

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012348.D
 Acq On : 12 Sep 2019 15:29
 Operator : SY/SP
 Sample : K4694-07
 Misc : 6.36g/5.0mL/MSVOA X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-(1.5)

Quant Time: Sep 13 02:10:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	166464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282662	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	80791	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	111672	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	5.48	113	83636	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
50) Toluene-d8	8.71	98	328915	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.14	95	108425	36.80	ug/l	0.00
Spiked Amount			Recovery	=	73.60%	

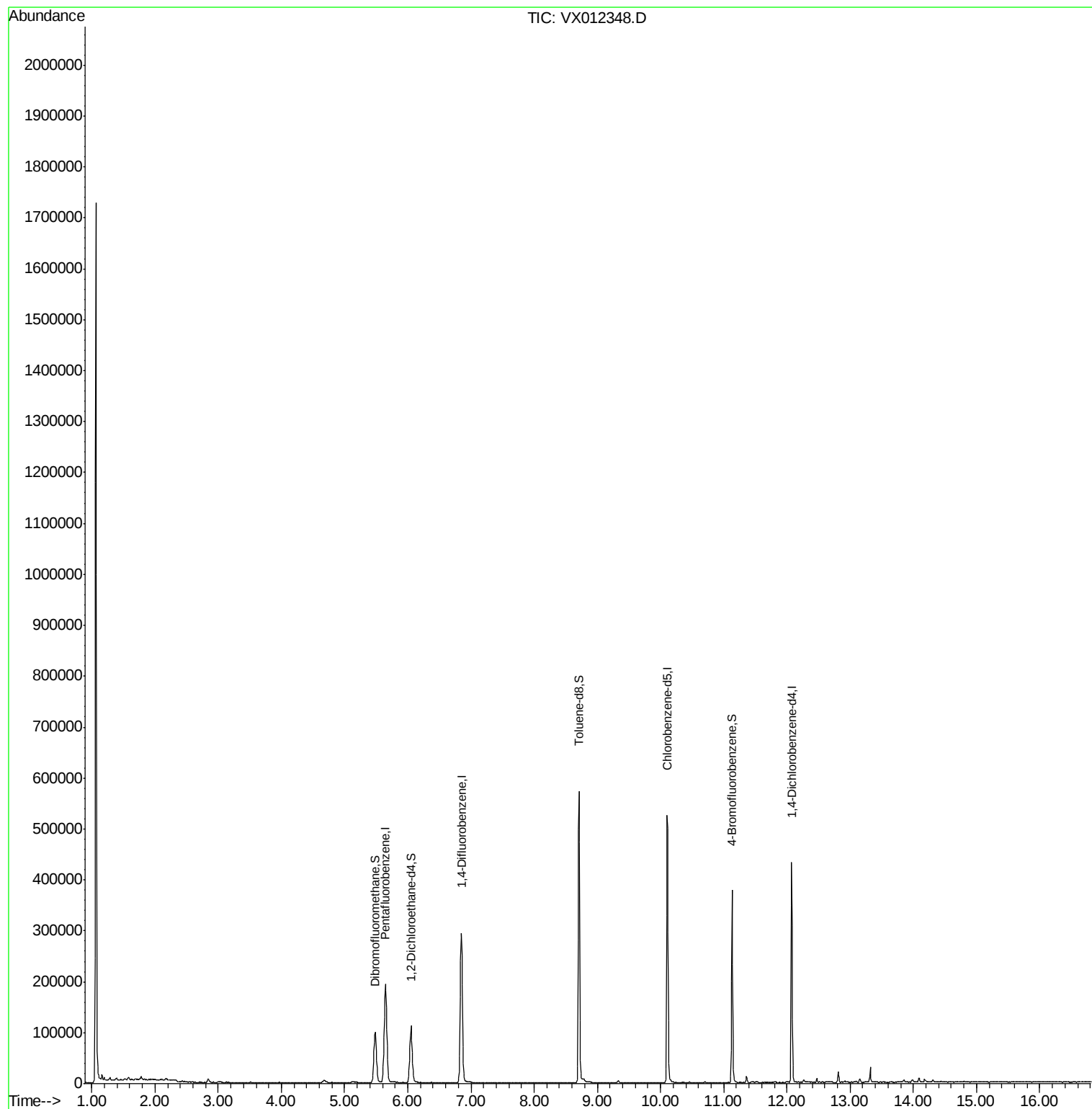
Target Compounds	Qvalue
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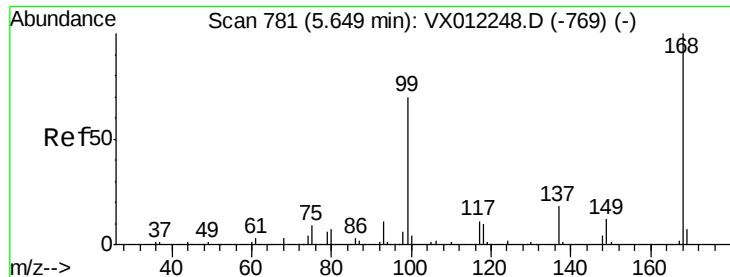
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

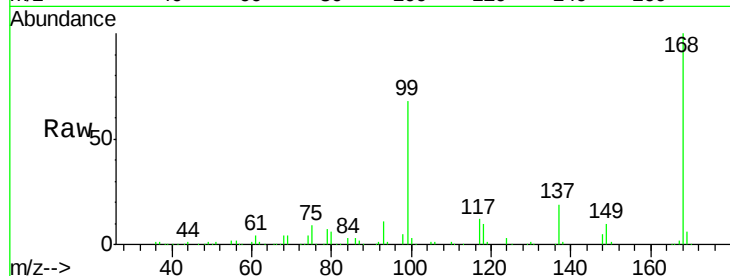
T1-3-(1.5)

Tot Ion:168 Resp: 166464

Ion Ratio Lower Upper

168 100

99 68.3 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

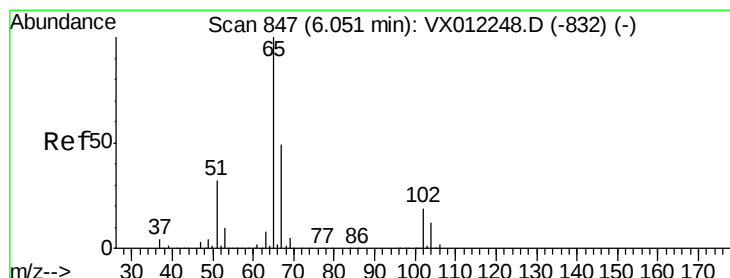
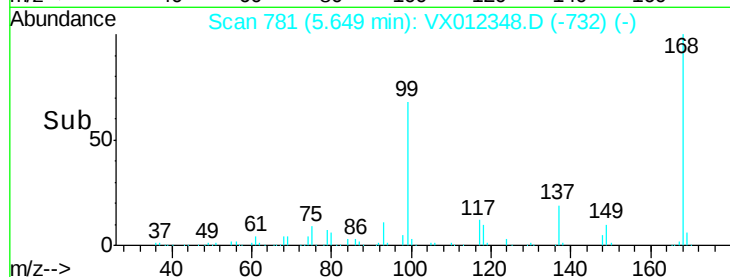
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#33

1,2-Dichloroethane-d4

Concen: 47.450 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012348.D

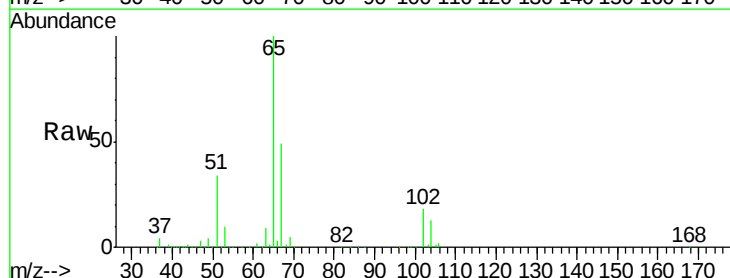
Acq: 12 Sep 2019 15:29

Tgt Ion: 65 Resp: 111672

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

50000

40000

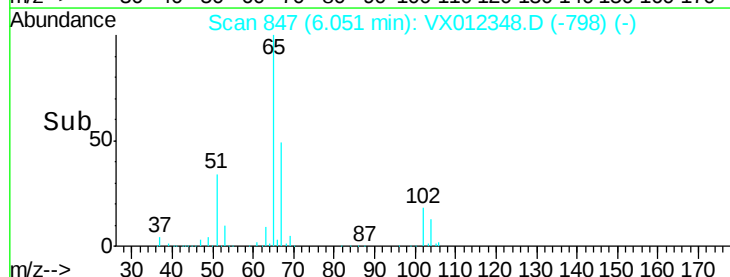
30000

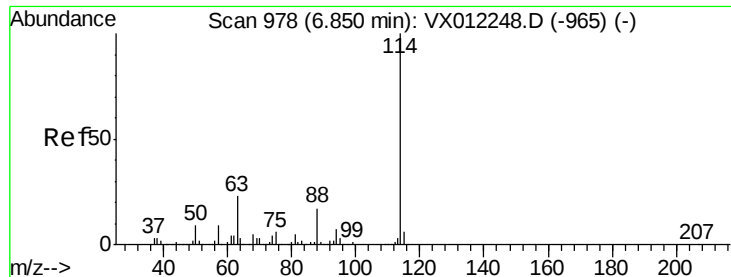
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(1.5)

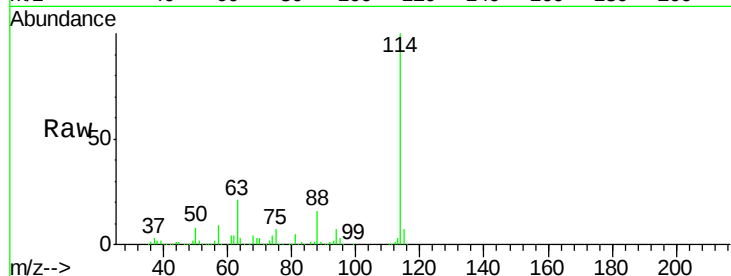
Tot Ion:114 Resp: 282662

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.2

88 16.0 0.0 34.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

150000

100000

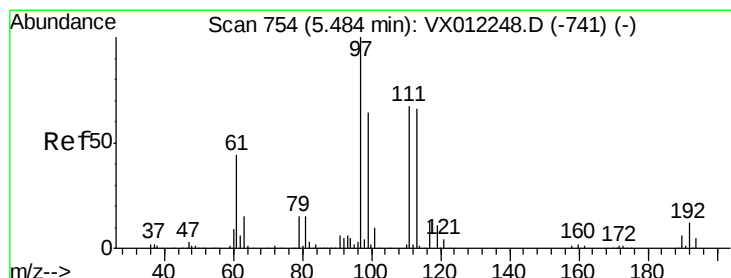
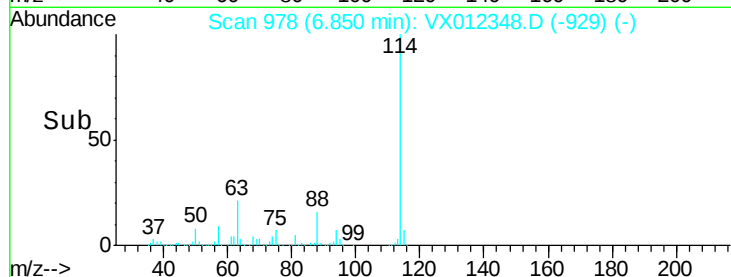
50000

0

6.85

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 46.157 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

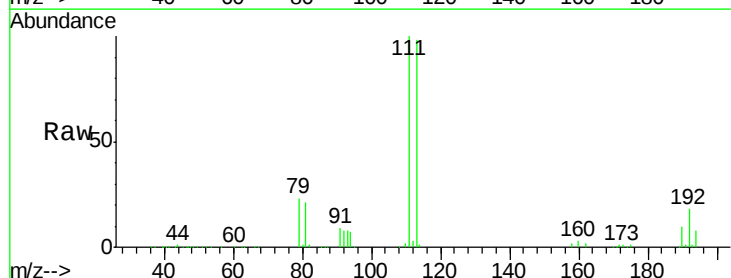
Tgt Ion:113 Resp: 83636

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

192 17.9 14.3 21.5



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

40000

30000

20000

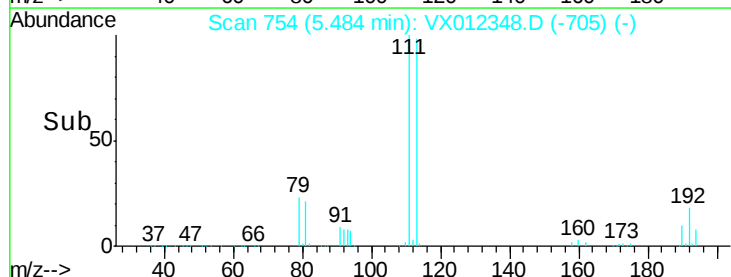
10000

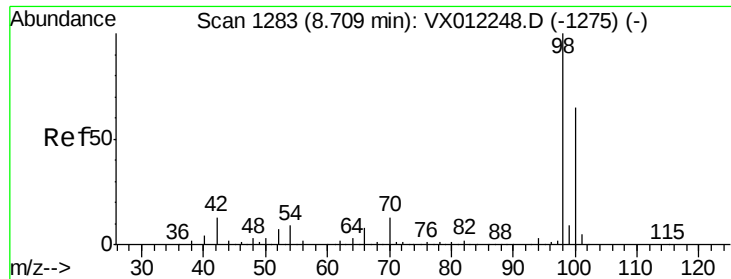
0

5.48

5.40 5.50 5.60

Time-->





#50

Toluene-d8

Concen: 51.755 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

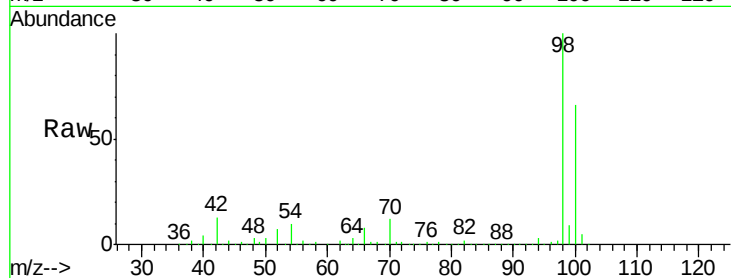
T1-3-(1.5)

Tot Ion: 98 Resp: 328915

Ion Ratio Lower Upper

98 100

100 66.9 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

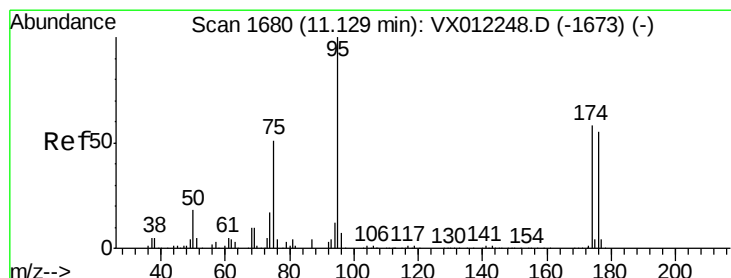
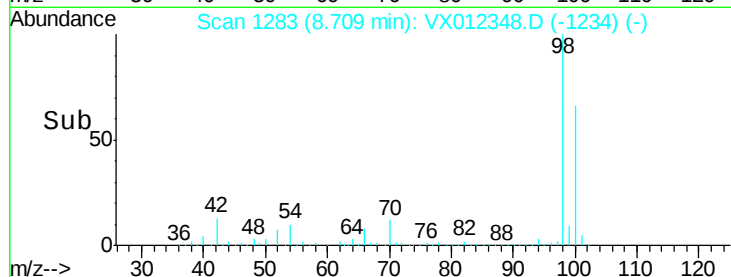
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 36.800 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

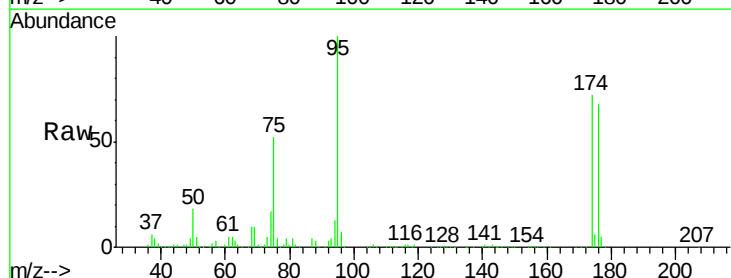
Tgt Ion: 95 Resp: 108425

Ion Ratio Lower Upper

95 100

174 68.6 0.0 127.0

176 65.0 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

100000

80000

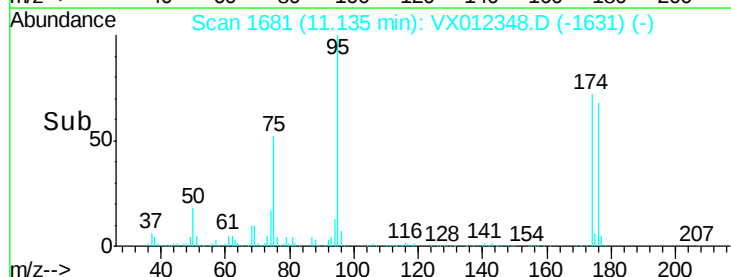
60000

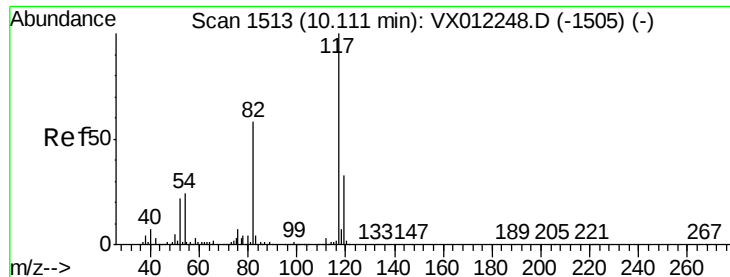
40000

20000

0

Time-->

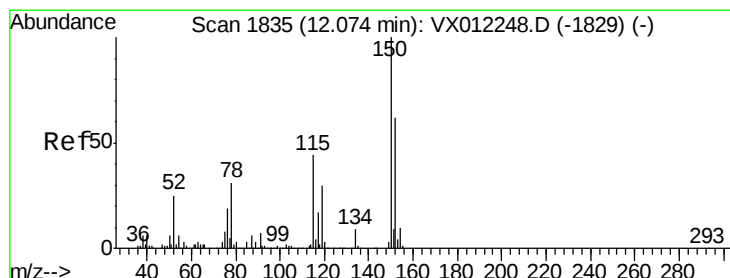
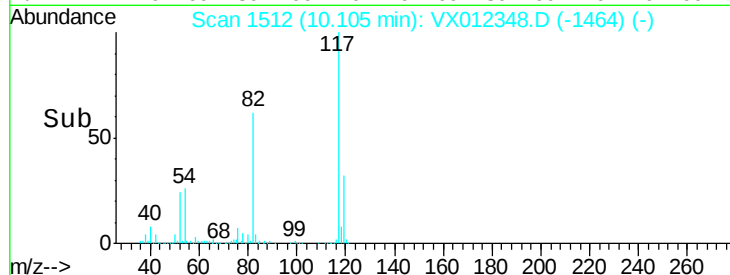
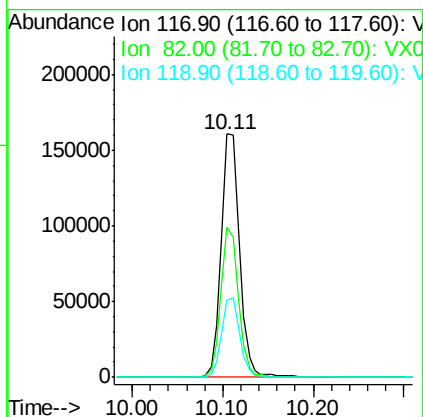
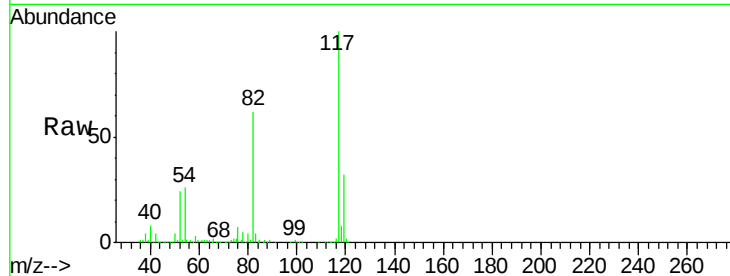




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012348.D
Acq: 12 Sep 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
T1-3-(1.5)

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.4	69.6
119	31.9	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012348.D
Acq: 12 Sep 2019 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	45.5	136.4
150	156.5	0.0	346.4

