

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010377.D
 Acq On : 11 May 2019 13:12
 Operator : SY/VA
 Sample : VW0511SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:25:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1245721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2135136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1909147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	897757	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	774137	58.45	ug/l	0.00
Spiked Amount			Recovery	=	116.90%	
35) Dibromofluoromethane	7.88	113	686649	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
50) Toluene-d8	10.32	98	2662271	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.62	95	906544	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	

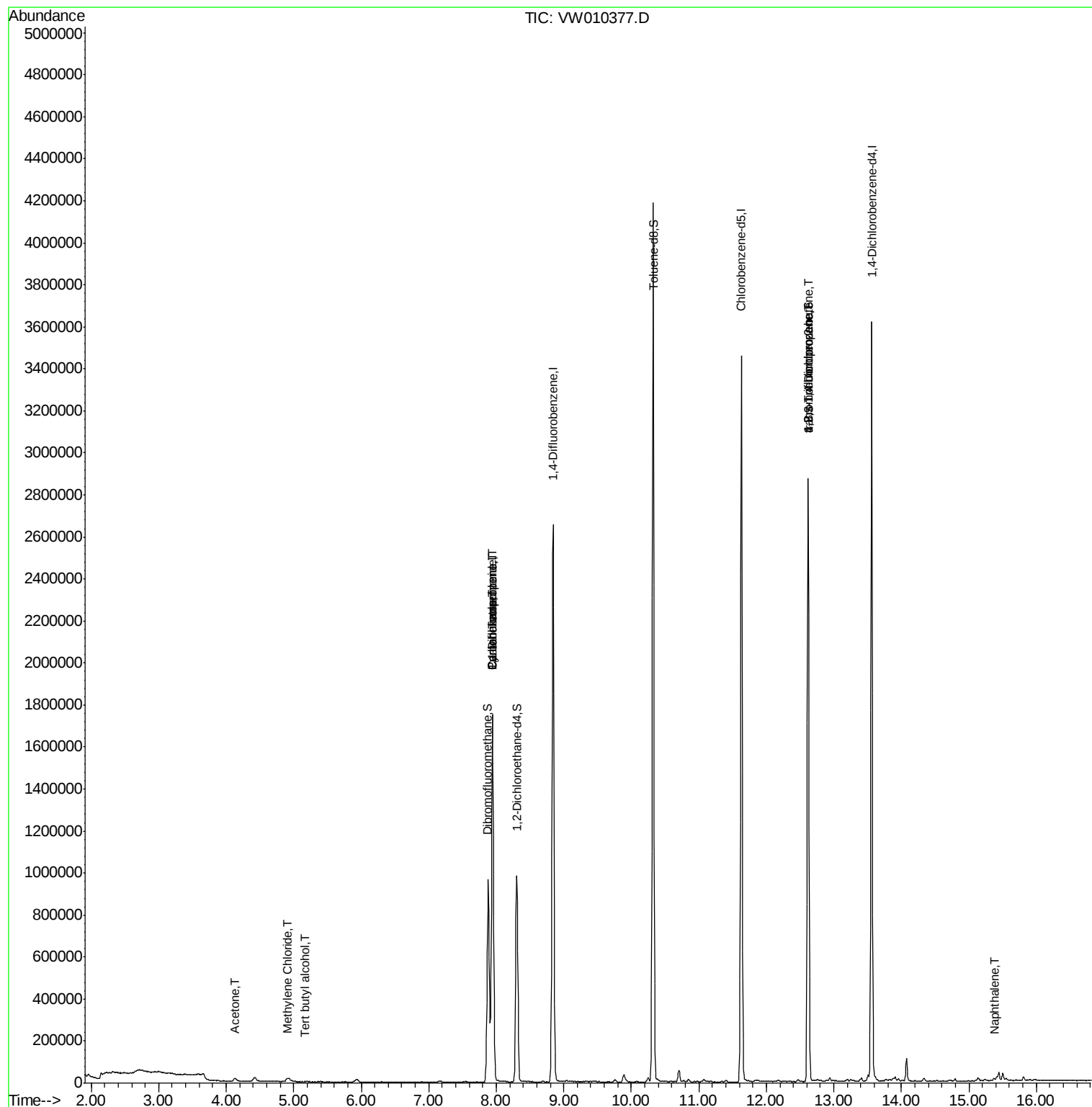
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	1750	1.871	ug/l #	82
16) Acetone	4.12	43	33329	9.653	ug/l	99
20) Methylene Chloride	4.90	84	16248	1.128	ug/l #	87
31) Cyclohexane	7.95	56	29512	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	105816	4.571	ug/l #	49
38) Carbon Tetrachloride	7.95	117	125671	6.333	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	466686	44.586	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	466686	100.689	ug/l #	5
95) Naphthalene	15.38	128	8395	3.786	ug/l #	91

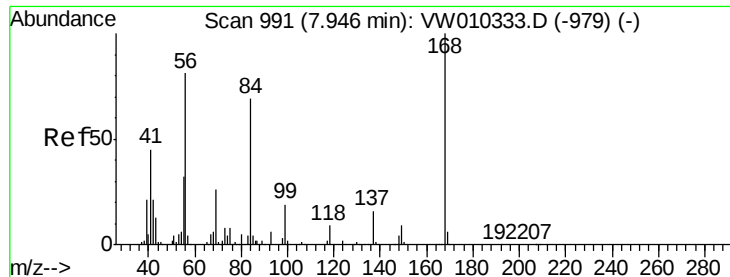
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 10 03:41:21 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: VW010377.D

Acq: 11 May 2019 13:12

Instrument :

MSVOA_W

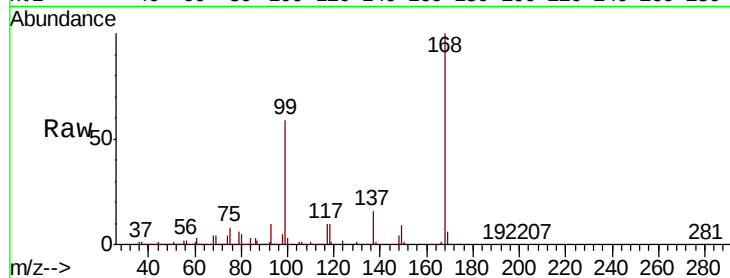
ClientSampleId :

Tot Ion:168 Resp: 1245721

Ion Ratio Lower Upper

168 100

99 58.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

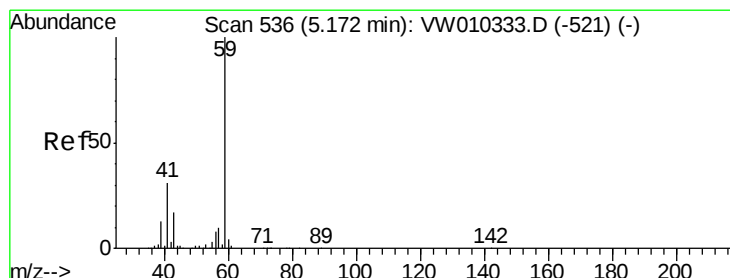
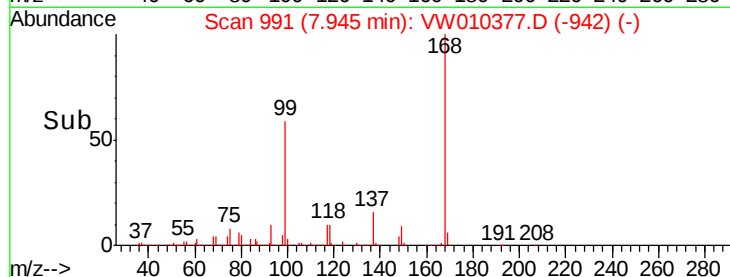
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.871 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010377.D

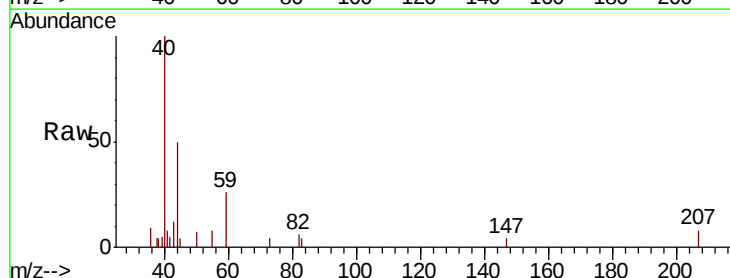
Acq: 11 May 2019 13:12

Tgt Ion: 59 Resp: 1750

Ion Ratio Lower Upper

59 100

57 4.3 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

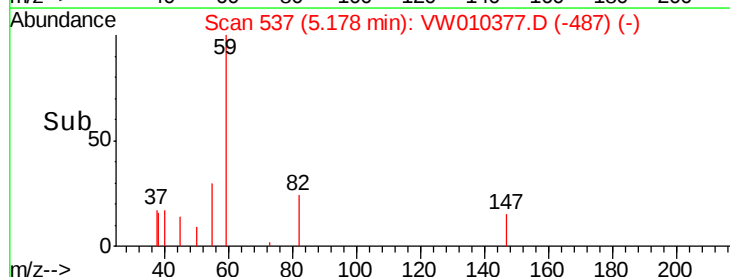
600

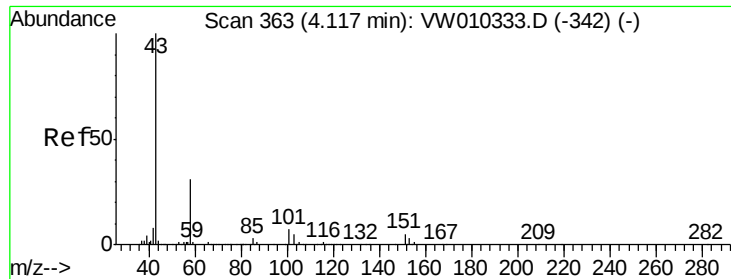
400

200

0

Time-->

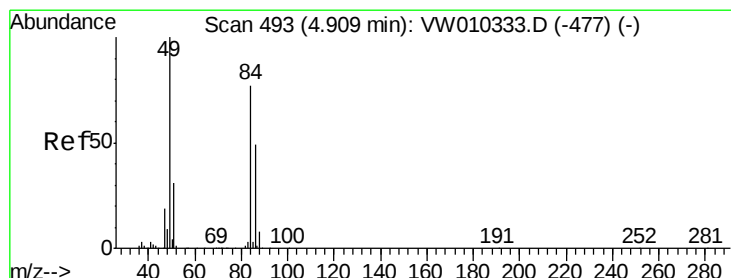
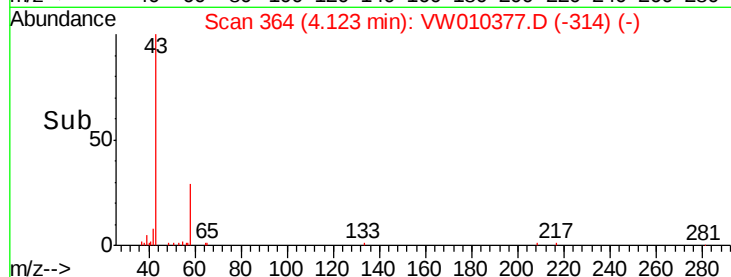
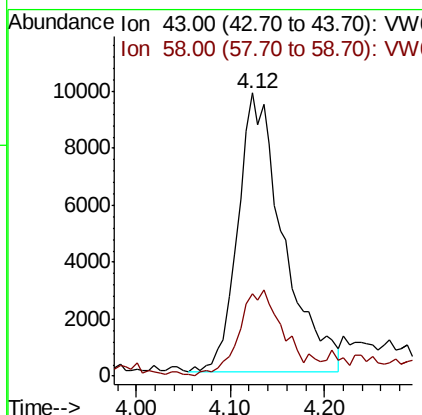
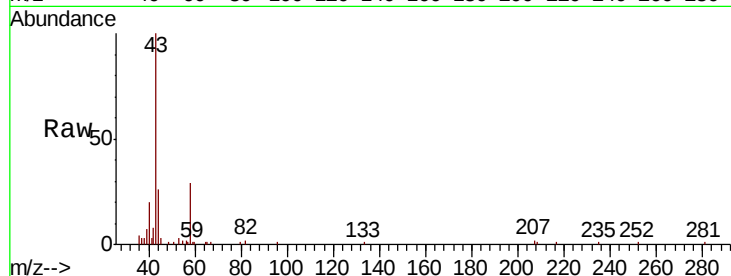




#16
Acetone
Concen: 9.653 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010377.D
Acq: 11 May 2019 13:12

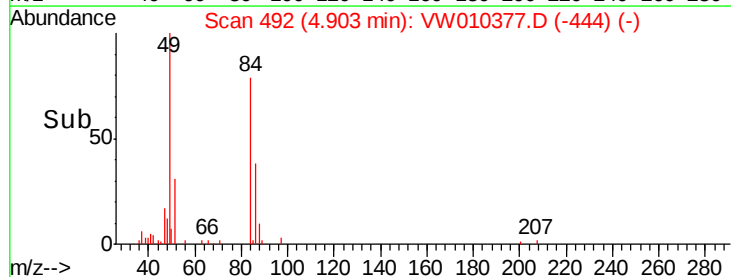
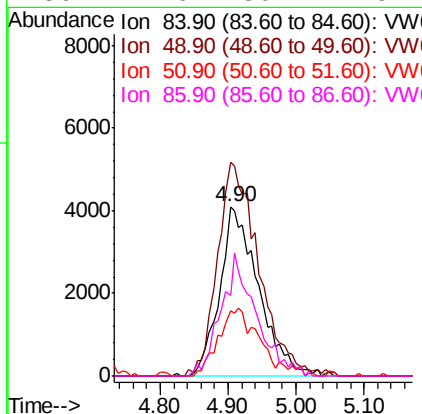
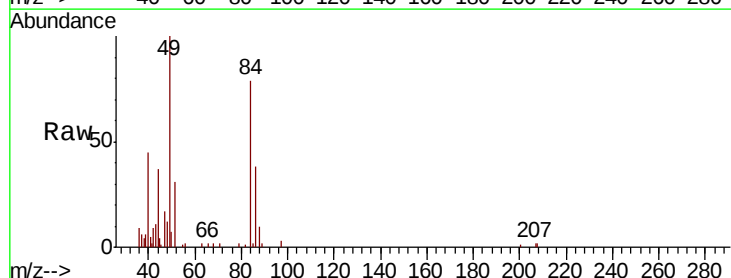
Instrument :
MSVOA_W
ClientSampled :

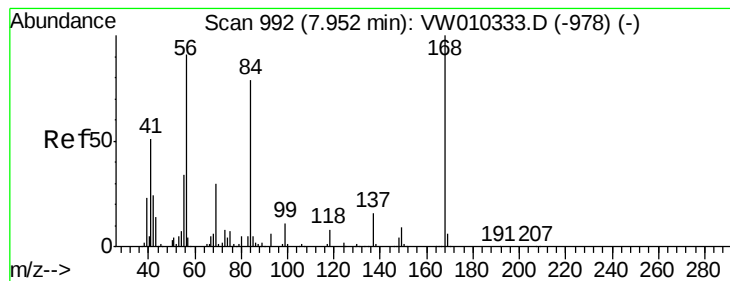
Tot Ion: 43 Resp: 33329
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1



#20
Methylene Chloride
Concen: 1.128 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010377.D
Acq: 11 May 2019 13:12

Tgt Ion: 84 Resp: 16248
Ion Ratio Lower Upper
84 100
49 126.0 112.3 168.5
51 38.9 33.9 50.9
86 47.6 50.2 75.4#





#31

Cyclohexane

Concen: 1.088 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010377.D

Acq: 11 May 2019 13:12

Instrument :
MSVOA_W
ClientSampled :

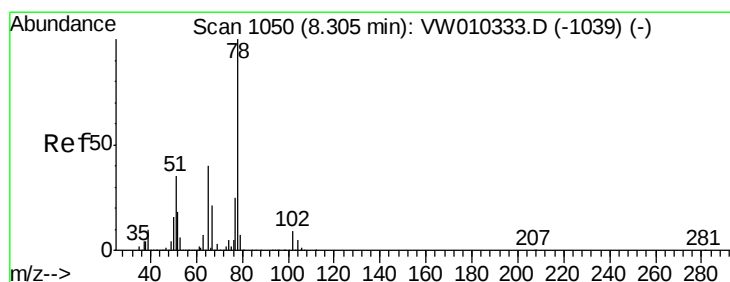
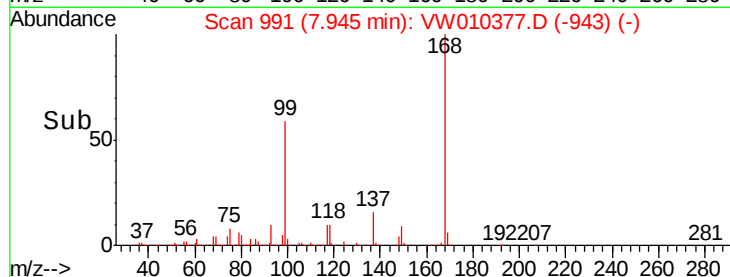
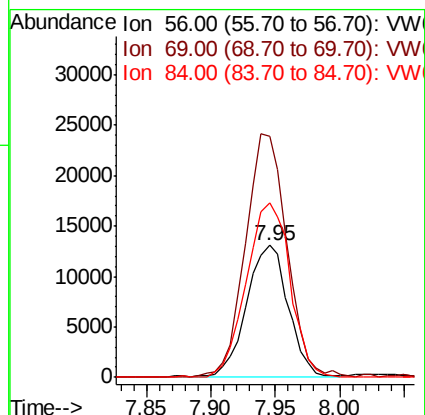
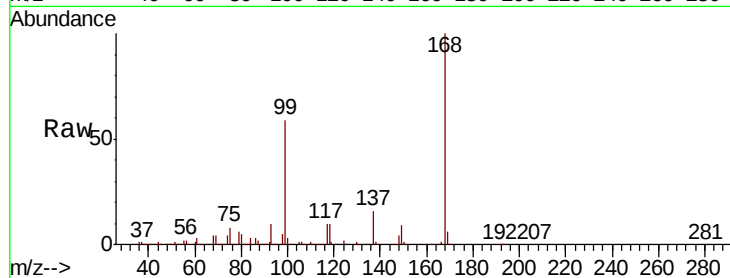
Tot Ion: 56 Resp: 29512

Ion Ratio Lower Upper

56 100

69 185.4 26.6 40.0#

84 133.9 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 58.453 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010377.D

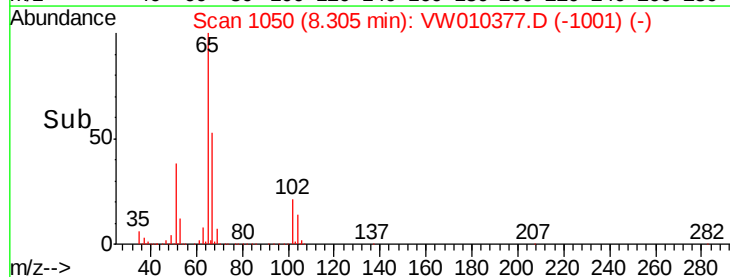
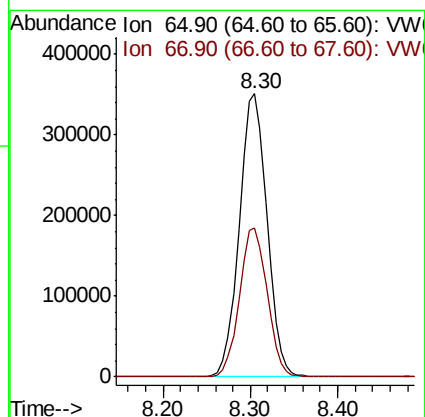
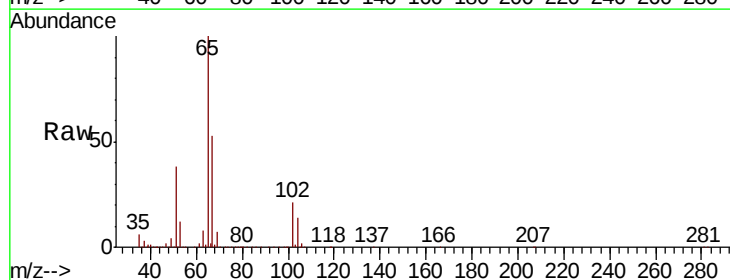
Acq: 11 May 2019 13:12

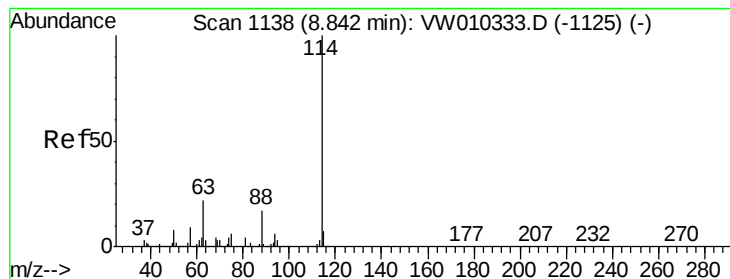
Tgt Ion: 65 Resp: 774137

Ion Ratio Lower Upper

65 100

67 52.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010377.D

Acq: 11 May 2019 13:12

Instrument :

MSVOA_W

ClientSampleId :

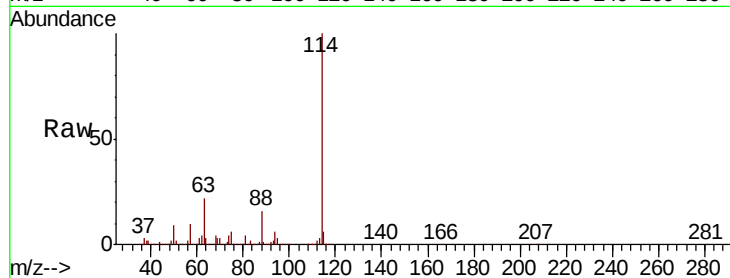
Tot Ion:114 Resp: 2135136

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

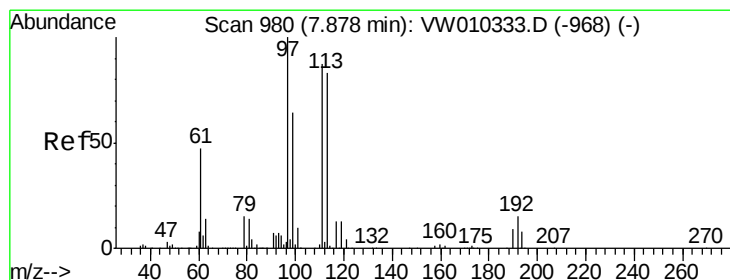
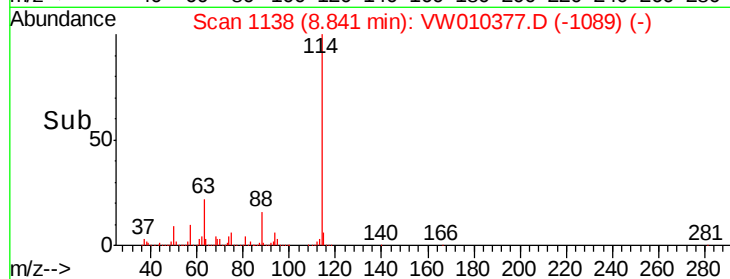
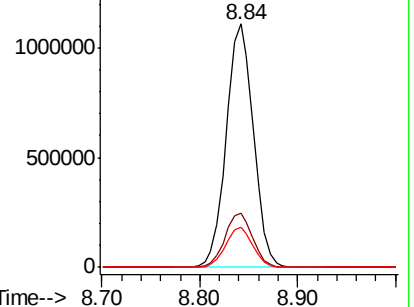
88 16.4 0.0 32.6



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: 54.956 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010377.D

Acq: 11 May 2019 13:12

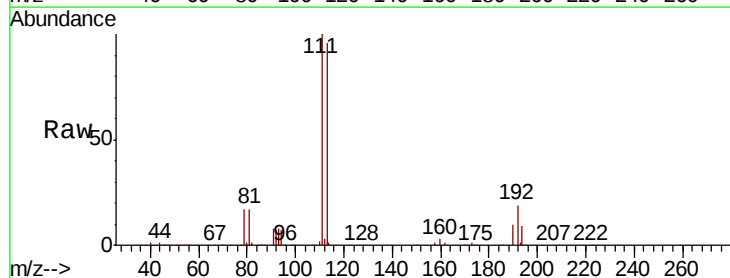
Tgt Ion:113 Resp: 686649

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

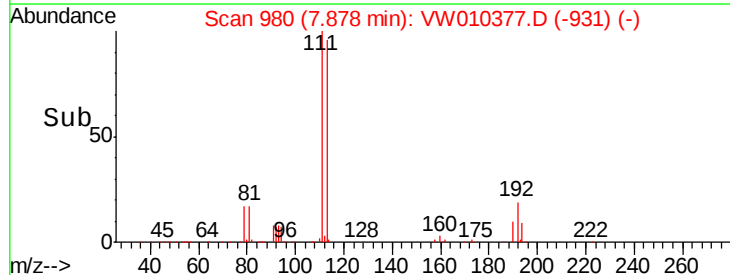
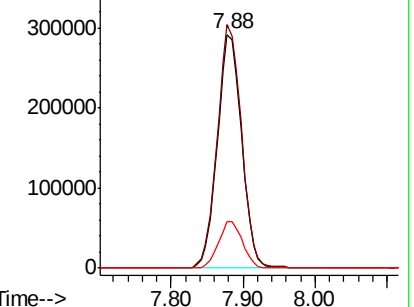
192 19.7 15.4 23.2

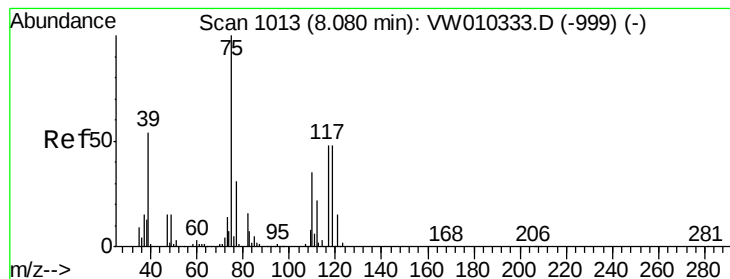


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.571 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010377.D

Acq: 11 May 2019 13:12

Instrument :

MSVOA_W

ClientSampleId :

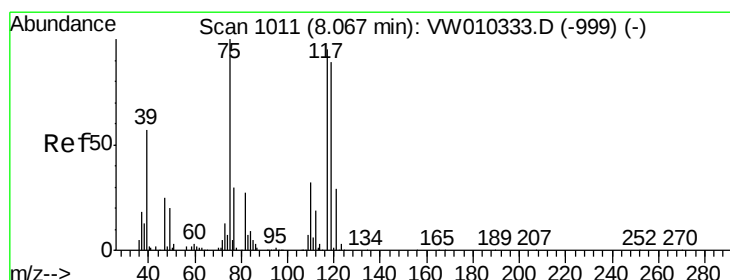
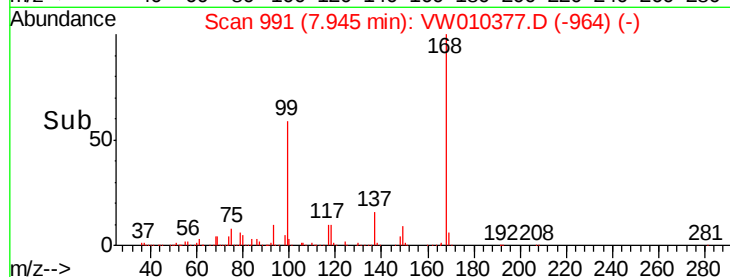
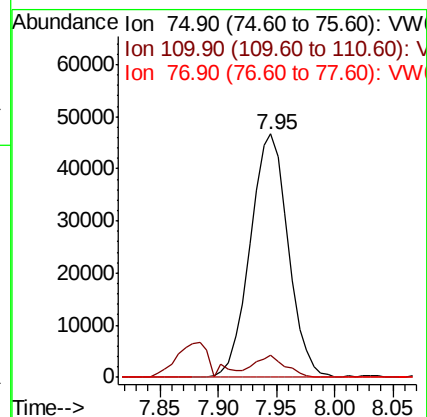
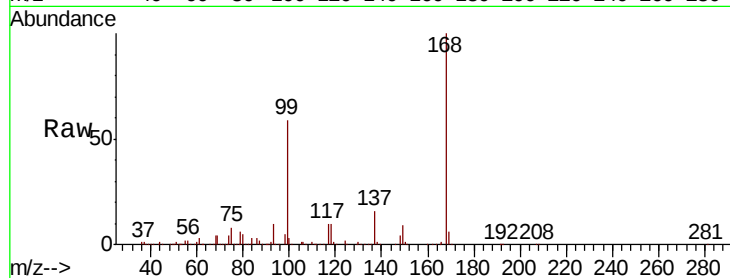
Tot Ion: 75 Resp: 105816

Ion Ratio Lower Upper

75 100

110 7.4 16.6 49.8#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.333 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010377.D

Acq: 11 May 2019 13:12

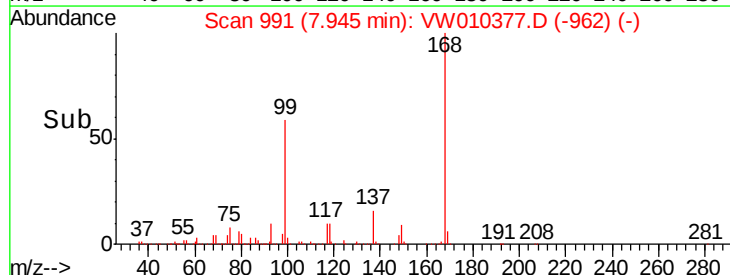
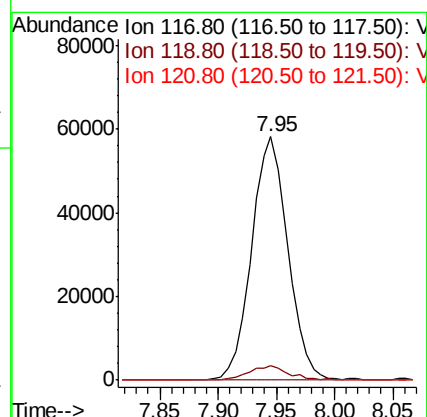
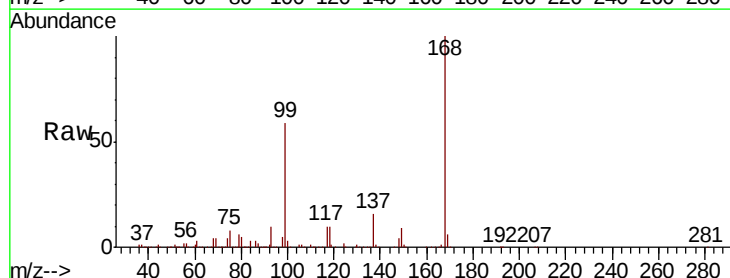
Tgt Ion: 117 Resp: 125671

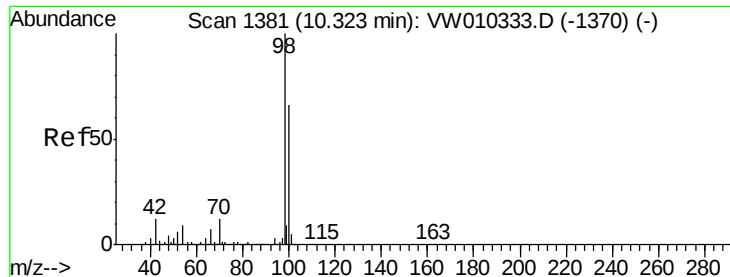
Ion Ratio Lower Upper

117 100

119 5.7 75.3 112.9#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 52.327 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010377.D

Acq: 11 May 2019 13:12

Instrument :

MSVOA_W

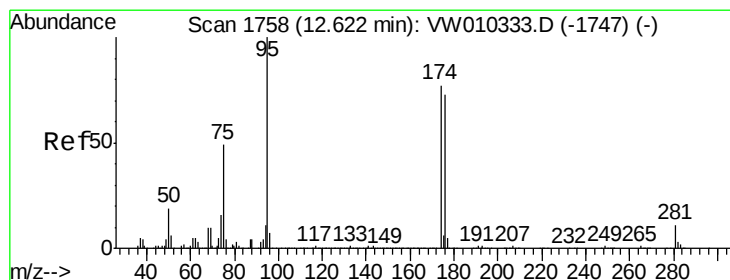
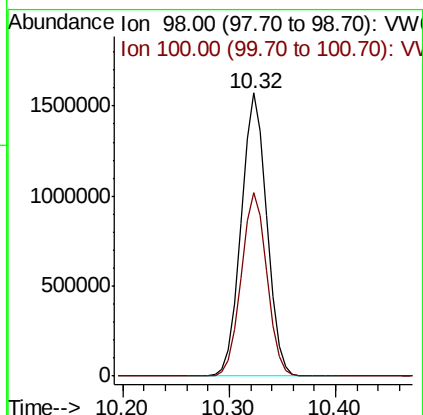
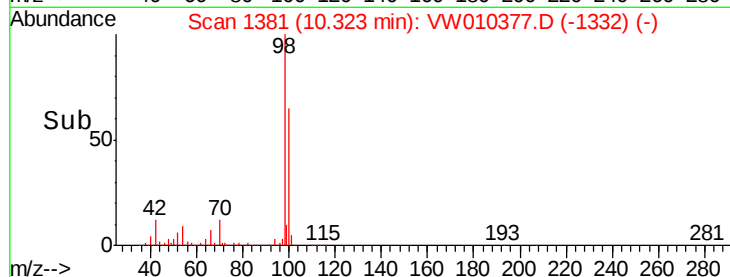
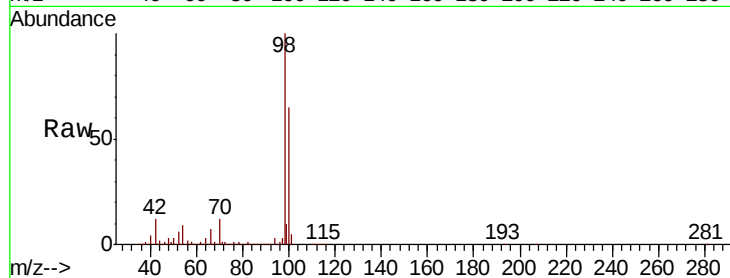
ClientSampleId :

Tot Ion: 98 Resp: 2662271

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 50.618 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010377.D

Acq: 11 May 2019 13:12

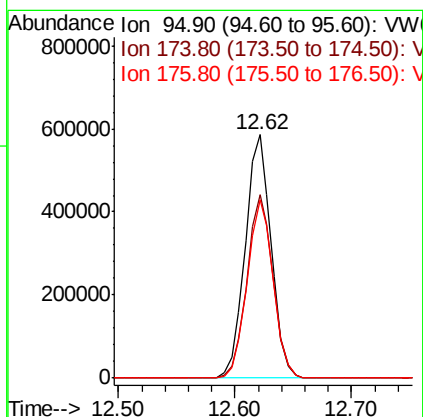
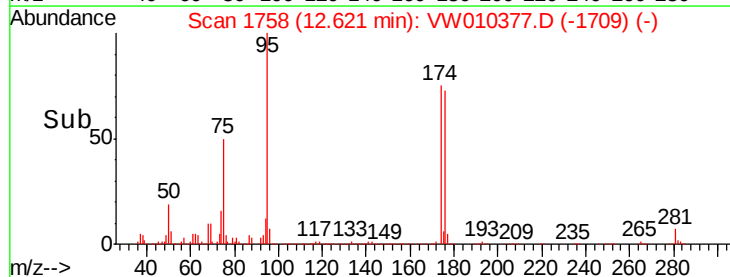
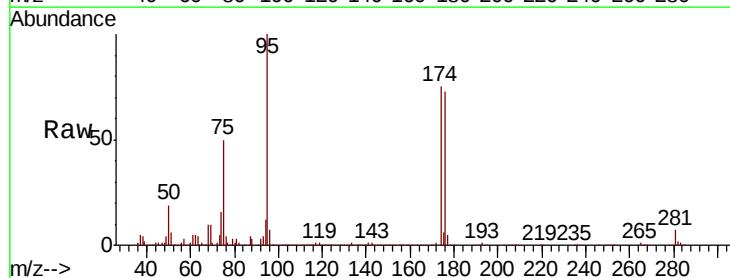
Tgt Ion: 95 Resp: 906544

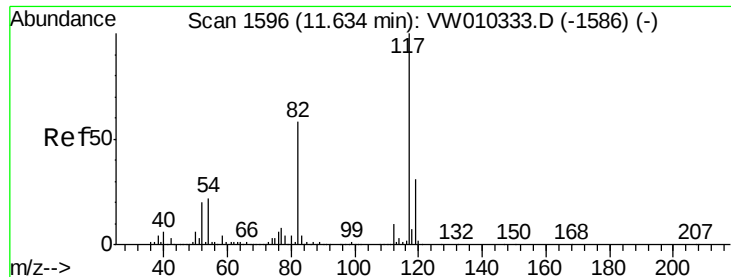
Ion Ratio Lower Upper

95 100

174 76.1 0.0 151.4

176 73.8 0.0 146.2

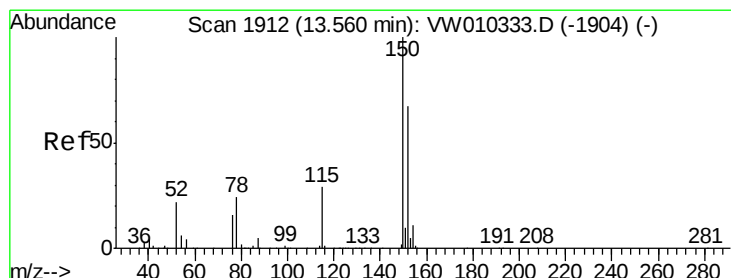
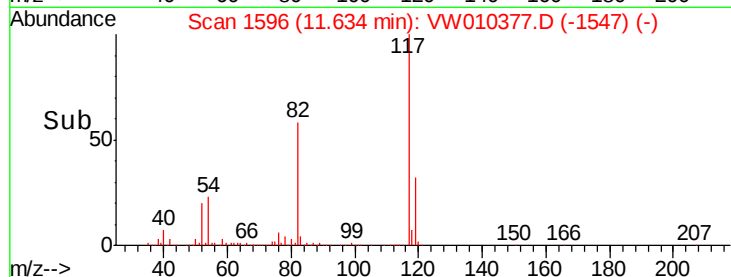
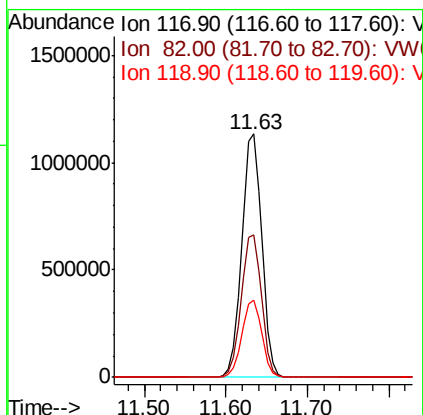
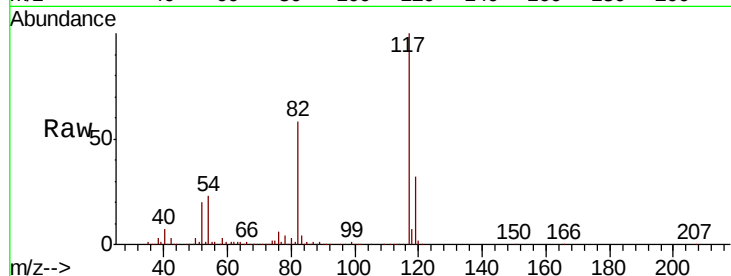




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010377.D
Acq: 11 May 2019 13:12

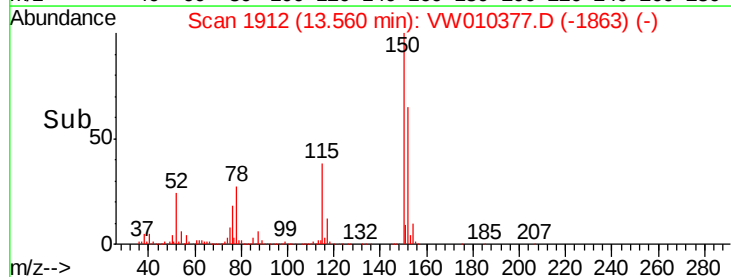
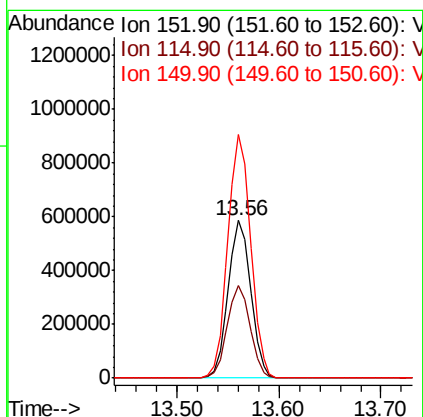
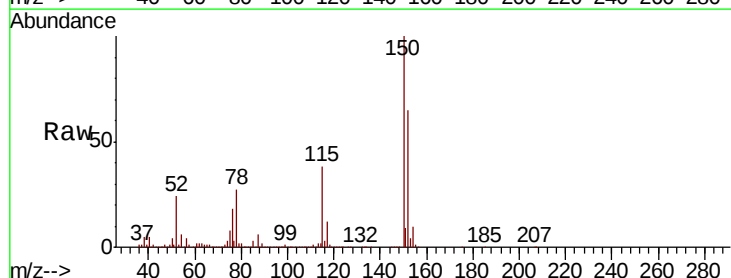
Instrument :
MSVOA_W
ClientSampled :

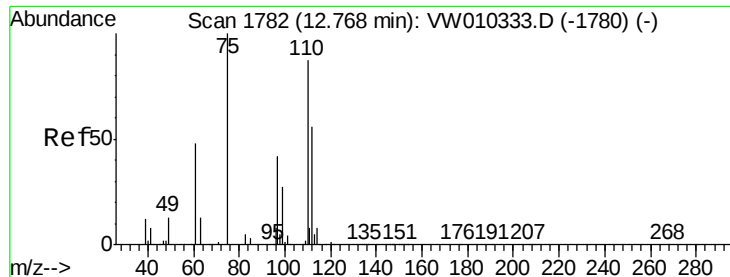
Tot Ion:117 Resp: 1909147
Ion Ratio Lower Upper
117 100
82 58.5 45.2 67.8
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010377.D
Acq: 11 May 2019 13:12

Tgt Ion:152 Resp: 897757
Ion Ratio Lower Upper
152 100
115 59.5 30.4 91.2
150 156.2 0.0 347.0



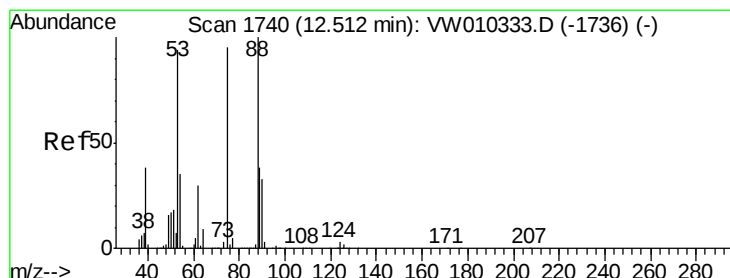
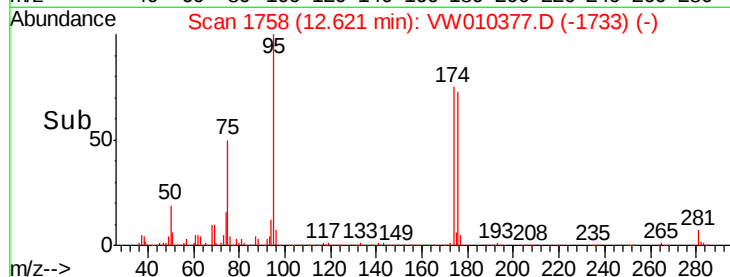
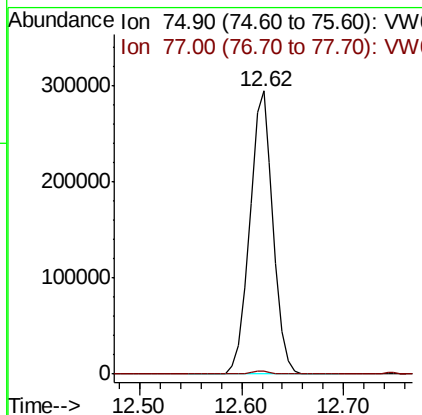
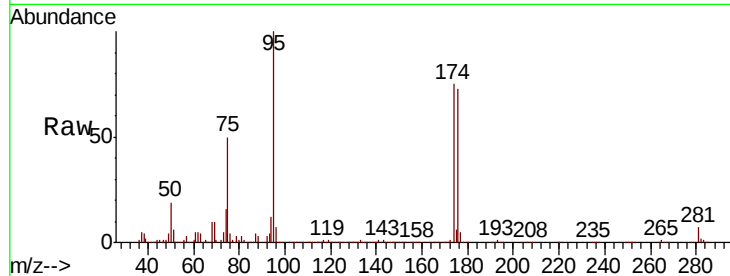


#76

1,2,3-Trichloropropane
Concen: 44.586 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010377.D
Acq: 11 May 2019 13:12

Instrument :
MSVOA_W
ClientSampleId :

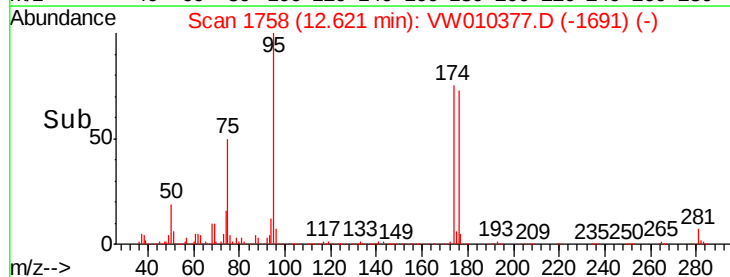
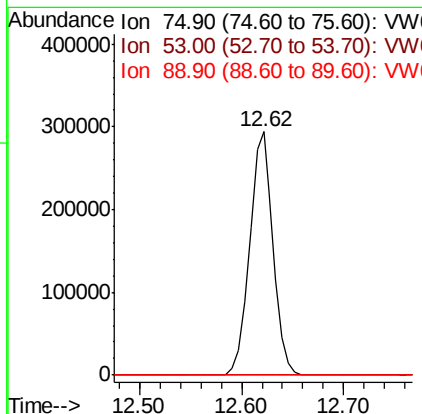
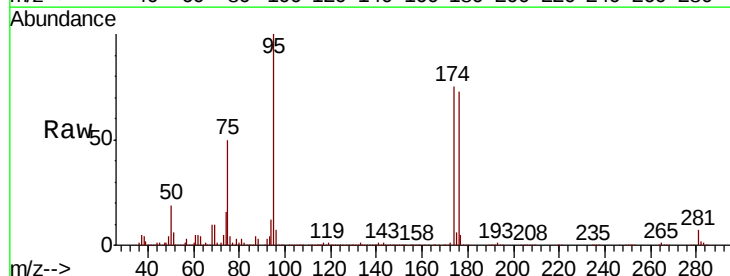
Tot Ion: 75 Resp: 466686
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

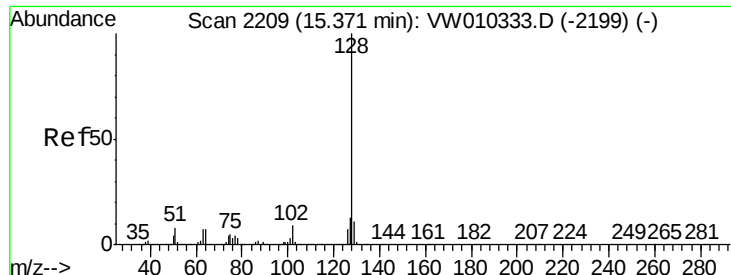


#81

trans-1,4-Dichloro-2-butene
Concen: 100.689 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010377.D
Acq: 11 May 2019 13:12

Tgt Ion: 75 Resp: 466686
Ion Ratio Lower Upper
75 100
53 0.3 89.8 134.8#
89 0.0 36.6 54.8#

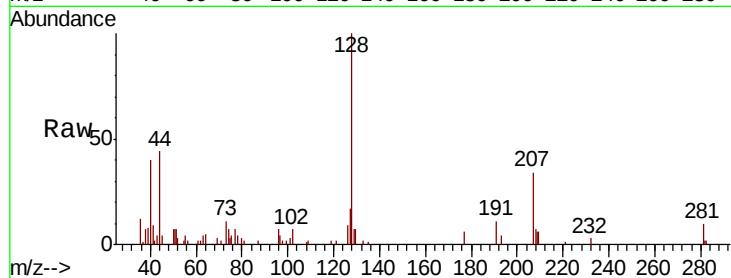




#95
 Naphthalene
 Concen: 3.786 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW010377.D
 Acq: 11 May 2019 13:12

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.6	15.8#
129	14.6	8.7	13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

