

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011879.D
 Acq On : 13 Aug 2019 04:37
 Operator : SY/VA
 Sample : K4230-09
 Misc : 5.27G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:26:02 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	226337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102503	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	150740	58.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.00%	
35) Dibromofluoromethane	7.88	113	117989	55.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.78%	
50) Toluene-d8	10.32	98	460219	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.54%	
62) 4-Bromofluorobenzene	12.62	95	133197	42.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.68%	

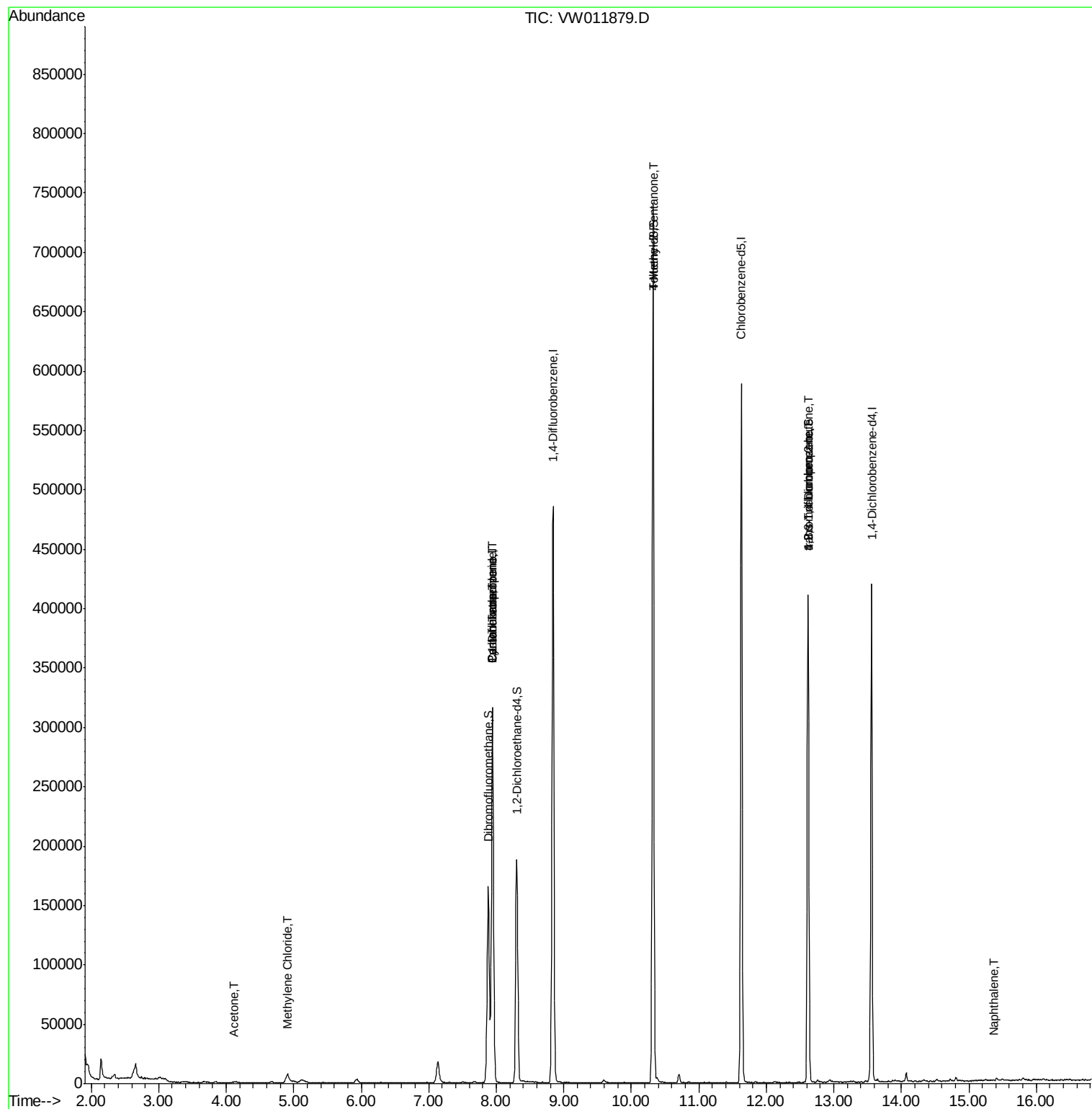
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	2593	Below Cal	#	74
16) Acetone	4.12	43	1599	1.934	ug/l #	73
20) Methylene Chloride	4.91	84	4785	1.678	ug/l	91
31) Cyclohexane	7.94	56	5956	1.226	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19549	4.951	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22957	6.792	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	2989	1.376	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	71951	66.339	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71951	152.888	ug/l #	6
95) Naphthalene	15.36	128	243	2.124	ug/l #	69

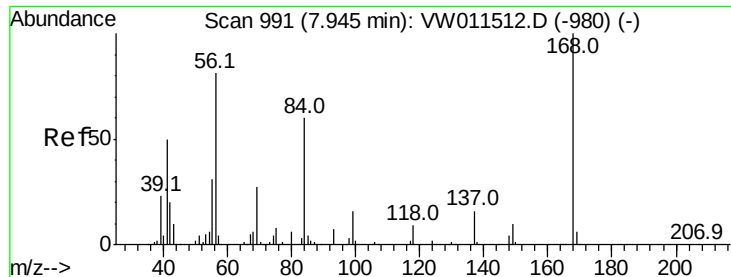
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Aug 13 09:26:02 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: VW011879.D

Acq: 13 Aug 2019 04:37

Instrument :

MSVOA_W

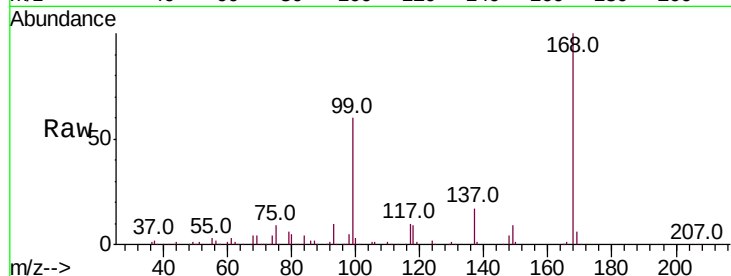
ClientSampleId :

Tot Ion:168 Resp: 226337

Ion Ratio Lower Upper

168 100

99 60.0 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

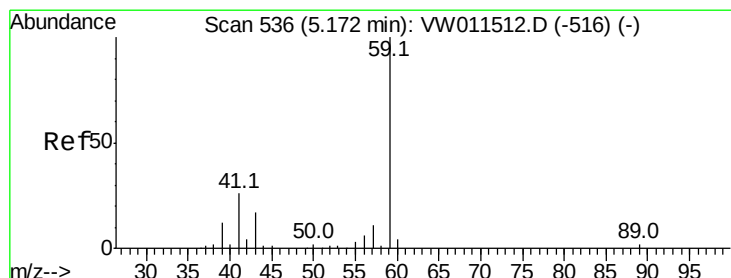
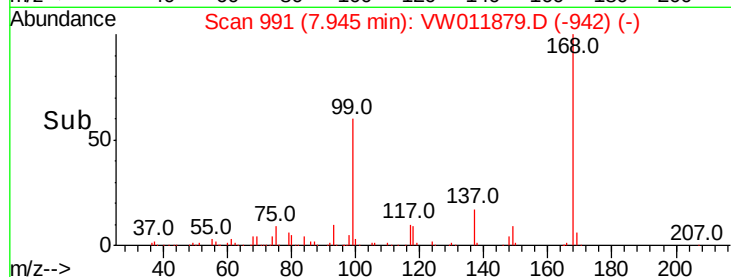
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011879.D

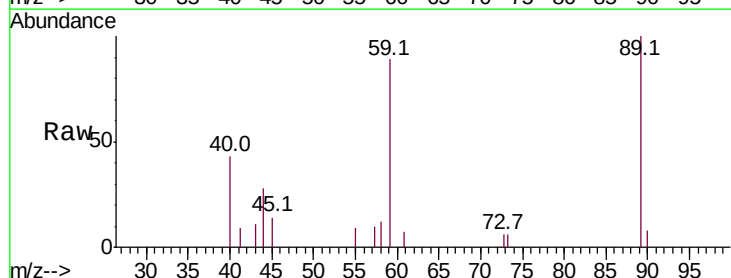
Acq: 13 Aug 2019 04:37

Tgt Ion: 59 Resp: 2593

Ion Ratio Lower Upper

59 100

57 0.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

800

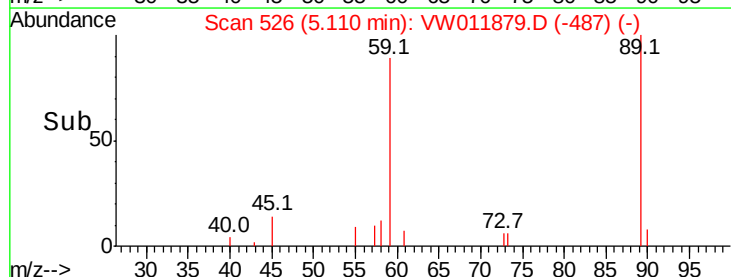
600

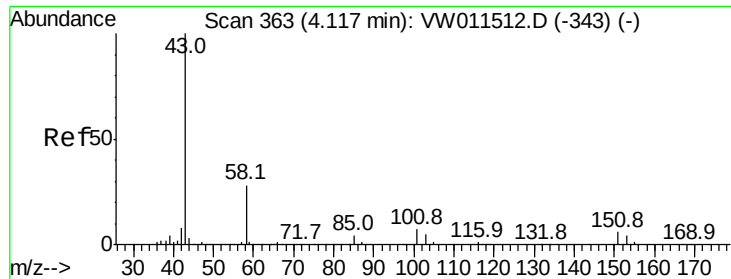
400

200

0

Time-->

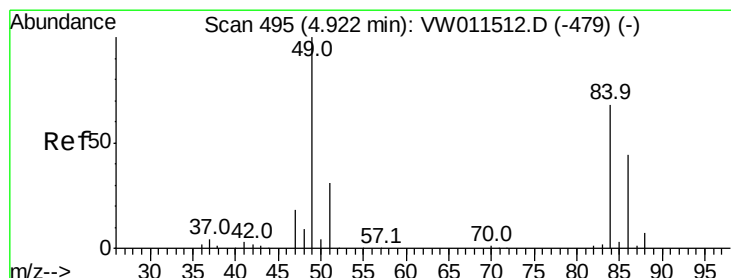
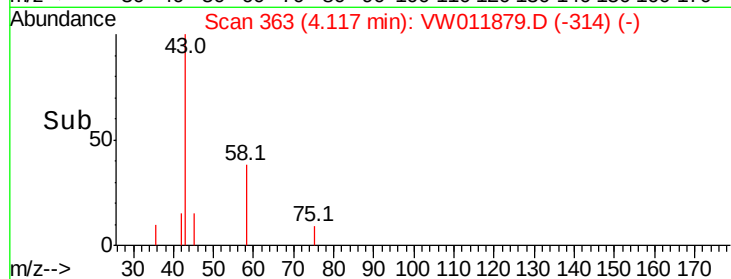
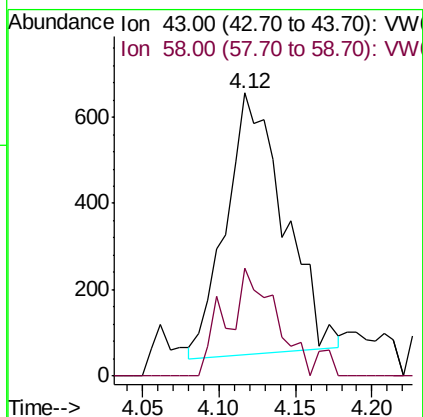
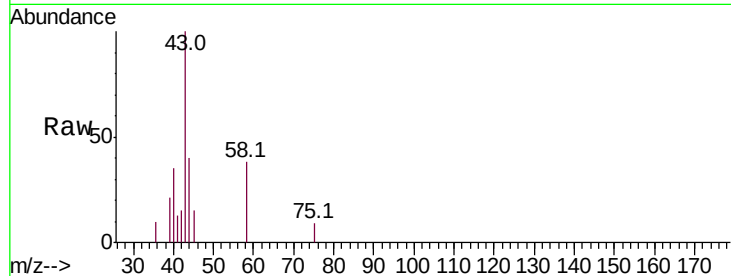




#16
Acetone
Concen: 1.934 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW011879.D
Acq: 13 Aug 2019 04:37

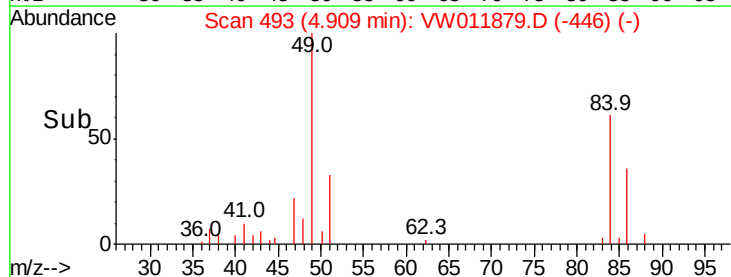
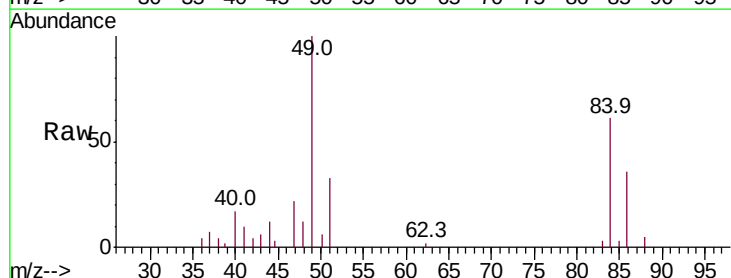
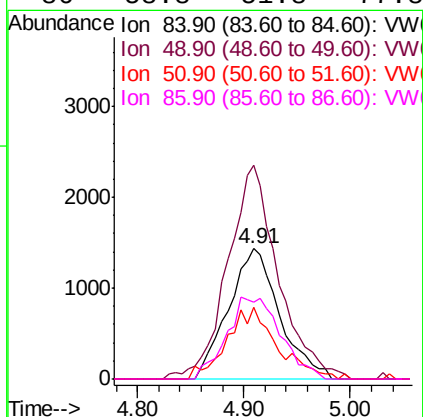
Instrument :
MSVOA_W
ClientSampled :

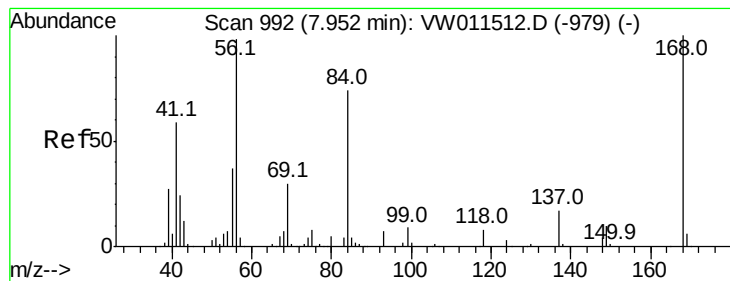
Tot Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
58 42.1 22.3 33.5#



#20
Methylene Chloride
Concen: 1.678 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011879.D
Acq: 13 Aug 2019 04:37

Tgt Ion: 84 Resp: 4785
Ion Ratio Lower Upper
84 100
49 158.1 117.8 176.6
51 54.8 37.0 55.4
86 58.8 51.8 77.8





#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011879.D

Acq: 13 Aug 2019 04:37

Instrument :

MSVOA_W

ClientSampleId :

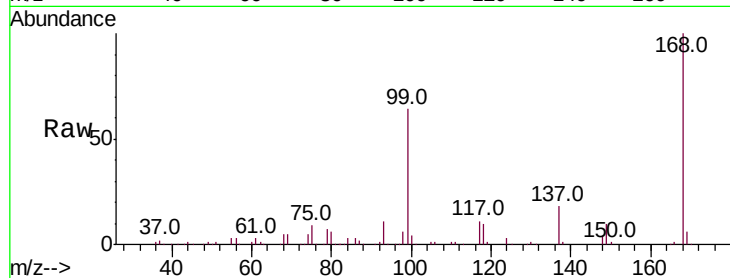
Tot Ion: 56 Resp: 5956

Ion Ratio Lower Upper

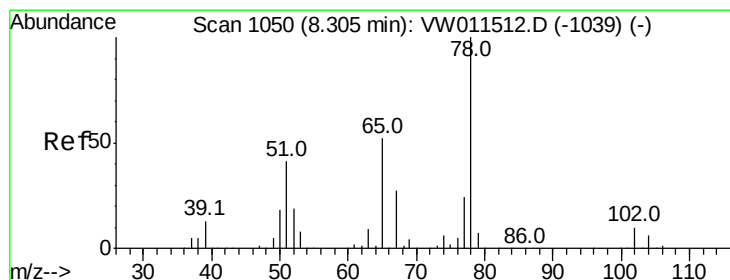
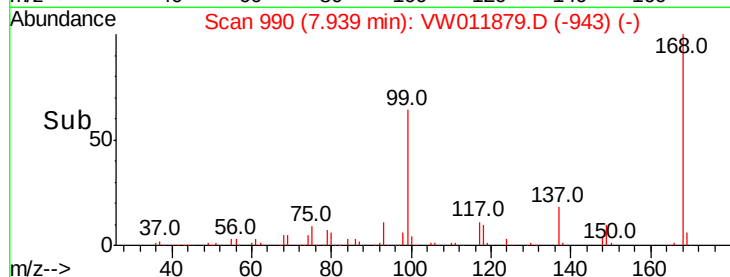
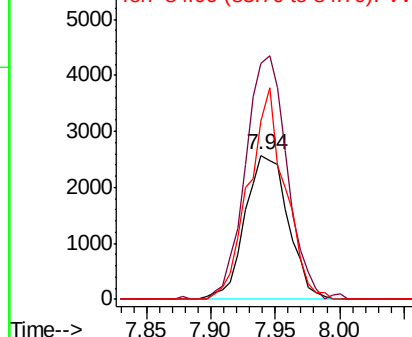
56 100

69 163.5 24.3 36.5#

84 124.2 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: 58.000 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011879.D

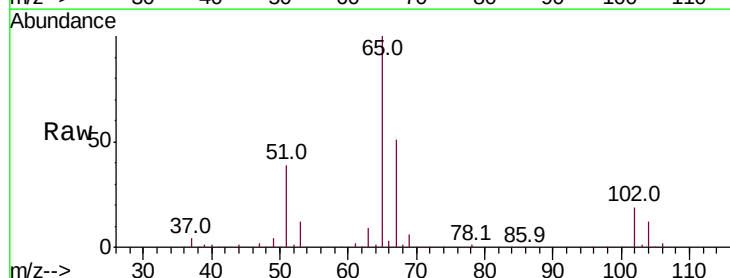
Acq: 13 Aug 2019 04:37

Tgt Ion: 65 Resp: 150740

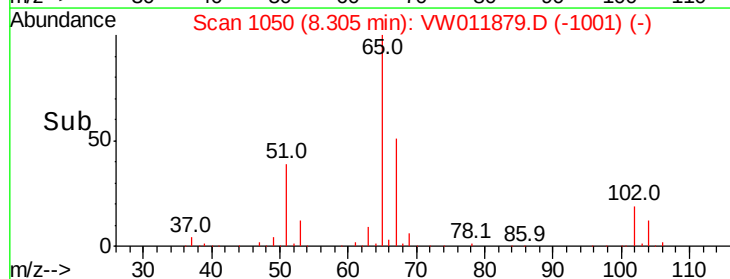
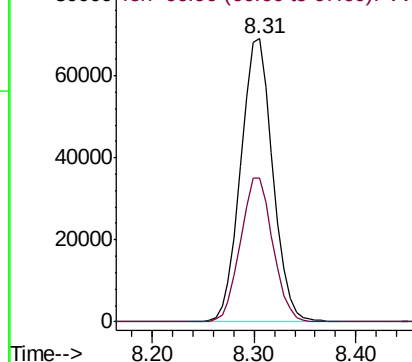
Ion Ratio Lower Upper

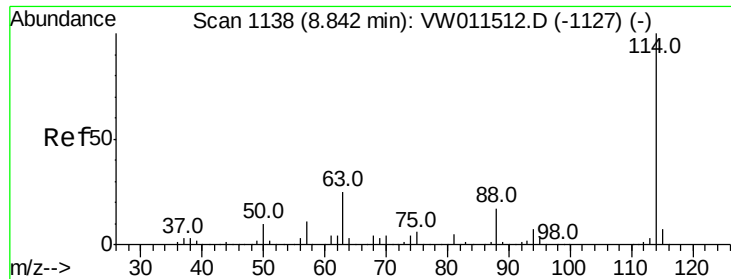
65 100

67 51.5 0.0 105.2



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

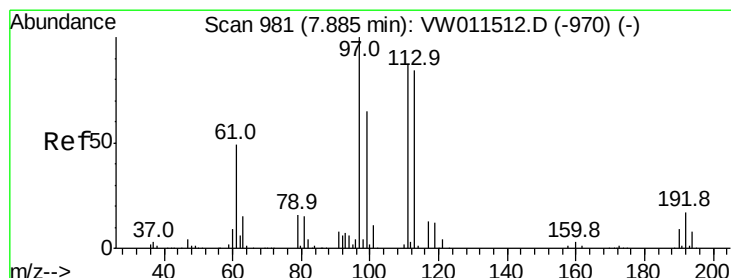
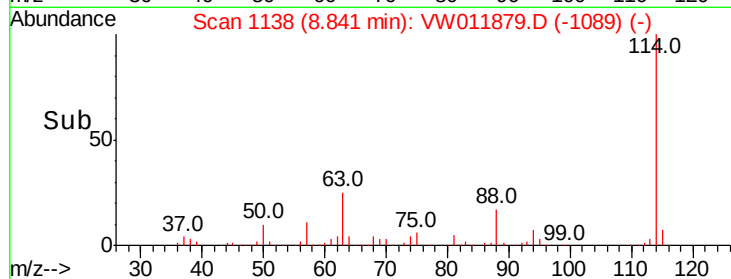
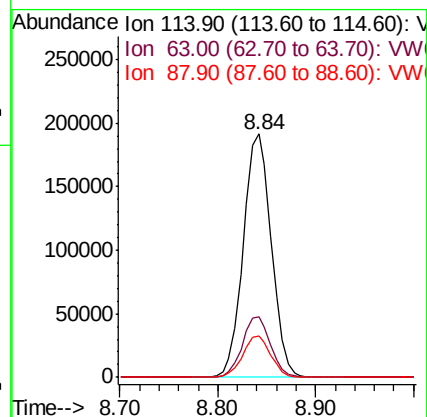
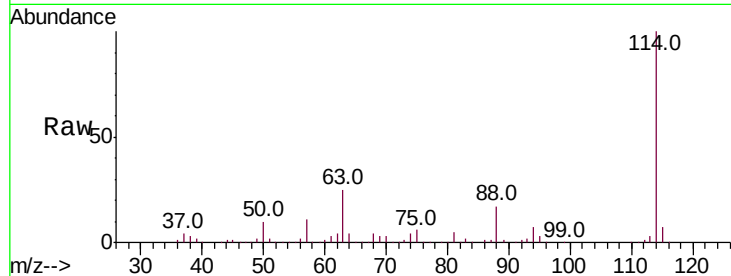




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011879.D
 Acq: 13 Aug 2019 04:37

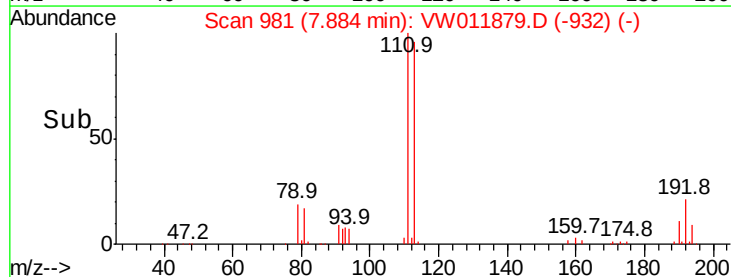
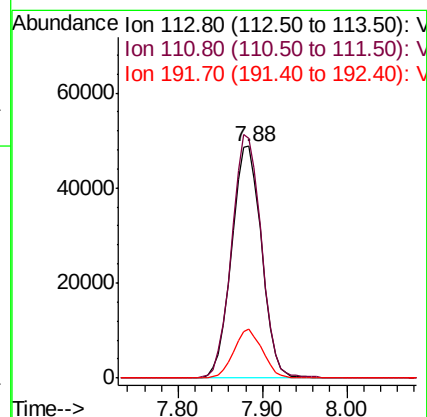
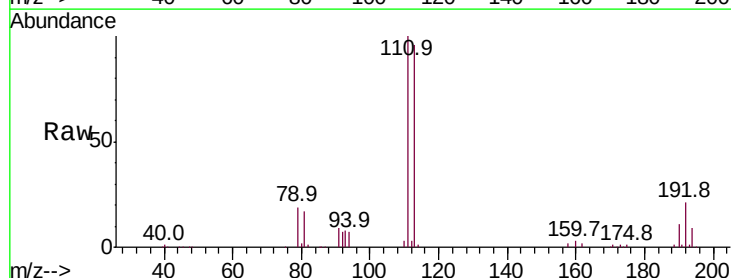
Instrument :
 MSVOA_W
 ClientSampleId :

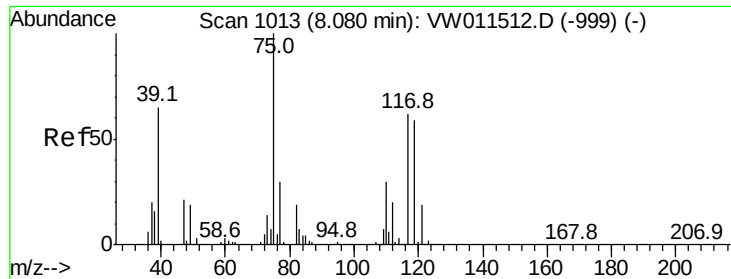
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	49.2
88	17.0	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 55.389 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011879.D
 Acq: 13 Aug 2019 04:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.1	16.1	24.1





#36

1,1-Dichloropropene

Concen: 4.951 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011879.D

Acq: 13 Aug 2019 04:37

Instrument :
MSVOA_W
ClientSampled :

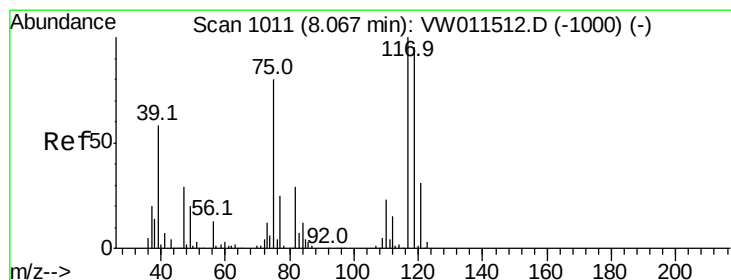
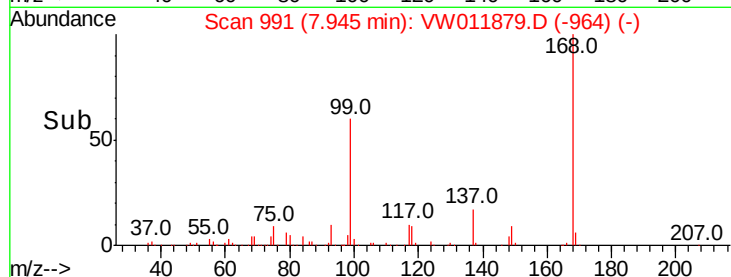
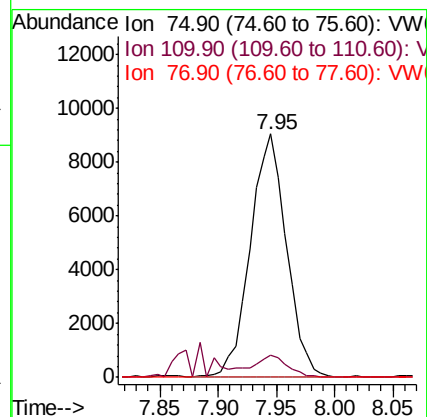
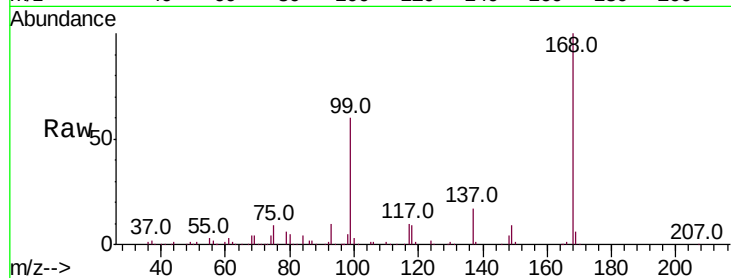
Tot Ion: 75 Resp: 19549

Ion Ratio Lower Upper

75 100

110 7.2 15.6 46.8#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.792 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011879.D

Acq: 13 Aug 2019 04:37

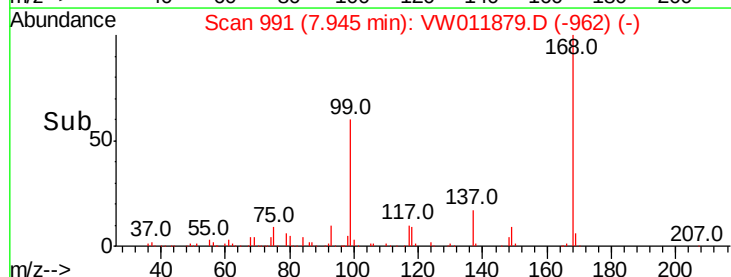
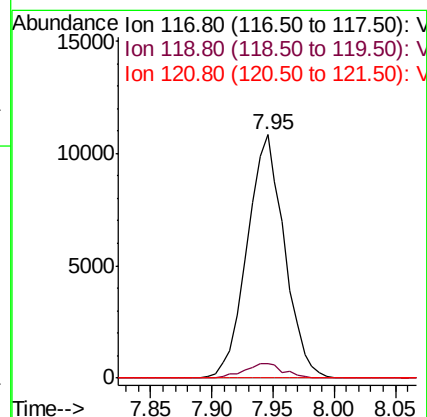
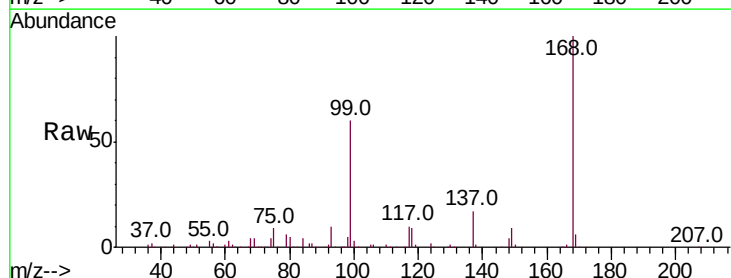
Tgt Ion: 117 Resp: 22957

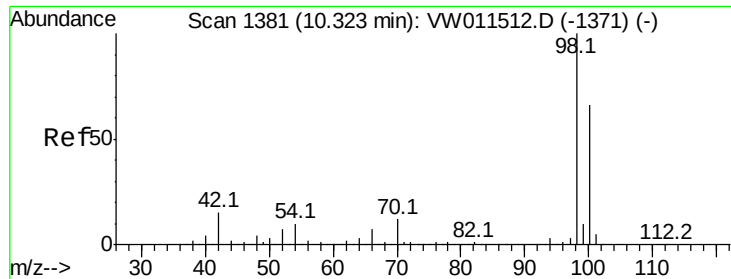
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 52.767 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011879.D

Acq: 13 Aug 2019 04:37

Instrument :

MSVOA_W

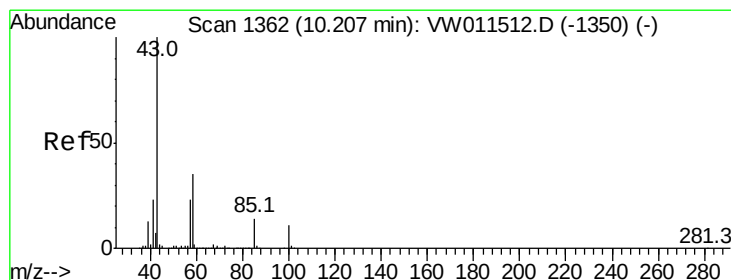
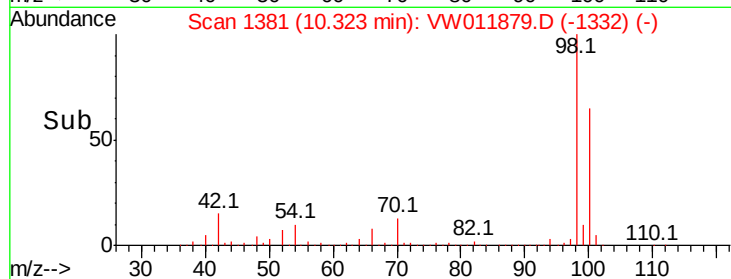
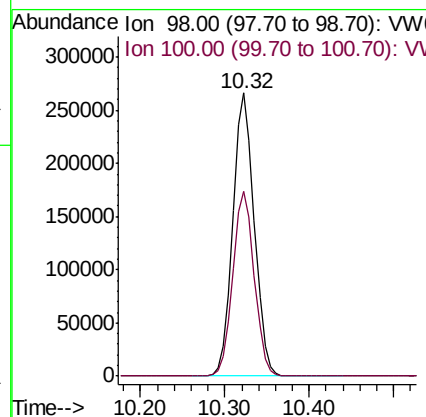
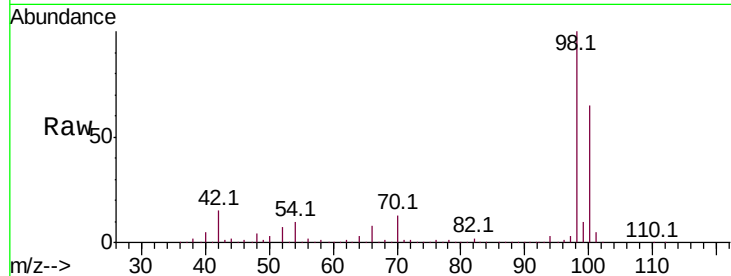
ClientSampled :

Tot Ion: 98 Resp: 460219

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.376 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW011879.D

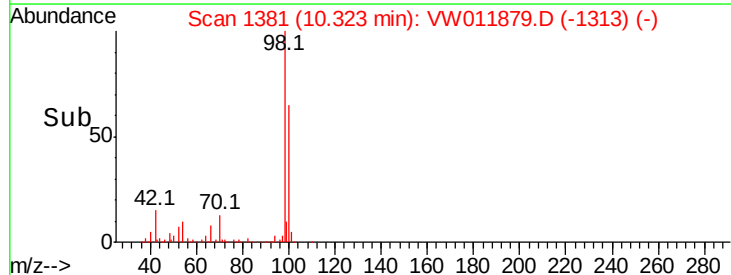
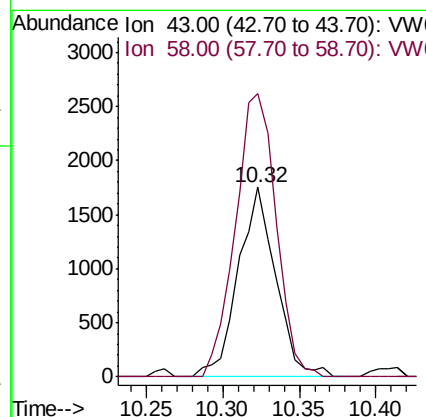
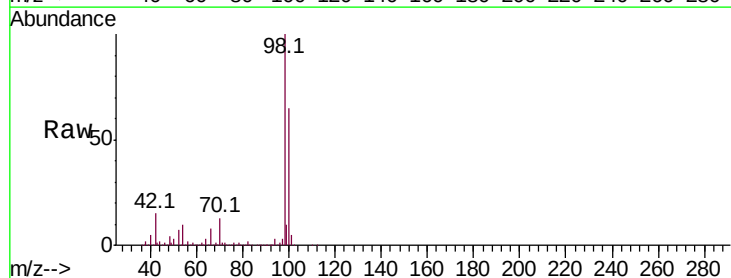
Acq: 13 Aug 2019 04:37

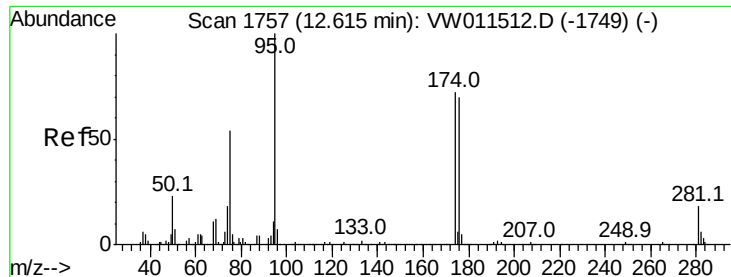
Tgt Ion: 43 Resp: 2989

Ion Ratio Lower Upper

43 100

58 161.9 28.2 42.2#

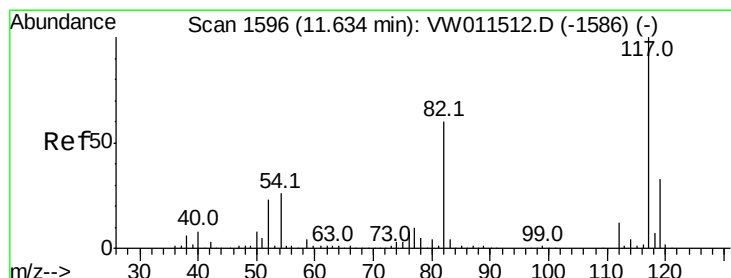
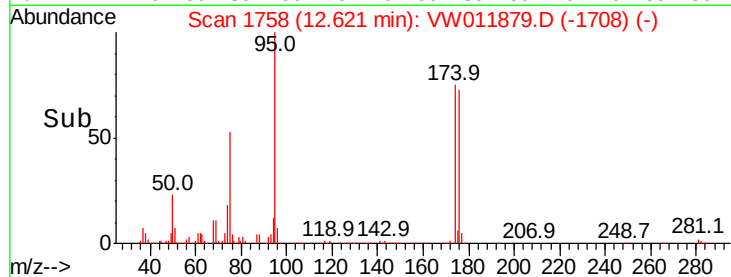
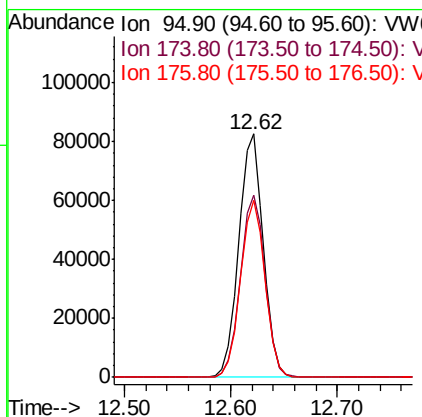
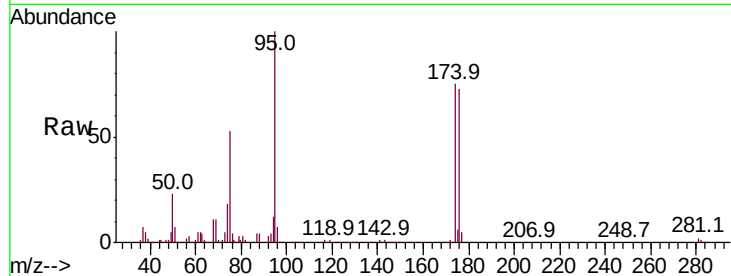




#62
4-Bromofluorobenzene
Concen: 42.836 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011879.D
Acq: 13 Aug 2019 04:37

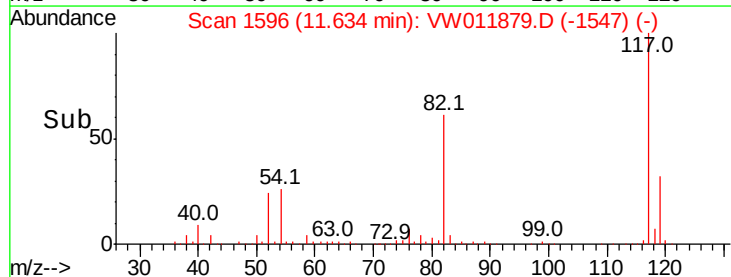
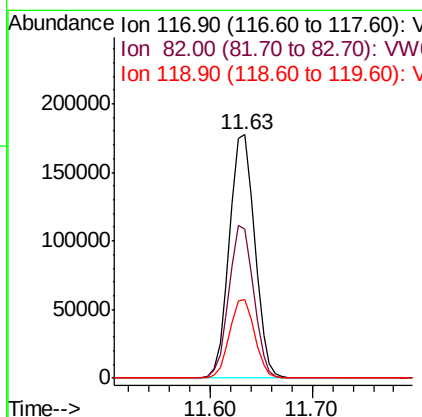
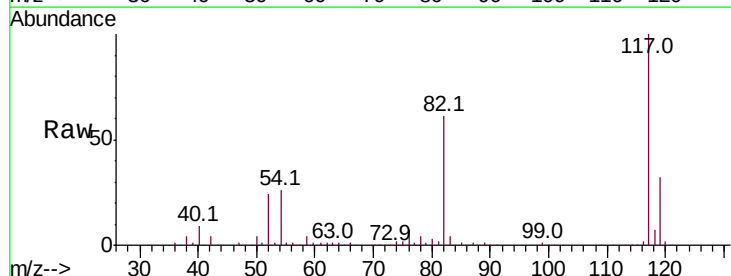
Instrument :
MSVOA_W
ClientSampled :

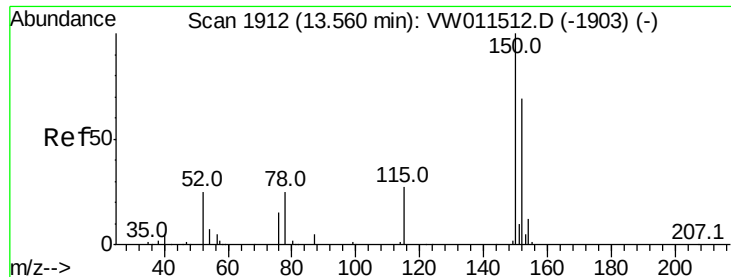
Tot Ion: 95 Resp: 133197
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 72.8 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011879.D
Acq: 13 Aug 2019 04:37

Tgt Ion: 117 Resp: 304755
Ion Ratio Lower Upper
117 100
82 61.0 47.9 71.9
119 32.0 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: VW011879.D

Acq: 13 Aug 2019 04:37

Instrument :

MSVOA_W

ClientSampleId :

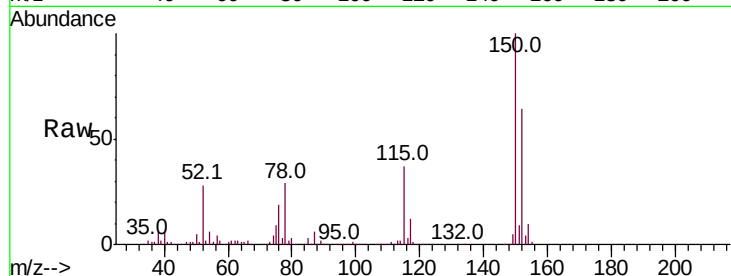
Tot Ion:152 Resp: 102503

Ion Ratio Lower Upper

152 100

115 58.6 30.5 91.5

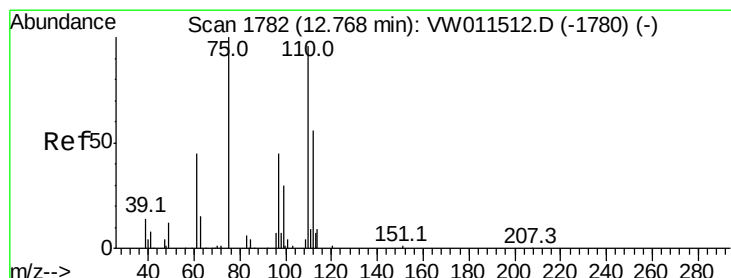
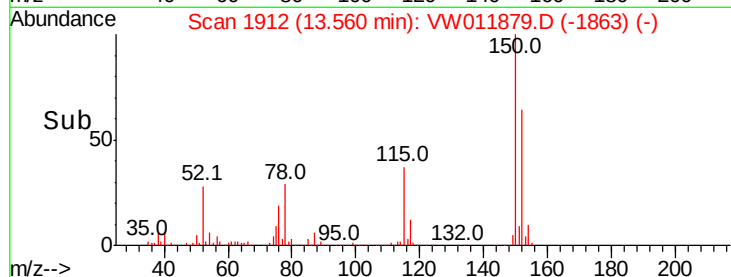
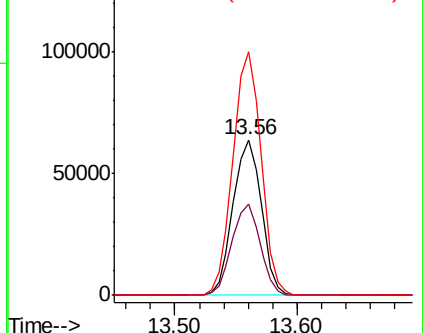
150 155.7 0.0 352.6



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: 66.339 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011879.D

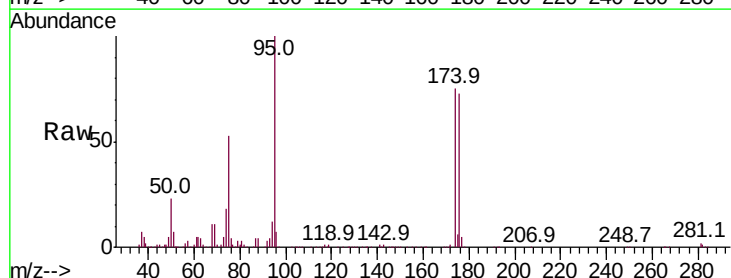
Acq: 13 Aug 2019 04:37

Tgt Ion: 75 Resp: 71951

Ion Ratio Lower Upper

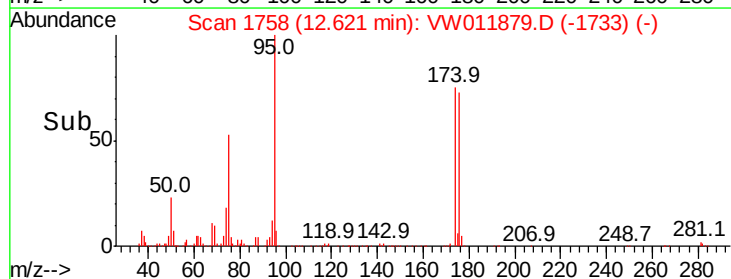
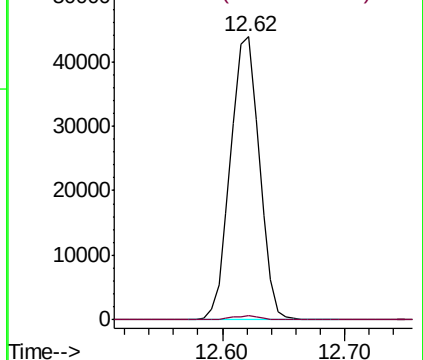
75 100

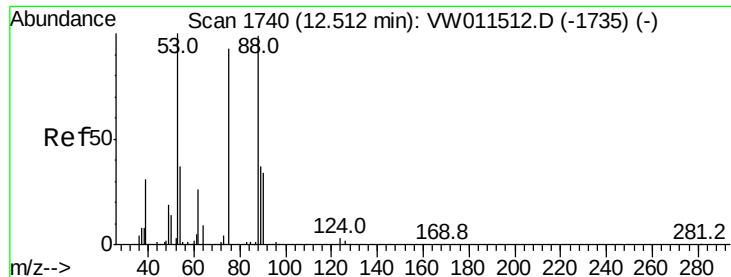
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

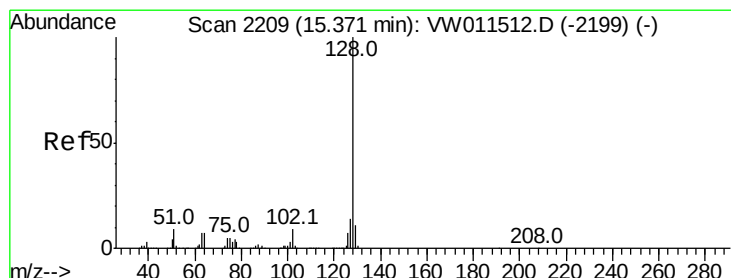
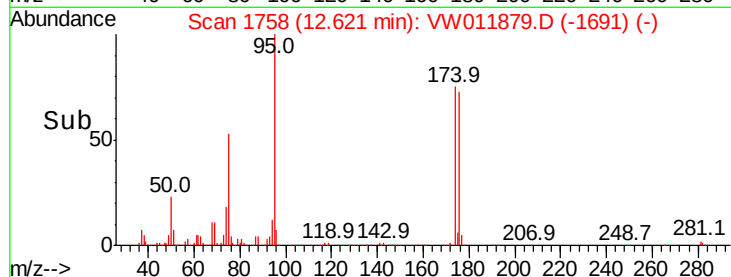
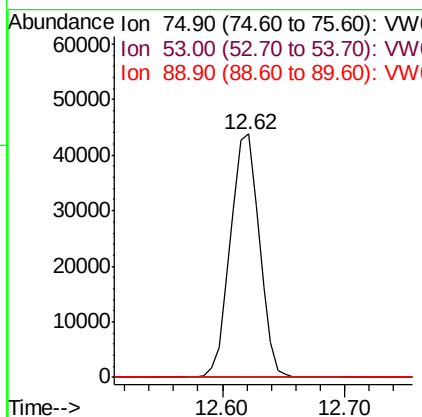
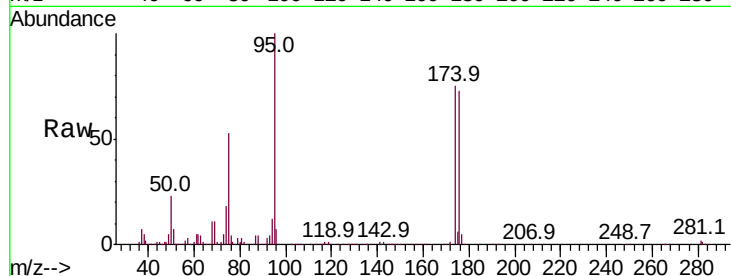




#81
trans-1,4-Dichloro-2-butene
Concen: 152.888 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW011879.D
Acq: 13 Aug 2019 04:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 71951
Ion Ratio Lower Upper
75 100
53 0.2 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.124 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011879.D
Acq: 13 Aug 2019 04:37

Tgt Ion: 128 Resp: 243
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

