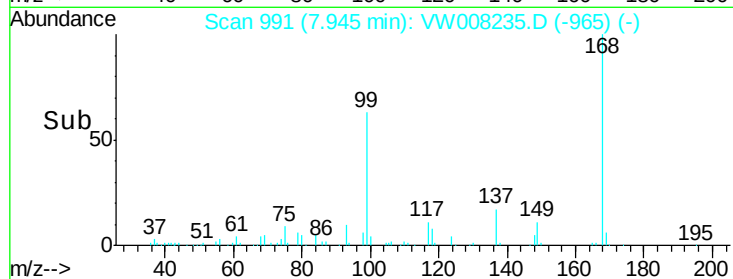
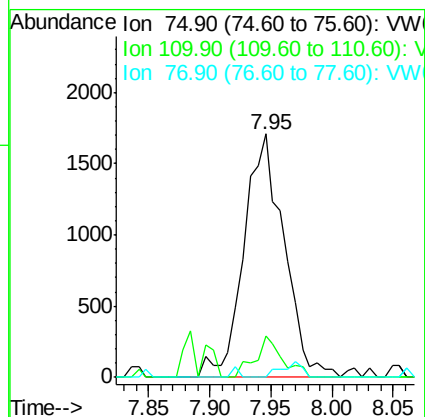
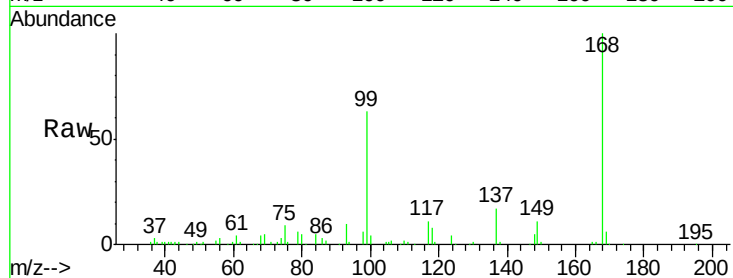




#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008235.D
 Acq: 12 Jan 2019 11:34

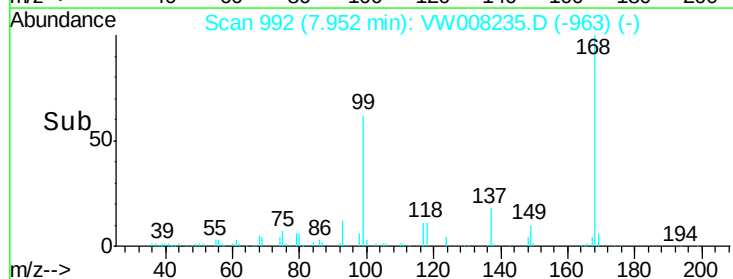
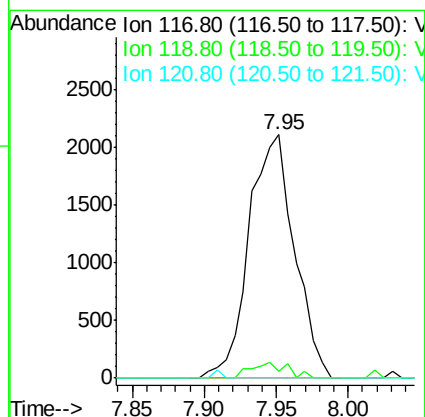
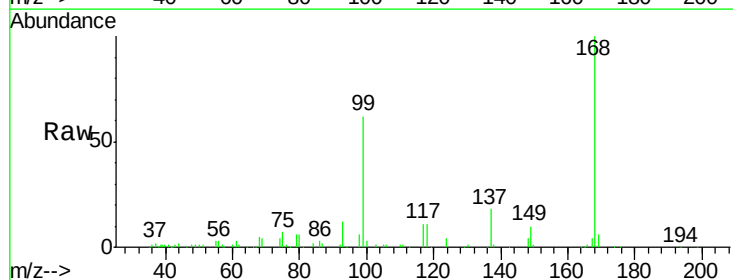
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8I(16-16.5)

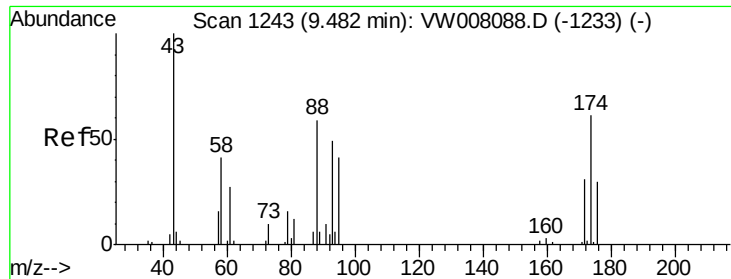
Tgt Ion: 75 Resp: 3890
 Ion Ratio Lower Upper
 75 100
 110 11.6 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.460 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008235.D
 Acq: 12 Jan 2019 11:34

Tgt Ion: 117 Resp: 4615
 Ion Ratio Lower Upper
 117 100
 119 2.8 75.8 113.8#
 121 0.0 23.7 35.5#

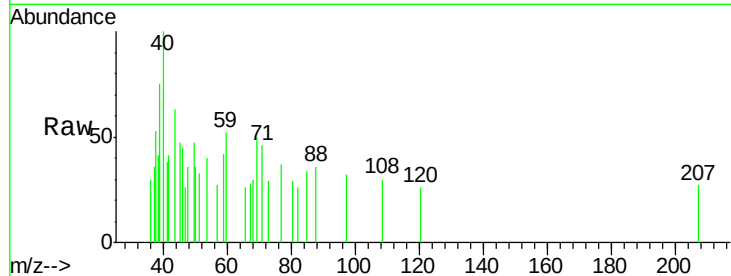




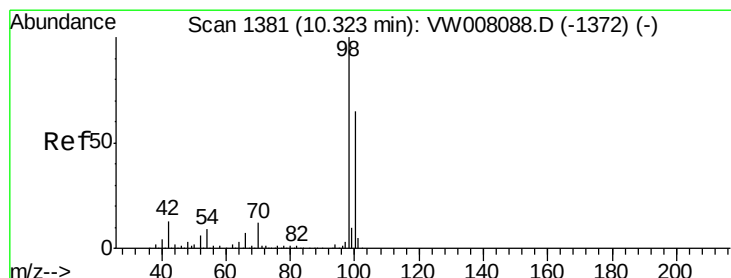
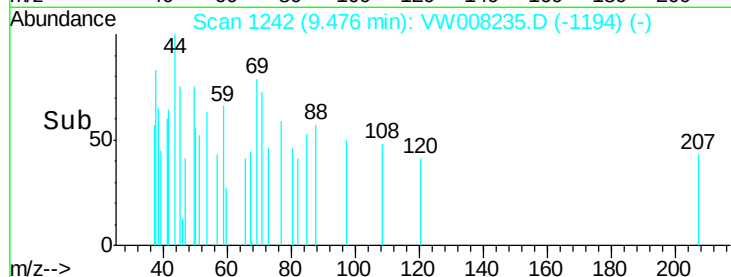
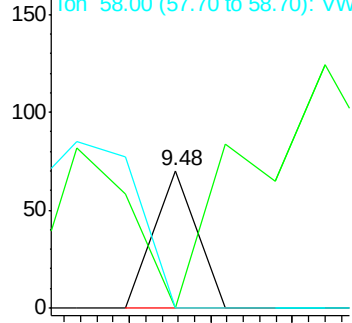
#49
1,4-Dioxane
Concen: 6.271 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW008235.D
Acq: 12 Jan 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
SB-8I(16-16.5)

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 407.7 61.7 92.5#

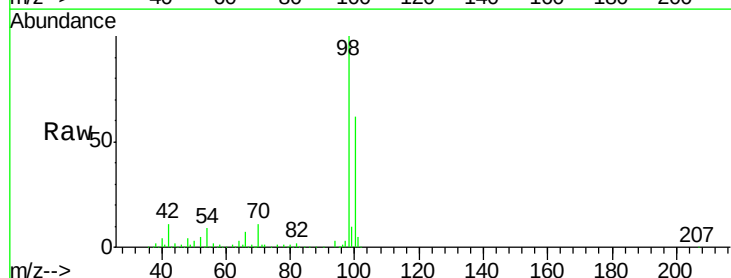


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

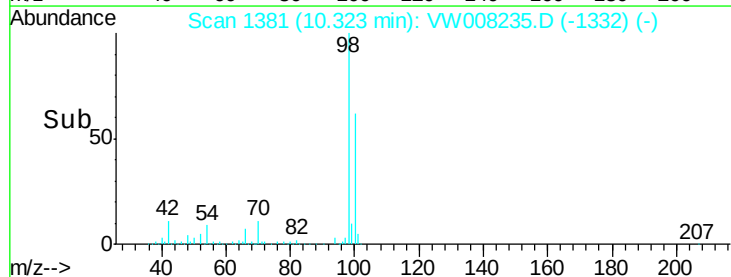
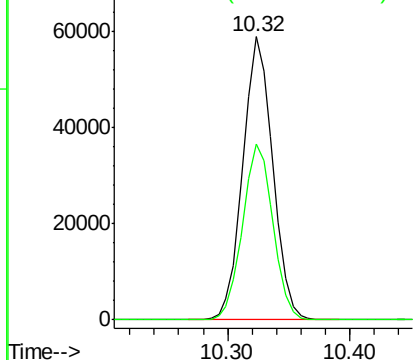


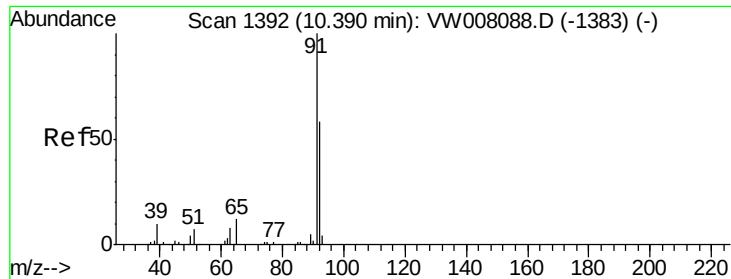
#50
Toluene-d8
Concen: 54.067 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008235.D
Acq: 12 Jan 2019 11:34

Tgt Ion: 98 Resp: 100273
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



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





#52

Toluene

Concen: 15.041 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008235.D

Acq: 12 Jan 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

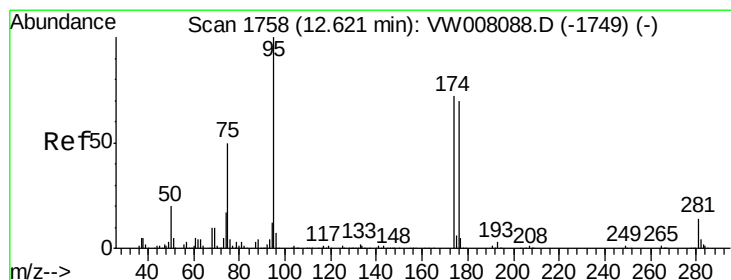
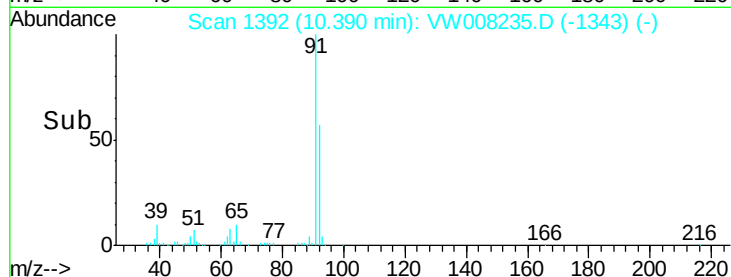
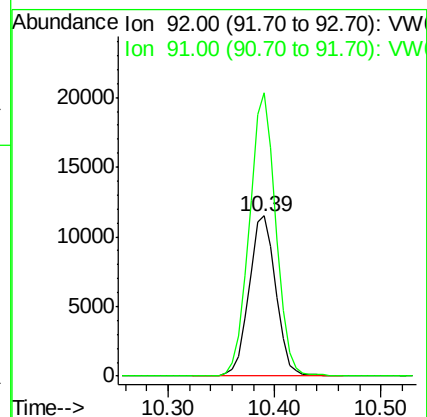
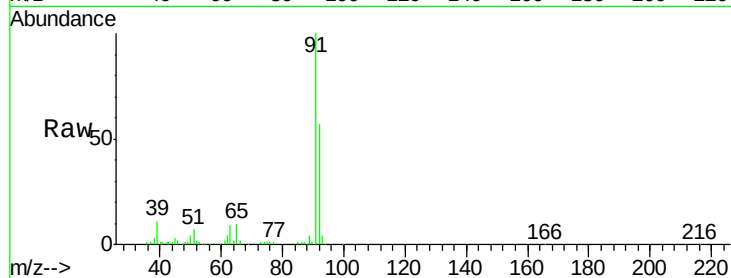
SB-8I(16-16.5)

Tgt Ion: 92 Resp: 20337

Ion Ratio Lower Upper

92 100

91 174.4 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 45.609 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008235.D

Acq: 12 Jan 2019 11:34

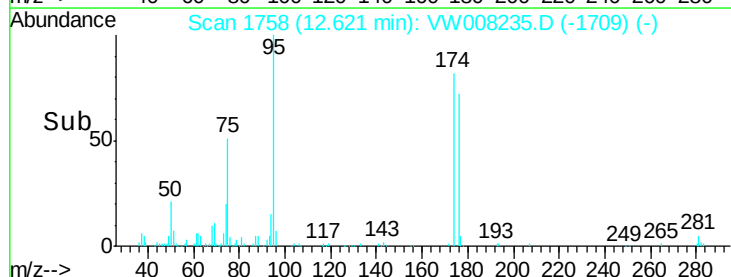
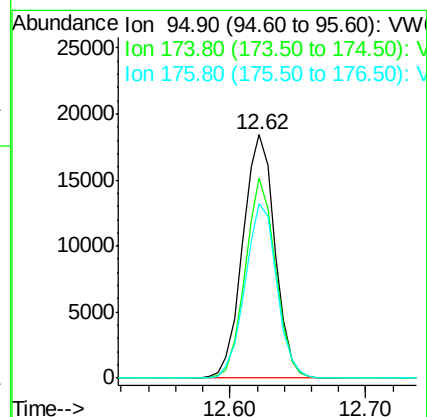
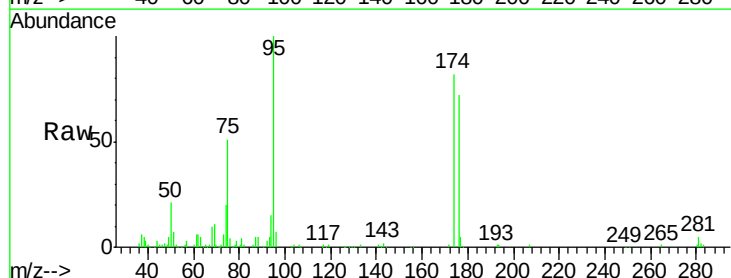
Tgt Ion: 95 Resp: 30324

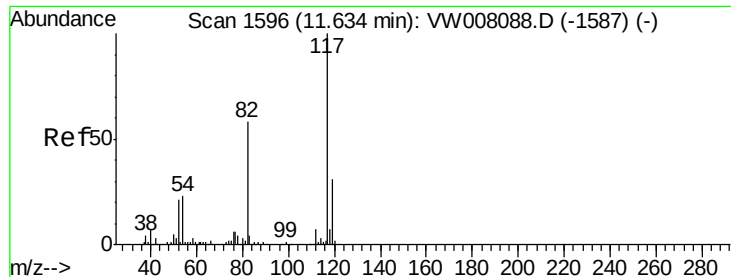
Ion Ratio Lower Upper

95 100

174 77.6 0.0 143.0

176 70.9 0.0 140.2

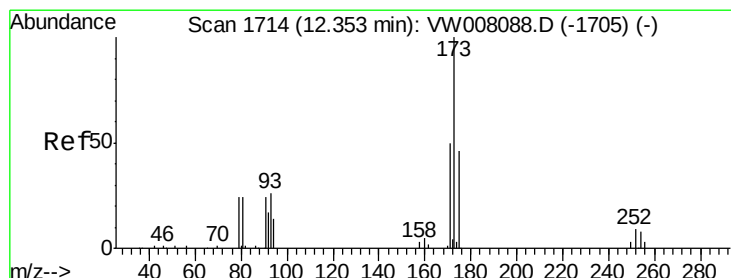
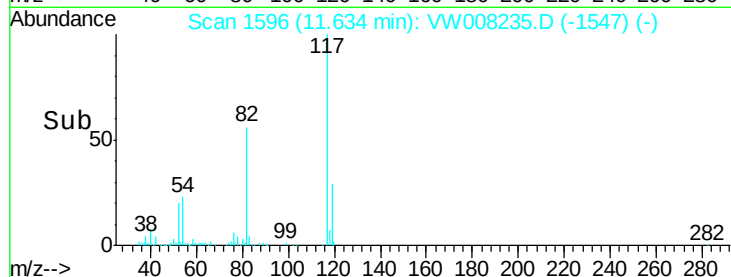
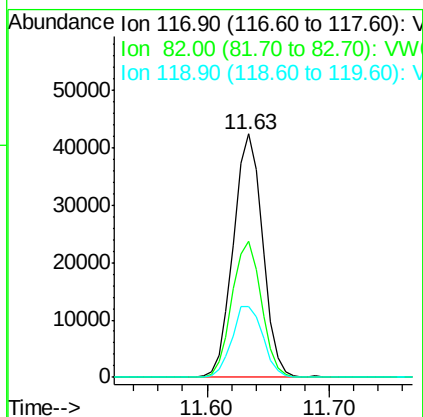
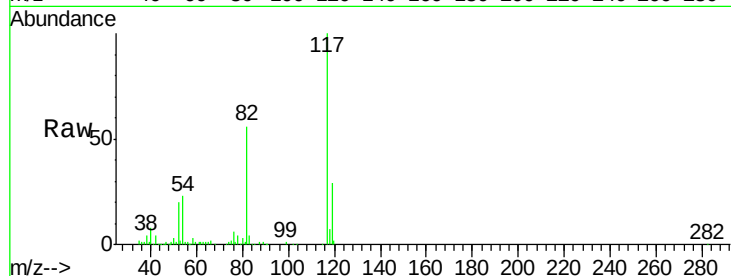




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008235.D
Acq: 12 Jan 2019 11:34

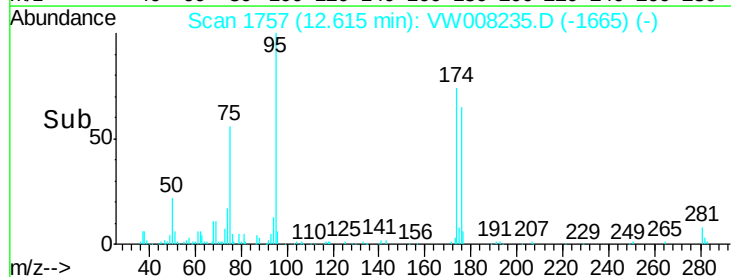
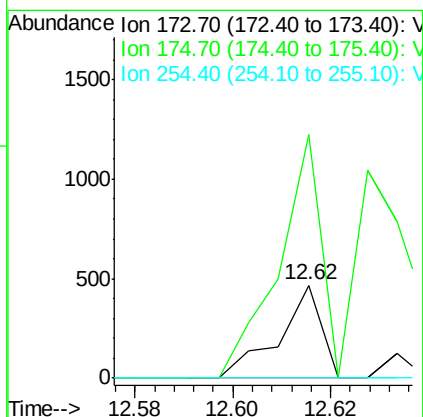
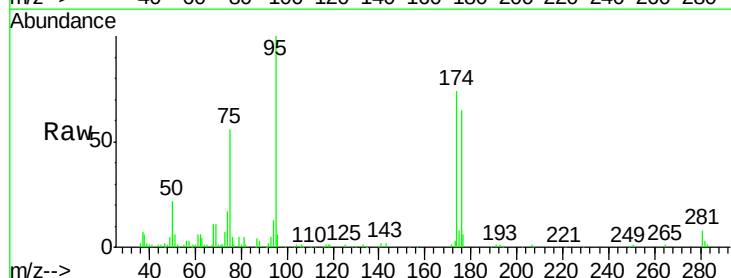
Instrument :
MSVOA_W
ClientSampleId :
SB-8I(16-16.5)

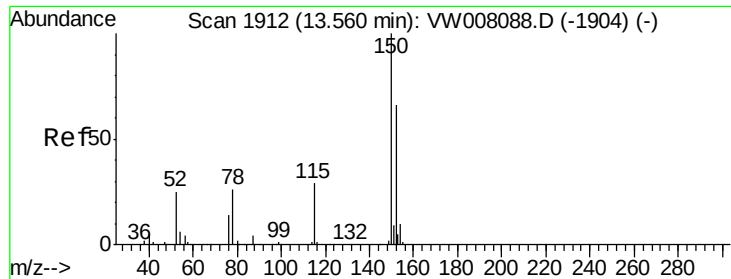
Tgt Ion:117 Resp: 70162
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 29.0 24.7 37.1



#71
Bromoform
Concen: 1.289 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.26 min
Lab File: VW008235.D
Acq: 12 Jan 2019 11:34

Tgt Ion:173 Resp: 279
Ion Ratio Lower Upper
173 100
175 262.0 23.3 69.8#
254 0.0 0.0 0.0

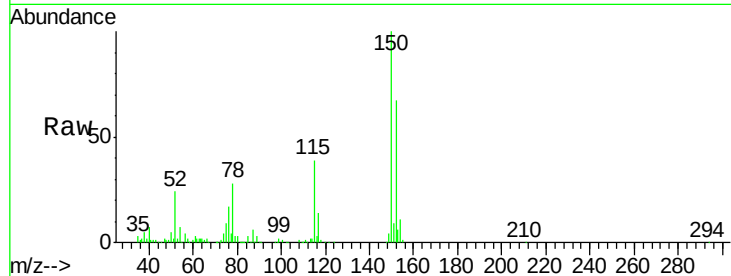




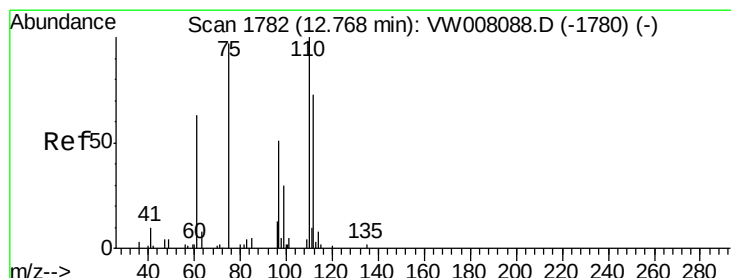
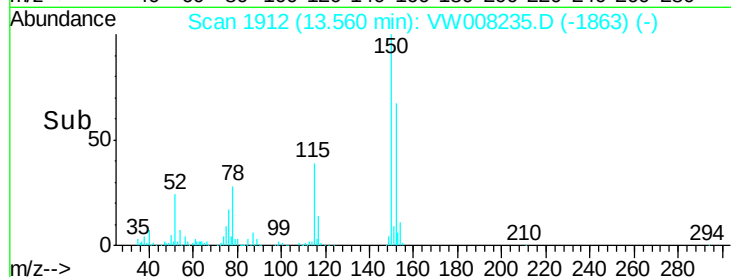
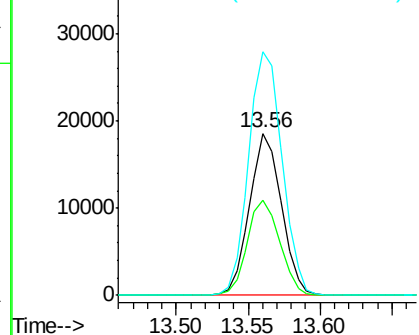
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008235.D
 Acq: 12 Jan 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8I(16-16.5)

Tgt Ion:152 Resp: 28574
 Ion Ratio Lower Upper
 152 100
 115 59.7 30.8 92.4
 150 157.0 0.0 350.2

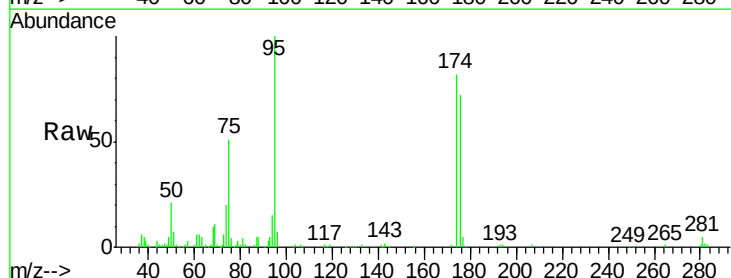


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

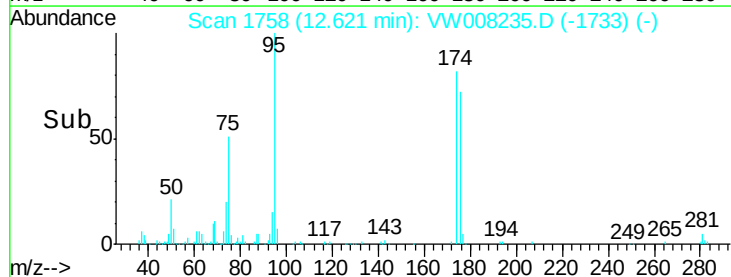
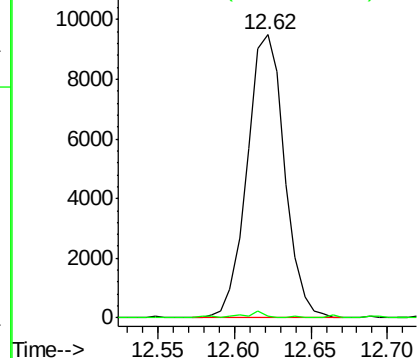


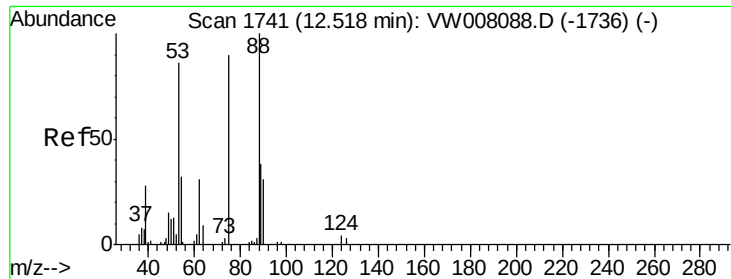
#76
 1,2,3-Trichloropropane
 Concen: 61.820 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008235.D
 Acq: 12 Jan 2019 11:34

Tgt Ion: 75 Resp: 16103
 Ion Ratio Lower Upper
 75 100
 77 1.2 179.4 538.2#



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: 143.959 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008235.D

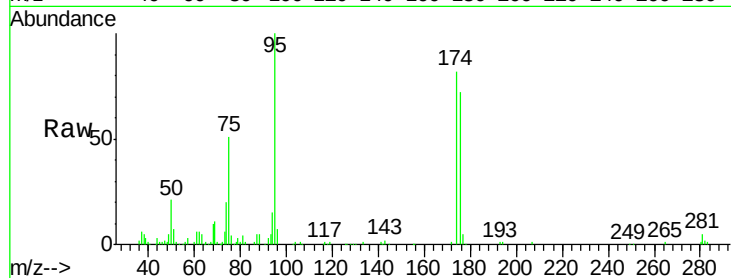
Acq: 12 Jan 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

SB-8I(16-16.5)



Tgt Ion: 75 Resp: 16103

Ion Ratio Lower Upper

75 100

53 1.3 78.8 118.2#

89 0.0 35.4 53.2#

