

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012497.D
 Acq On : 02 Sep 2019 14:27
 Operator : SY/VA
 Sample : K4528-15
 Misc : 4.28G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S1-(1.9)

Quant Time: Sep 03 08:06:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

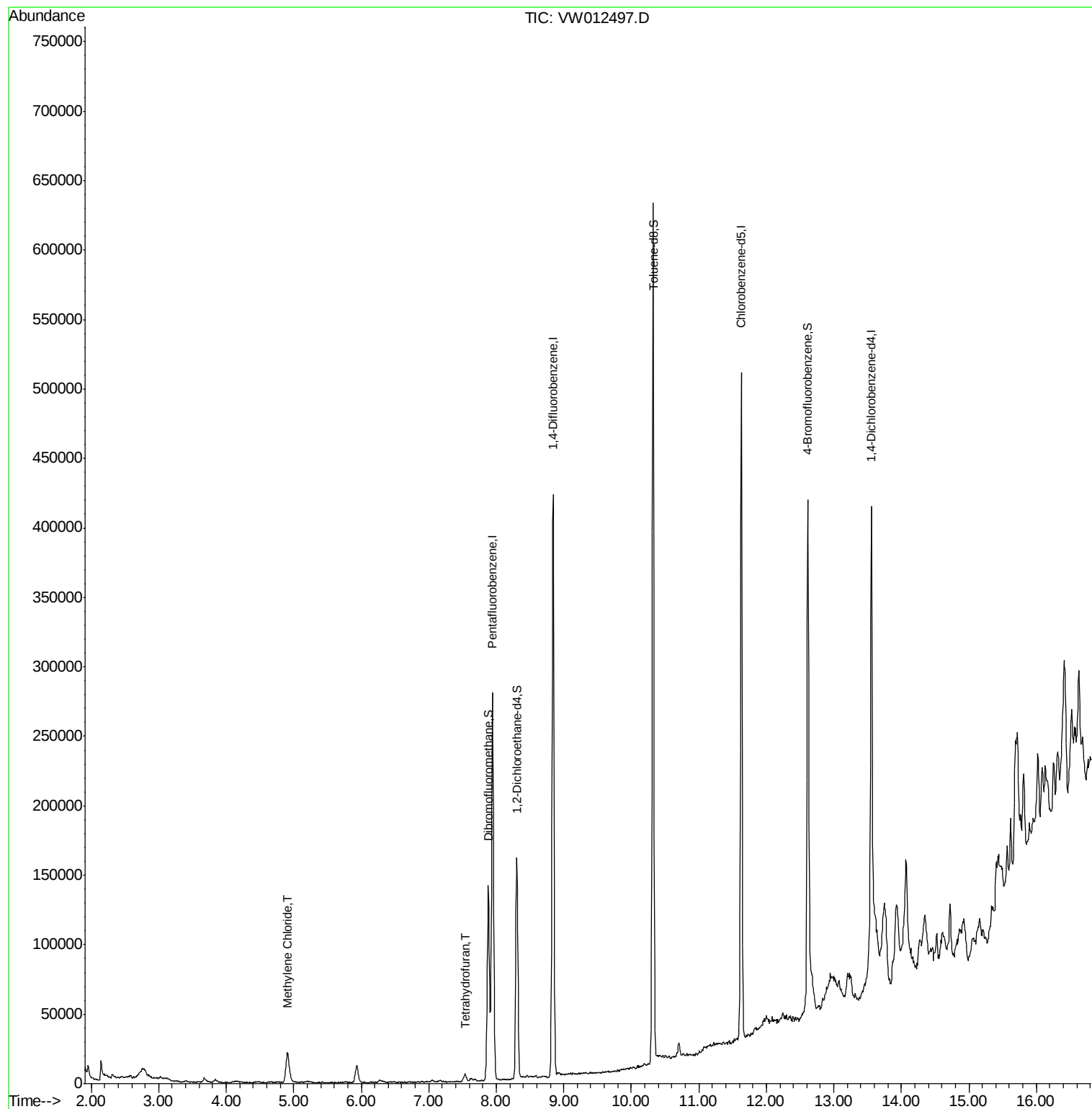
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	75328	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	129457	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	7.88	113	98804	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.32	98	389619	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.62	95	119280	42.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.32%	
Target Compounds						
20) Methylene Chloride	4.90	84	16237	7.110	ug/l	97
29) Tetrahydrofuran	7.54	42	4913	9.975	ug/l	97

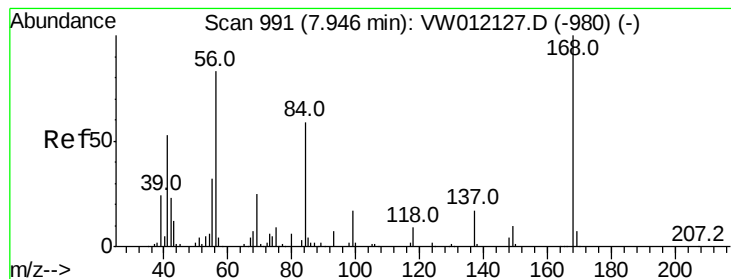
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012497.D

Acq: 02 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

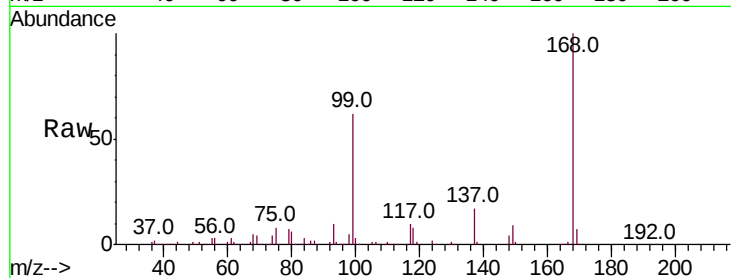
T9-12-13-S1-(1.9)

Tot Ion:168 Resp: 198809

Ion Ratio Lower Upper

168 100

99 61.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

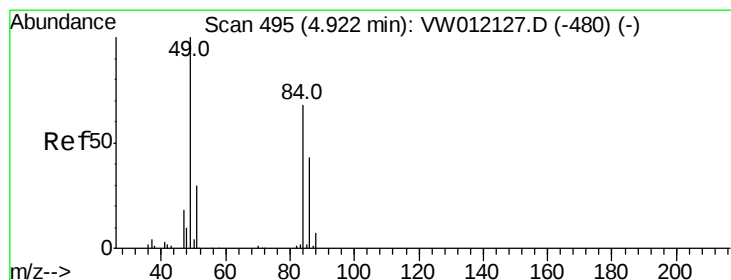
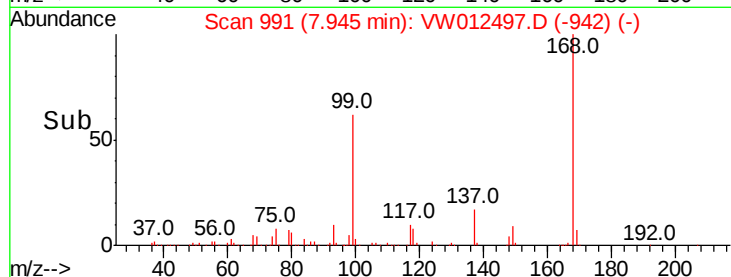
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#20

Methylene Chloride

Concen: 7.110 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

Tgt Ion: 84 Resp: 16237

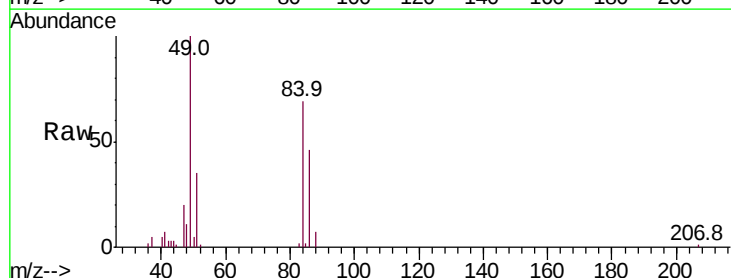
Ion Ratio Lower Upper

84 100

49 144.4 117.8 176.8

51 50.3 35.6 53.4

86 65.9 51.2 76.8



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

4.90

10000

8000

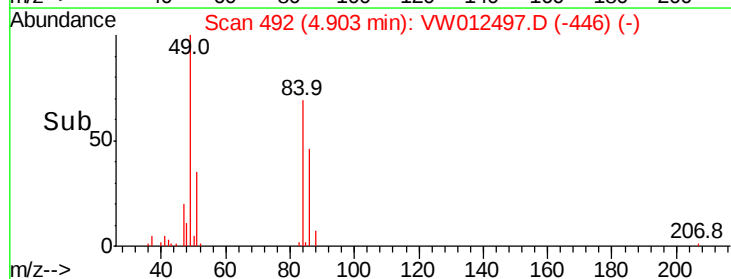
6000

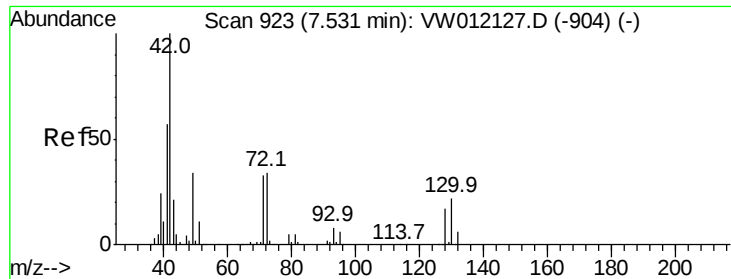
4000

2000

0

Time--> 4.80 4.90 5.00

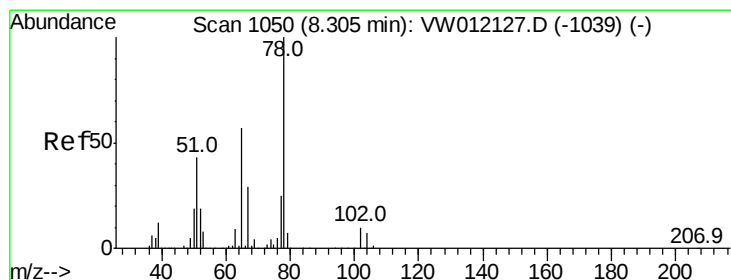
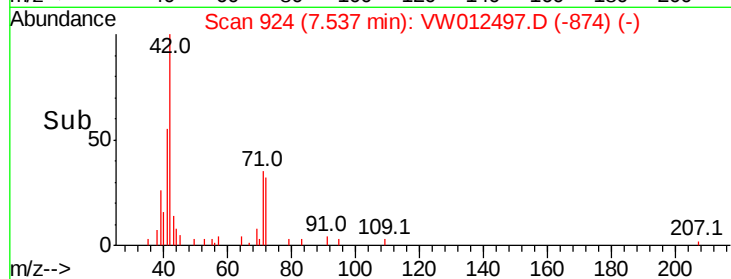
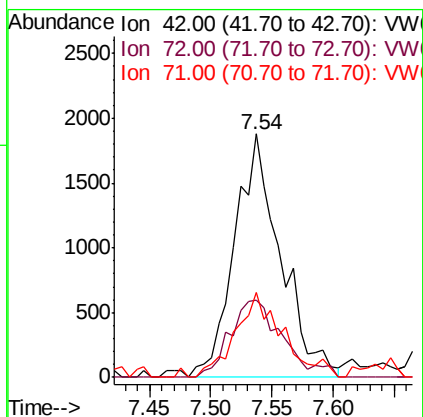
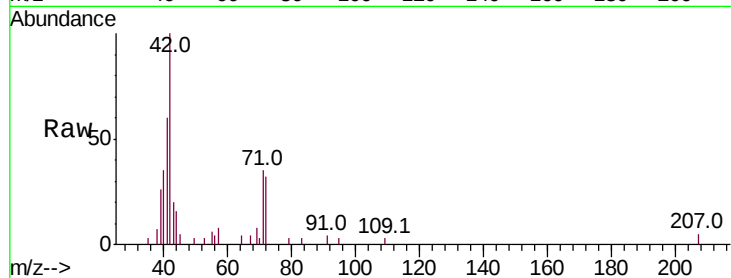




#29
Tetrahydrofuran
Concen: 9.975 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

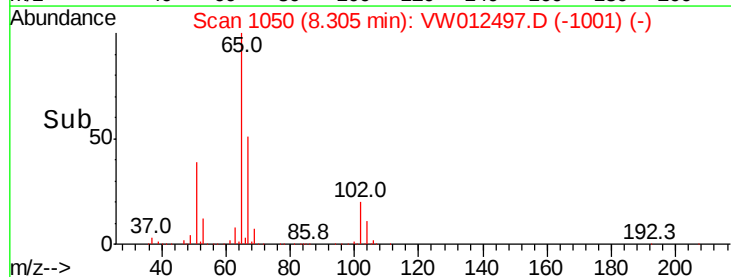
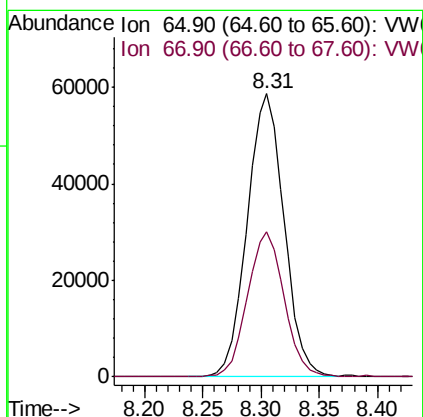
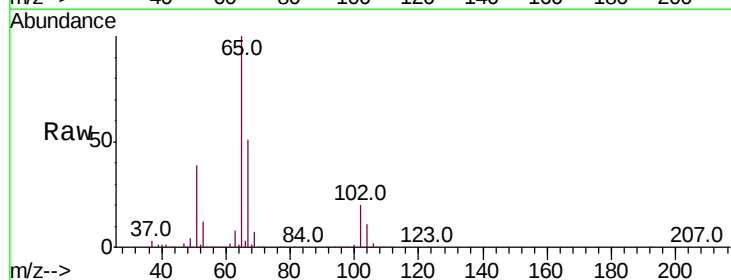
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S1-(1.9)

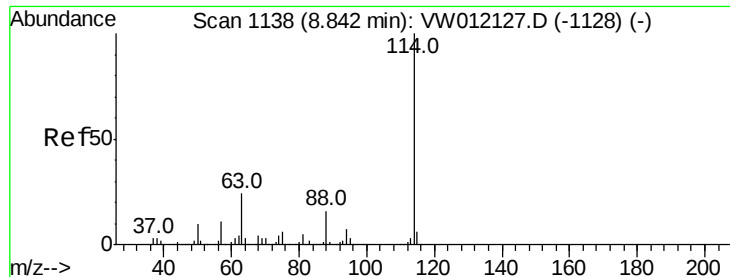
Tot Ion: 42 Resp: 4913
Ion Ratio Lower Upper
42 100
72 34.1 27.3 40.9
71 35.6 25.5 38.3



#33
1,2-Dichloroethane-d4
Concen: 54.777 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

Tgt Ion: 65 Resp: 129457
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.6

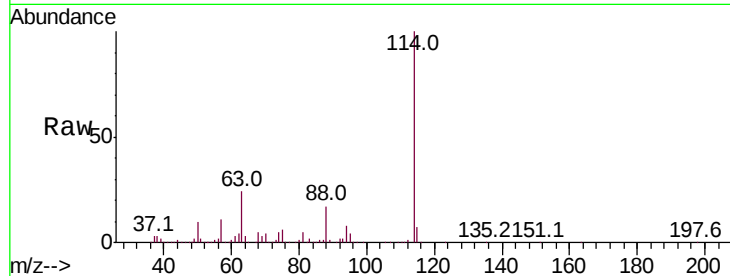




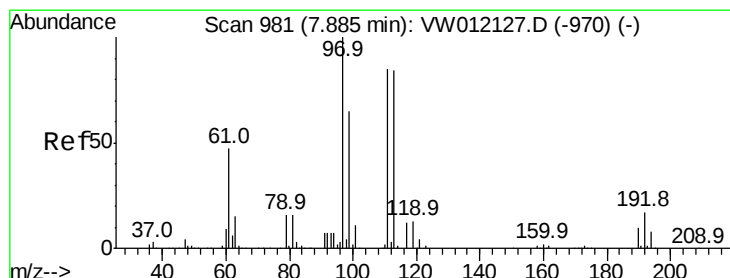
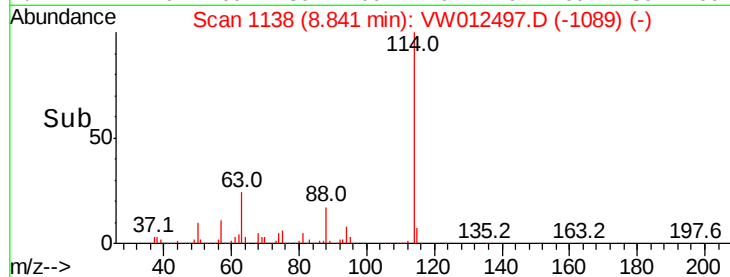
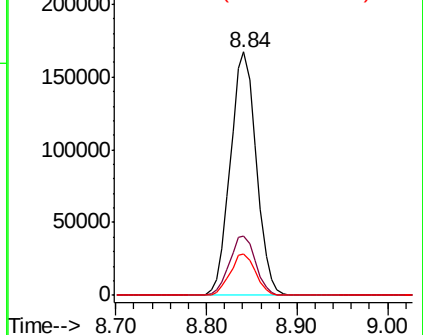
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012497.D
 Acq: 02 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S1-(1.9)

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	48.6
88	17.0	0.0	32.2

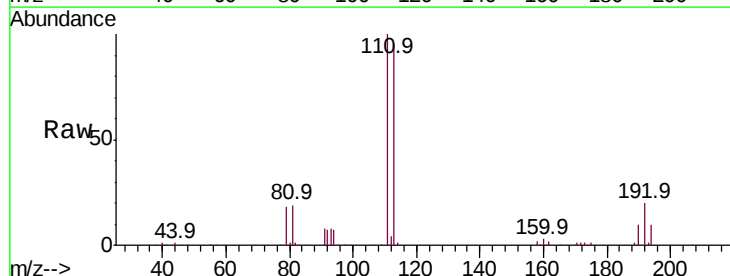


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

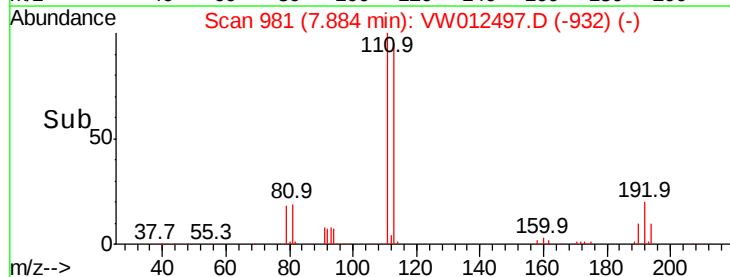
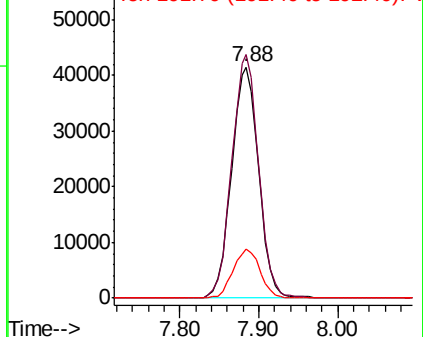


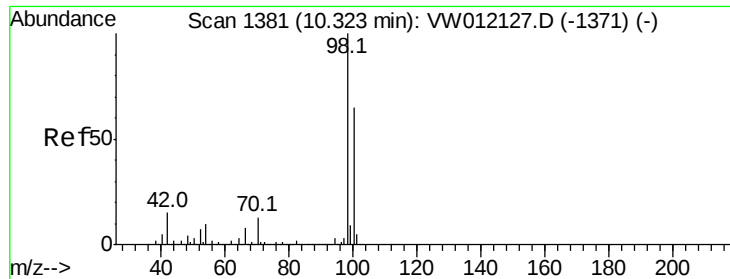
#35
 Dibromofluoromethane
 Concen: 49.913 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012497.D
 Acq: 02 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.7	124.1
192	21.2	16.2	24.2



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





#50

Toluene-d8

Concen: 48.542 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

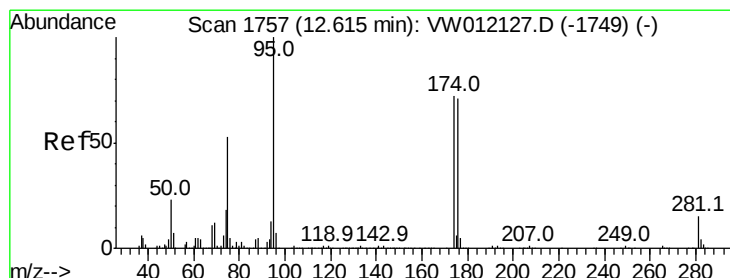
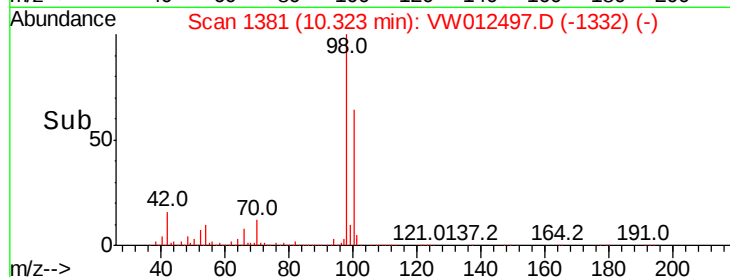
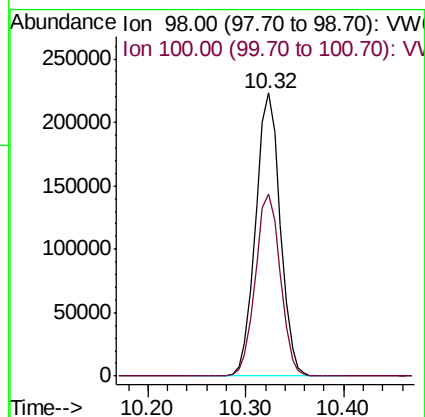
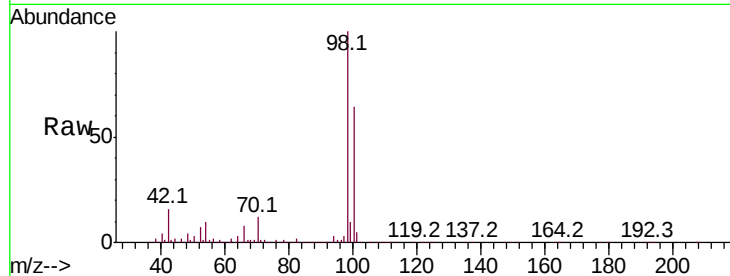
T9-12-13-S1-(1.9)

Tot Ion: 98 Resp: 389619

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 42.159 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

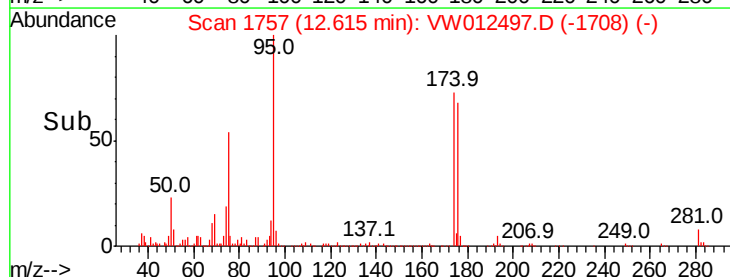
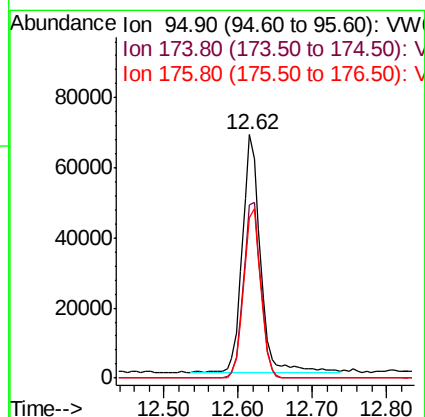
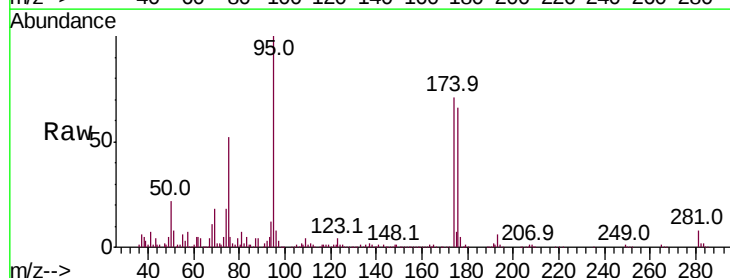
Tgt Ion: 95 Resp: 119280

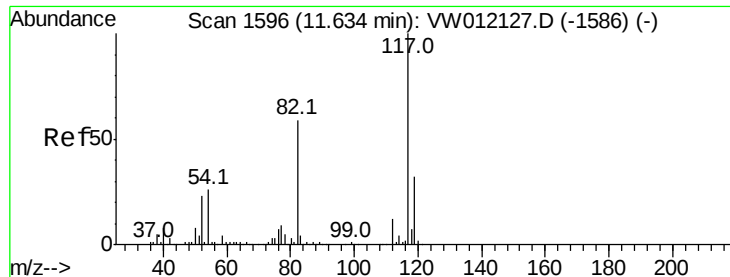
Ion Ratio Lower Upper

95 100

174 68.8 0.0 150.8

176 65.7 0.0 148.6

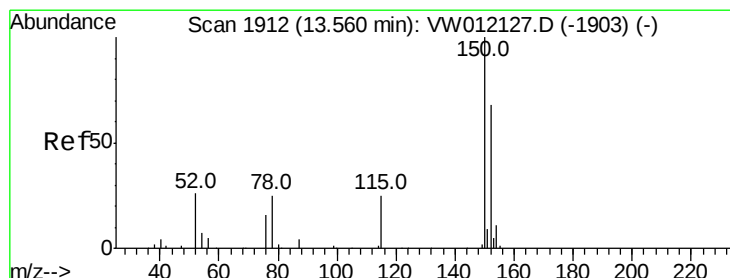
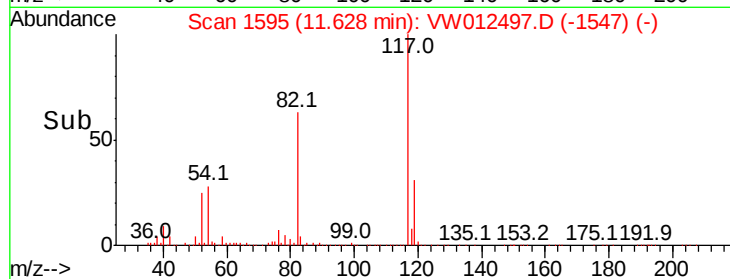
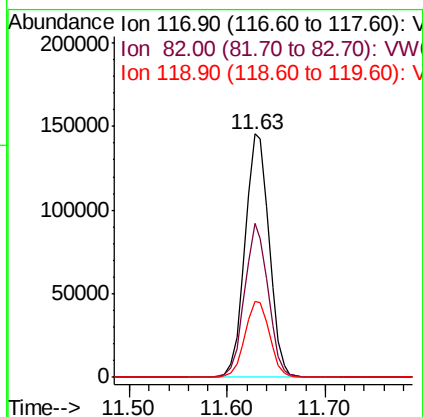
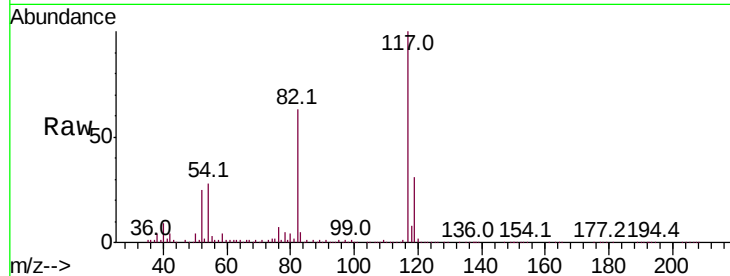




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S1-(1.9)

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	47.4	71.2
119	31.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.1	90.3
150	151.2	0.0	345.8

