

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\  
 Data File : VX010127.D  
 Acq On : 07 Jun 2019 22:31  
 Operator : JC/SP  
 Sample : K3221-08 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW314S-20190605

Quant Time: Jun 08 04:10:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 293644   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 448624   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 404838   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 196550   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 134715   | 47.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.00%  |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 137538   | 49.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.40%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 526441   | 50.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.52% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 186316   | 48.10 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.20%  |      |

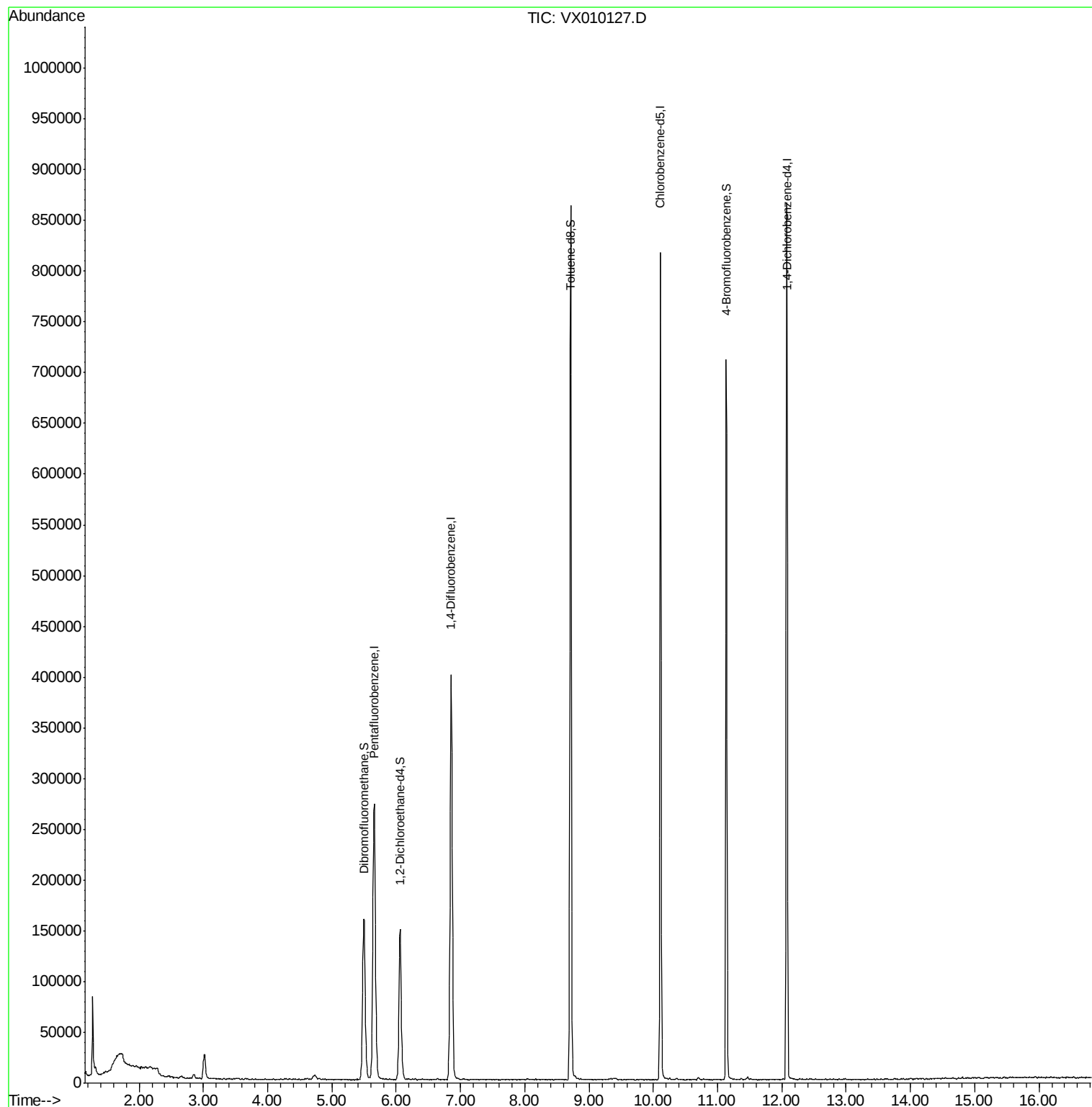
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 08 02:12:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010127.D

Acq: 07 Jun 2019 22:31

Instrument :

MSVOA\_X

ClientSampleId :

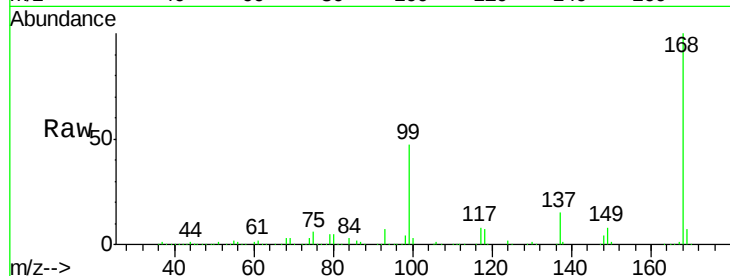
BPS1-TT-MW314S-20190605

Tot Ion:168 Resp: 293644

Ion Ratio Lower Upper

168 100

99 47.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

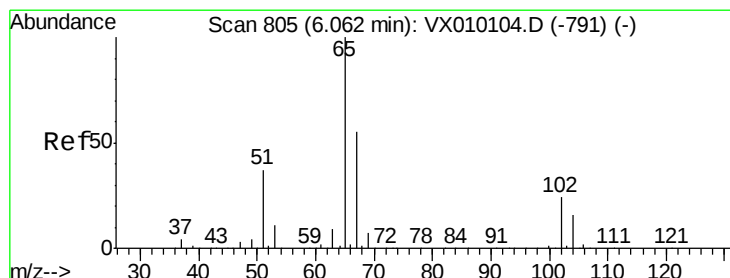
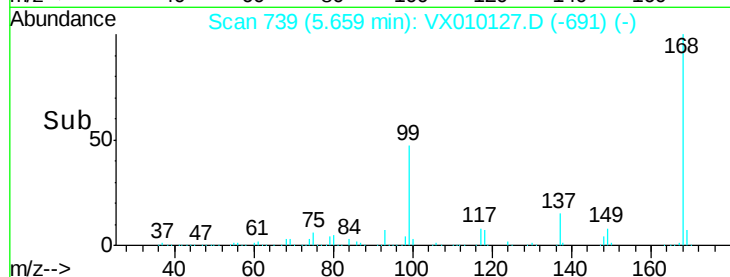
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.000 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010127.D

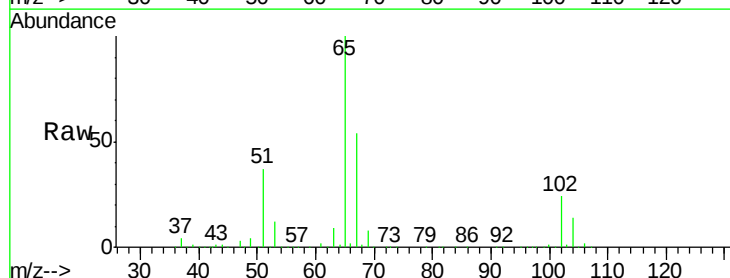
Acq: 07 Jun 2019 22:31

Tgt Ion: 65 Resp: 134715

Ion Ratio Lower Upper

65 100

67 54.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

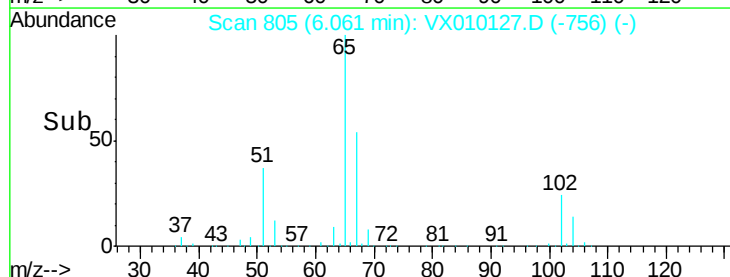
30000

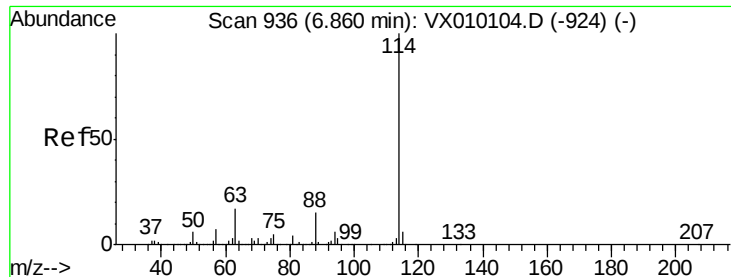
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010127.D

Acq: 07 Jun 2019 22:31

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW314S-20190605

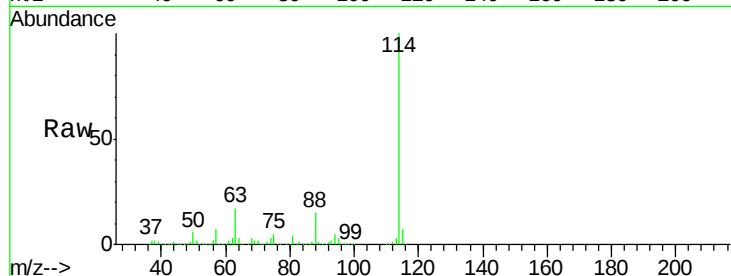
Tot Ion:114 Resp: 448624

Ion Ratio Lower Upper

114 100

63 17.3 0.0 47.4

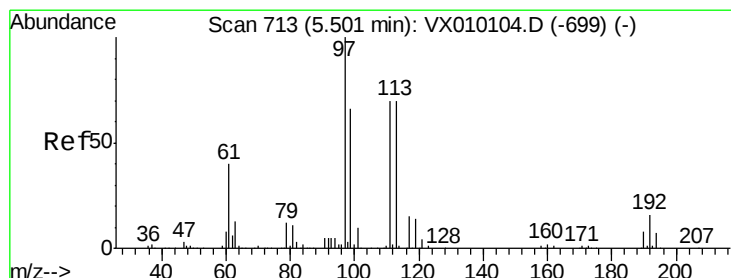
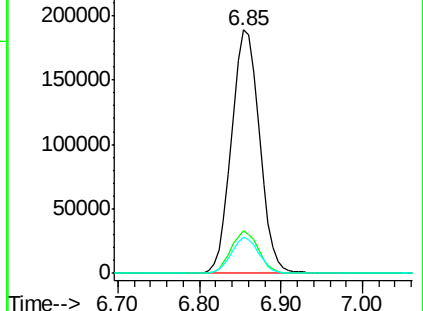
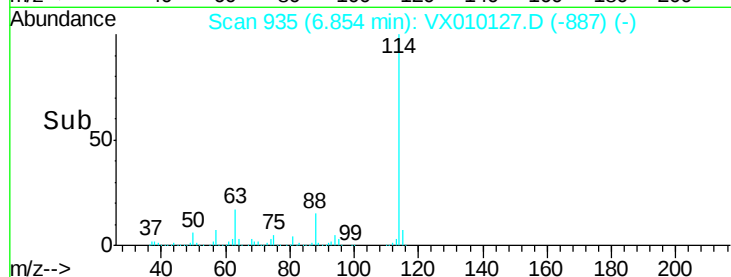
88 14.9 0.0 33.0



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: 49.703 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010127.D

Acq: 07 Jun 2019 22:31

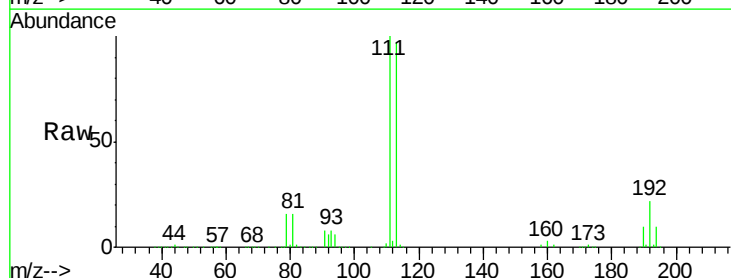
Tgt Ion:113 Resp: 137538

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

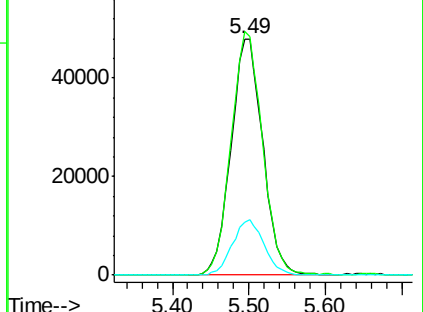
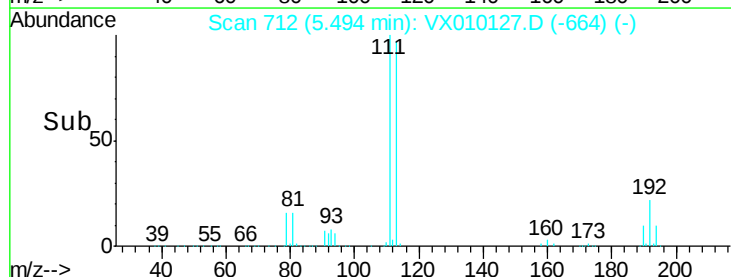
192 23.5 17.1 25.7

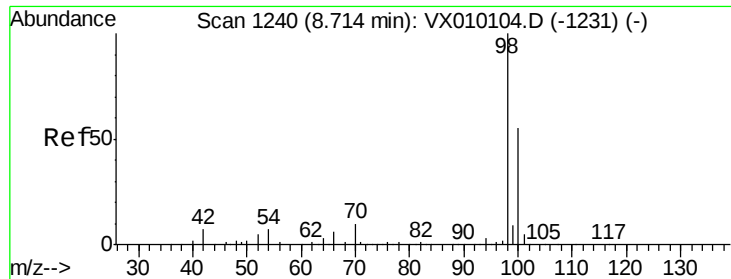


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.760 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010127.D

Acq: 07 Jun 2019 22:31

Instrument :

MSVOA\_X

ClientSampleId :

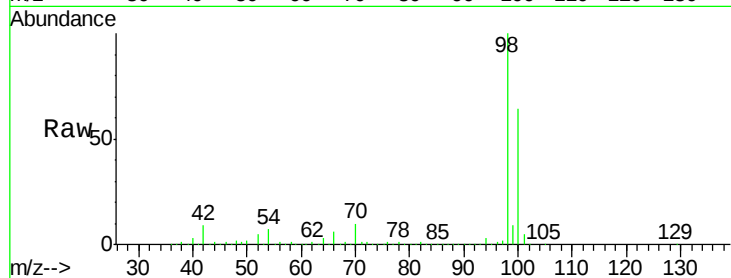
BPS1-TT-MW314S-20190605

Tot Ion: 98 Resp: 526441

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

400000

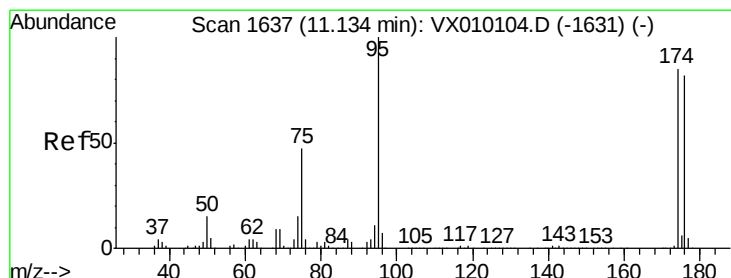
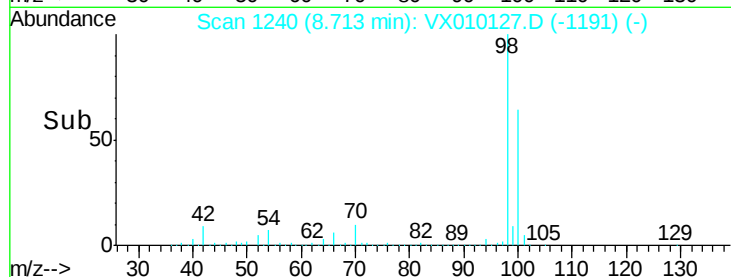
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.104 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010127.D

Acq: 07 Jun 2019 22:31

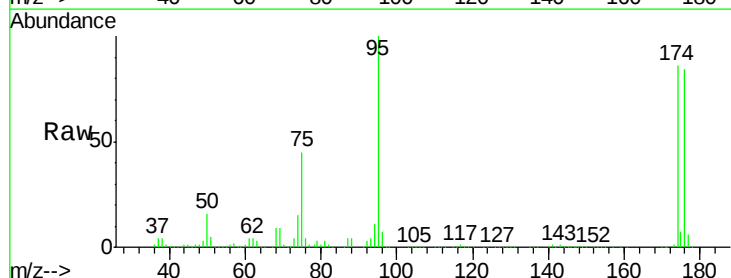
Tgt Ion: 95 Resp: 186316

Ion Ratio Lower Upper

95 100

174 90.7 0.0 160.4

176 89.3 0.0 154.6



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

11.13

200000

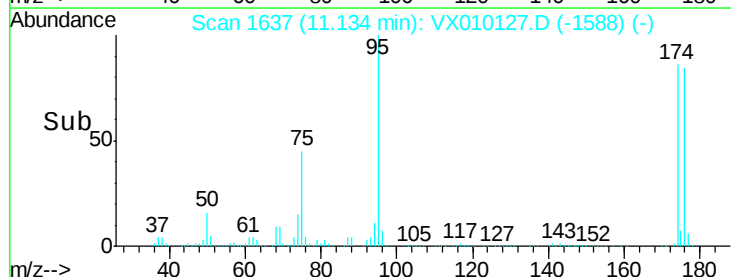
150000

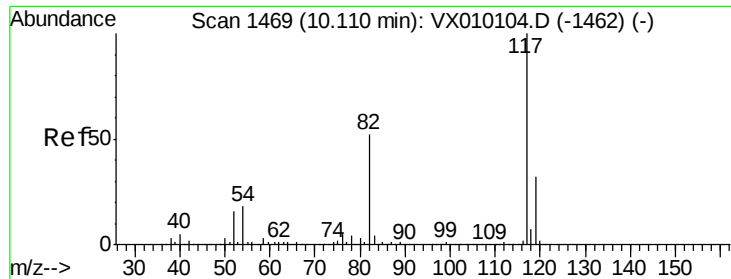
100000

50000

0

Time-->

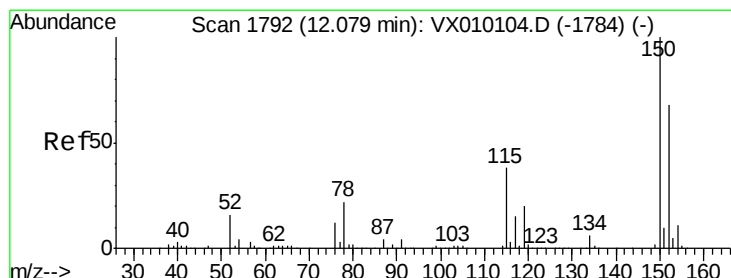
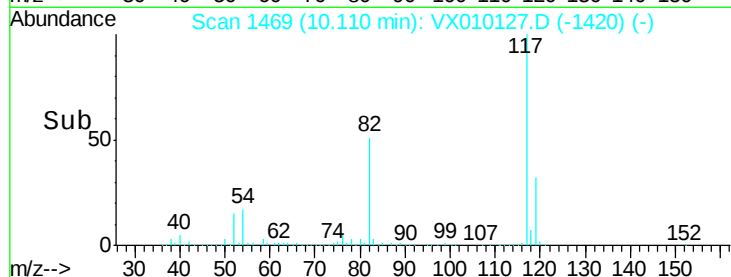
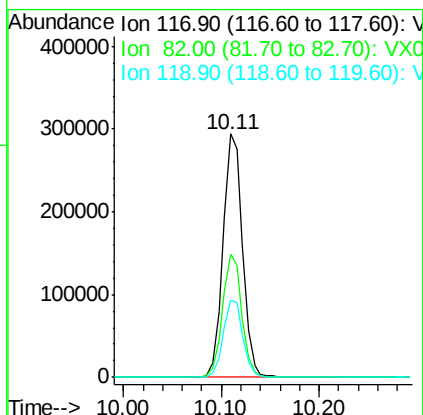
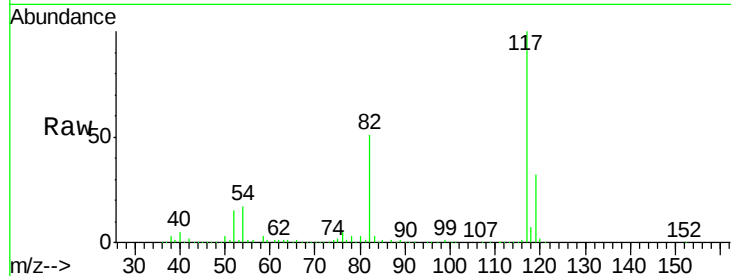




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010127.D  
Acq: 07 Jun 2019 22:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW314S-20190605

Tot Ion:117 Resp: 404838  
Ion Ratio Lower Upper  
117 100  
82 50.8 49.2 73.8  
119 31.6 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX010127.D  
Acq: 07 Jun 2019 22:31

Tgt Ion:152 Resp: 196550  
Ion Ratio Lower Upper  
152 100  
115 55.1 41.4 124.2  
150 156.0 0.0 345.2

