

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX051119\  
 Data File : VX009514.D  
 Acq On : 11 May 2019 10:48  
 Operator : JC/SP  
 Sample : VX0511MBL01  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0511MBL01

Quant Time: May 12 02:10:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 196157   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 311347   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 266275   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 113476   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 127634   | 47.66 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.32% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 94024    | 48.04 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.08% |      |
| 50) Toluene-d8              | 8.71   | 98  | 383786   | 48.57 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.14% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 124628   | 43.41 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.82% |      |

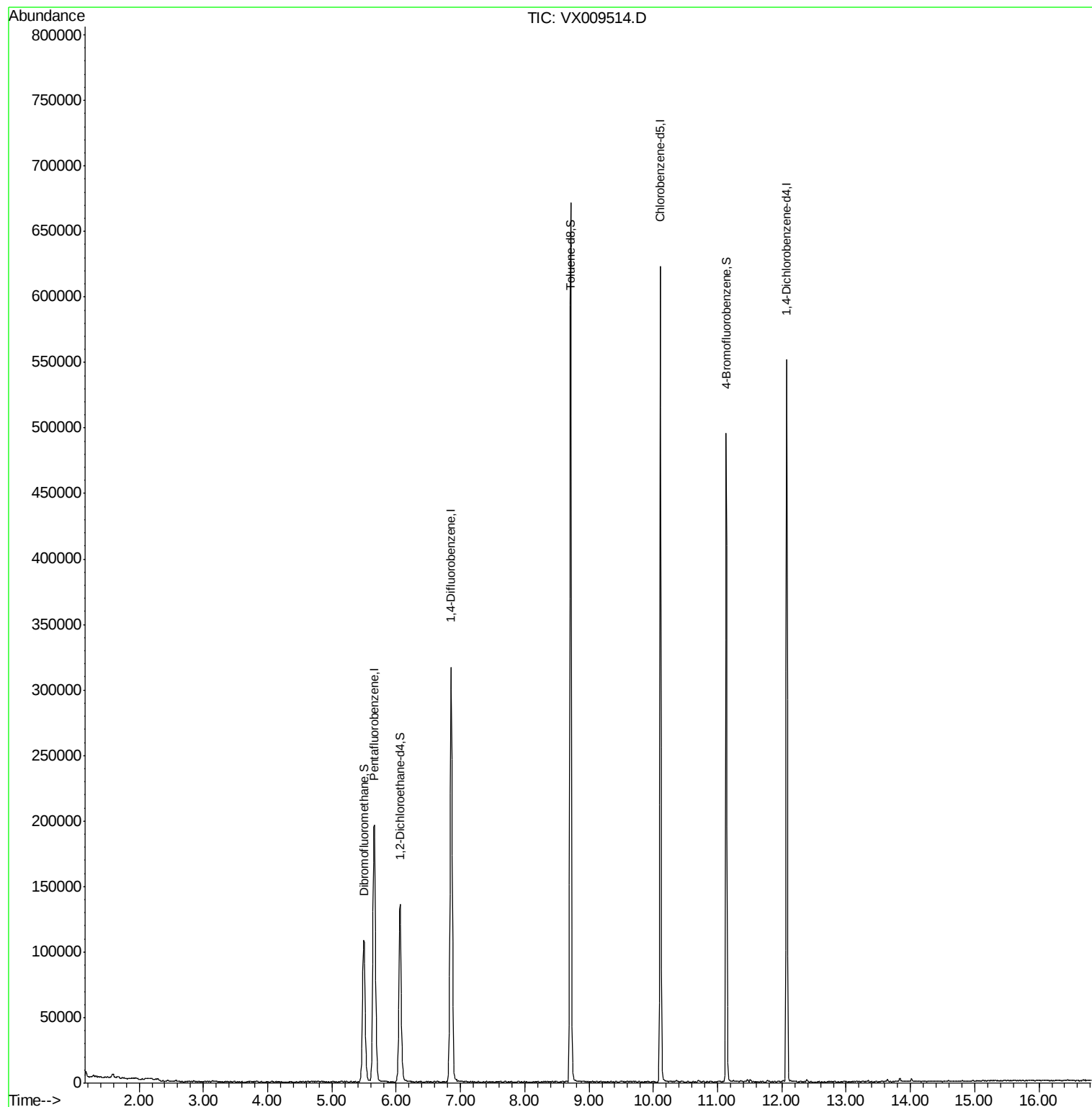
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

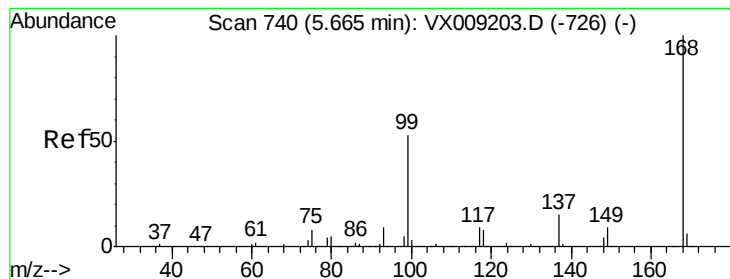
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX051119\  
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Sample : VX0511MBL01  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0511MBL01

Quant Time: May 12 02:10:03 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 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: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA\_X

ClientSampleId :

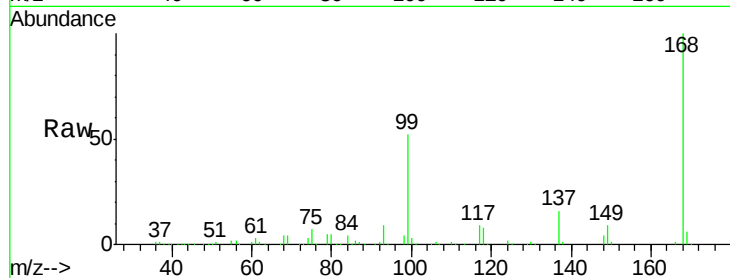
VX0511MBL01

Tgt Ion:168 Resp: 196157

Ion Ratio Lower Upper

168 100

99 51.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

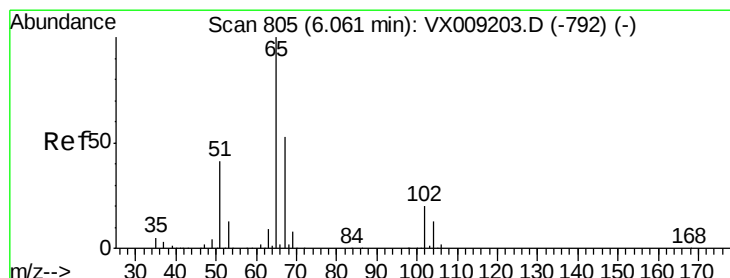
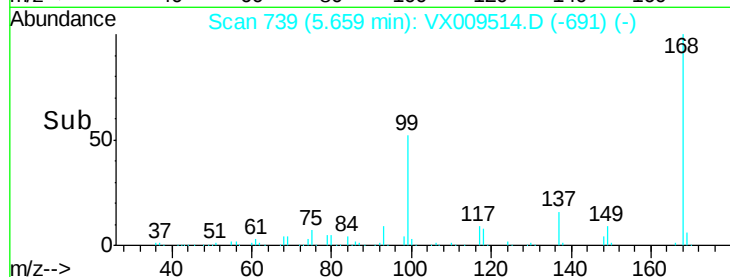
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.664 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009514.D

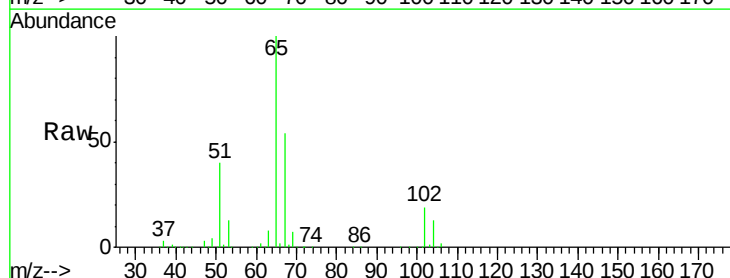
Acq: 11 May 2019 10:48

Tgt Ion: 65 Resp: 127634

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

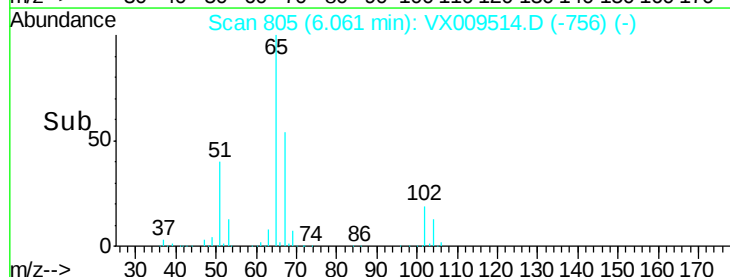
30000

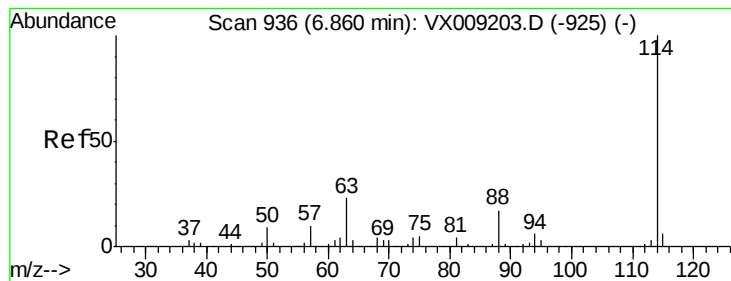
20000

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# 935

Delta R.T. -0.01 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

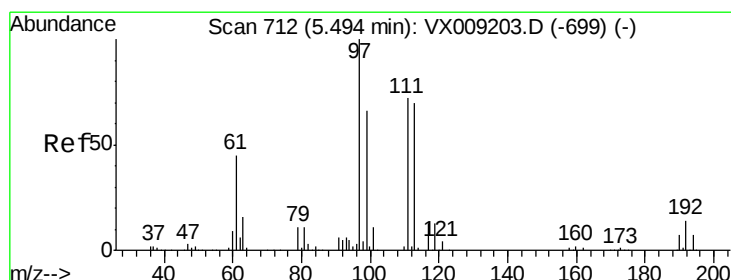
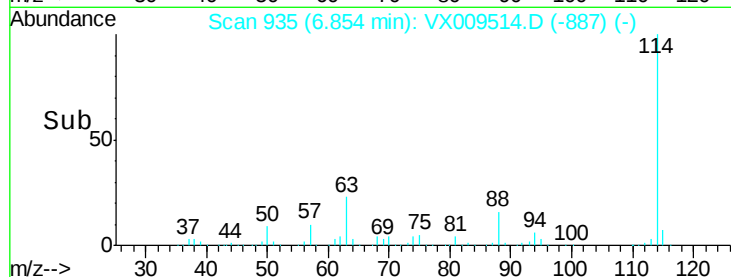
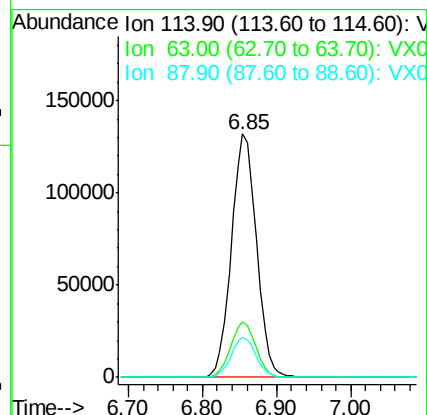
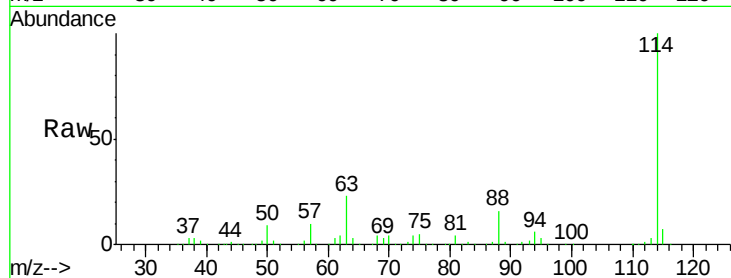
Instrument :

MSVOA\_X

ClientSampleId :

VX0511MBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 311347 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.6  | 0.0   | 45.6   |
| 88       | 16.4  | 0.0   | 33.2   |



#35

Dibromofluoromethane

Concen: 48.039 ug/l

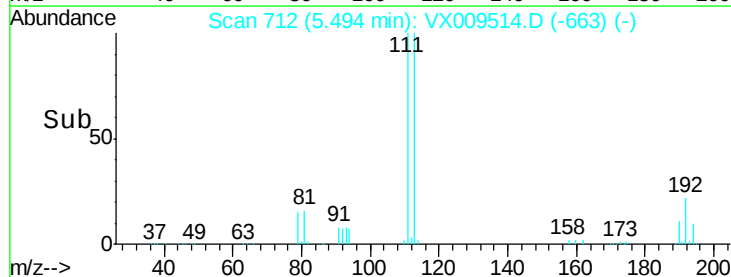
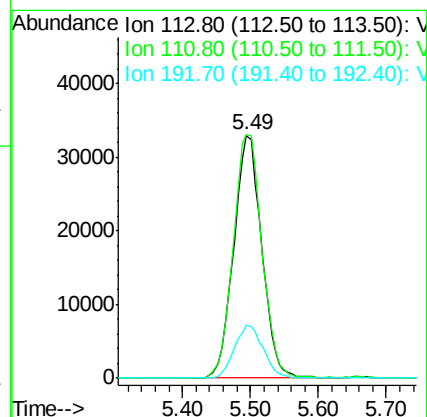
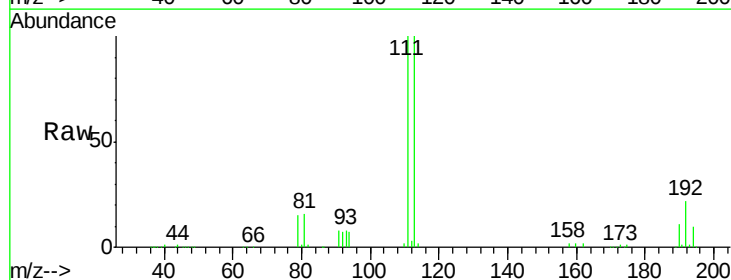
RT: 5.49 min Scan# 712

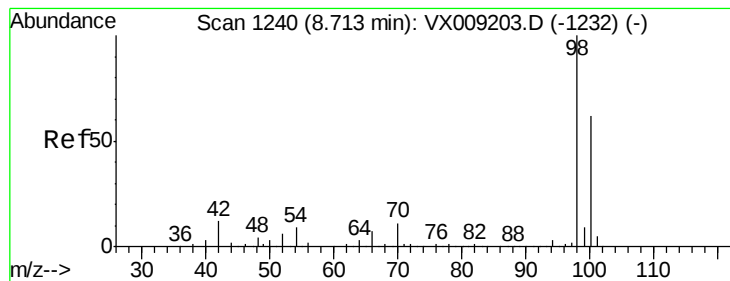
Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 94024 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.1 | 82.8  | 124.2 |
| 192      | 22.1  | 17.0  | 25.6  |





#50

Toluene-d8

Concen: 48.569 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA\_X

ClientSampleId :

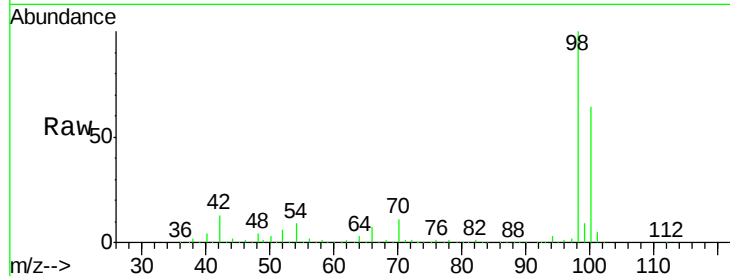
VX0511MBL01

Tgt Ion: 98 Resp: 383786

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

250000

200000

150000

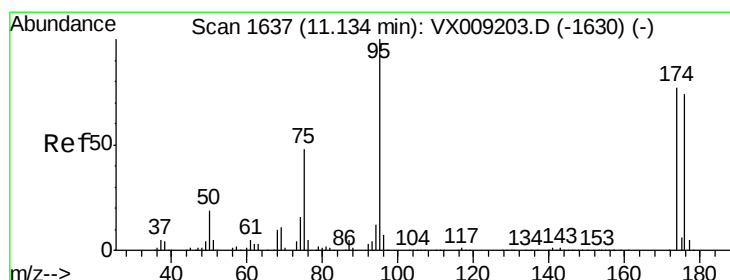
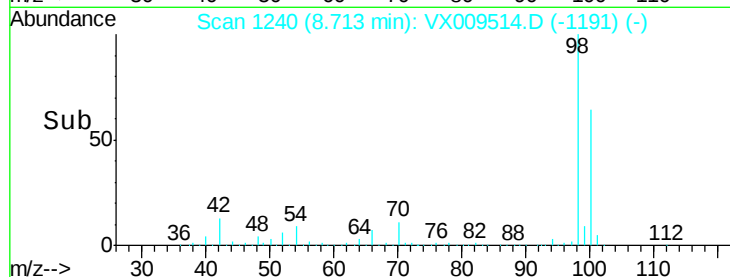
100000

50000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 43.405 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009514.D

Acq: 11 May 2019 10:48

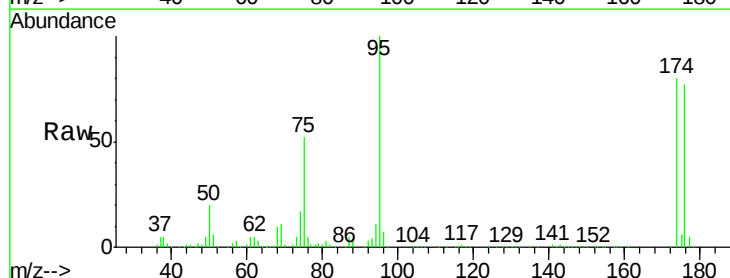
Tgt Ion: 95 Resp: 124628

Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.6

176 80.7 0.0 159.2



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

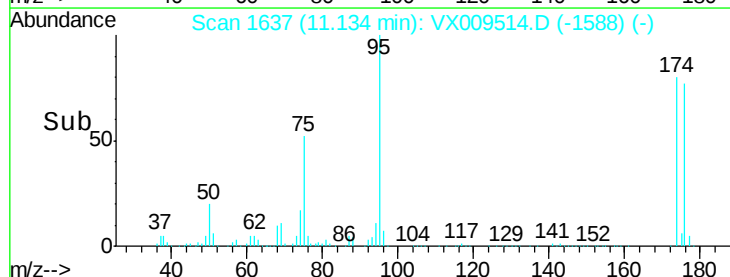
100000

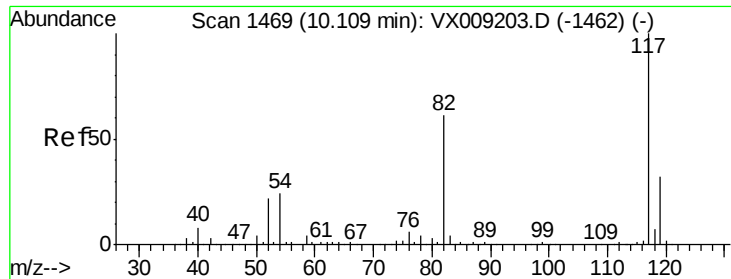
50000

0

11.10 11.20

Time-->

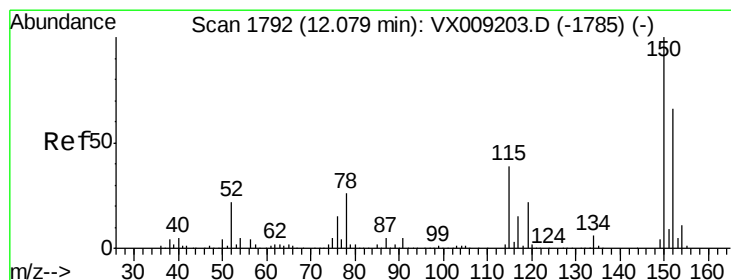
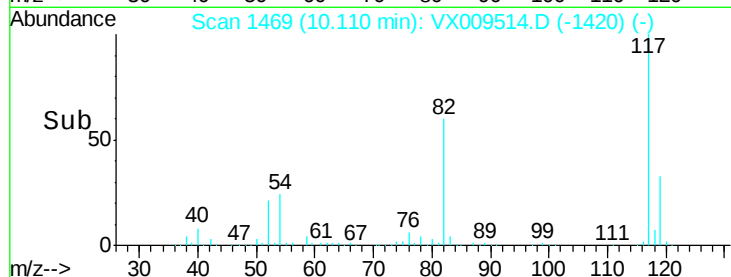
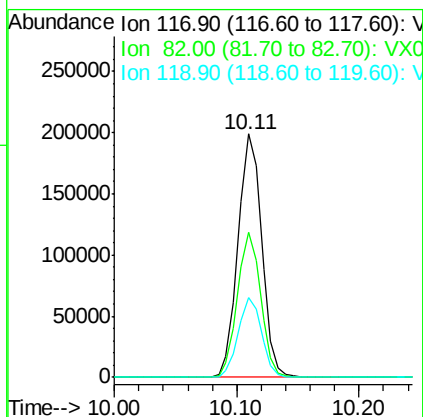
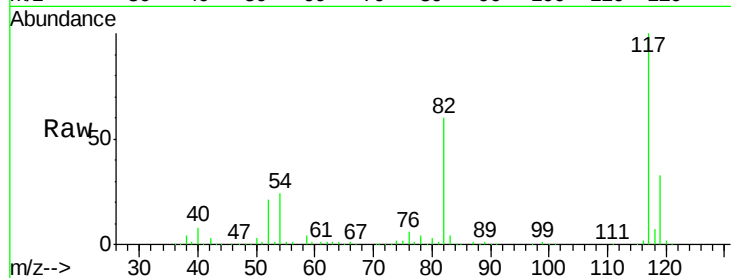




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009514.D  
Acq: 11 May 2019 10:48

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0511MBL01

Tgt Ion:117 Resp: 266275  
Ion Ratio Lower Upper  
117 100  
82 59.6 48.8 73.2  
119 32.7 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009514.D  
Acq: 11 May 2019 10:48

Tgt Ion:152 Resp: 113476  
Ion Ratio Lower Upper  
152 100  
115 57.8 41.2 123.6  
150 157.8 0.0 346.4

