

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082419\  
 Data File : VX011826.D  
 Acq On : 24 Aug 2019 18:12  
 Operator : JC/SP  
 Sample : K4474-26  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T1-2-F3-(2.5)

Quant Time: Aug 26 04:39:50 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

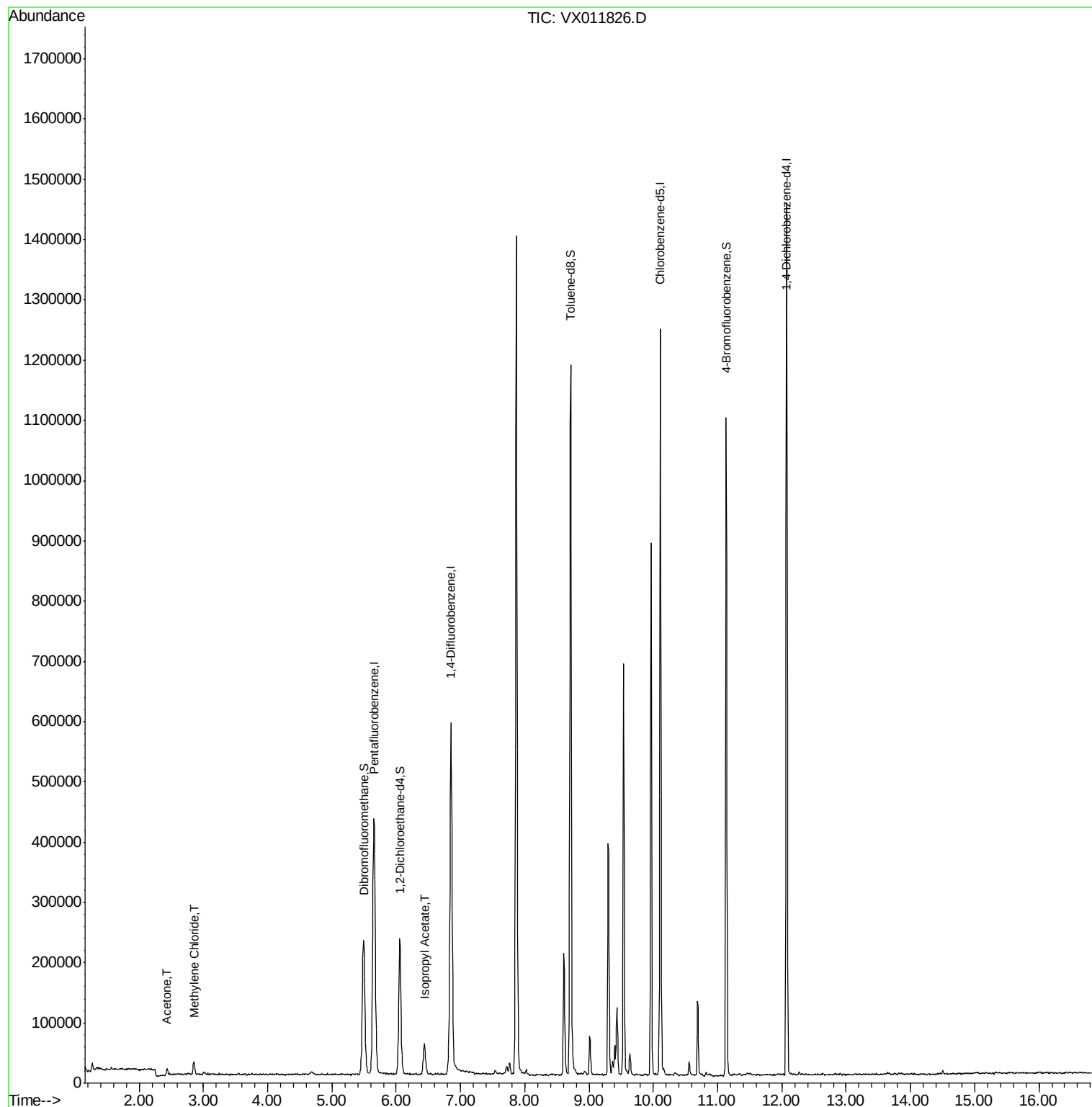
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 468919   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 639982   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 596202   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 328856   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 213727   | 45.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.74%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 189208   | 45.72 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.44%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 732134   | 50.72 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.44% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 268578   | 47.07 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.14%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.43  | 43   | 11091    | 5.413 | ug/l    | 91       |
| 20) Methylene Chloride      | 2.85  | 84   | 10797    | 2.577 | ug/l    | 96       |
| 43) Isopropyl Acetate       | 6.44  | 43   | 71855    | 8.359 | ug/l    | 99       |

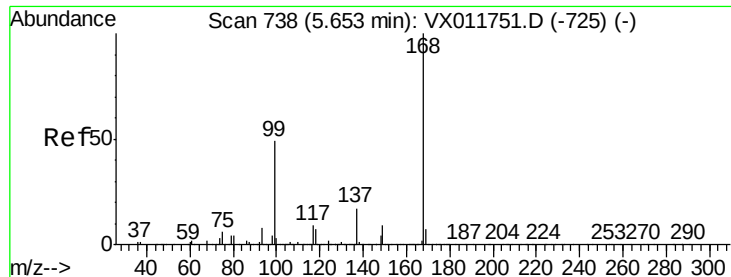
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082419\  
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MSVOA\_X  
ClientSampled :  
T1-2-F3-(2.5)

Quant Time: Aug 26 04:39:50 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: VX011826.D

Acq: 24 Aug 2019 18:12

Instrument :

MSVOA\_X

ClientSampleId :

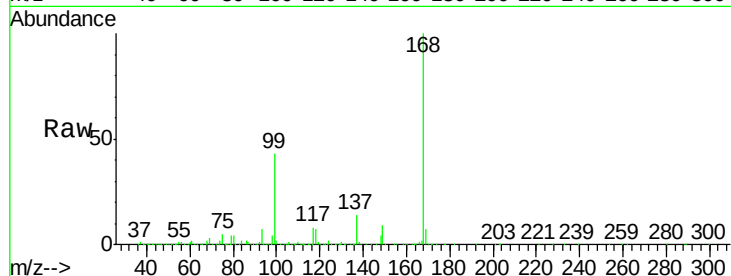
T1-2-F3-(2.5)

Tot Ion:168 Resp: 468919

Ion Ratio Lower Upper

168 100

99 43.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

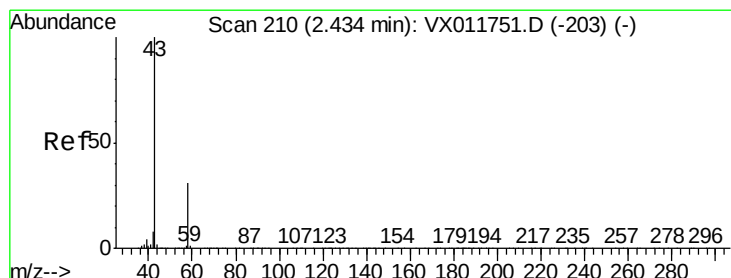
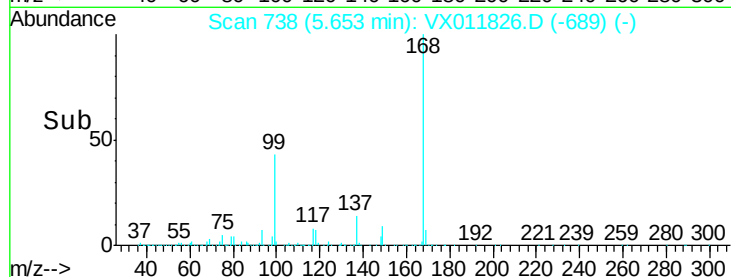
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.413 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011826.D

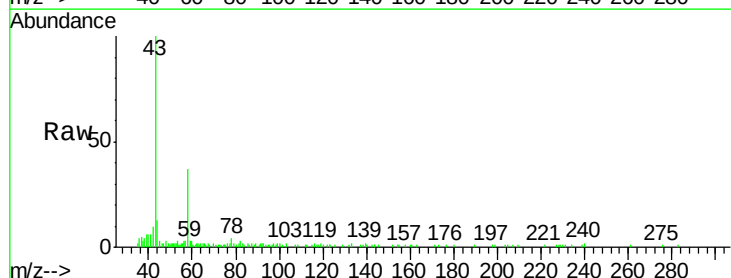
Acq: 24 Aug 2019 18:12

Tgt Ion: 43 Resp: 11091

Ion Ratio Lower Upper

43 100

58 35.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

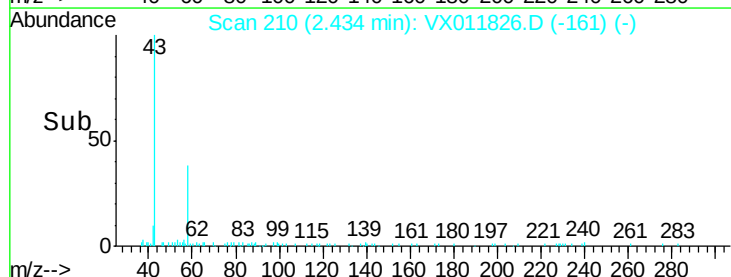
6000

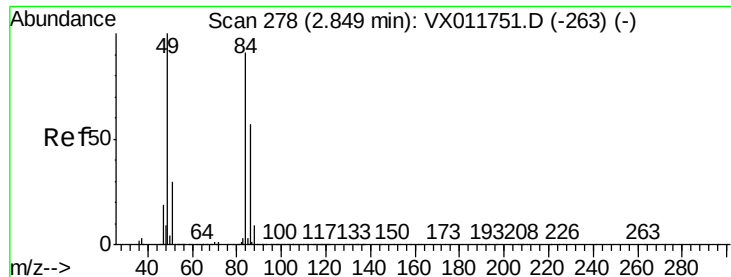
4000

2000

0

Time-->

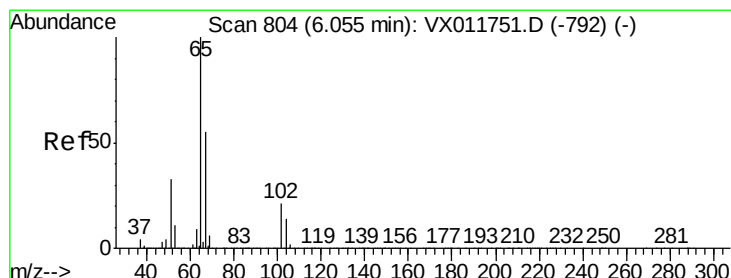
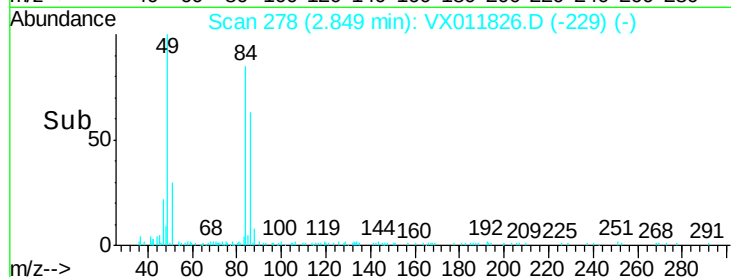
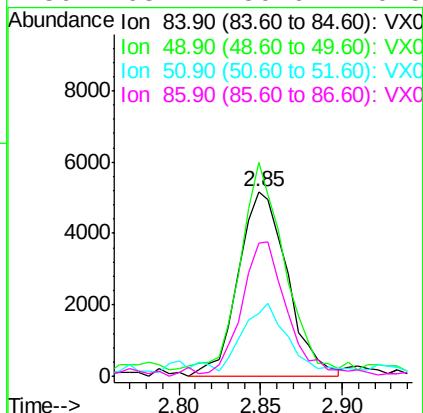
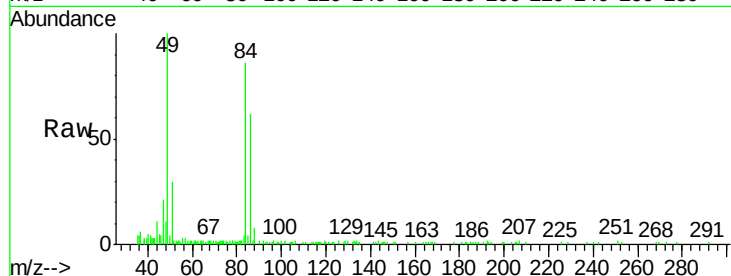




#20  
Methylene Chloride  
Concen: 2.577 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. -0.00 min  
Lab File: VX011826.D  
Acq: 24 Aug 2019 18:12

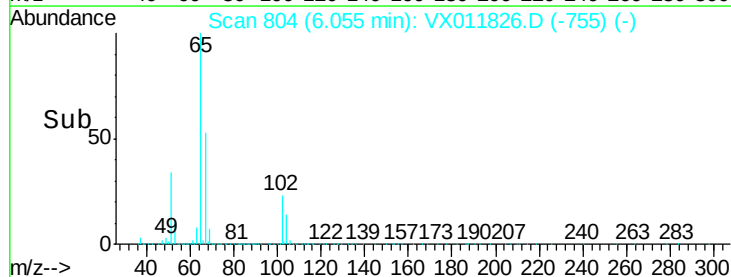
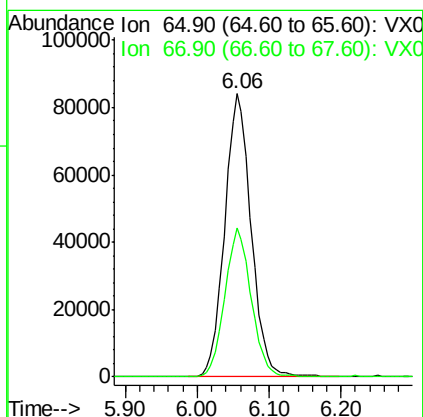
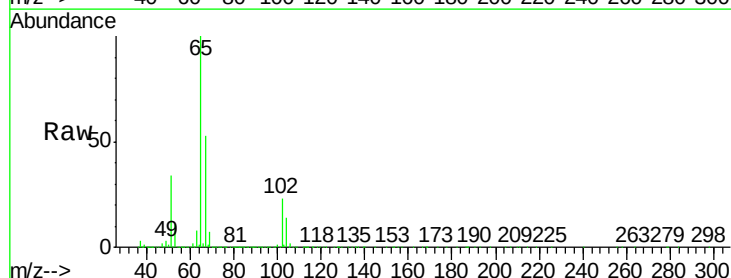
Instrument :  
MSVOA\_X  
ClientSampled :  
T1-2-F3-(2.5)

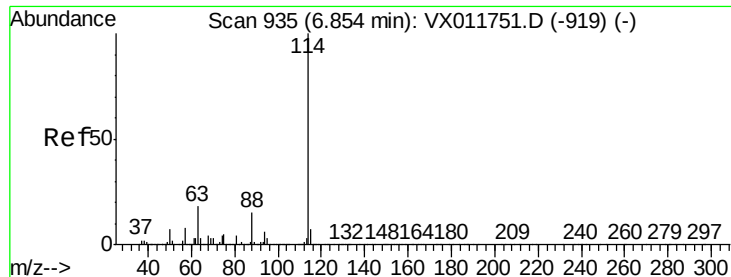
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 10797 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 111.8 | 88.3  | 132.5 |
| 51       | 30.1  | 26.2  | 39.2  |
| 86       | 68.7  | 50.6  | 76.0  |



#33  
1,2-Dichloroethane-d4  
Concen: 45.372 ug/l  
RT: 6.06 min Scan# 804  
Delta R.T. -0.00 min  
Lab File: VX011826.D  
Acq: 24 Aug 2019 18:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 213727 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.3  | 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: VX011826.D

Acq: 24 Aug 2019 18:12

Instrument :

MSVOA\_X

ClientSampleId :

T1-2-F3-(2.5)

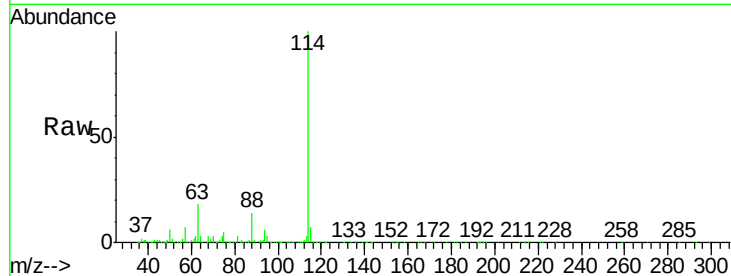
Tot Ion:114 Resp: 639982

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

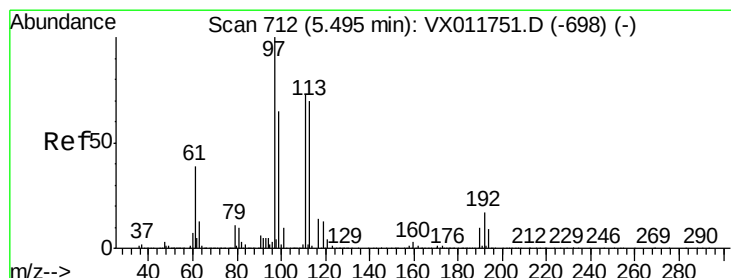
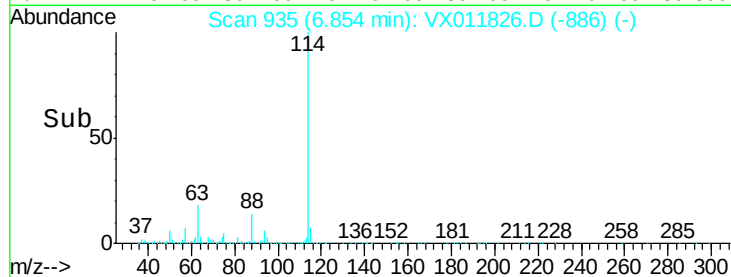
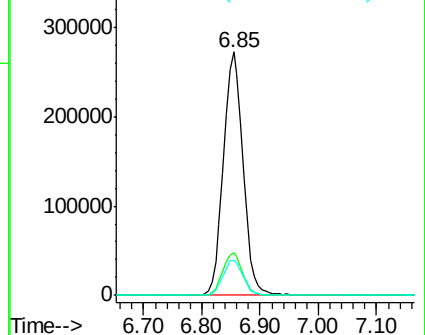
88 14.4 0.0 30.2



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: 45.720 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011826.D

Acq: 24 Aug 2019 18:12

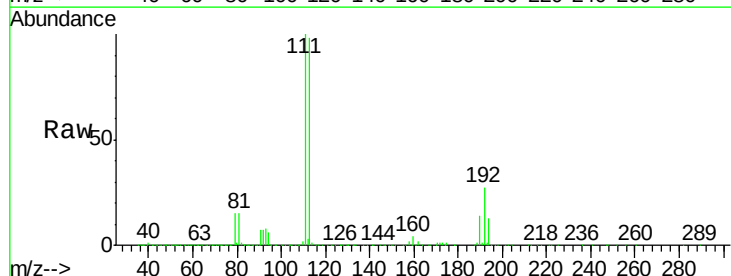
Tgt Ion:113 Resp: 189208

Ion Ratio Lower Upper

113 100

111 101.9 81.0 121.4

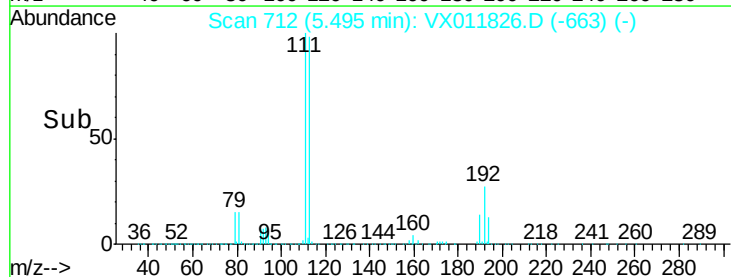
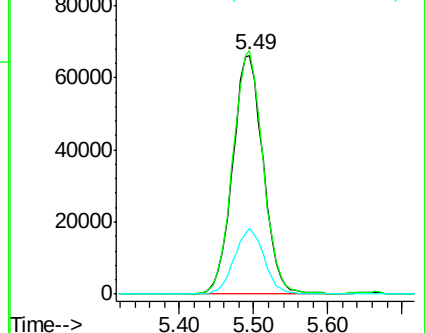
192 27.0 19.9 29.9

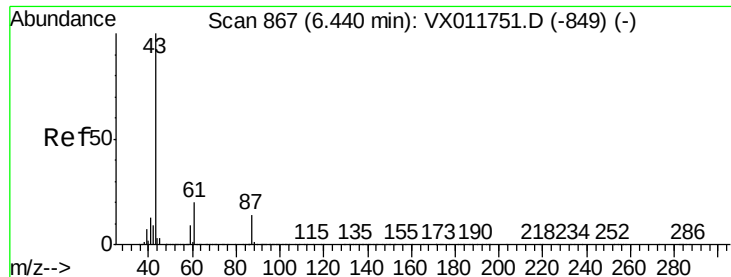


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.359 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011826.D

Acq: 24 Aug 2019 18:12

Instrument :

MSVOA\_X

ClientSampleId :

T1-2-F3-(2.5)

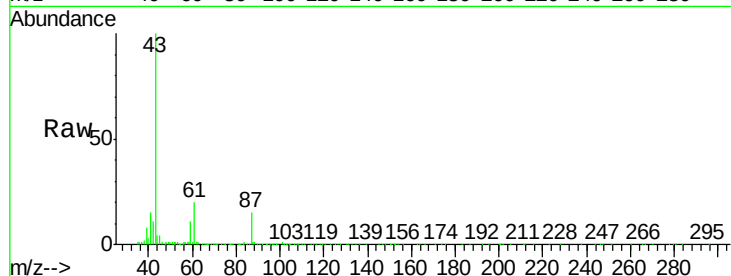
Tot Ion: 43 Resp: 71855

Ion Ratio Lower Upper

43 100

61 20.9 16.2 24.2

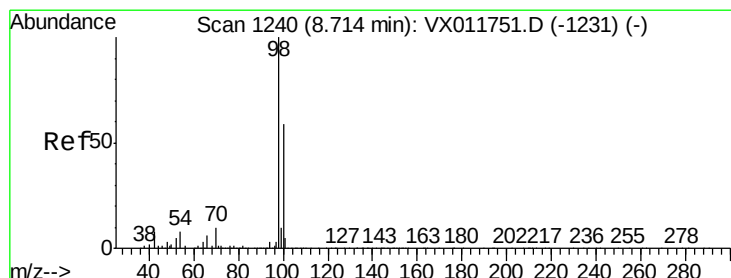
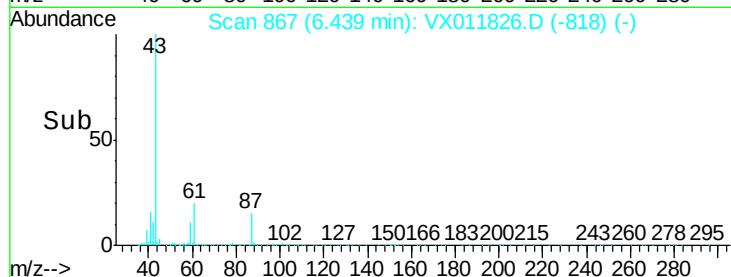
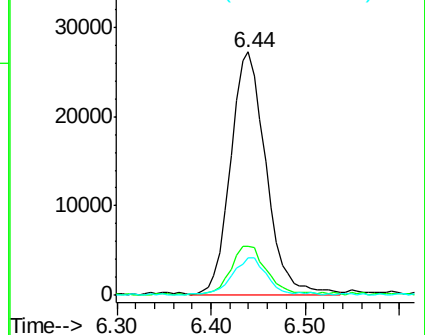
87 14.8 11.6 17.4



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: 50.720 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011826.D

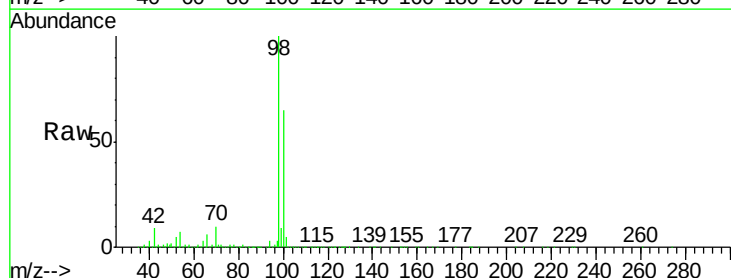
Acq: 24 Aug 2019 18:12

Tgt Ion: 98 Resp: 732134

Ion Ratio Lower Upper

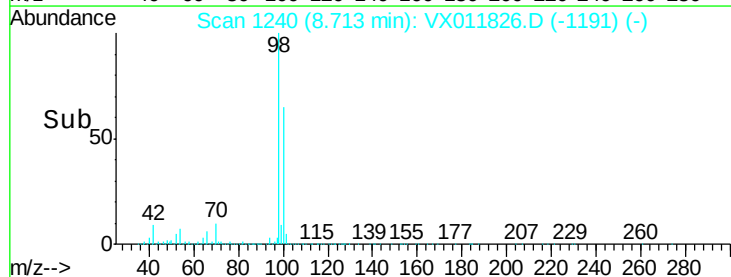
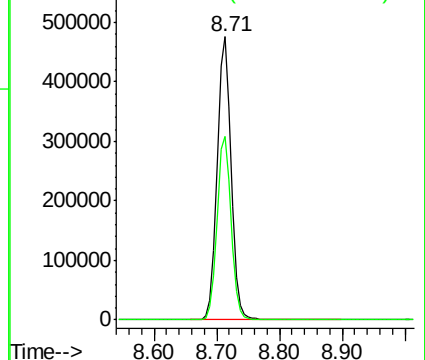
98 100

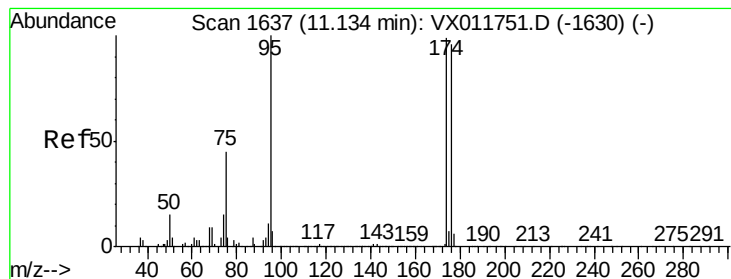
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.074 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011826.D

Acq: 24 Aug 2019 18:12

Instrument :

MSVOA\_X

ClientSampleId :

T1-2-F3-(2.5)

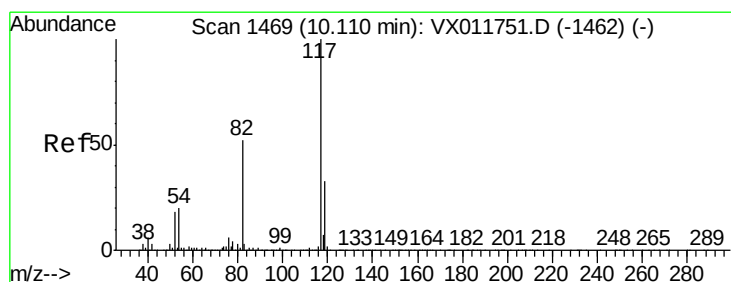
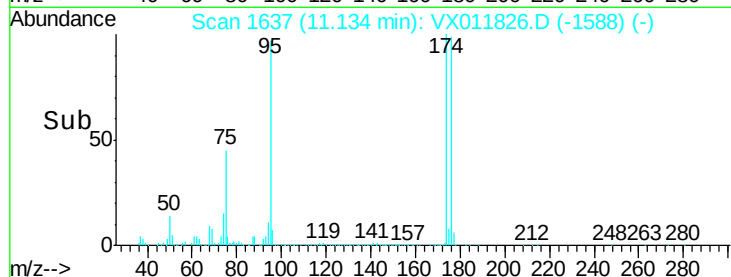
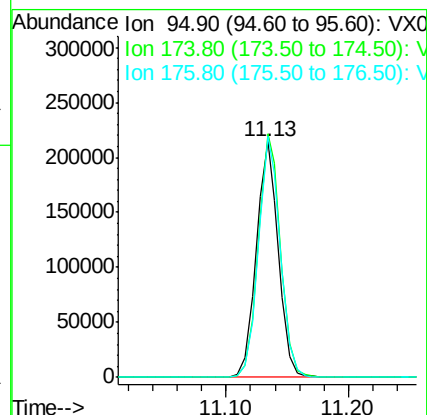
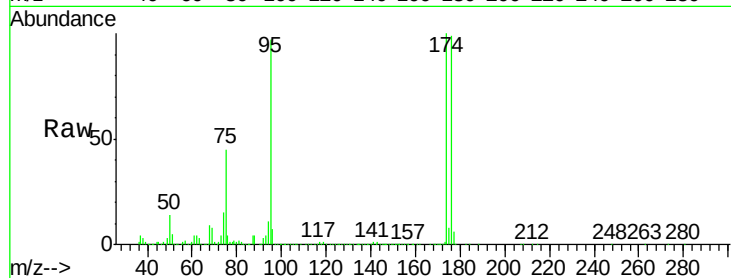
Tot Ion: 95 Resp: 268578

Ion Ratio Lower Upper

95 100

174 104.8 0.0 197.4

176 102.1 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: VX011826.D

Acq: 24 Aug 2019 18:12

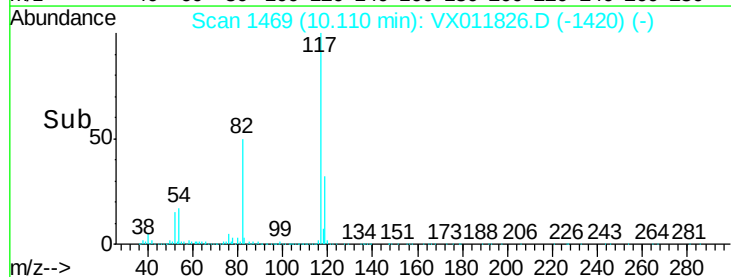
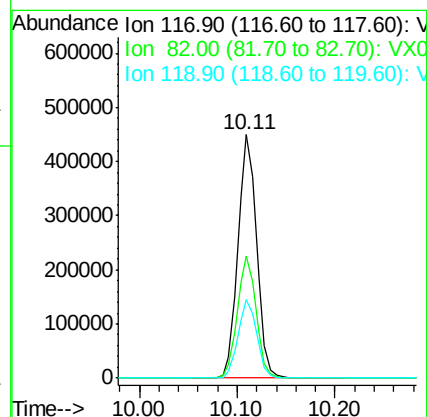
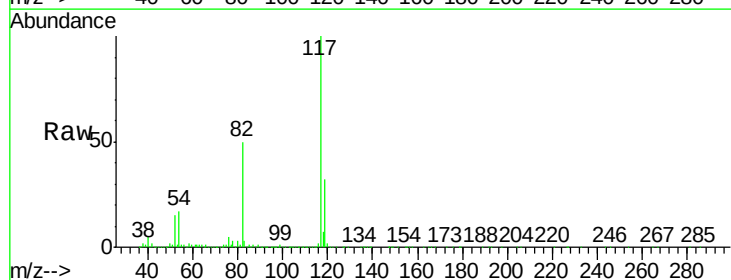
Tgt Ion: 117 Resp: 596202

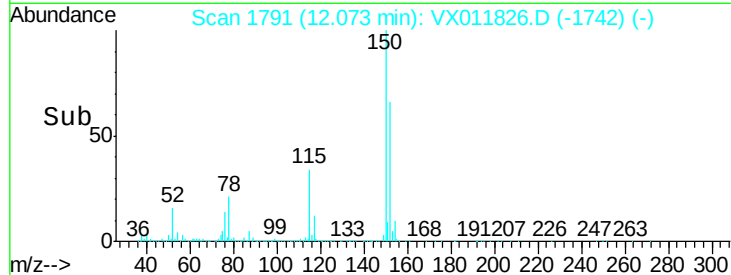
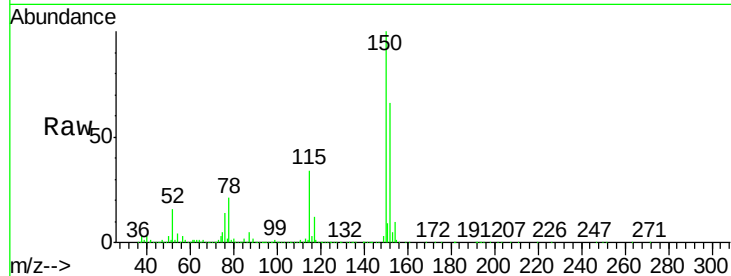
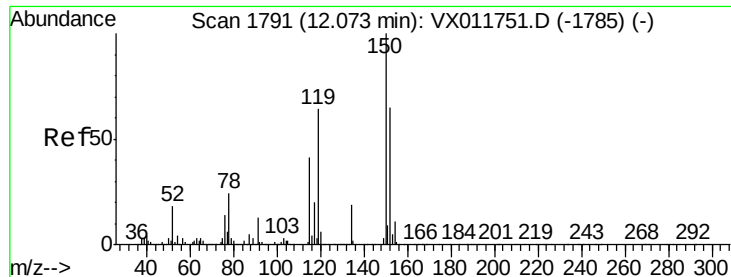
Ion Ratio Lower Upper

117 100

82 50.2 41.7 62.5

119 32.5 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: VX011826.D  
 Acq: 24 Aug 2019 18:12

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T1-2-F3-(2.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 51.6  | 37.3  | 111.8 |
| 150     | 154.2 | 0.0   | 343.0 |

