

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008690.D
 Acq On : 15 Feb 2019 17:45
 Operator : SY/VA
 Sample : K1515-01
 Misc : 6.19G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:35:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	387809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	581635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	524597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	265249	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	219066	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	
35) Dibromofluoromethane	7.88	113	182915	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.32	98	695718	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.62	95	251905	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

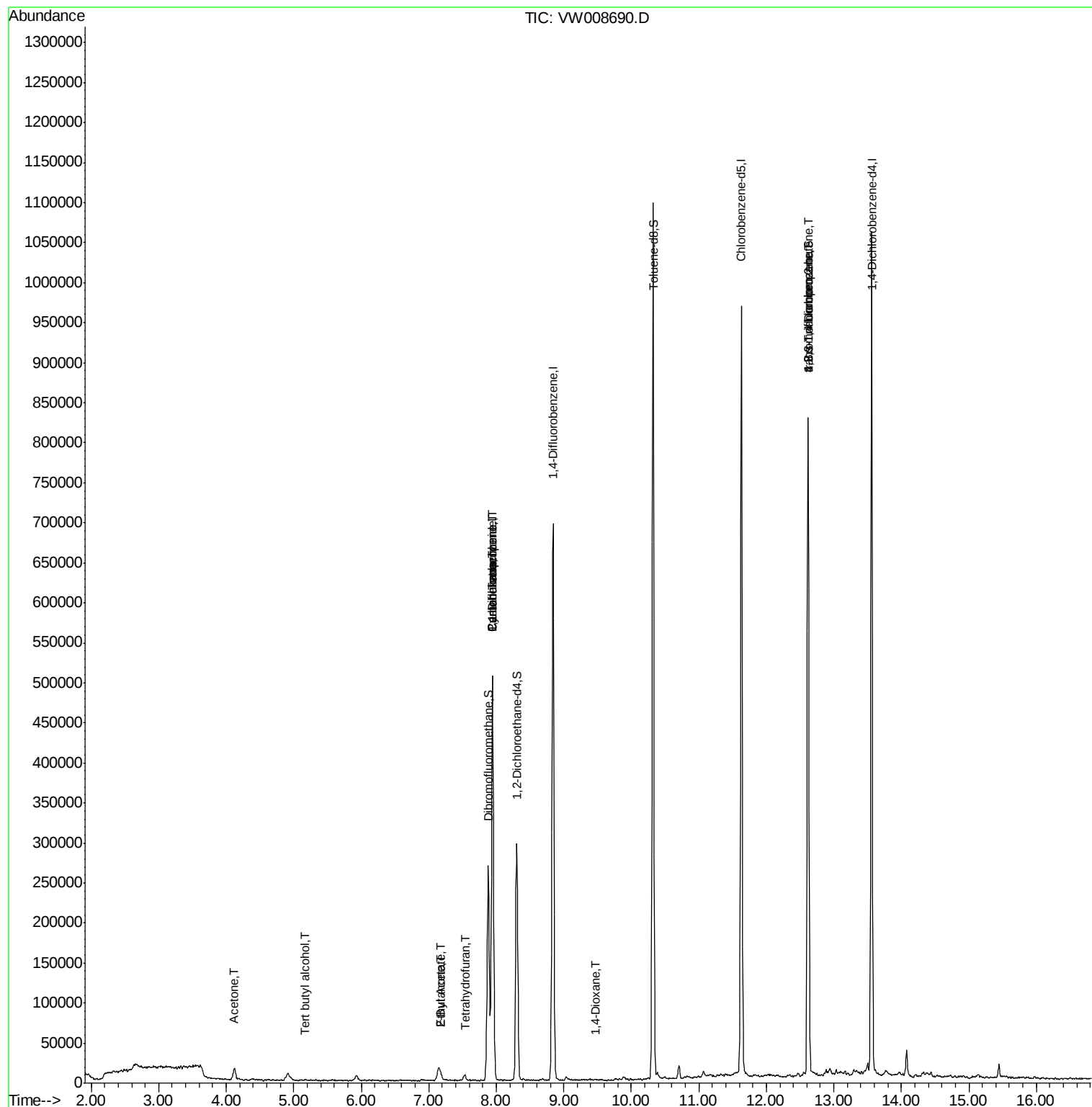
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	604	1.872	ug/l #	83
16) Acetone	4.12	43	26860	29.276	ug/l #	89
20) Methylene Chloride	4.91	84	7765	Below Cal	#	70
25) 2-Butanone	7.18	43	9261	7.149	ug/l #	83
29) Tetrahydrofuran	7.54	42	5986	7.010	ug/l	95
31) Cyclohexane	7.95	56	8661	1.175	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	28887	4.943	ug/l #	49
37) Ethyl Acetate	7.18	43	9261	3.285	ug/l #	70
38) Carbon Tetrachloride	7.95	117	37504	6.454	ug/l #	19
49) 1,4-Dioxane	9.47	88	41	1.181	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	133878	51.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	133878	109.537	ug/l #	6

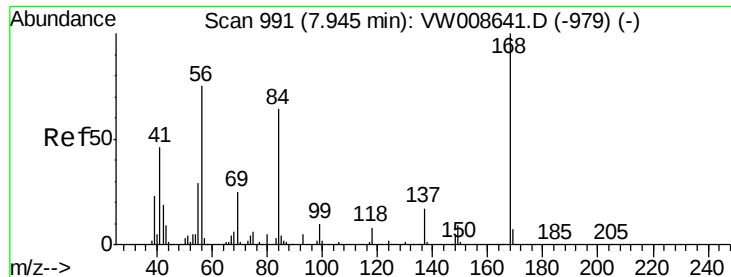
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021519\
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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: VW008690.D

Acq: 15 Feb 2019 17:45

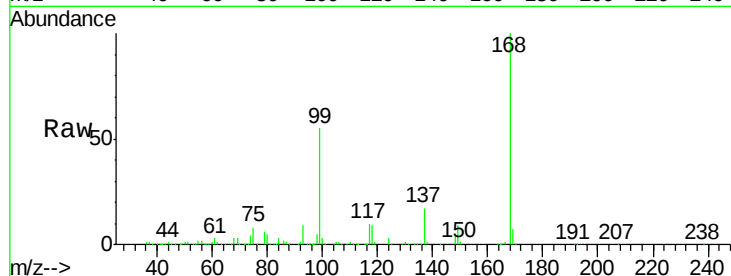
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 387809

Ion Ratio Lower Upper

168 100

99 55.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

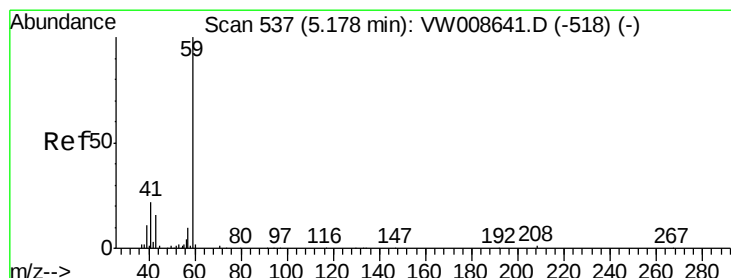
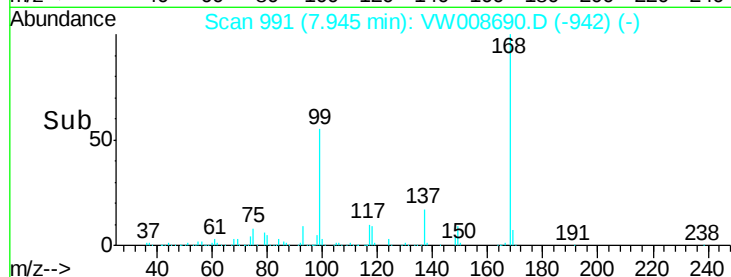
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.872 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW008690.D

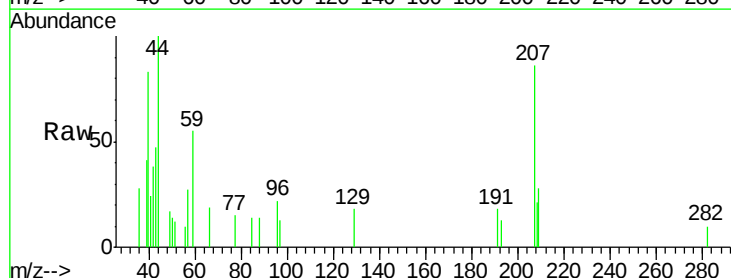
Acq: 15 Feb 2019 17:45

Tgt Ion: 59 Resp: 604

Ion Ratio Lower Upper

59 100

57 16.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

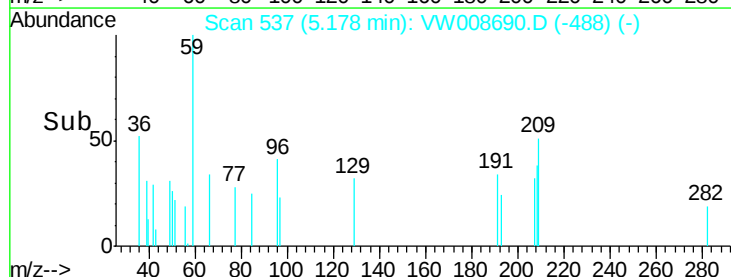
300

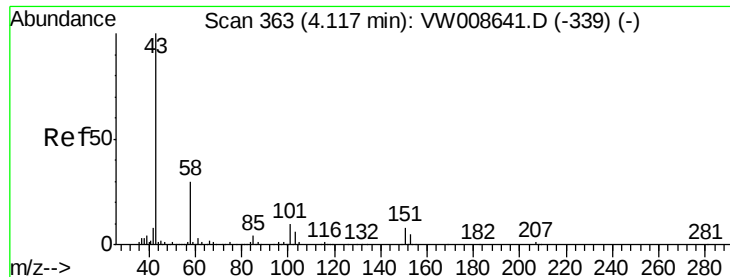
200

100

0

Time--> 5.15 5.20

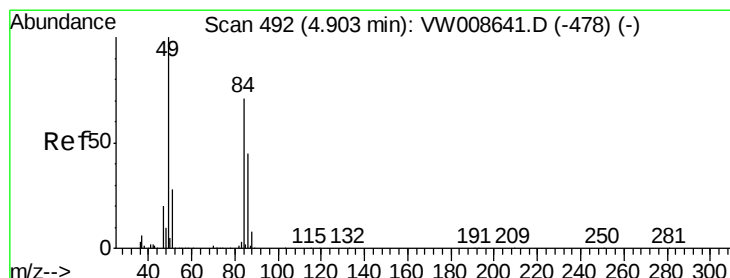
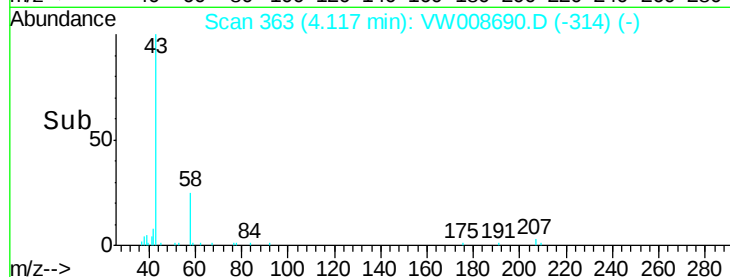
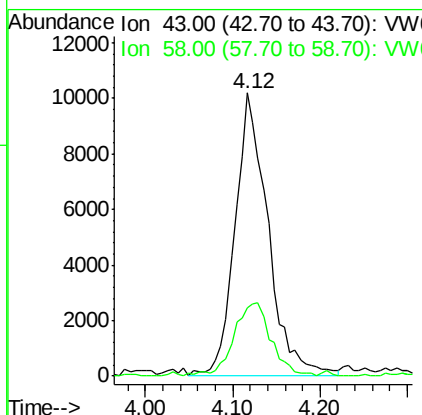
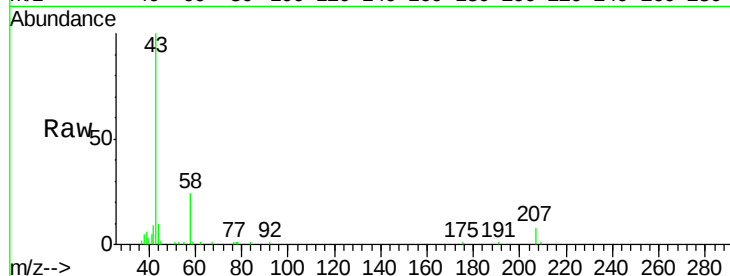




#16
Acetone
Concen: 29.276 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008690.D
Acq: 15 Feb 2019 17:45

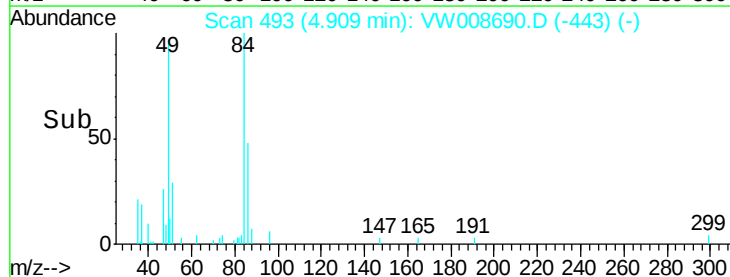
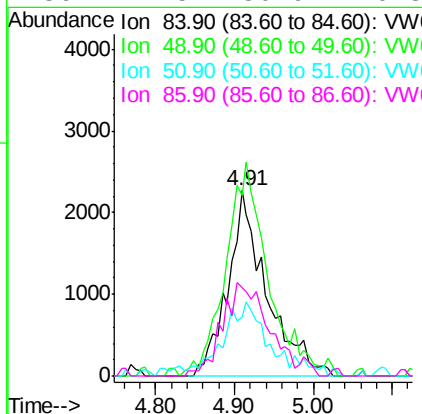
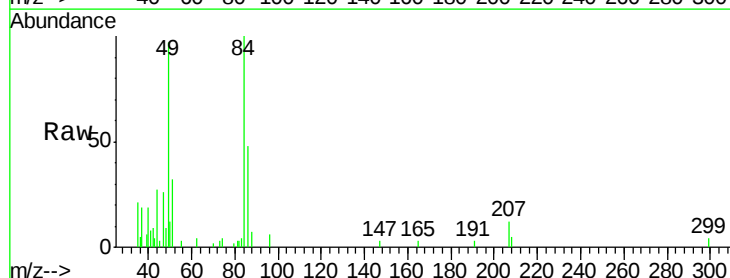
Instrument :
MSVOA_W
ClientSampleId :

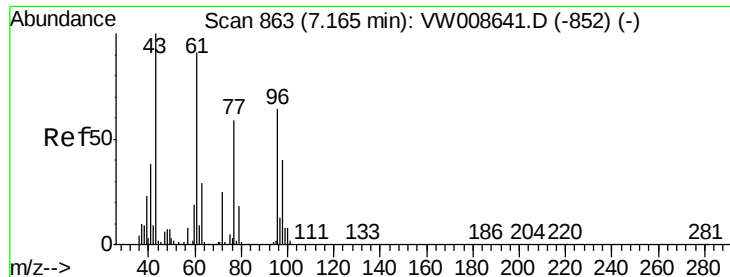
Tot Ion: 43 Resp: 26860
Ion Ratio Lower Upper
43 100
58 24.1 24.1 36.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008690.D
Acq: 15 Feb 2019 17:45

Tgt Ion: 84 Resp: 7765
Ion Ratio Lower Upper
84 100
49 97.2 113.3 169.9#
51 29.8 32.1 48.1#
86 44.5 50.9 76.3#





#25

2-Butanone

Concen: 7.149 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

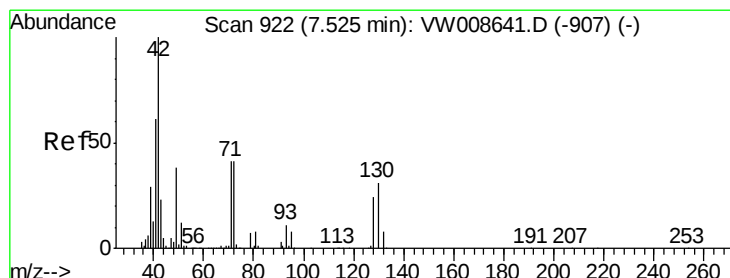
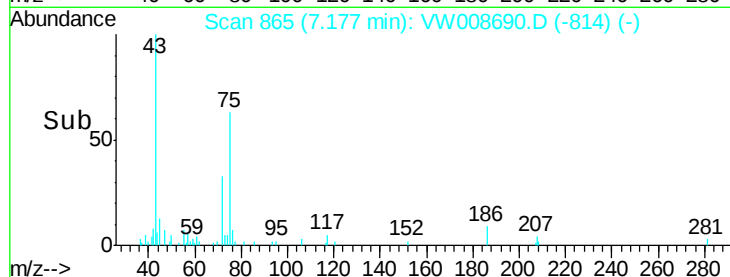
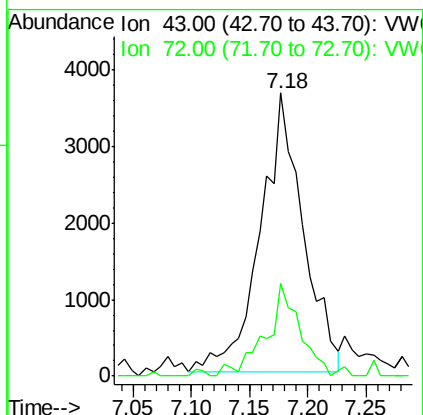
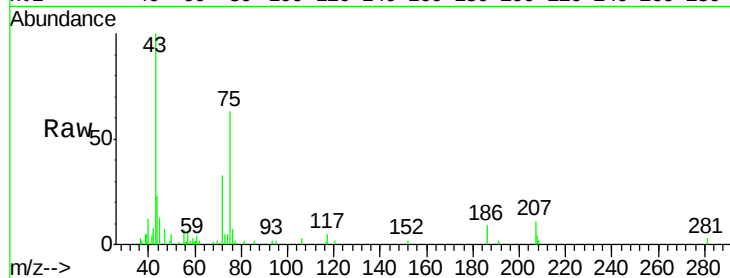
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 9261

Ion Ratio Lower Upper

43 100

72 33.2 19.7 29.5#



#29

Tetrahydrofuran

Concen: 7.010 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

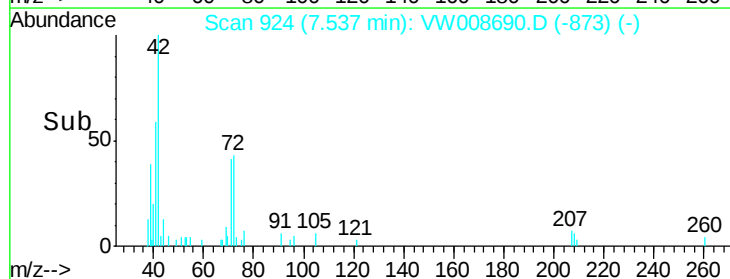
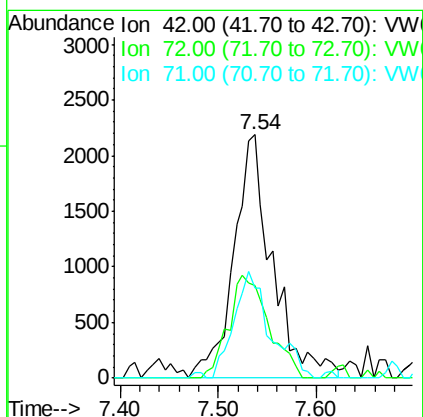
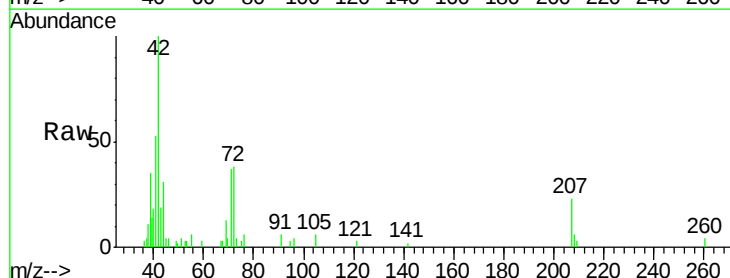
Tgt Ion: 42 Resp: 5986

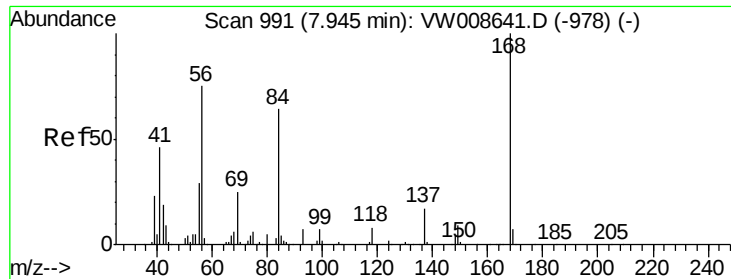
Ion Ratio Lower Upper

42 100

72 44.3 32.2 48.2

71 41.3 31.0 46.6

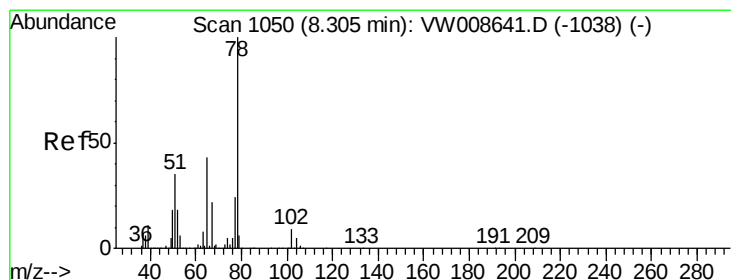
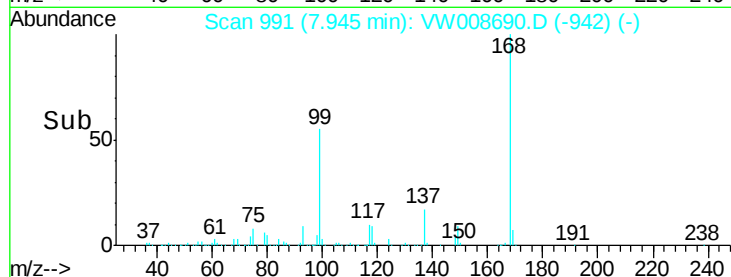
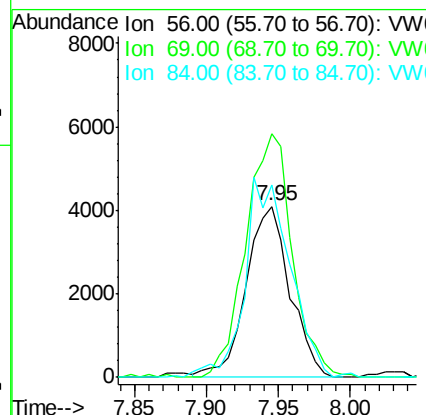
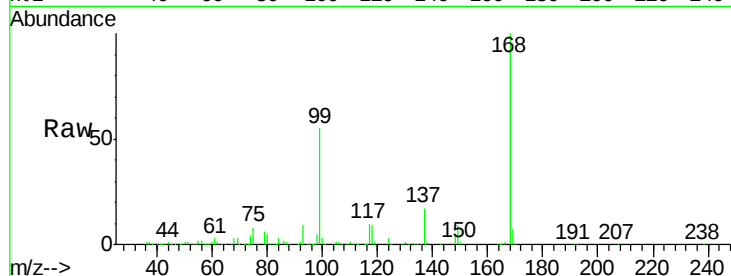




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008690.D
Acq: 15 Feb 2019 17:45

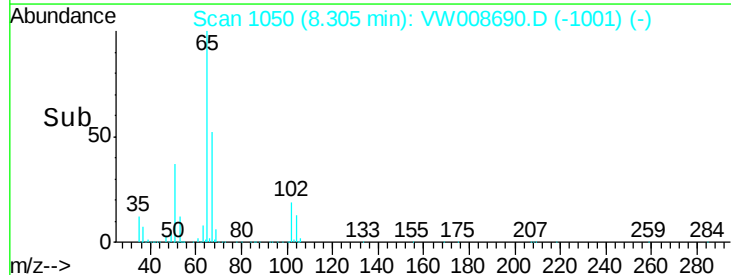
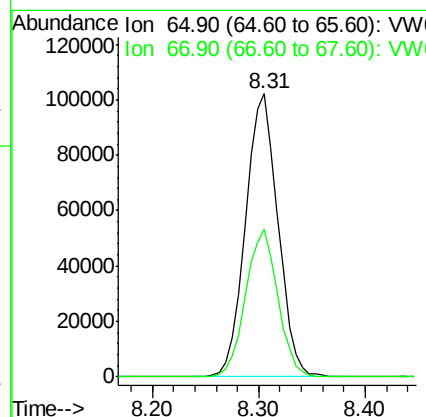
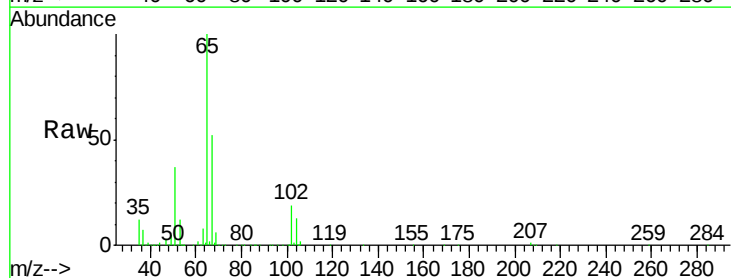
Instrument :
MSVOA_W
ClientSampleId :

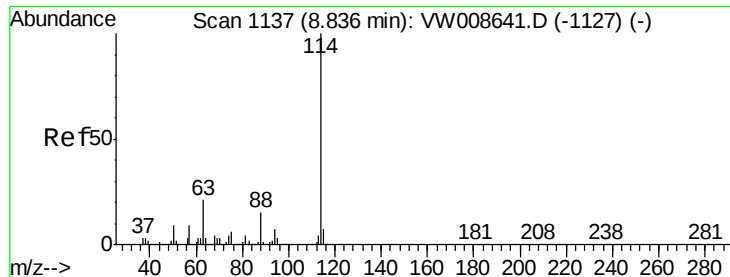
Tot Ion: 56 Resp: 8661
Ion Ratio Lower Upper
56 100
69 142.6 26.4 39.6#
84 111.0 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 54.335 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008690.D
Acq: 15 Feb 2019 17:45

Tgt Ion: 65 Resp: 219066
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0

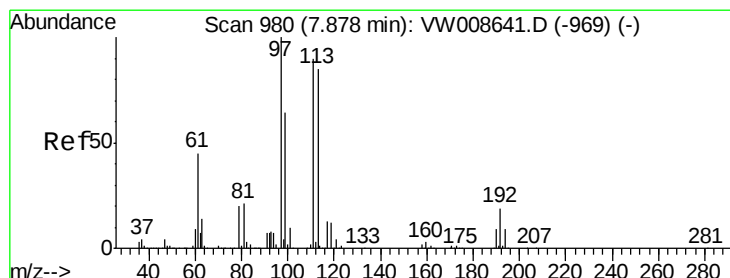
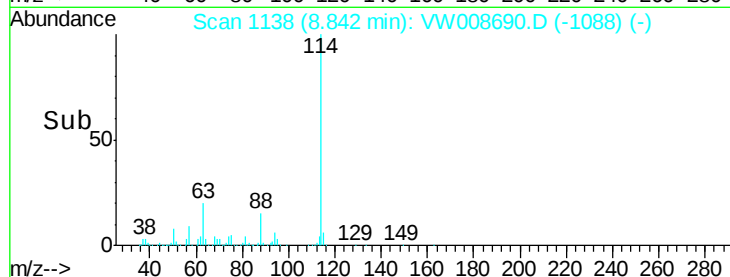
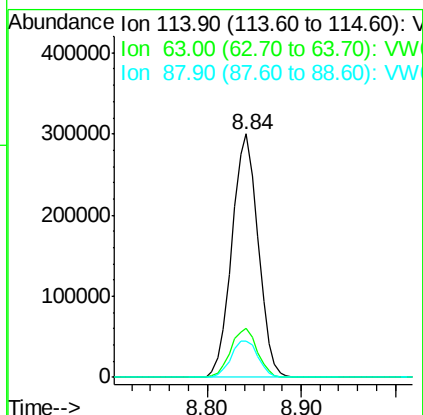
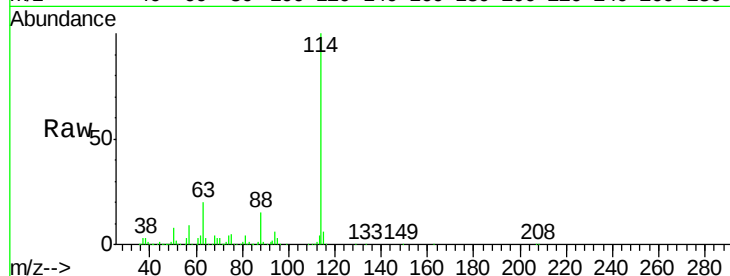




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008690.D
 Acq: 15 Feb 2019 17:45

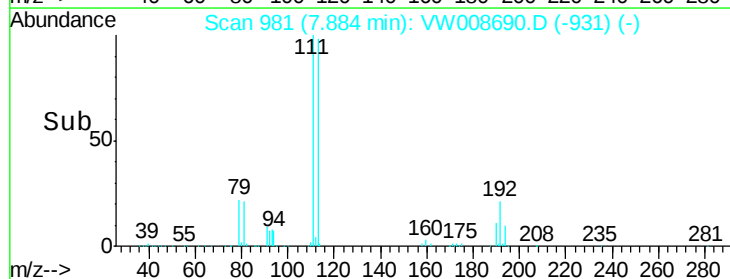
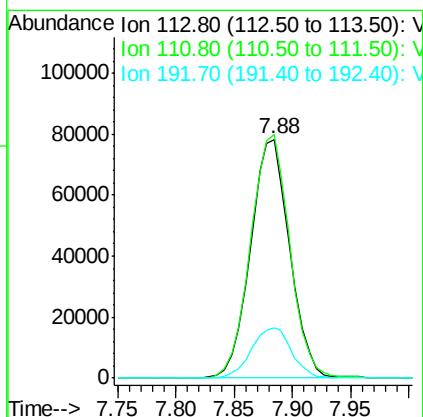
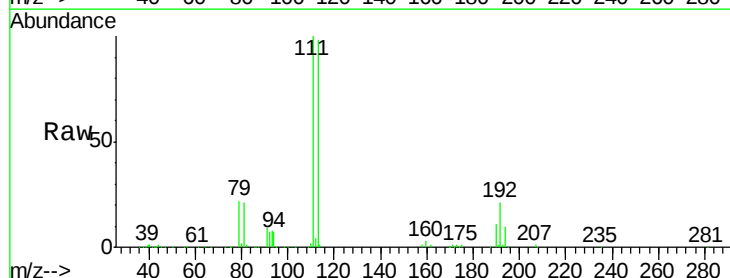
Instrument :
 MSVOA_W
 ClientSampleId :

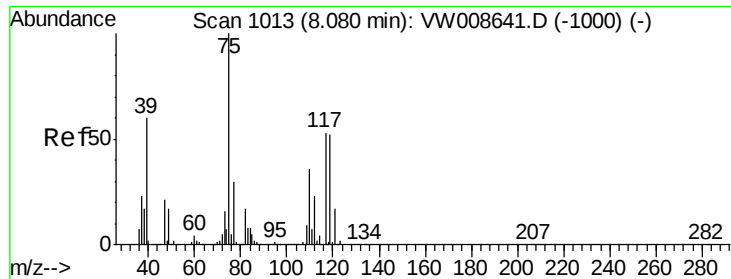
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.2
88	14.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.647 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW008690.D
 Acq: 15 Feb 2019 17:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.0	126.0
192	21.6	17.4	26.2





#36

1,1-Dichloropropene

Concen: 4.943 ug/l

RT: 7.95 min Scan# 991

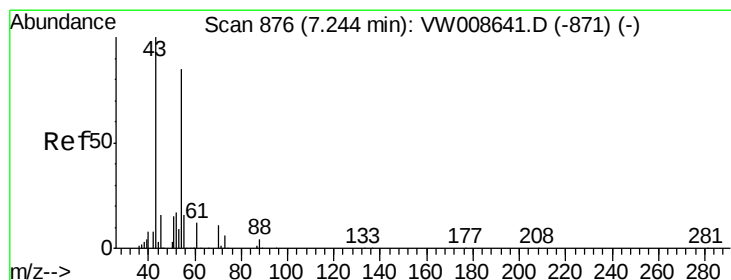
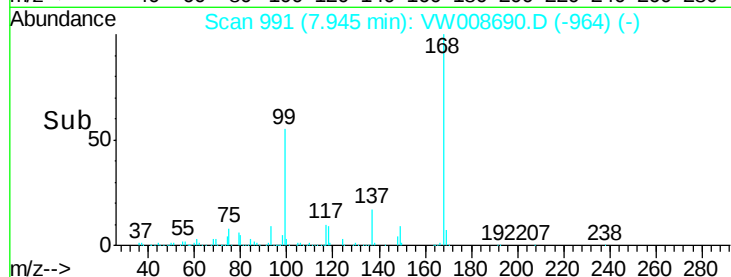
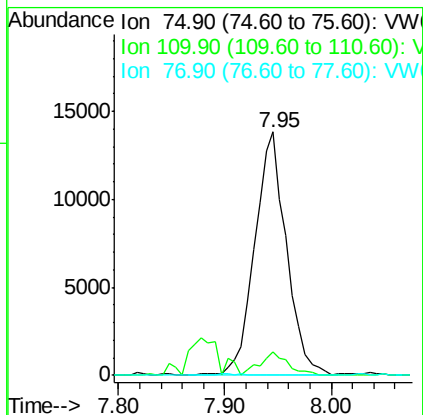
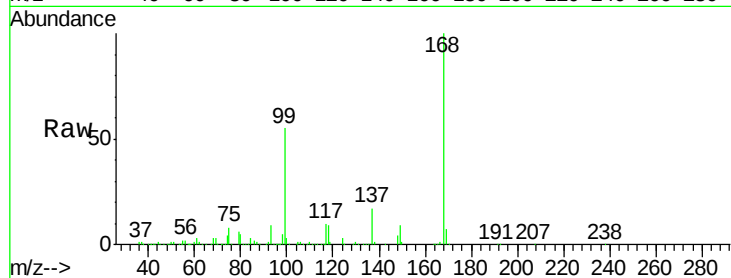
Delta R.T. -0.13 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	75	Resp:	28887
Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.8	53.3#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 3.285 ug/l

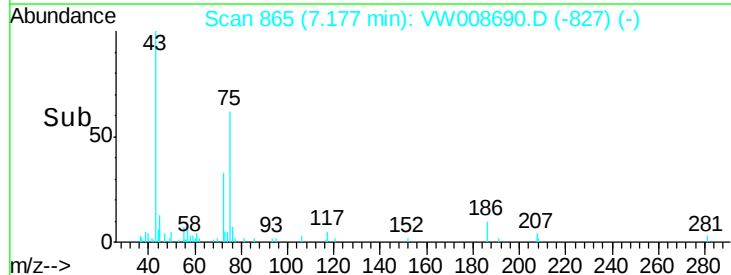
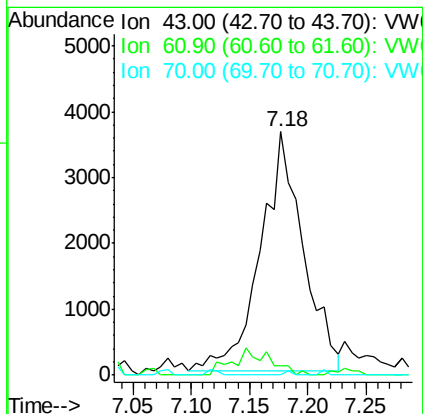
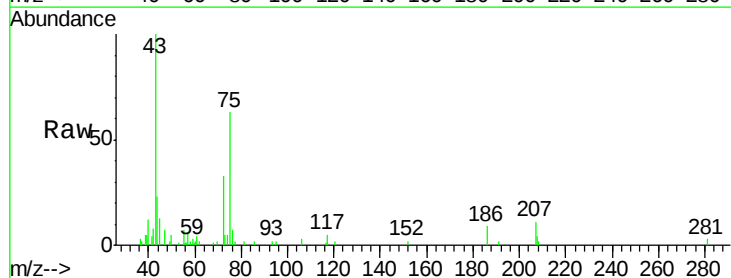
RT: 7.18 min Scan# 865

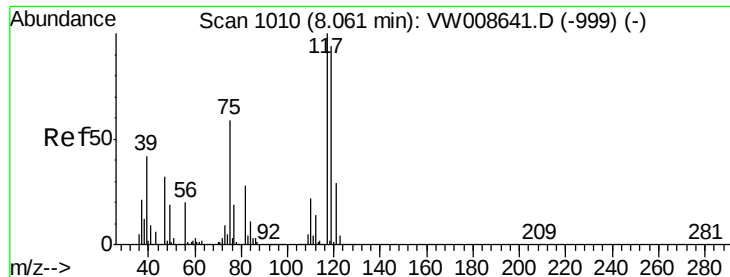
Delta R.T. -0.07 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

Tgt Ion:	43	Resp:	9261
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.5	15.7#
70	0.3	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 6.454 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

Instrument :

MSVOA_W

ClientSampled :

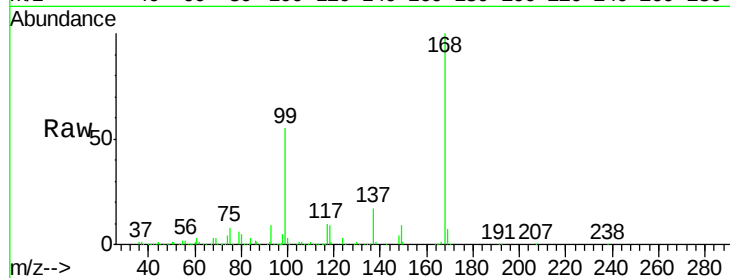
Tot Ion:117 Resp: 37504

Ion Ratio Lower Upper

117 100

119 7.2 75.1 112.7#

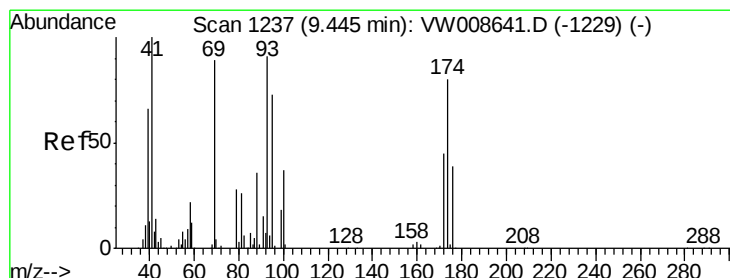
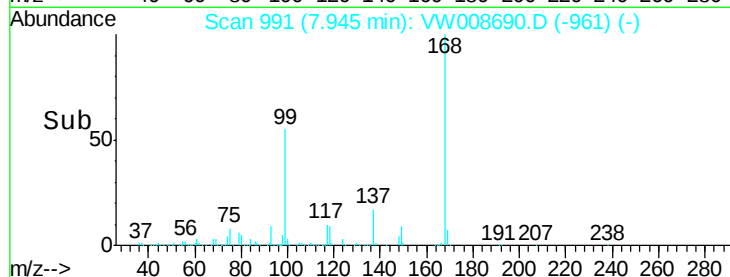
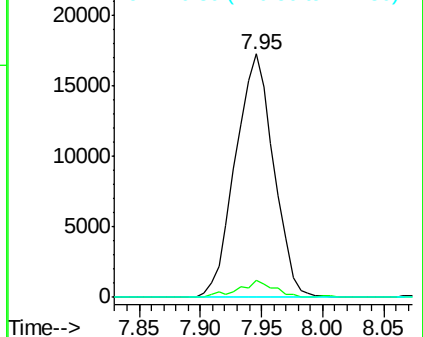
121 0.0 23.5 35.3#



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: 1.181 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

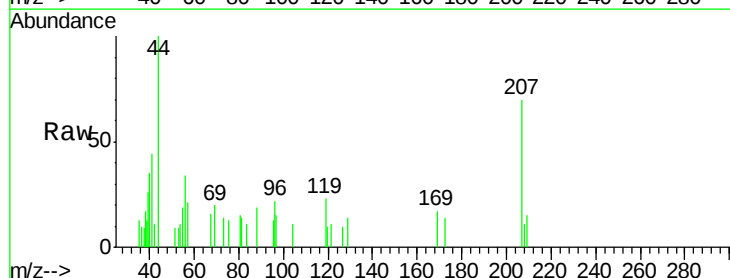
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 163.4 31.0 46.6#

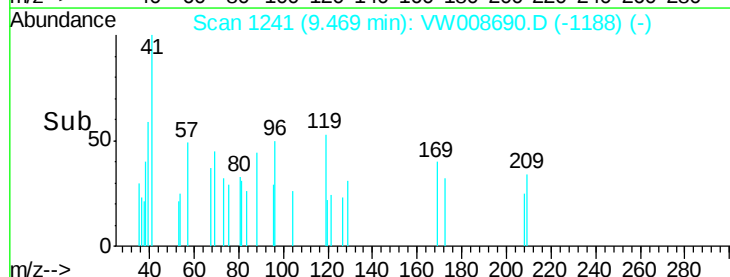
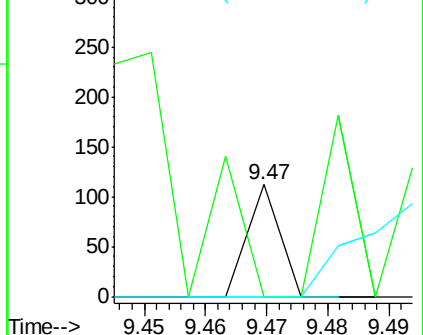
58 0.0 57.0 85.6#

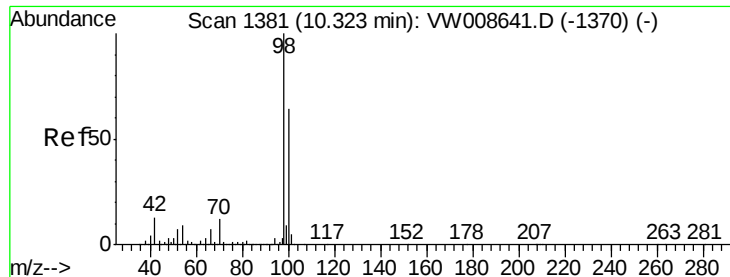


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.972 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

Instrument :

MSVOA_W

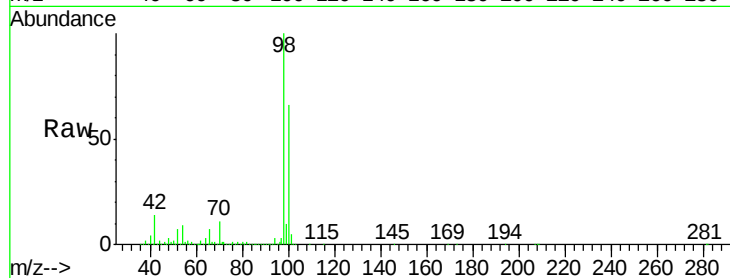
ClientSampleId :

Tot Ion: 98 Resp: 695718

Ion Ratio Lower Upper

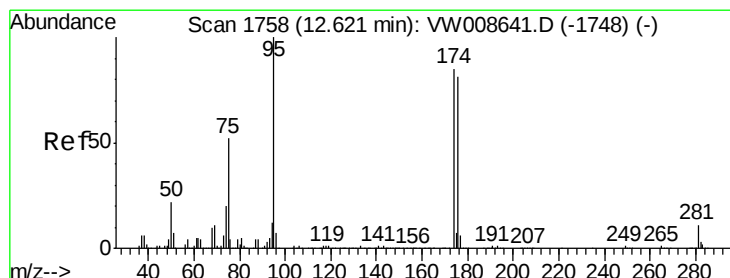
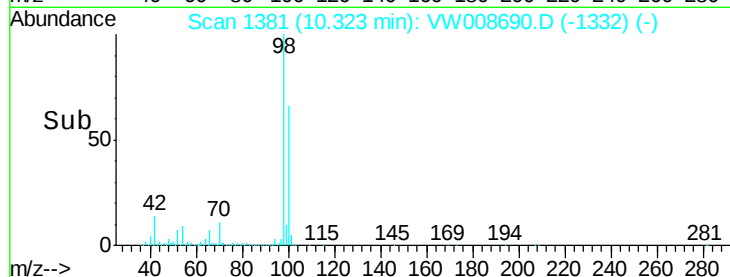
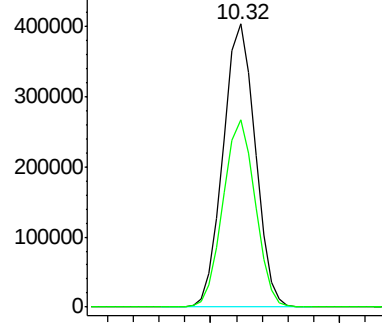
98 100

100 66.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 48.036 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

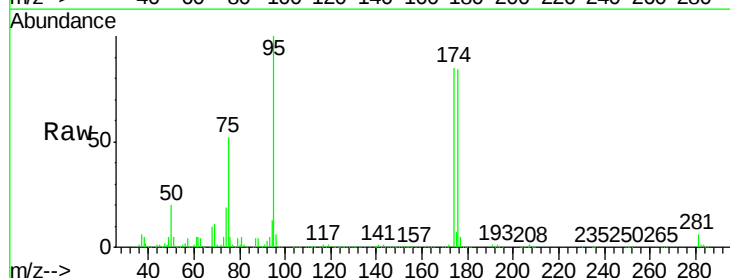
Tgt Ion: 95 Resp: 251905

Ion Ratio Lower Upper

95 100

174 85.2 0.0 163.2

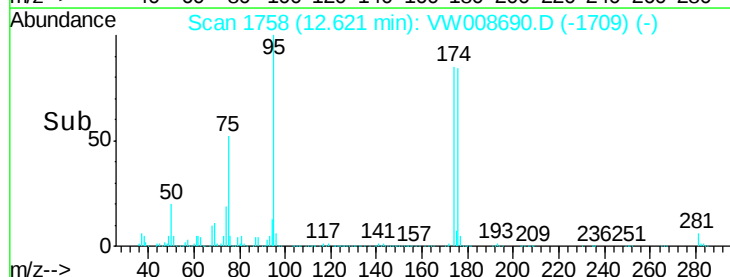
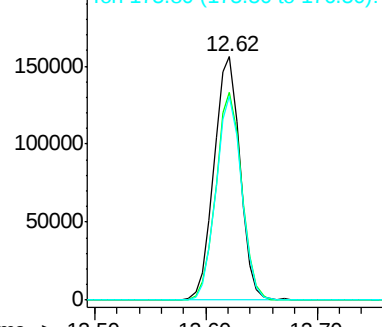
176 83.1 0.0 158.0

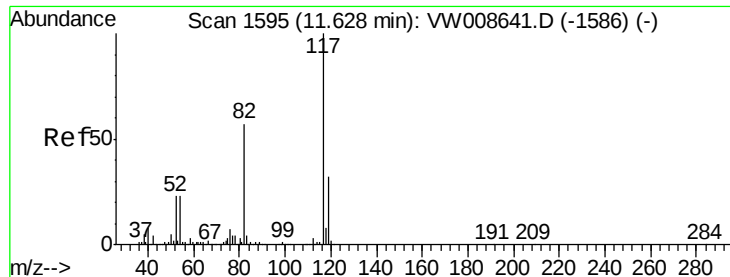


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

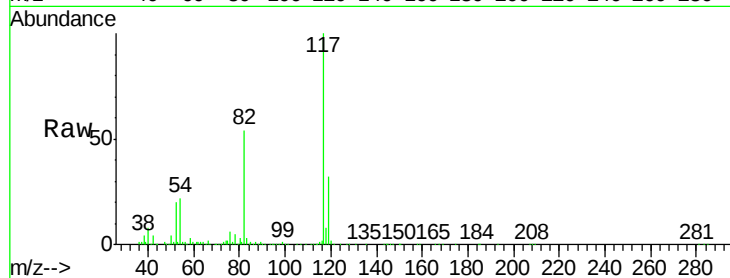
Tot Ion:117 Resp: 524597

Ion Ratio Lower Upper

117 100

82 54.1 45.6 68.4

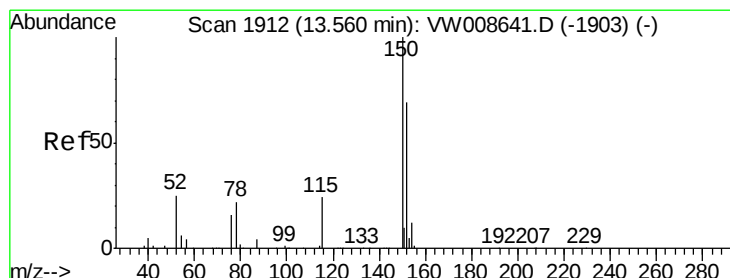
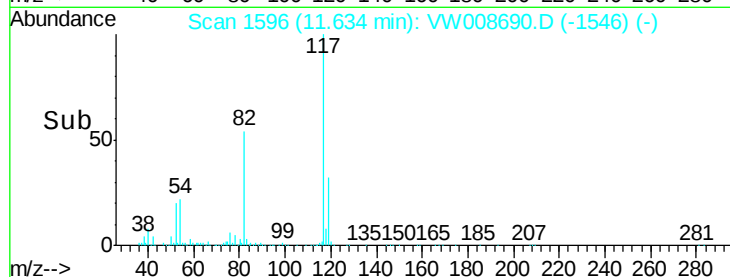
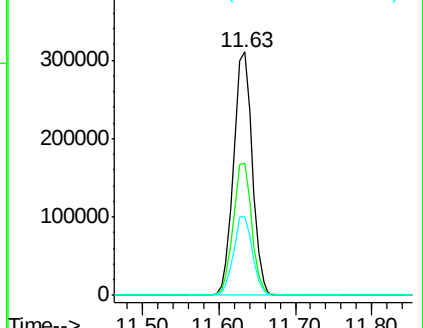
119 32.3 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

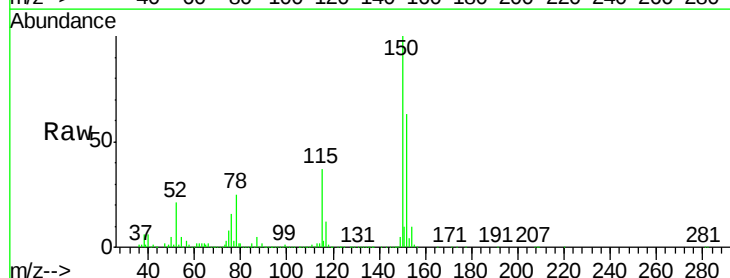
Tgt Ion:152 Resp: 265249

Ion Ratio Lower Upper

152 100

115 57.5 29.3 87.8

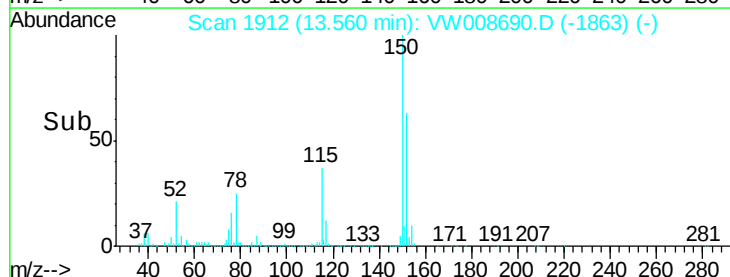
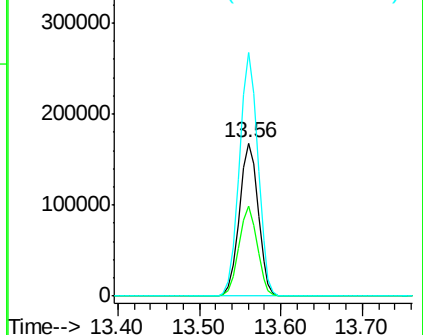
150 156.5 0.0 352.8

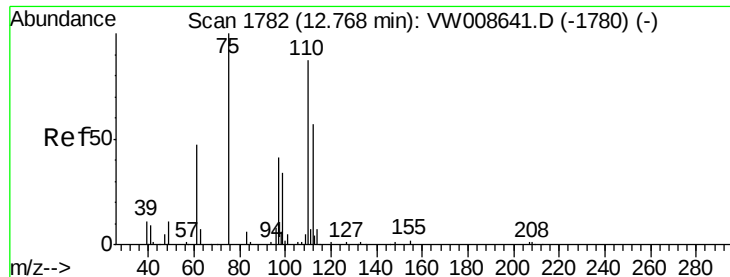


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 51.114 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

Instrument :

MSVOA_W

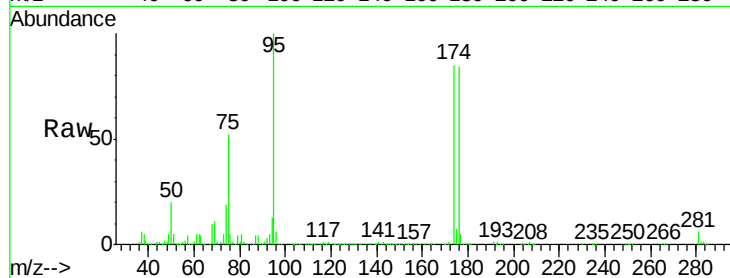
ClientSampleId :

Tot Ion: 75 Resp: 133878

Ion Ratio Lower Upper

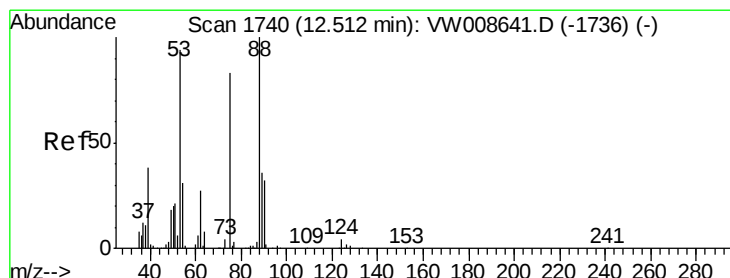
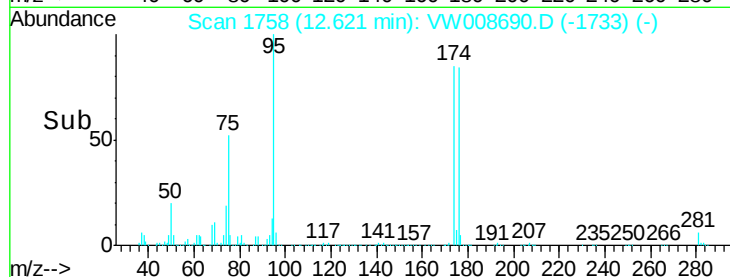
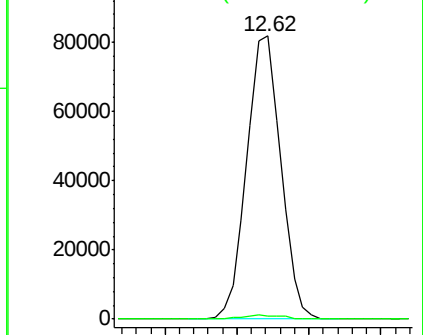
75 100

77 1.6 0.0 0.0#



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: 109.537 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008690.D

Acq: 15 Feb 2019 17:45

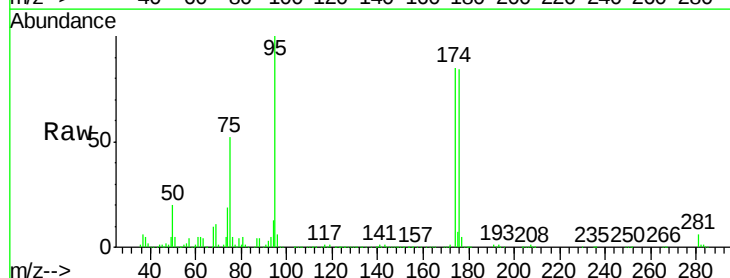
Tgt Ion: 75 Resp: 133878

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

