

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005505.D
 Acq On : 23 Oct 2018 07:40
 Operator : JC/MD
 Sample : J5603-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GT106

Quant Time: Oct 23 13:21:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	221626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135349	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	142777	58.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.10%	
35) Dibromofluoromethane	5.51	113	111981	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	8.72	98	386385	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.14	95	124690	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	

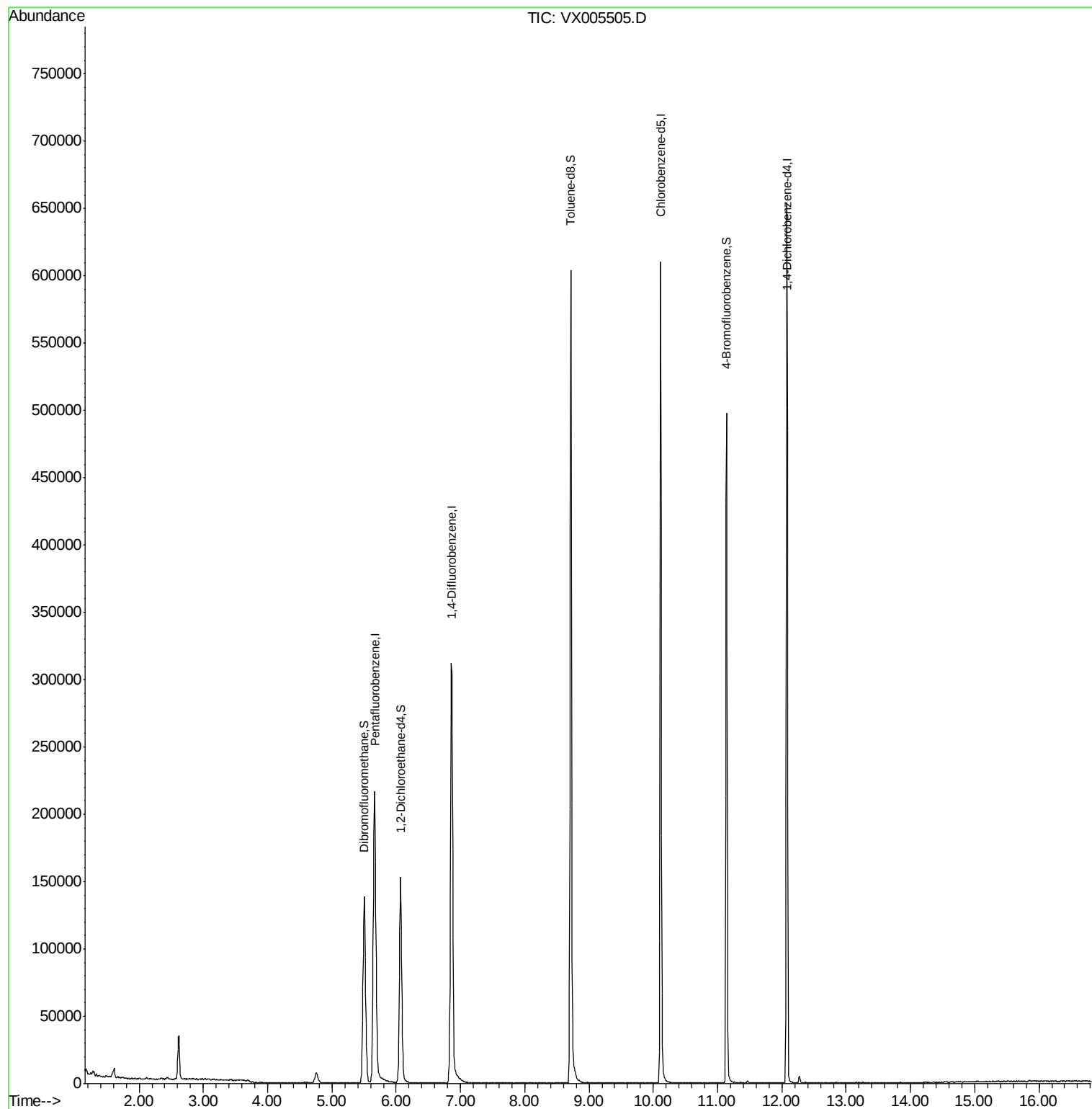
Target Compounds	Qvalue

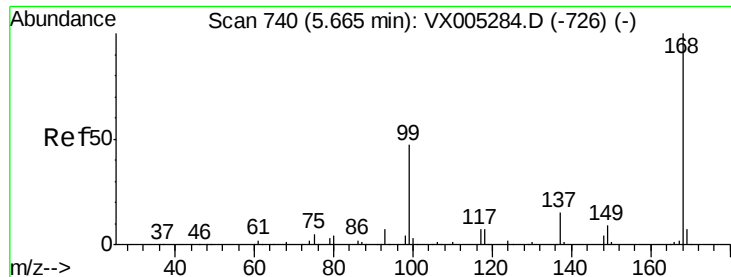
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005505.D

Acq: 23 Oct 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

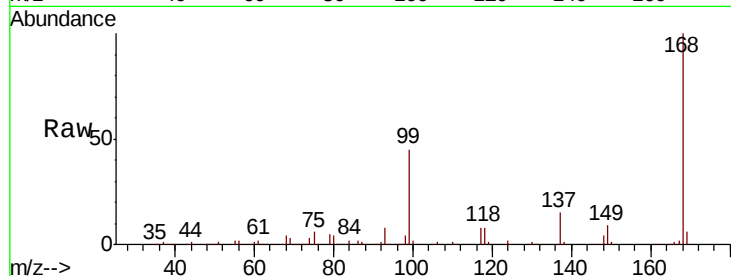
RAV-GT106

Tot Ion:168 Resp: 221626

Ion Ratio Lower Upper

168 100

99 45.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

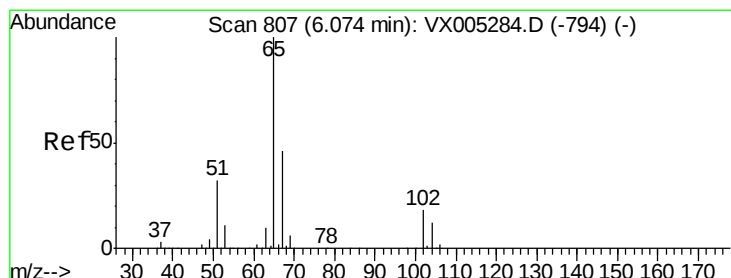
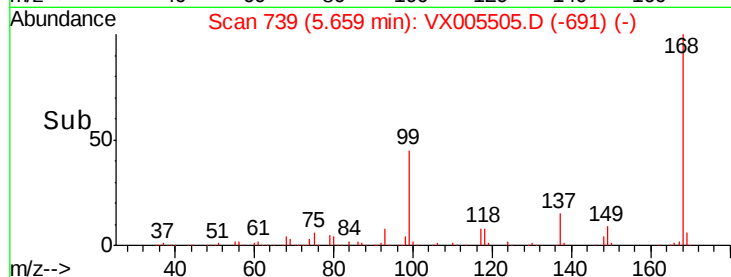
40000

20000

0

Time-->

5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 58.046 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005505.D

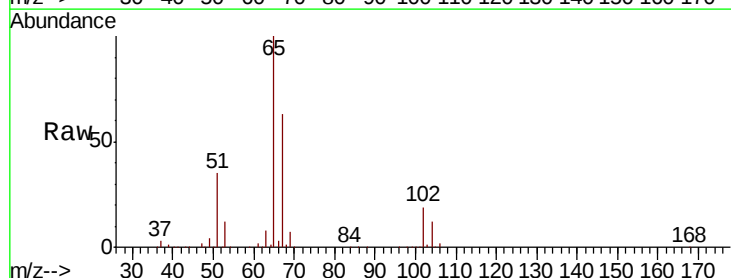
Acq: 23 Oct 2018 07:40

Tgt Ion: 65 Resp: 142777

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

50000

40000

30000

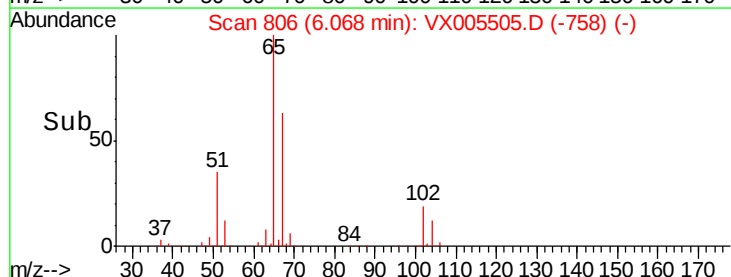
20000

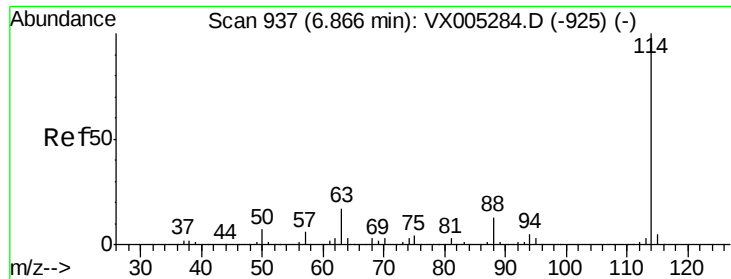
10000

0

Time-->

5.90 6.00 6.10 6.20

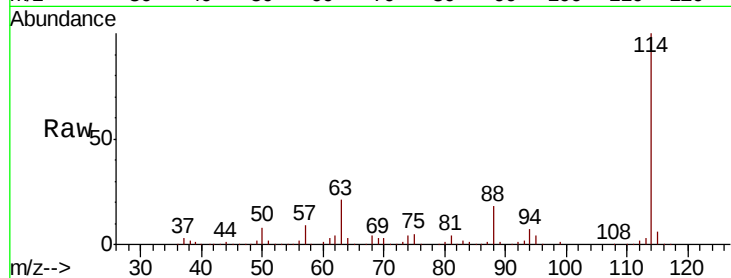




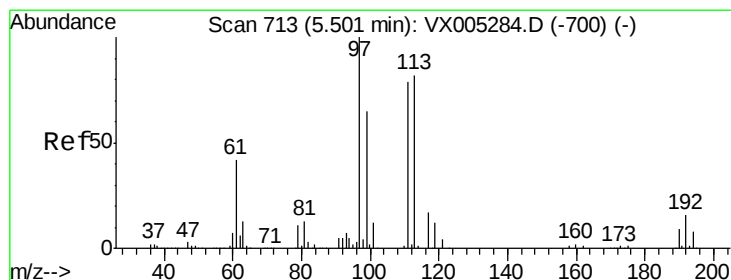
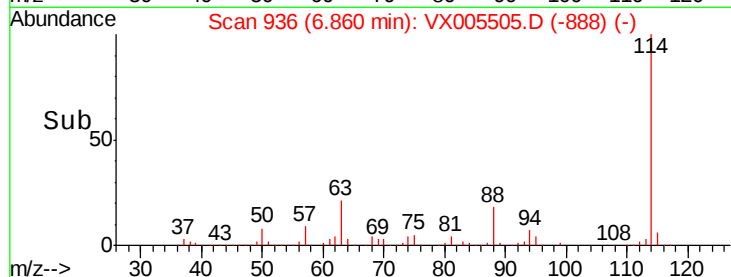
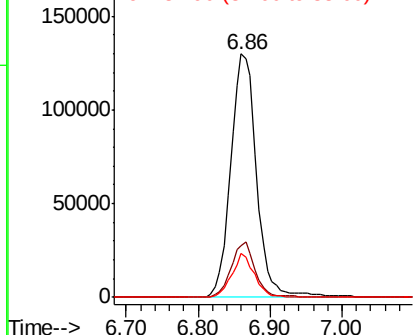
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005505.D
 Acq: 23 Oct 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GT106

Tot Ion:114 Resp: 323858
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 39.0
 88 18.2 0.0 30.4

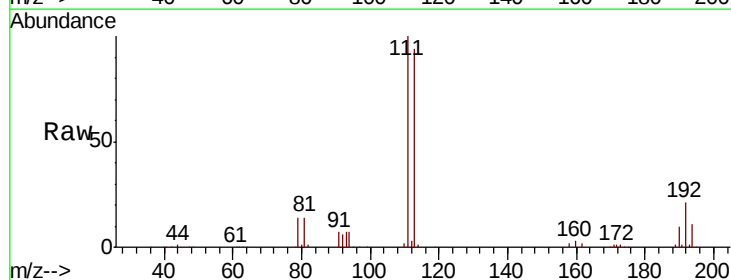


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

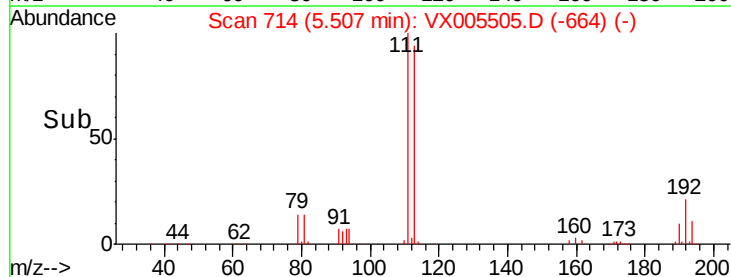
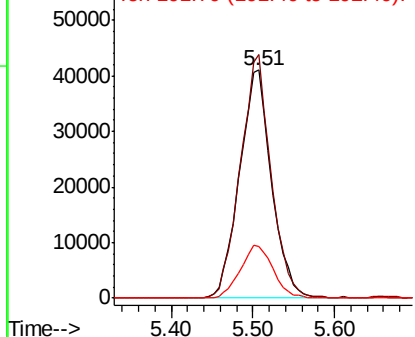


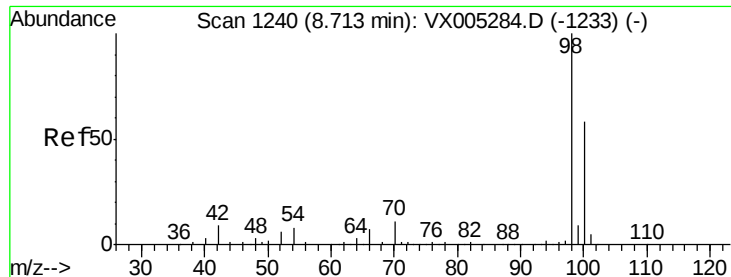
#35
 Dibromofluoromethane
 Concen: 52.206 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005505.D
 Acq: 23 Oct 2018 07:40

Tgt Ion:113 Resp: 111981
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 23.6 19.4 29.2



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: 52.470 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005505.D

Acq: 23 Oct 2018 07:40

Instrument :

MSVOA_X

ClientSampled :

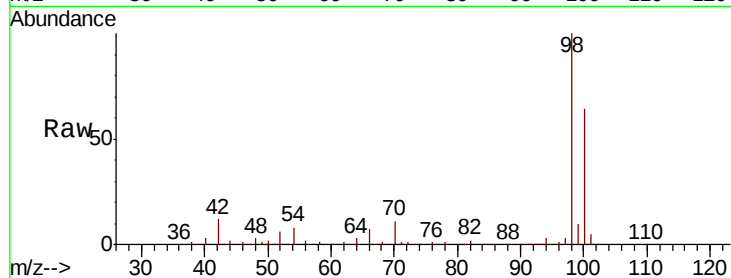
RAV-GT106

Tot Ion: 98 Resp: 386385

Ion Ratio Lower Upper

98 100

100 63.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

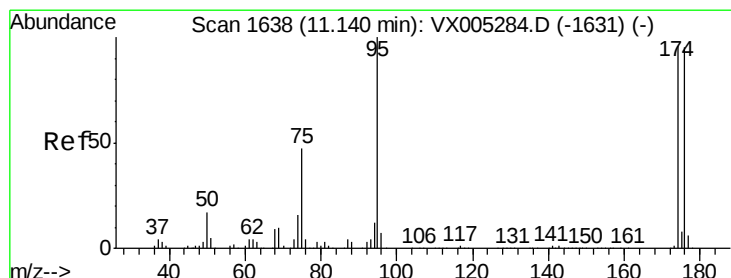
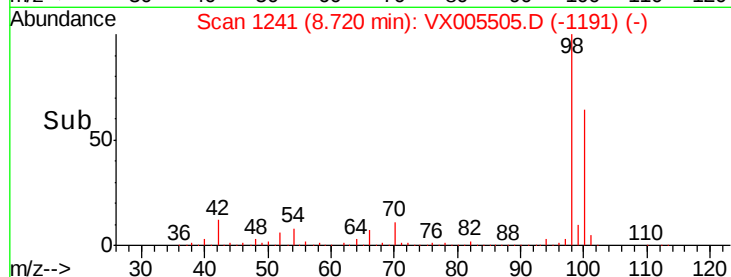
50000

0

8.60 8.70 8.80 8.90 9.00

8.72

Time-->



#62

4-Bromofluorobenzene

Concen: 45.074 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005505.D

Acq: 23 Oct 2018 07:40

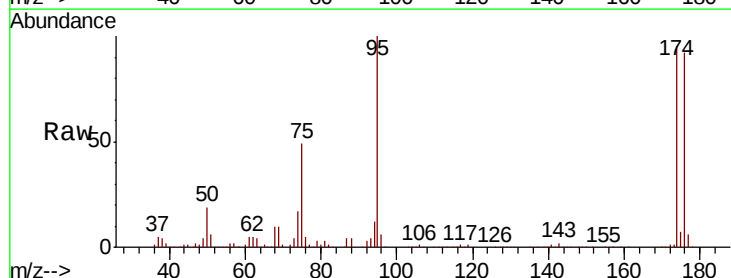
Tgt Ion: 95 Resp: 124690

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

176 89.7 0.0 178.6



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

120000

100000

80000

60000

40000

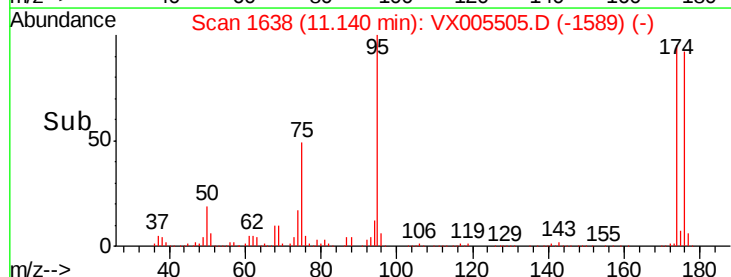
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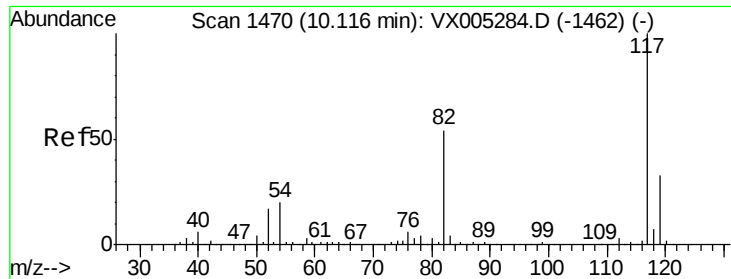
0

11.10 11.20

11.14

Time-->

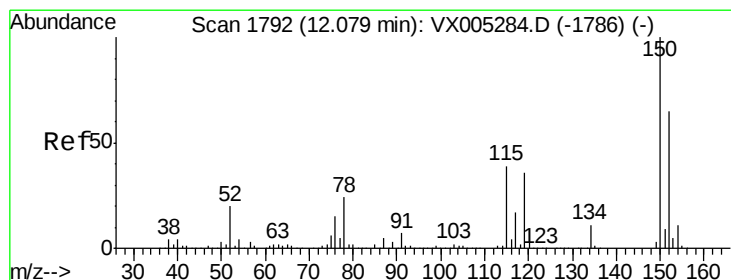
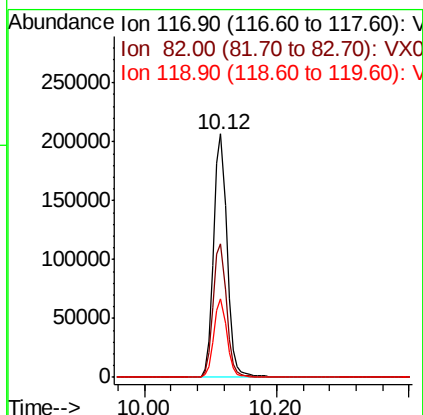
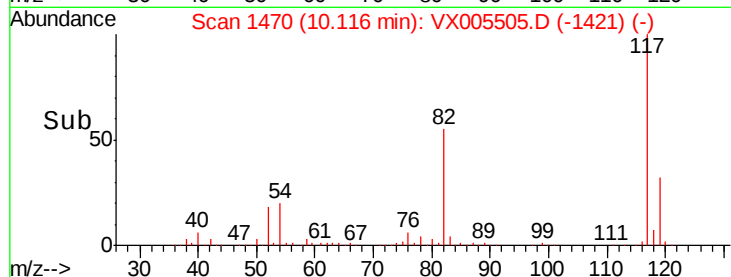
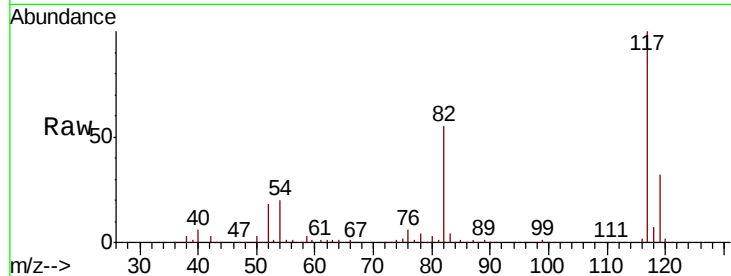




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005505.D
Acq: 23 Oct 2018 07:40

Instrument :
MSVOA_X
ClientSampled :
RAV-GT106

Tot Ion:117 Resp: 287623
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.6
119 32.2 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005505.D
Acq: 23 Oct 2018 07:40

Tgt Ion:152 Resp: 135349
Ion Ratio Lower Upper
152 100
115 55.3 39.0 117.0
150 157.3 0.0 351.0

