

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\  
 Data File : VX010952.D  
 Acq On : 18 Jul 2019 12:39  
 Operator : JC/SP  
 Sample : K3834-17  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-3

Quant Time: Jul 19 01:58:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 17 06:57:45 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 206950   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 327519   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 303467   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 142380   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 110865   | 50.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.72% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 103202   | 49.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.28%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 391767   | 50.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.50% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 135614   | 47.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.64%  |          |

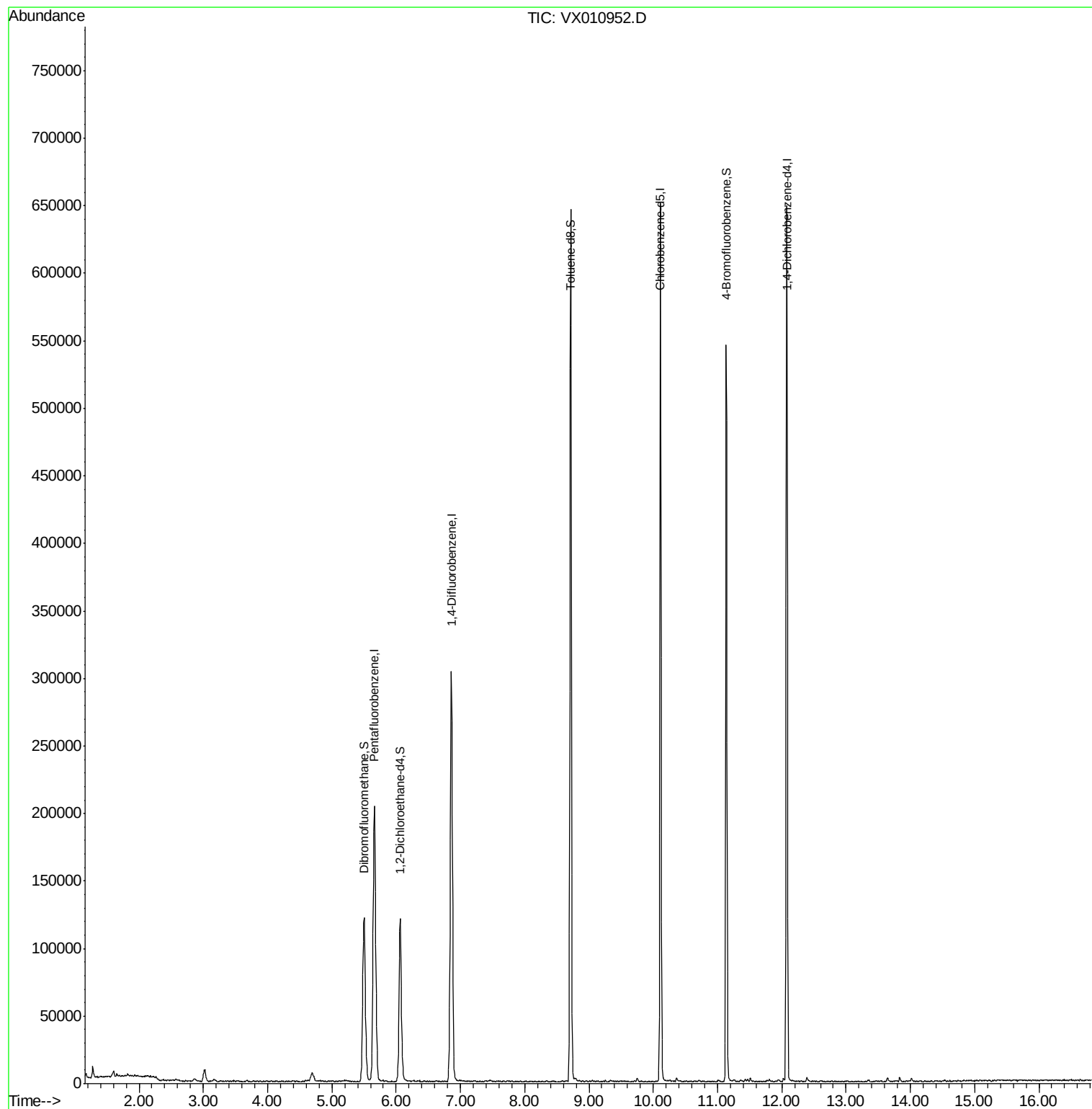
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

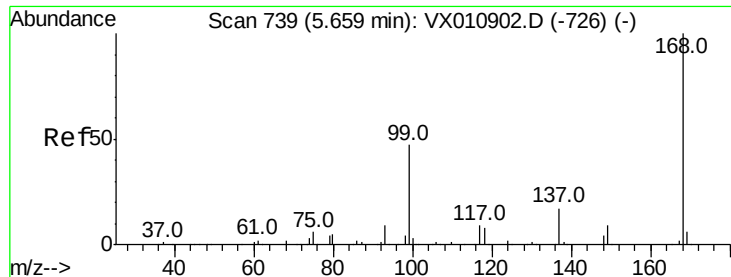
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jul 17 06:57:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX010952.D

Acq: 18 Jul 2019 12:39

Instrument :

MSVOA\_X

ClientSampled :

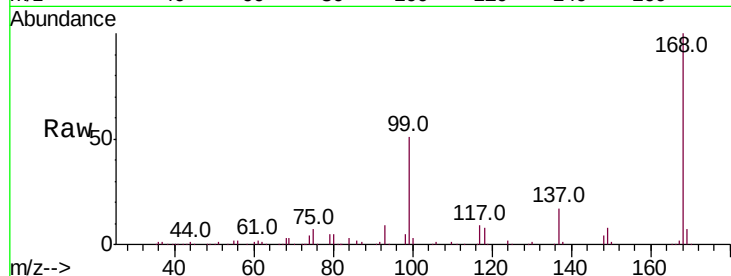
TB-3

Tot Ion:168 Resp: 206950

Ion Ratio Lower Upper

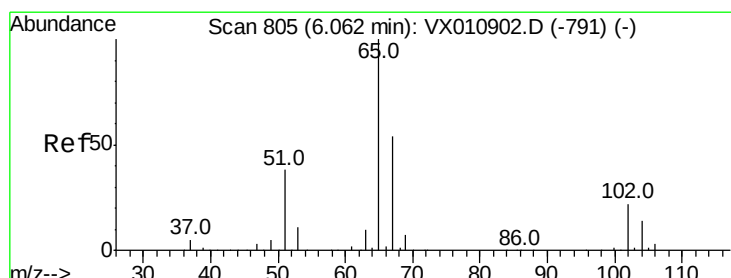
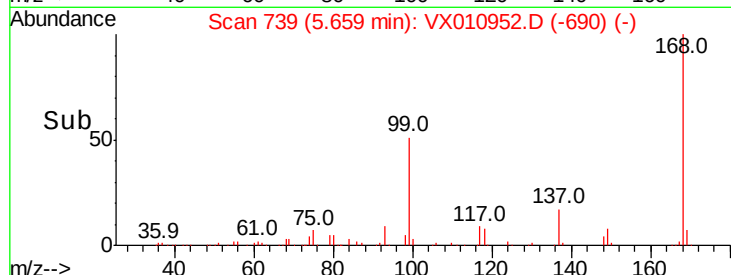
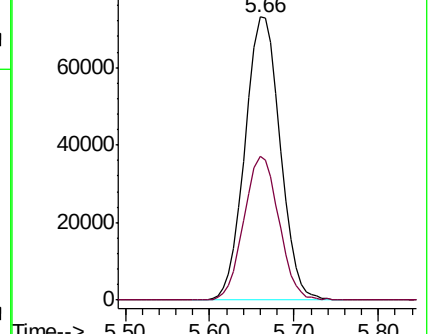
168 100

99 50.7 37.6 56.4



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: 50.356 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010952.D

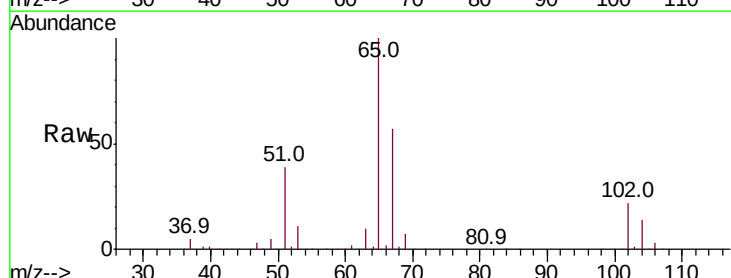
Acq: 18 Jul 2019 12:39

Tgt Ion: 65 Resp: 110865

Ion Ratio Lower Upper

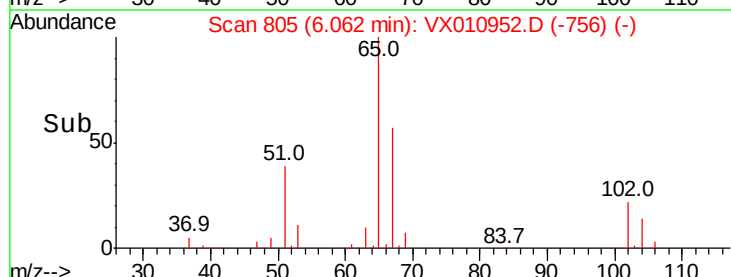
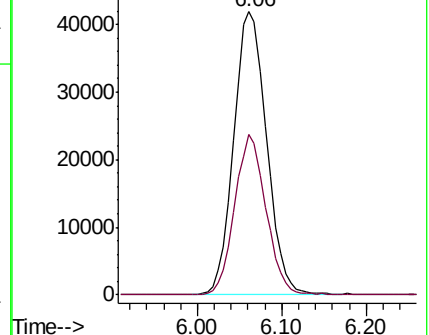
65 100

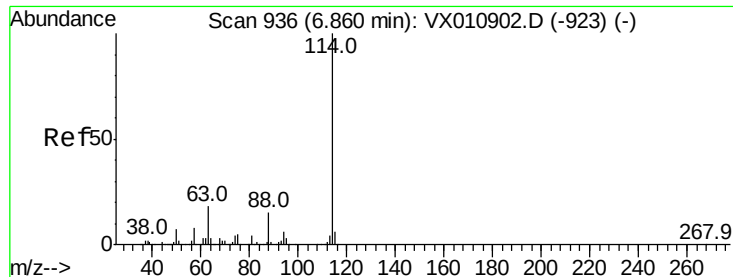
67 53.9 0.0 107.8



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010952.D

Acq: 18 Jul 2019 12:39

Instrument :

MSVOA\_X

ClientSampleId :

TB-3

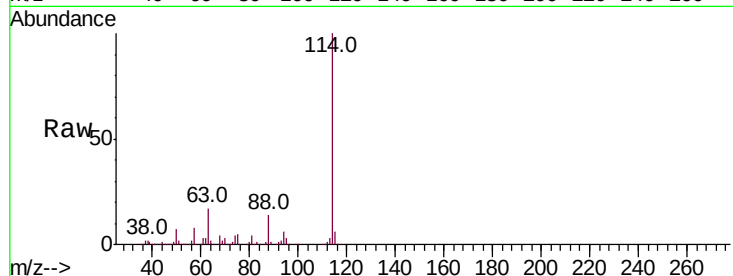
Tot Ion:114 Resp: 327519

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.6

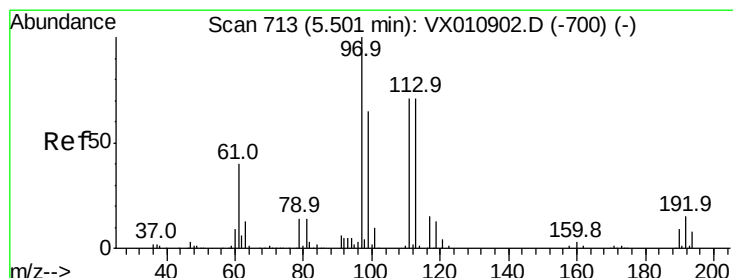
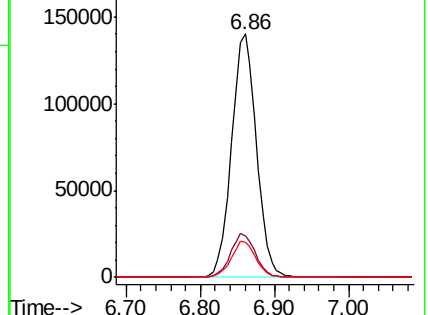
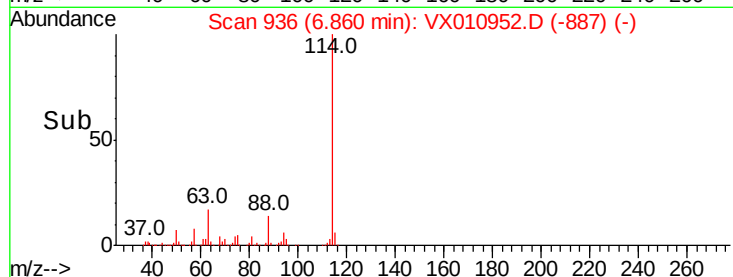
88 14.2 0.0 29.8



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: 49.644 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010952.D

Acq: 18 Jul 2019 12:39

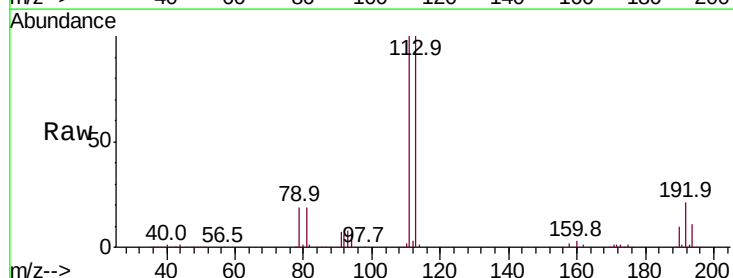
Tgt Ion:113 Resp: 103202

Ion Ratio Lower Upper

113 100

111 101.4 82.3 123.5

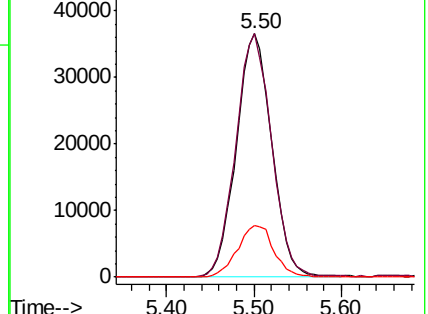
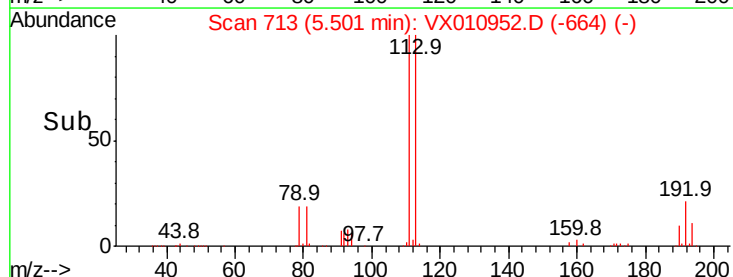
192 21.5 17.4 26.2

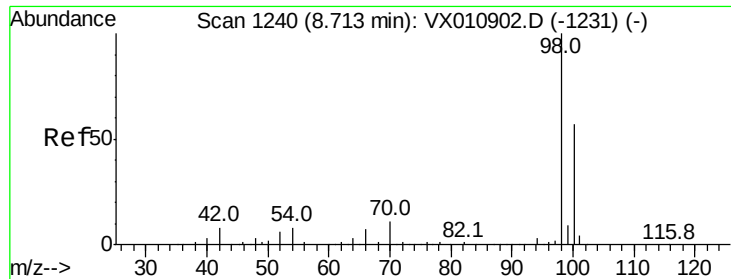


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

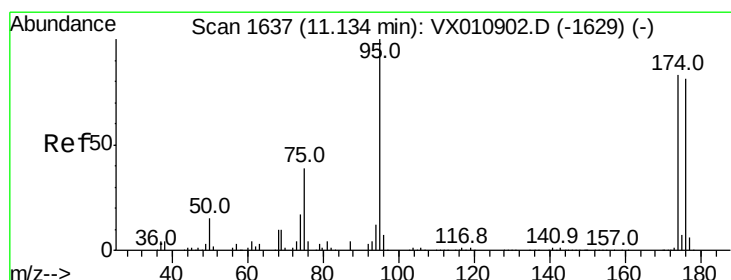
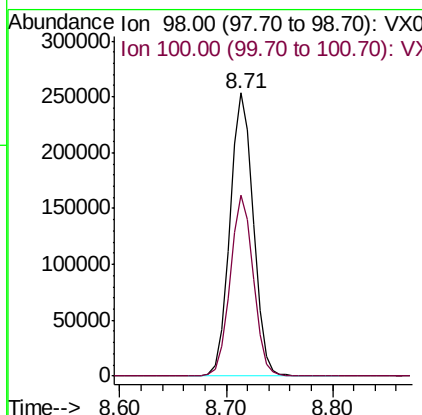
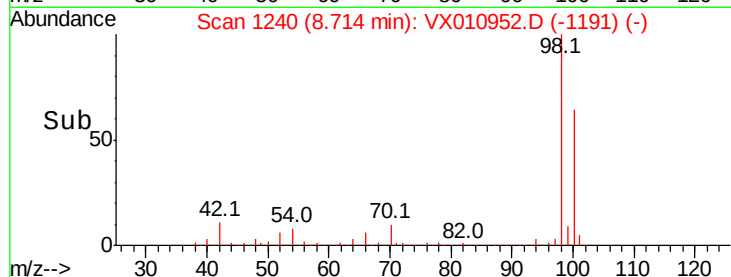
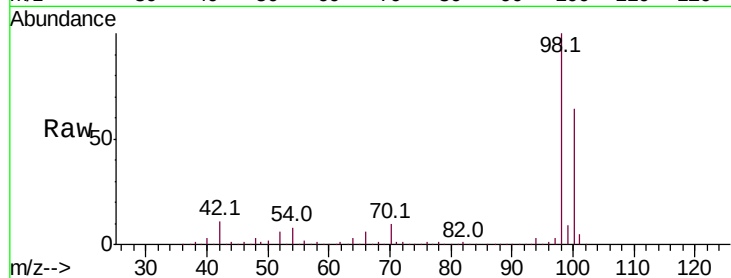




#50  
Toluene-d8  
Concen: 50.246 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010952.D  
Acq: 18 Jul 2019 12:39

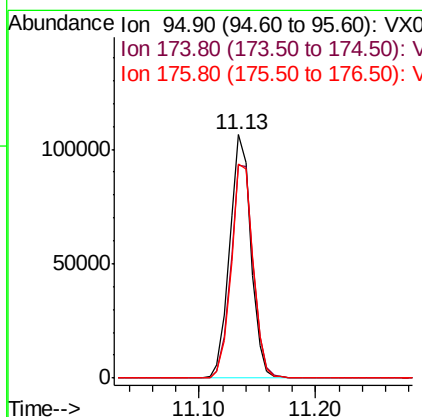
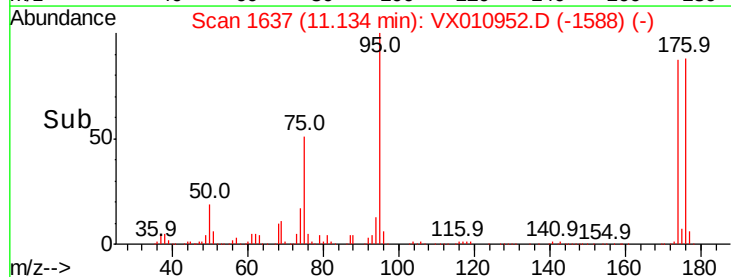
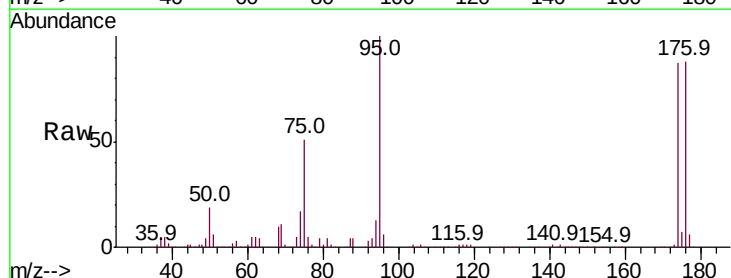
Instrument :  
MSVOA\_X  
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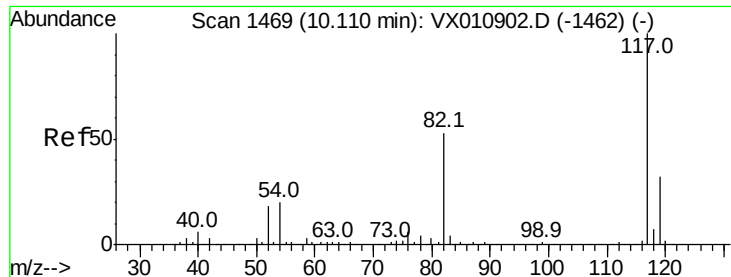
Tot Ion: 98 Resp: 391767  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.6 75.8



#62  
4-Bromofluorobenzene  
Concen: 47.320 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010952.D  
Acq: 18 Jul 2019 12:39

Tgt Ion: 95 Resp: 135614  
Ion Ratio Lower Upper  
95 100  
174 91.4 0.0 180.6  
176 89.9 0.0 173.8

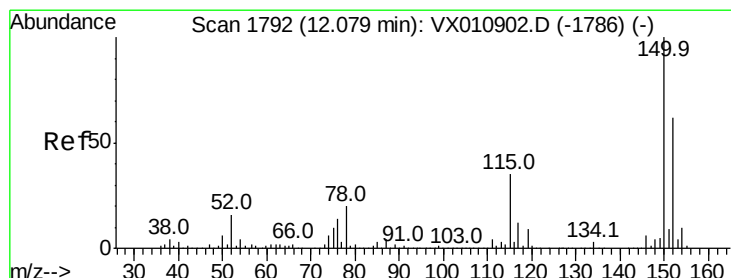
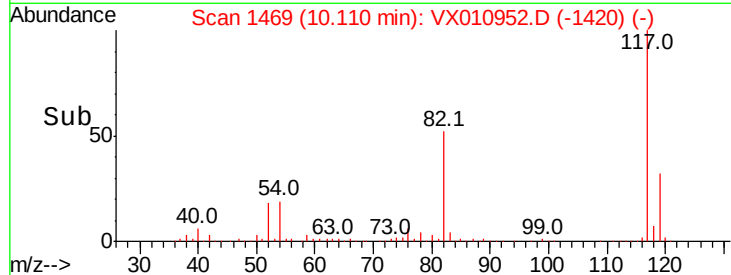
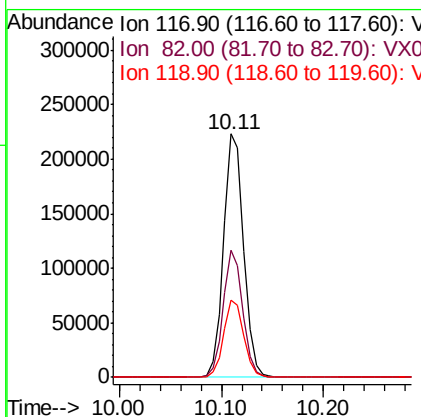
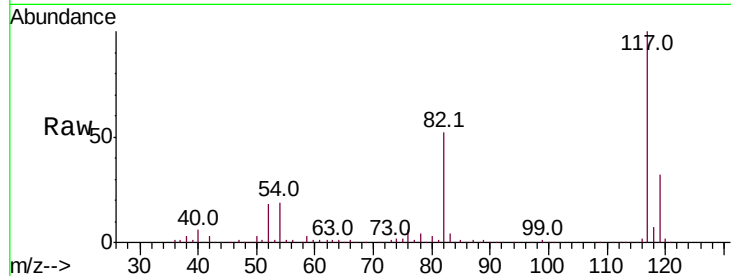




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.11 min Scan# 1469  
 Delta R.T. 0.00 min  
 Lab File: VX010952.D  
 Acq: 18 Jul 2019 12:39

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TB-3

|             |       |        |
|-------------|-------|--------|
| Tot Ion:117 | Resp: | 303467 |
| Ion Ratio   | Lower | Upper  |
| 117 100     |       |        |
| 82 52.3     | 42.6  | 63.8   |
| 119 31.9    | 25.9  | 38.9   |



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX010952.D  
 Acq: 18 Jul 2019 12:39

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:152 | Resp: | 142380 |
| Ion Ratio   | Lower | Upper  |
| 152 100     |       |        |
| 115 54.0    | 39.7  | 119.1  |
| 150 154.1   | 0.0   | 345.6  |

