

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
 Data File : VX010836.D  
 Acq On : 12 Jul 2019 15:16  
 Operator : JC/SP  
 Sample : K3782-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-0539-190711

Quant Time: Jul 13 03:47:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

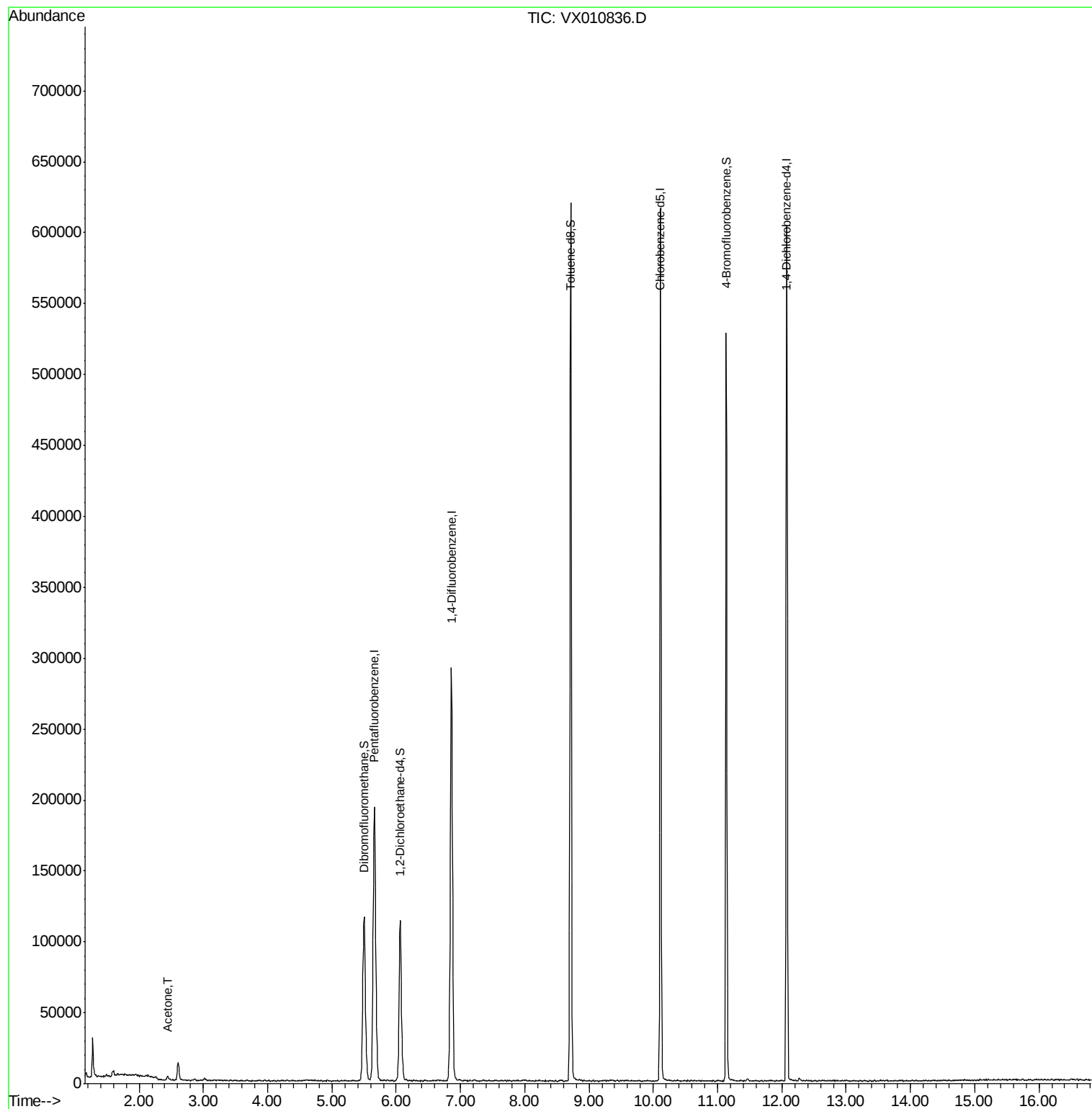
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 197872   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 312161   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 291127   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 132979   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 102851   | 55.44 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.88% |           |
| 35) Dibromofluoromethane    | 5.50  | 113  | 96507    | 50.53 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.06% |           |
| 50) Toluene-d8              | 8.71  | 98   | 369756   | 50.60 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.20% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 127625   | 48.38 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.76%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.44  | 43   | 3849     | 4.140 | ug/l    | Qvalue 90 |

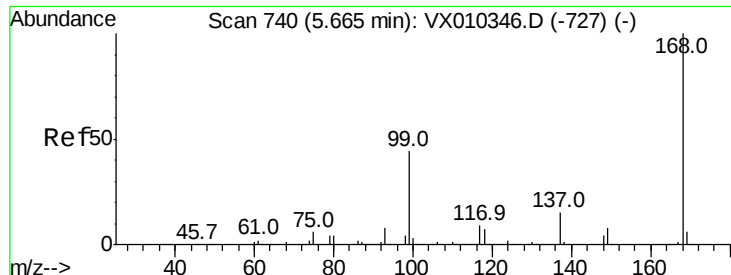
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
Data File : VX010836.D  
Acq On : 12 Jul 2019 15:16  
Operator : JC/SP  
Sample : K3782-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0539-190711

Quant Time: Jul 13 03:47:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010836.D

Acq: 12 Jul 2019 15:16

Instrument :

MSVOA\_X

ClientSampleId :

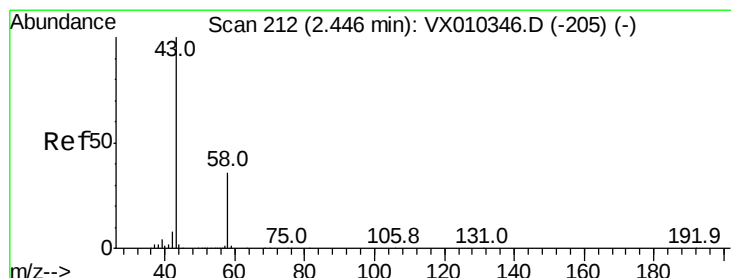
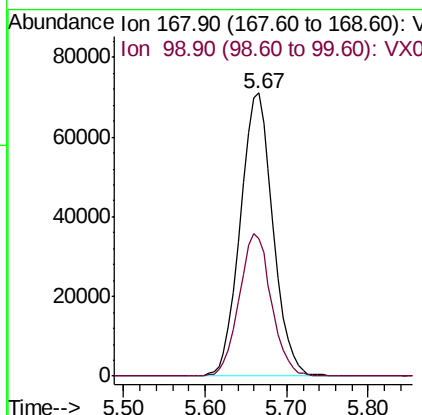
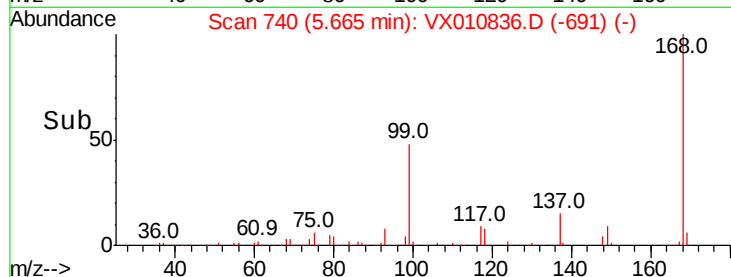
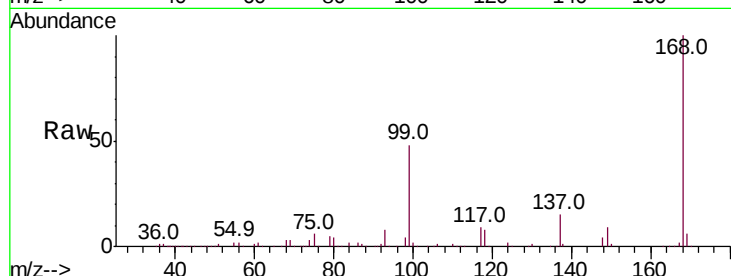
DUP-0539-190711

Tot Ion:168 Resp: 197872

Ion Ratio Lower Upper

168 100

99 48.5 35.5 53.3



#16

Acetone

Concen: 4.140 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010836.D

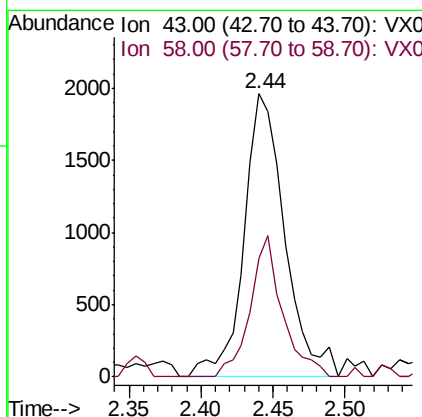
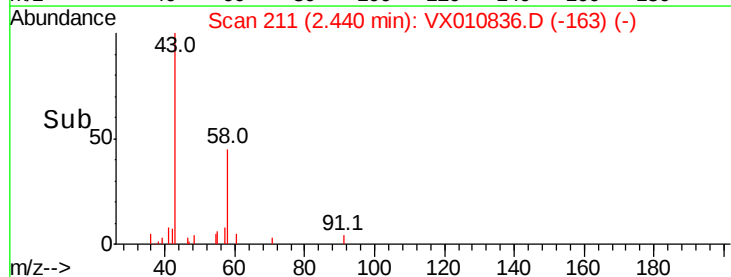
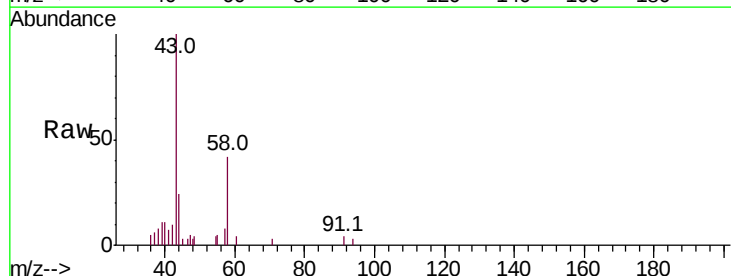
Acq: 12 Jul 2019 15:16

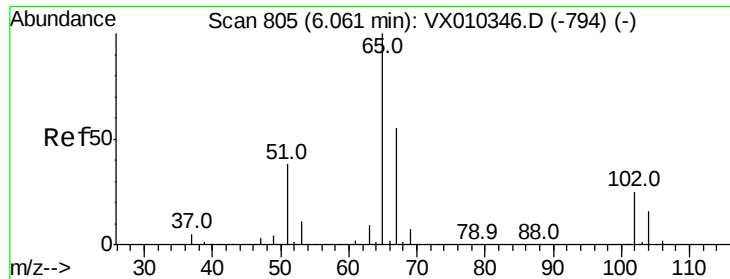
Tgt Ion: 43 Resp: 3849

Ion Ratio Lower Upper

43 100

58 41.7 28.9 43.3





#33

1,2-Dichloroethane-d4

Concen: 55.438 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010836.D

Acq: 12 Jul 2019 15:16

Instrument :

MSVOA\_X

ClientSampleId :

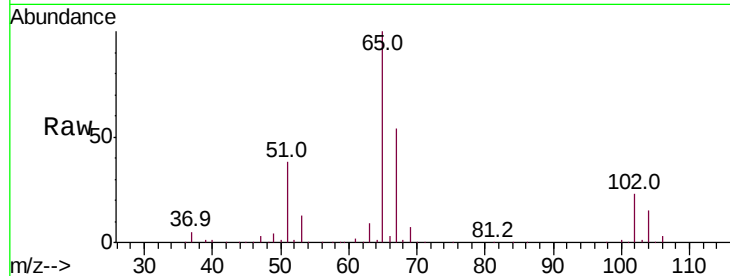
DUP-0539-190711

Tot Ion: 65 Resp: 102851

Ion Ratio Lower Upper

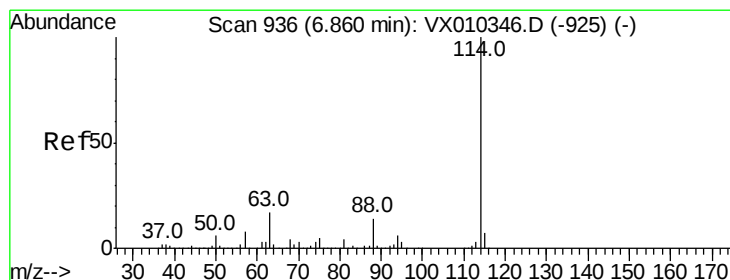
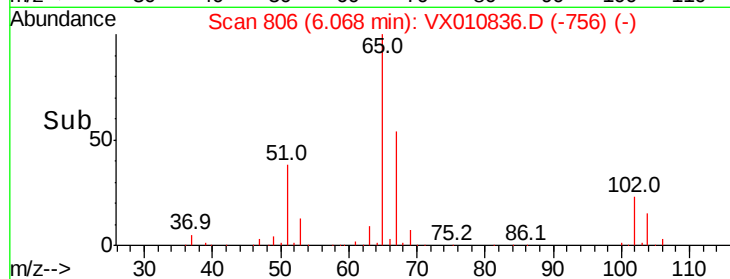
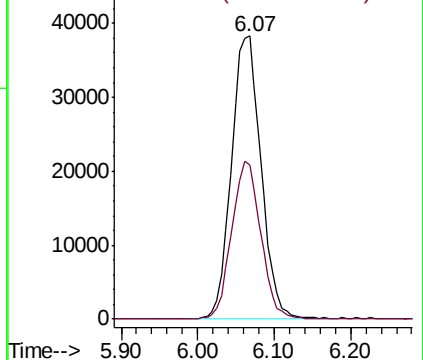
65 100

67 54.7 0.0 110.2



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: VX010836.D

Acq: 12 Jul 2019 15:16

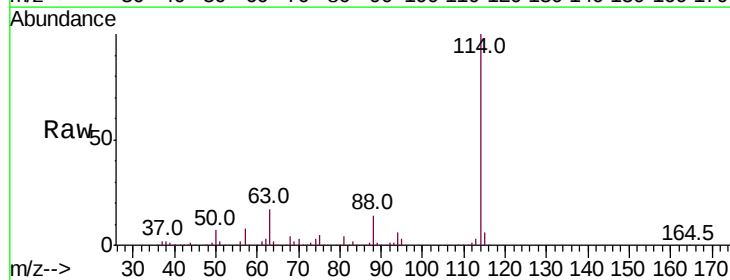
Tgt Ion: 114 Resp: 312161

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

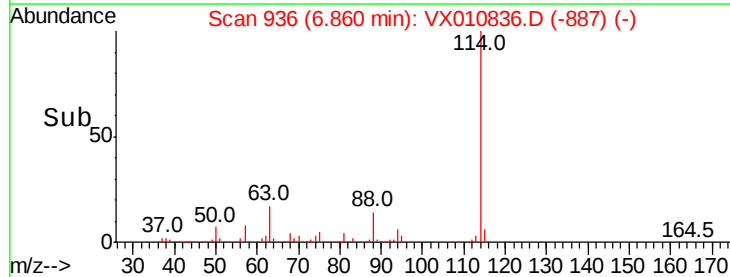
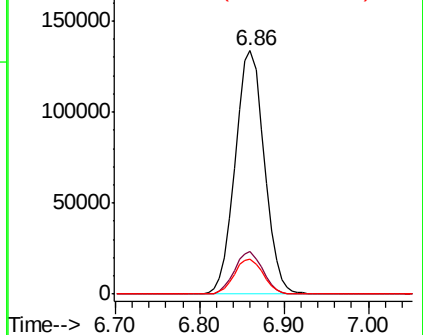
88 14.2 0.0 27.6

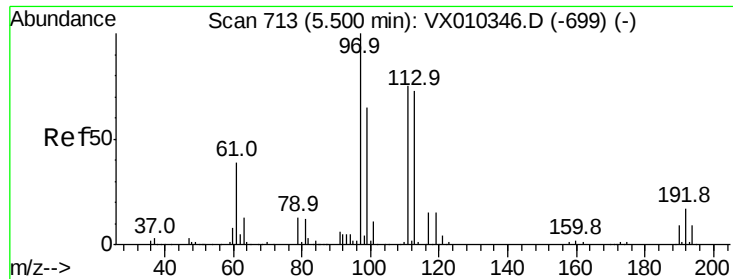


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

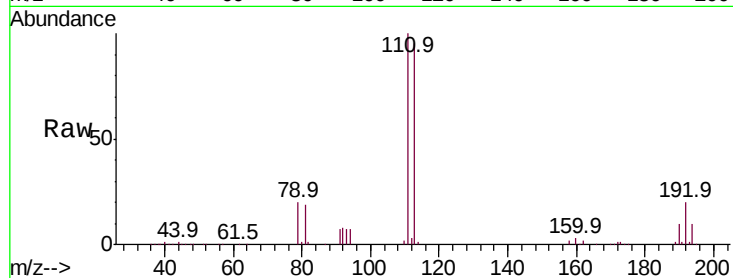




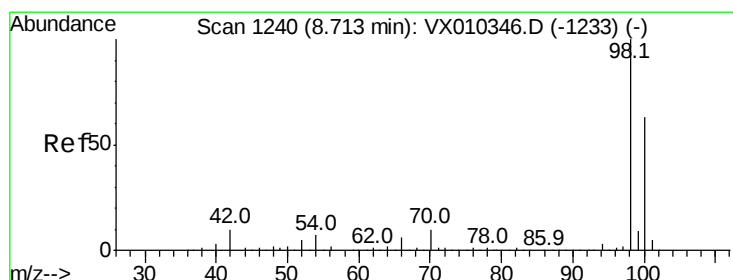
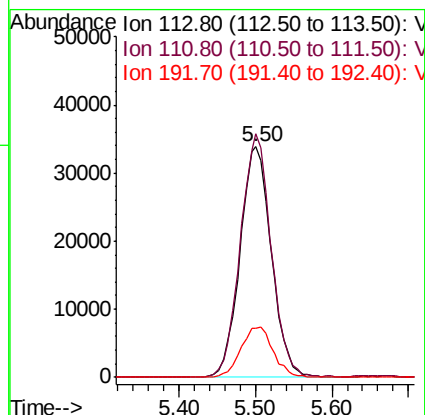
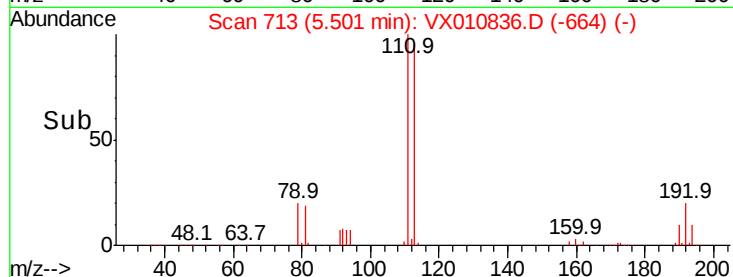
#35  
 Dibromofluoromethane  
 Concen: 50.529 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010836.D  
 Acq: 12 Jul 2019 15:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-0539-190711

Tot Ion:113 Resp: 96507  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 81.2 121.8  
 192 22.4 18.6 27.8

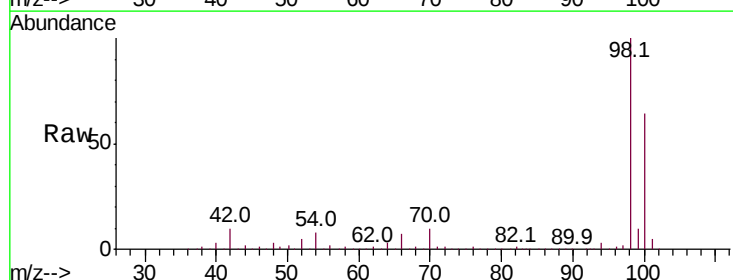


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

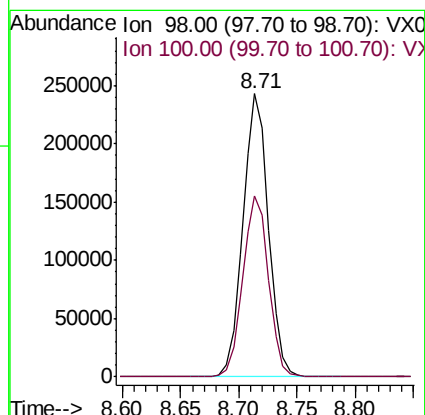
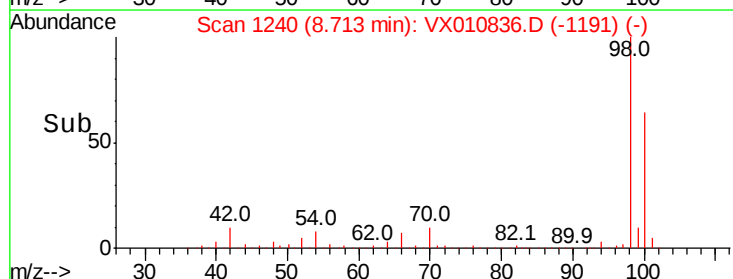


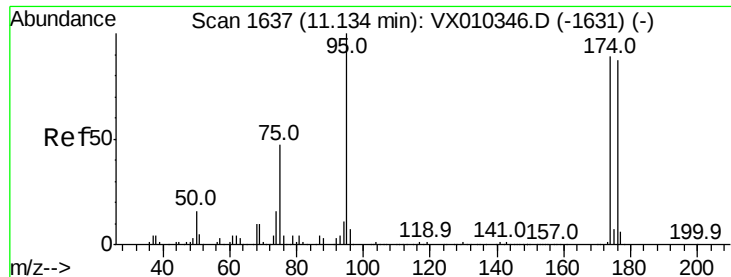
#50  
 Toluene-d8  
 Concen: 50.603 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX010836.D  
 Acq: 12 Jul 2019 15:16

Tgt Ion: 98 Resp: 369756  
 Ion Ratio Lower Upper  
 98 100  
 100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): V

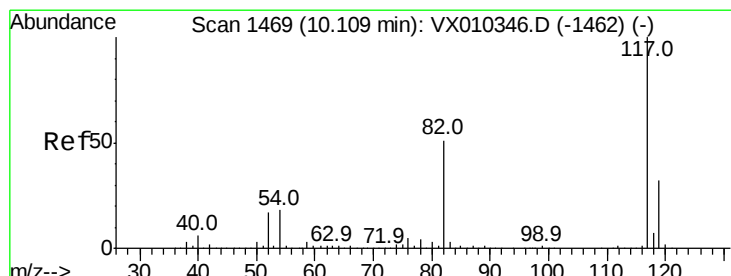
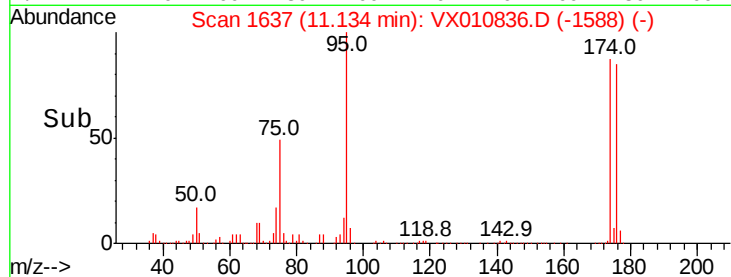
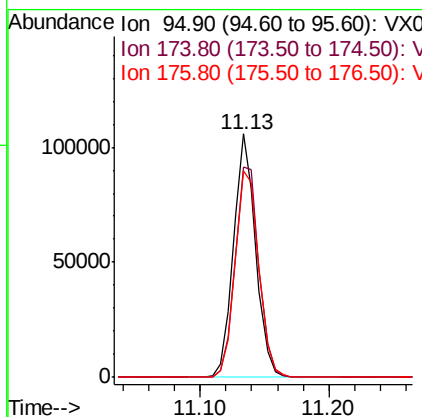
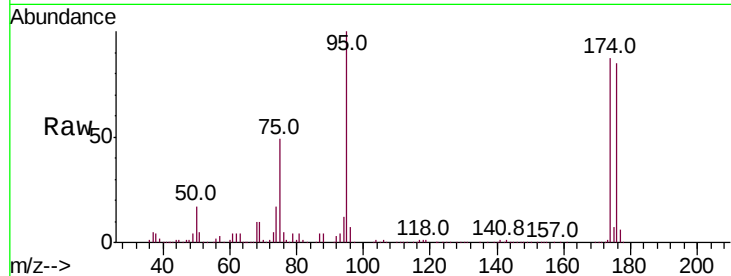




#62  
4-Bromofluorobenzene  
Concen: 48.379 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010836.D  
Acq: 12 Jul 2019 15:16

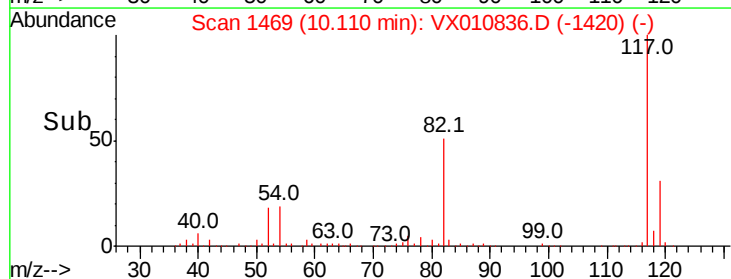
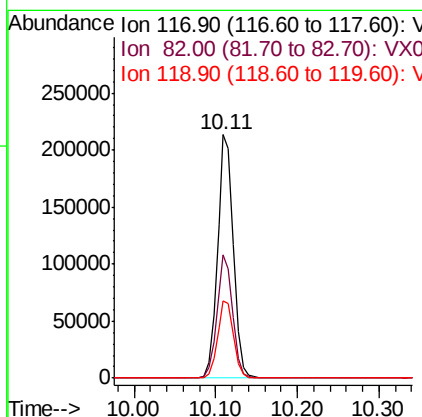
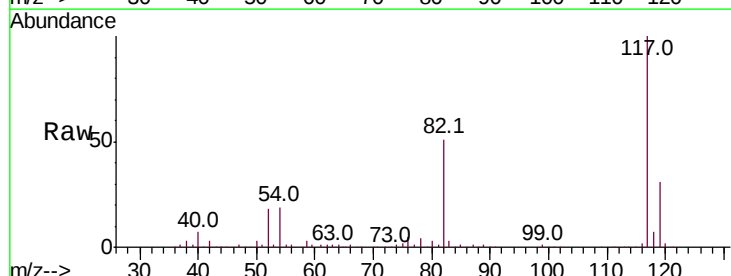
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0539-190711

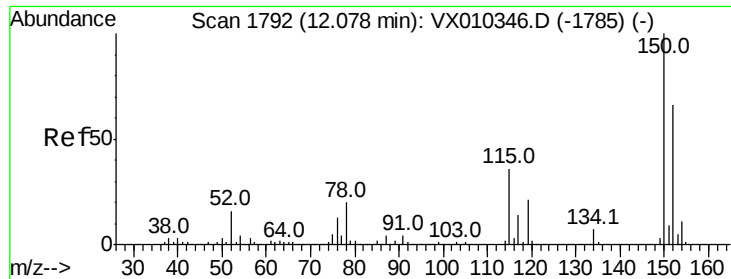
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 92.7  | 0.0   | 187.6 |
| 176     | 90.4  | 0.0   | 184.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010836.D  
Acq: 12 Jul 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.6  | 41.2  | 61.8  |
| 119     | 31.5  | 25.5  | 38.3  |

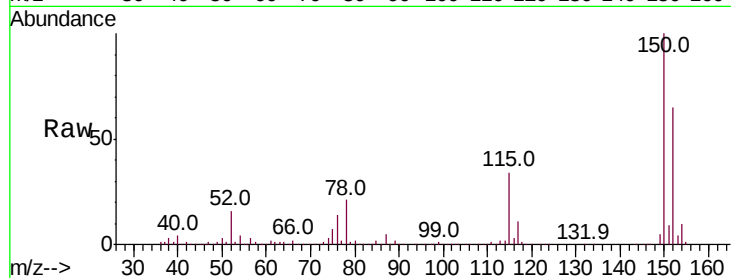




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX010836.D  
 Acq: 12 Jul 2019 15:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-0539-190711

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 38.6  | 115.7 |
| 150     | 156.7 | 0.0   | 347.4 |



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

