

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012627.D
 Acq On : 05 Sep 2019 08:42
 Operator : SY/VA
 Sample : K4547-20
 Misc : 4.40G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T11-1-(2.5)

Quant Time: Sep 05 11:25:43 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

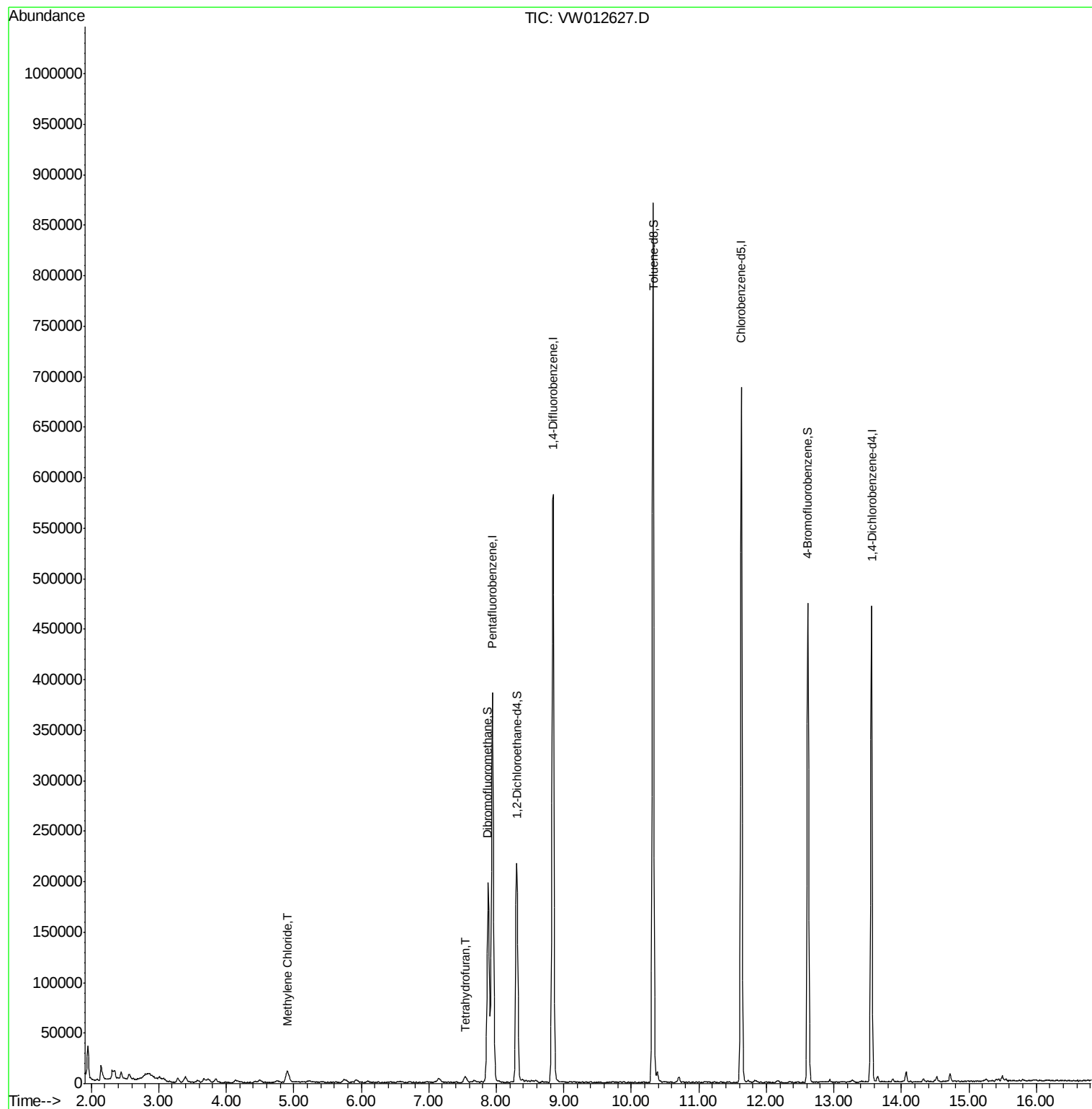
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	459005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121464	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	183748	54.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.04%	
35) Dibromofluoromethane	7.88	113	142099	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
50) Toluene-d8	10.32	98	548010	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.61	95	152018	38.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.64%	
Target Compounds						
20) Methylene Chloride	4.90	84	8222	2.525	ug/l	95
29) Tetrahydrofuran	7.54	42	4324	6.157	ug/l #	93

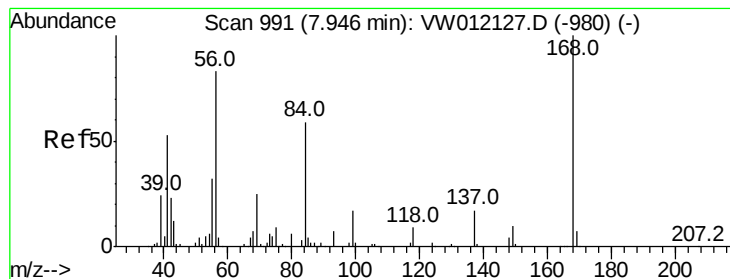
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012627.D

Acq: 05 Sep 2019 08:42

Instrument :

MSVOA_W

ClientSampleId :

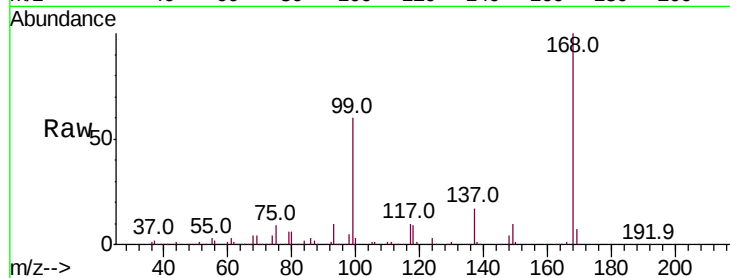
T11-1-(2.5)

Tot Ion:168 Resp: 283488

Ion Ratio Lower Upper

168 100

99 60.4 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

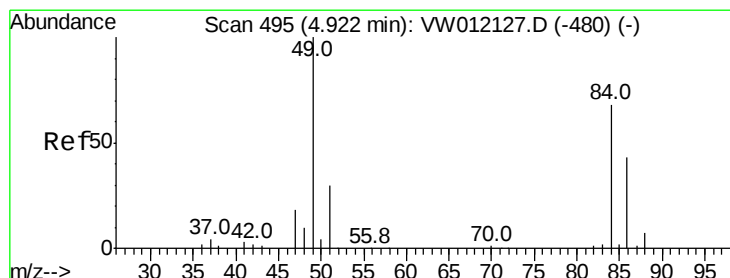
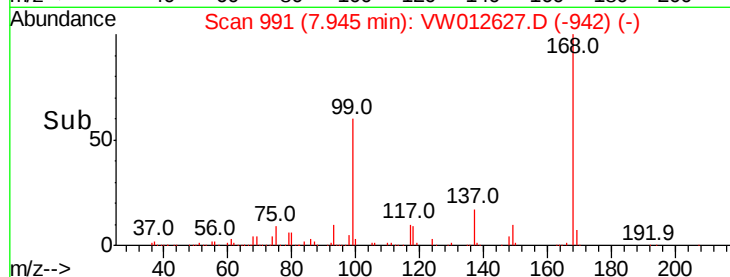
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 2.525 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

Tgt Ion: 84 Resp: 8222

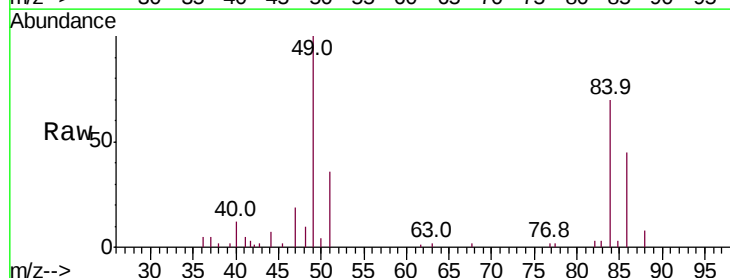
Ion Ratio Lower Upper

84 100

49 141.3 117.8 176.8

51 52.2 35.6 53.4

86 65.1 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

5000

4000

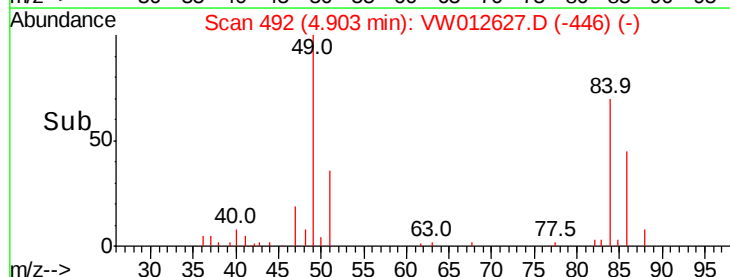
3000

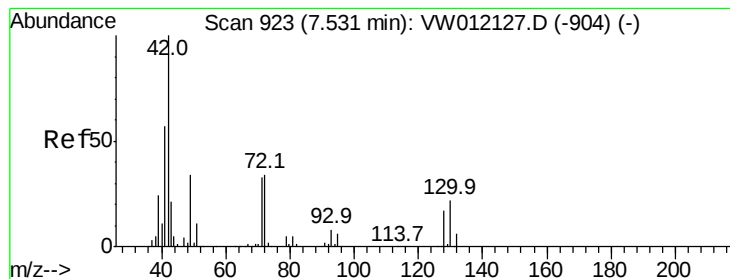
2000

1000

0

Time-->





#29

Tetrahydrofuran

Concen: 6.157 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

Instrument :

MSVOA_W

ClientSampleId :

T11-1-(2.5)

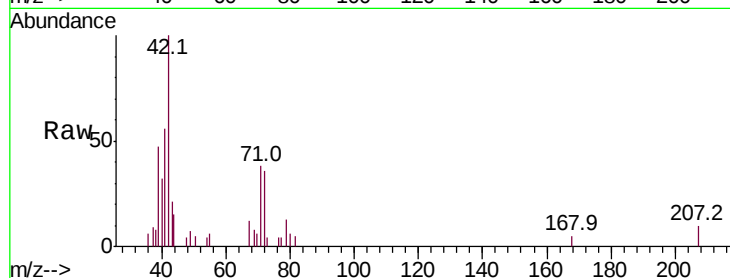
Tot Ion: 42 Resp: 4324

Ion Ratio Lower Upper

42 100

72 32.8 27.3 40.9

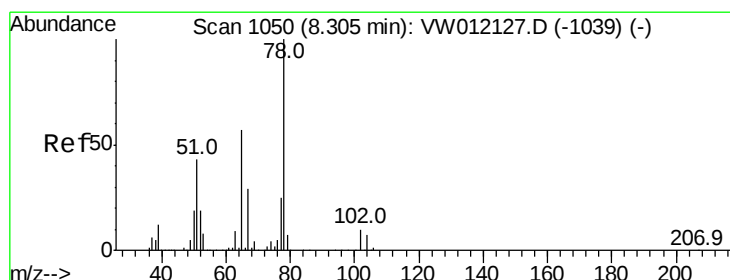
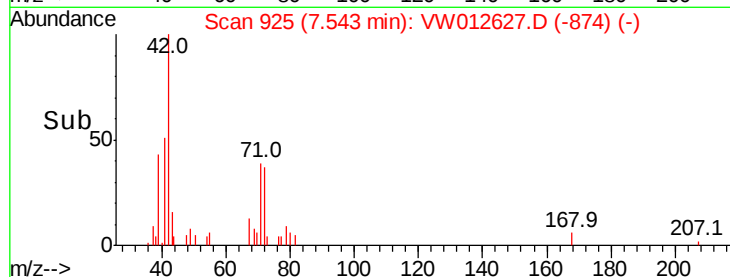
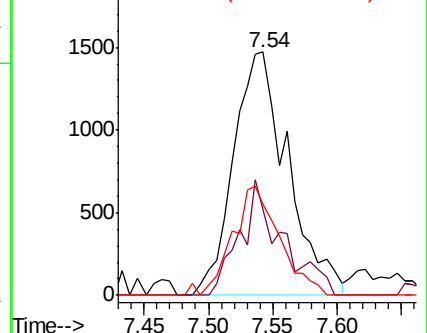
71 38.9 25.5 38.3#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#33

1,2-Dichloroethane-d4

Concen: 54.525 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012627.D

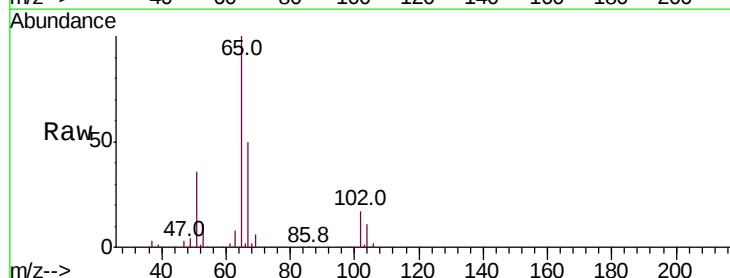
Acq: 05 Sep 2019 08:42

Tgt Ion: 65 Resp: 183748

Ion Ratio Lower Upper

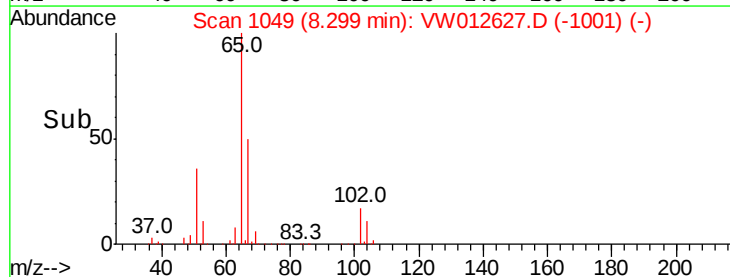
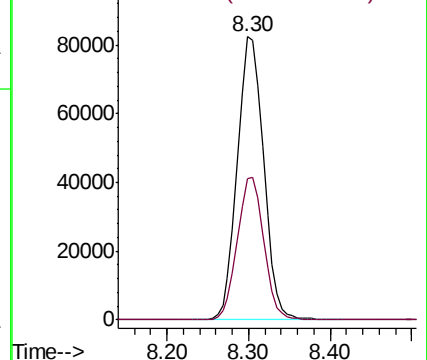
65 100

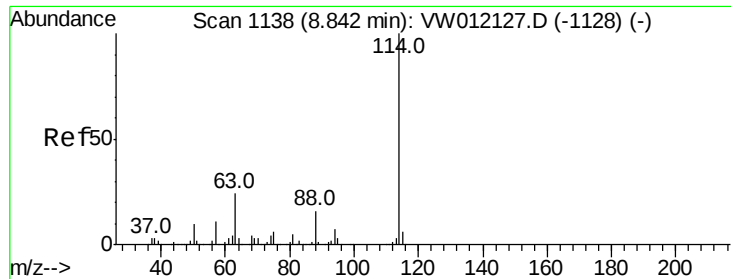
67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

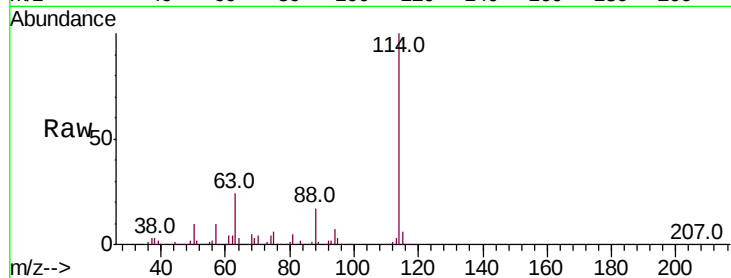




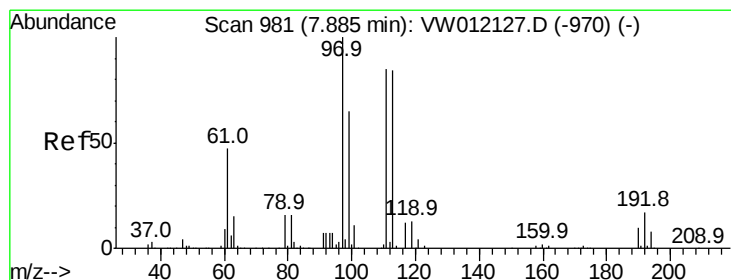
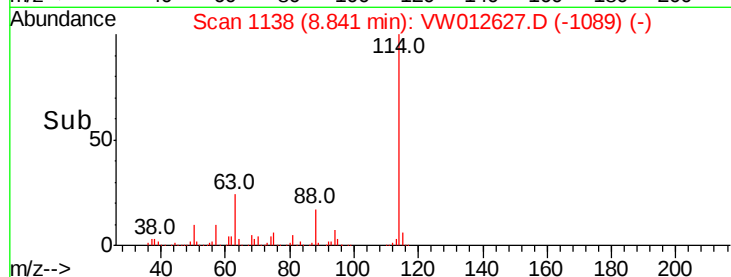
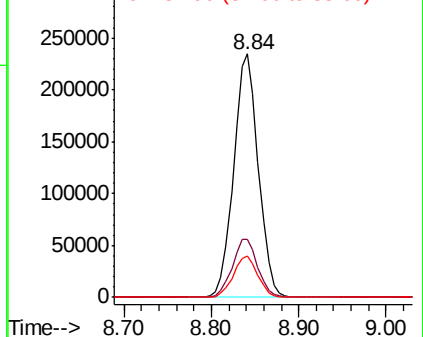
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Instrument :
MSVOA_W
ClientSampleId :
T11-1-(2.5)

Tot Ion:114 Resp: 459005
Ion Ratio Lower Upper
114 100
63 23.9 0.0 48.6
88 16.8 0.0 32.2

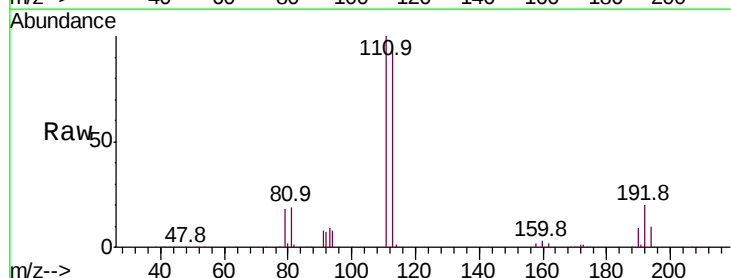


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

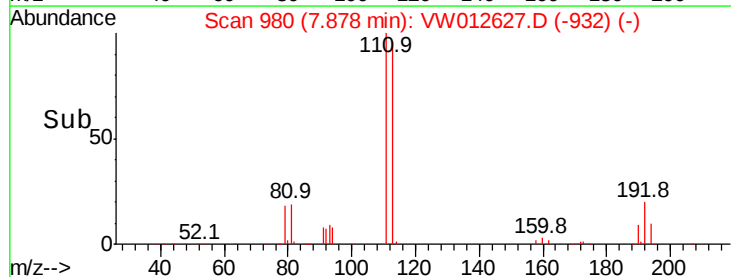
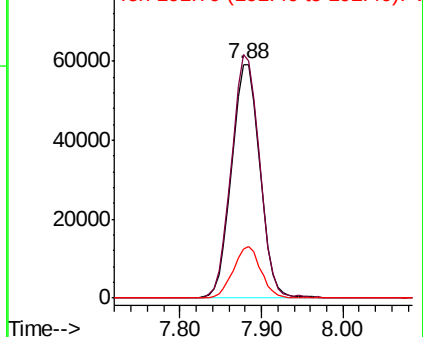


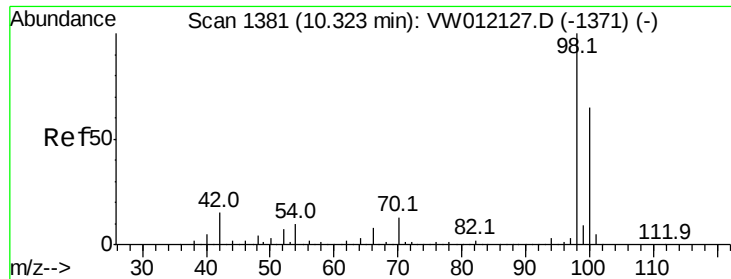
#35
Dibromofluoromethane
Concen: 51.864 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Tgt Ion:113 Resp: 142099
Ion Ratio Lower Upper
113 100
111 103.3 82.7 124.1
192 21.3 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: 49.330 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

Instrument :

MSVOA_W

ClientSampleId :

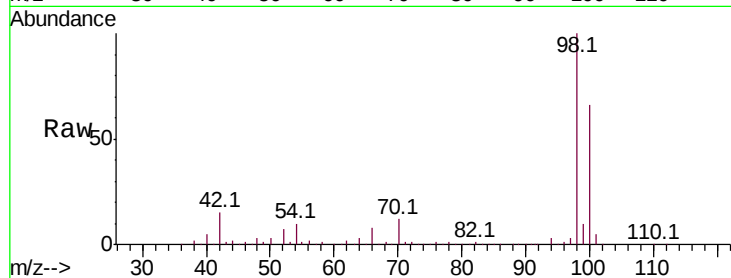
T11-1-(2.5)

Tot Ion: 98 Resp: 548010

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

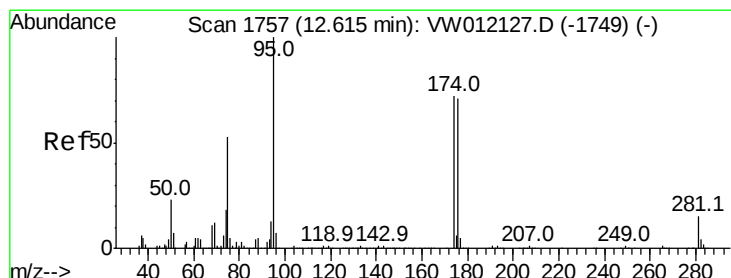
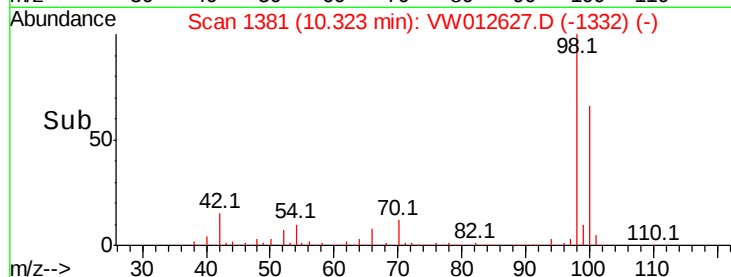
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 38.820 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

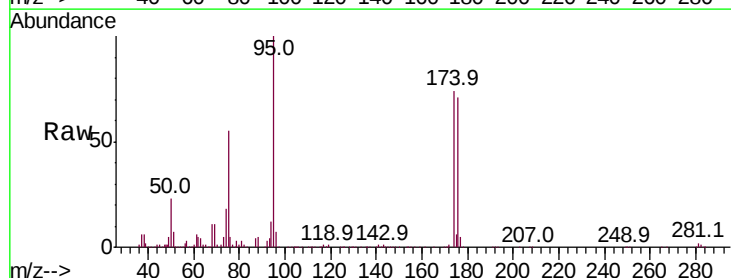
Tgt Ion: 95 Resp: 152018

Ion Ratio Lower Upper

95 100

174 78.3 0.0 150.8

176 76.1 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

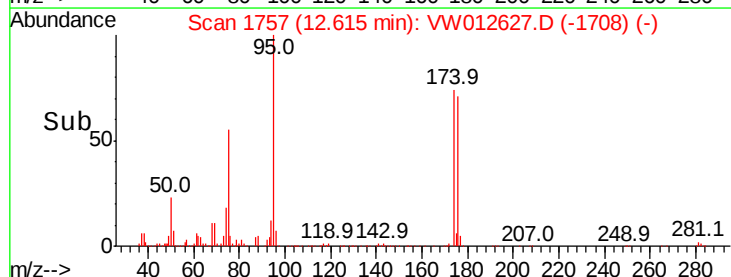
60000

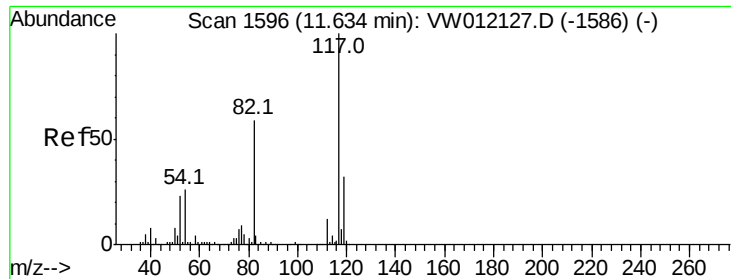
40000

20000

0

Time--> 12.60 12.70

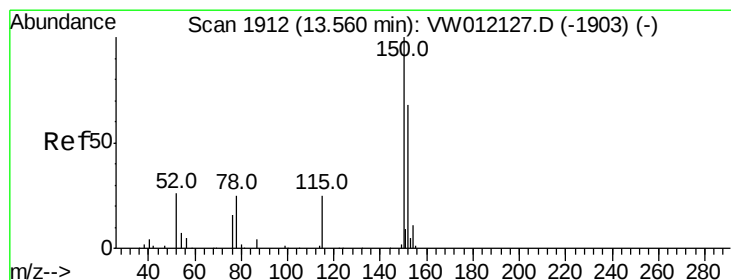
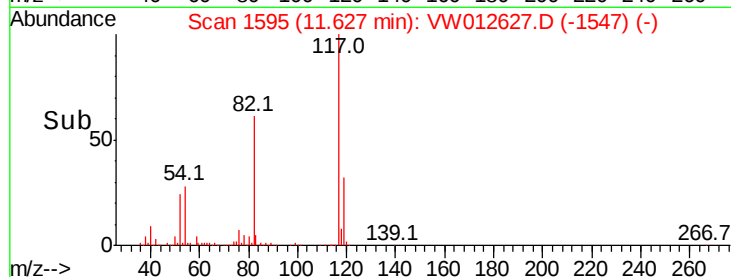
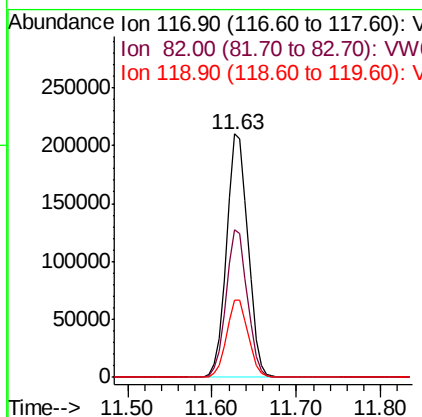
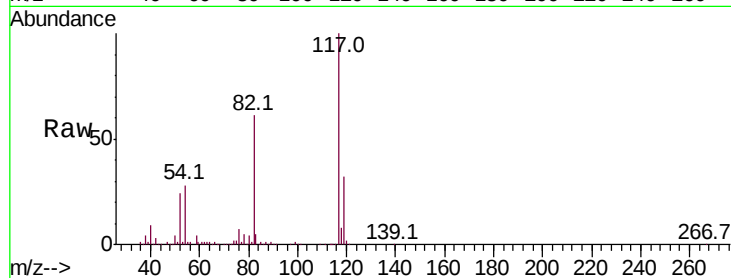




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Instrument :
MSVOA_W
ClientSampleId :
T11-1-(2.5)

Tot Ion:117 Resp: 361397
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
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: VW012627.D
Acq: 05 Sep 2019 08:42

Tgt Ion:152 Resp: 121464
Ion Ratio Lower Upper
152 100
115 59.0 30.1 90.3
150 154.7 0.0 345.8

