

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\  
 Data File : VX005790.D  
 Acq On : 05 Nov 2018 20:30  
 Operator : JC/MD  
 Sample : J5764-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 JC-03-110218-E

Quant Time: Nov 06 02:37:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 18:23:06 2018  
 Response via : Initial Calibration

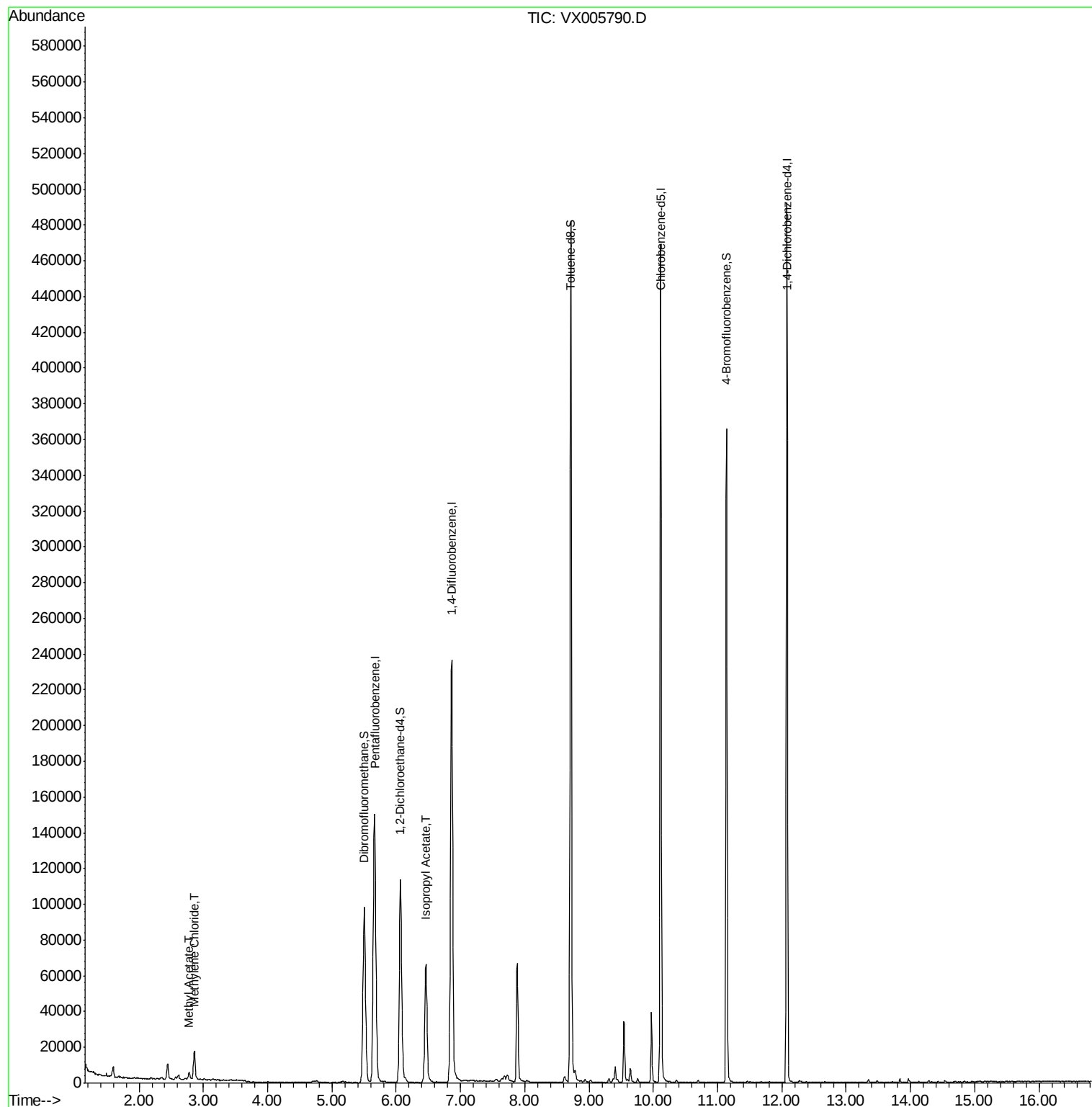
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 146089   | 50.00  | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 233998   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 213998   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 93899    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 108673   | 50.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.76% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 79555    | 49.10  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.20%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 293169   | 51.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.18% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 93226    | 44.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.90%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 18) Methyl Acetate          | 2.78  | 43   | 4842     | 1.580  | ug/l    | 97       |
| 20) Methylene Chloride      | 2.86  | 84   | 7088     | 3.848  | ug/l    | 93       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 84338    | 18.269 | ug/l    | 96       |

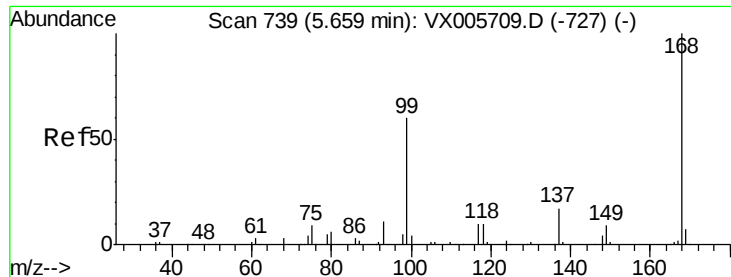
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110518\  
Data File : VX005790.D  
Acq On : 05 Nov 2018 20:30  
Operator : JC/MD  
Sample : J5764-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
JC-03-110218-E

Quant Time: Nov 06 02:37:14 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 18:23:06 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA\_X

ClientSampleId :

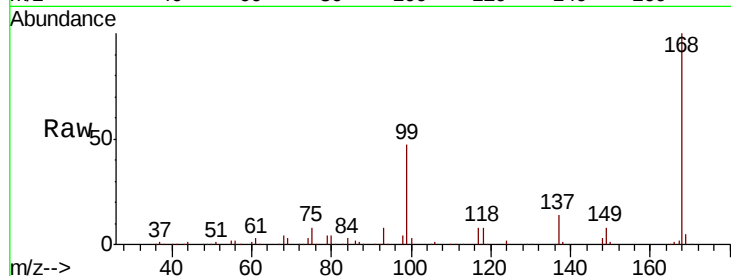
JC-03-110218-E

Tot Ion:168 Resp: 146089

Ion Ratio Lower Upper

168 100

99 47.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

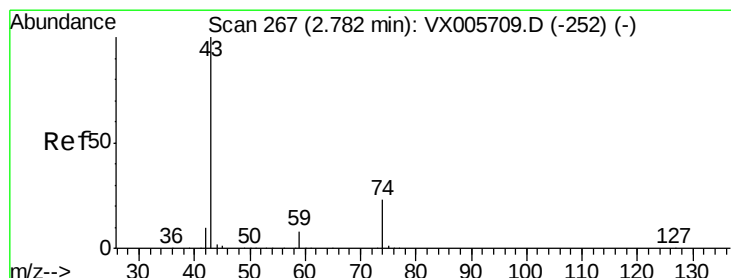
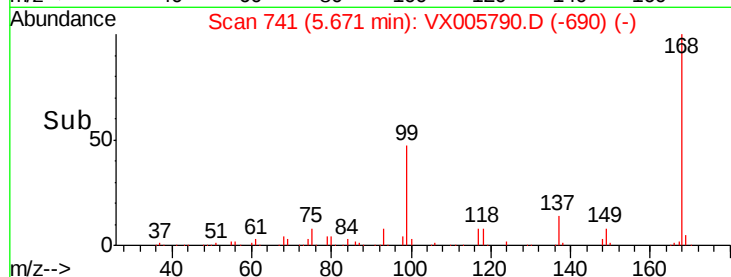
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#18

Methyl Acetate

Concen: 1.580 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005790.D

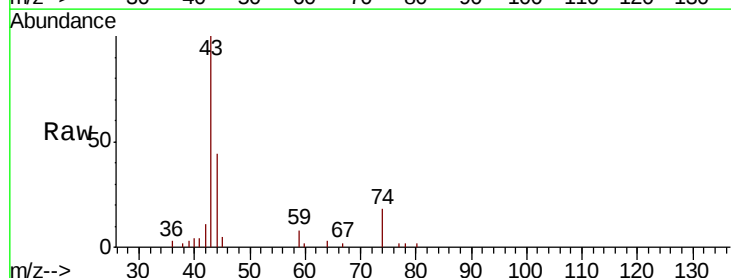
Acq: 05 Nov 2018 20:30

Tgt Ion: 43 Resp: 4842

Ion Ratio Lower Upper

43 100

74 22.3 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

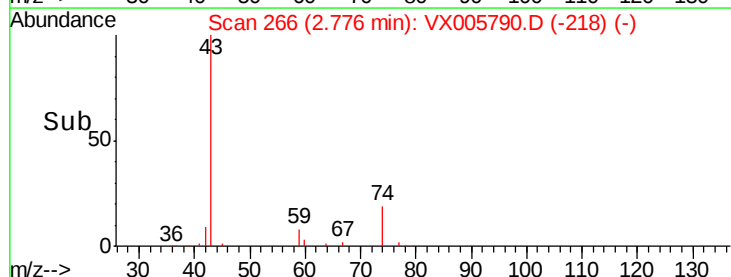
3000

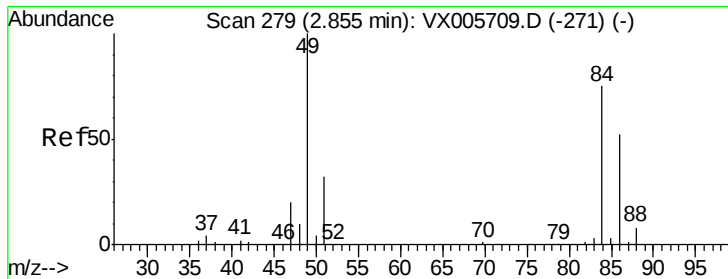
2000

1000

0

Time--> 2.70 2.75 2.80 2.85

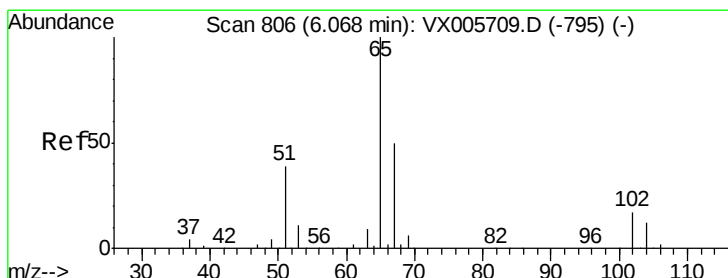
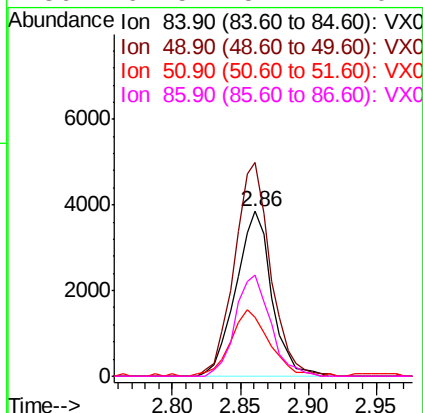
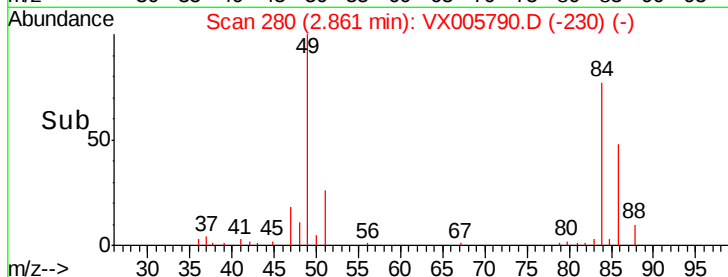
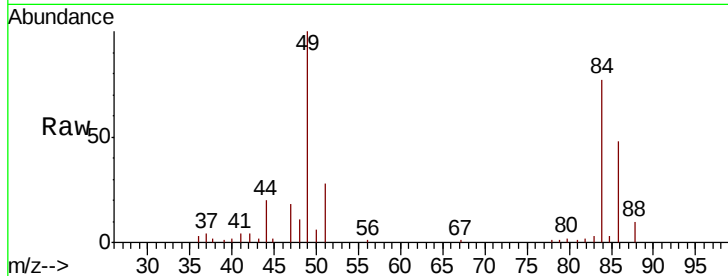




#20  
Methylene Chloride  
Concen: 3.848 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX005790.D  
Acq: 05 Nov 2018 20:30

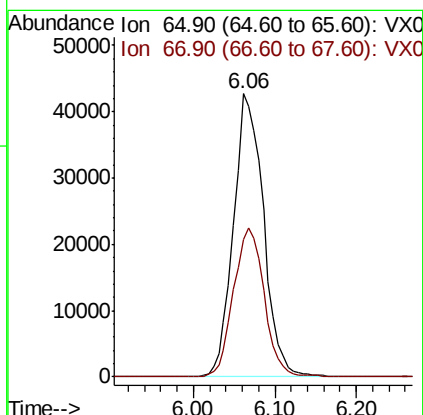
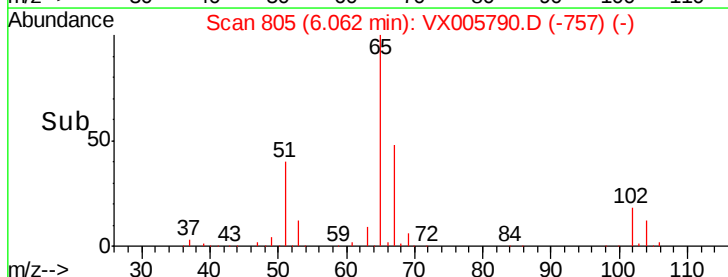
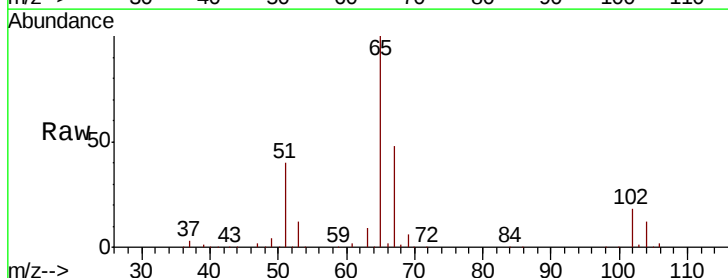
Instrument :  
MSVOA\_X  
ClientSampleId :  
JC-03-110218-E

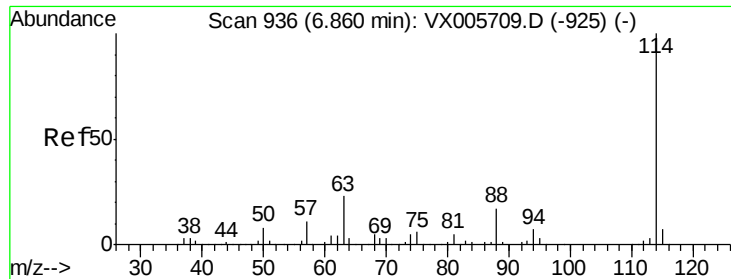
Tot Ion: 84 Resp: 7088  
Ion Ratio Lower Upper  
84 100  
49 129.4 109.5 164.3  
51 35.6 33.3 49.9  
86 61.5 52.7 79.1



#33  
1,2-Dichloroethane-d4  
Concen: 50.880 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. -0.01 min  
Lab File: VX005790.D  
Acq: 05 Nov 2018 20:30

Tgt Ion: 65 Resp: 108673  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 105.0

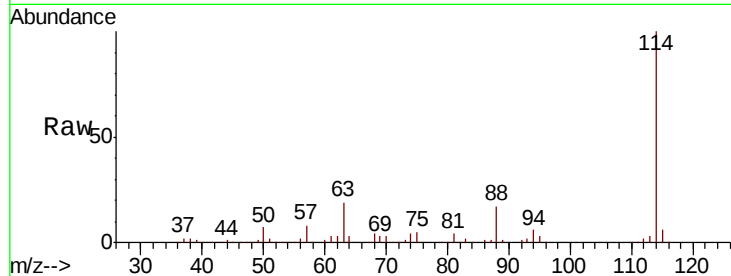




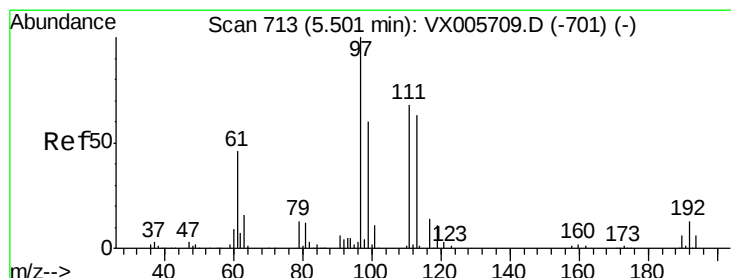
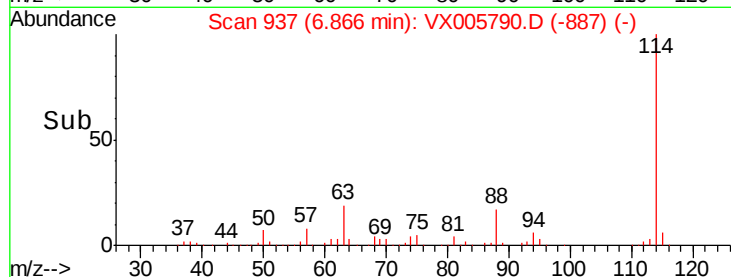
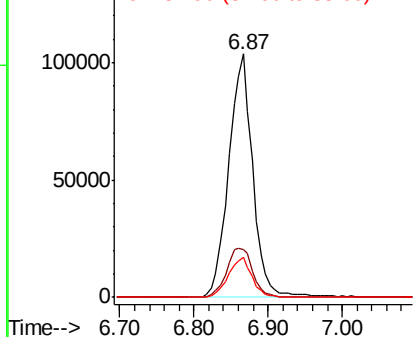
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.87 min Scan# 937  
Delta R.T. 0.01 min  
Lab File: VX005790.D  
Acq: 05 Nov 2018 20:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
JC-03-110218-E

Tot Ion:114 Resp: 233998  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 42.8  
88 16.6 0.0 31.2

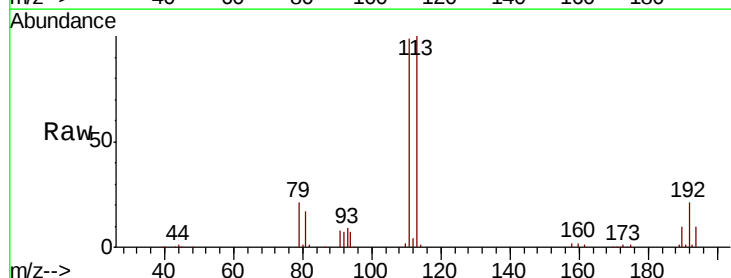


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

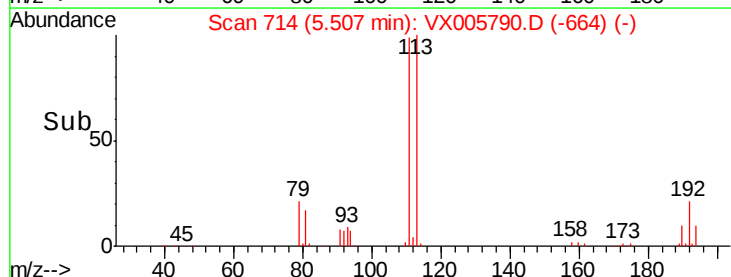
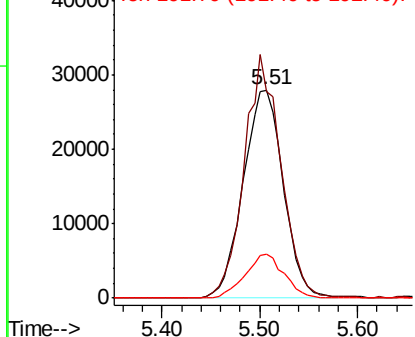


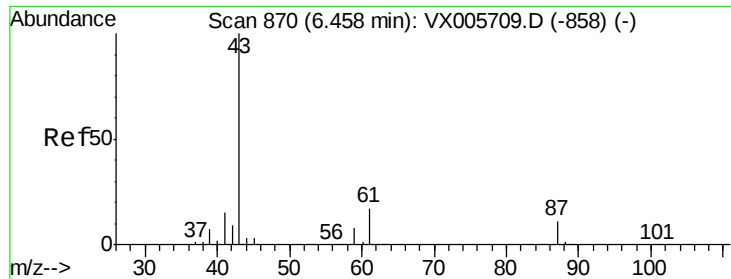
#35  
Dibromofluoromethane  
Concen: 49.101 ug/l  
RT: 5.51 min Scan# 714  
Delta R.T. 0.01 min  
Lab File: VX005790.D  
Acq: 05 Nov 2018 20:30

Tgt Ion:113 Resp: 79555  
Ion Ratio Lower Upper  
113 100  
111 106.5 82.3 123.5  
192 20.5 17.9 26.9



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



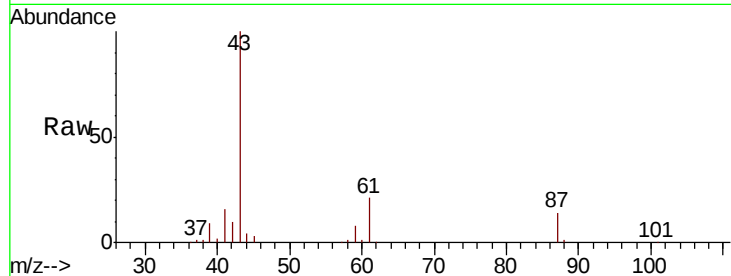


#43

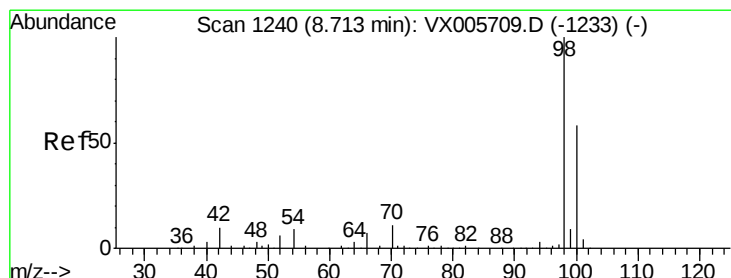
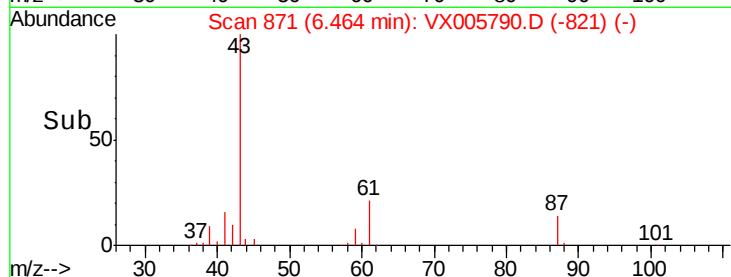
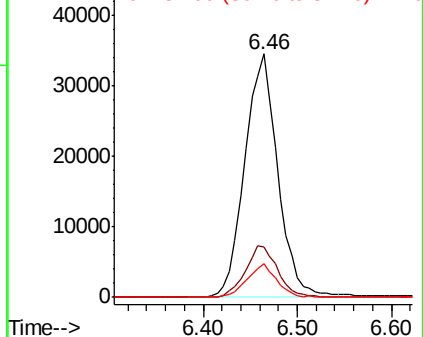
Isopropyl Acetate  
 Concen: 18.269 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. 0.01 min  
 Lab File: VX005790.D  
 Acq: 05 Nov 2018 20:30

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 JC-03-110218-E

Tot Ion: 43 Resp: 84338  
 Ion Ratio Lower Upper  
 43 100  
 61 20.7 14.6 22.0  
 87 12.4 9.6 14.4



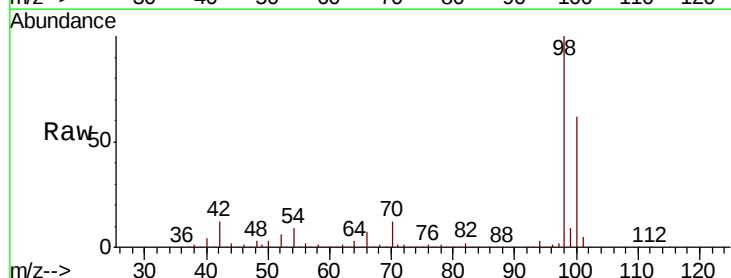
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



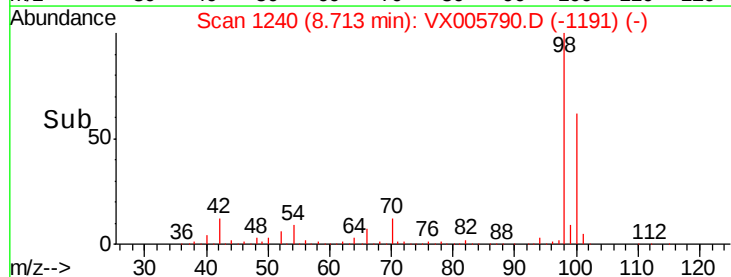
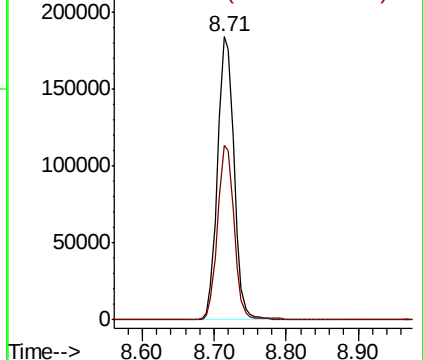
#50

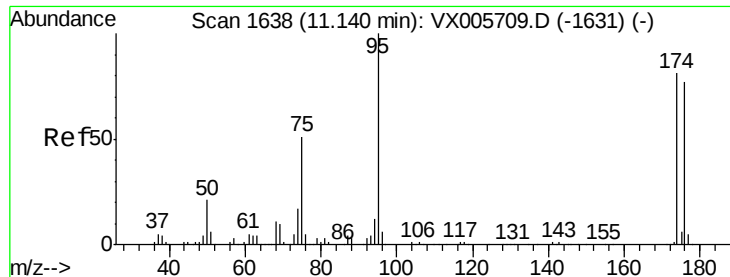
Toluene-d8  
 Concen: 51.590 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX005790.D  
 Acq: 05 Nov 2018 20:30

Tgt Ion: 98 Resp: 293169  
 Ion Ratio Lower Upper  
 98 100  
 100 61.6 51.3 76.9



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





#62

4-Bromofluorobenzene

Concen: 44.451 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA\_X

ClientSampleId :

JC-03-110218-E

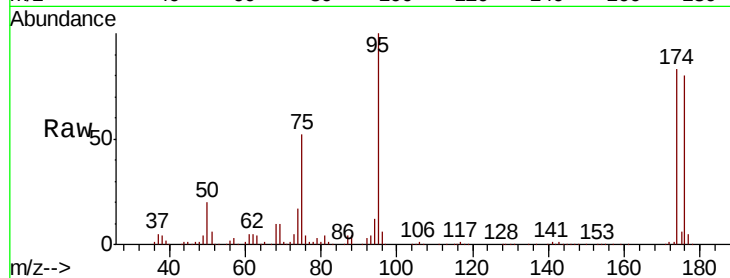
Tot Ion: 95 Resp: 93226

Ion Ratio Lower Upper

95 100

174 81.0 0.0 184.4

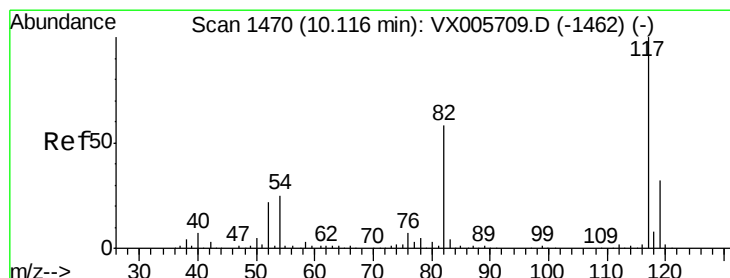
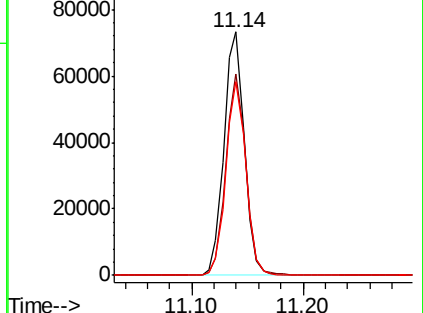
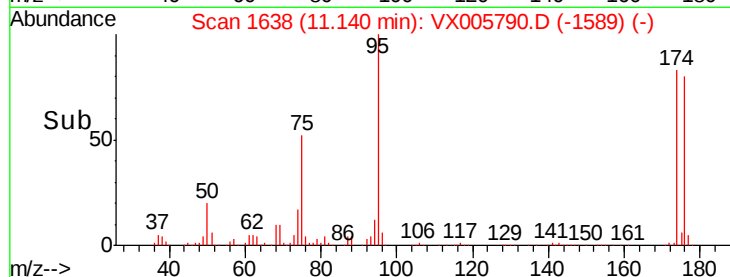
176 78.1 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005790.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005790.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005790.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

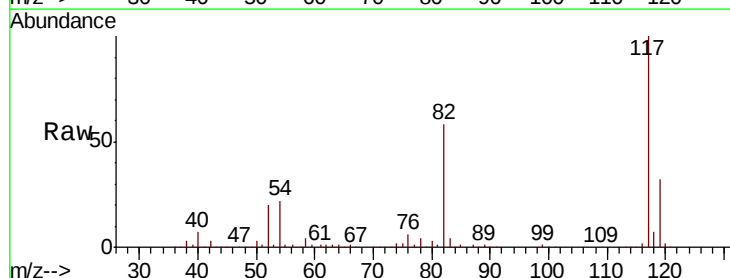
Tgt Ion: 117 Resp: 213998

Ion Ratio Lower Upper

117 100

82 58.1 44.1 66.1

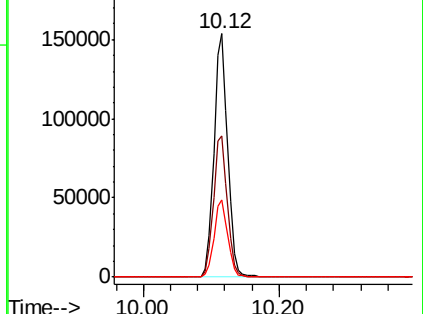
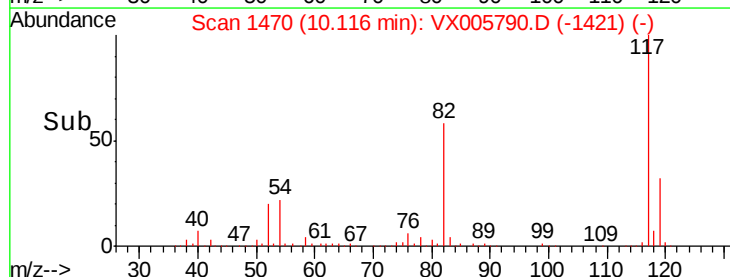
119 32.0 26.2 39.2

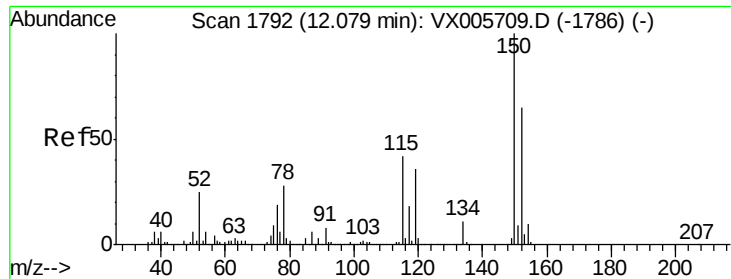


Abundance Ion 116.90 (116.60 to 117.60): VX005790.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005790.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005790.D (-1421) (-)



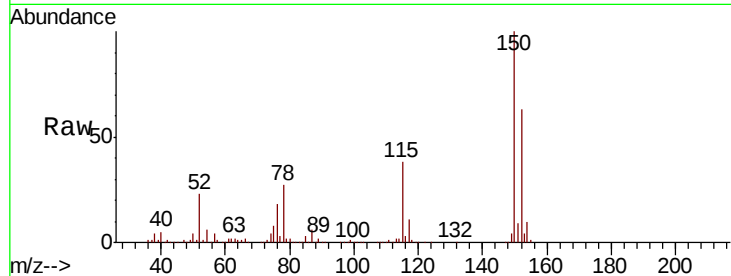


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX005790.D  
Acq: 05 Nov 2018 20:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
JC-03-110218-E

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.4  | 39.4  | 118.1 |
| 150     | 157.6 | 0.0   | 346.4 |



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

