

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\  
 Data File : VX005905.D  
 Acq On : 12 Nov 2018 17:21  
 Operator : JC/MD  
 Sample : J5907-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-3-S

Quant Time: Nov 13 06:00:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

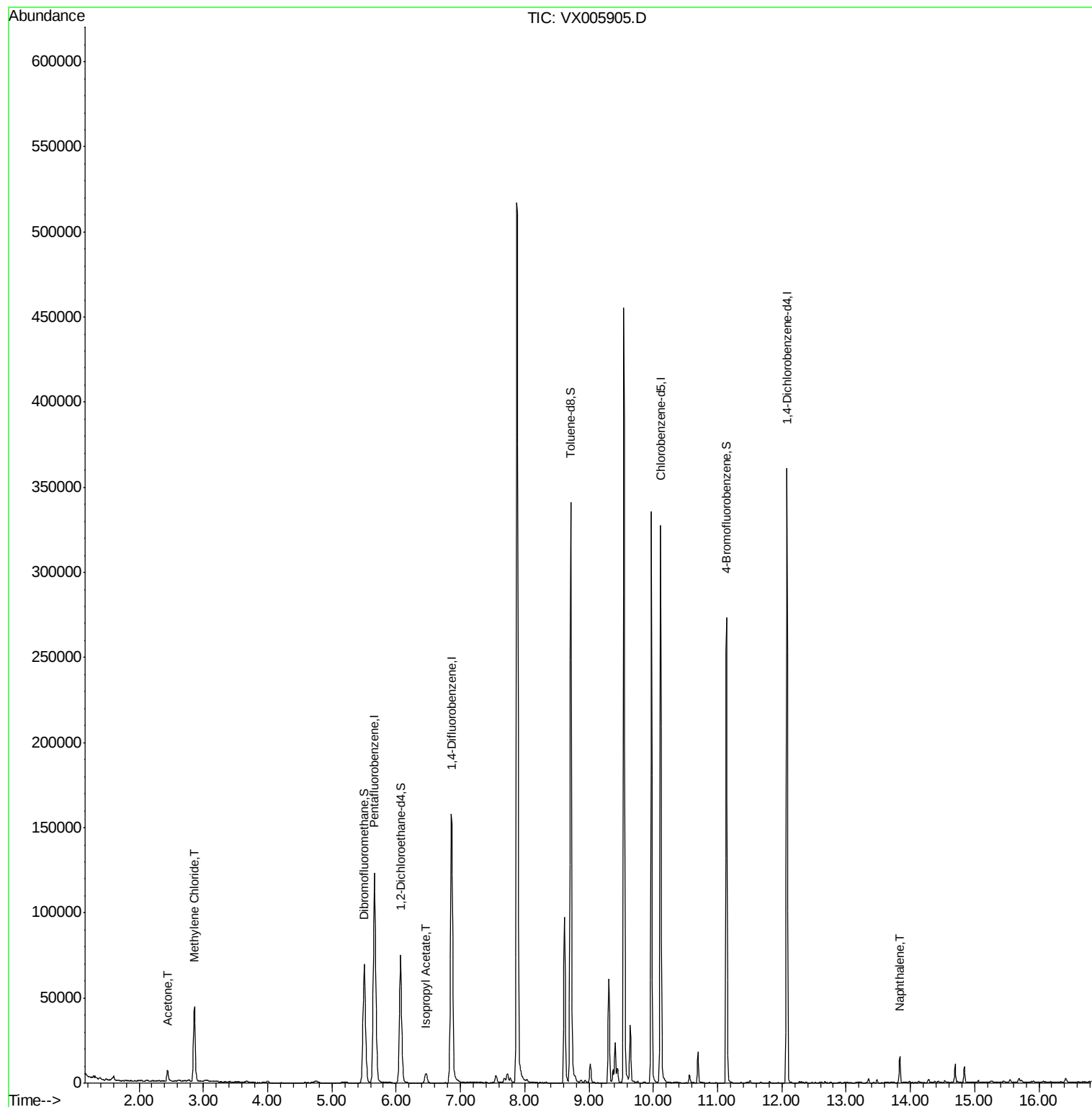
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 121603   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 165332   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 156063   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 73337    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 68960    | 49.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.66%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 57334    | 50.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.98% |          |
| 50) Toluene-d8              | 8.71  | 98   | 209290   | 55.98  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.96% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 69996    | 52.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.16% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.44  | 43   | 6526     | 8.670  | ug/l    | 96       |
| 20) Methylene Chloride      | 2.86  | 84   | 19707    | 15.938 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 7958     | 2.620  | ug/l    | 99       |
| 95) Naphthalene             | 13.83 | 128  | 9927     | 3.015  | ug/l    | 99       |

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

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Sample : J5907-08  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-S

Quant Time: Nov 13 06:00:24 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
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: VX005905.D

Acq: 12 Nov 2018 17:21

Instrument :

MSVOA\_X

ClientSampled :

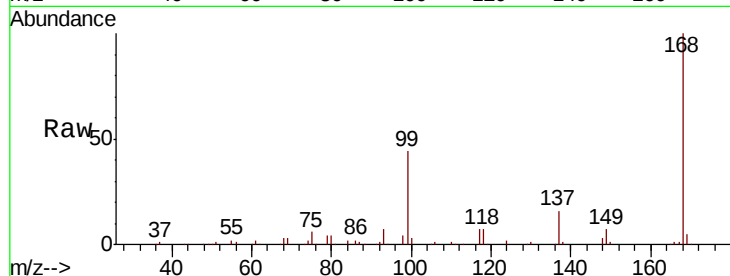
TP-3-S

Tot Ion:168 Resp: 121603

Ion Ratio Lower Upper

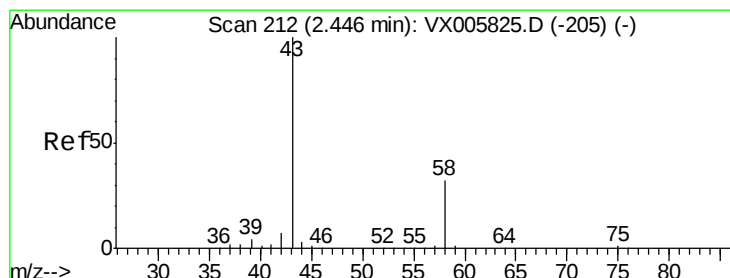
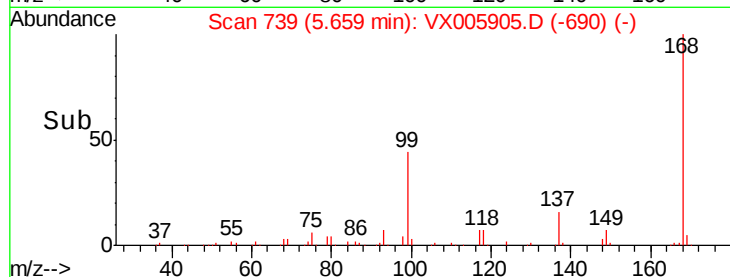
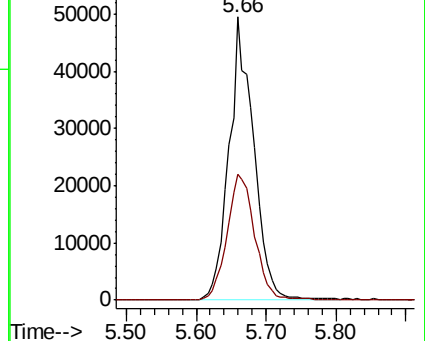
168 100

99 44.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.670 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005905.D

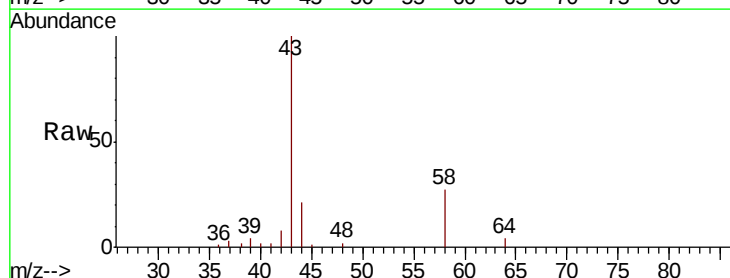
Acq: 12 Nov 2018 17:21

Tgt Ion: 43 Resp: 6526

Ion Ratio Lower Upper

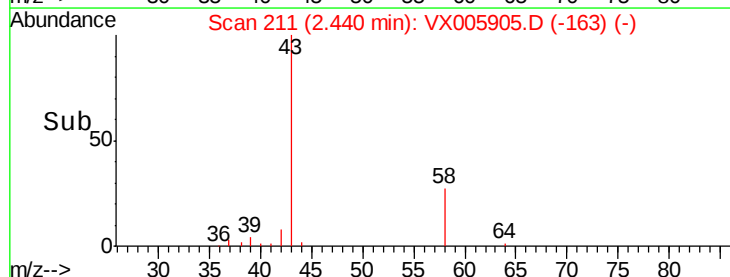
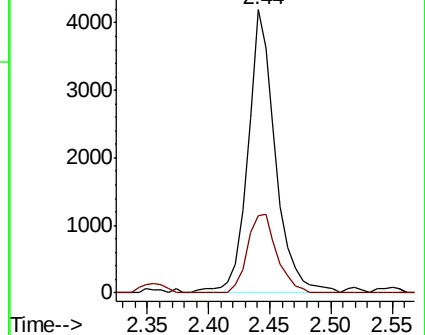
43 100

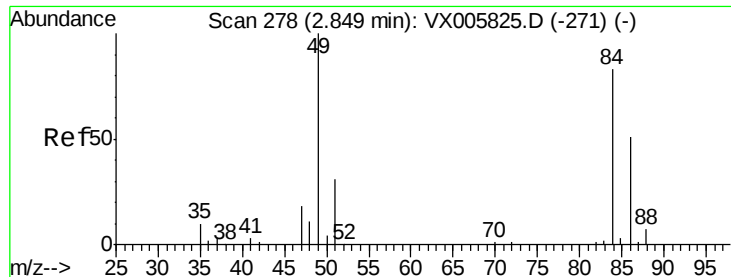
58 27.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

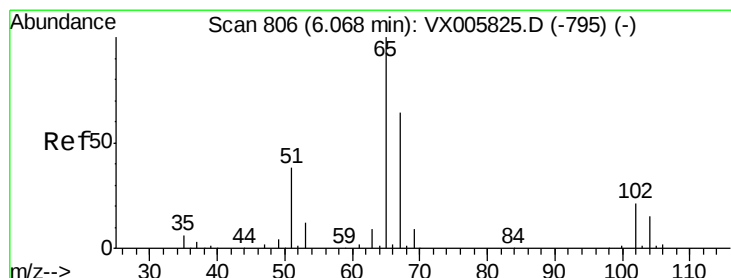
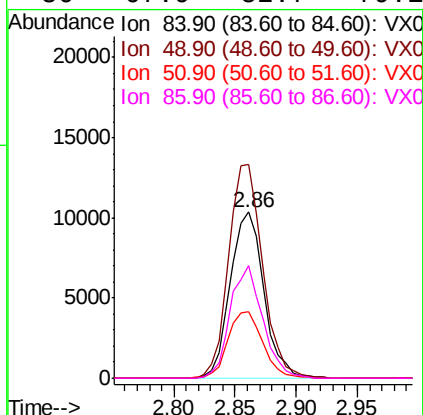
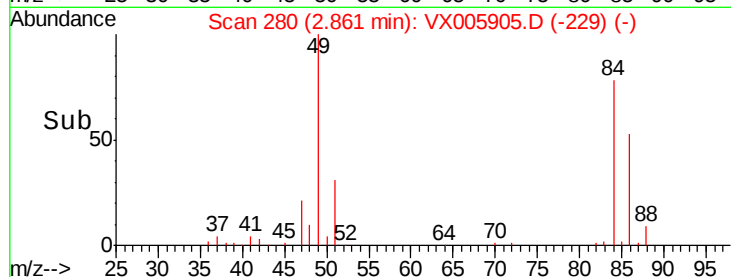
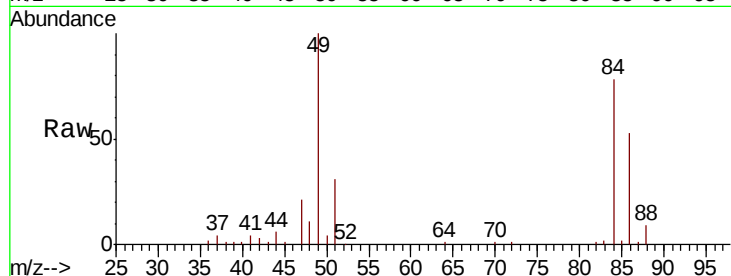




#20  
Methvlene Chloride  
Concen: 15.938 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX005905.D  
Acq: 12 Nov 2018 17:21

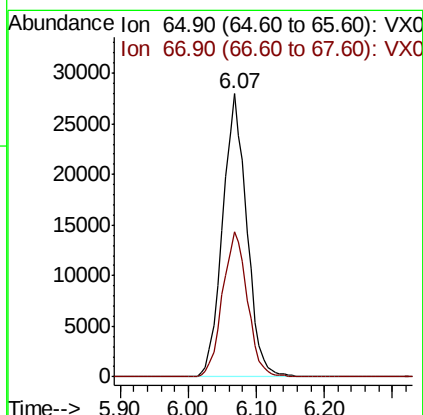
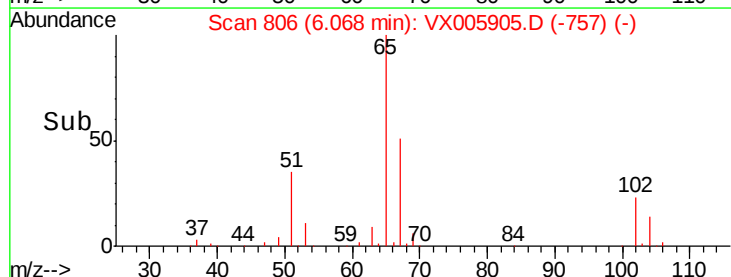
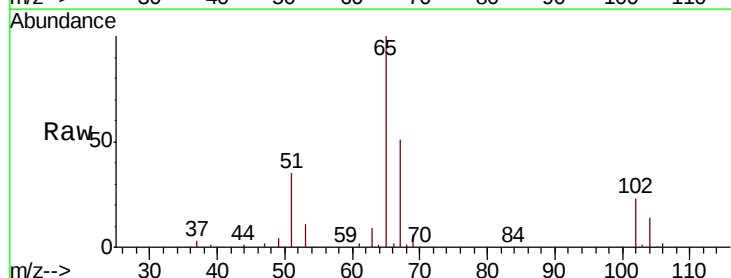
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-S

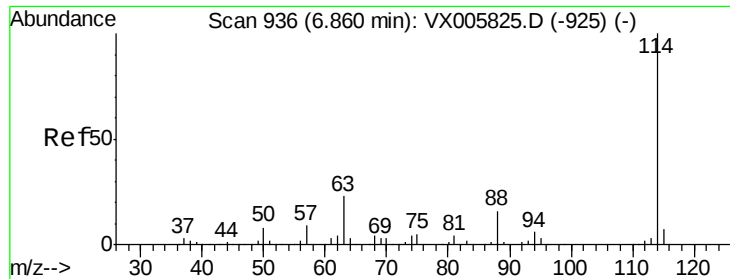
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 19707 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 128.6 | 109.5 | 164.3 |
| 51       | 40.1  | 33.3  | 49.9  |
| 86       | 67.9  | 52.7  | 79.1  |



#33  
1,2-Dichloroethane-d4  
Concen: 49.328 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: VX005905.D  
Acq: 12 Nov 2018 17:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 68960 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 52.7  | 0.0   | 105.0 |

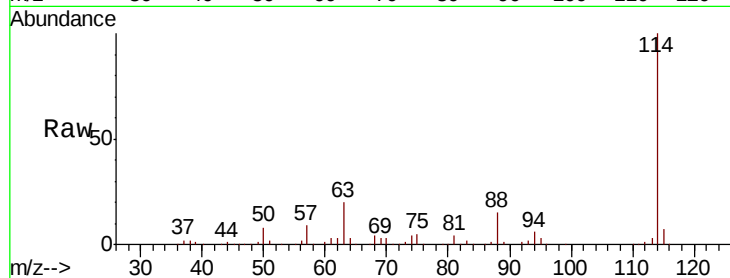




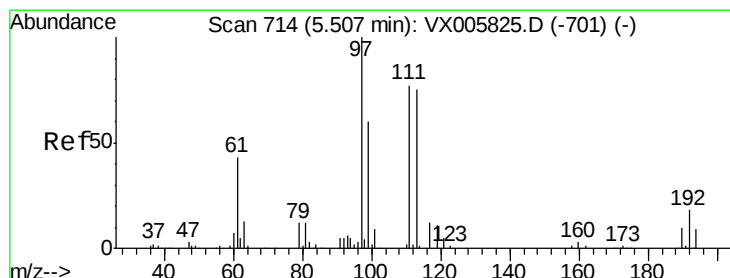
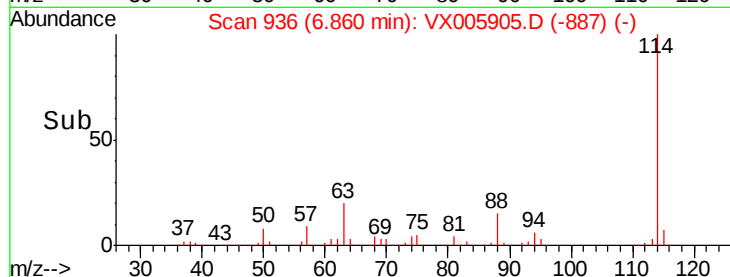
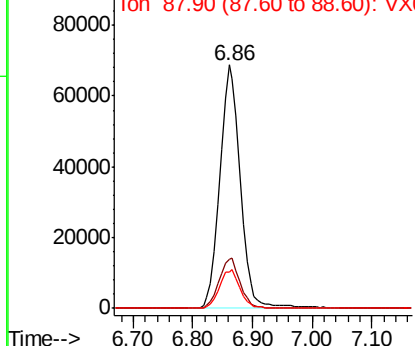
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. -0.00 min  
Lab File: VX005905.D  
Acq: 12 Nov 2018 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-S

Tot Ion:114 Resp: 165332  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 42.8  
88 14.9 0.0 31.2

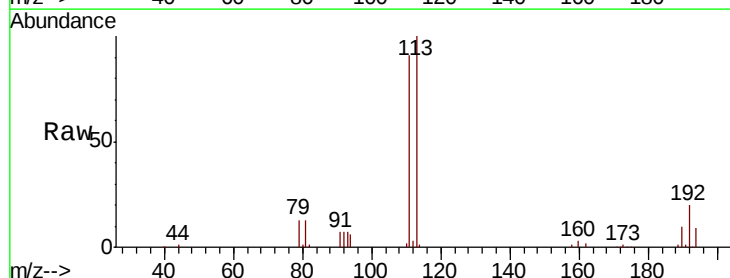


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

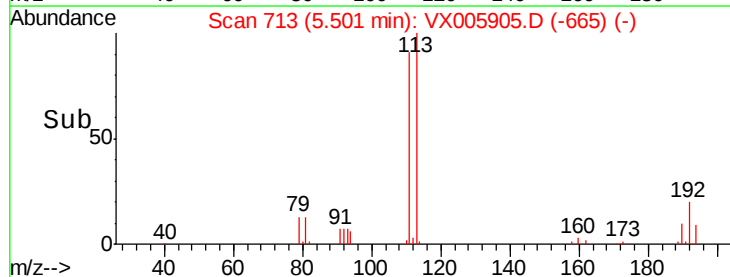
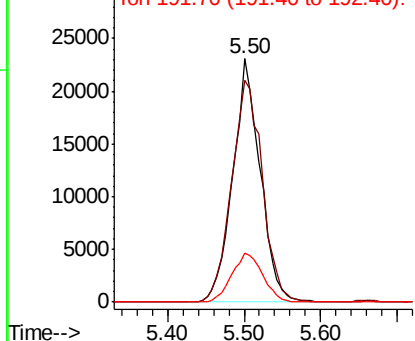


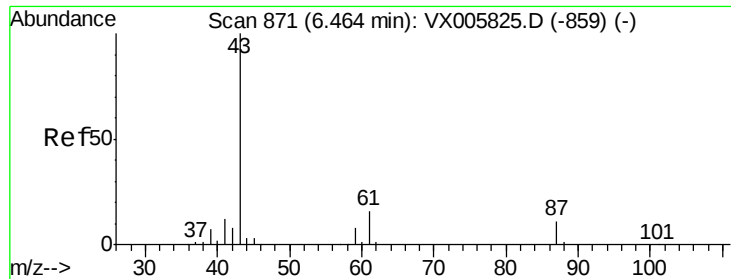
#35  
Dibromofluoromethane  
Concen: 50.986 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.01 min  
Lab File: VX005905.D  
Acq: 12 Nov 2018 17:21

Tgt Ion:113 Resp: 57334  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.3 123.5  
192 22.8 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: 2.620 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Instrument :

MSVOA\_X

ClientSampleId :

TP-3-S

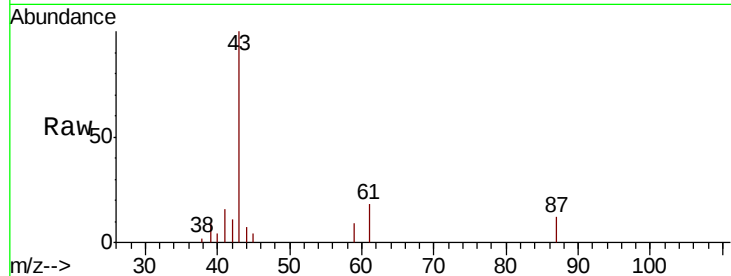
Tot Ion: 43 Resp: 7958

Ion Ratio Lower Upper

43 100

61 17.4 14.6 22.0

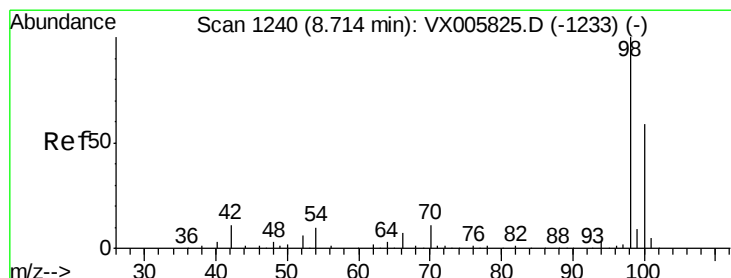
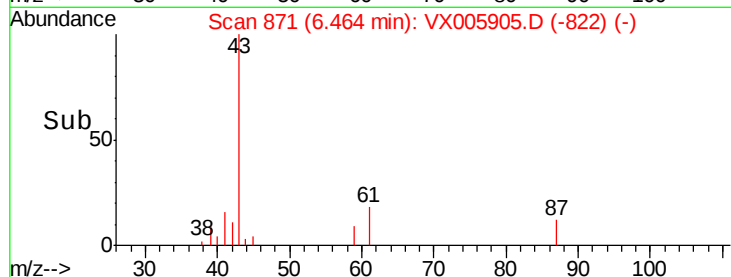
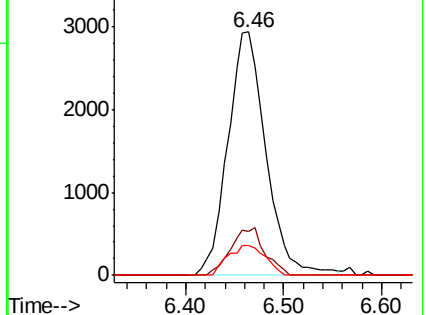
87 12.0 9.6 14.4



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: 55.982 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005905.D

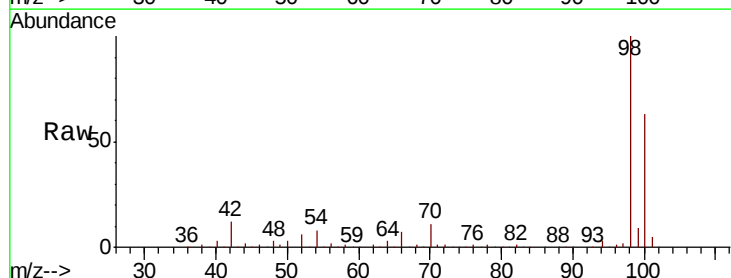
Acq: 12 Nov 2018 17:21

Tgt Ion: 98 Resp: 209290

Ion Ratio Lower Upper

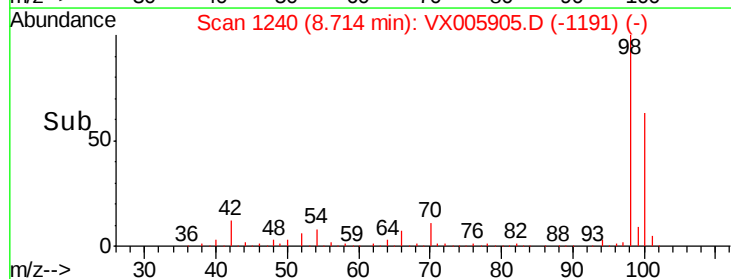
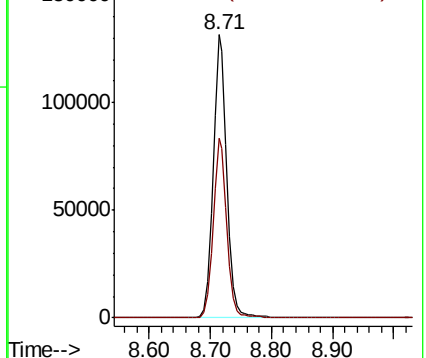
98 100

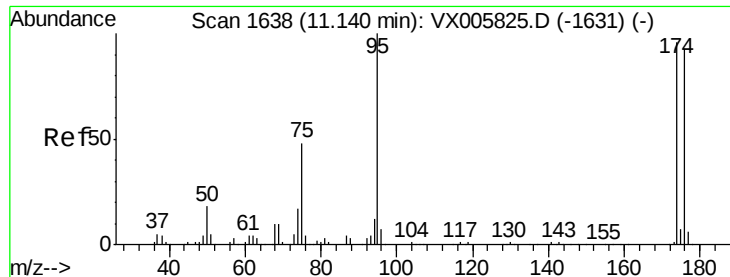
100 63.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

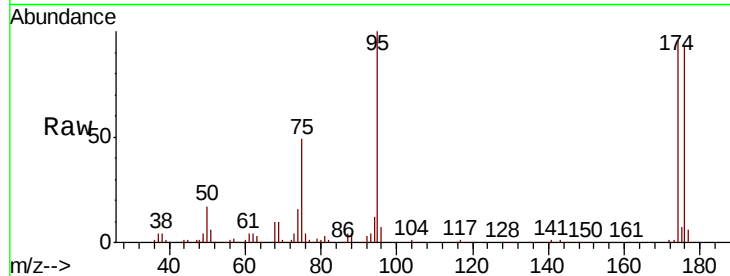




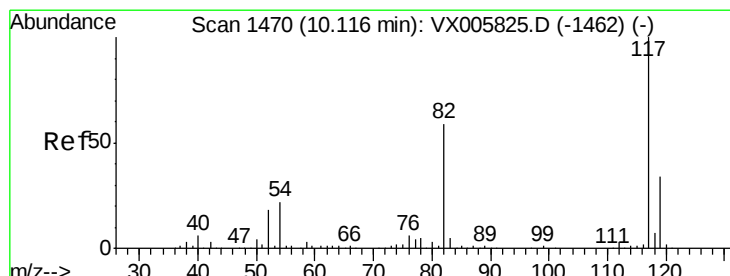
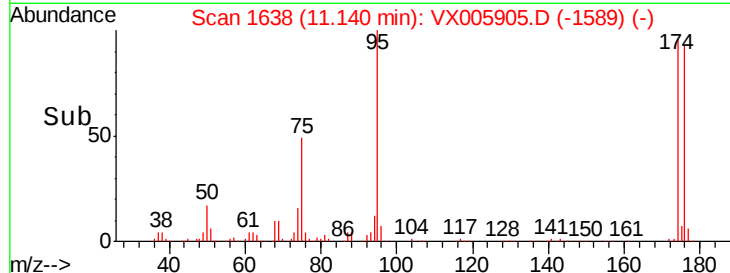
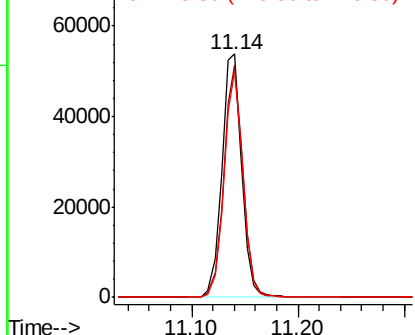
#62  
4-Bromofluorobenzene  
Concen: 52.075 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005905.D  
Acq: 12 Nov 2018 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-S

Tot Ion: 95 Resp: 69996  
Ion Ratio Lower Upper  
95 100  
174 91.8 0.0 184.4  
176 88.5 0.0 177.4

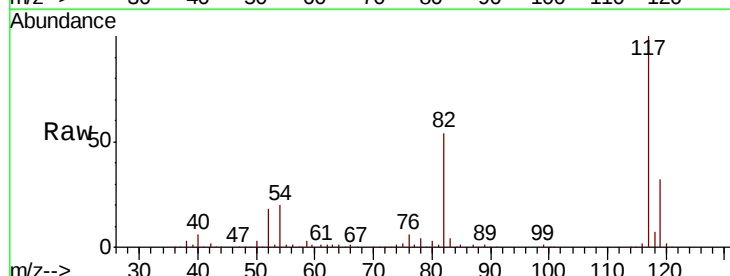


Abundance Ion 94.90 (94.60 to 95.60): VX0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

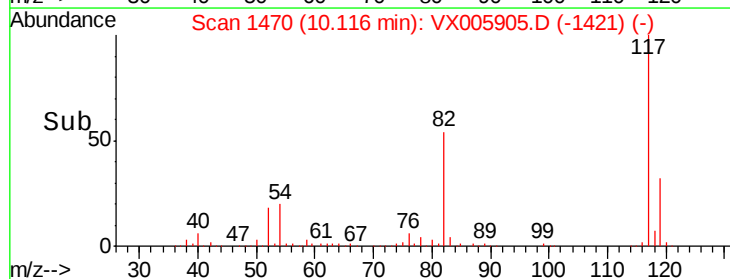
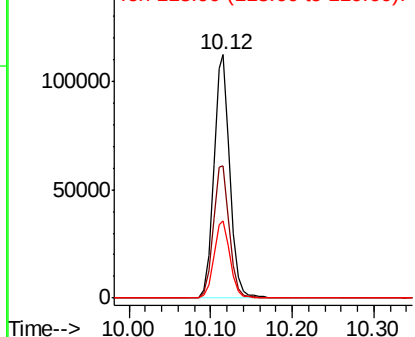


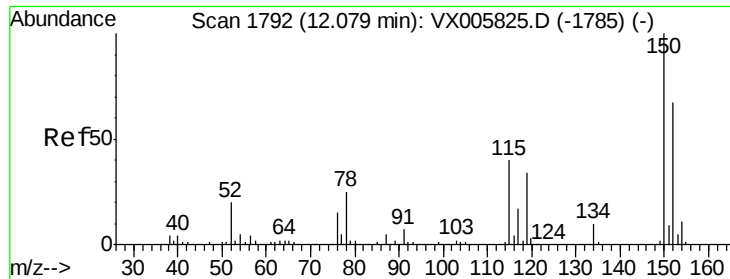
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005905.D  
Acq: 12 Nov 2018 17:21

Tgt Ion: 117 Resp: 156063  
Ion Ratio Lower Upper  
117 100  
82 54.1 44.1 66.1  
119 31.9 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



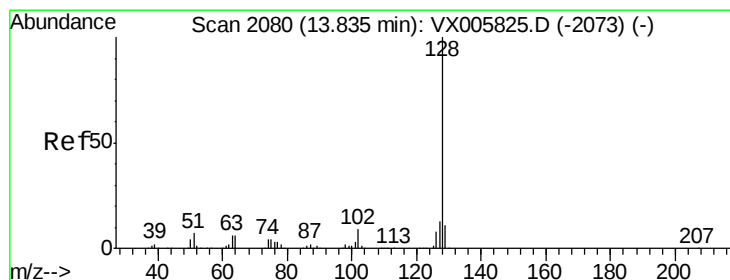
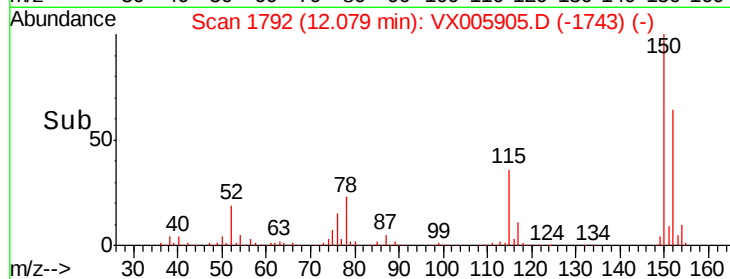
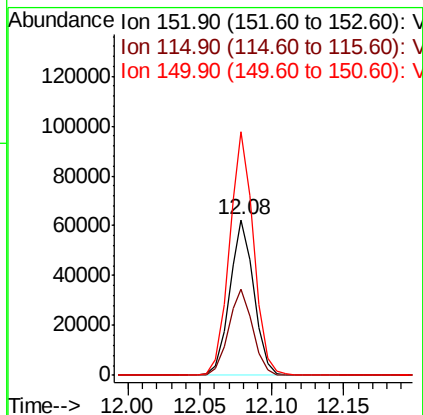
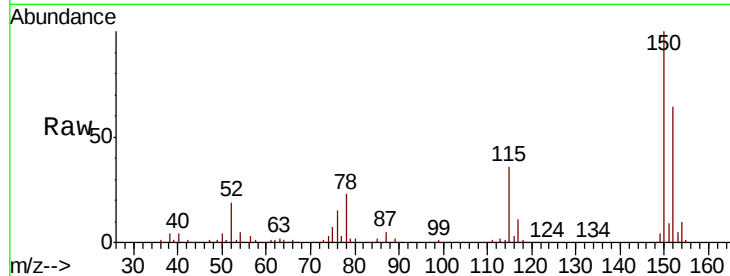


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX005905.D  
Acq: 12 Nov 2018 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-S

Tot Ion:152 Resp: 73337  
Ion Ratio Lower Upper  
152 100  
115 55.8 39.4 118.1  
150 156.8 0.0 346.4



#95

Naphthalene  
Concen: 3.015 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX005905.D  
Acq: 12 Nov 2018 17:21

Tgt Ion:128 Resp: 9927  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.4 15.6  
129 10.9 8.7 13.1

