

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050420\  
 Data File : VX016036.D  
 Acq On : 04 May 2020 15:19  
 Operator : JC/SP  
 Sample : VX0504WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0504WBL01

Quant Time: May 05 07:47:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 05 07:11:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 317228   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 511110   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 481353   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 233898   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 191448   | 45.86 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.72%  |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 150351   | 46.43 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.86%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 617366   | 49.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.96%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 240851   | 50.75 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.50% |          |

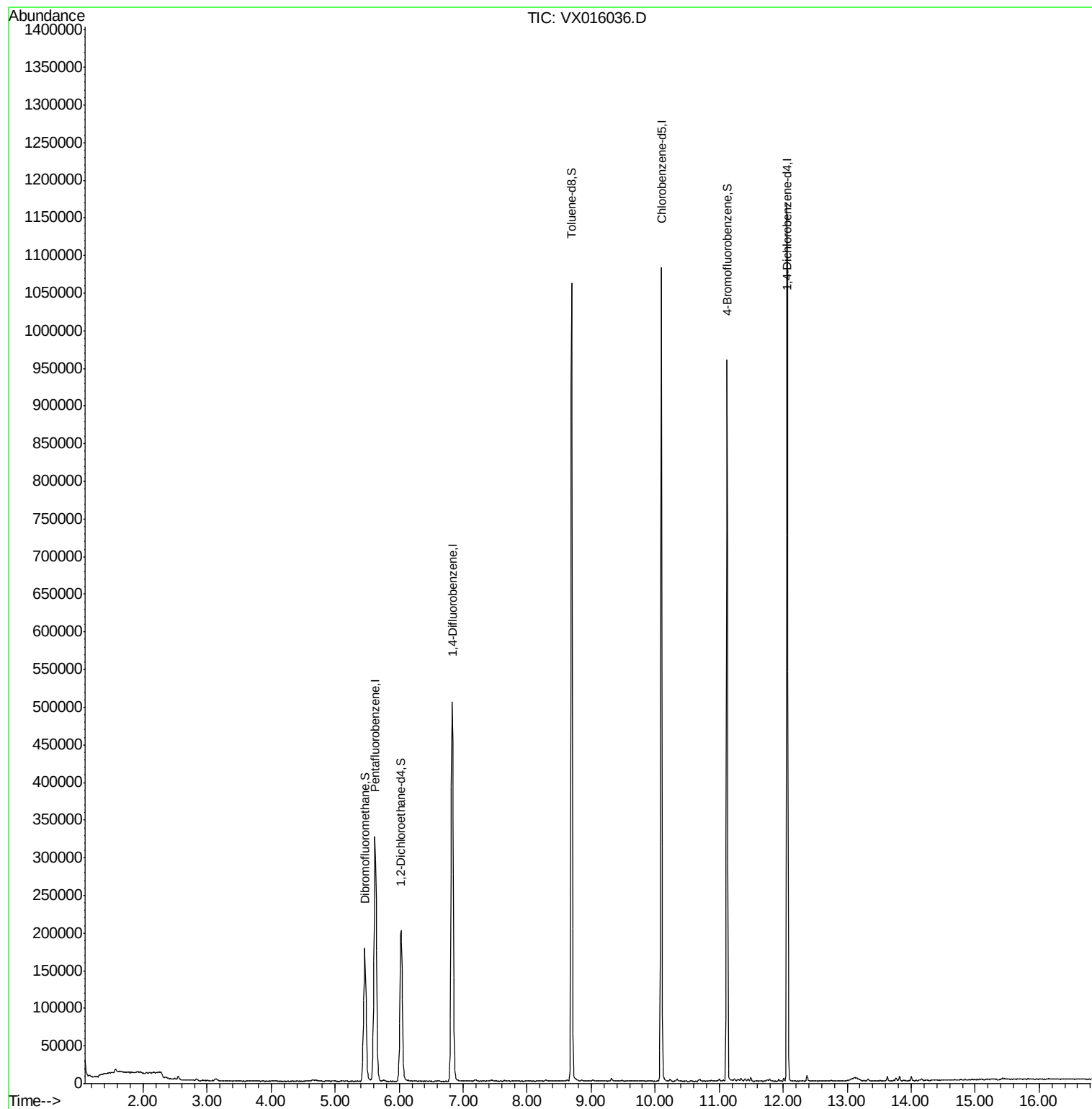
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

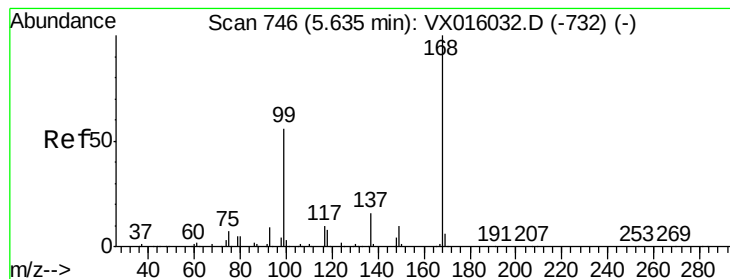
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
VX0504WBL01

Quant Time: May 05 07:47:47 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 05 07:11:41 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: VX016036.D

Acq: 04 May 2020 15:19

Instrument :

MSVOA\_X

ClientSampleId :

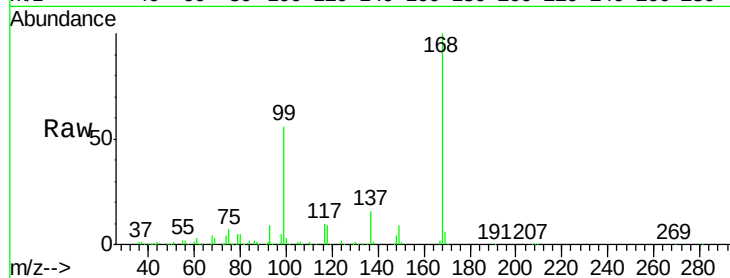
VX0504WBL01

Tot Ion:168 Resp: 317228

Ion Ratio Lower Upper

168 100

99 56.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

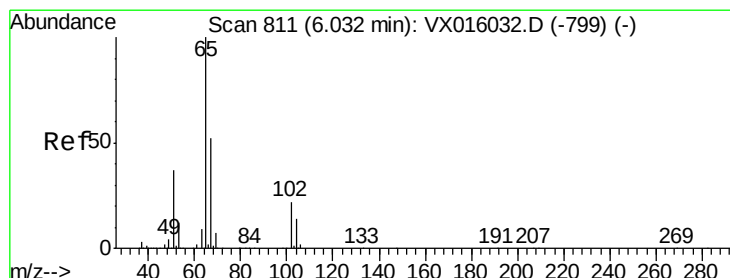
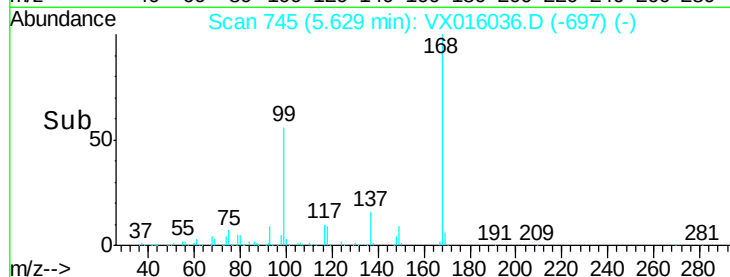
5.63

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.862 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016036.D

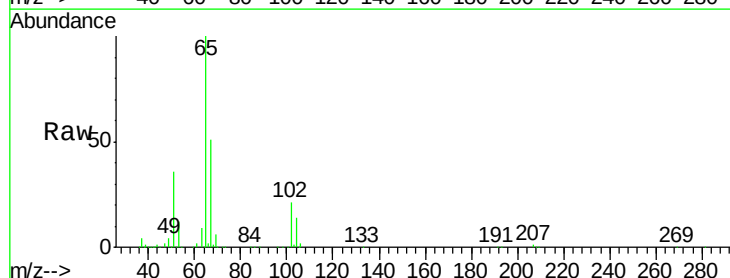
Acq: 04 May 2020 15:19

Tgt Ion: 65 Resp: 191448

Ion Ratio Lower Upper

65 100

67 52.1 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

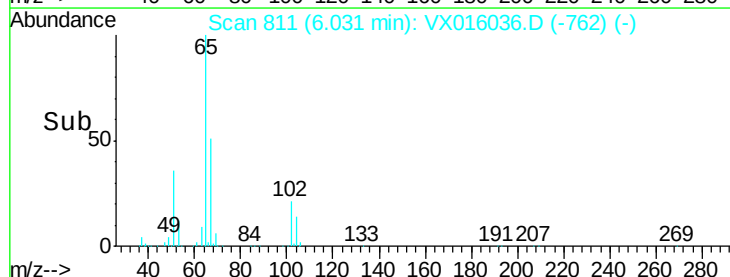
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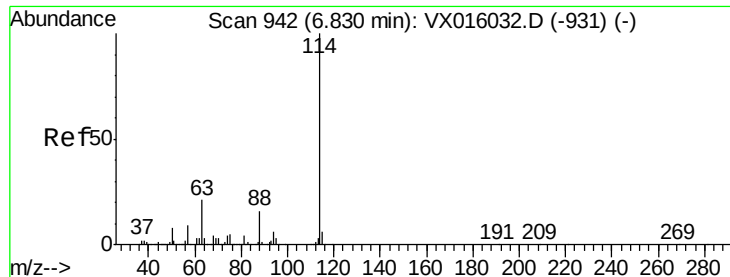
40000

20000

0

Time-->

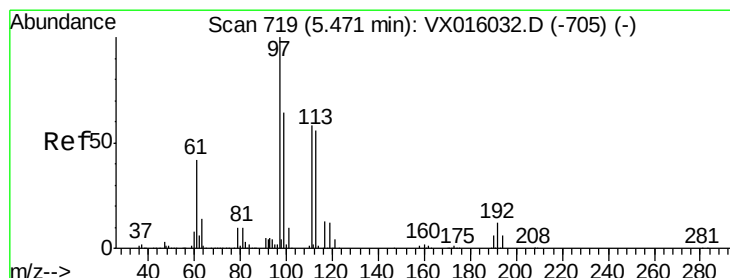
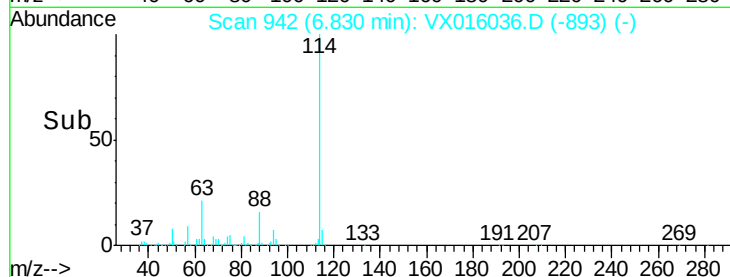
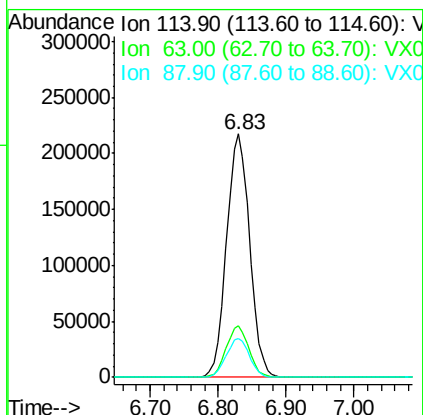
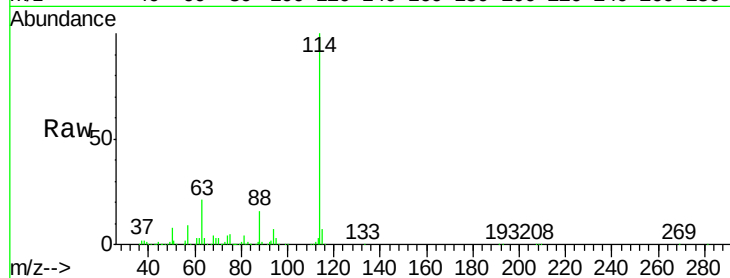




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: VX016036.D  
 Acq: 04 May 2020 15:19

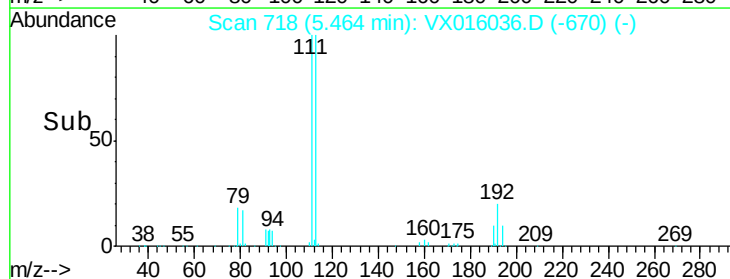
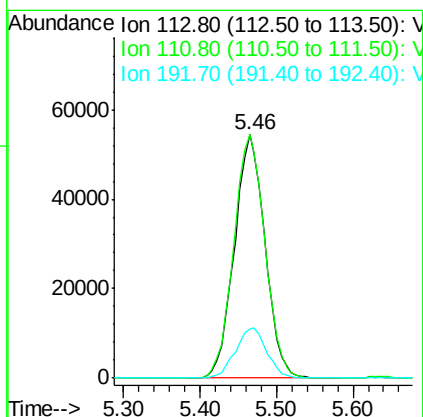
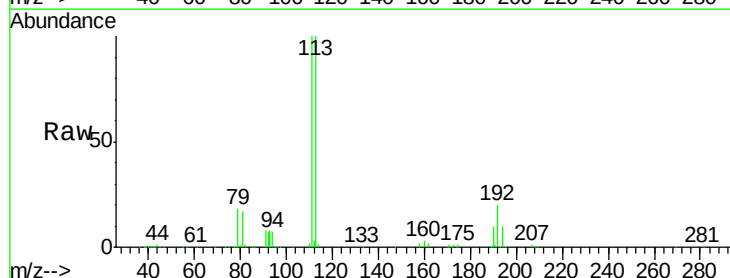
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0504WBL01

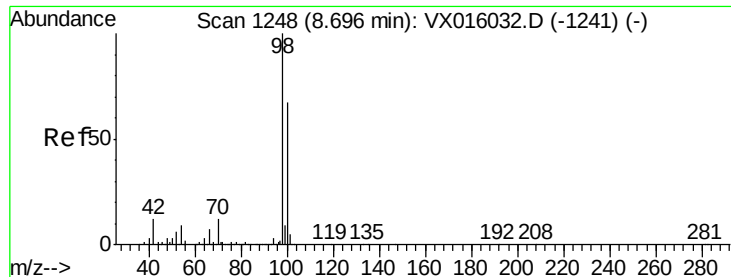
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 114   | Resp: | 511110 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.1  | 0.0   | 42.8   |
| 88       | 16.1  | 0.0   | 31.4   |



#35  
 Dibromofluoromethane  
 Concen: 46.432 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.01 min  
 Lab File: VX016036.D  
 Acq: 04 May 2020 15:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 150351 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.3 | 81.6  | 122.4  |
| 192      | 21.2  | 17.0  | 25.4   |

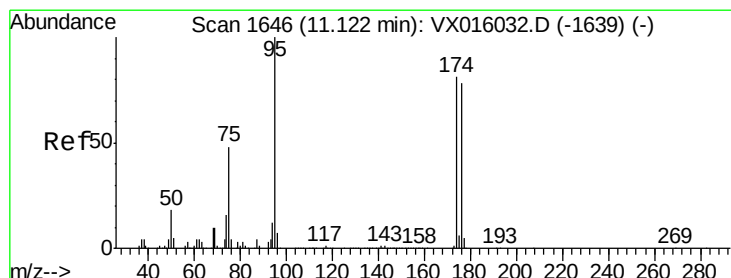
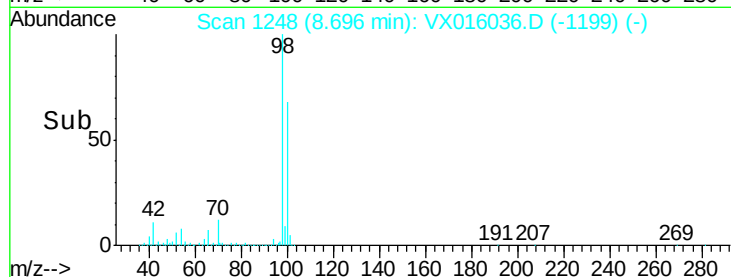
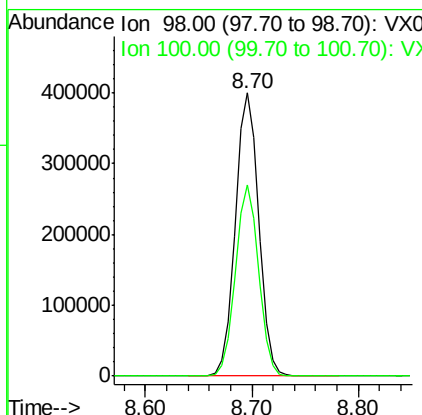
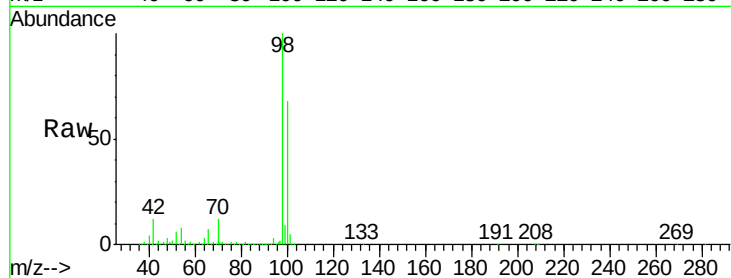




#50  
Toluene-d8  
Concen: 49.482 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX016036.D  
Acq: 04 May 2020 15:19

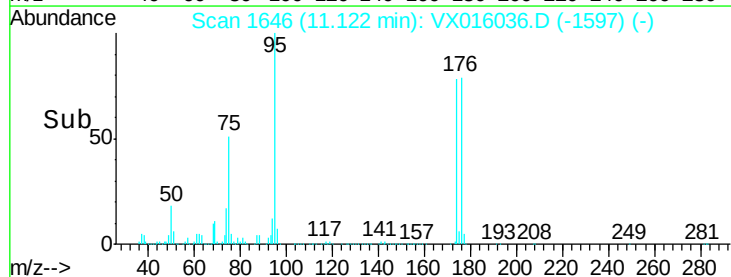
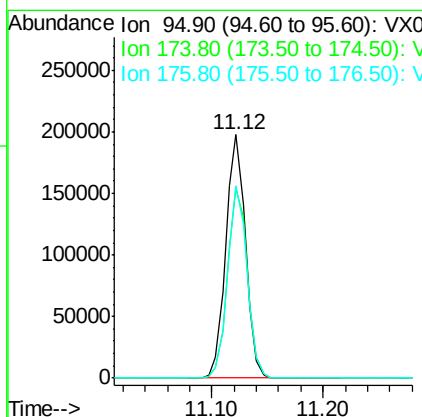
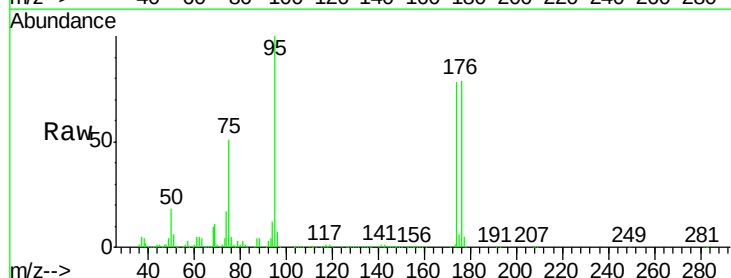
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0504WBL01

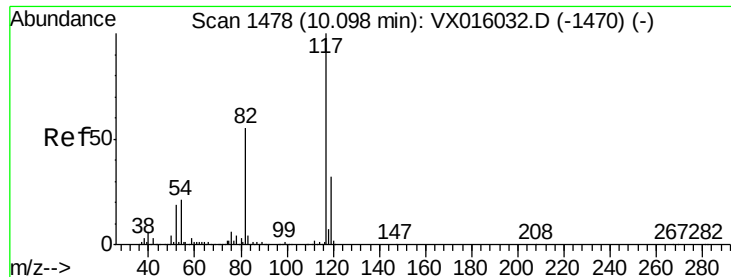
Tot Ion: 98 Resp: 617366  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.7 80.5



#62  
4-Bromofluorobenzene  
Concen: 50.753 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX016036.D  
Acq: 04 May 2020 15:19

Tgt Ion: 95 Resp: 240851  
Ion Ratio Lower Upper  
95 100  
174 79.3 0.0 159.4  
176 78.0 0.0 157.6

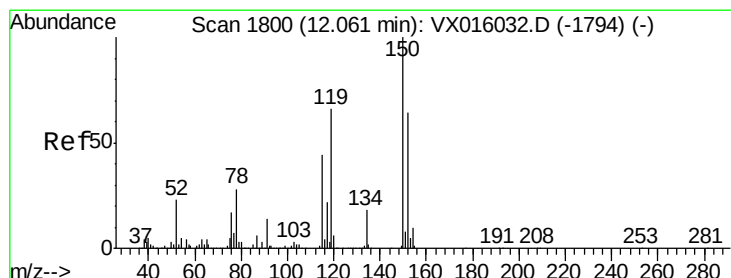
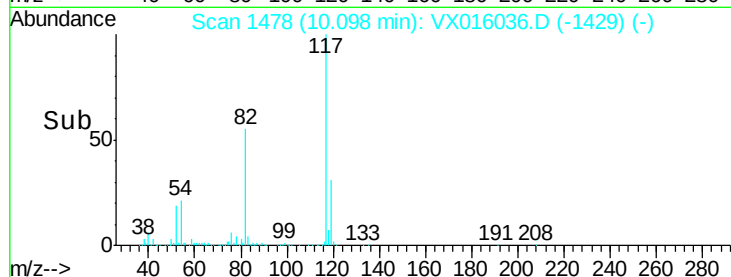
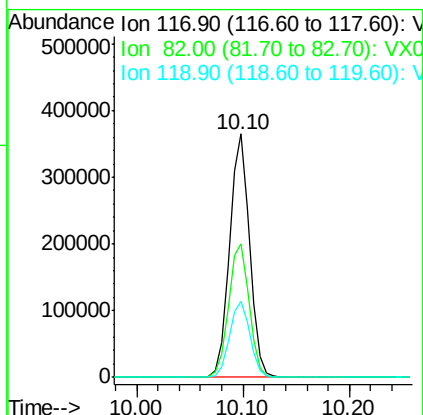
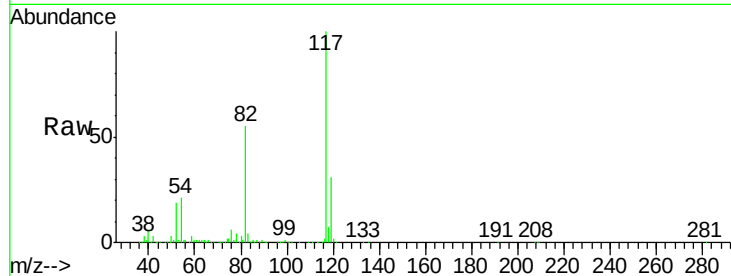




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016036.D  
Acq: 04 May 2020 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0504WBL01

Tot Ion:117 Resp: 481353  
Ion Ratio Lower Upper  
117 100  
82 54.8 44.4 66.6  
119 31.3 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX016036.D  
Acq: 04 May 2020 15:19

Tgt Ion:152 Resp: 233898  
Ion Ratio Lower Upper  
152 100  
115 60.0 41.3 124.1  
150 159.6 0.0 352.2

