

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052220\  
 Data File : VX016400.D  
 Acq On : 22 May 2020 10:28  
 Operator : JC/SP  
 Sample : VX0522WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0522WBL01

Quant Time: May 23 01:52:07 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      | 5.62  | 168  | 232457   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 383991   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 369067   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 171222   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 131782   | 43.08 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.16% |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 111473   | 45.82 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.64% |      |
| 50) Toluene-d8              | 8.70   | 98  | 467065   | 49.83 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.66% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 175910   | 49.34 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.68% |      |

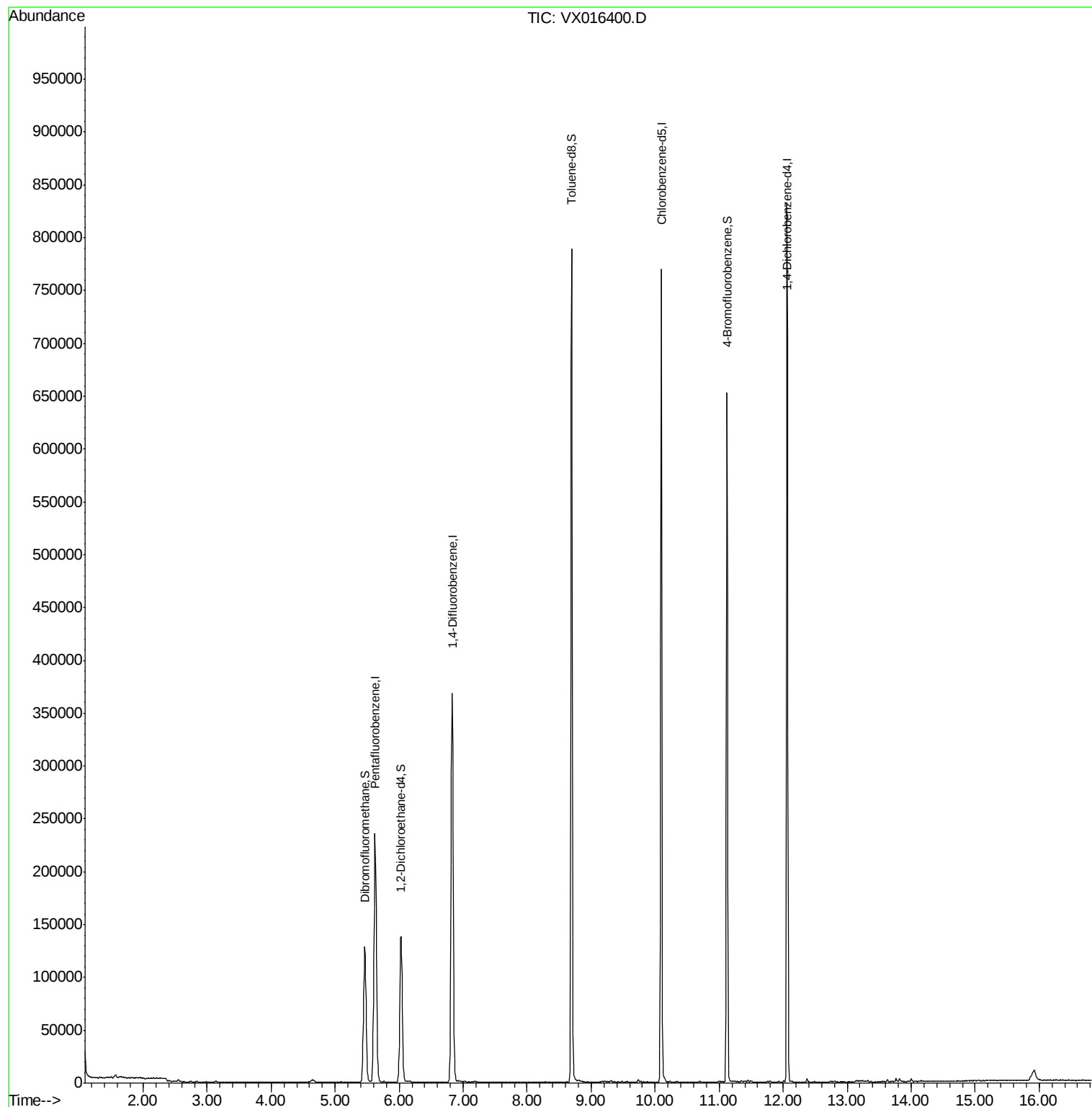
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

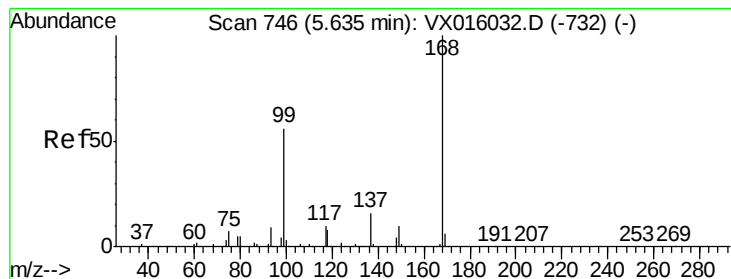
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0522WBL01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0522WBL01

Quant Time: May 23 01:52:07 2020  
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: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016400.D

Acq: 22 May 2020 10:28

Instrument :

MSVOA\_X

ClientSampleId :

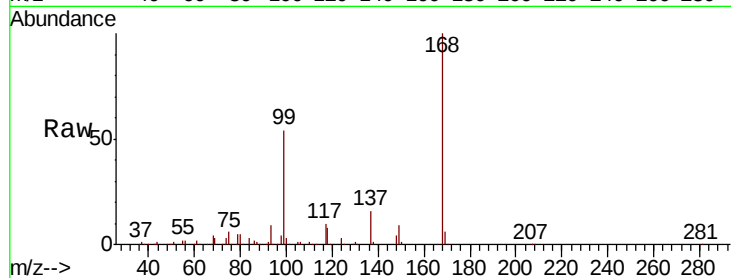
VX0522WBL01

Tot Ion:168 Resp: 232457

Ion Ratio Lower Upper

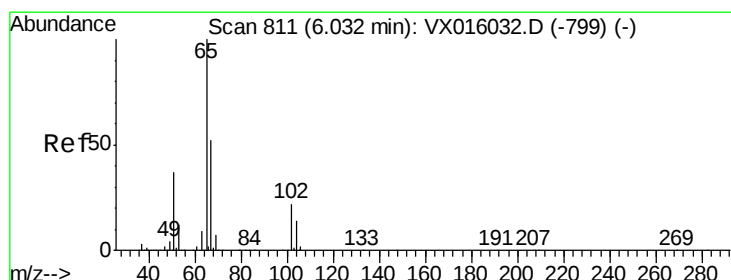
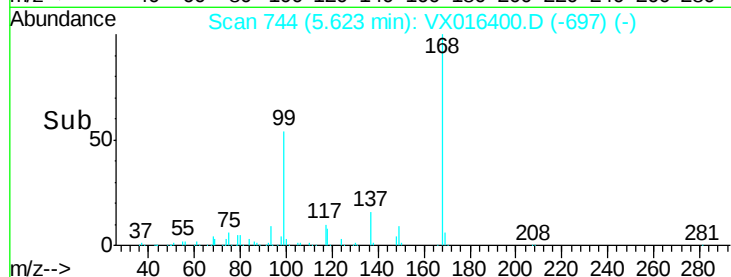
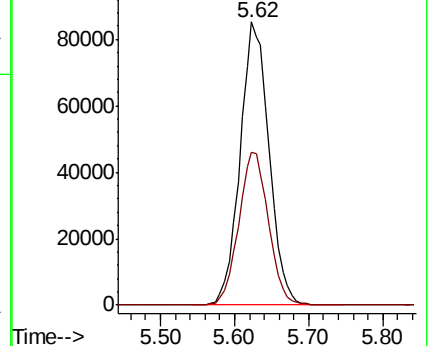
168 100

99 54.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.082 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016400.D

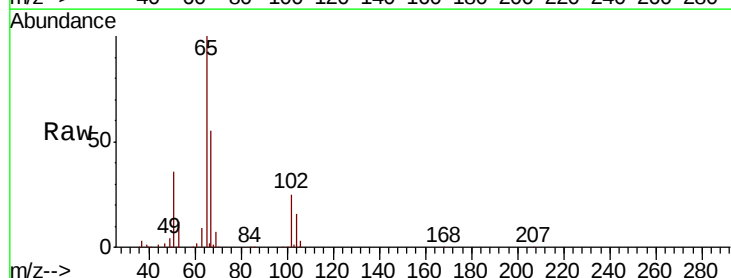
Acq: 22 May 2020 10:28

Tgt Ion: 65 Resp: 131782

Ion Ratio Lower Upper

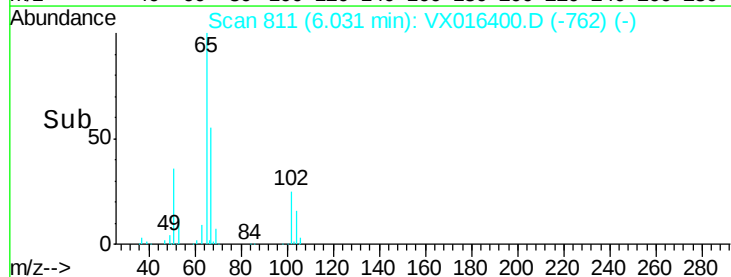
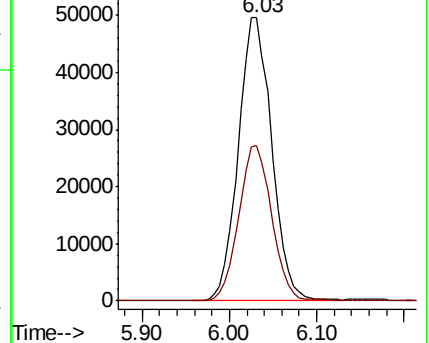
65 100

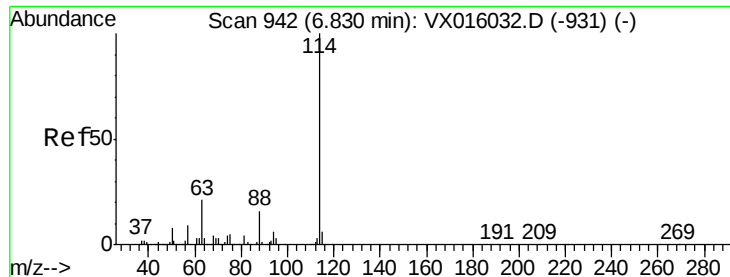
67 54.1 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016400.D

Acq: 22 May 2020 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VX0522WBL01

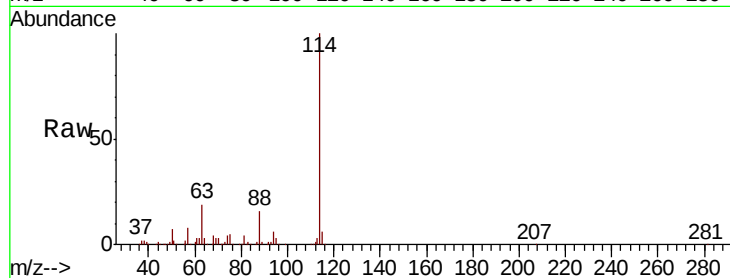
Tot Ion:114 Resp: 383991

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

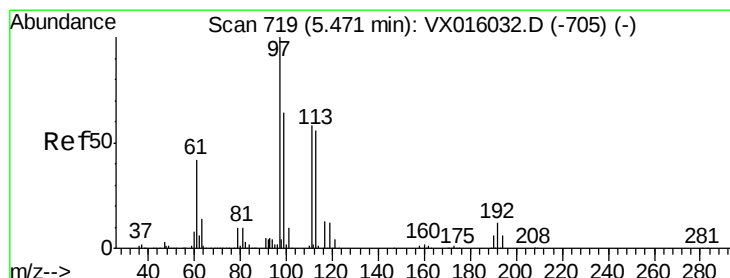
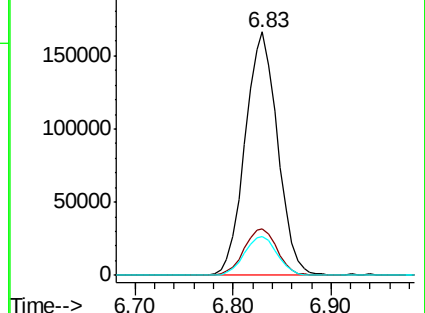
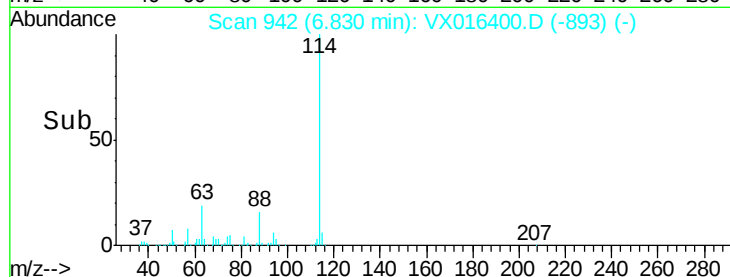
88 16.0 0.0 31.4



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: 45.822 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016400.D

Acq: 22 May 2020 10:28

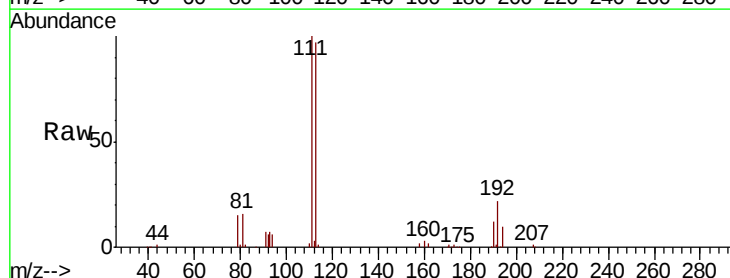
Tgt Ion:113 Resp: 111473

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

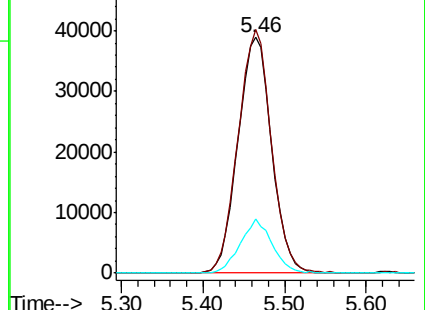
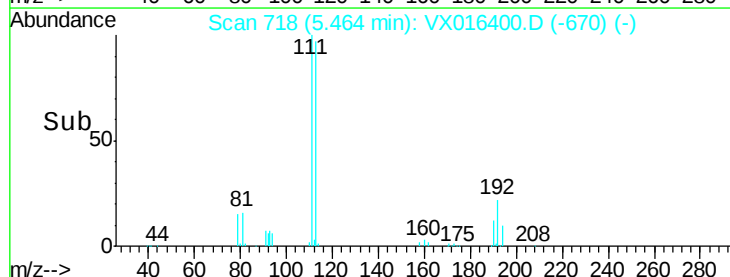
192 21.7 17.0 25.4

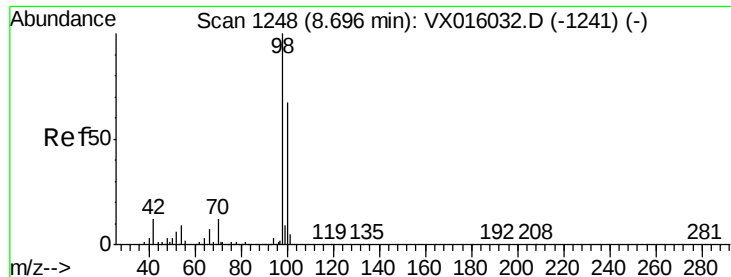


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

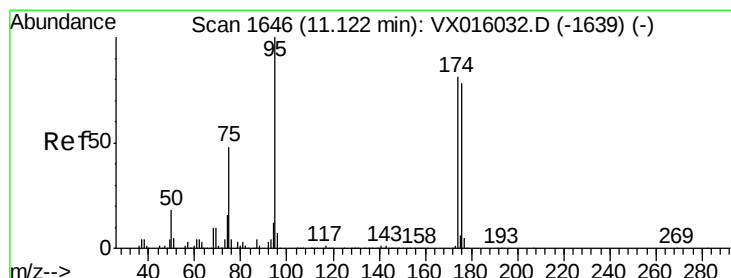
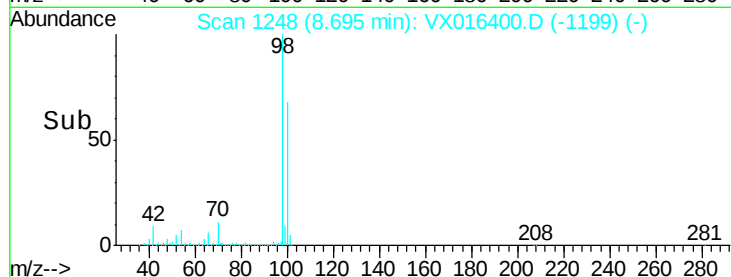
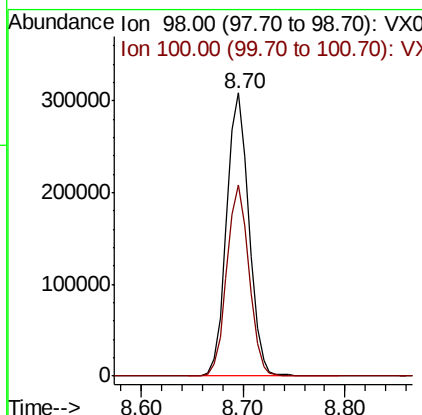
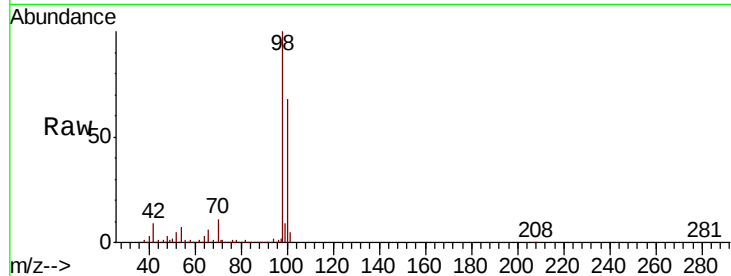




#50  
Toluene-d8  
Concen: 49.828 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX016400.D  
Acq: 22 May 2020 10:28

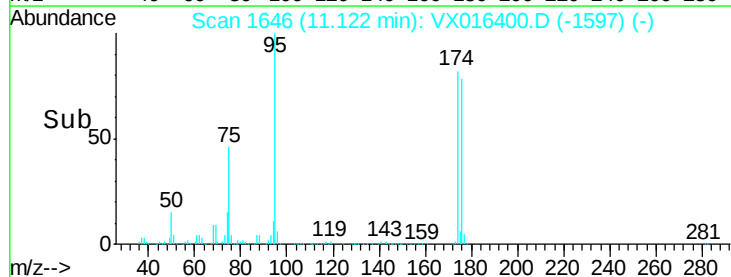
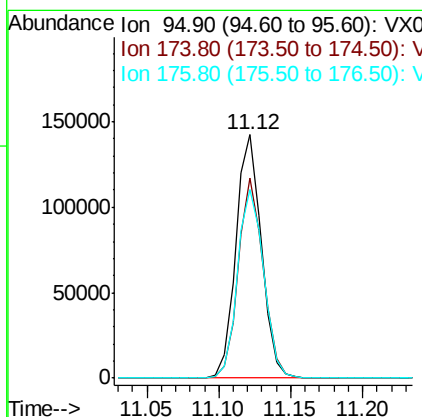
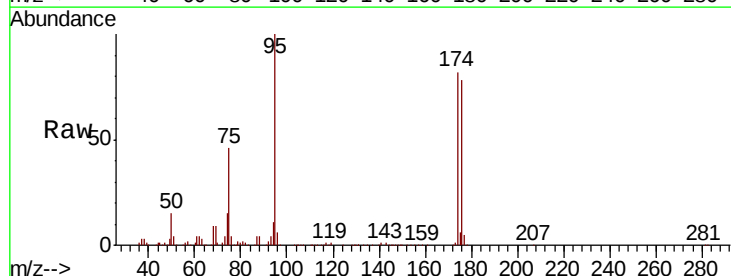
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0522WBL01

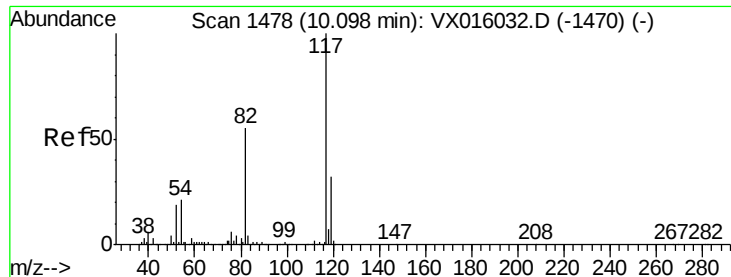
Tot Ion: 98 Resp: 467065  
Ion Ratio Lower Upper  
98 100  
100 67.1 53.7 80.5



#62  
4-Bromofluorobenzene  
Concen: 49.340 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX016400.D  
Acq: 22 May 2020 10:28

Tgt Ion: 95 Resp: 175910  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 159.4  
176 79.4 0.0 157.6

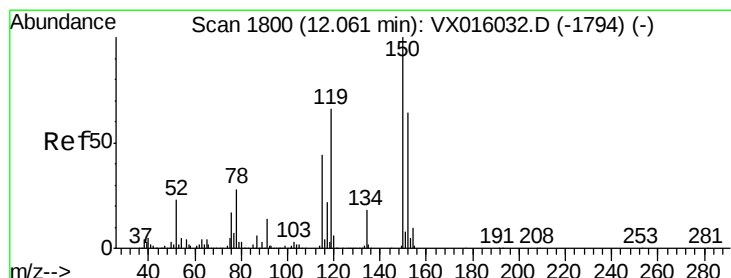
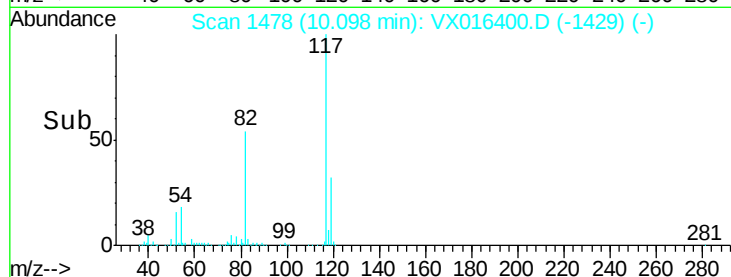
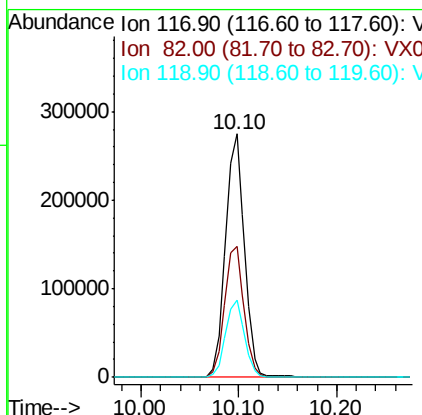
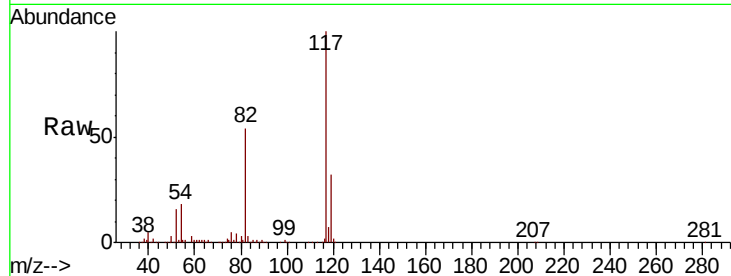




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016400.D  
Acq: 22 May 2020 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0522WBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.5  | 44.4  | 66.6  |
| 119     | 31.8  | 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: VX016400.D  
Acq: 22 May 2020 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.0  | 41.3  | 124.1 |
| 150     | 159.8 | 0.0   | 352.2 |

