

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008692.D
 Acq On : 15 Feb 2019 18:39
 Operator : SY/VA
 Sample : K1515-03
 Misc : 6.22G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:36:04 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	401981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	606922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	536413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	267699	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	220491	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	7.88	113	191217	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	10.32	98	716147	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.62	95	254579	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

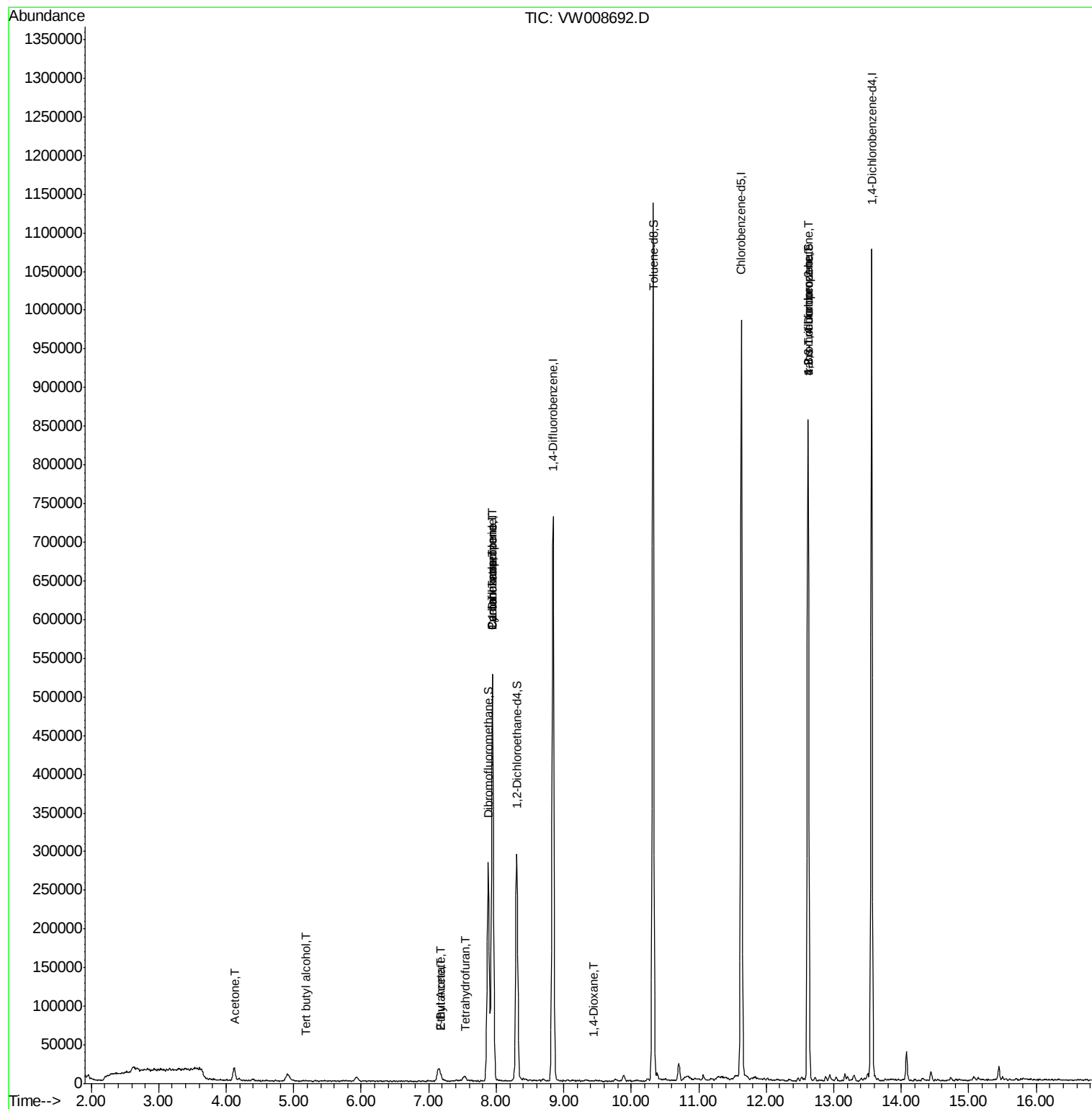
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	877	2.623	ug/l #	80
16) Acetone	4.12	43	29832	31.369	ug/l	89
20) Methylene Chloride	4.92	84	7837	Below Cal	#	73
25) 2-Butanone	7.18	43	9840	7.328	ug/l	96
29) Tetrahydrofuran	7.53	42	5302	5.990	ug/l	94
31) Cyclohexane	7.95	56	9679	1.266	ug/l #	44
36) 1,1-Dichloropropene	7.94	75	30043	4.927	ug/l #	51
37) Ethyl Acetate	7.18	43	9840	3.345	ug/l #	70
38) Carbon Tetrachloride	7.95	117	37684	6.215	ug/l #	16
49) 1,4-Dioxane	9.45	88	65	1.794	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	134128	50.741	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	134128	108.755	ug/l #	6

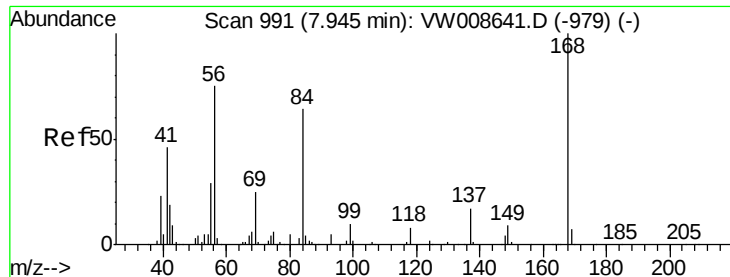
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW008692.D

Acq: 15 Feb 2019 18:39

Instrument :

MSVOA_W

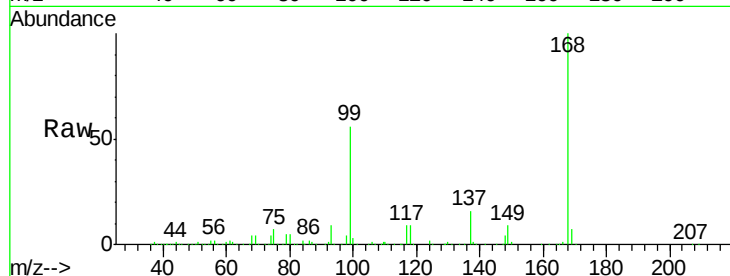
ClientSampled :

Tot Ion:168 Resp: 401981

Ion Ratio Lower Upper

168 100

99 55.8 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

200000

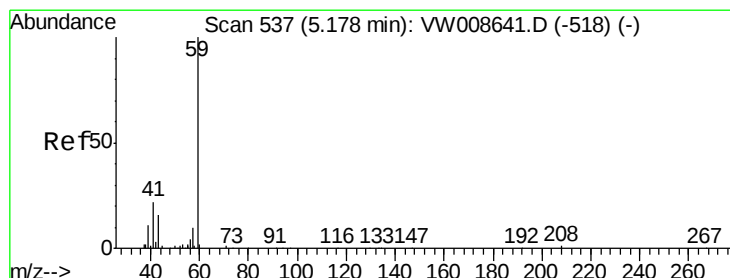
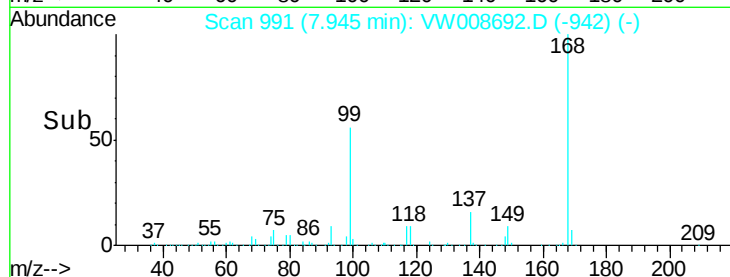
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.623 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW008692.D

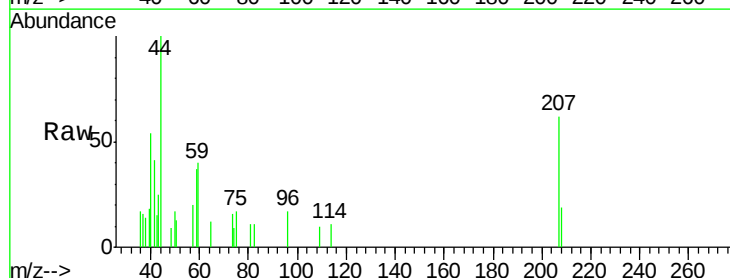
Acq: 15 Feb 2019 18:39

Tgt Ion: 59 Resp: 877

Ion Ratio Lower Upper

59 100

57 18.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

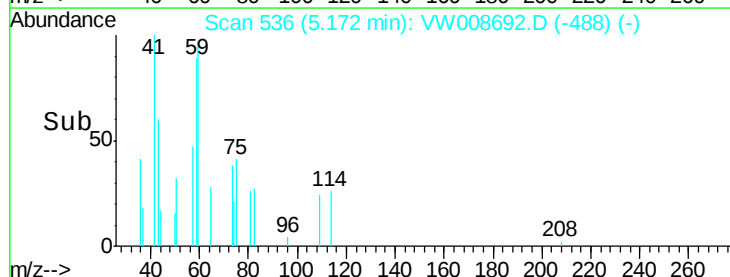
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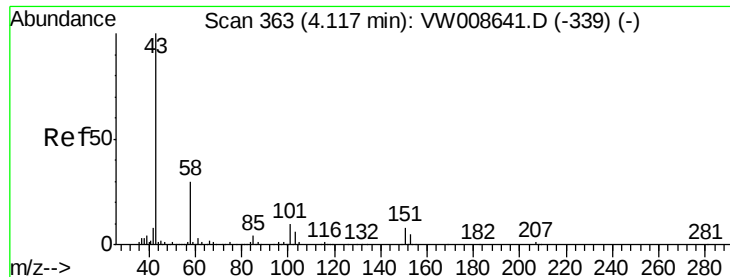
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100

0

Time-->

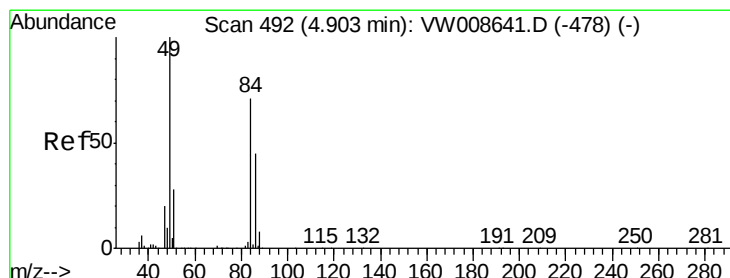
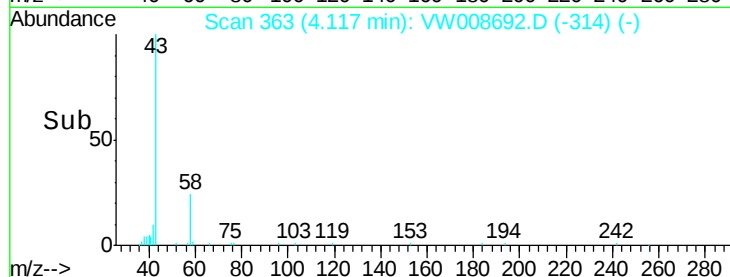
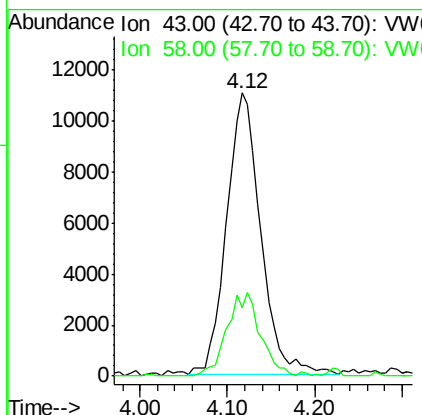
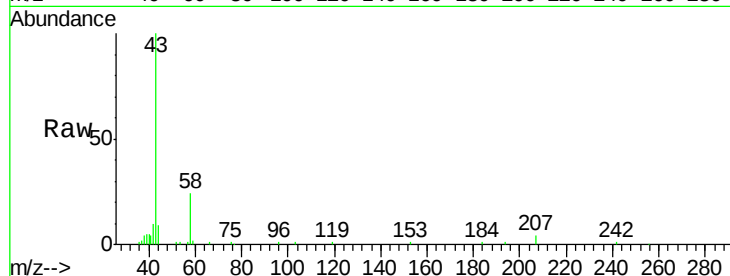




#16
Acetone
Concen: 31.369 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008692.D
Acq: 15 Feb 2019 18:39

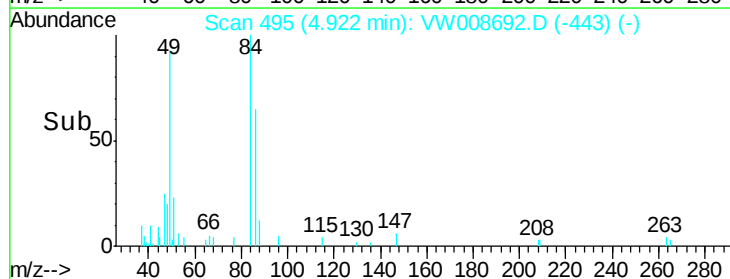
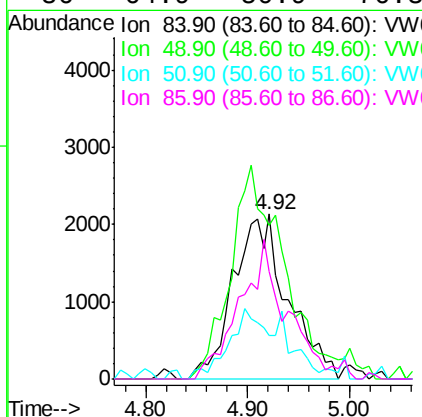
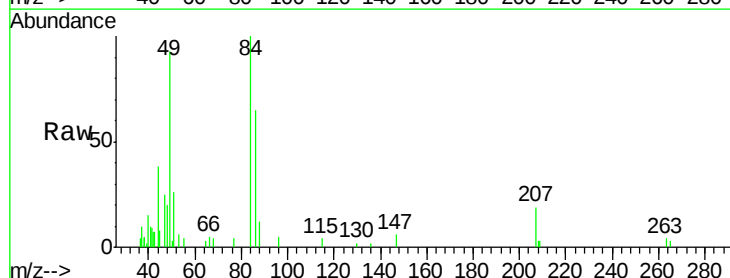
Instrument :
MSVOA_W
ClientSampleId :

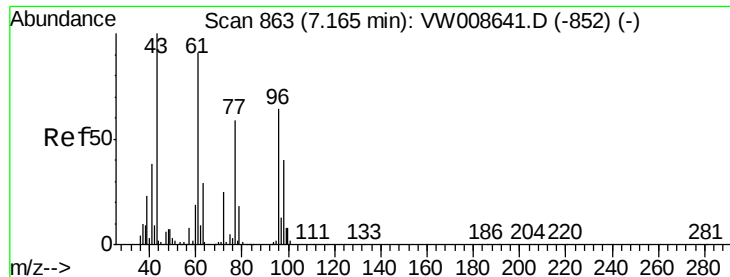
Tot Ion: 43 Resp: 29832
Ion Ratio Lower Upper
43 100
58 24.3 24.1 36.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.02 min
Lab File: VW008692.D
Acq: 15 Feb 2019 18:39

Tgt Ion: 84 Resp: 7837
Ion Ratio Lower Upper
84 100
49 92.7 113.3 169.9#
51 26.3 32.1 48.1#
86 64.9 50.9 76.3





#25

2-Butanone

Concen: 7.328 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW008692.D

Acq: 15 Feb 2019 18:39

Instrument :

MSVOA_W

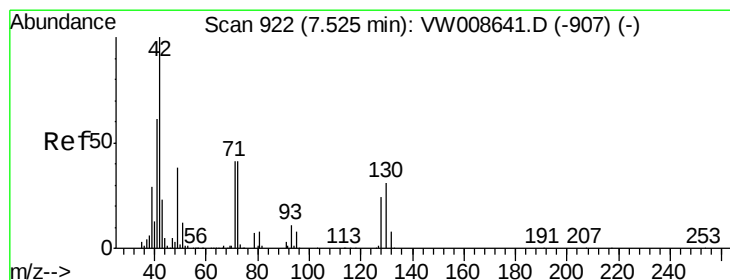
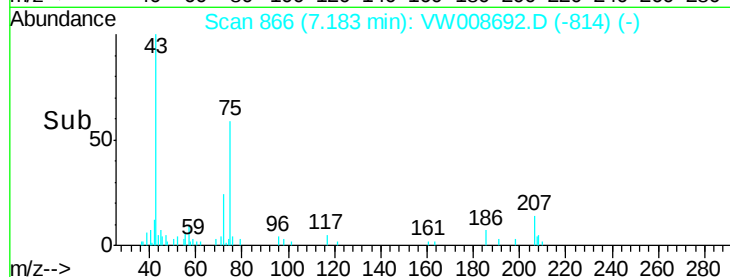
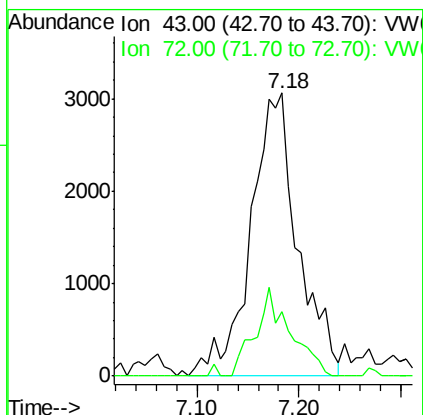
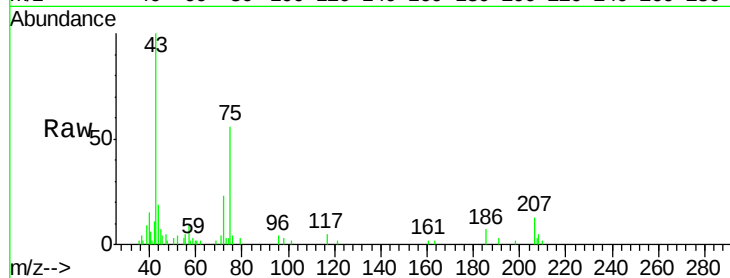
ClientSampleId :

Tot Ion: 43 Resp: 9840

Ion Ratio Lower Upper

43 100

72 22.7 19.7 29.5



#29

Tetrahydrofuran

Concen: 5.990 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW008692.D

Acq: 15 Feb 2019 18:39

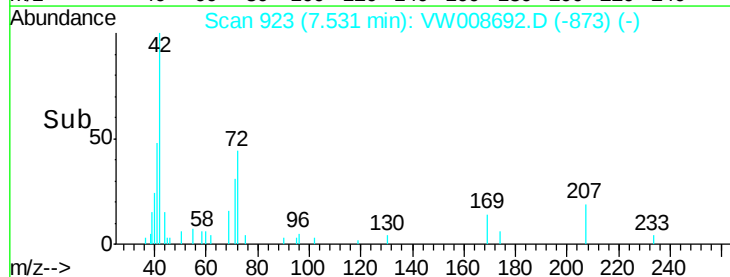
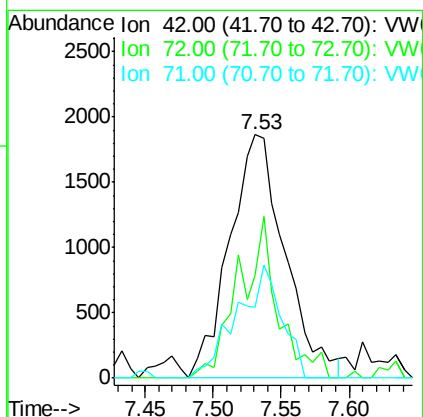
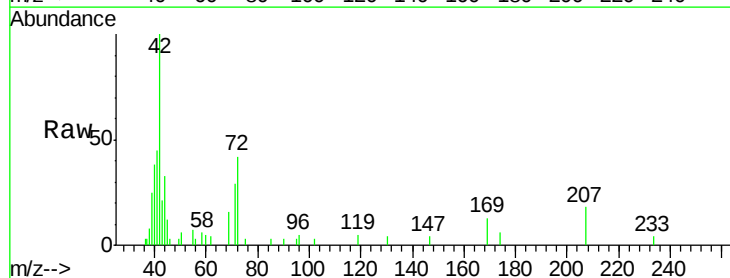
Tgt Ion: 42 Resp: 5302

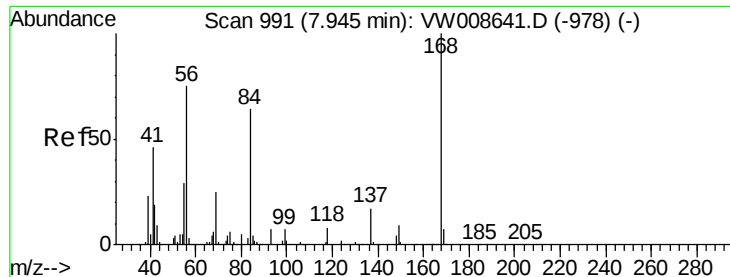
Ion Ratio Lower Upper

42 100

72 47.0 32.2 48.2

71 37.7 31.0 46.6

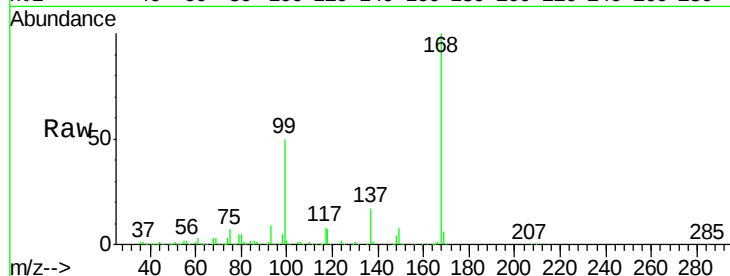




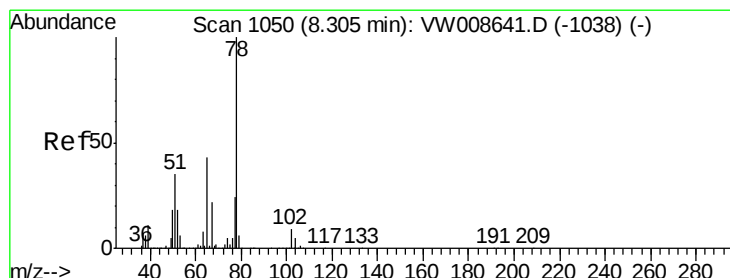
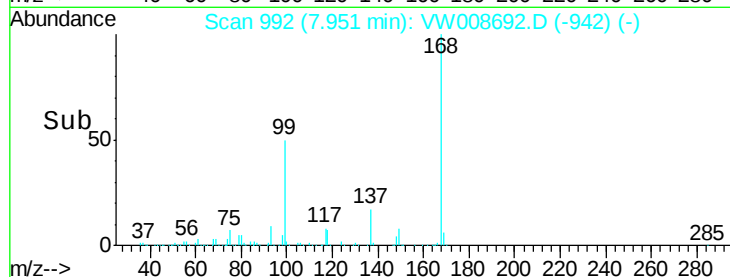
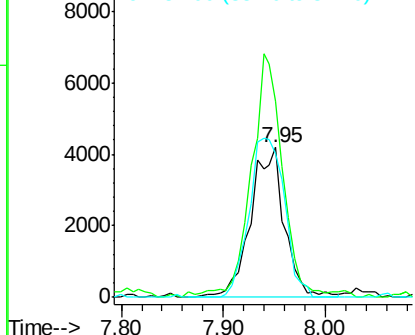
#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008692.D
Acq: 15 Feb 2019 18:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 9679
Ion Ratio Lower Upper
56 100
69 127.1 26.4 39.6#
84 95.5 67.4 101.2

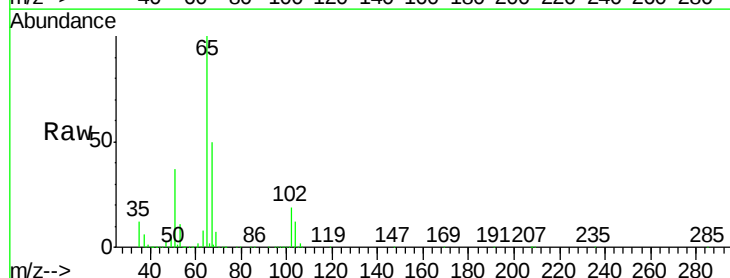


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

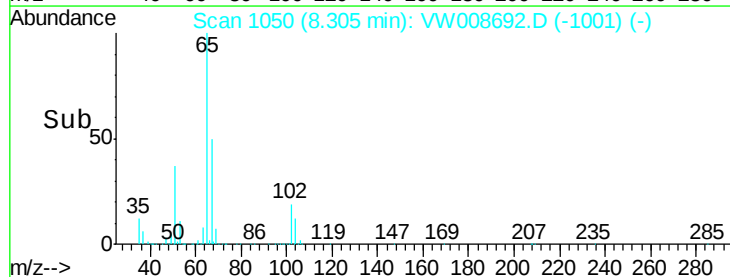
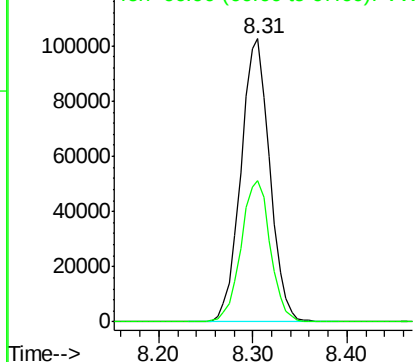


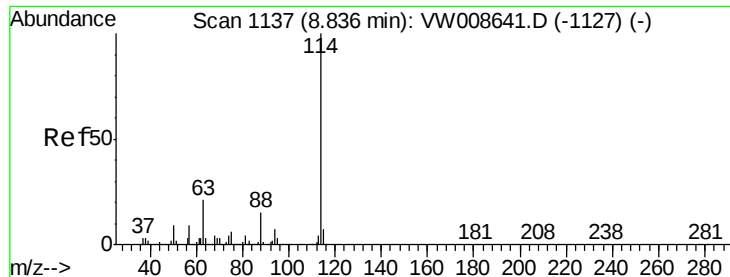
#33
1,2-Dichloroethane-d4
Concen: 52.760 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008692.D
Acq: 15 Feb 2019 18:39

Tgt Ion: 65 Resp: 220491
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.0



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

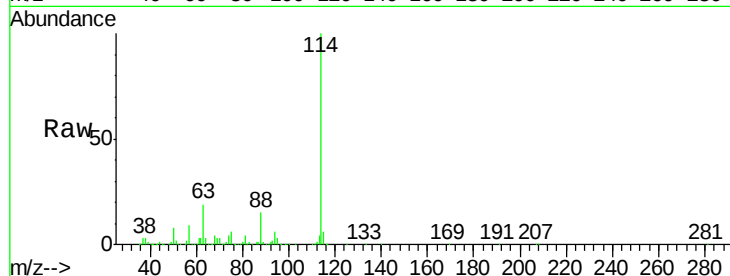




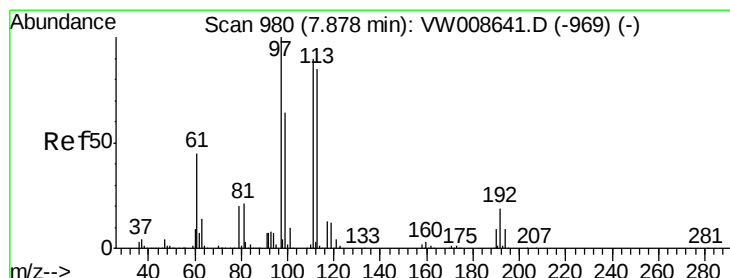
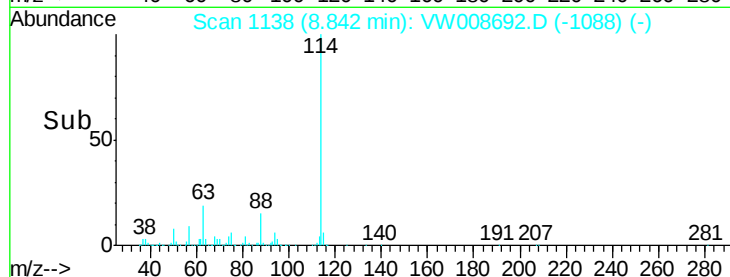
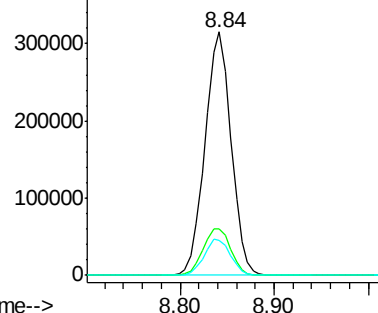
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008692.D
 Acq: 15 Feb 2019 18:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	14.5	0.0	29.6

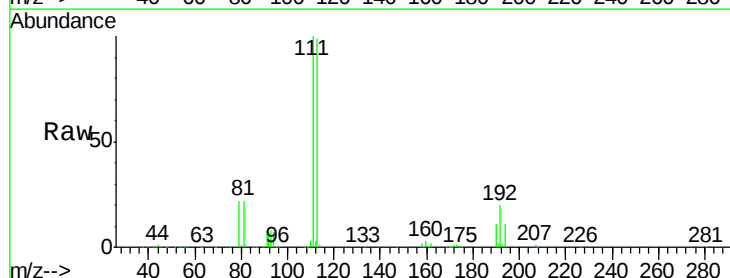


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

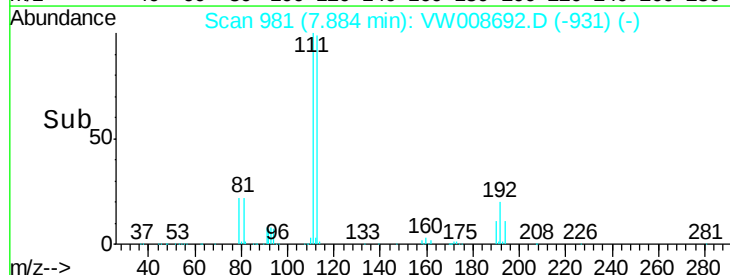
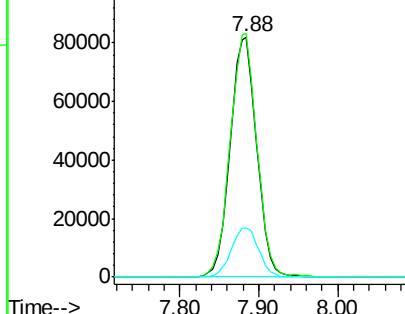


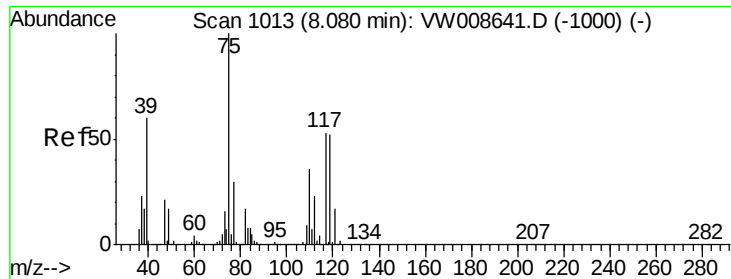
#35
 Dibromofluoromethane
 Concen: 50.739 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW008692.D
 Acq: 15 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.0	126.0
192	21.2	17.4	26.2



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

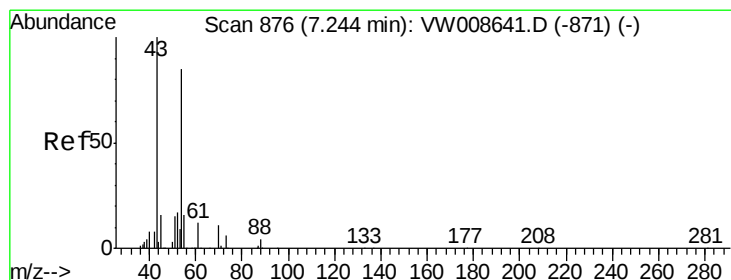
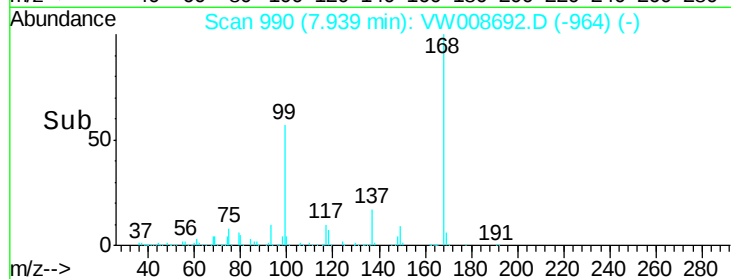
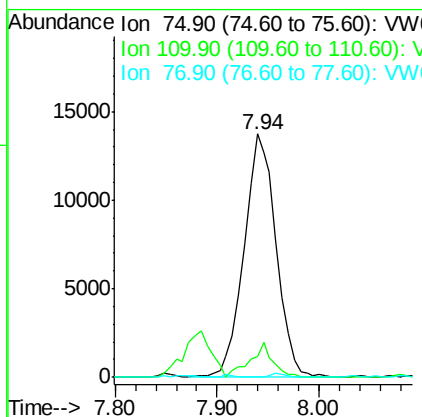
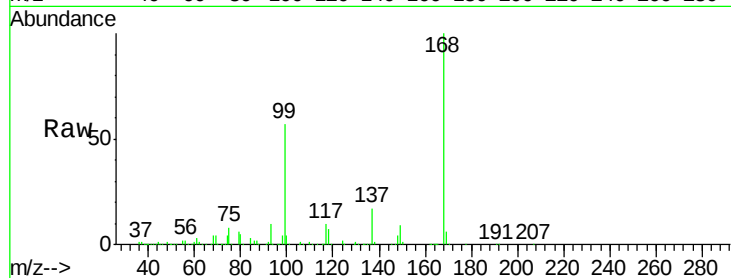




#36
 1,1-Dichloropropene
 Concen: 4.927 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008692.D
 Acq: 15 Feb 2019 18:39

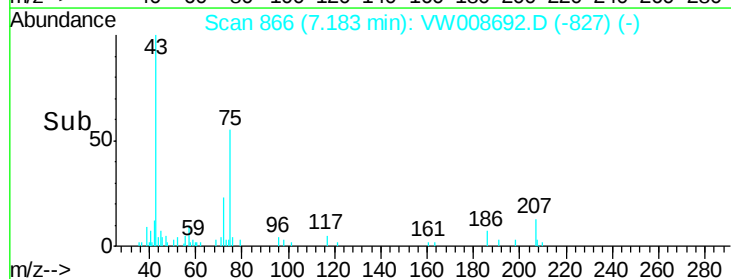
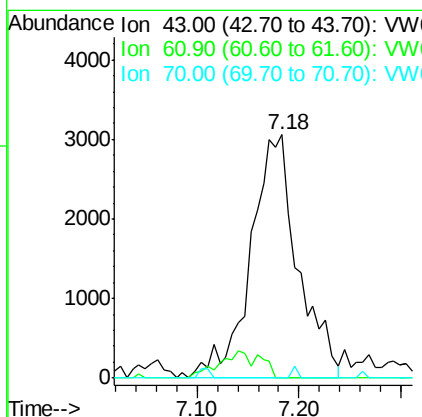
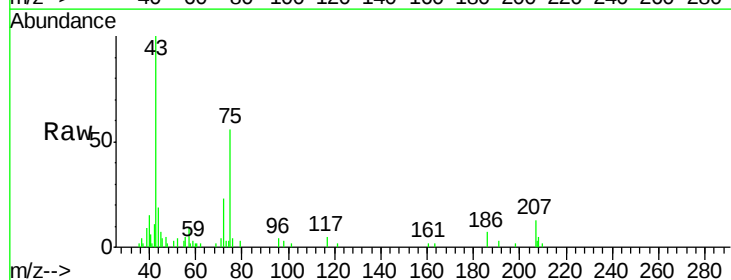
Instrument :
 MSVOA_W
 ClientSampled :

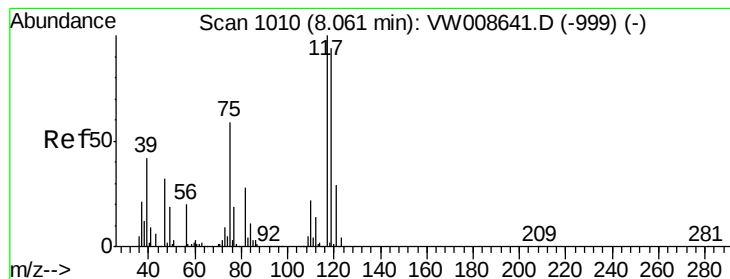
Tot Ion	75	Resp	30043
Ion Ratio	Lower	Upper	
75	100		
110	10.0	17.8	53.3#
77	0.7	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 3.345 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.06 min
 Lab File: VW008692.D
 Acq: 15 Feb 2019 18:39

Tgt Ion	43	Resp	9840
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.5	15.7#
70	0.6	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 6.215 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008692.D

Acq: 15 Feb 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

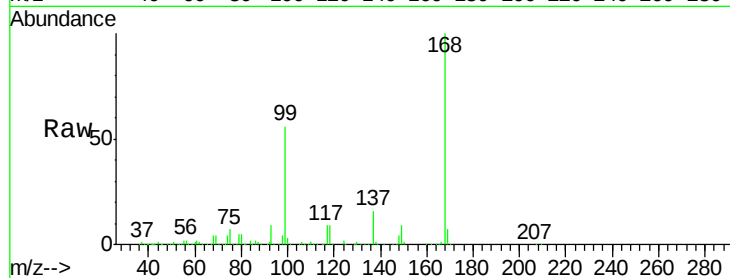
Tot Ion:117 Resp: 37684

Ion Ratio Lower Upper

117 100

119 4.0 75.1 112.7#

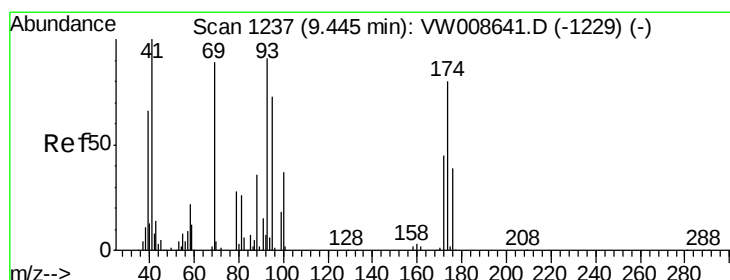
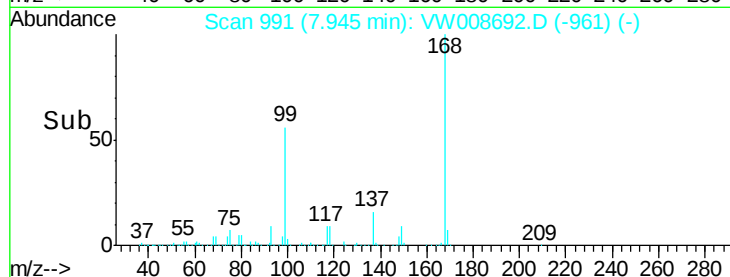
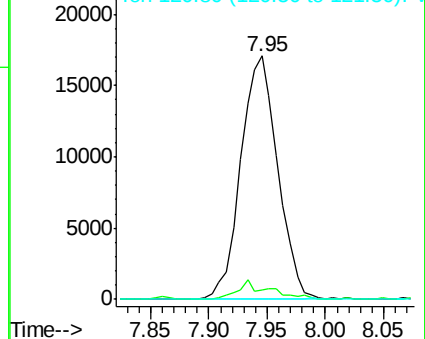
121 0.0 23.5 35.3#



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: 1.794 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW008692.D

Acq: 15 Feb 2019 18:39

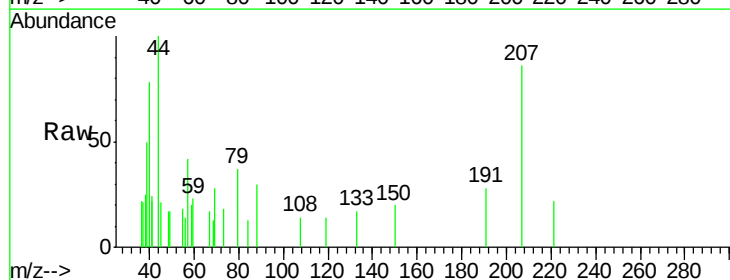
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.6#

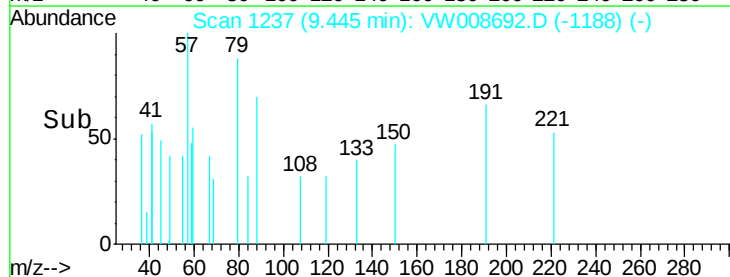
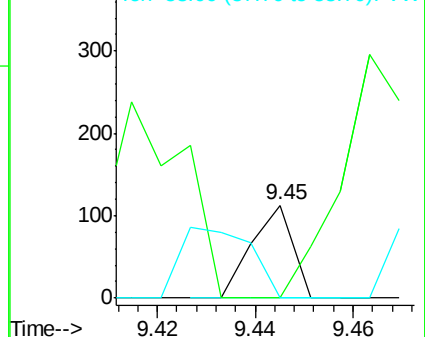
58 0.0 57.0 85.6#

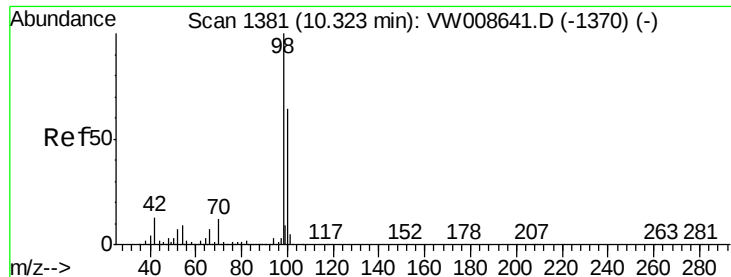


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.296 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008692.D

Acq: 15 Feb 2019 18:39

Instrument :

MSVOA_W

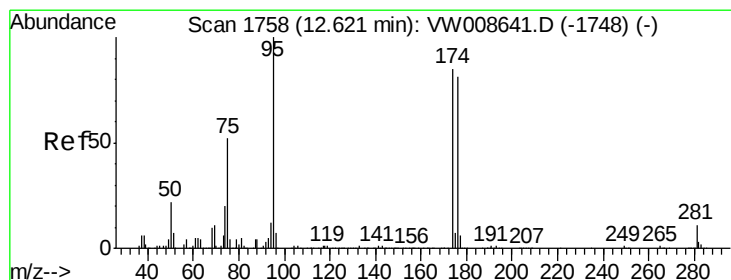
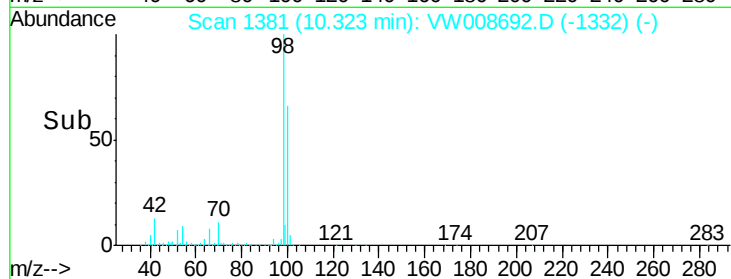
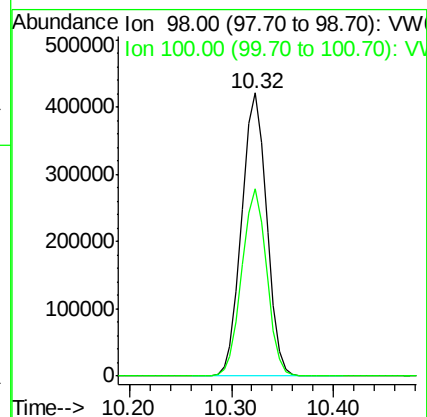
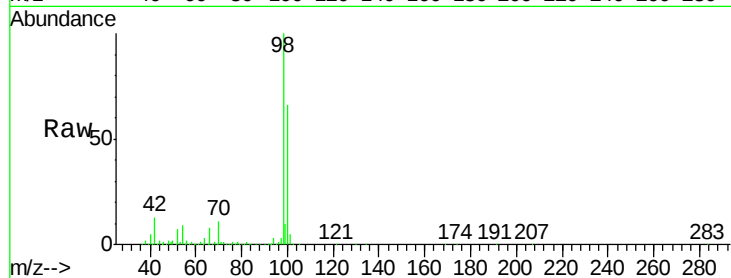
ClientSampleId :

Tot Ion: 98 Resp: 716147

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 46.524 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008692.D

Acq: 15 Feb 2019 18:39

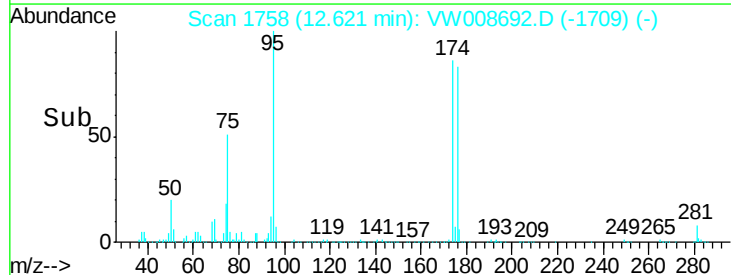
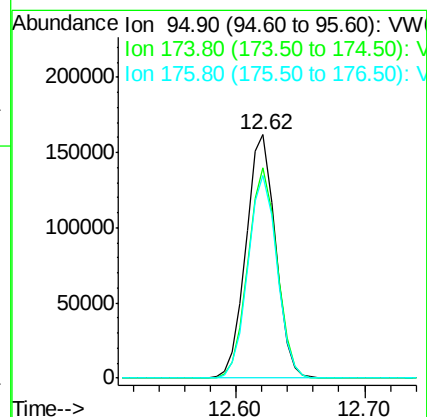
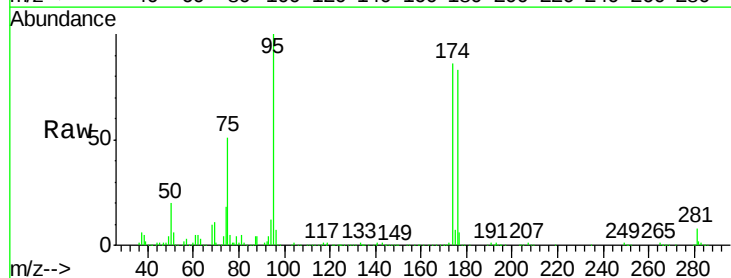
Tgt Ion: 95 Resp: 254579

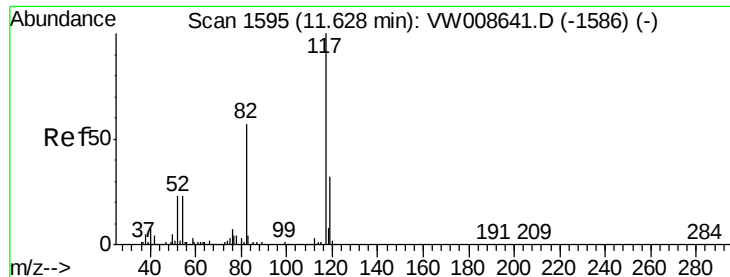
Ion Ratio Lower Upper

95 100

174 85.6 0.0 163.2

176 82.1 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008692.D

Acq: 15 Feb 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

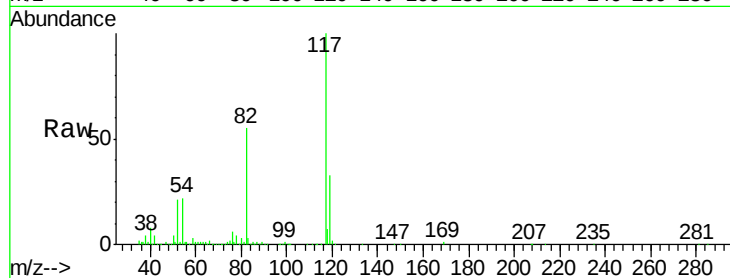
Tot Ion:117 Resp: 536413

Ion Ratio Lower Upper

117 100

82 54.8 45.6 68.4

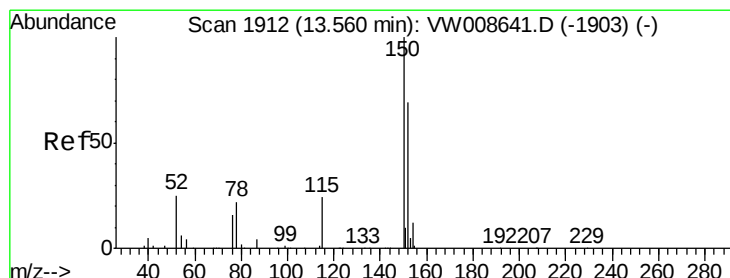
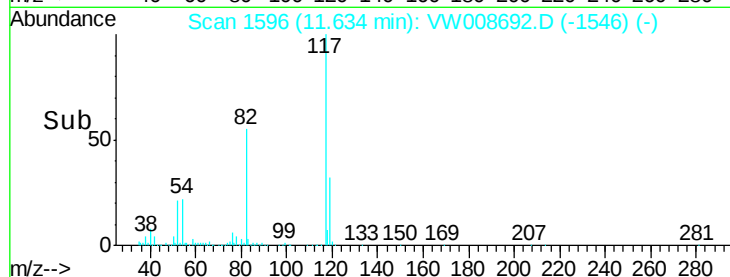
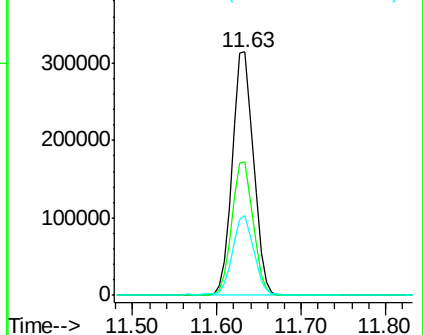
119 32.6 25.7 38.5



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: VW008692.D

Acq: 15 Feb 2019 18:39

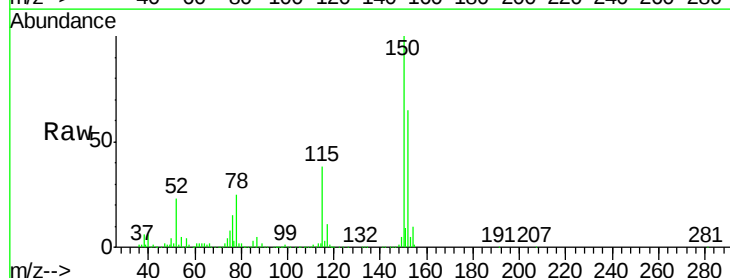
Tgt Ion:152 Resp: 267699

Ion Ratio Lower Upper

152 100

115 57.8 29.3 87.8

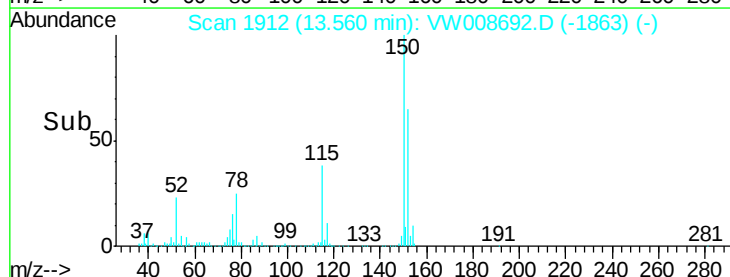
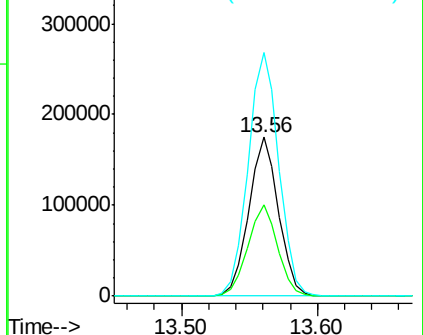
150 158.0 0.0 352.8

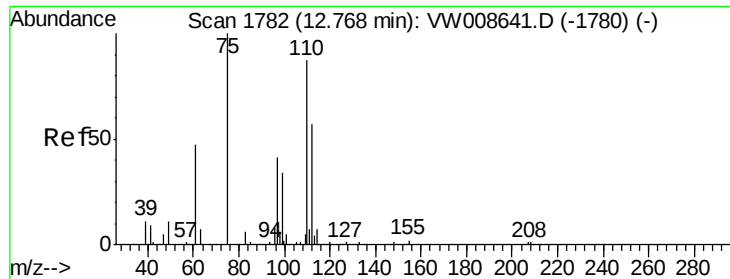


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

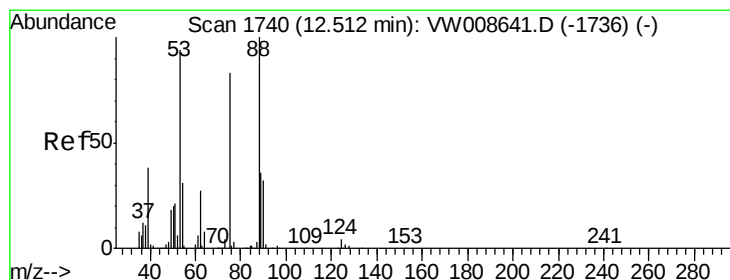
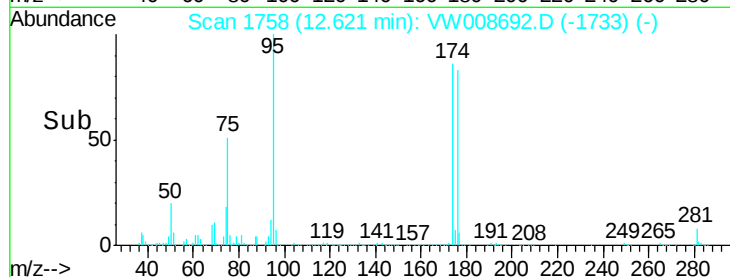
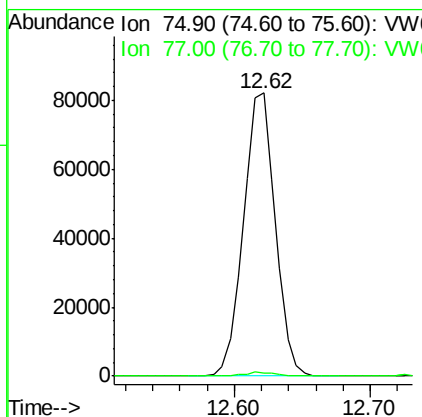
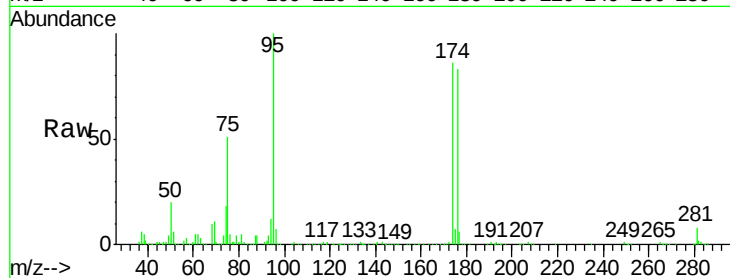




#76
 1,2,3-Trichloropropane
 Concen: 50.741 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008692.D
 Acq: 15 Feb 2019 18:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 134128
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.755 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008692.D
 Acq: 15 Feb 2019 18:39

Tgt Ion: 75 Resp: 134128
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.4 131.0#
 89 0.0 37.0 55.4#

