

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011798.D
 Acq On : 09 Aug 2019 04:57
 Operator : SY/VA
 Sample : K4228-19
 Misc : 5.86G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-12-(1)

Quant Time: Aug 09 06:31:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

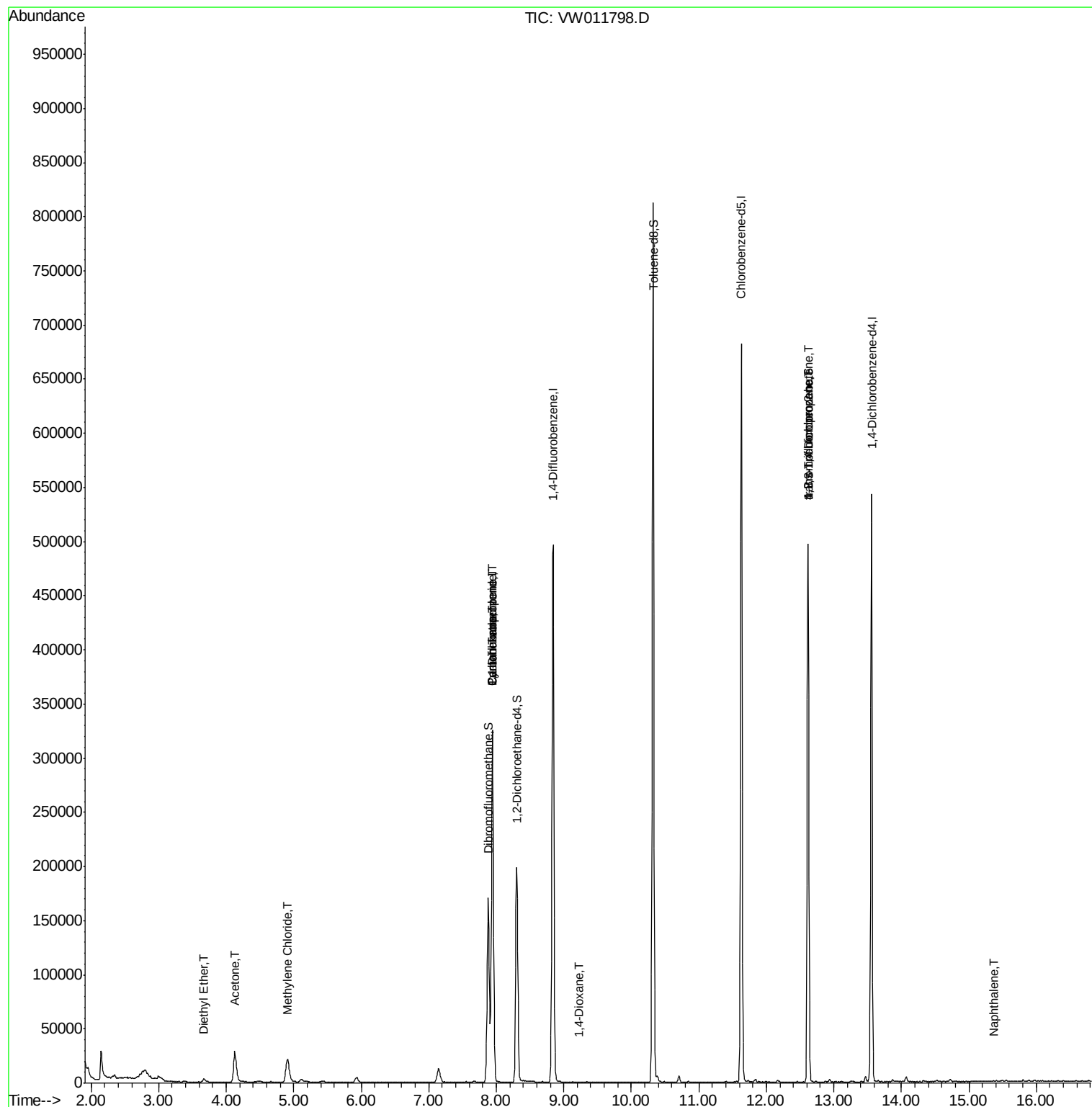
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134459	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	160230	59.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.52%	
35) Dibromofluoromethane	7.88	113	121700	55.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.48%	
50) Toluene-d8	10.32	98	508052	56.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.64%	
62) 4-Bromofluorobenzene	12.62	95	166874	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1408	1.023	ug/l	47
11) Tert butyl alcohol	5.17	59	538	Below Cal	#	72
16) Acetone	4.13	43	57669	67.611	ug/l	100
20) Methylene Chloride	4.91	84	16250	5.524	ug/l	93
31) Cyclohexane	7.94	56	5903	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20544	5.031	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24093	6.892	ug/l #	18
49) 1,4-Dioxane	9.21	88	28	1.384	ug/l #	3
76) 1,2,3-Trichloropropane	12.62	75	89644	63.008	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89644	145.213	ug/l #	6
95) Naphthalene	15.36	128	406	2.139	ug/l #	69

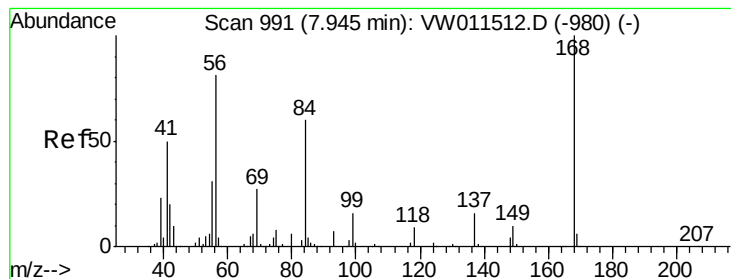
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
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2S-12-(1)

Quant Time: Aug 09 06:31:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW011798.D

Acq: 09 Aug 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

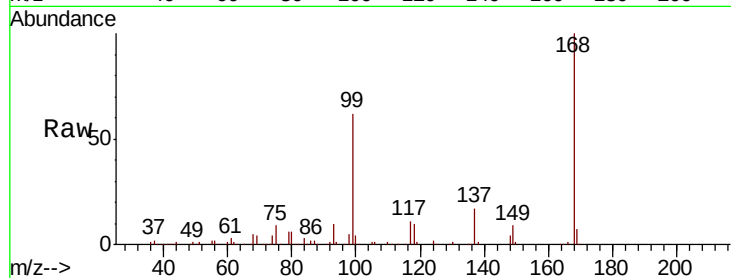
2S-I2-(1)

Tgt Ion:168 Resp: 233517

Ion Ratio Lower Upper

168 100

99 62.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

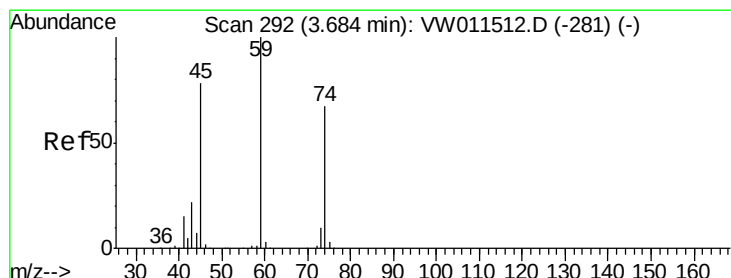
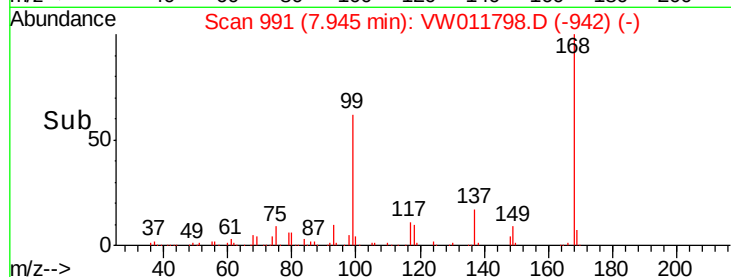
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.023 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW011798.D

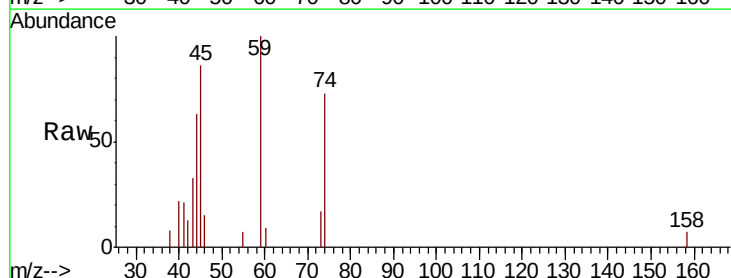
Acq: 09 Aug 2019 04:57

Tgt Ion: 74 Resp: 1408

Ion Ratio Lower Upper

74 100

45 177.5 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1000

800

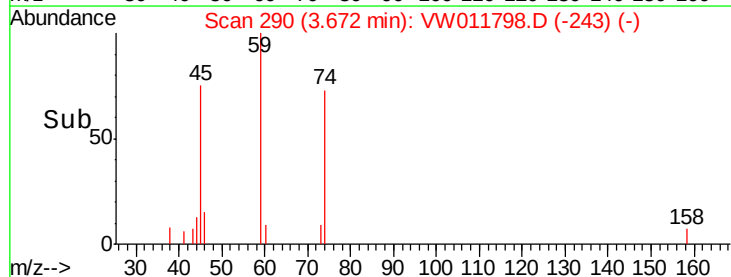
600

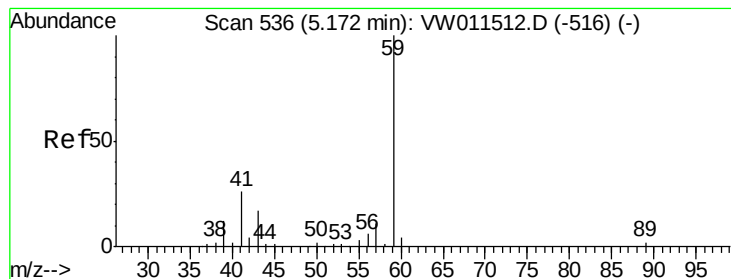
400

200

0

Time--> 3.60 3.65 3.70 3.75



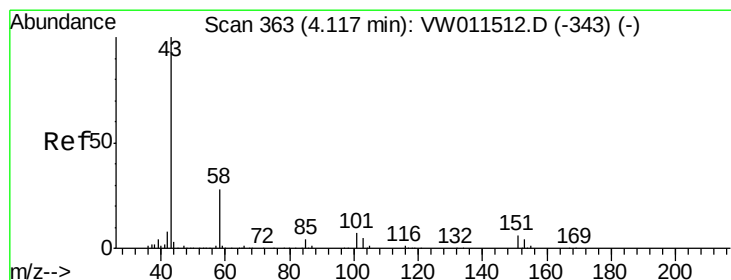
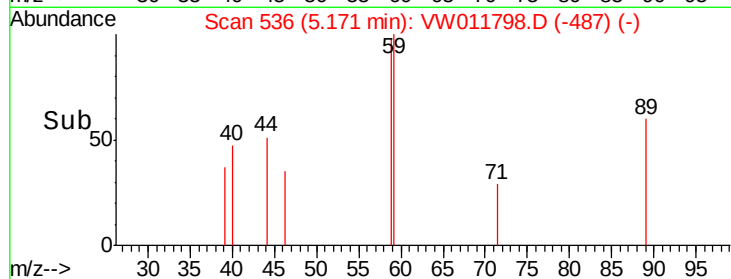
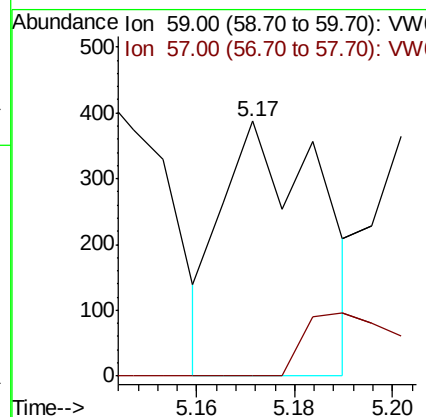
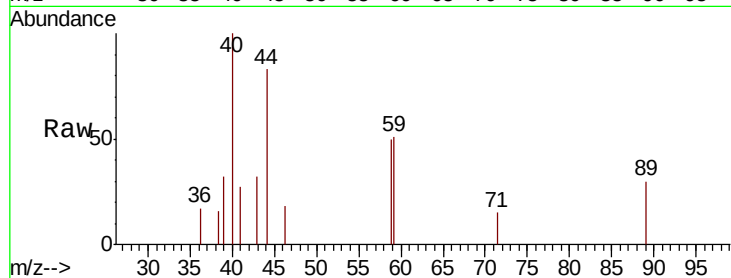


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011798.D
 Acq: 09 Aug 2019 04:57

Instrument :
 MSVOA_W
 ClientSampleID :
 2S-12-(1)

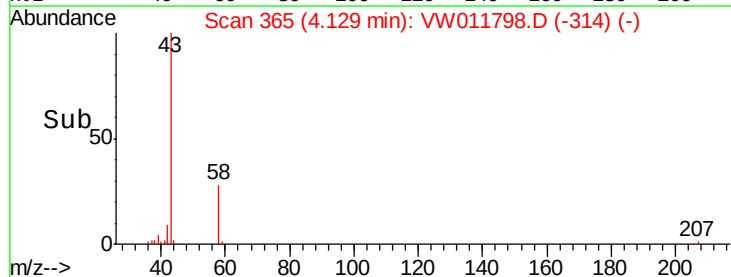
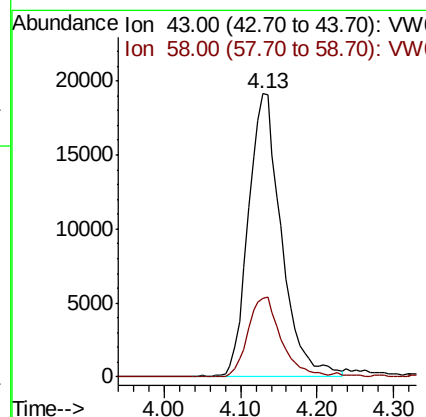
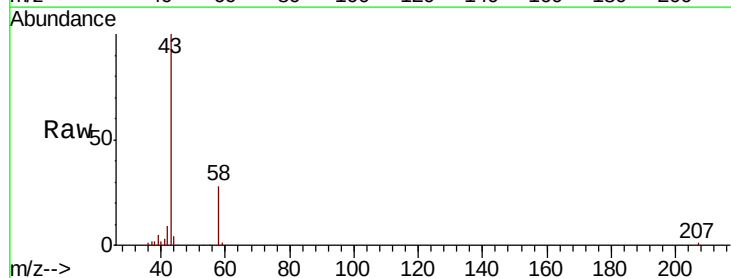
Tgt Ion: 59 Resp: 538
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

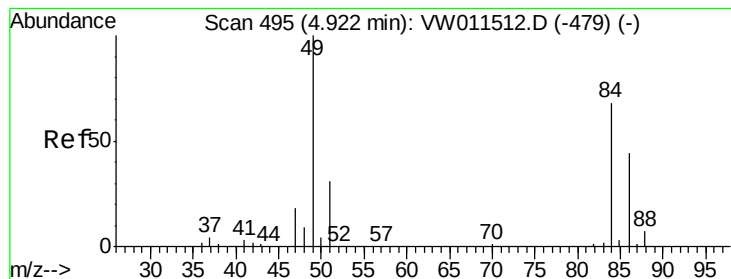


#16

Acetone
 Concen: 67.611 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW011798.D
 Acq: 09 Aug 2019 04:57

Tgt Ion: 43 Resp: 57669
 Ion Ratio Lower Upper
 43 100
 58 27.8 22.3 33.5





#20

Methylene Chloride

Concen: 5.524 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

Instrument :

MSVOA_W

ClientSampled :

2S-12-(1)

Tgt Ion: 84 Resp: 16250

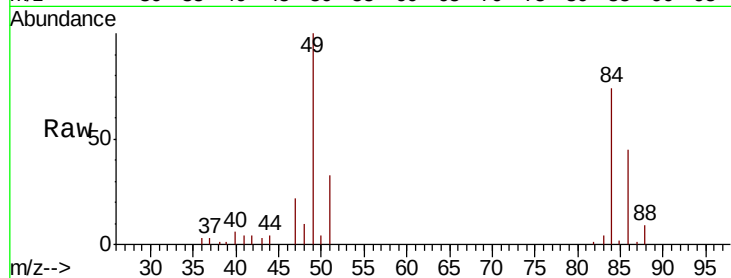
Ion Ratio Lower Upper

84 100

49 134.7 117.8 176.6

51 44.6 37.0 55.4

86 61.0 51.8 77.8



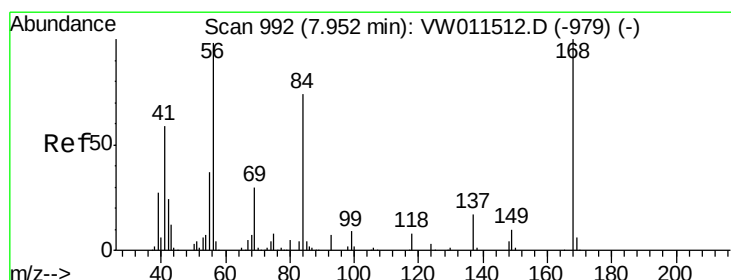
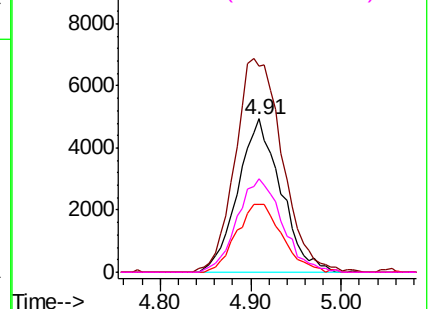
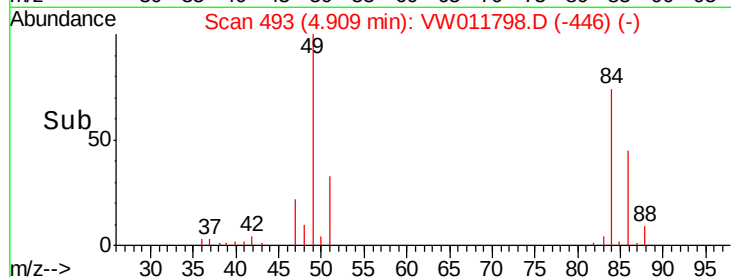
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

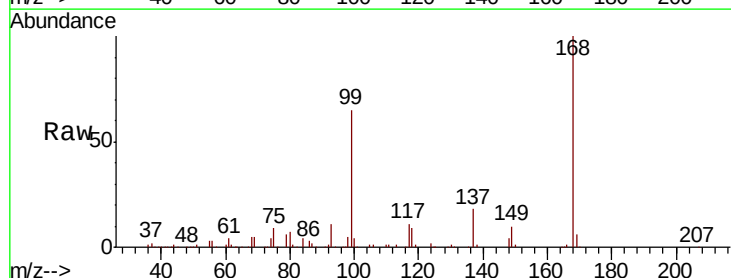
Tgt Ion: 56 Resp: 5903

Ion Ratio Lower Upper

56 100

69 170.8 24.3 36.5#

84 153.5 60.4 90.6#

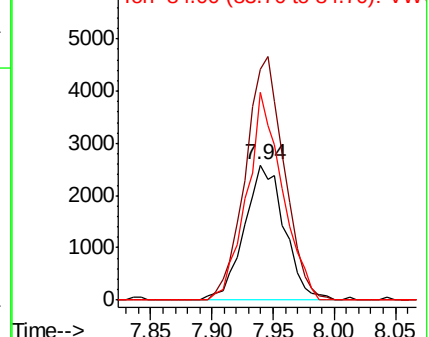
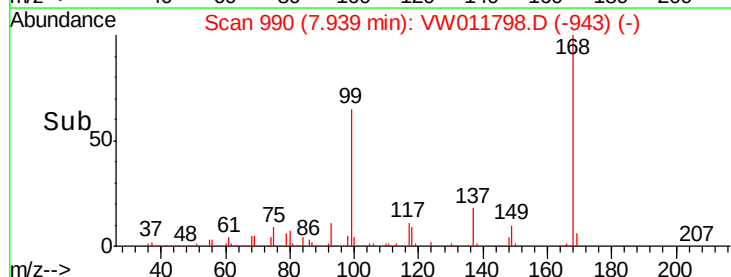


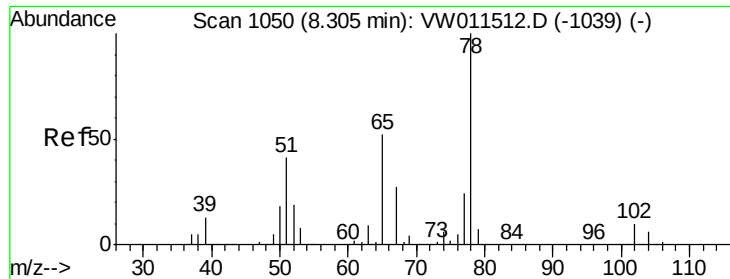
Abundance

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

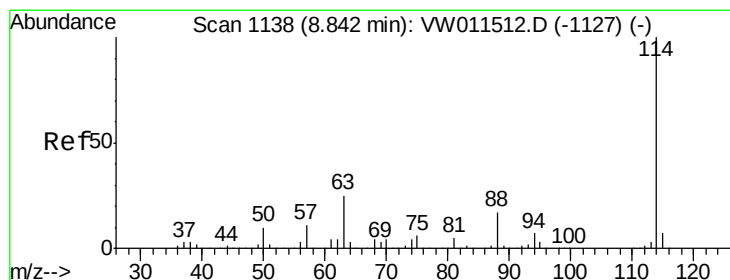
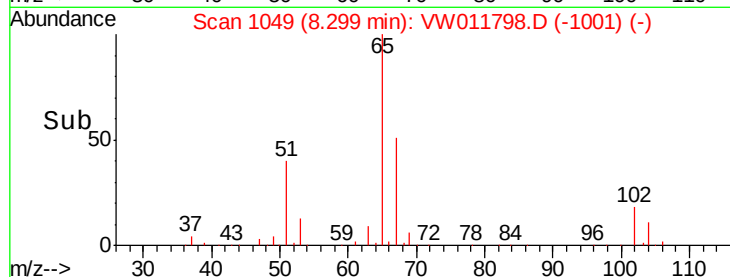
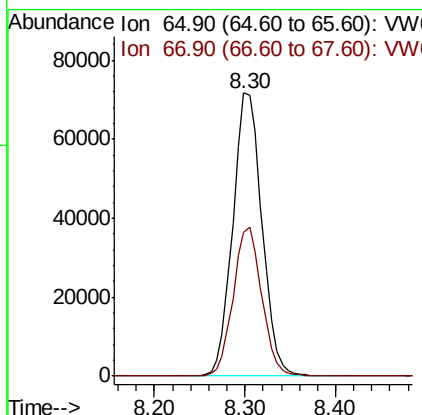
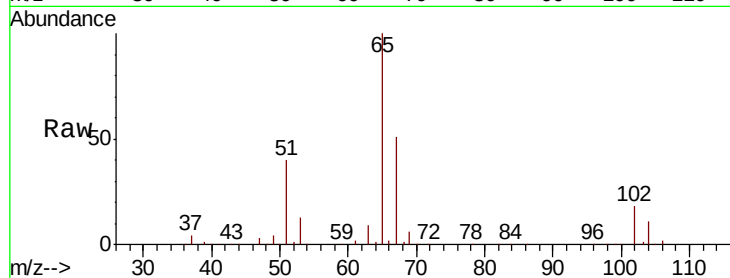




#33
 1,2-Dichloroethane-d4
 Concen: 59.756 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011798.D
 Acq: 09 Aug 2019 04:57

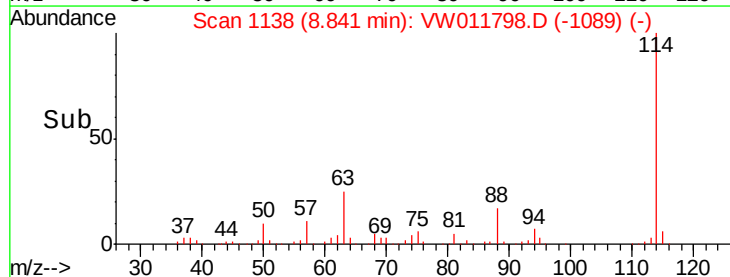
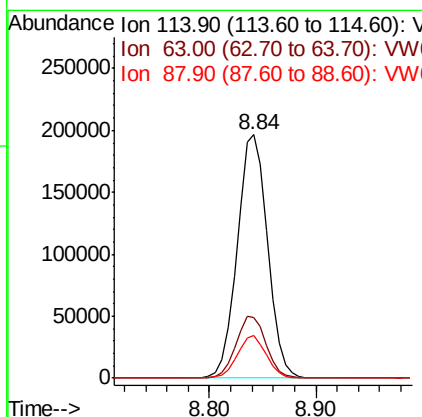
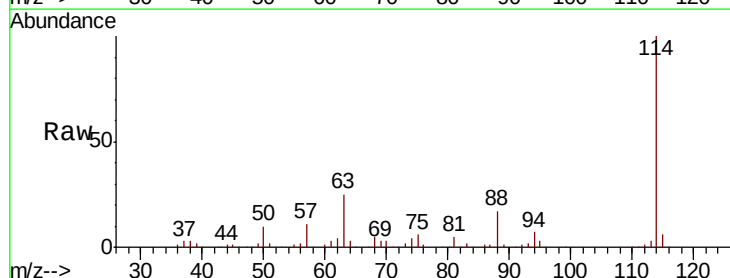
Instrument :
 MSVOA_W
 ClientSampled :
 2S-12-(1)

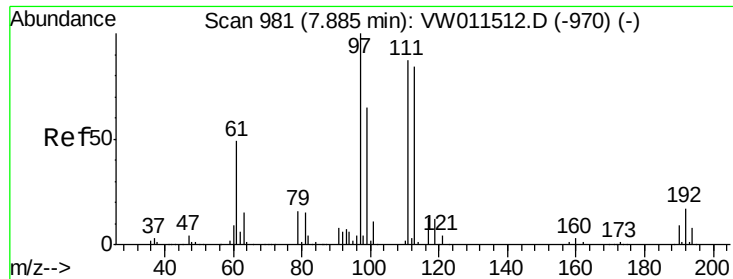
Tgt Ion: 65 Resp: 160230
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011798.D
 Acq: 09 Aug 2019 04:57

Tgt Ion: 114 Resp: 392708
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.4 0.0 33.8

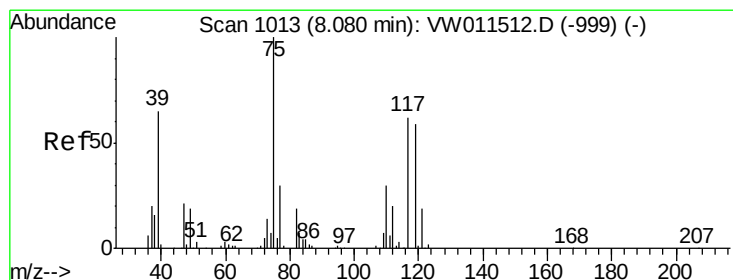
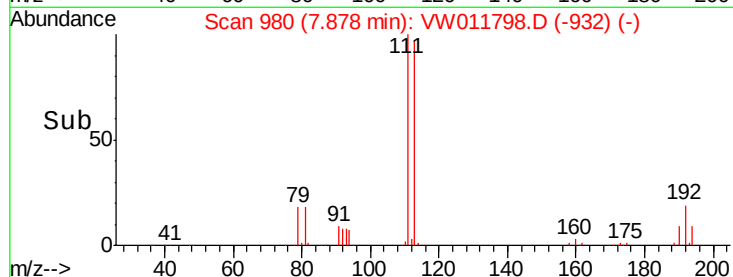
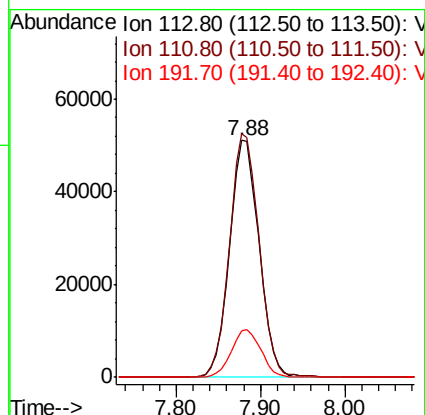
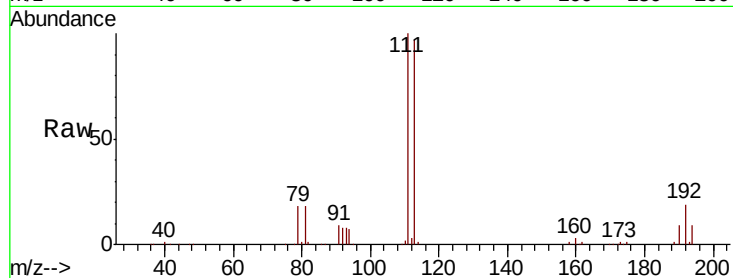




#35
 Dibromofluoromethane
 Concen: 55.239 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011798.D
 Acq: 09 Aug 2019 04:57

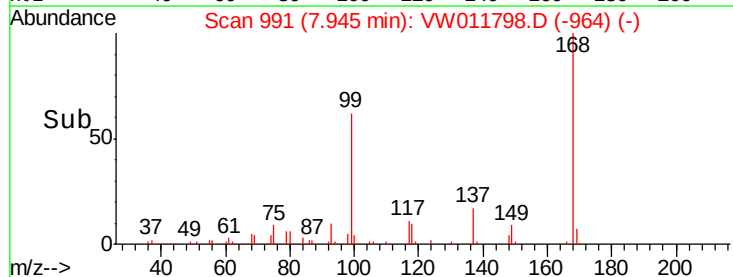
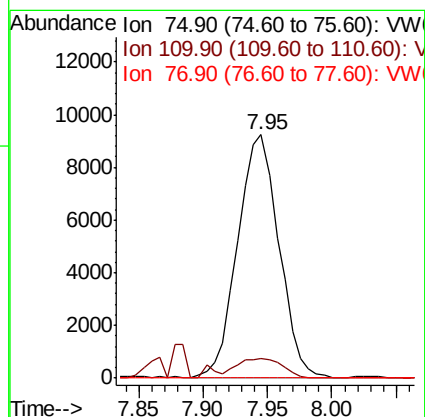
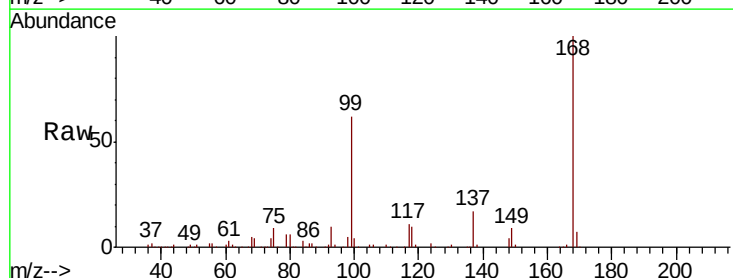
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-12-(1)

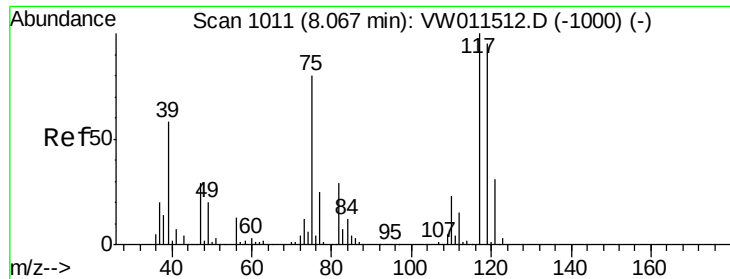
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.7	124.1
192	20.0	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.031 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011798.D
 Acq: 09 Aug 2019 04:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.892 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

Instrument :

MSVOA_W

ClientSampled :

2S-12-(1)

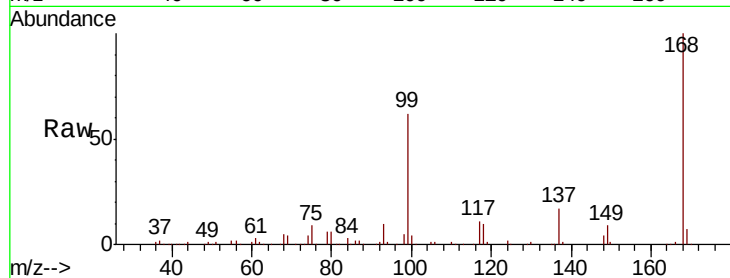
Tgt Ion:117 Resp: 24093

Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.6#

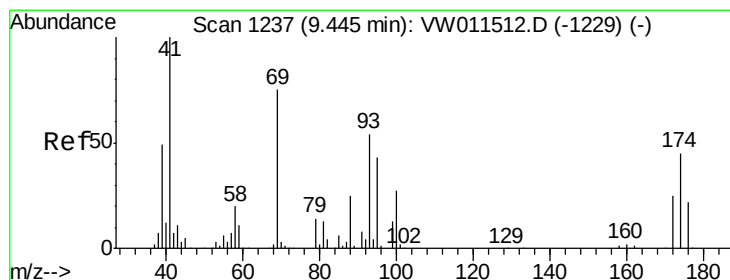
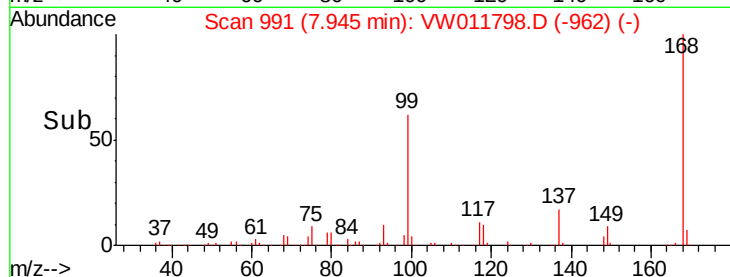
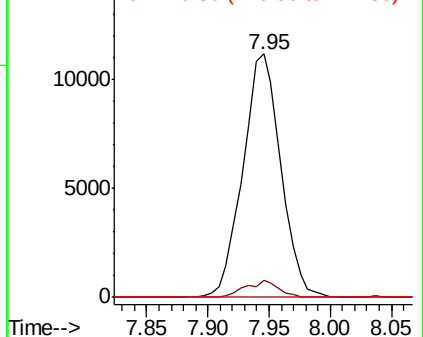
121 0.0 24.7 37.1#



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: 1.384 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.23 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

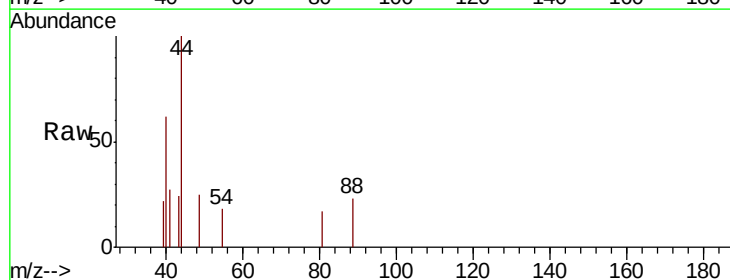
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 107.1 34.0 51.0#

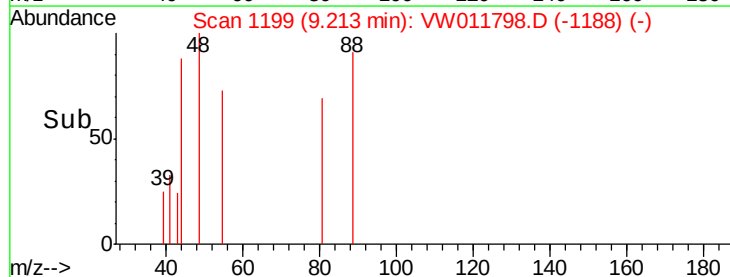
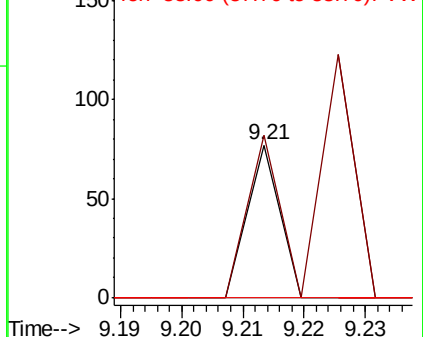
58 0.0 69.7 104.5#

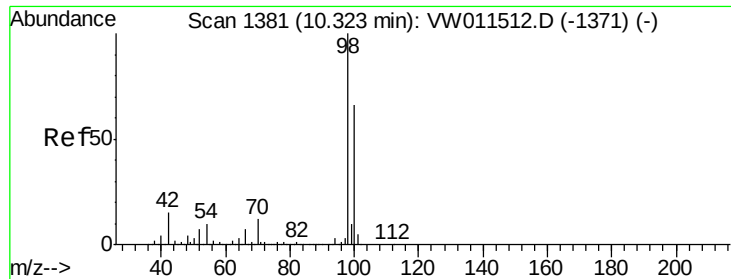


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 56.323 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

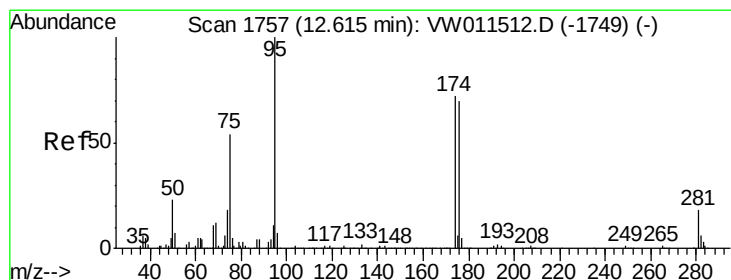
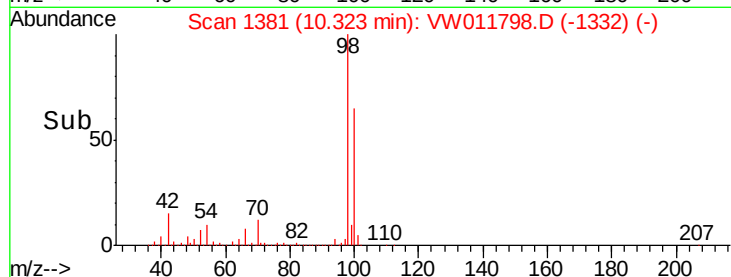
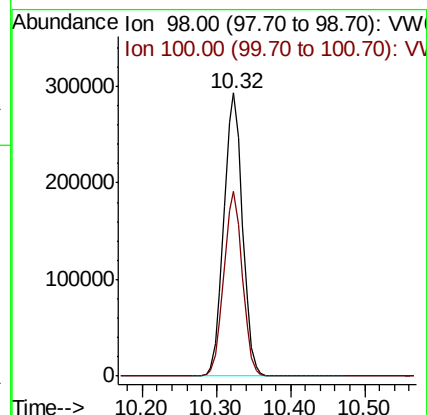
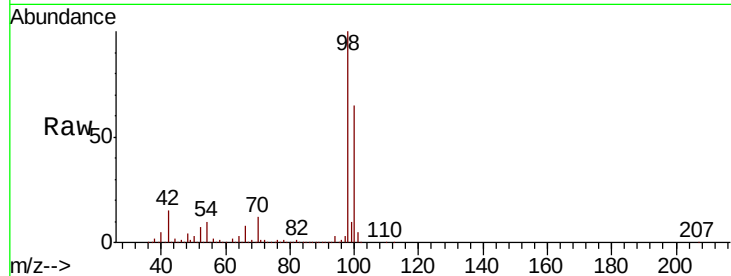
2S-12-(1)

Tgt Ion: 98 Resp: 508052

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 51.890 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

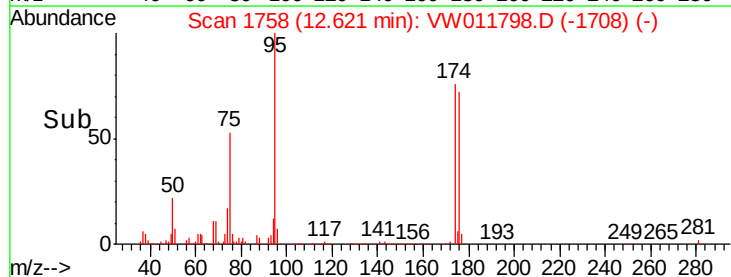
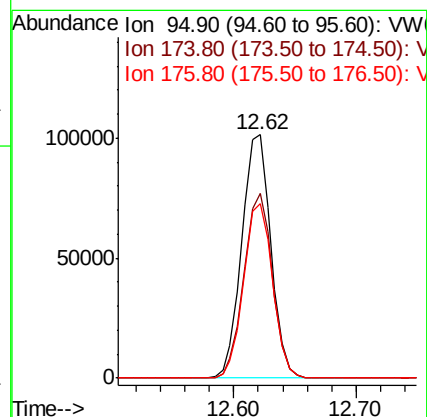
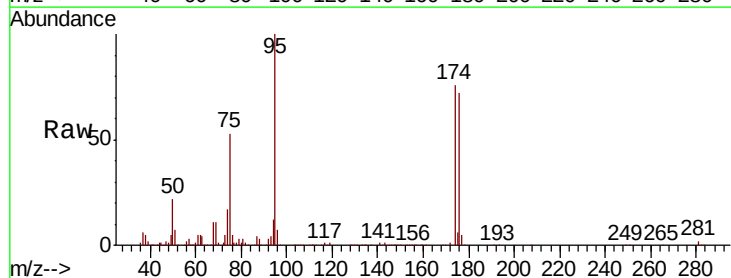
Tgt Ion: 95 Resp: 166874

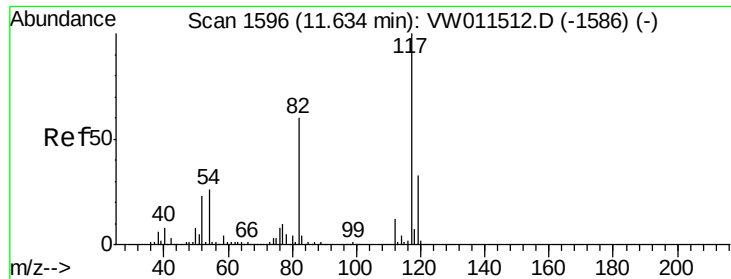
Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

176 71.6 0.0 144.4

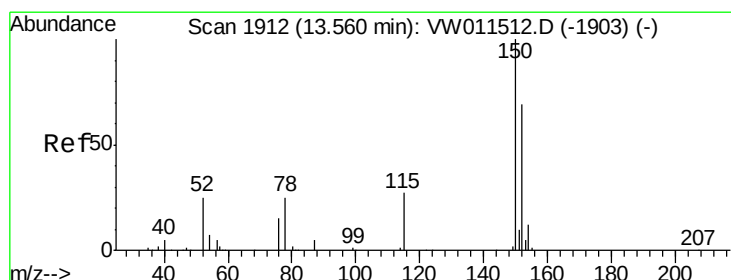
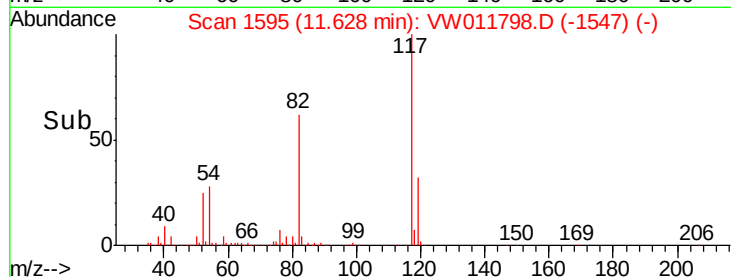
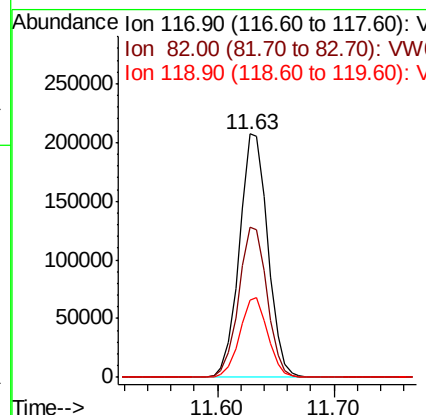
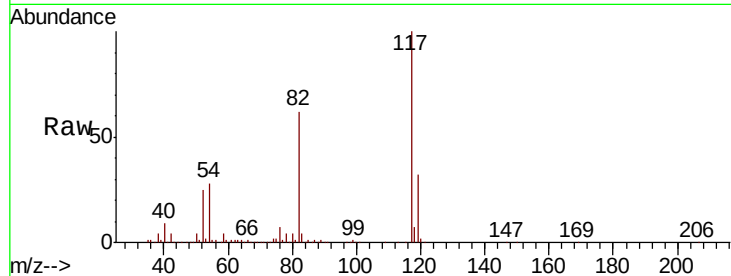




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011798.D
Acq: 09 Aug 2019 04:57

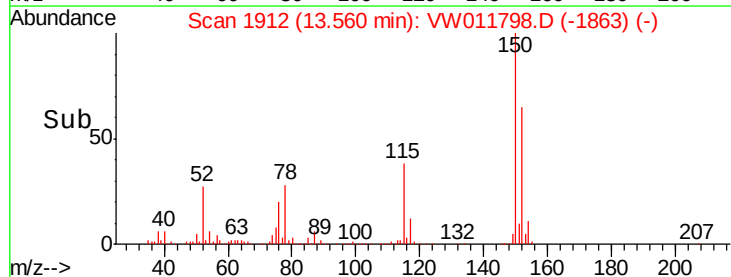
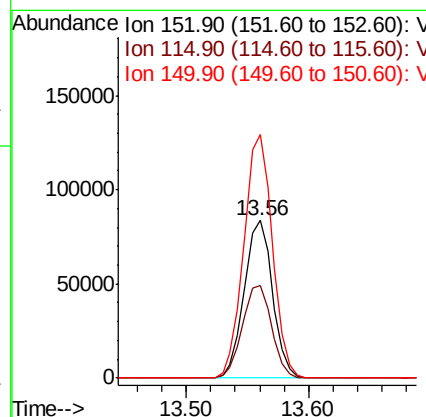
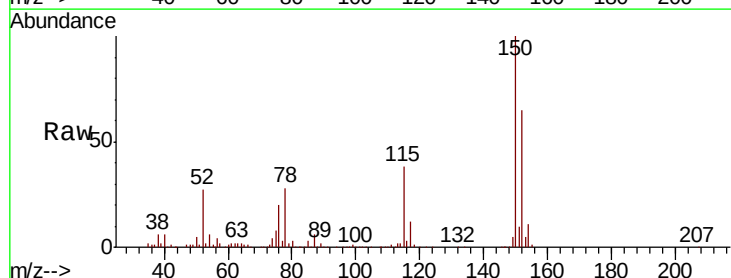
Instrument :
MSVOA_W
ClientSampled :
2S-12-(1)

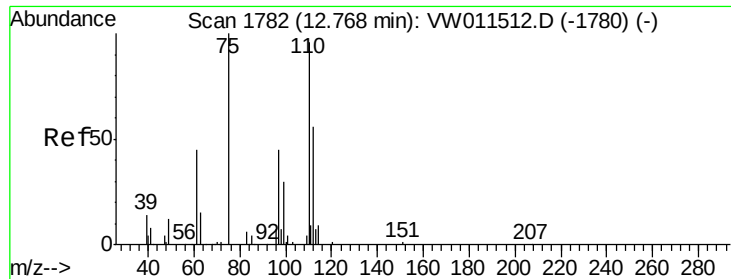
Tgt Ion:117 Resp: 352460
Ion Ratio Lower Upper
117 100
82 61.5 47.9 71.9
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011798.D
Acq: 09 Aug 2019 04:57

Tgt Ion:152 Resp: 134459
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 155.3 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 63.008 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

Instrument :

MSVOA_W

ClientSampled :

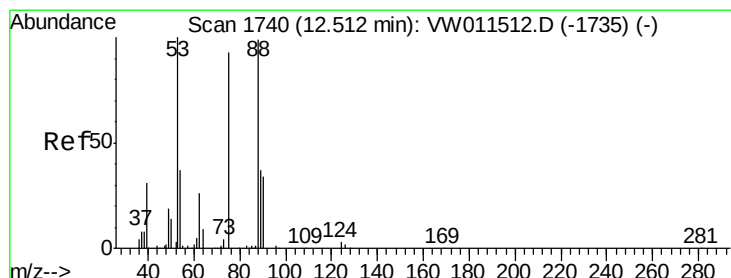
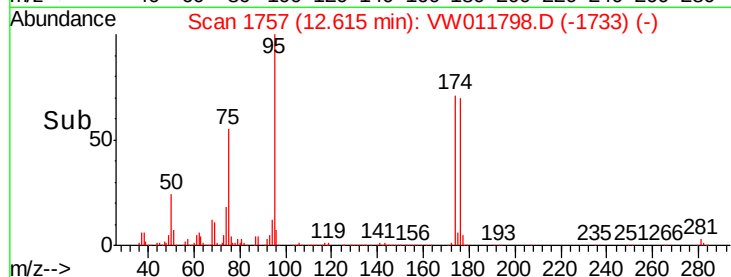
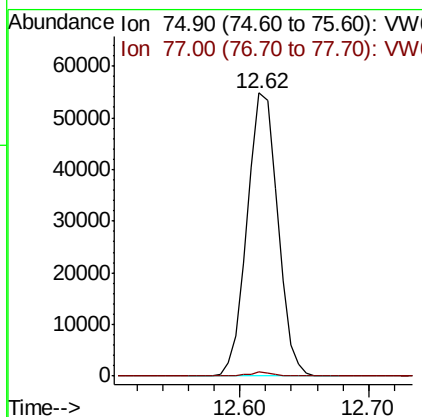
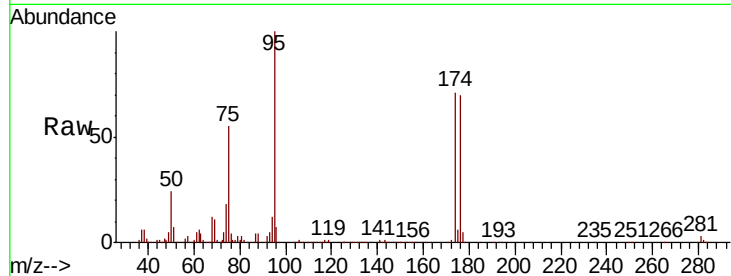
2S-12-(1)

Tgt Ion: 75 Resp: 89644

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.213 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

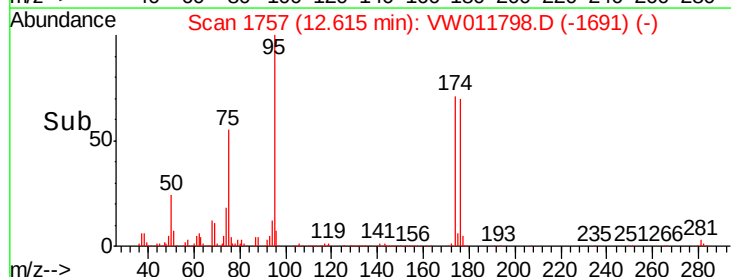
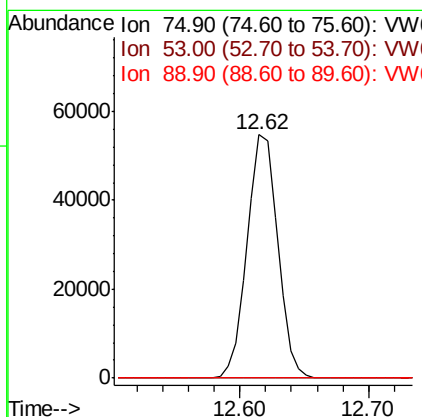
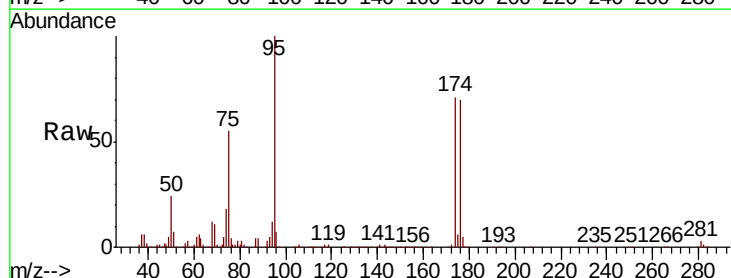
Tgt Ion: 75 Resp: 89644

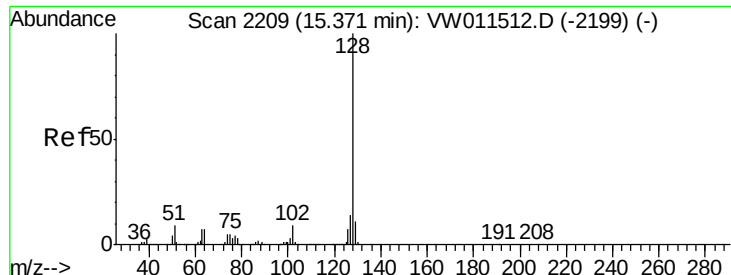
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 2.139 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011798.D

Acq: 09 Aug 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

2S-12-(1)

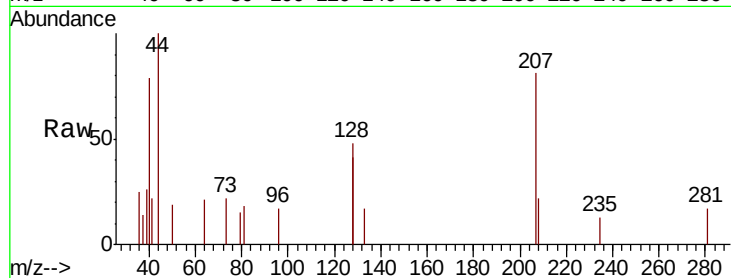
Tgt Ion:128 Resp: 406

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

