

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011119\
 Data File : VW008231.D
 Acq On : 12 Jan 2019 09:48
 Operator : SY/VA
 Sample : K1122-05
 Misc : 7.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4I(4-4.5)

Quant Time: Jan 14 10:51:50 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	74160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	136257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	48778	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	45725	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
35) Dibromofluoromethane	7.88	113	42904	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
50) Toluene-d8	10.32	98	173001	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.62	95	53194	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	

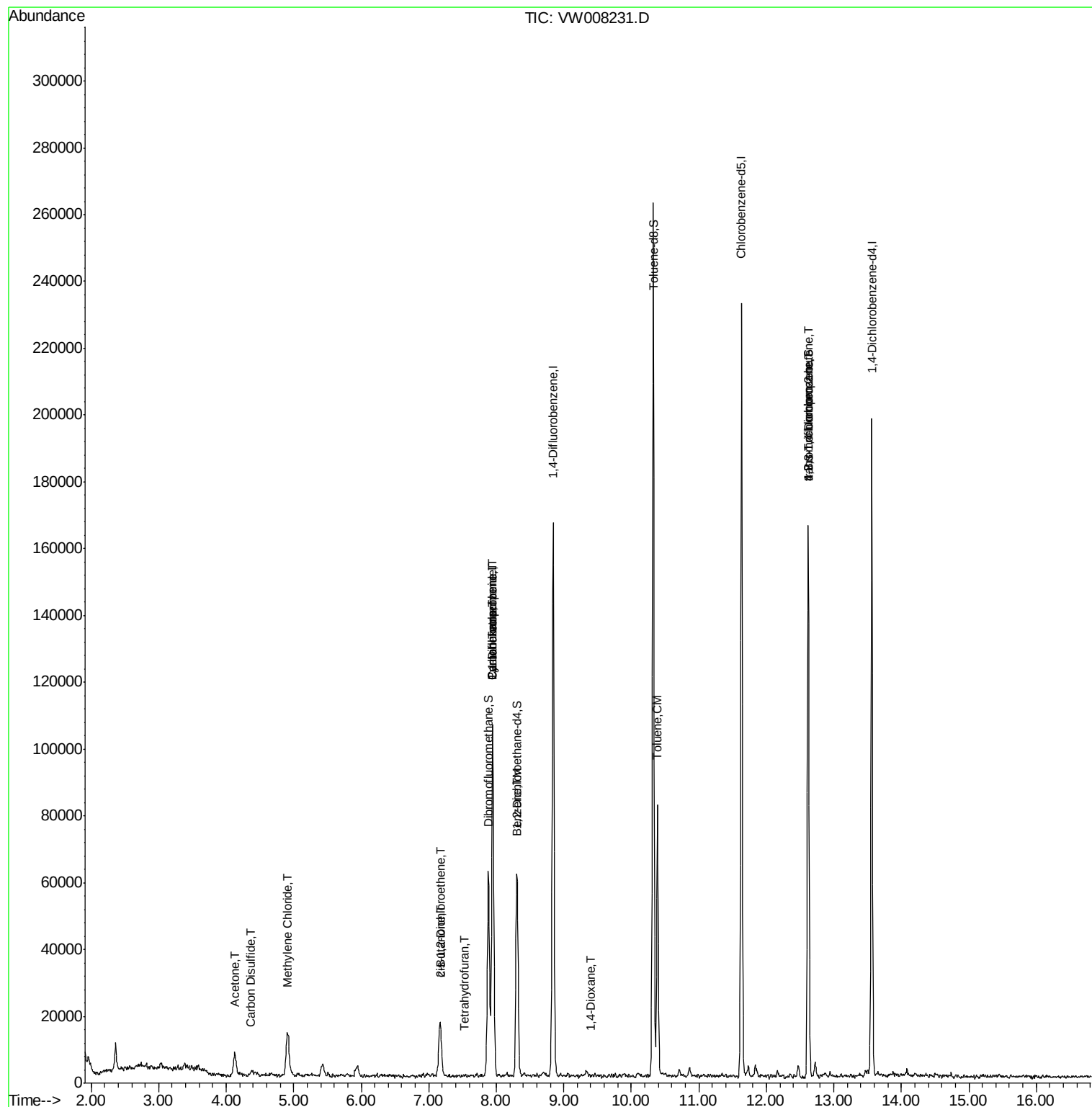
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.28	59	19	Below Cal	#	100
16) Acetone	4.12	43	12795	70.191	ug/l	93
17) Carbon Disulfide	4.36	76	2955	1.165	ug/l #	95
20) Methylene Chloride	4.91	84	10048	8.227	ug/l	88
25) 2-Butanone	7.17	43	2008	8.659	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	8628	8.960	ug/l	86
29) Tetrahydrofuran	7.54	42	369	2.382	ug/l #	51
31) Cyclohexane	7.95	56	2260	1.288	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	6531	4.653	ug/l #	51
38) Carbon Tetrachloride	7.95	117	8033	6.253	ug/l #	17
40) Benzene	8.32	78	4028	1.058	ug/l	98
49) 1,4-Dioxane	9.40	88	19	2.549	ug/l #	61
52) Toluene	10.39	92	33742	13.878	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	26569	59.751	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	26569	139.141	ug/l #	10

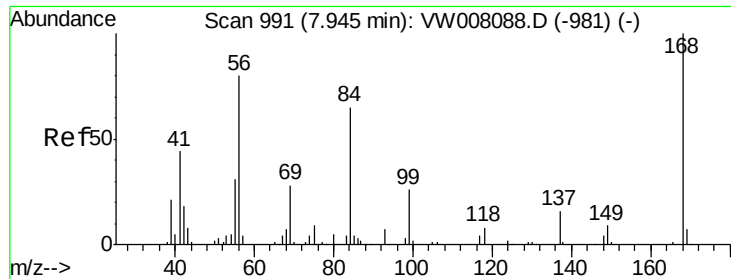
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011119\
Data File : VW008231.D
Acq On : 12 Jan 2019 09:48
Operator : SY/VA
Sample : K1122-05
Misc : 7.25G/5ML/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-4I(4-4.5)

Quant Time: Jan 14 10:51:50 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008231.D

Acq: 12 Jan 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

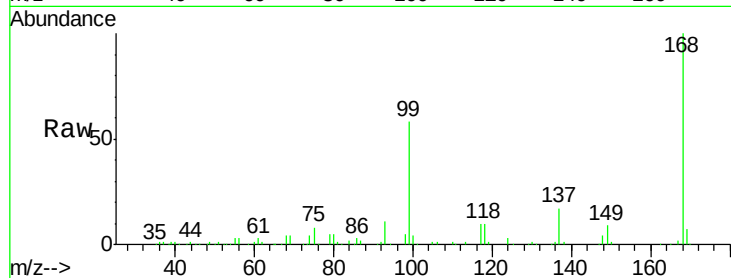
SB-4I(4-4.5)

Tgt Ion:168 Resp: 74160

Ion Ratio Lower Upper

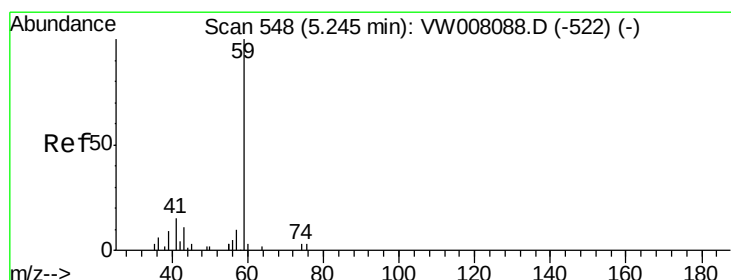
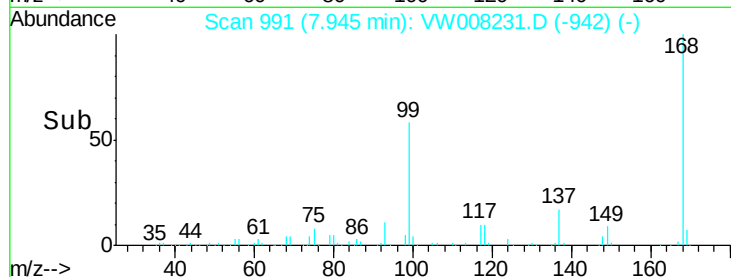
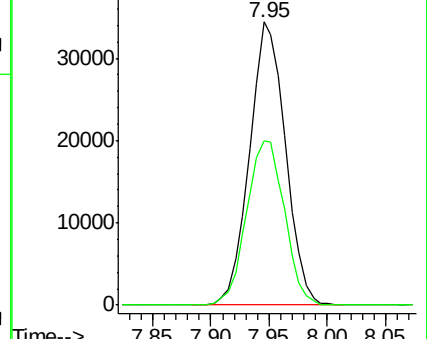
168 100

99 58.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.28 min Scan# 553

Delta R.T. 0.03 min

Lab File: VW008231.D

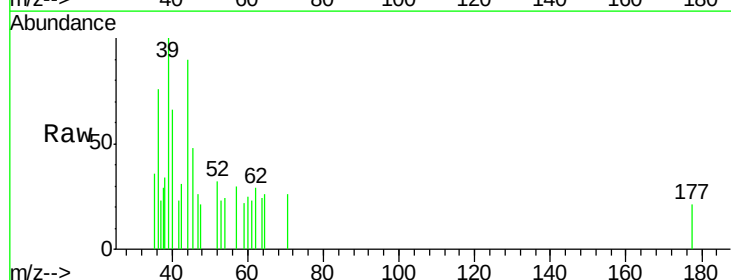
Acq: 12 Jan 2019 09:48

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

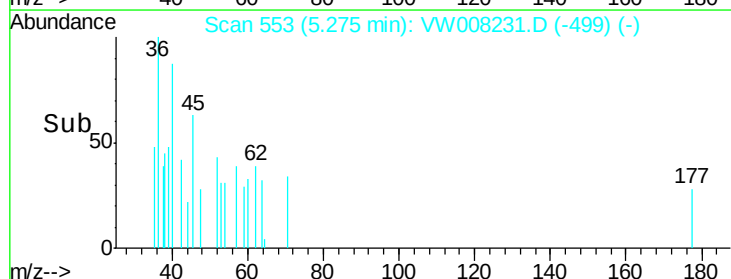
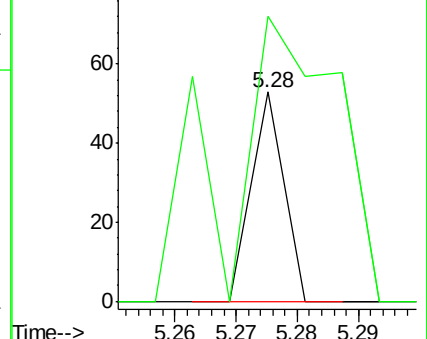
59 100

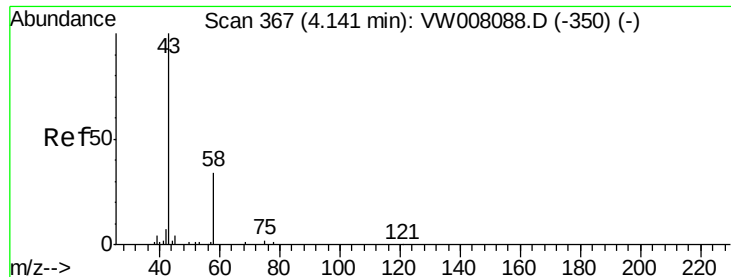
57 468.4 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

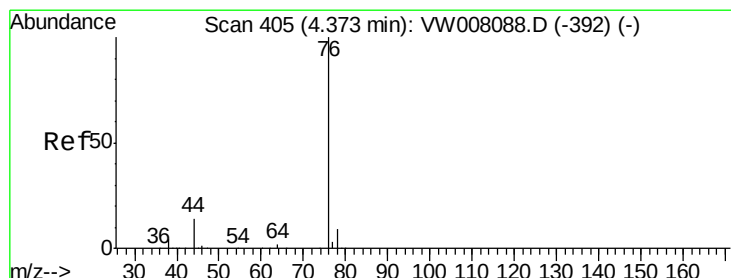
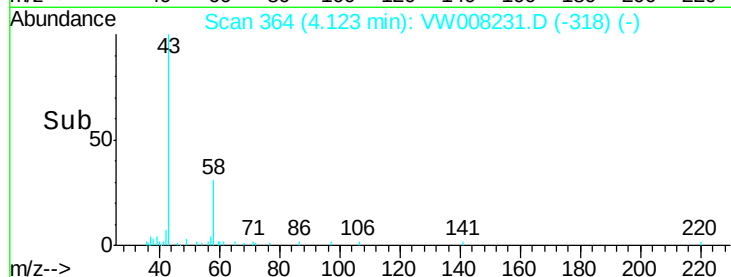
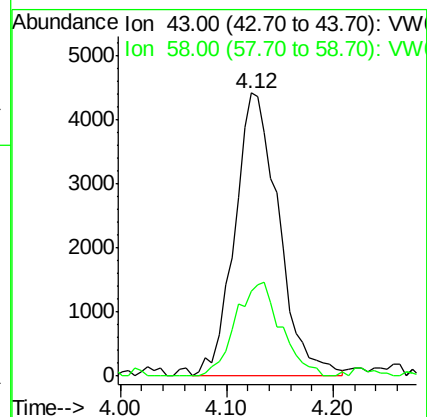
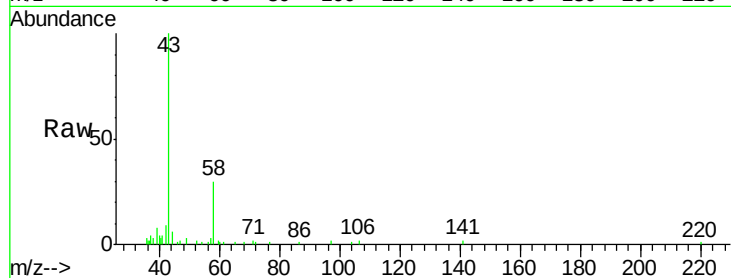




#16
Acetone
Concen: 70.191 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW008231.D
Acq: 12 Jan 2019 09:48

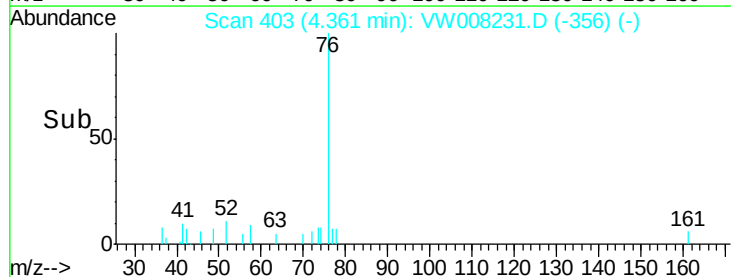
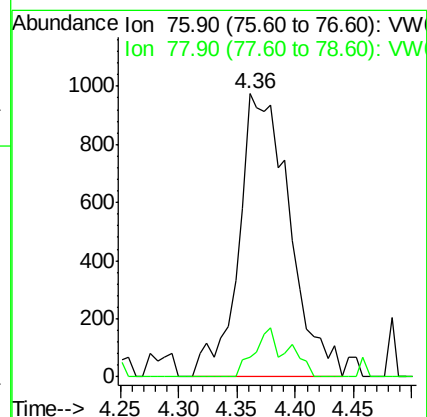
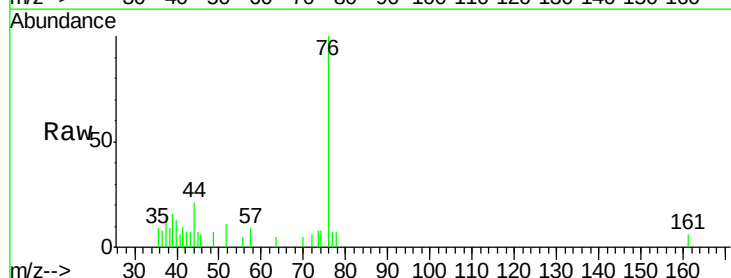
Instrument :
MSVOA_W
ClientSampleId :
SB-4I(4-4.5)

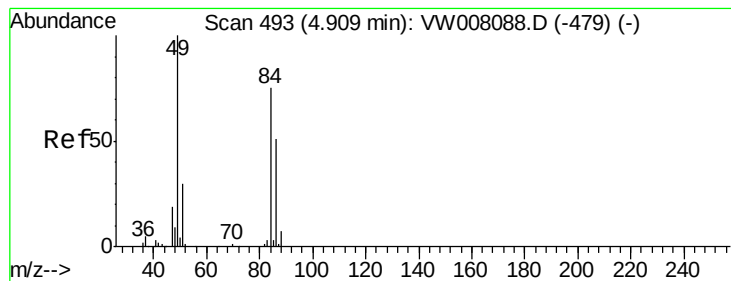
Tgt Ion: 43 Resp: 12795
Ion Ratio Lower Upper
43 100
58 30.4 27.5 41.3



#17
Carbon Disulfide
Concen: 1.165 ug/l
RT: 4.36 min Scan# 403
Delta R.T. -0.01 min
Lab File: VW008231.D
Acq: 12 Jan 2019 09:48

Tgt Ion: 76 Resp: 2955
Ion Ratio Lower Upper
76 100
78 6.9 7.0 10.6#





#20

Methylene Chloride

Concen: 8.227 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008231.D

Acq: 12 Jan 2019 09:48

Instrument :

MSVOA_W

ClientSampled :

SB-4I(4-4.5)

Tgt Ion: 84 Resp: 10048

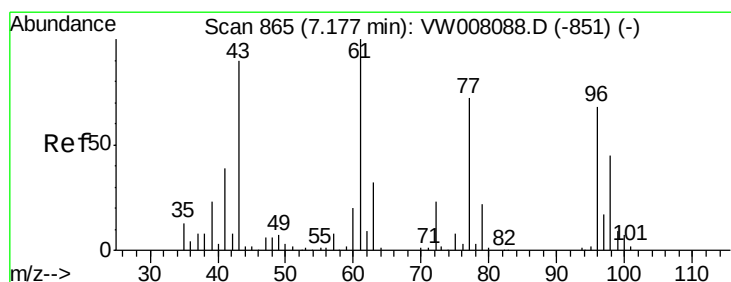
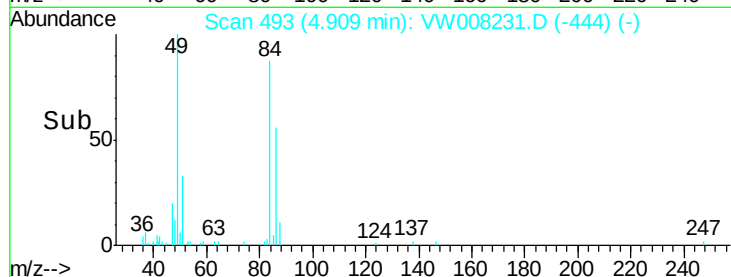
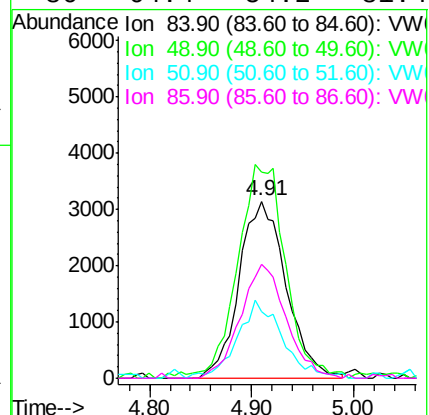
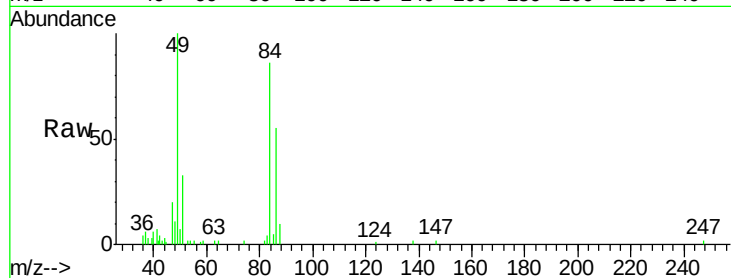
Ion Ratio Lower Upper

84 100

49 113.3 107.1 160.7

51 35.7 32.4 48.6

86 64.4 54.2 81.4



#25

2-Butanone

Concen: 8.659 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008231.D

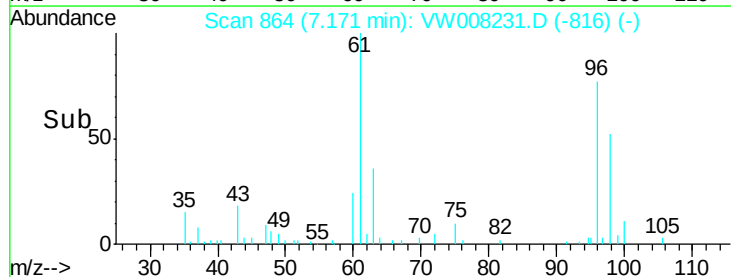
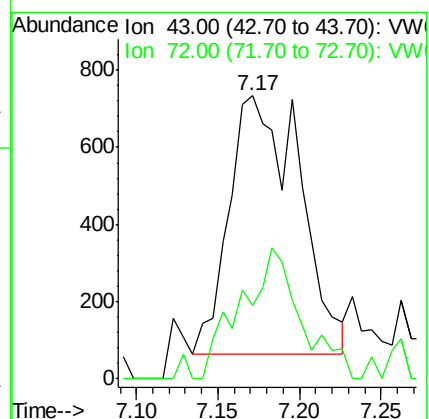
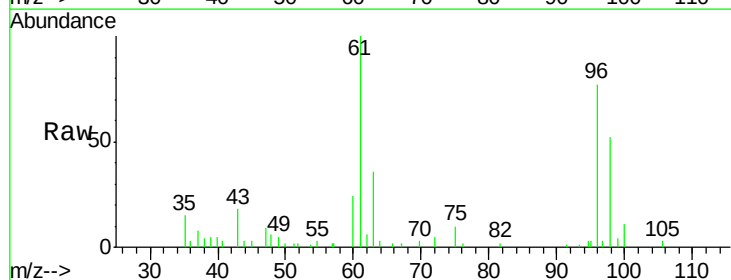
Acq: 12 Jan 2019 09:48

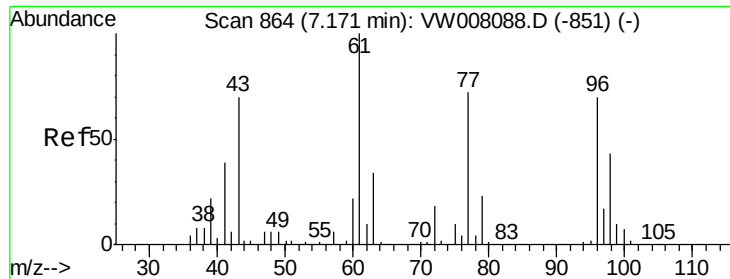
Tgt Ion: 43 Resp: 2008

Ion Ratio Lower Upper

43 100

72 28.3 20.5 30.7

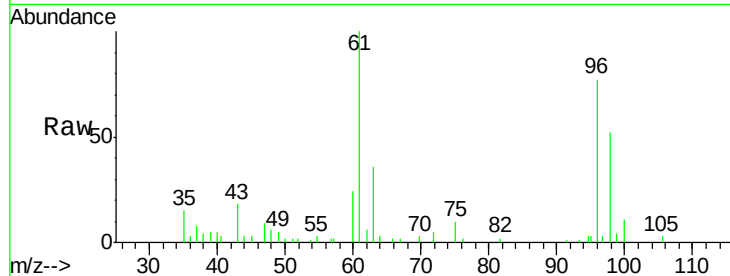




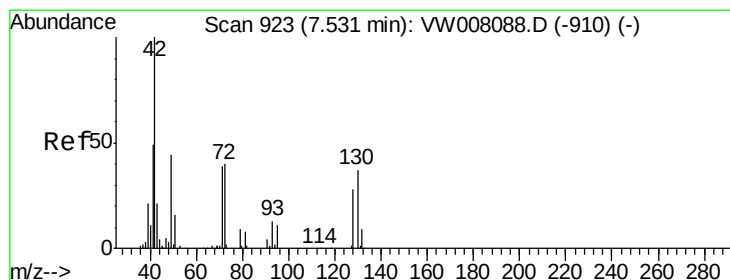
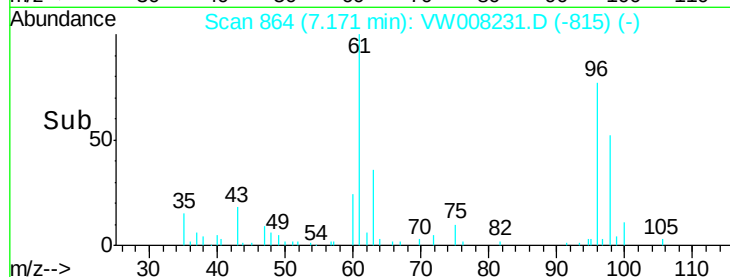
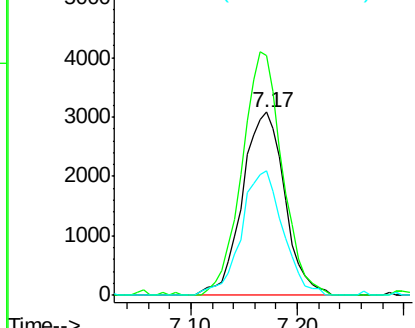
#27
 cis-1,2-Dichloroethene
 Concen: 8.960 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW008231.D
 Acq: 12 Jan 2019 09:48

Instrument :
 MSVOA_W
 ClientSampleID :
 SB-4I(4-4.5)

Tgt Ion: 96 Resp: 8628
 Ion Ratio Lower Upper
 96 100
 61 126.0 0.0 300.4
 98 66.7 0.0 128.4

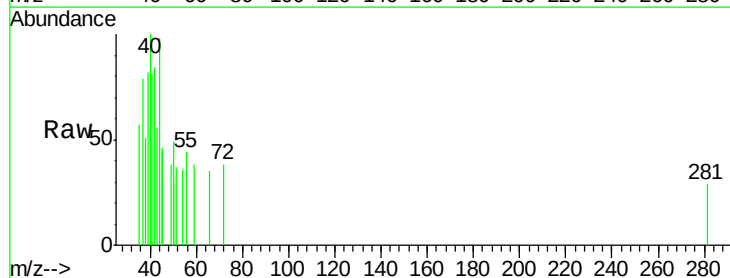


Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW

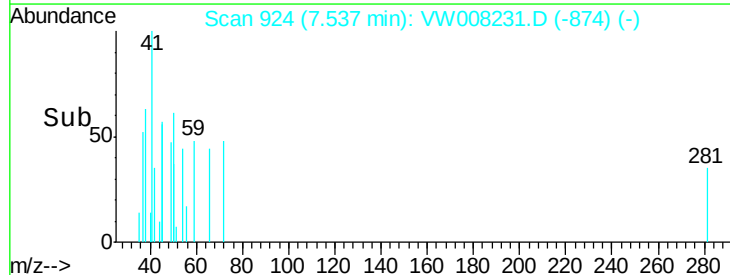
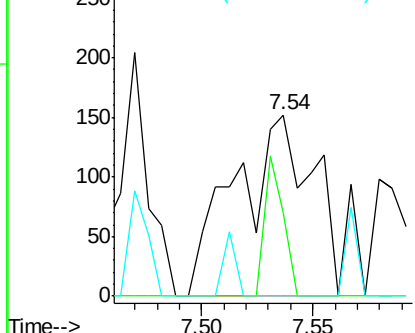


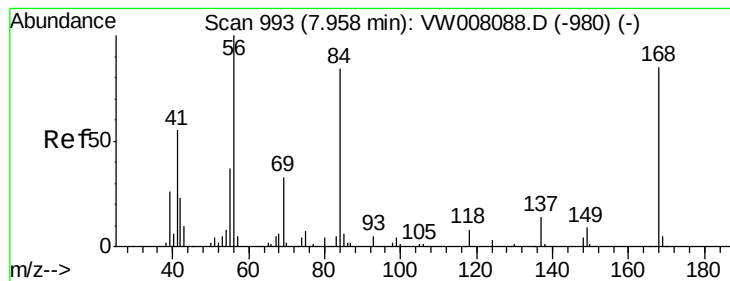
#29
 Tetrahydrofuran
 Concen: 2.382 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW008231.D
 Acq: 12 Jan 2019 09:48

Tgt Ion: 42 Resp: 369
 Ion Ratio Lower Upper
 42 100
 72 18.4 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





#31

Cyclohexane

Concen: 1.288 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008231.D

Acq: 12 Jan 2019 09:48

Instrument :

MSVOA_W

ClientSampled :

SB-4I(4-4.5)

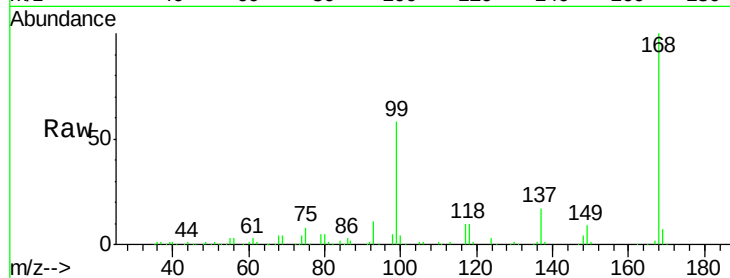
Tgt Ion: 56 Resp: 2260

Ion Ratio Lower Upper

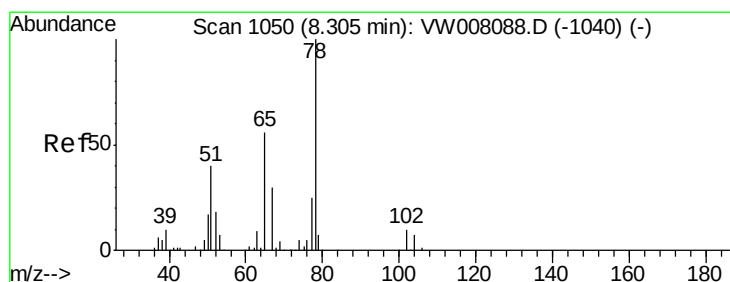
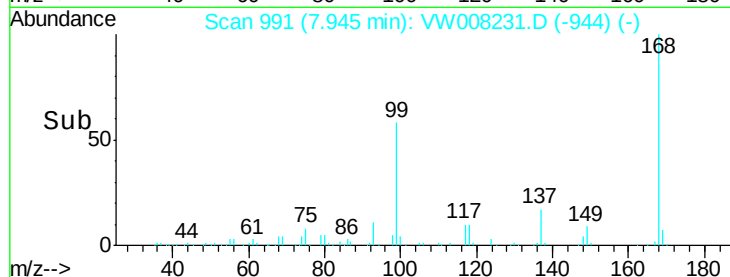
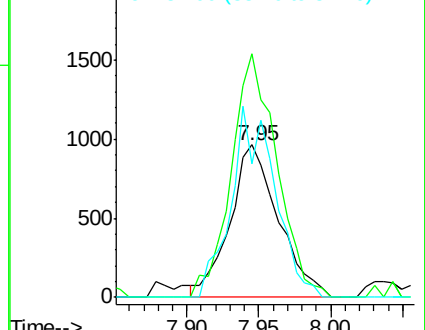
56 100

69 159.5 26.2 39.4#

84 87.6 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: 54.859 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008231.D

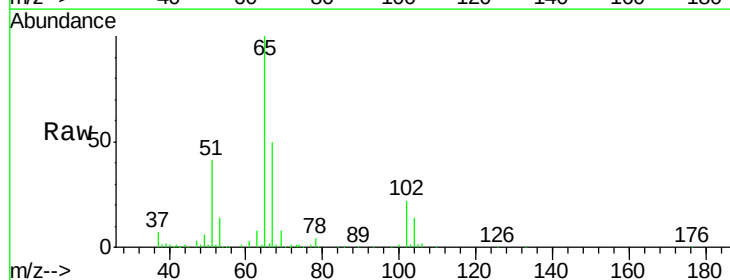
Acq: 12 Jan 2019 09:48

Tgt Ion: 65 Resp: 45725

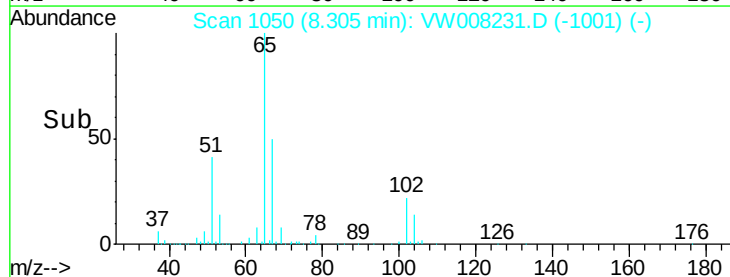
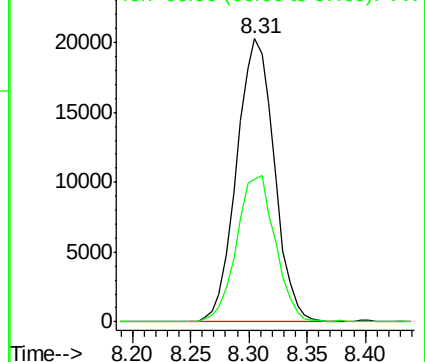
Ion Ratio Lower Upper

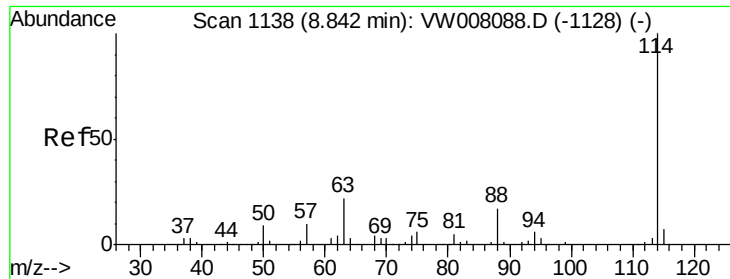
65 100

67 52.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

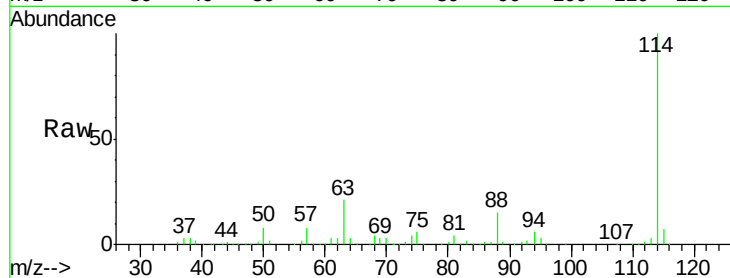




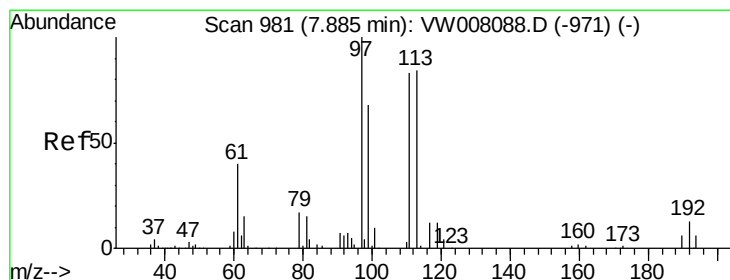
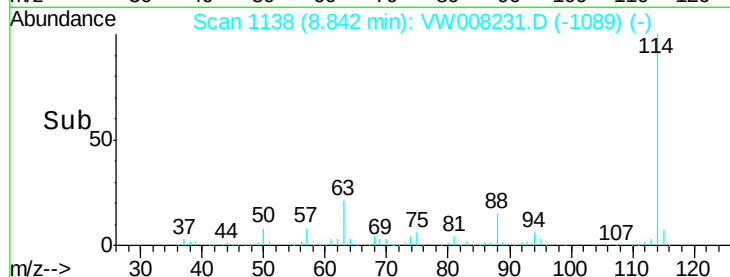
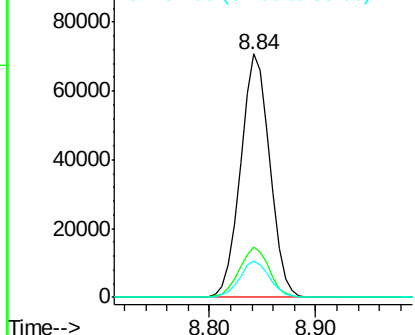
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW008231.D
Acq: 12 Jan 2019 09:48

Instrument :
MSVOA_W
ClientSampleId :
SB-4I(4-4.5)

Tgt Ion:114 Resp: 136257
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.4
88 14.9 0.0 33.4

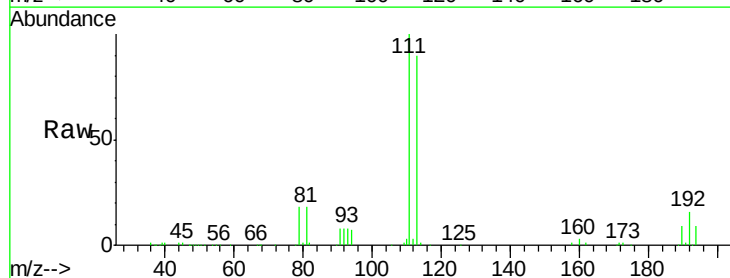


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

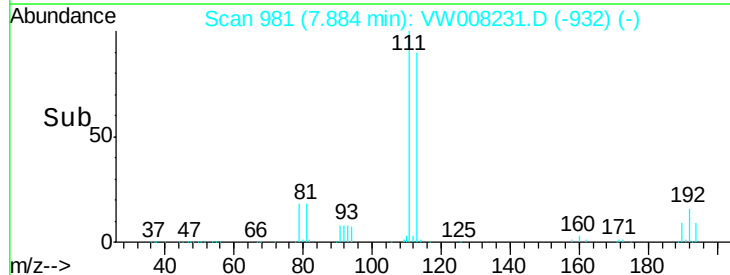
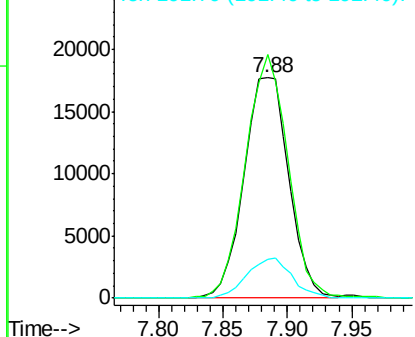


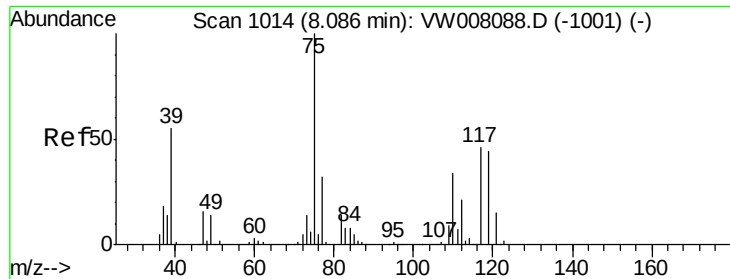
#35
Dibromofluoromethane
Concen: 53.987 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW008231.D
Acq: 12 Jan 2019 09:48

Tgt Ion:113 Resp: 42904
Ion Ratio Lower Upper
113 100
111 105.0 81.8 122.8
192 18.0 12.8 19.2



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

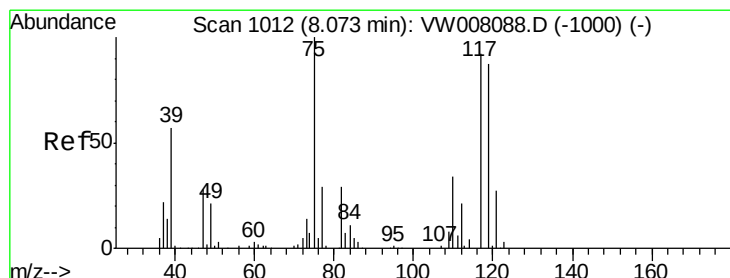
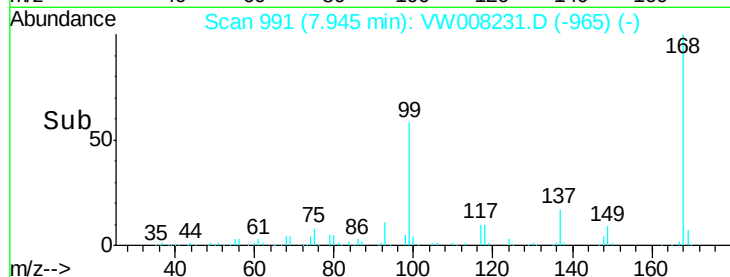
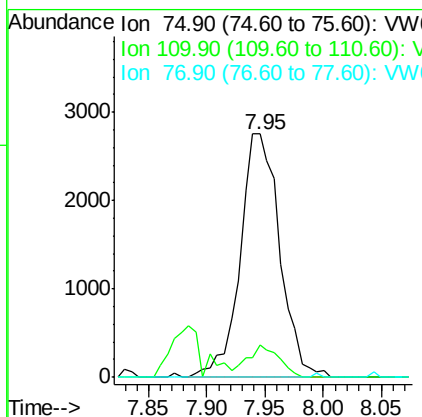
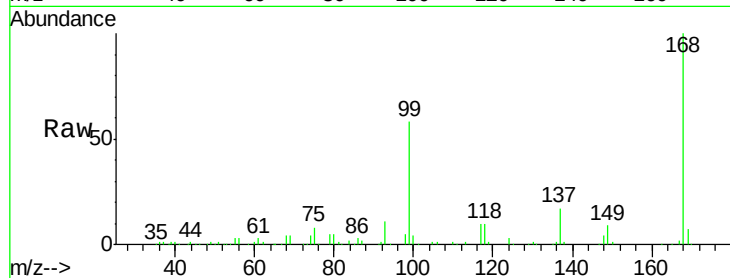




#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008231.D
 Acq: 12 Jan 2019 09:48

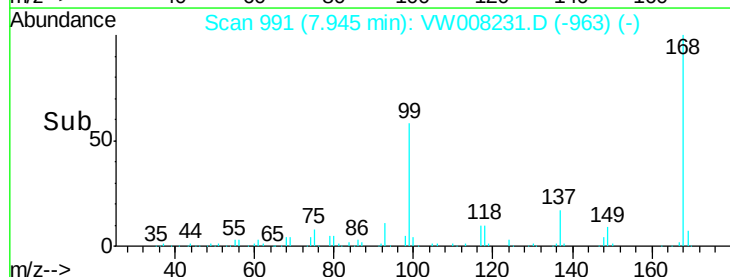
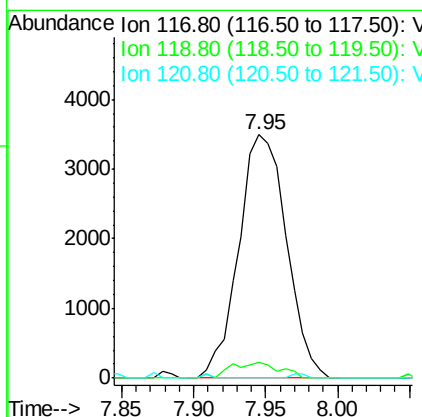
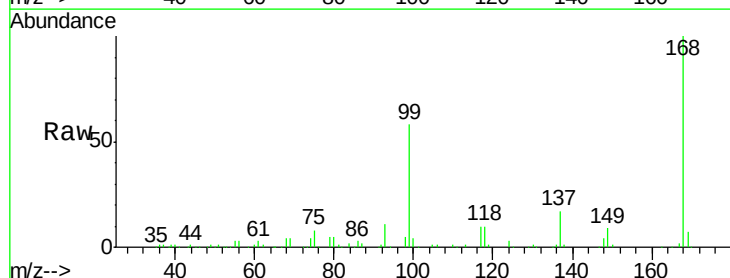
Instrument :
 MSVOA_W
 ClientSampled :
 SB-4I(4-4.5)

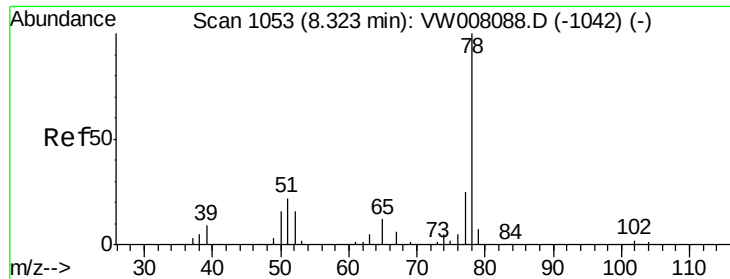
Tgt Ion: 75 Resp: 6531
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.253 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008231.D
 Acq: 12 Jan 2019 09:48

Tgt Ion: 117 Resp: 8033
 Ion Ratio Lower Upper
 117 100
 119 6.4 75.8 113.8#
 121 0.0 23.7 35.5#





#40

Benzene

Concen: 1.058 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW008231.D

Acq: 12 Jan 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

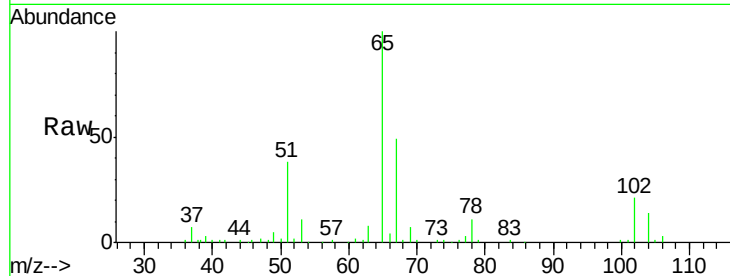
SB-4I(4-4.5)

Tgt Ion: 78 Resp: 4028

Ion Ratio Lower Upper

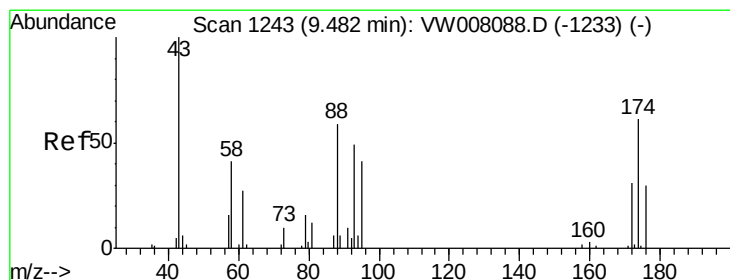
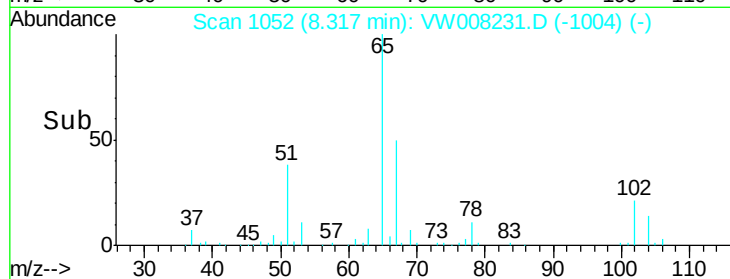
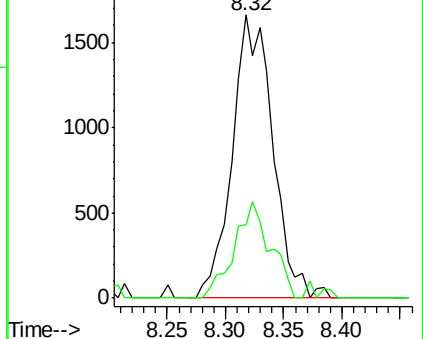
78 100

77 26.1 20.2 30.4



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

1,4-Dioxane

Concen: 2.549 ug/l

RT: 9.40 min Scan# 1230

Delta R.T. -0.08 min

Lab File: VW008231.D

Acq: 12 Jan 2019 09:48

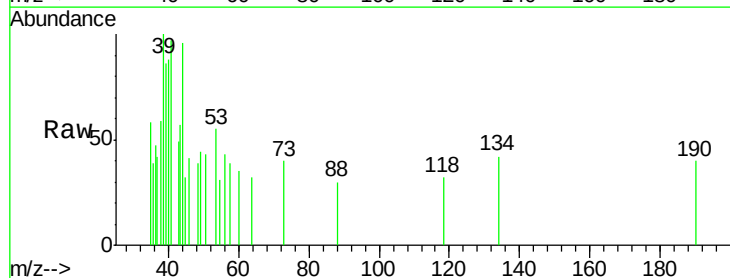
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1115.8 0.0 0.0#

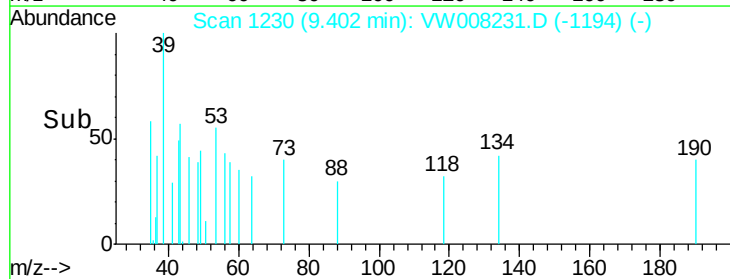
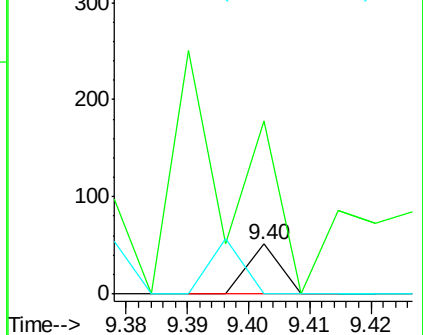
58 110.5 61.7 92.5#

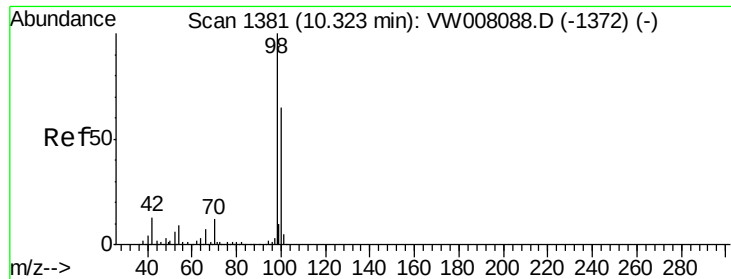


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.876 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008231.D

Acq: 12 Jan 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

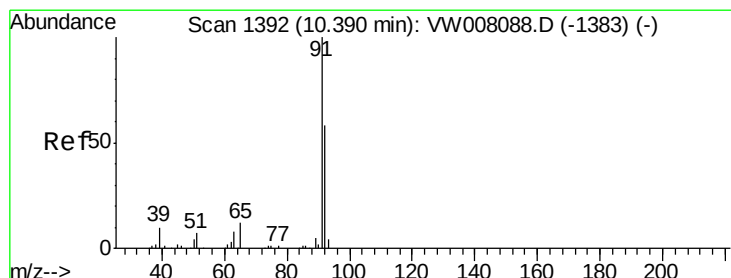
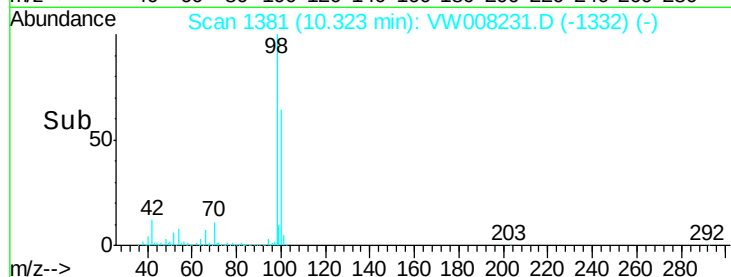
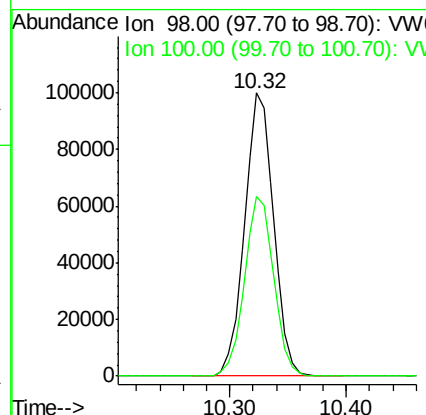
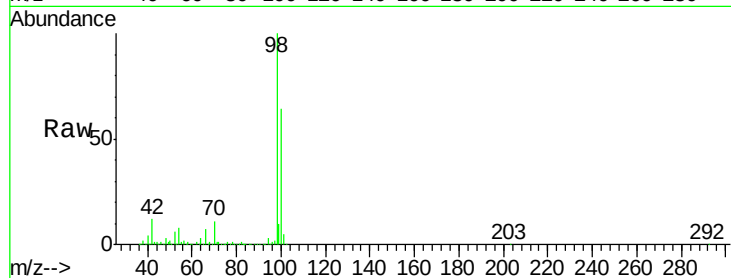
SB-4I(4-4.5)

Tgt Ion: 98 Resp: 173001

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



#52

Toluene

Concen: 13.878 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008231.D

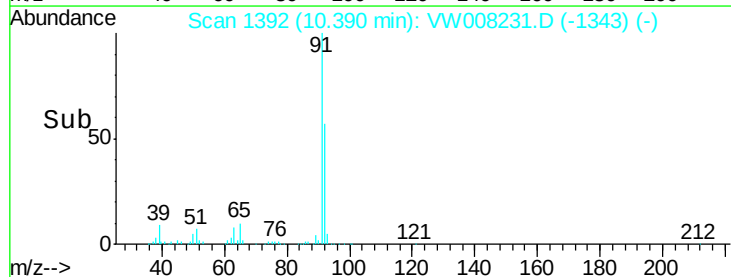
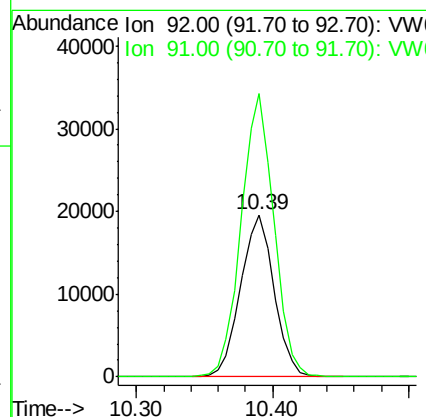
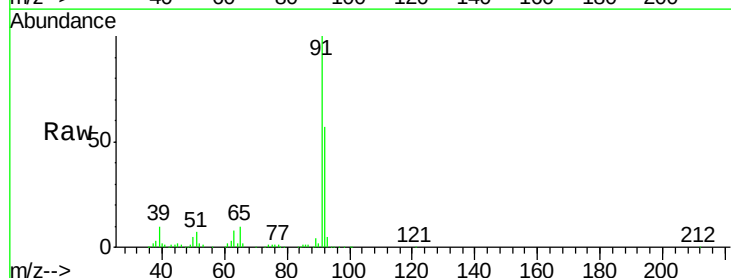
Acq: 12 Jan 2019 09:48

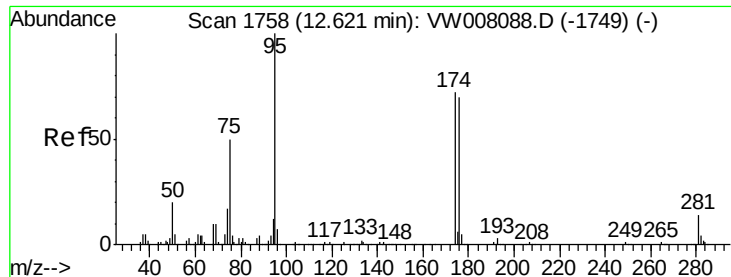
Tgt Ion: 92 Resp: 33742

Ion Ratio Lower Upper

92 100

91 170.2 137.0 205.4

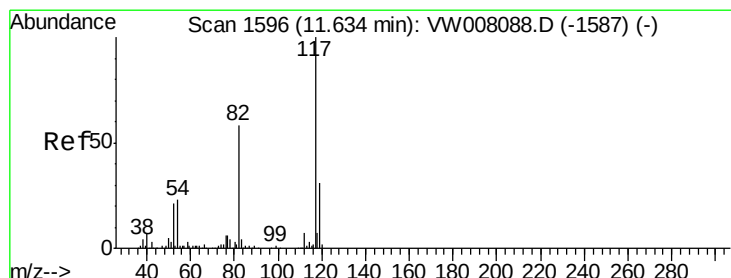
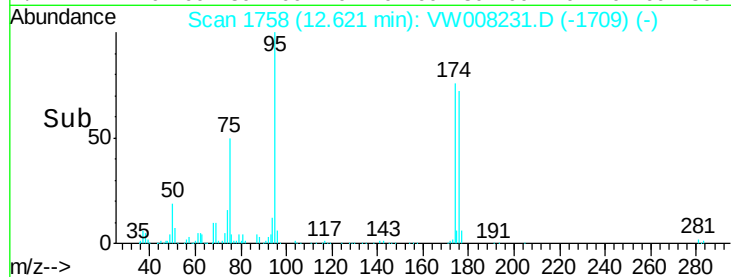
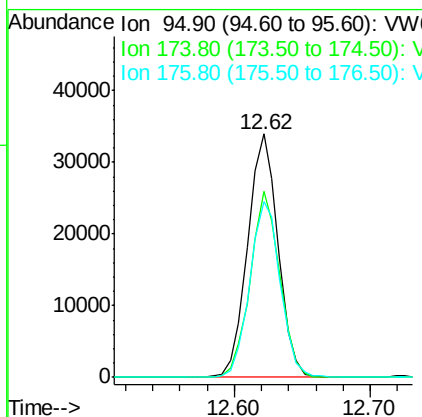
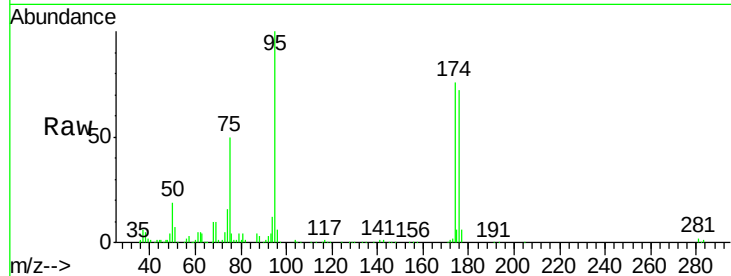




#62
4-Bromofluorobenzene
Concen: 44.493 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008231.D
Acq: 12 Jan 2019 09:48

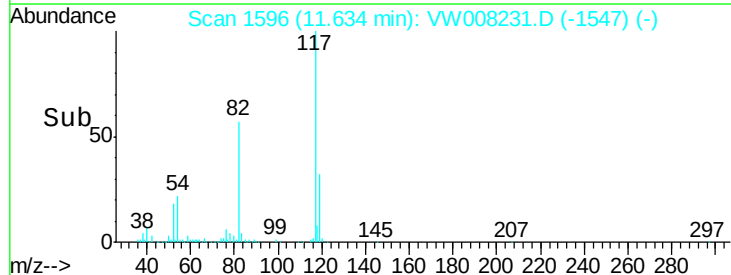
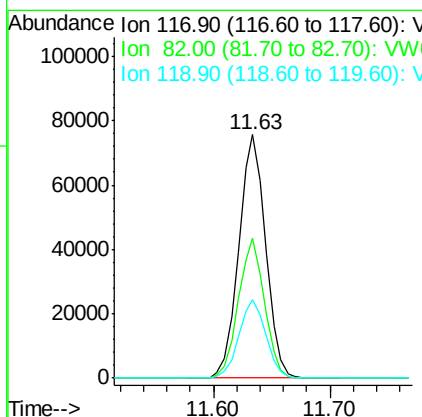
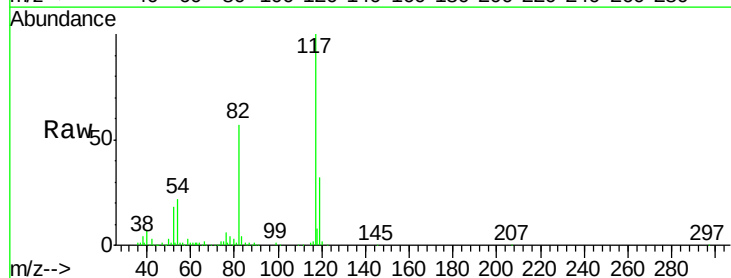
Instrument :
MSVOA_W
ClientSampleId :
SB-4I(4-4.5)

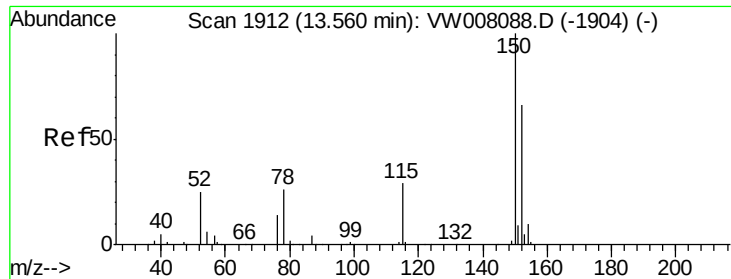
Tgt Ion: 95 Resp: 53194
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.0
176 72.4 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008231.D
Acq: 12 Jan 2019 09:48

Tgt Ion: 117 Resp: 121432
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 32.1 24.7 37.1

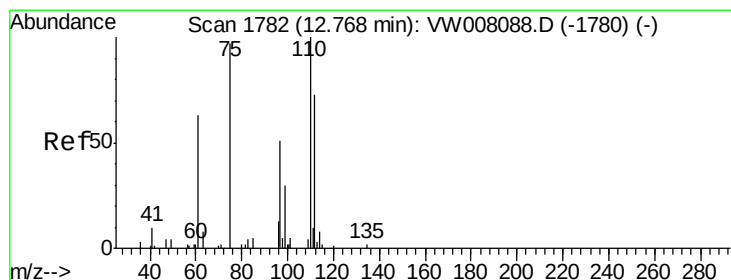
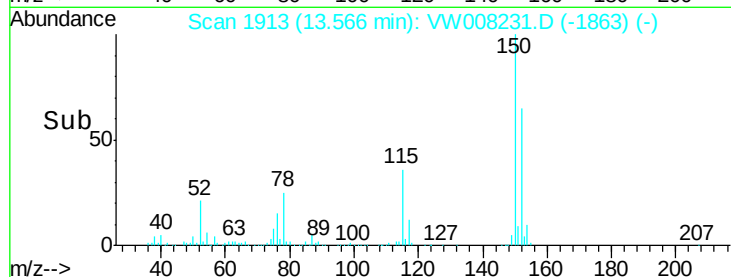
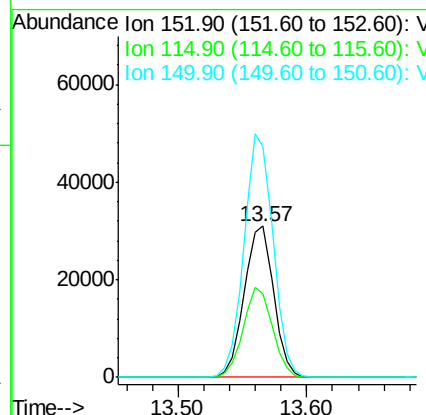
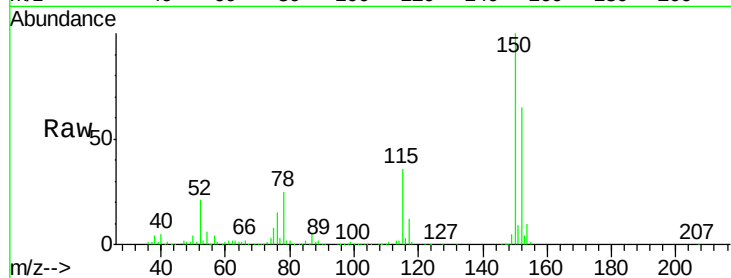




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.01 min
 Lab File: VW008231.D
 Acq: 12 Jan 2019 09:48

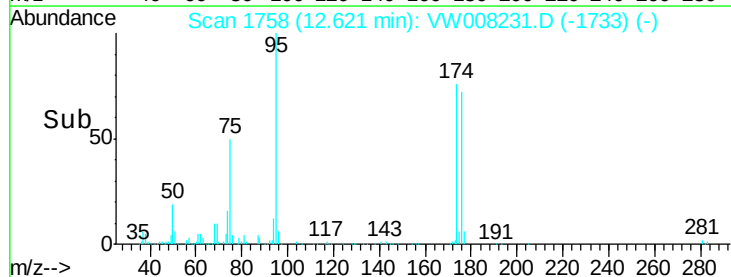
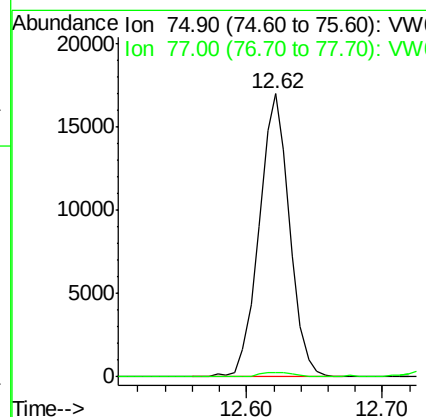
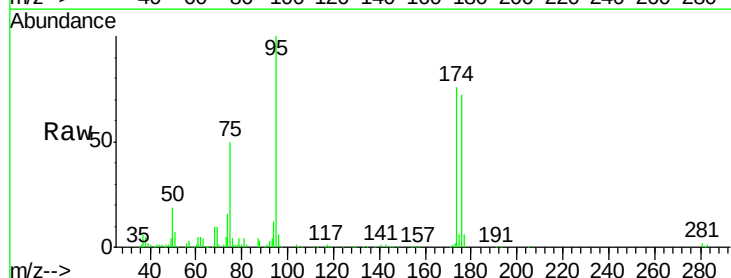
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4I(4-4.5)

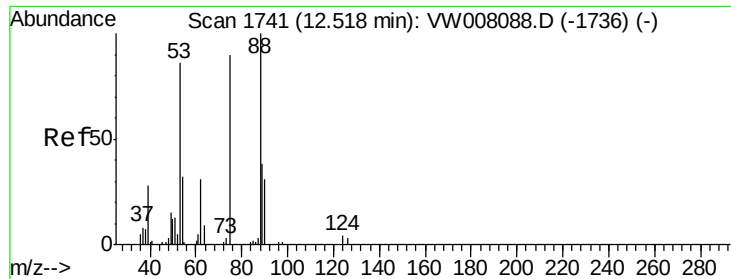
Tgt Ion:152 Resp: 48778
 Ion Ratio Lower Upper
 152 100
 115 59.1 30.8 92.4
 150 159.0 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 59.751 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008231.D
 Acq: 12 Jan 2019 09:48

Tgt Ion: 75 Resp: 26569
 Ion Ratio Lower Upper
 75 100
 77 1.8 179.4 538.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 139.141 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008231.D

Acq: 12 Jan 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

SB-4I(4-4.5)

Tgt Ion: 75 Resp: 26569

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 35.4 53.2#

