

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008679.D
 Acq On : 15 Feb 2019 12:49
 Operator : SY/VA
 Sample : K1502-01
 Misc : 8.46G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:33:17 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	385753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	585720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	481346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	193413	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	204708	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
35) Dibromofluoromethane	7.88	113	179376	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.32	98	680843	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.62	95	212179	40.18	ug/l	0.00
Spiked Amount			Recovery	=	80.36%	

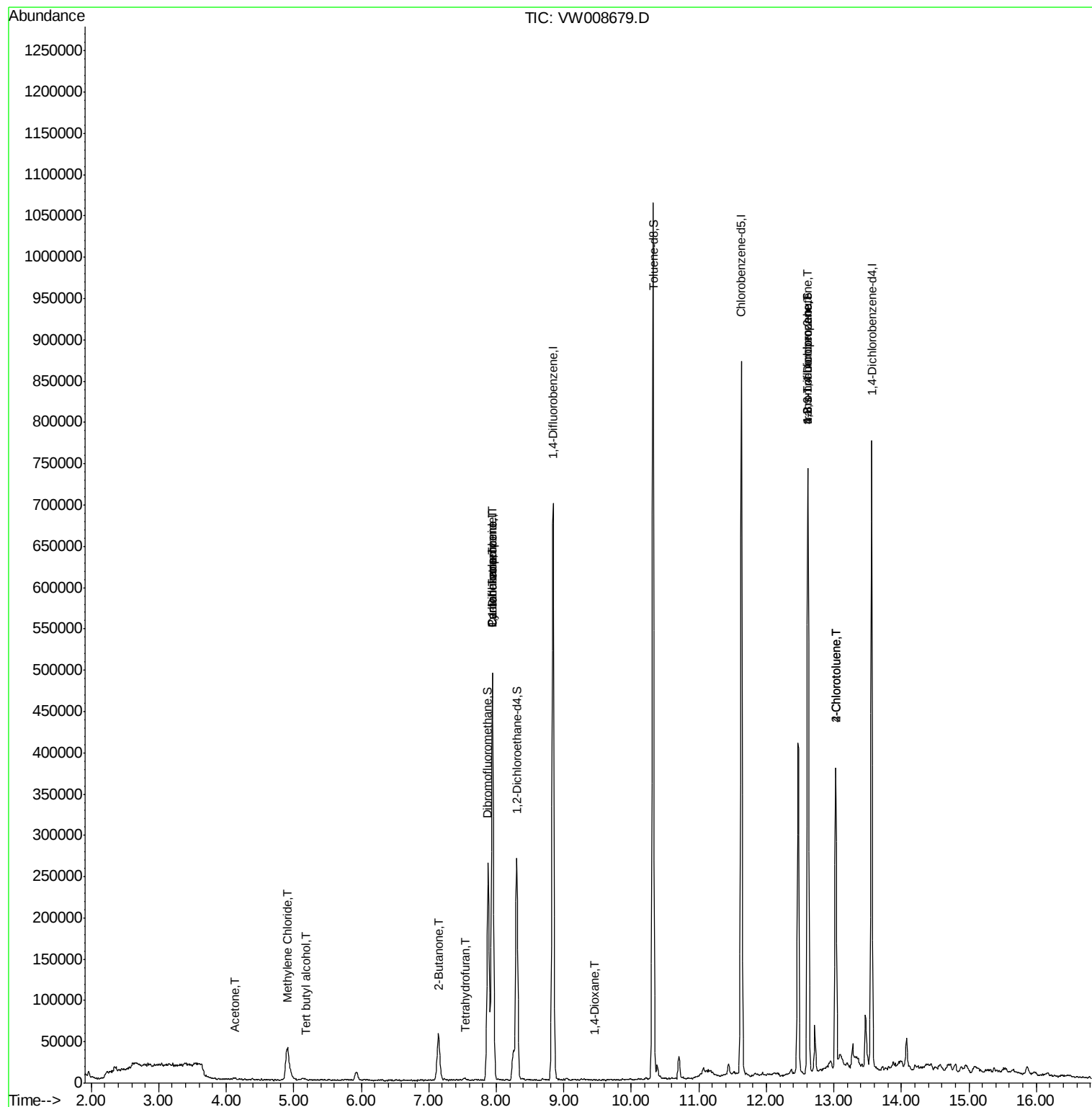
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	775	2.415	ug/l #	88
16) Acetone	4.12	43	2520	2.761	ug/l	94
20) Methylene Chloride	4.90	84	34835	1.671	ug/l	93
25) 2-Butanone	7.15	43	3629	2.816	ug/l #	89
29) Tetrahydrofuran	7.54	42	2204	2.595	ug/l #	82
31) Cyclohexane	7.95	56	9882	1.347	ug/l #	10
36) 1,1-Dichloropropene	7.94	75	29489	5.011	ug/l #	49
38) Carbon Tetrachloride	7.95	117	38010	6.496	ug/l #	18
49) 1,4-Dioxane	9.45	88	89	2.545	ug/l #	44
76) 1,2,3-Trichloropropane	12.62	75	112494	58.902	ug/l #	100
79) 2-Chlorotoluene	13.03	91	42253	4.367	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.62	75	112494	125.842	ug/l #	7
82) 4-Chlorotoluene	13.03	91	42253	4.121	ug/l #	41

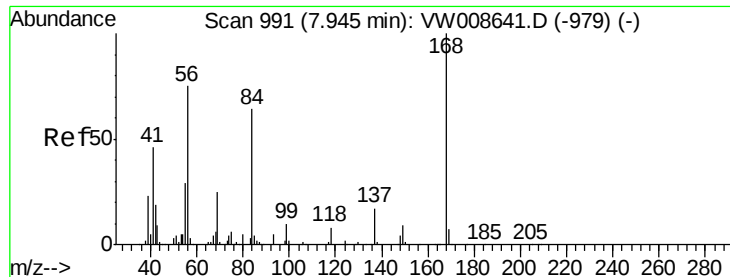
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008679.D

Acq: 15 Feb 2019 12:49

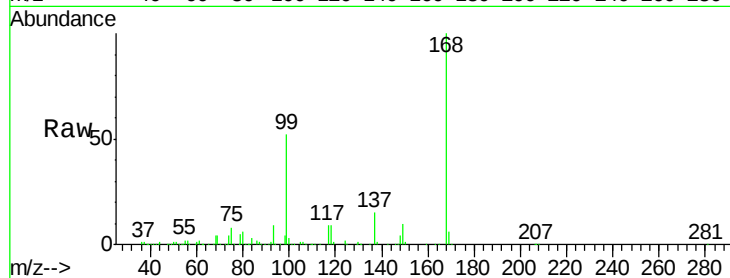
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 385753

Ion Ratio Lower Upper

168 100

99 52.3 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

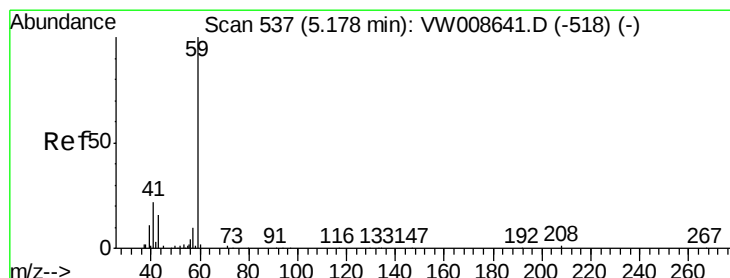
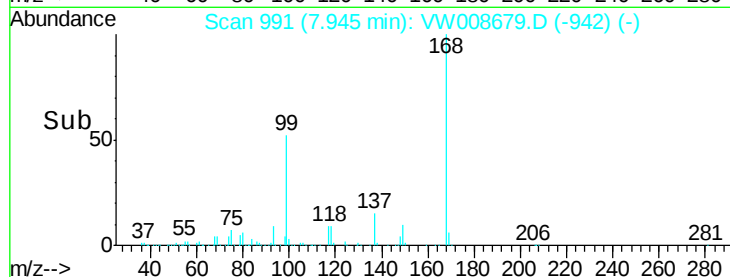
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.415 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW008679.D

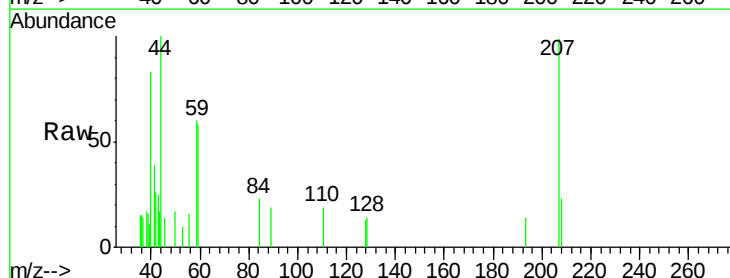
Acq: 15 Feb 2019 12:49

Tgt Ion: 59 Resp: 775

Ion Ratio Lower Upper

59 100

57 15.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

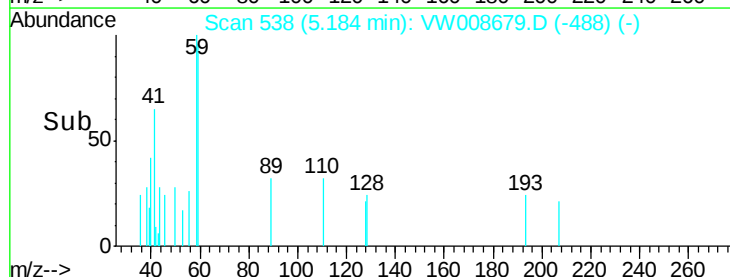
600

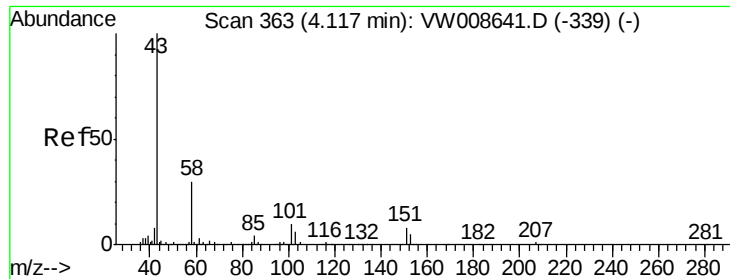
400

200

0

Time-->

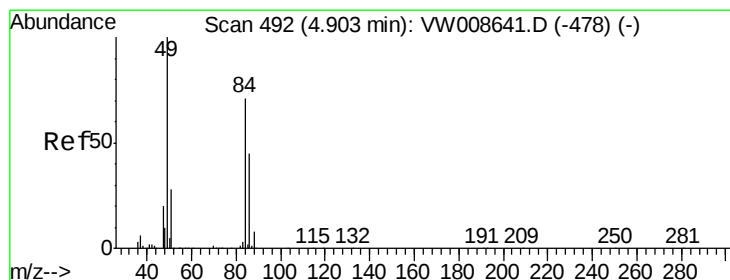
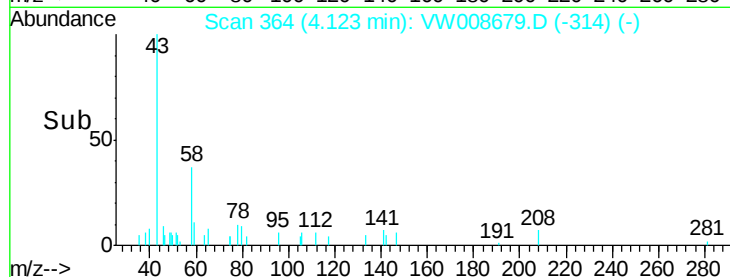
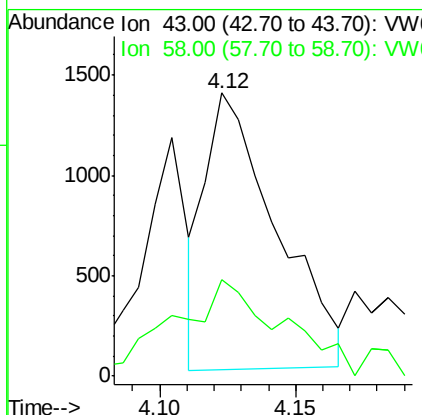
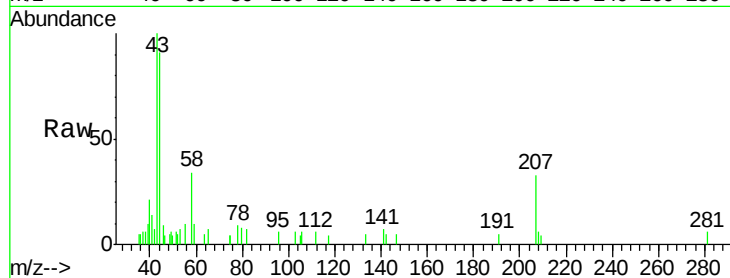




#16
Acetone
Concen: 2.761 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008679.D
Acq: 15 Feb 2019 12:49

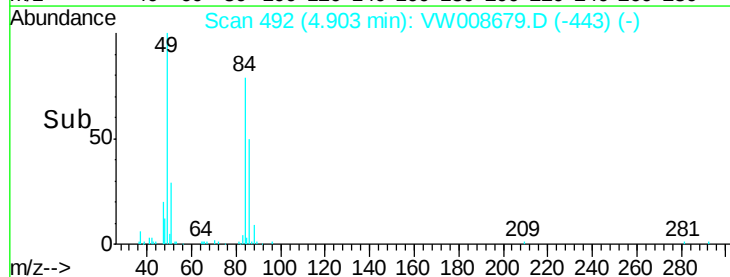
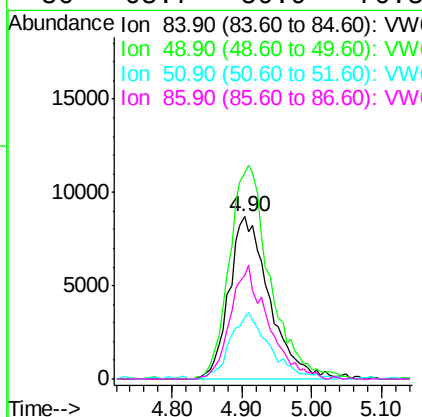
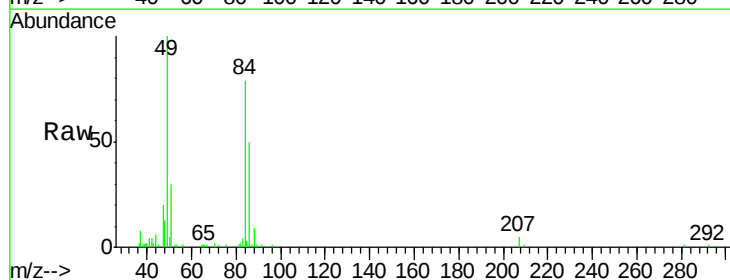
Instrument :
MSVOA_W
ClientSampled :

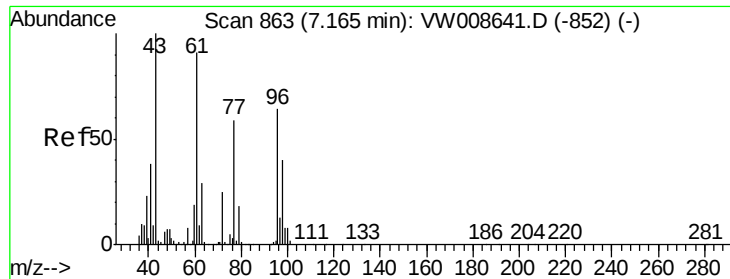
Tot Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
58 27.1 24.1 36.1



#20
Methylene Chloride
Concen: 1.671 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008679.D
Acq: 15 Feb 2019 12:49

Tgt Ion: 84 Resp: 34835
Ion Ratio Lower Upper
84 100
49 127.4 113.3 169.9
51 37.3 32.1 48.1
86 63.7 50.9 76.3





#25

2-Butanone

Concen: 2.816 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008679.D

Acq: 15 Feb 2019 12:49

Instrument :

MSVOA_W

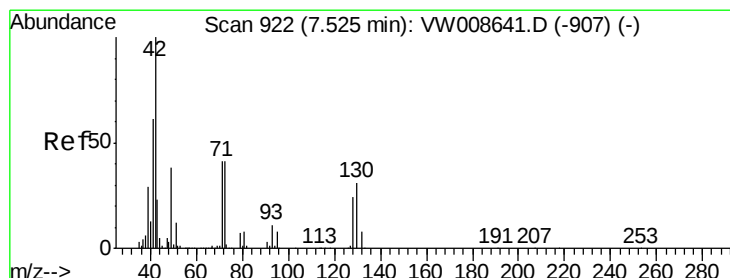
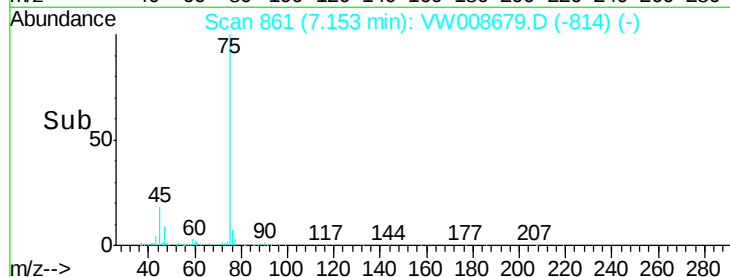
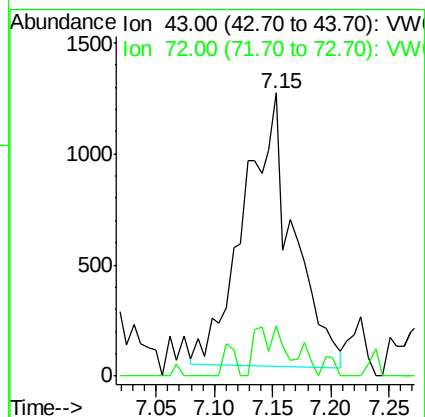
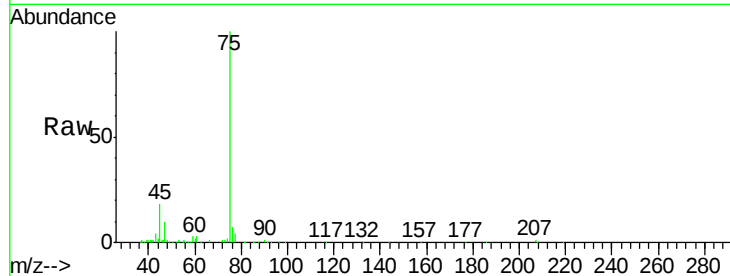
ClientSampled :

Tot Ion: 43 Resp: 3629

Ion Ratio Lower Upper

43 100

72 18.9 19.7 29.5#



#29

Tetrahydrofuran

Concen: 2.595 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008679.D

Acq: 15 Feb 2019 12:49

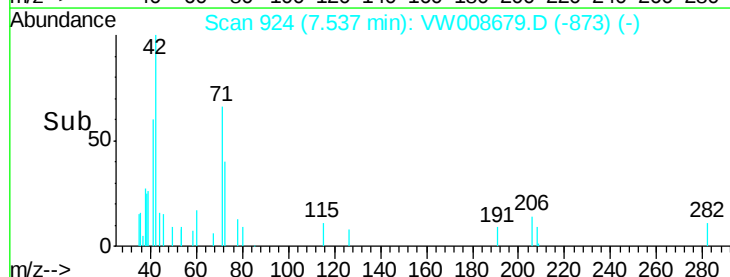
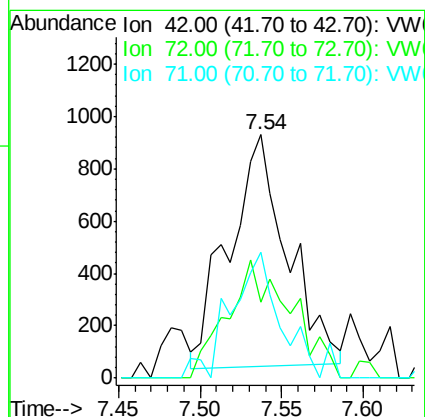
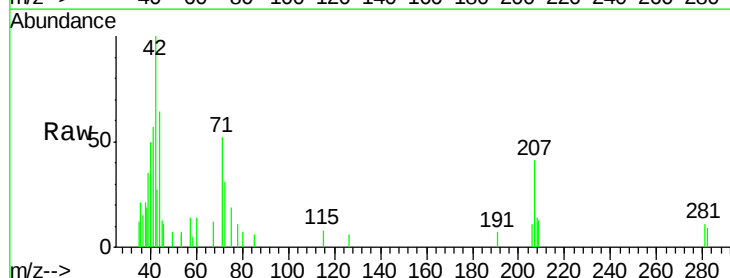
Tgt Ion: 42 Resp: 2204

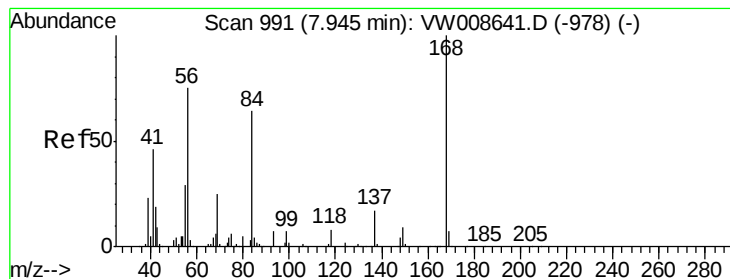
Ion Ratio Lower Upper

42 100

72 55.4 32.2 48.2#

71 46.1 31.0 46.6





#31

Cyclohexane

Concen: 1.347 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008679.D

Acq: 15 Feb 2019 12:49

Instrument :
MSVOA_W
ClientSampled :

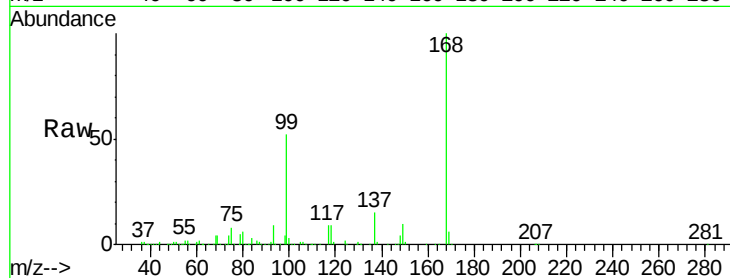
Tot Ion: 56 Resp: 9882

Ion Ratio Lower Upper

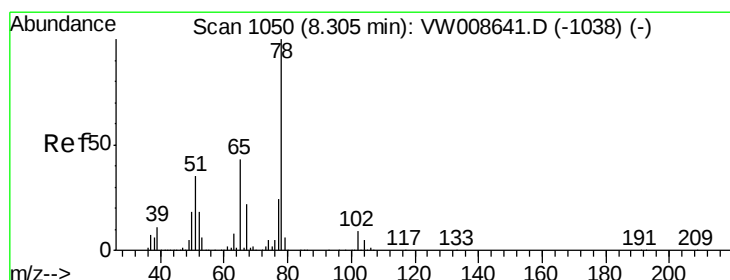
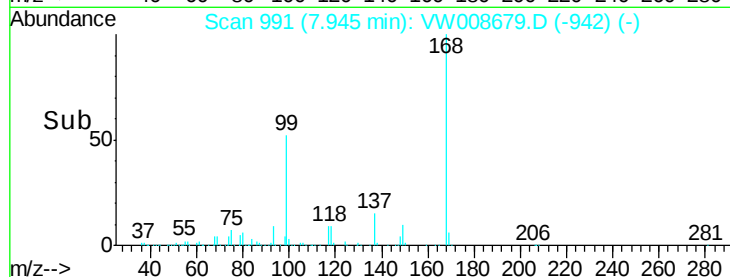
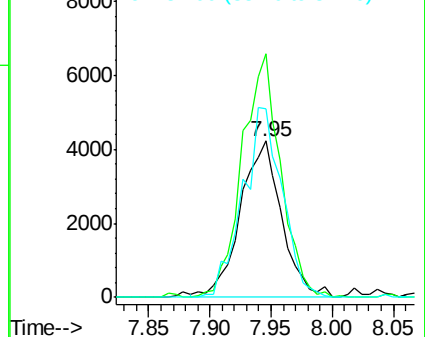
56 100

69 155.8 26.4 39.6#

84 121.0 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: 51.044 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008679.D

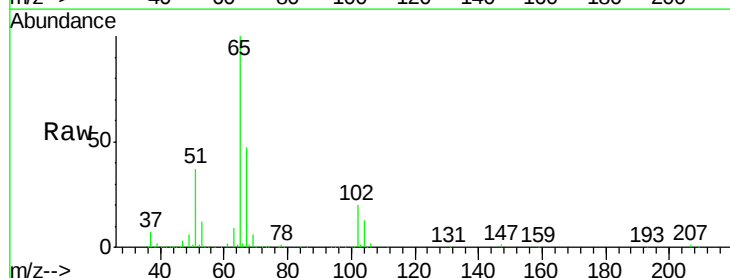
Acq: 15 Feb 2019 12:49

Tgt Ion: 65 Resp: 204708

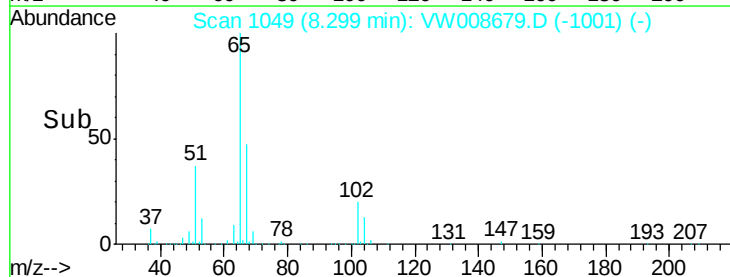
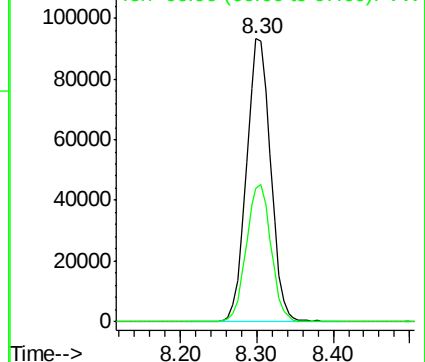
Ion Ratio Lower Upper

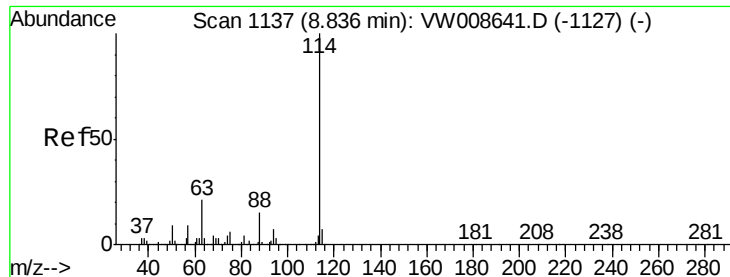
65 100

67 49.5 0.0 102.0



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

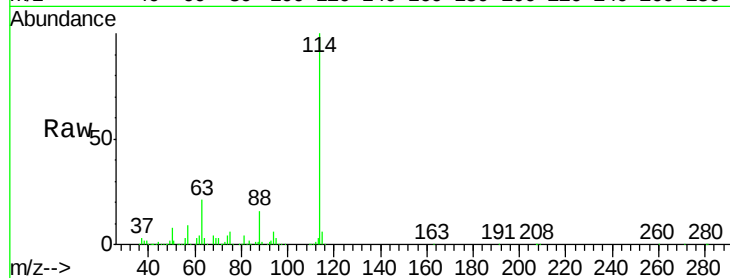




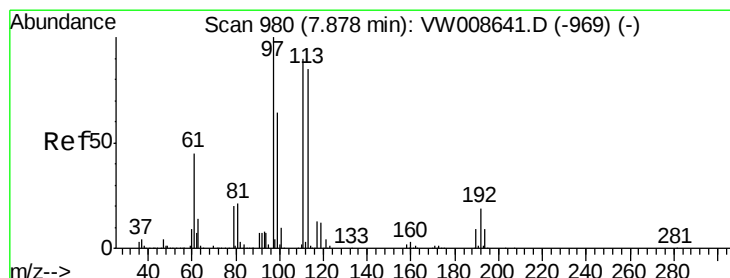
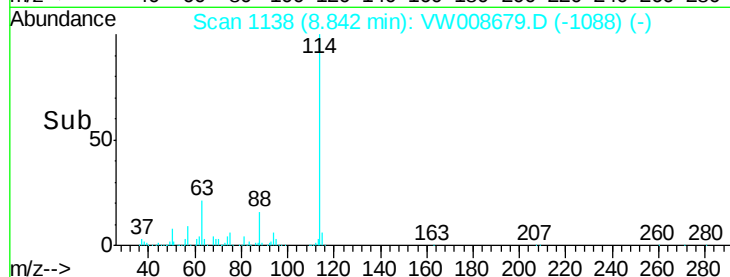
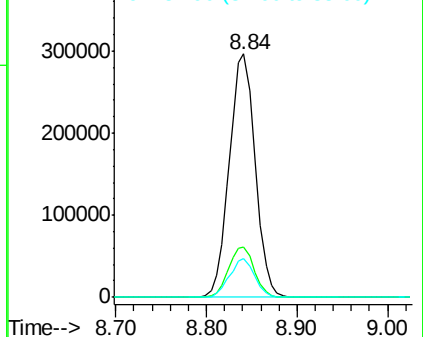
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VW008679.D
Acq: 15 Feb 2019 12:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.2
88	16.0	0.0	29.6

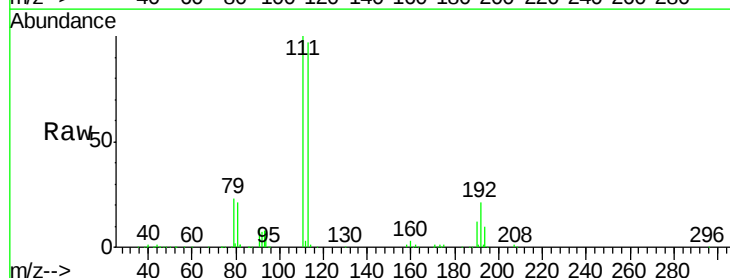


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VV
Ion 87.90 (87.60 to 88.60): VV

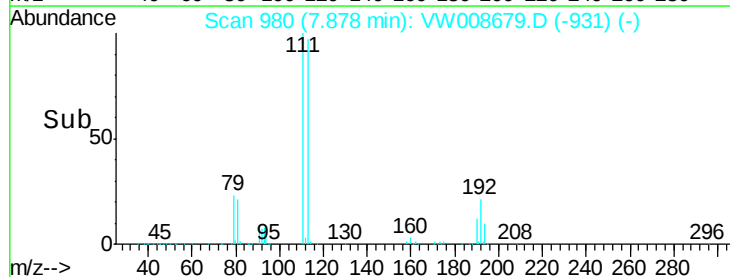
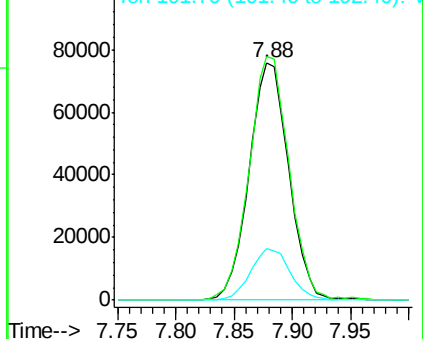


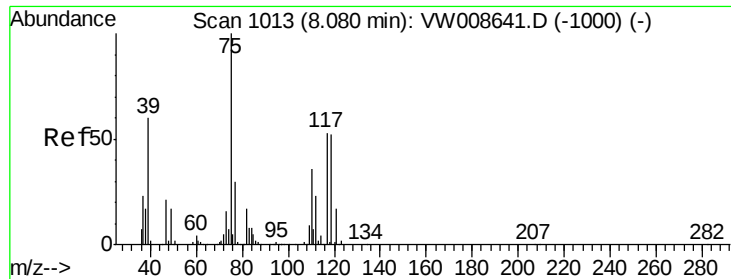
#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW008679.D
Acq: 15 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.0	126.0
192	21.8	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: 5.011 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008679.D

Acq: 15 Feb 2019 12:49

Instrument :
MSVOA_W
ClientSampleId :

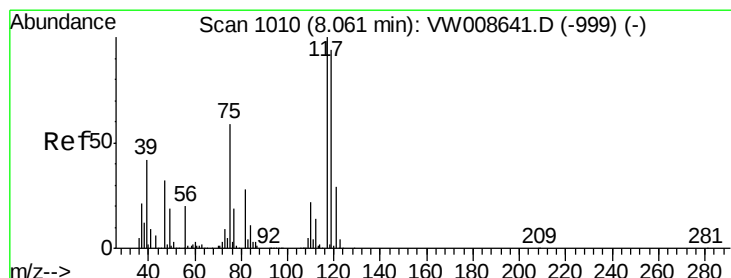
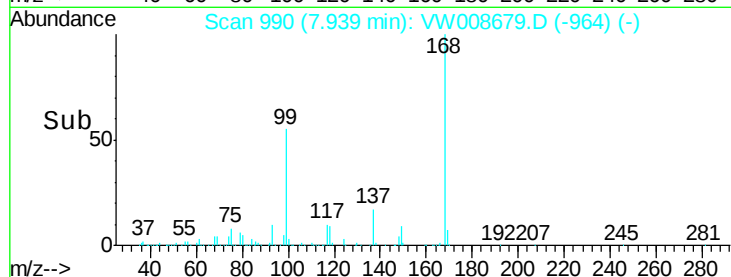
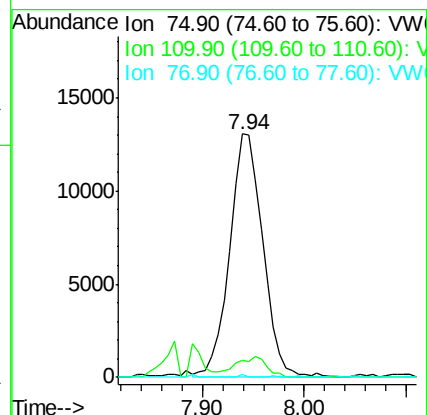
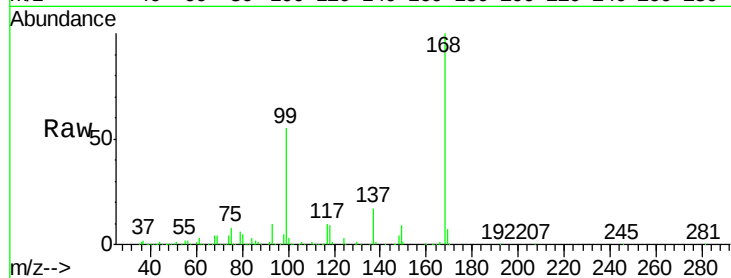
Tot Ion: 75 Resp: 29489

Ion Ratio Lower Upper

75 100

110 7.8 17.8 53.3#

77 0.2 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.496 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008679.D

Acq: 15 Feb 2019 12:49

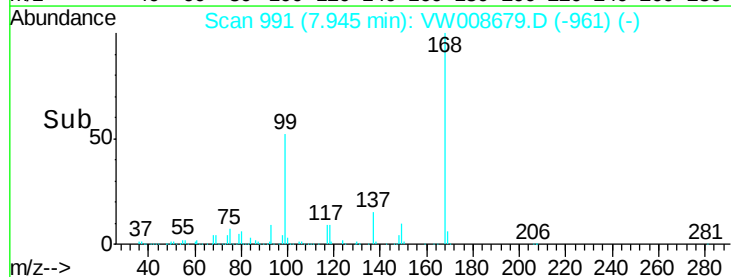
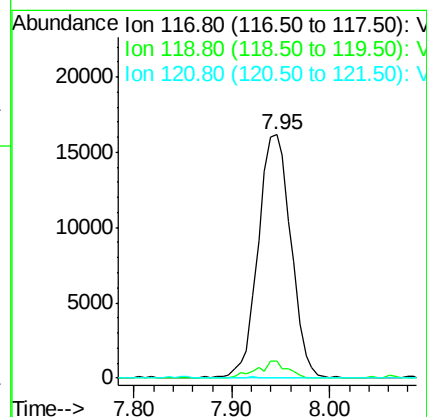
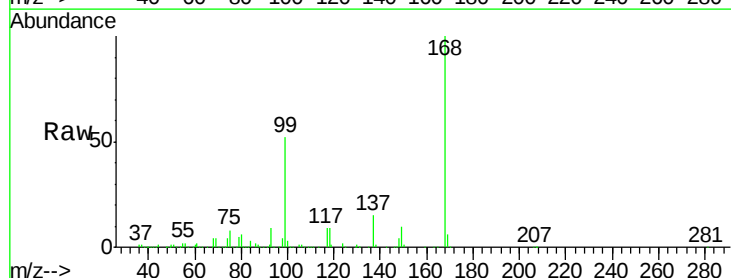
Tgt Ion: 117 Resp: 38010

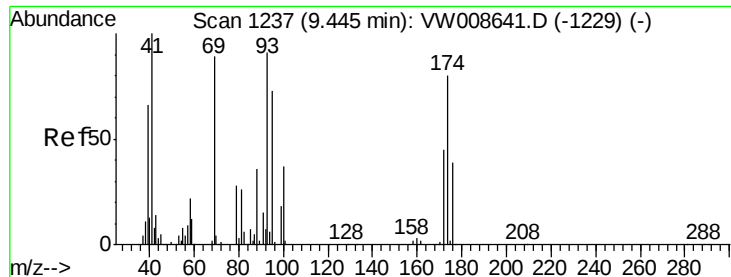
Ion Ratio Lower Upper

117 100

119 6.8 75.1 112.7#

121 0.0 23.5 35.3#

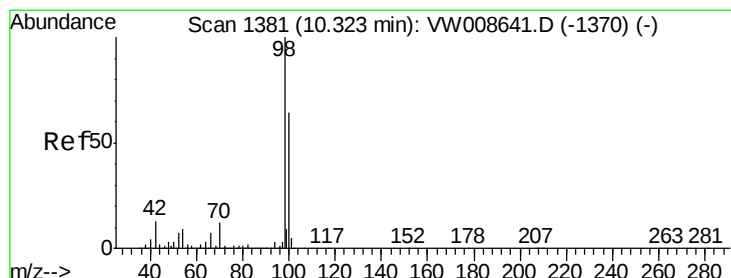
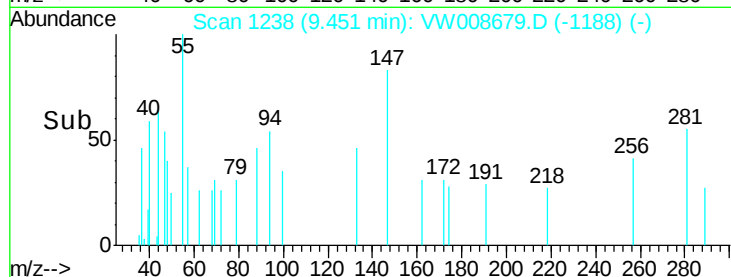
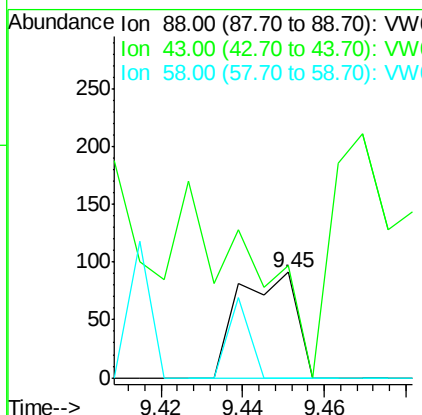
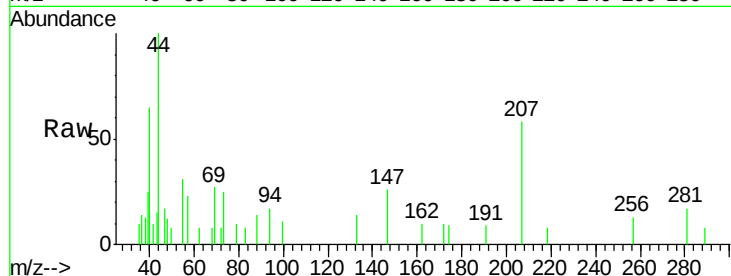




#49
1,4-Dioxane
Concen: 2.545 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008679.D
Acq: 15 Feb 2019 12:49

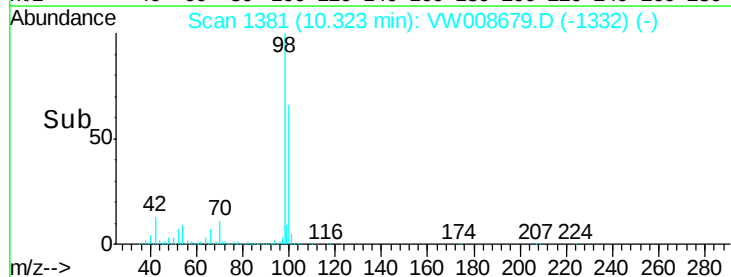
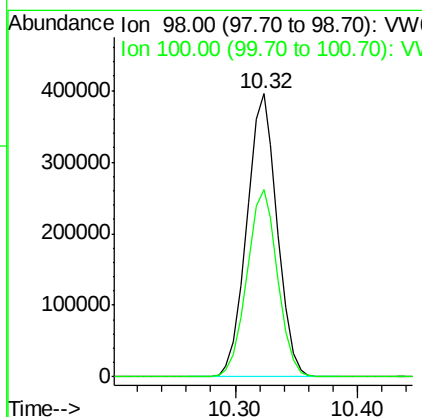
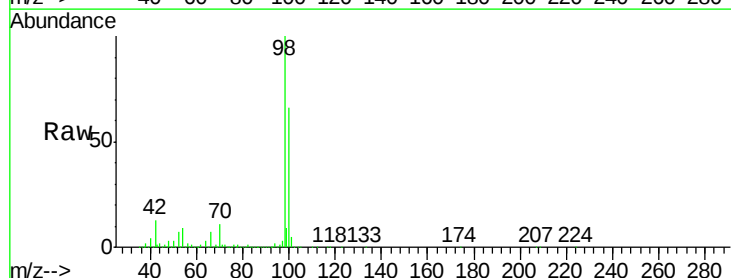
Instrument :
MSVOA_W
ClientSampled :

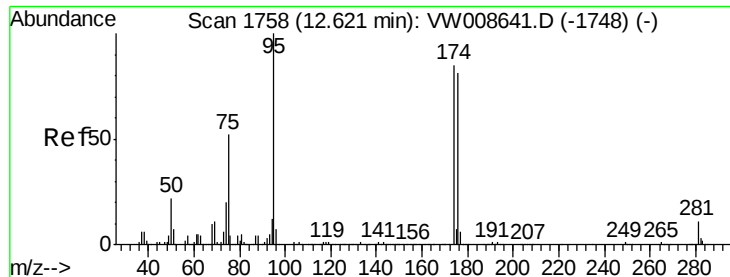
Tot Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 28.1 57.0 85.6#



#50
Toluene-d8
Concen: 48.562 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008679.D
Acq: 15 Feb 2019 12:49

Tgt Ion: 98 Resp: 680843
Ion Ratio Lower Upper
98 100
100 66.7 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 40.179 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008679.D

Acq: 15 Feb 2019 12:49

Instrument :

MSVOA_W

ClientSampleId :

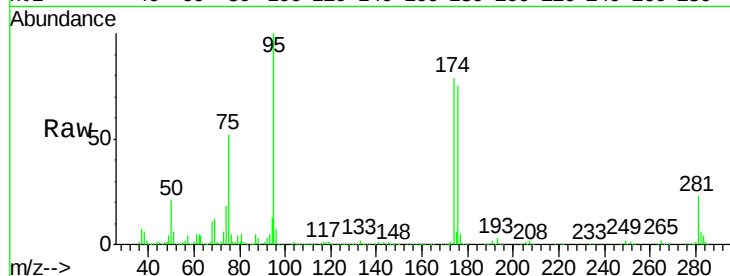
Tot Ion: 95 Resp: 212179

Ion Ratio Lower Upper

95 100

174 85.7 0.0 163.2

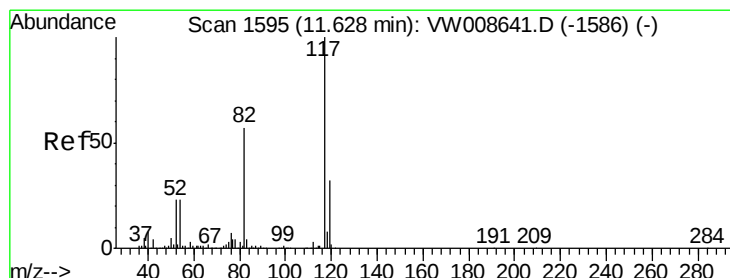
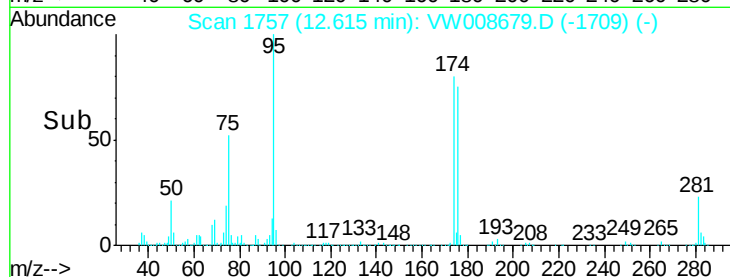
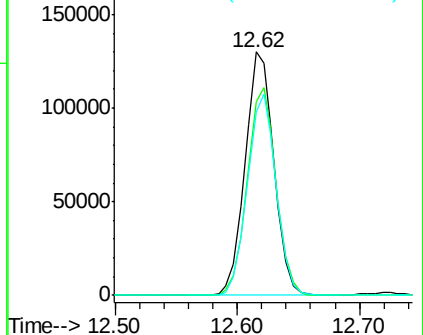
176 82.4 0.0 158.0



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: VW008679.D

Acq: 15 Feb 2019 12:49

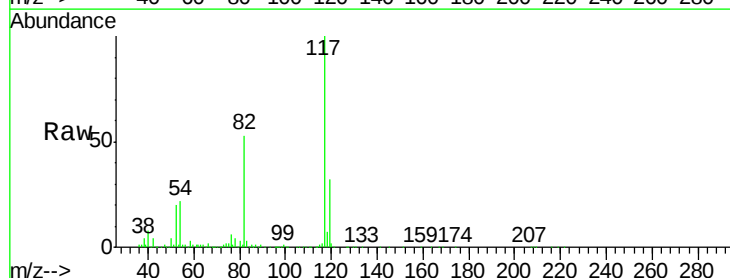
Tgt Ion: 117 Resp: 481346

Ion Ratio Lower Upper

117 100

82 53.4 45.6 68.4

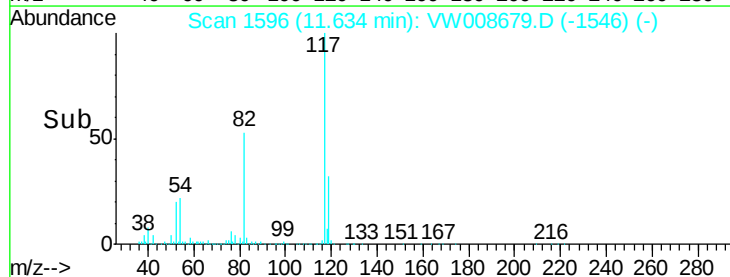
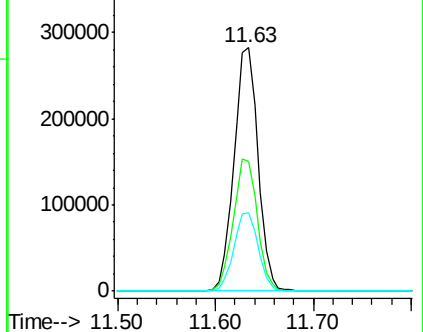
119 32.0 25.7 38.5

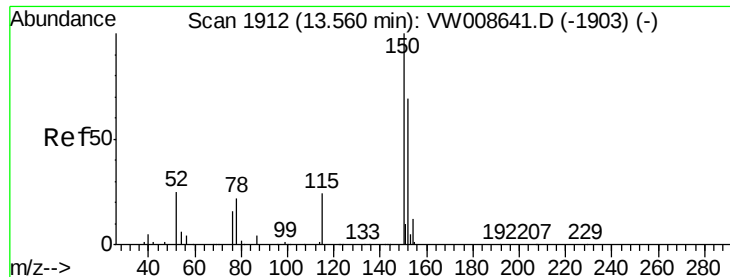


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



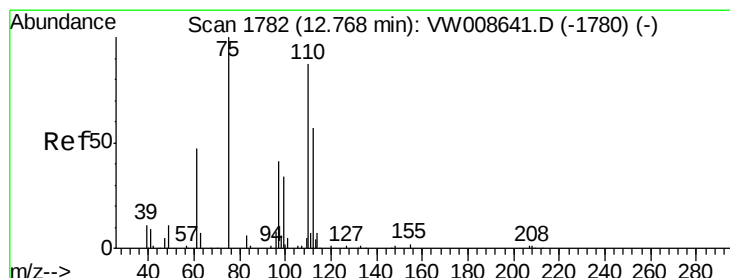
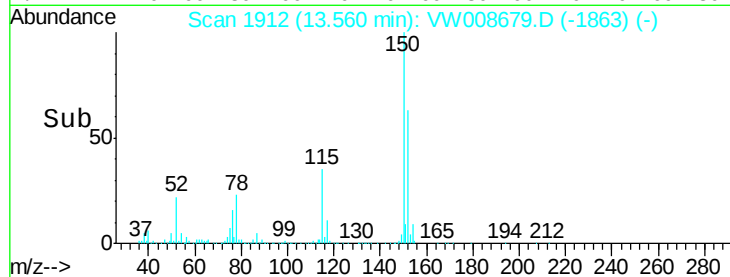
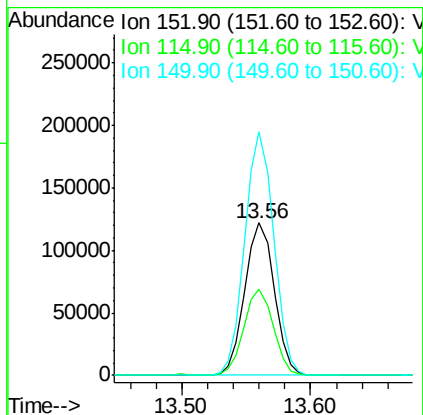
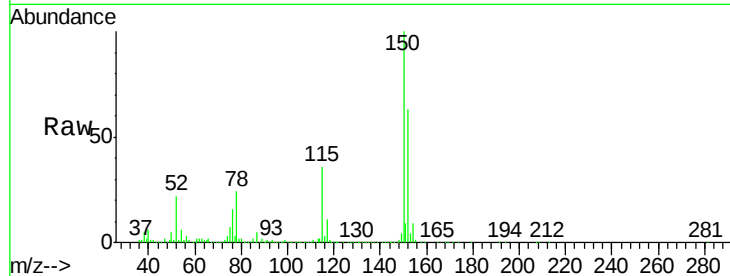


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008679.D
Acq: 15 Feb 2019 12:49

Instrument :
MSVOA_W
ClientSampleId :

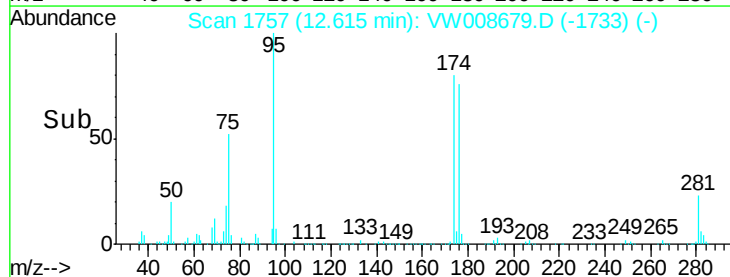
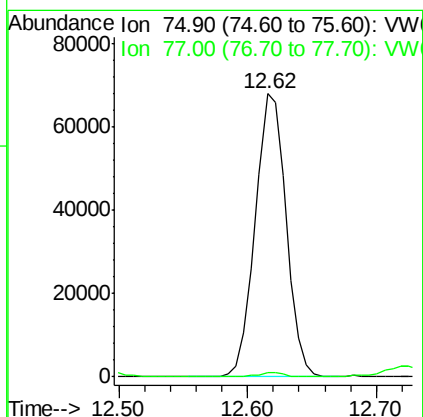
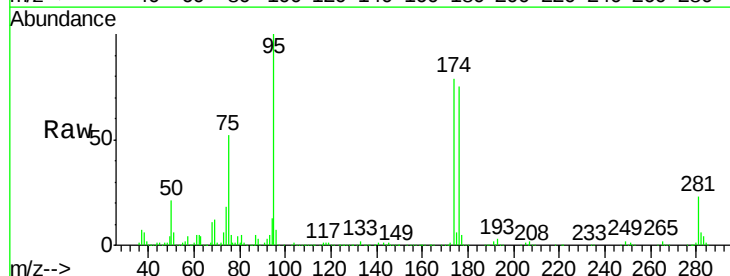
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.5	29.3	87.8
150	156.9	0.0	352.8

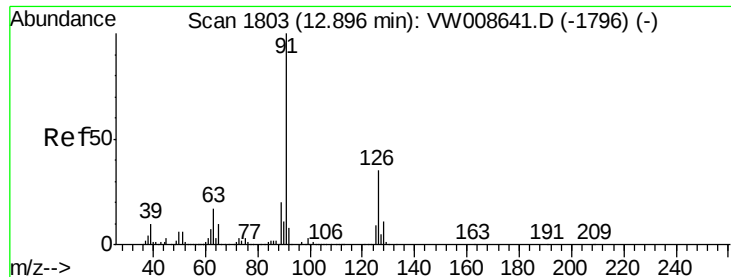


#76

1,2,3-Trichloropropane
Concen: 58.902 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008679.D
Acq: 15 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#





#79

2-Chlorotoluene

Concen: 4.367 ug/l

RT: 13.03 min Scan# 1825

Delta R.T. 0.13 min

Lab File: VW008679.D

Acq: 15 Feb 2019 12:49

Instrument :

MSVOA_W

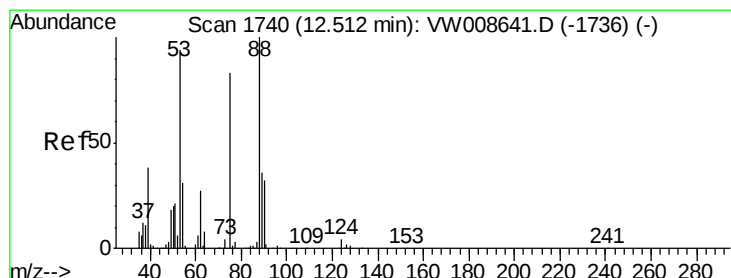
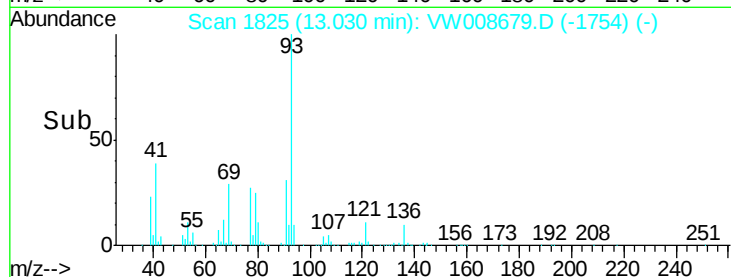
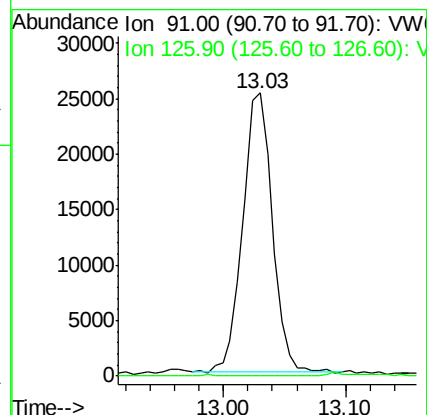
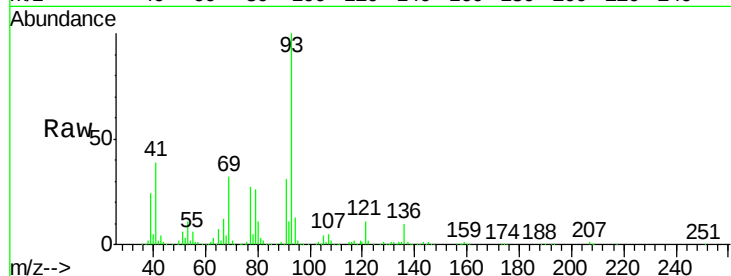
ClientSampleId :

Tot Ion: 91 Resp: 42253

Ion Ratio Lower Upper

91 100

126 0.2 17.0 50.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.842 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008679.D

Acq: 15 Feb 2019 12:49

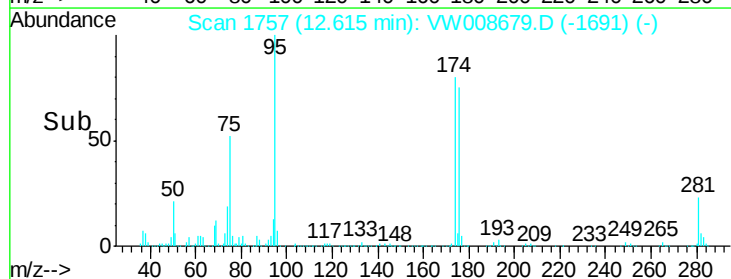
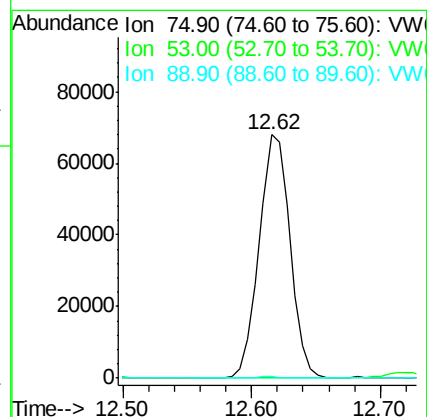
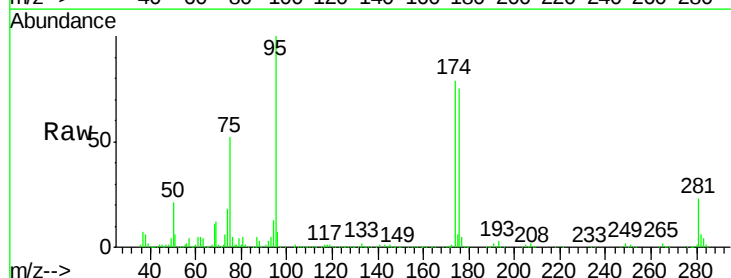
Tgt Ion: 75 Resp: 112494

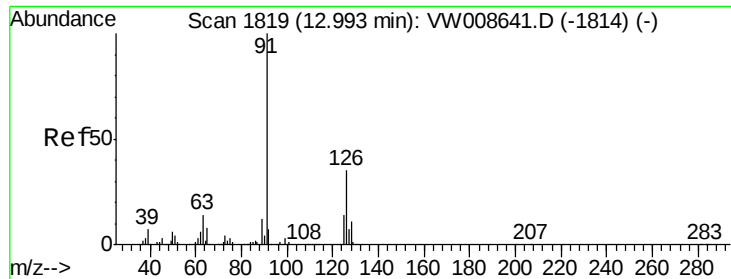
Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.0#

89 0.5 37.0 55.4#





#82
 4-Chlorotoluene
 Concen: 4.121 ug/l
 RT: 13.03 min Scan# 1825
 Delta R.T. 0.04 min
 Lab File: VW008679.D
 Acq: 15 Feb 2019 12:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 91 Resp: 42253
 Ion Ratio Lower Upper
 91 100
 126 0.2 16.9 50.7#

