

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX051119\  
 Data File : VX009515.D  
 Acq On : 11 May 2019 11:12  
 Operator : JC/SP  
 Sample : VX0511WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0511WBL01

Quant Time: May 12 02:11:19 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  | 196968   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 310743   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 266609   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 110534   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 128343   | 47.73 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.46% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 94976    | 48.62 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.24% |      |
| 50) Toluene-d8              | 8.71   | 98  | 388056   | 49.20 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.40% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 126055   | 43.99 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.98% |      |

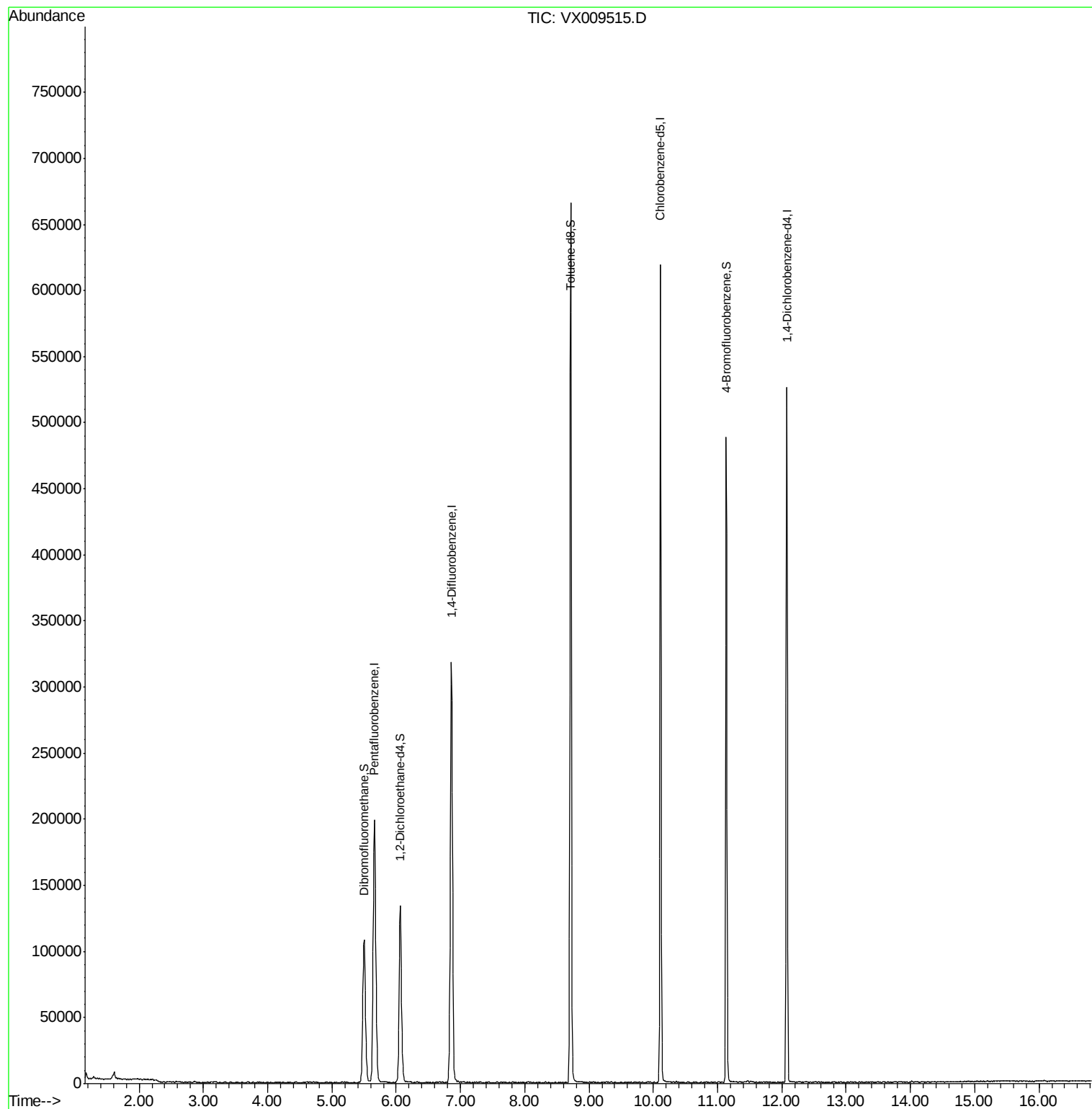
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

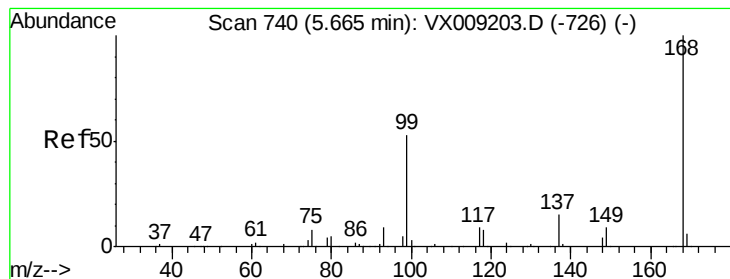
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0511WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0511WBL01

Quant Time: May 12 02:11:19 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: VX009515.D

Acq: 11 May 2019 11:12

Instrument :

MSVOA\_X

ClientSampleId :

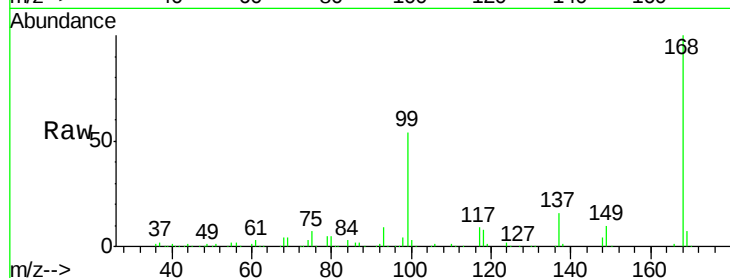
VX0511WBL01

Tgt Ion:168 Resp: 196968

Ion Ratio Lower Upper

168 100

99 53.9 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

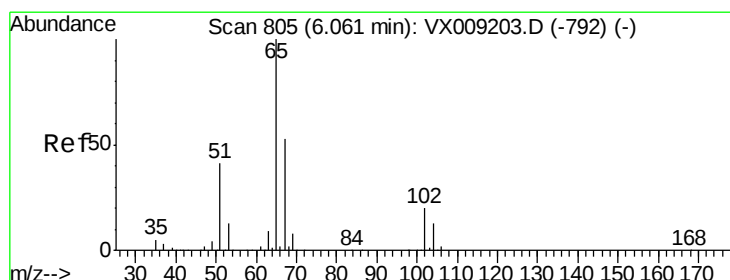
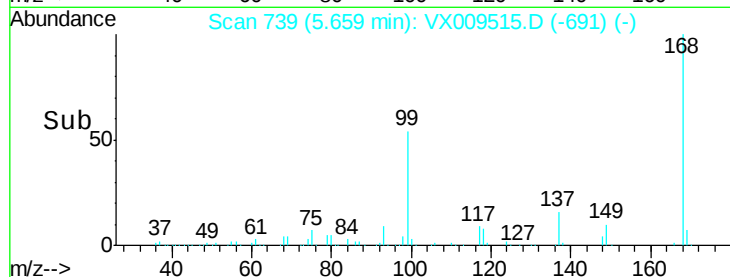
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.732 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009515.D

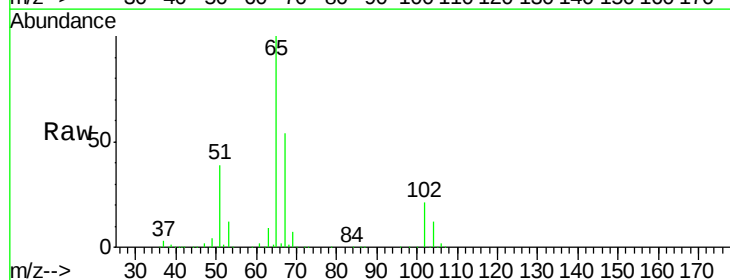
Acq: 11 May 2019 11:12

Tgt Ion: 65 Resp: 128343

Ion Ratio Lower Upper

65 100

67 53.0 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

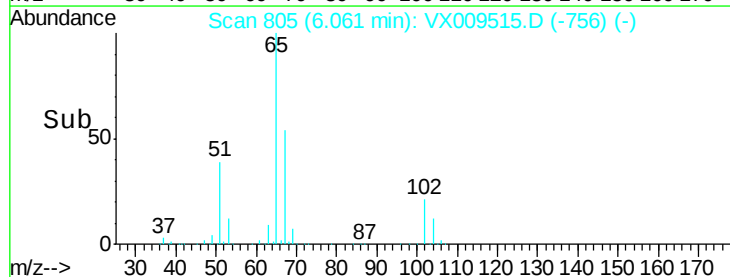
30000

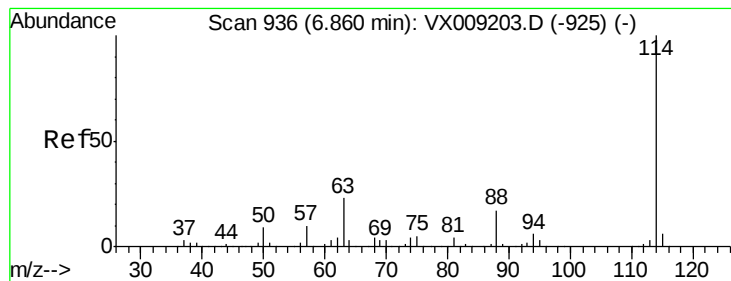
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009515.D

Acq: 11 May 2019 11:12

Instrument :

MSVOA\_X

ClientSampleId :

VX0511WBL01

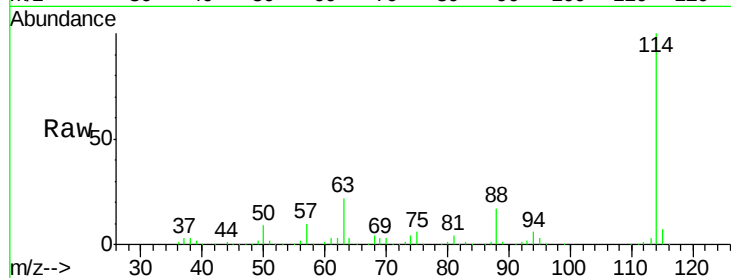
Tgt Ion:114 Resp: 310743

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

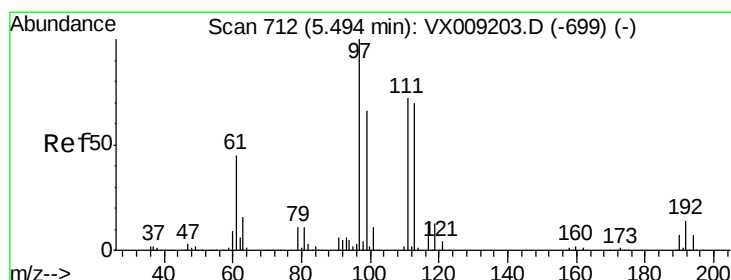
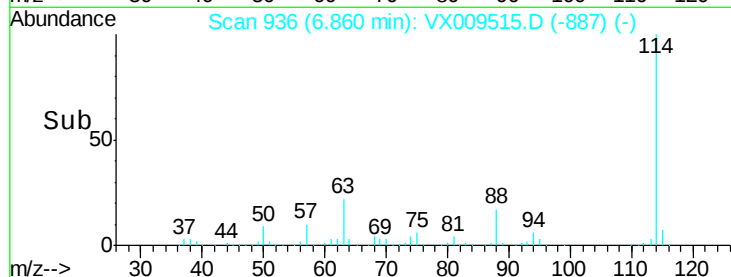
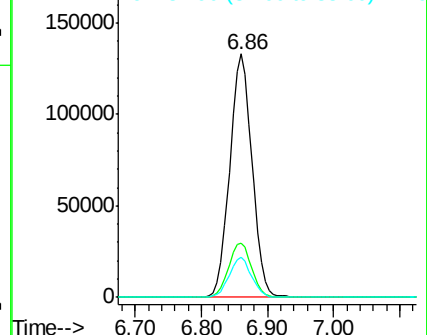
88 16.7 0.0 33.2



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: 48.620 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009515.D

Acq: 11 May 2019 11:12

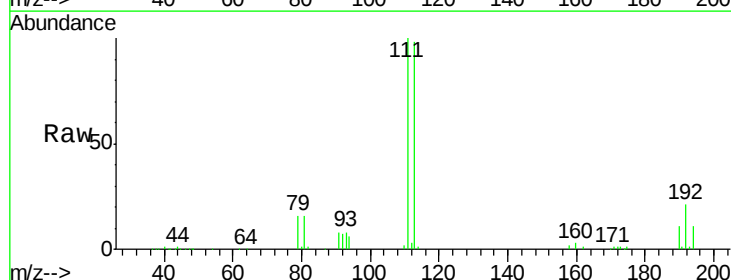
Tgt Ion:113 Resp: 94976

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

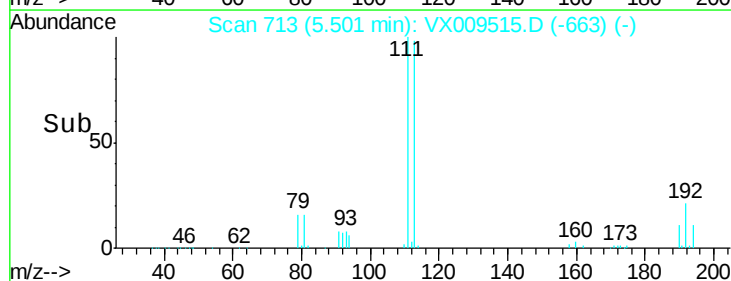
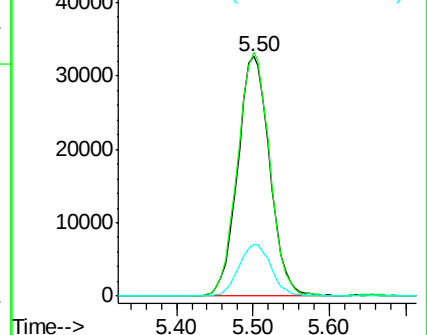
192 21.7 17.0 25.6

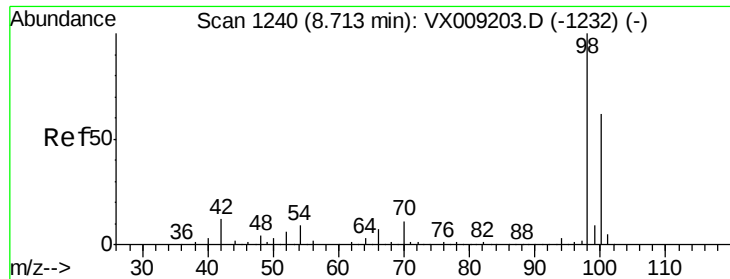


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.205 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009515.D

Acq: 11 May 2019 11:12

Instrument :

MSVOA\_X

ClientSampleId :

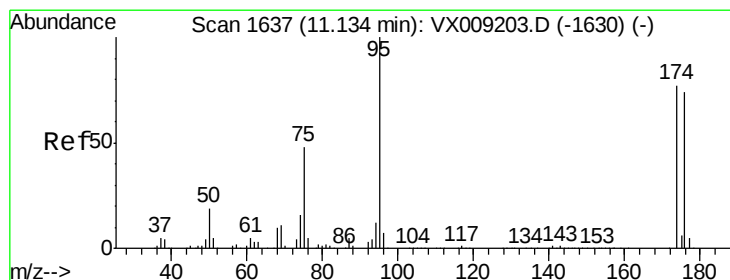
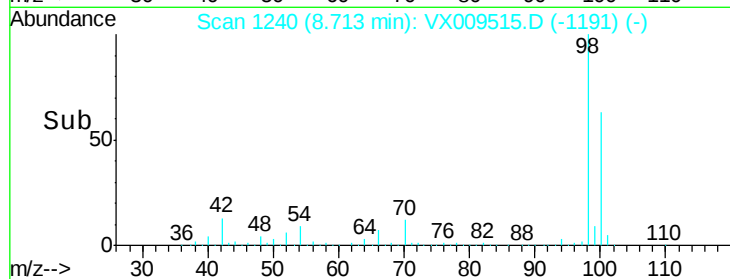
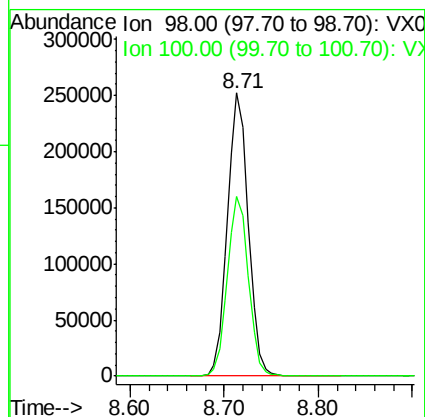
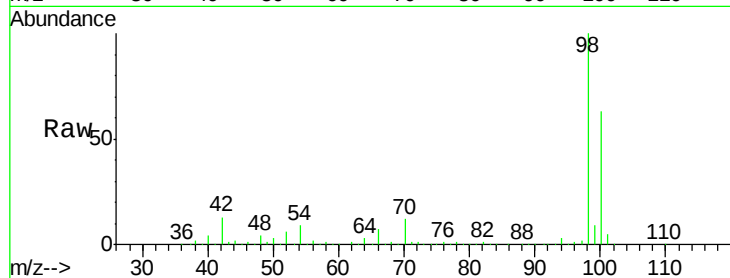
VX0511WBL01

Tgt Ion: 98 Resp: 388056

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 43.988 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009515.D

Acq: 11 May 2019 11:12

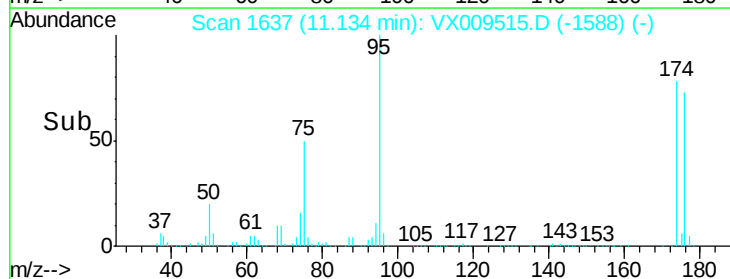
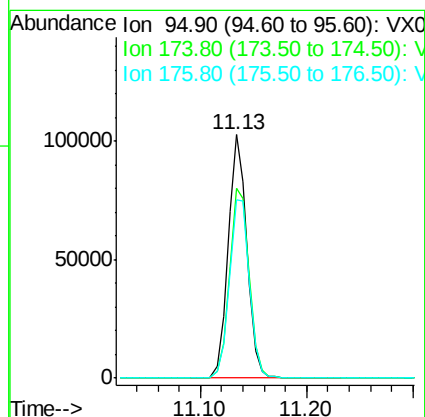
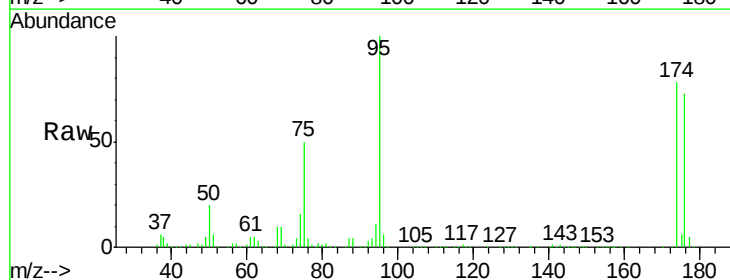
Tgt Ion: 95 Resp: 126055

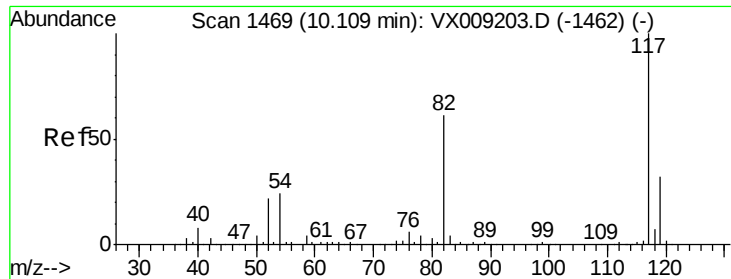
Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 78.9 0.0 159.2

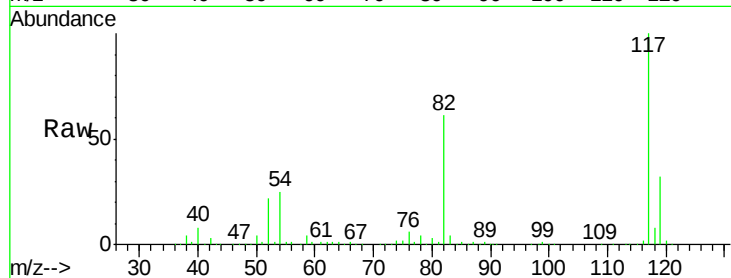




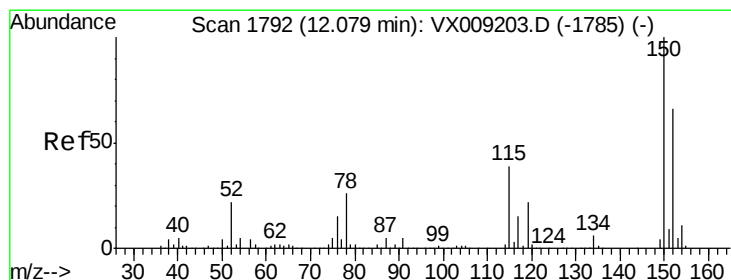
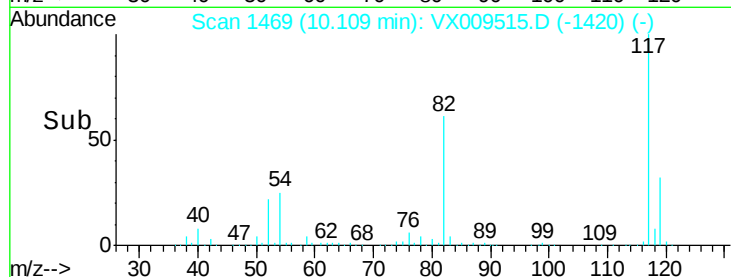
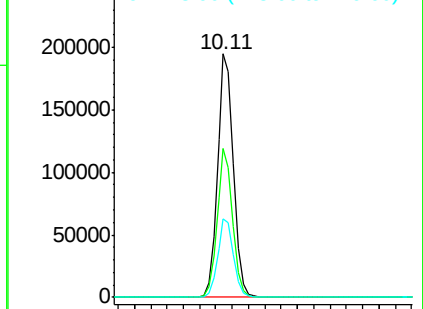
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX009515.D  
Acq: 11 May 2019 11:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0511WBL01

Tgt Ion:117 Resp: 266609  
Ion Ratio Lower Upper  
117 100  
82 60.9 48.8 73.2  
119 32.2 25.8 38.6

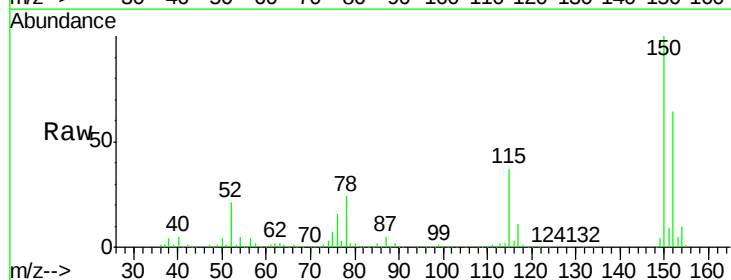


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX009515.D  
Acq: 11 May 2019 11:12

Tgt Ion:152 Resp: 110534  
Ion Ratio Lower Upper  
152 100  
115 58.1 41.2 123.6  
150 155.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

