

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051120\  
 Data File : VX016139.D  
 Acq On : 11 May 2020 11:19  
 Operator : JC/SP  
 Sample : VX0511WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0511WBL01

Quant Time: May 11 18:39:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 06 06:43:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 297128   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 483598   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 452270   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 215539   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 175625   | 44.92 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.84% |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 141487   | 46.18 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.36% |      |
| 50) Toluene-d8              | 8.70   | 98  | 587715   | 49.79 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.58% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 221888   | 49.42 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.84% |      |

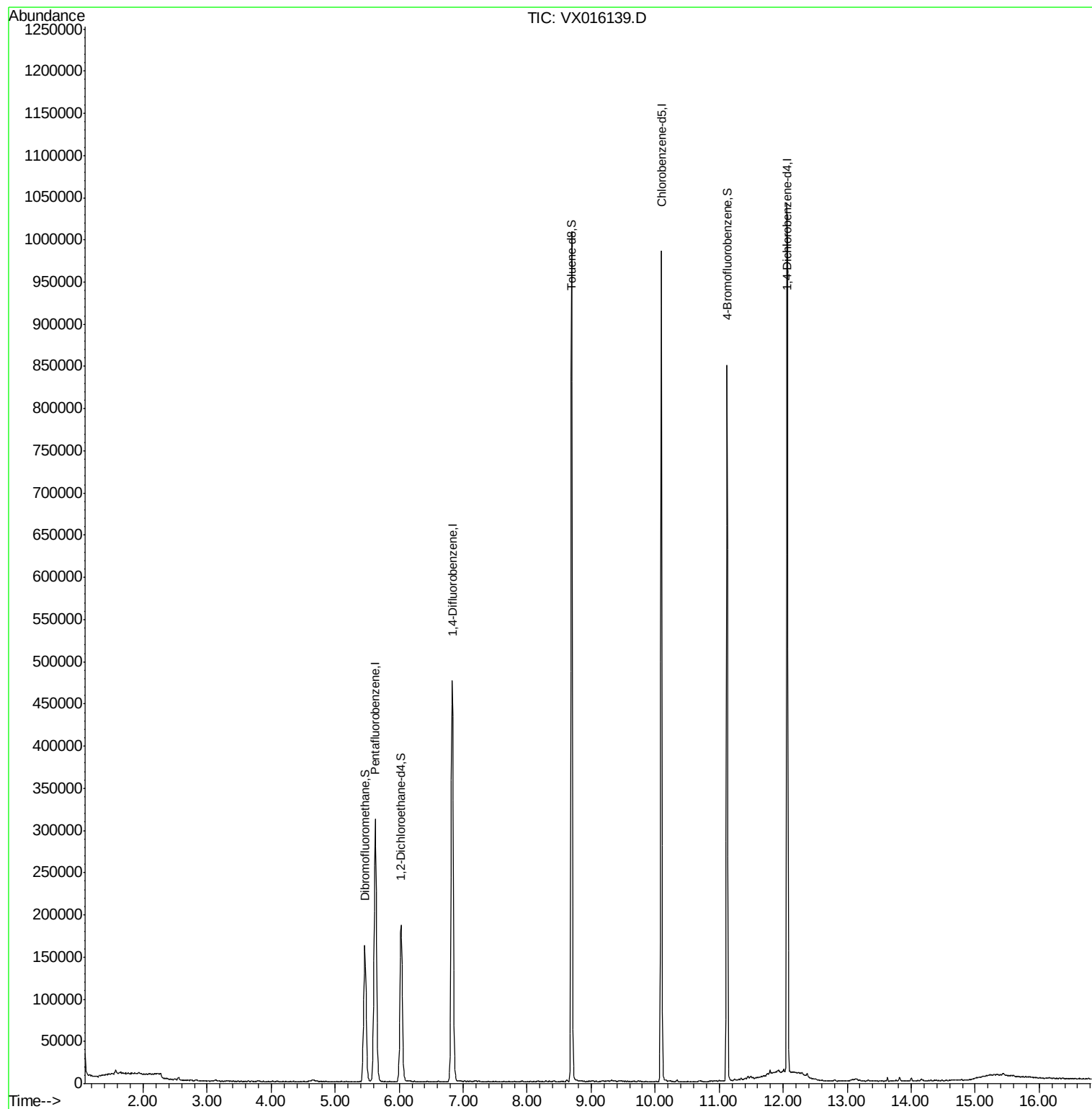
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

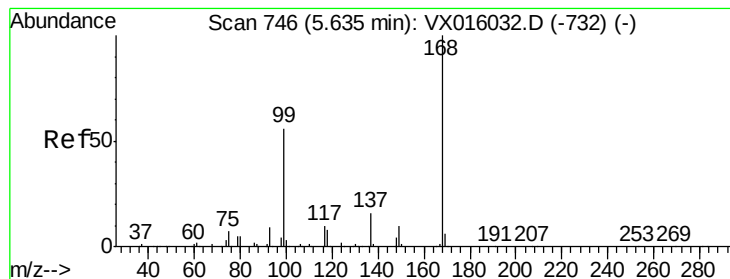
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 06 06:43:32 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016139.D

Acq: 11 May 2020 11:19

Instrument :

MSVOA\_X

ClientSampleId :

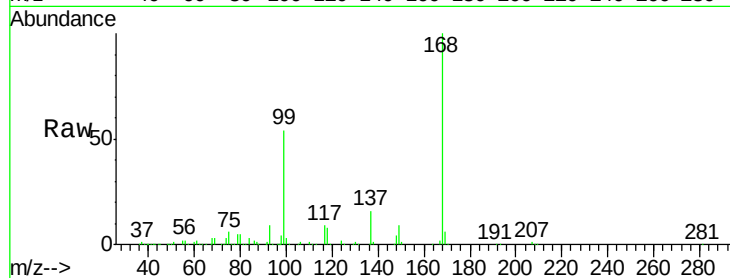
VX0511WBL01

Tot Ion:168 Resp: 297128

Ion Ratio Lower Upper

168 100

99 53.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

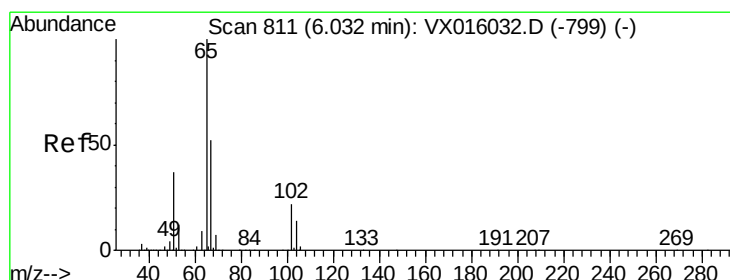
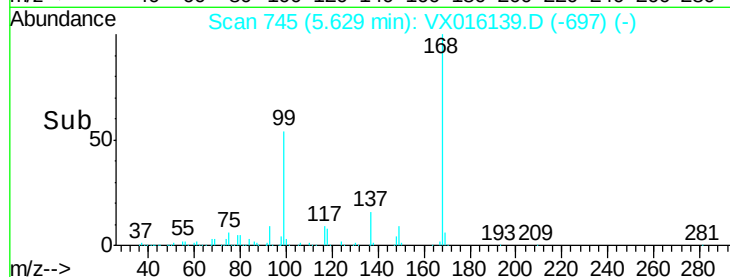
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 44.918 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016139.D

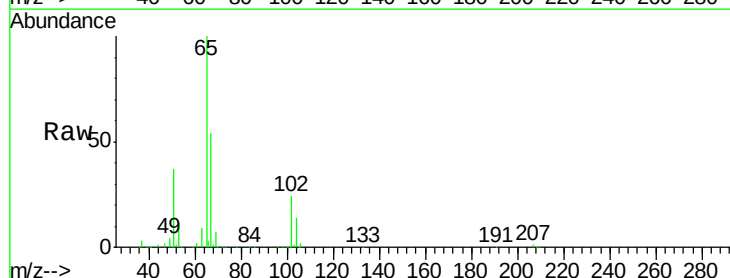
Acq: 11 May 2020 11:19

Tgt Ion: 65 Resp: 175625

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

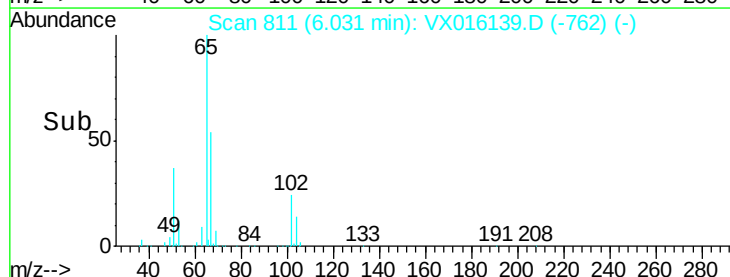
60000

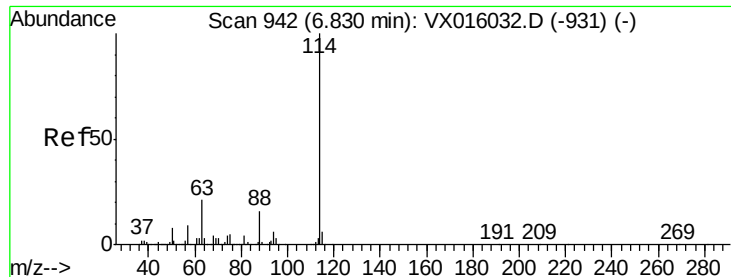
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016139.D

Acq: 11 May 2020 11:19

Instrument :

MSVOA\_X

ClientSampleId :

VX0511WBL01

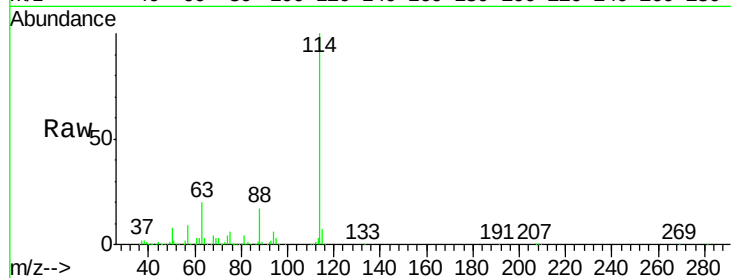
Tot Ion:114 Resp: 483598

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

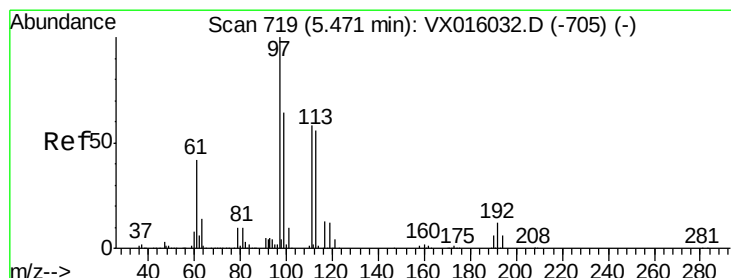
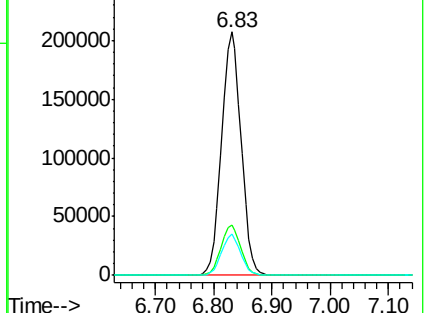
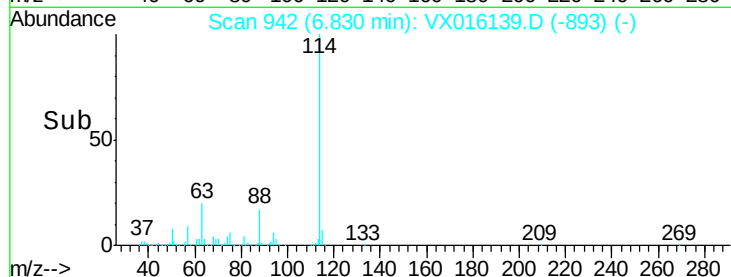
88 16.9 0.0 31.4



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: 46.180 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016139.D

Acq: 11 May 2020 11:19

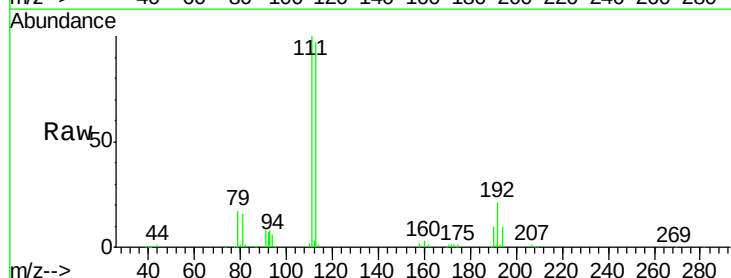
Tgt Ion:113 Resp: 141487

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

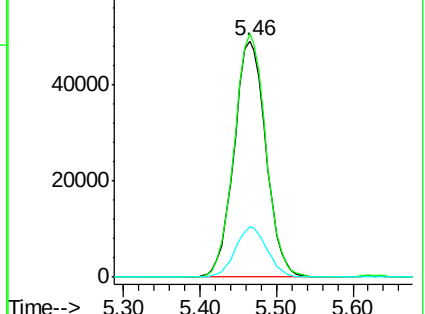
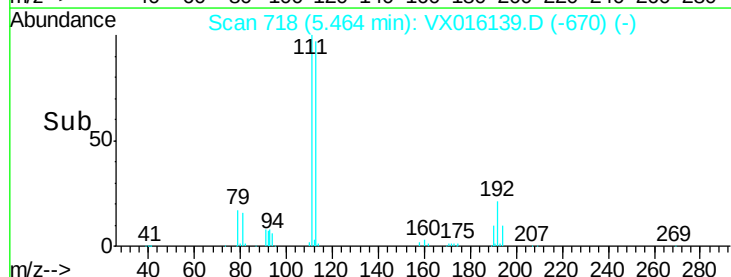
192 21.3 17.0 25.4

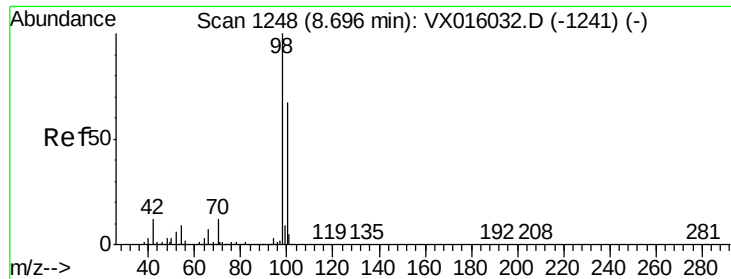


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

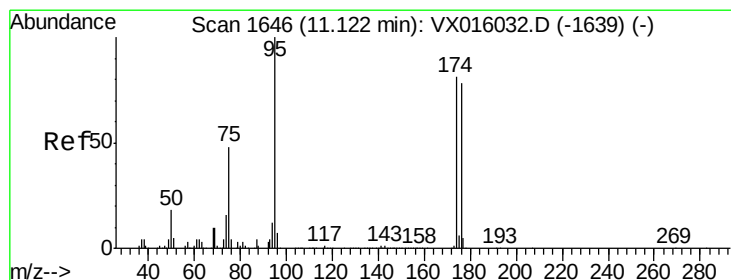
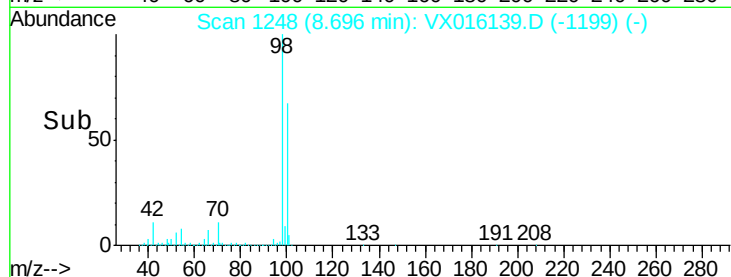
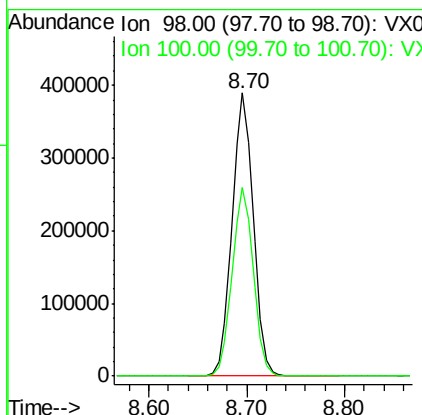
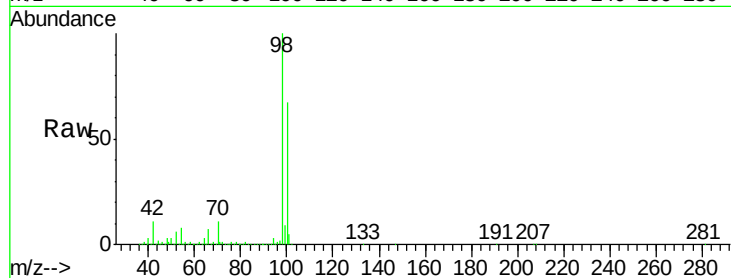




#50  
Toluene-d8  
Concen: 49.785 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX016139.D  
Acq: 11 May 2020 11:19

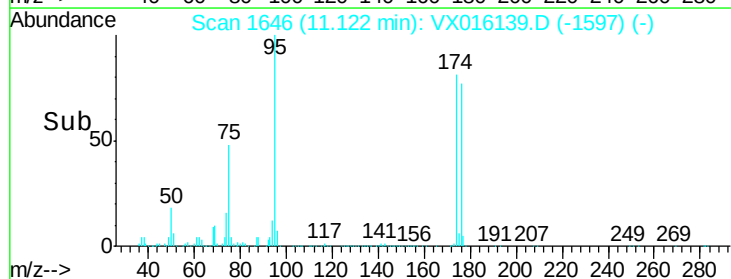
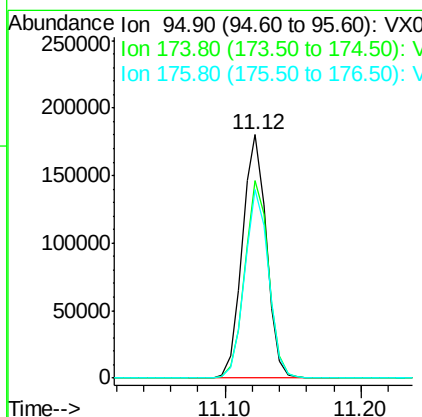
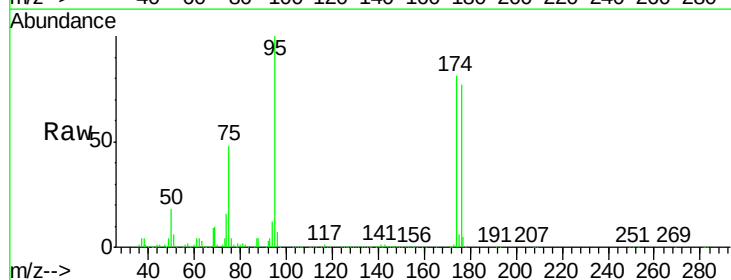
Instrument :  
MSVOA\_X  
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VX0511WBL01

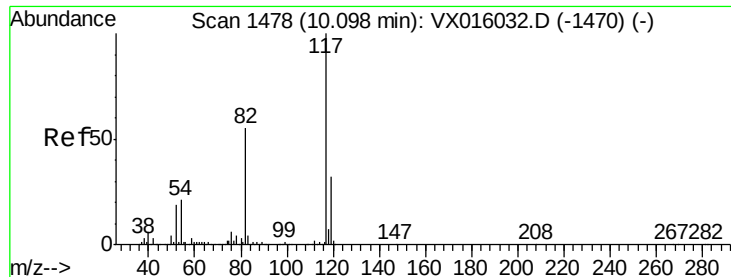
Tot Ion: 98 Resp: 587715  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.7 80.5



#62  
4-Bromofluorobenzene  
Concen: 49.417 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX016139.D  
Acq: 11 May 2020 11:19

Tgt Ion: 95 Resp: 221888  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 159.4  
176 77.5 0.0 157.6

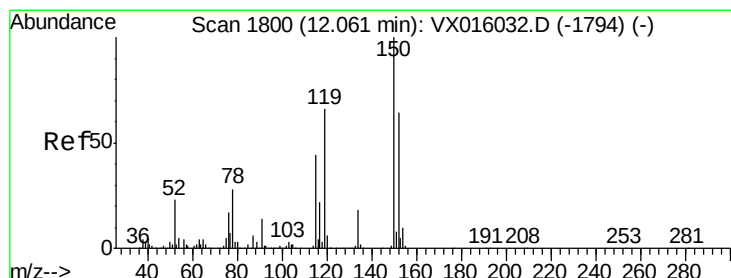
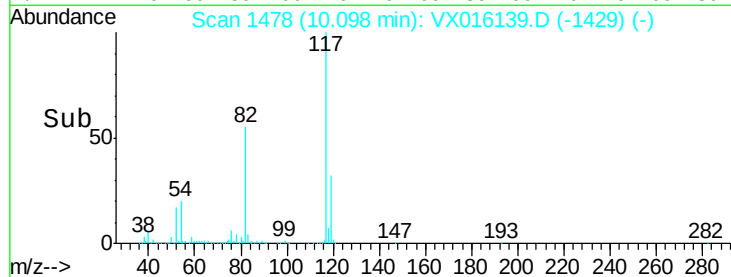
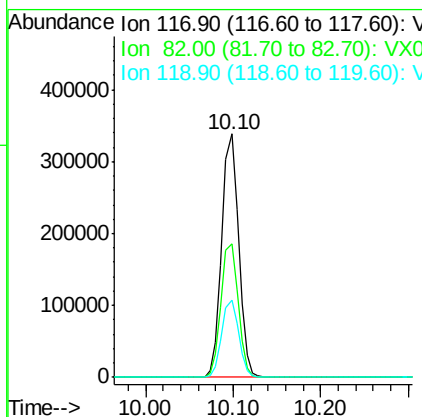
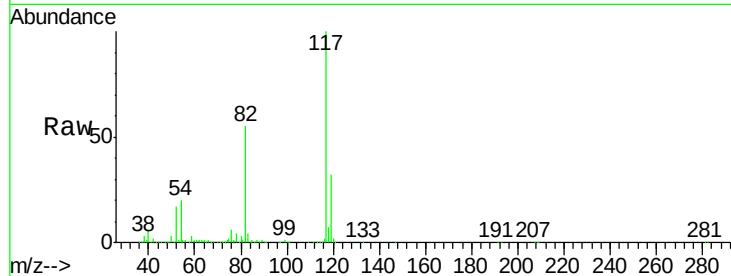




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016139.D  
Acq: 11 May 2020 11:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0511WBL01

Tot Ion:117 Resp: 452270  
Ion Ratio Lower Upper  
117 100  
82 54.9 44.4 66.6  
119 31.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1801  
Delta R.T. 0.01 min  
Lab File: VX016139.D  
Acq: 11 May 2020 11:19

Tgt Ion:152 Resp: 215539  
Ion Ratio Lower Upper  
152 100  
115 58.1 41.3 124.1  
150 157.7 0.0 352.2

