

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\  
 Data File : VX011770.D  
 Acq On : 22 Aug 2019 18:29  
 Operator : JC/SP  
 Sample : K4388-39  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T6-E3-(0)

Quant Time: Aug 23 03:22:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082219W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 23 01:48:12 2019  
 Response via : Initial Calibration

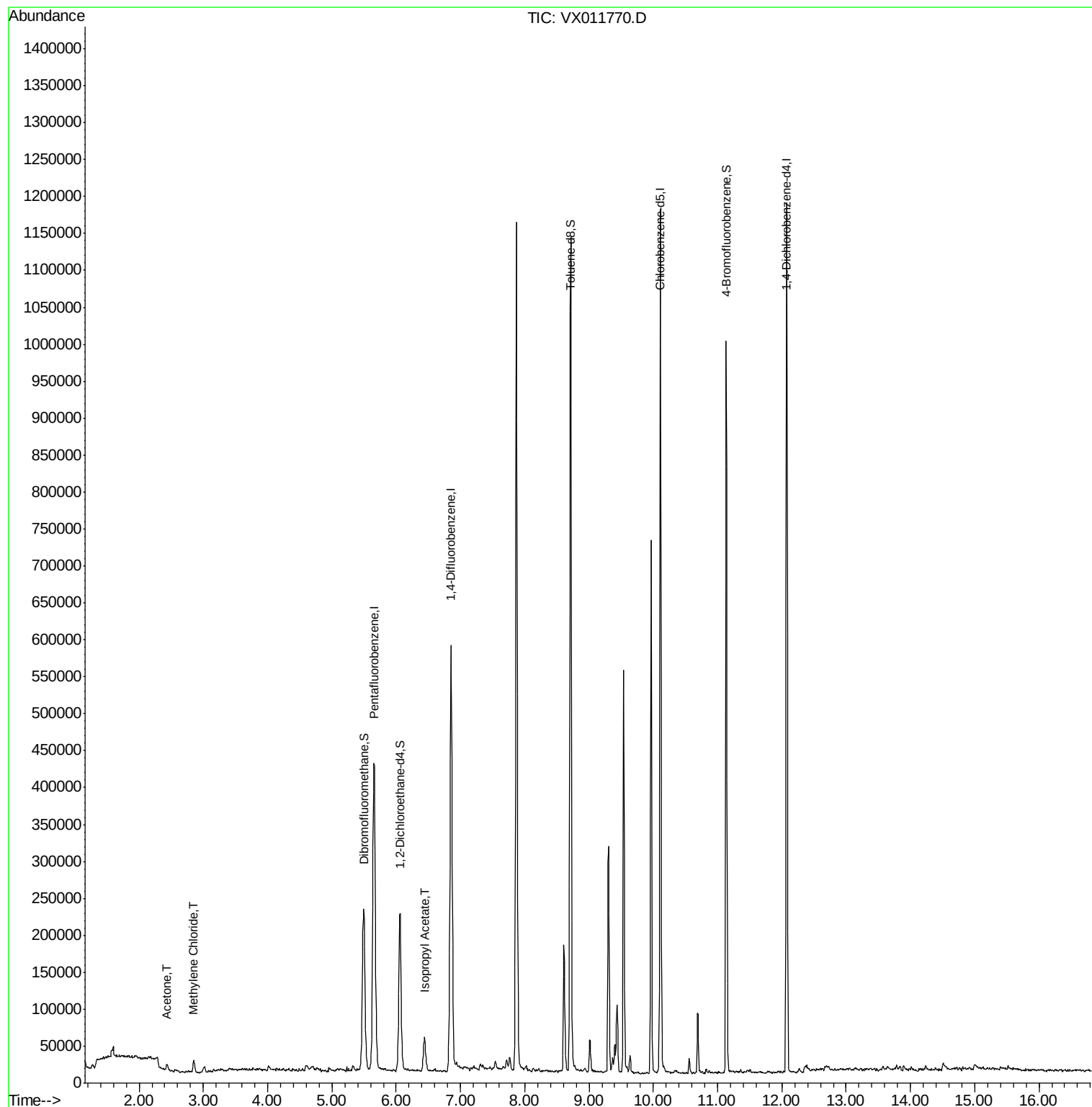
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 455211   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 623350   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 564229   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 273462   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 208064   | 45.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.00%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 184434   | 45.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.52%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 704751   | 50.13 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.26% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 245030   | 44.09 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.18%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.43  | 43   | 9997     | 5.026 | ug/l    | 90       |
| 20) Methylene Chloride      | 2.85  | 84   | 8663     | 2.130 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 6.44  | 43   | 63257    | 7.555 | ug/l    | 97       |

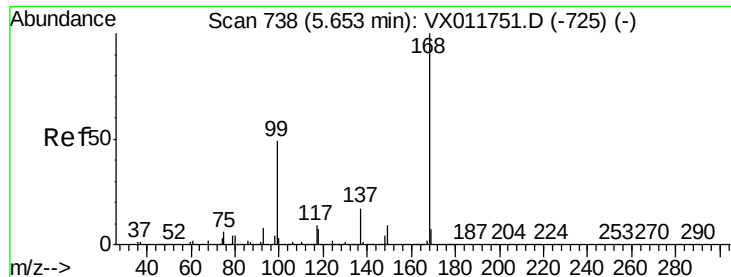
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
T6-E3-(0)

Quant Time: Aug 23 03:22:22 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082219W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 23 01:48:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

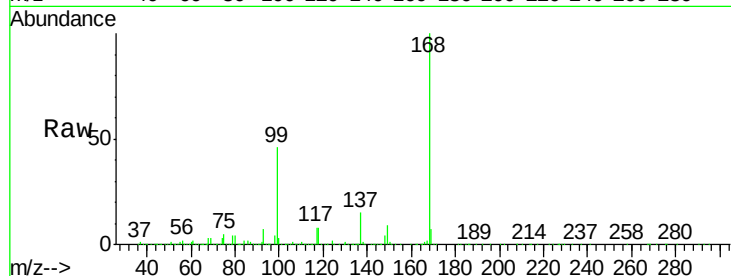
T6-E3-(0)

Tot Ion:168 Resp: 455211

Ion Ratio Lower Upper

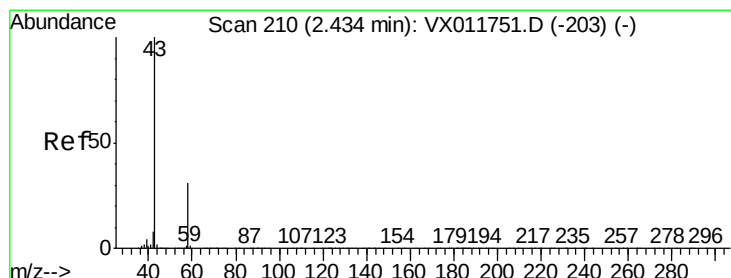
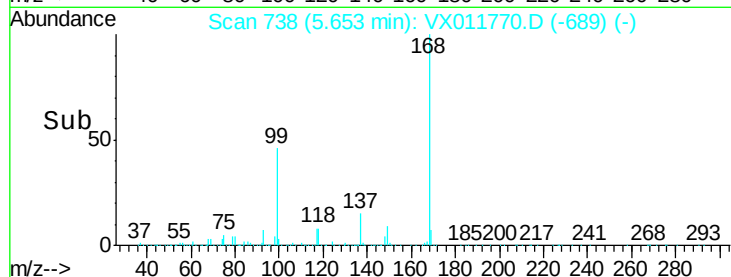
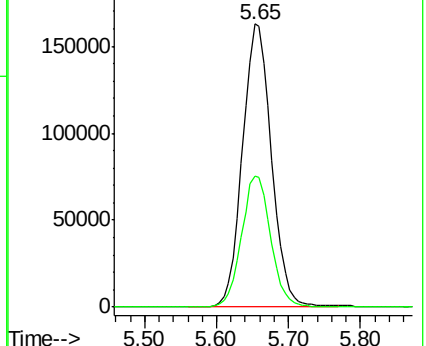
168 100

99 46.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.026 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011770.D

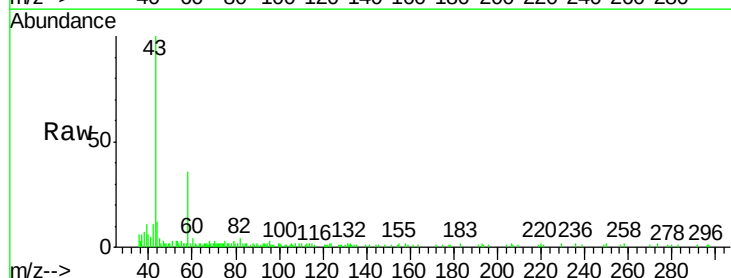
Acq: 22 Aug 2019 18:29

Tgt Ion: 43 Resp: 9997

Ion Ratio Lower Upper

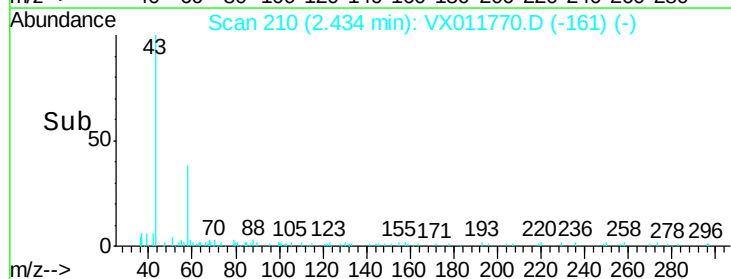
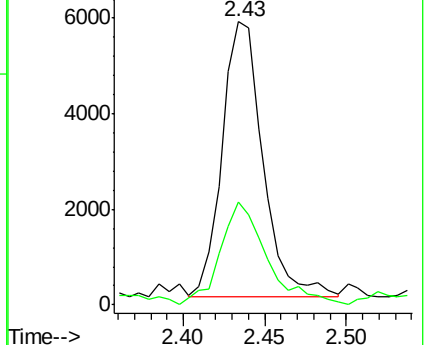
43 100

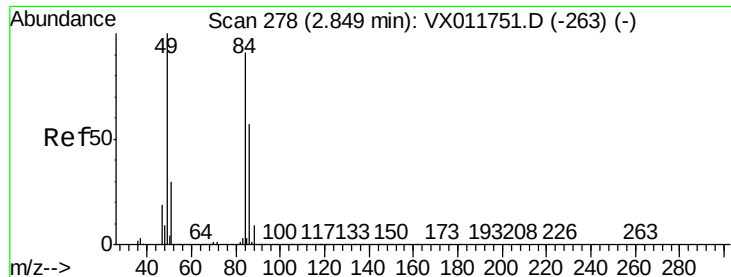
58 36.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

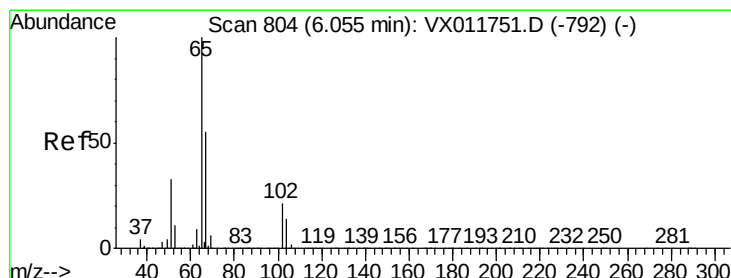
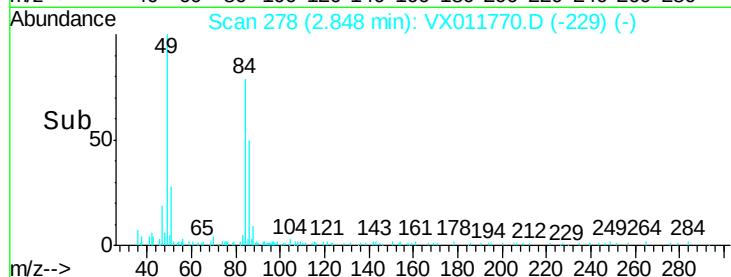
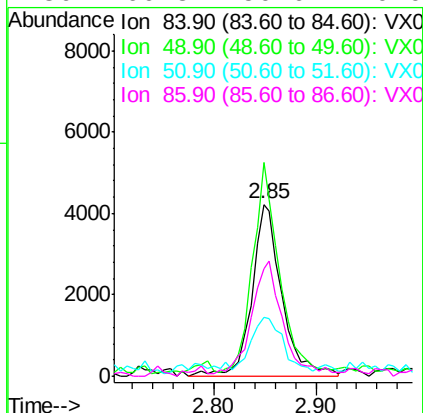
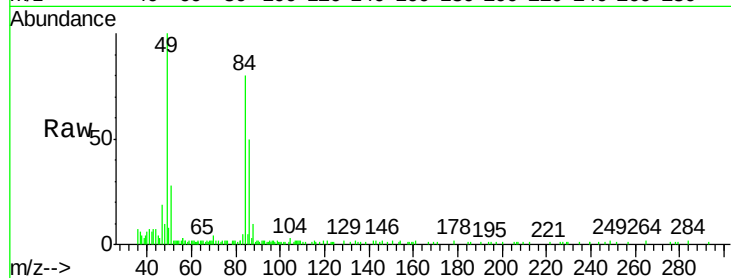




#20  
Methylene Chloride  
Concen: 2.130 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. -0.00 min  
Lab File: VX011770.D  
Acq: 22 Aug 2019 18:29

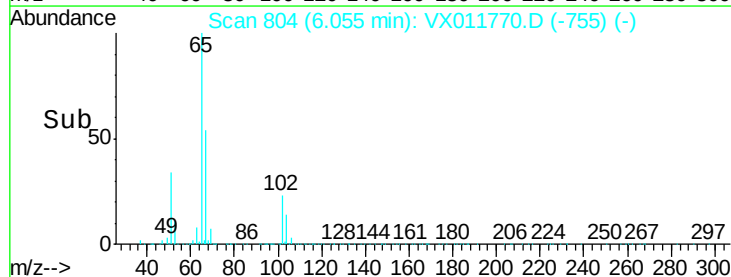
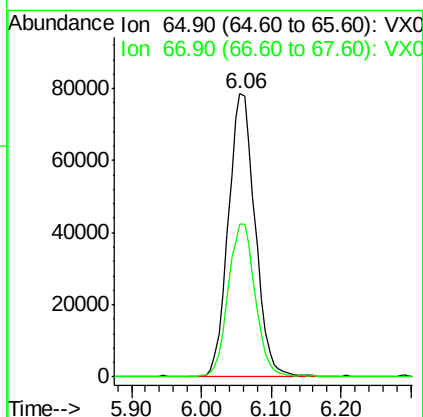
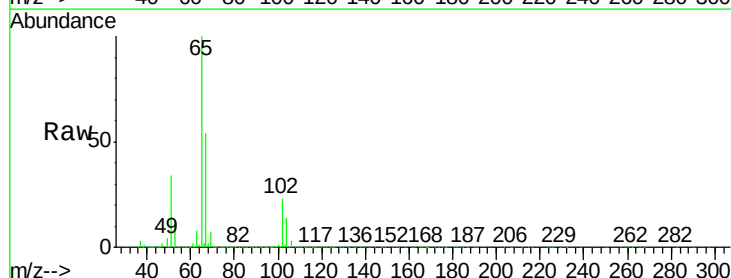
Instrument :  
MSVOA\_X  
ClientSampleId :  
T6-E3-(0)

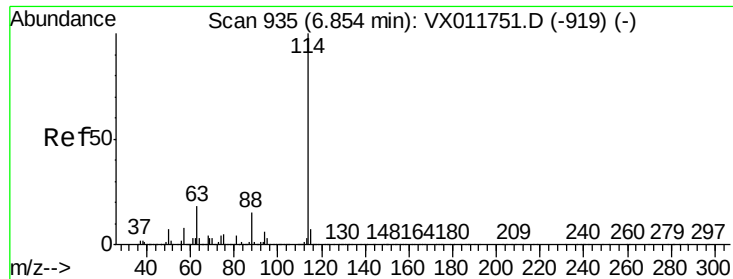
Tot Ion: 84 Resp: 8663  
Ion Ratio Lower Upper  
84 100  
49 117.8 88.3 132.5  
51 31.5 26.2 39.2  
86 60.3 50.6 76.0



#33  
1,2-Dichloroethane-d4  
Concen: 45.500 ug/l  
RT: 6.06 min Scan# 804  
Delta R.T. -0.00 min  
Lab File: VX011770.D  
Acq: 22 Aug 2019 18:29

Tgt Ion: 65 Resp: 208064  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 107.8

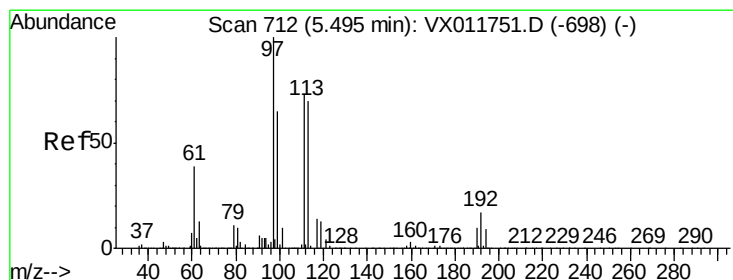
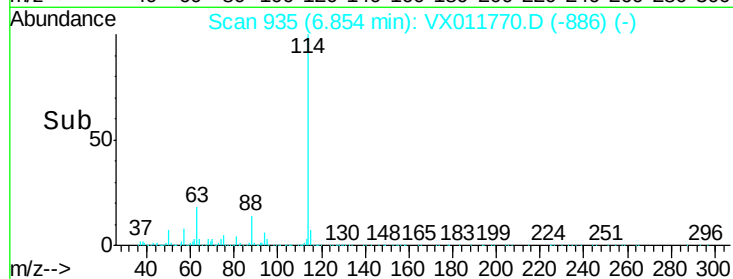
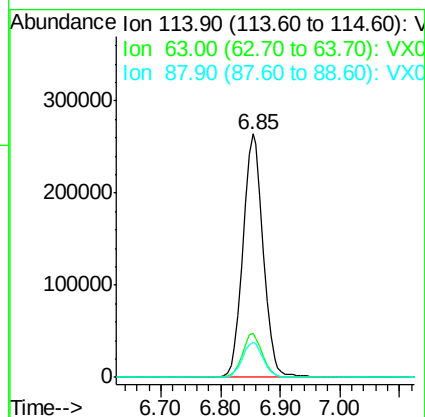
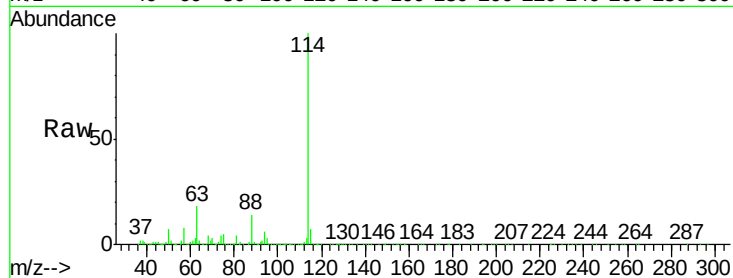




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. -0.00 min  
 Lab File: VX011770.D  
 Acq: 22 Aug 2019 18:29

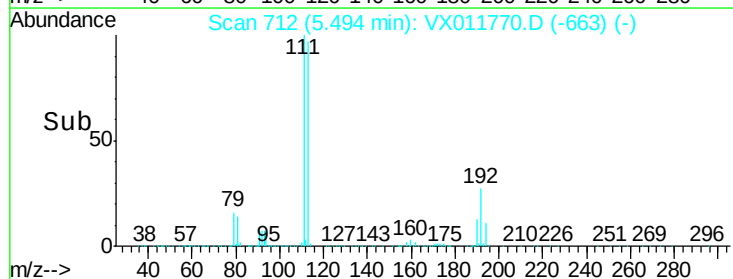
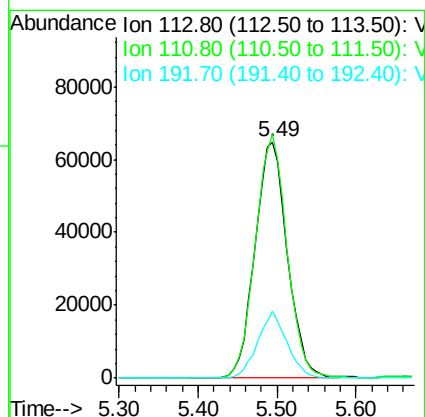
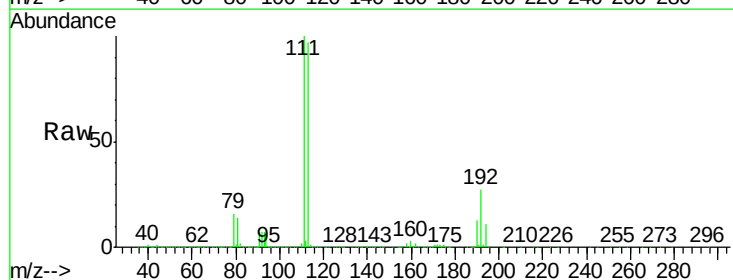
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T6-E3-(0)

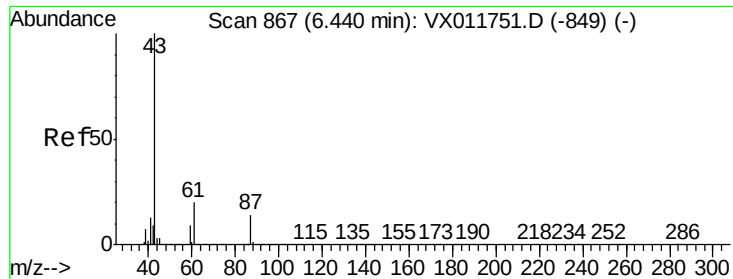
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 114   | Resp: | 623350 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 17.9  | 0.0   | 36.8   |
| 88       | 14.5  | 0.0   | 30.2   |



#35  
 Dibromofluoromethane  
 Concen: 45.756 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. -0.00 min  
 Lab File: VX011770.D  
 Acq: 22 Aug 2019 18:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 184434 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.1 | 81.0  | 121.4  |
| 192      | 25.9  | 19.9  | 29.9   |





#43

Isopropyl Acetate

Concen: 7.555 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

T6-E3-(0)

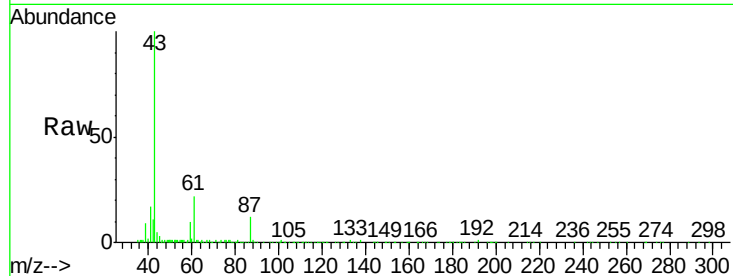
Tot Ion: 43 Resp: 63257

Ion Ratio Lower Upper

43 100

61 21.9 16.2 24.2

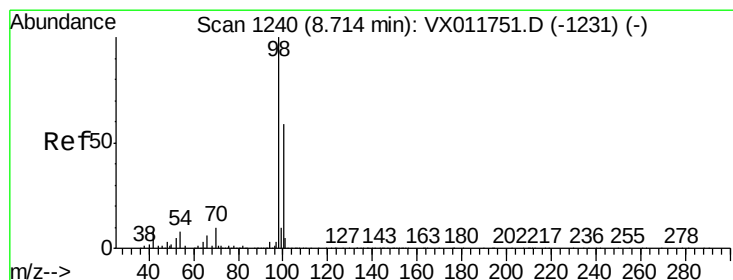
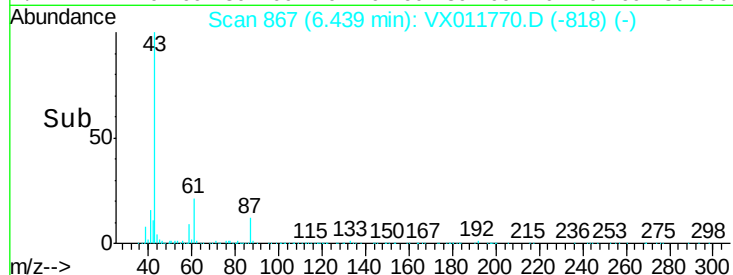
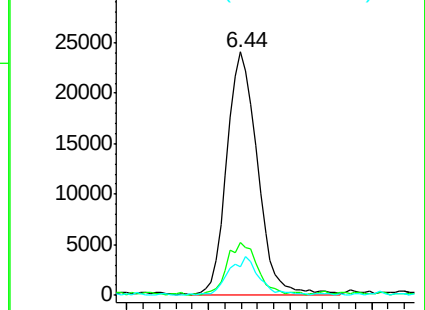
87 15.7 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 50.126 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011770.D

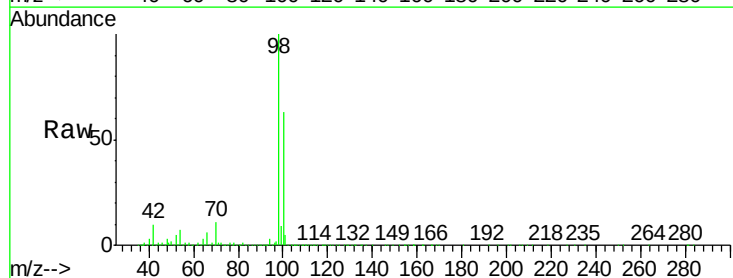
Acq: 22 Aug 2019 18:29

Tgt Ion: 98 Resp: 704751

Ion Ratio Lower Upper

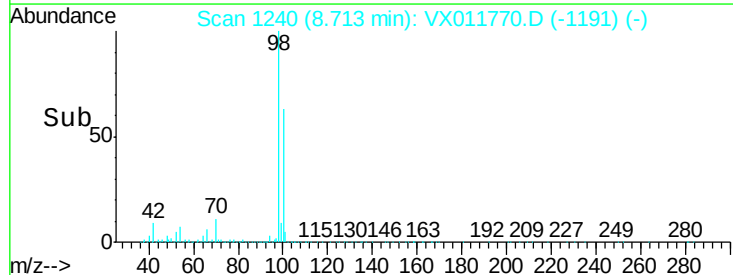
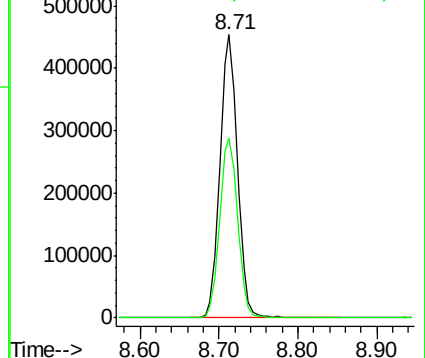
98 100

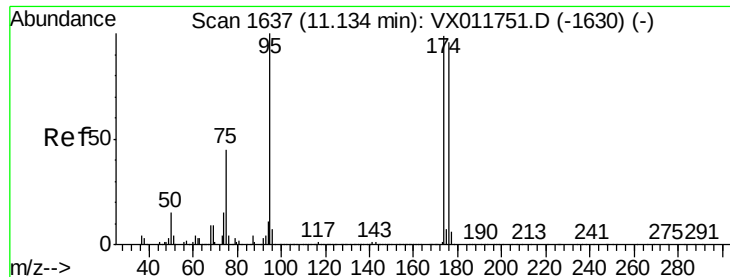
100 64.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

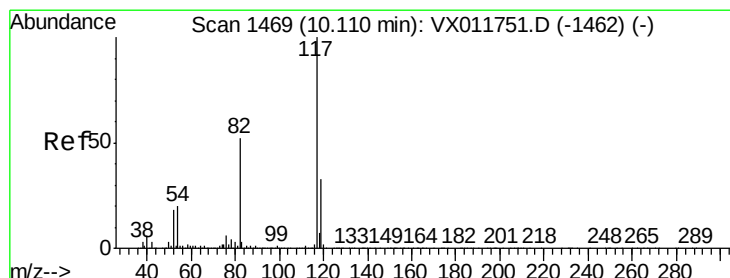
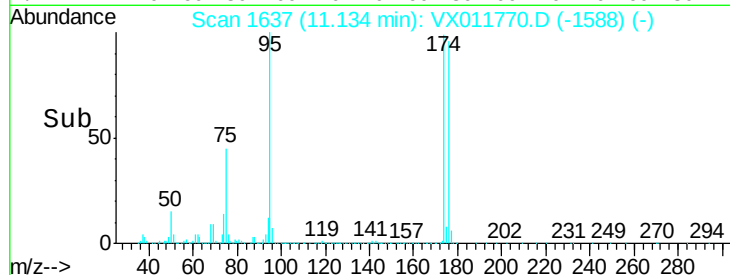
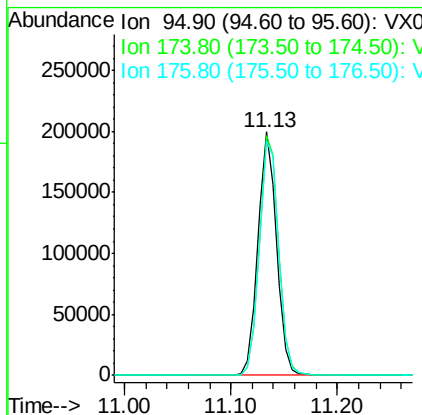
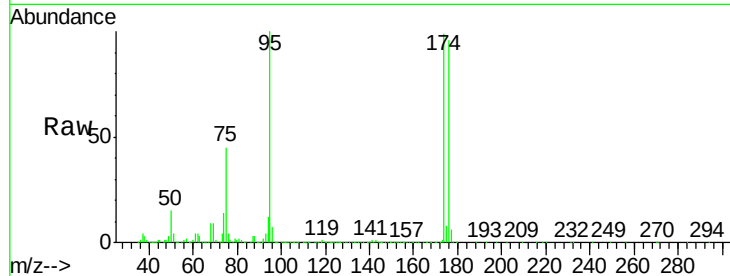




#62  
4-Bromofluorobenzene  
Concen: 44.092 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX011770.D  
Acq: 22 Aug 2019 18:29

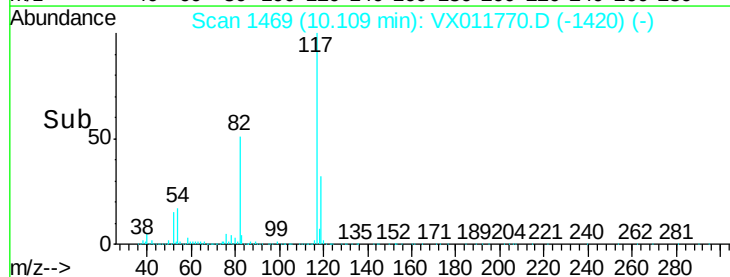
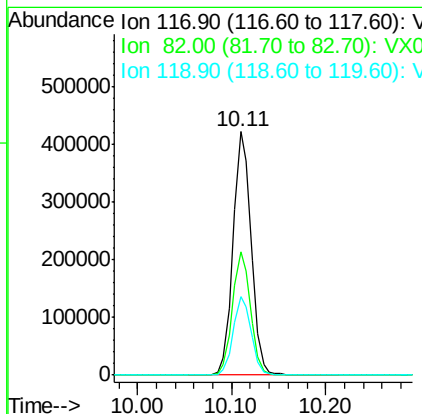
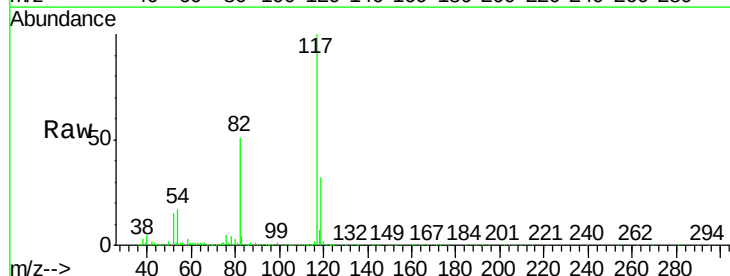
Instrument :  
MSVOA\_X  
ClientSampled :  
T6-E3-(0)

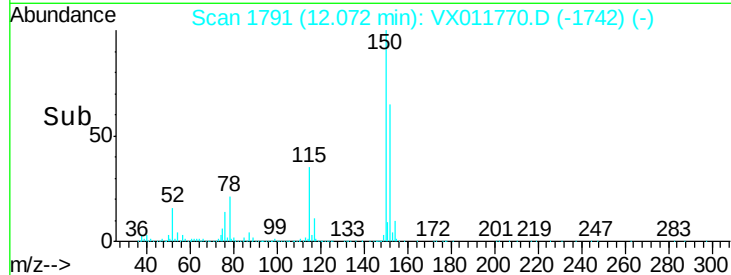
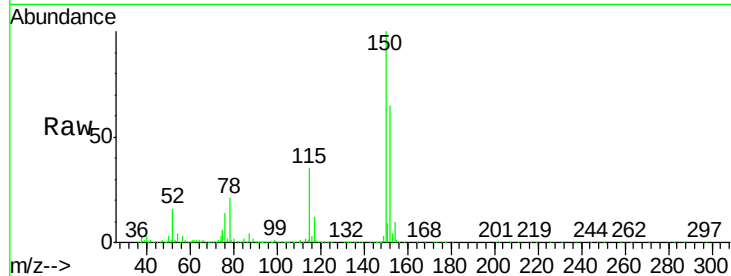
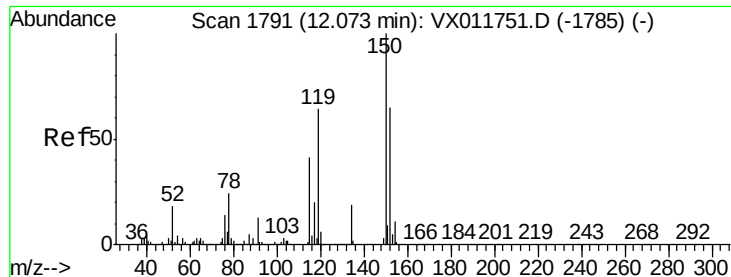
Tot Ion: 95 Resp: 245030  
Ion Ratio Lower Upper  
95 100  
174 101.9 0.0 197.4  
176 100.0 0.0 194.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX011770.D  
Acq: 22 Aug 2019 18:29

Tgt Ion: 117 Resp: 564229  
Ion Ratio Lower Upper  
117 100  
82 50.7 41.7 62.5  
119 32.4 26.2 39.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1791  
 Delta R.T. -0.00 min  
 Lab File: VX011770.D  
 Acq: 22 Aug 2019 18:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T6-E3-(0)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 273462 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 52.1  | 37.3  | 111.8  |
| 150       | 154.4 | 0.0   | 343.0  |

