

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\  
 Data File : VX002493.D  
 Acq On : 13 Jun 2018 03:58  
 Operator : JC/MD  
 Sample : J3247-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OR-03-061118

Quant Time: Jun 13 07:24:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

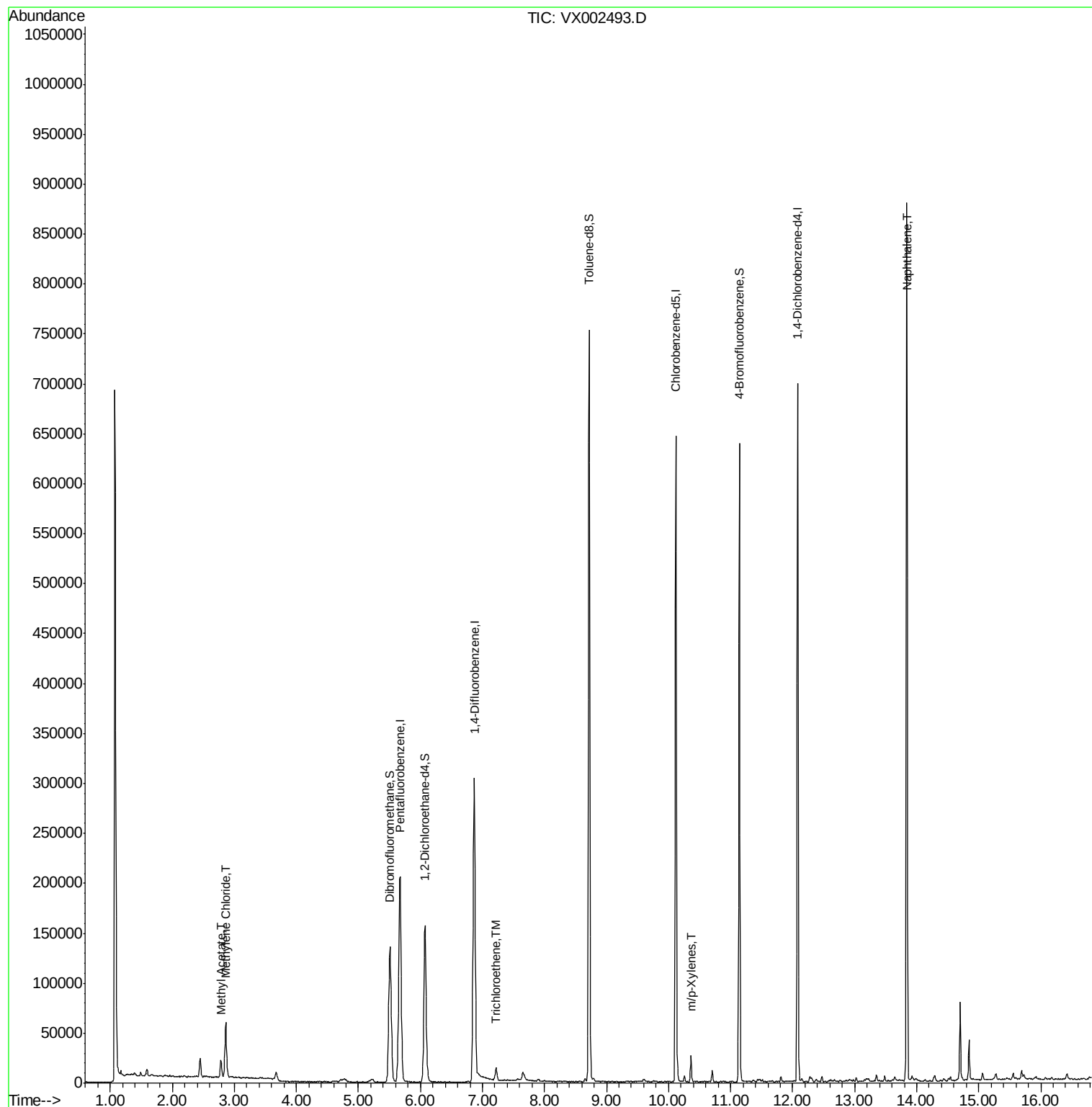
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 199647   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 292885   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 271011   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 141364   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 147580   | 51.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.64% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 109980   | 47.75  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.50%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 428933   | 48.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.18%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 143150   | 42.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.10%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 18) Methyl Acetate          | 2.78  | 43   | 21082    | 4.939  | ug/l    | 98       |
| 20) Methylene Chloride      | 2.86  | 84   | 24206    | 8.425  | ug/l    | 95       |
| 44) Trichloroethene         | 7.22  | 130  | 3973     | 1.516  | ug/l    | 92       |
| 68) m/p-Xylenes             | 10.36 | 106  | 5398     | 1.230  | ug/l    | 98       |
| 95) Naphthalene             | 13.84 | 128  | 522645   | 50.794 | ug/l    | 100      |

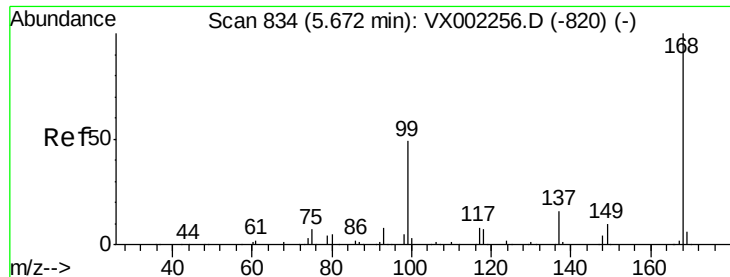
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061218\  
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Instrument :  
MSVOA\_X  
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Quant Time: Jun 13 07:24:58 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 05 03:22:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002493.D

Acq: 13 Jun 2018 03:58

Instrument :

MSVOA\_X

ClientSampleId :

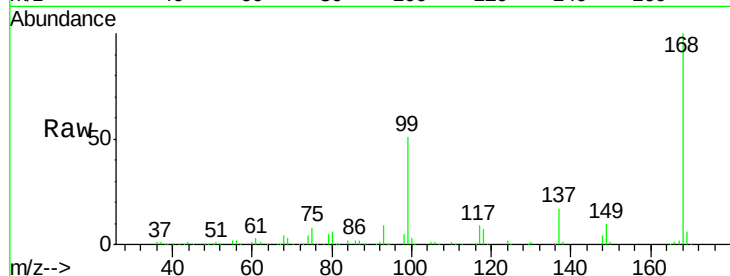
OR-03-061118

Tot Ion:168 Resp: 199647

Ion Ratio Lower Upper

168 100

99 50.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

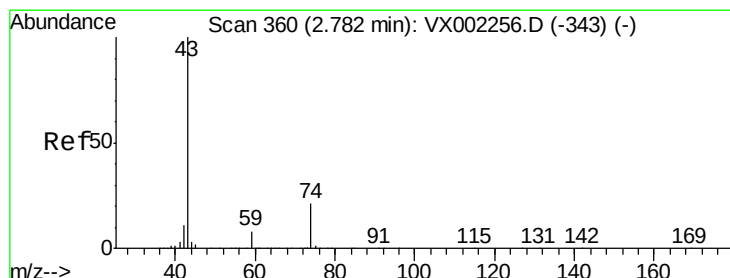
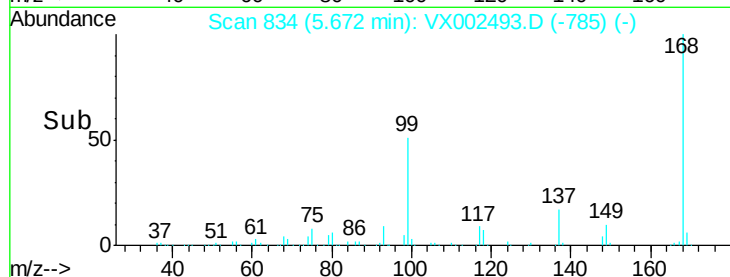
40000

20000

0

Time-->

5.60 5.70 5.80



#18

Methyl Acetate

Concen: 4.939 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002493.D

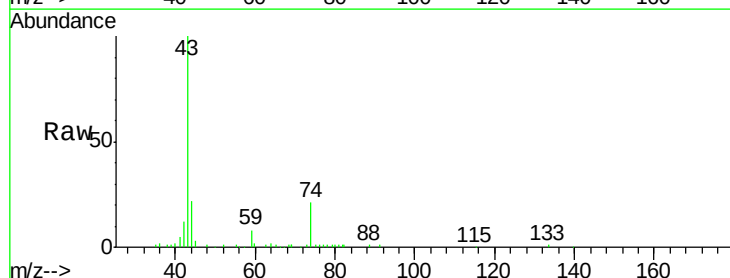
Acq: 13 Jun 2018 03:58

Tgt Ion: 43 Resp: 21082

Ion Ratio Lower Upper

43 100

74 21.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

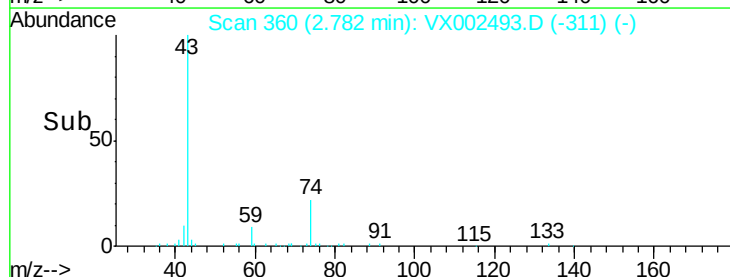
10000

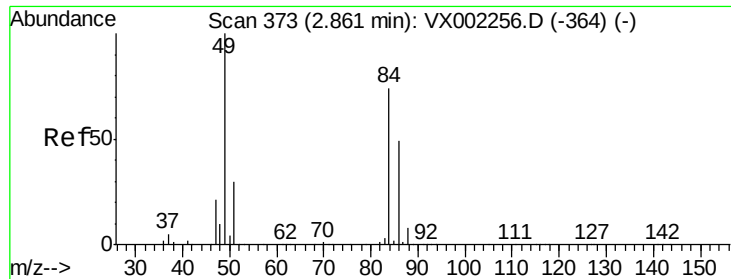
5000

0

Time-->

2.70 2.75 2.80 2.85

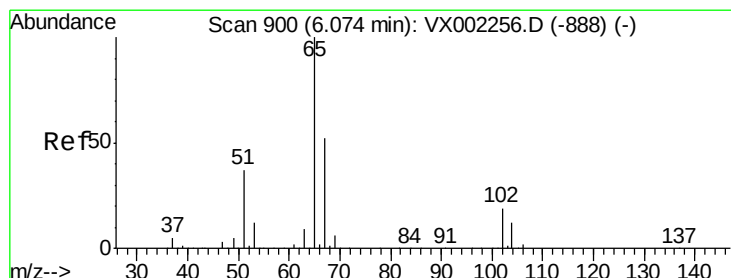
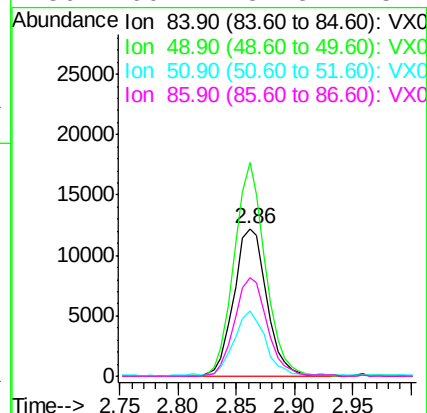
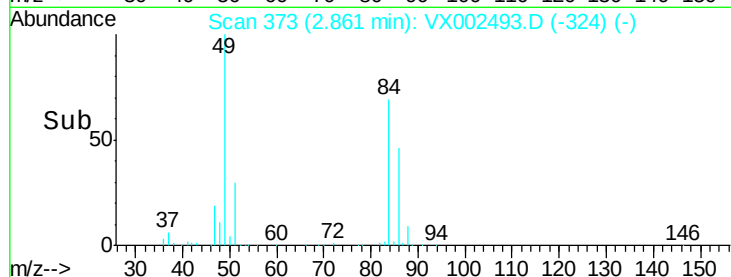
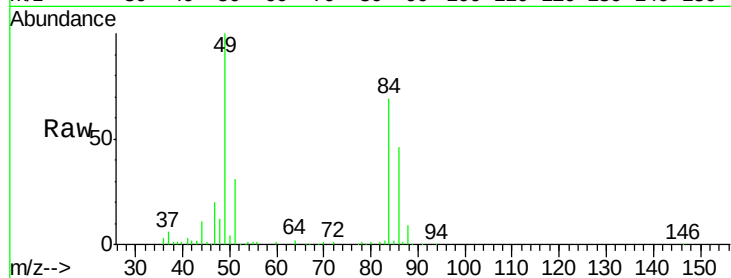




#20  
Methylene Chloride  
Concen: 8.425 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX002493.D  
Acq: 13 Jun 2018 03:58

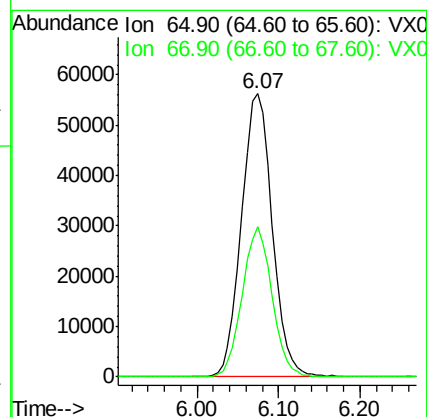
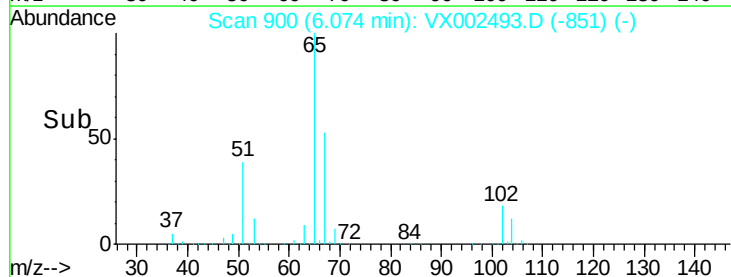
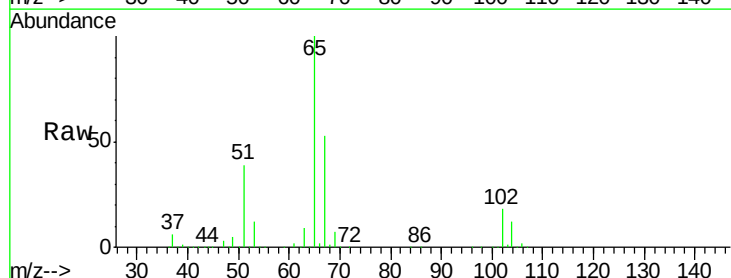
Instrument :  
MSVOA\_X  
ClientSampleId :  
OR-03-061118

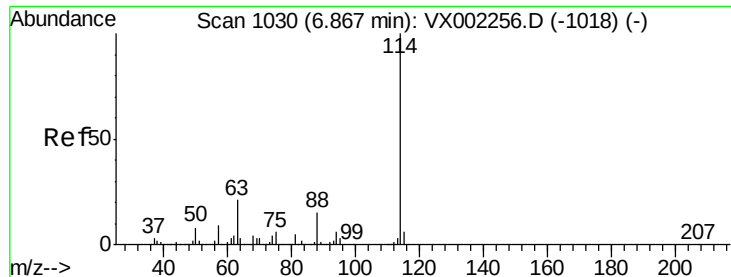
Tot Ion: 84 Resp: 24206  
Ion Ratio Lower Upper  
84 100  
49 144.0 107.8 161.6  
51 43.3 32.8 49.2  
86 66.7 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.818 ug/l  
RT: 6.07 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VX002493.D  
Acq: 13 Jun 2018 03:58

Tgt Ion: 65 Resp: 147580  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 102.6

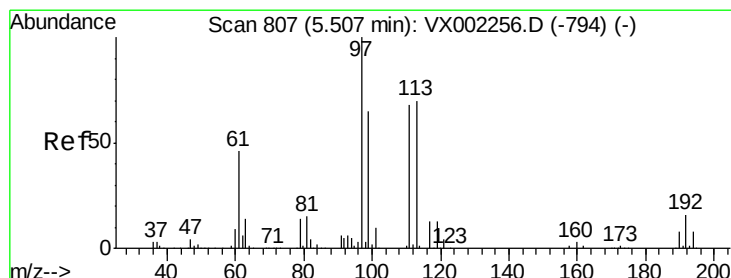
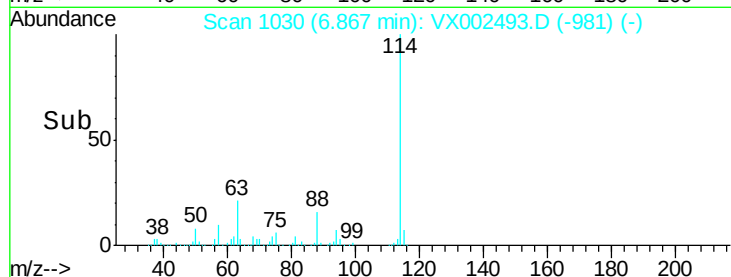
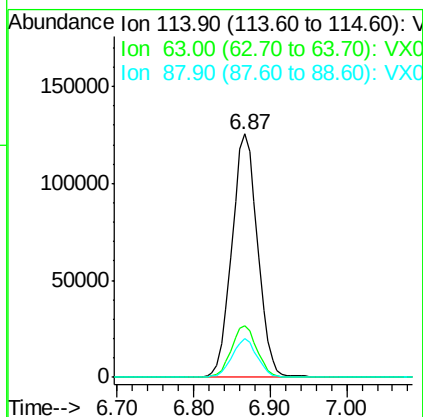
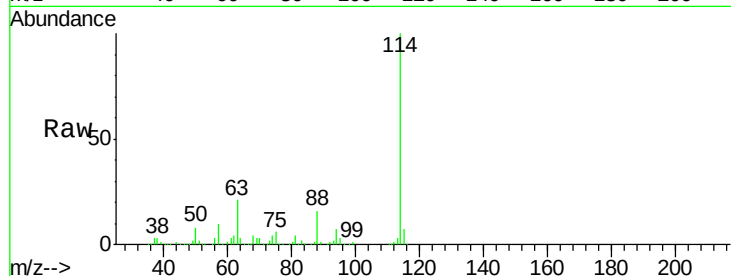




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX002493.D  
 Acq: 13 Jun 2018 03:58

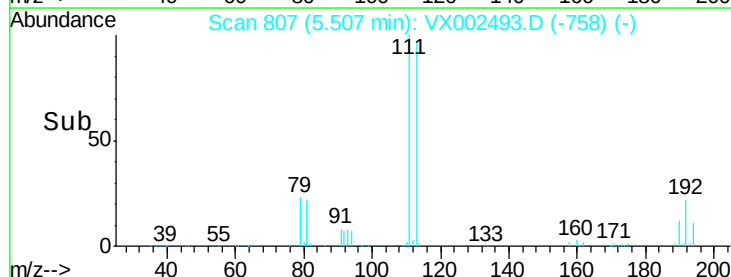
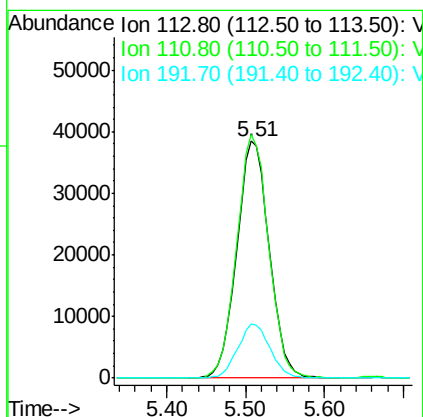
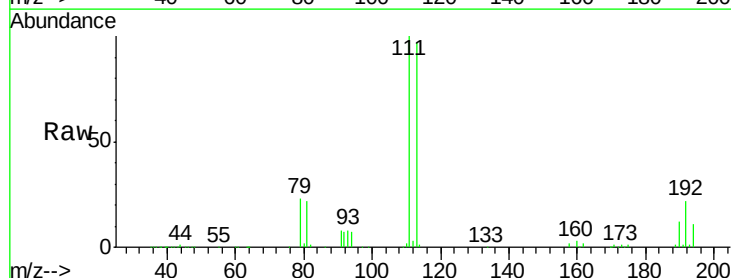
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OR-03-061118

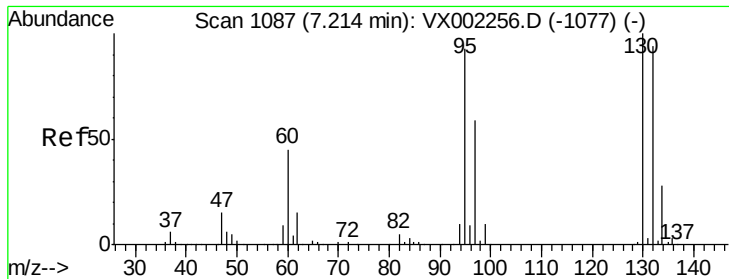
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.3  | 0.0   | 41.4  |
| 88      | 15.8  | 0.0   | 30.0  |



#35  
 Dibromofluoromethane  
 Concen: 47.749 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX002493.D  
 Acq: 13 Jun 2018 03:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.1 | 81.4  | 122.0 |
| 192     | 22.8  | 19.1  | 28.7  |





#44

Trichloroethene

Concen: 1.516 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002493.D

Acq: 13 Jun 2018 03:58

Instrument :

MSVOA\_X

ClientSampleId :

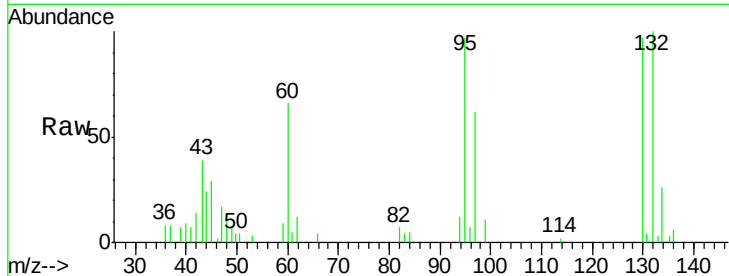
OR-03-061118

Tot Ion:130 Resp: 3973

Ion Ratio Lower Upper

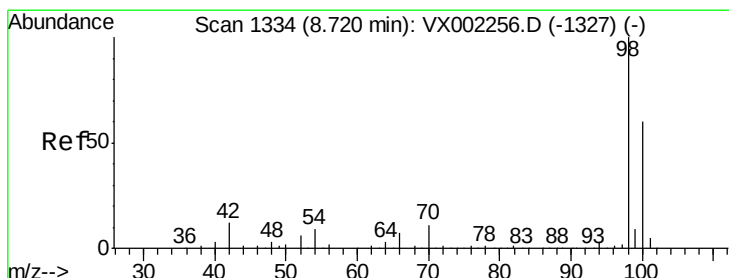
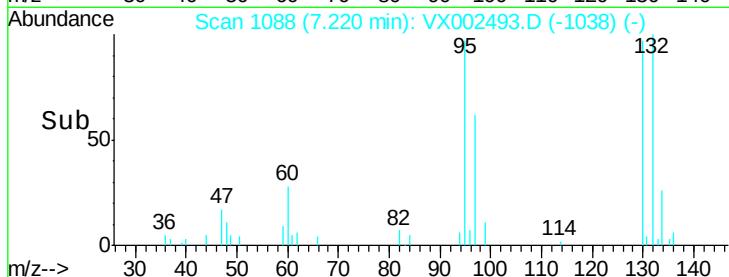
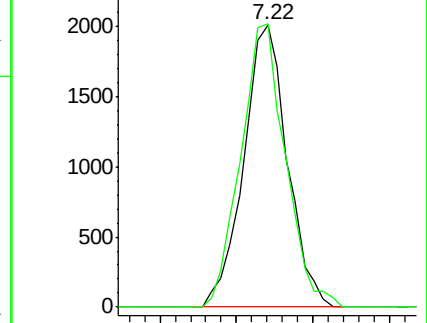
130 100

95 100.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.586 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002493.D

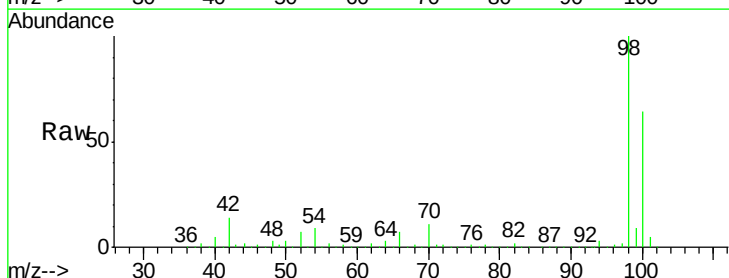
Acq: 13 Jun 2018 03:58

Tgt Ion: 98 Resp: 428933

Ion Ratio Lower Upper

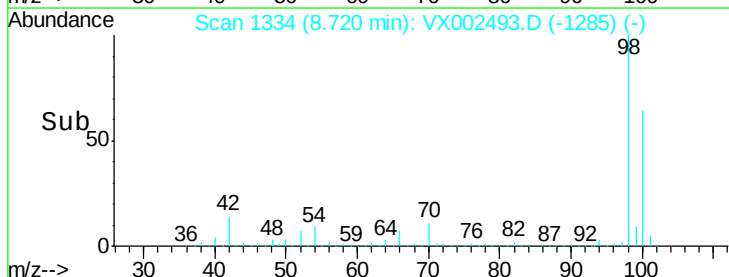
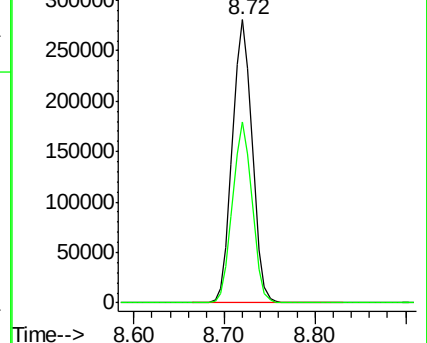
98 100

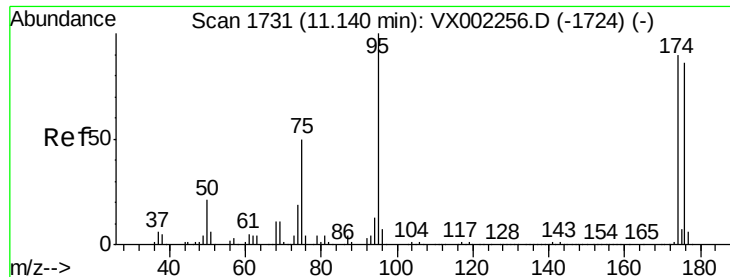
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

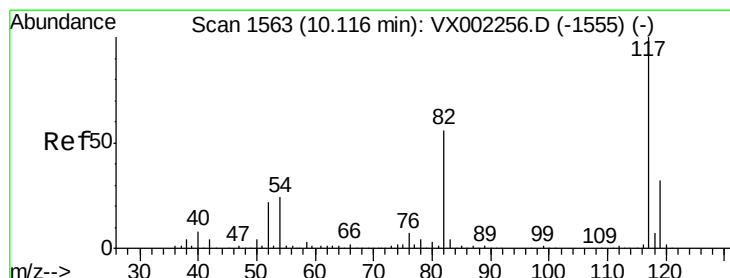
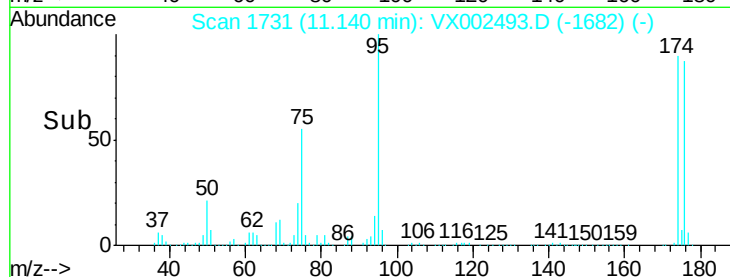
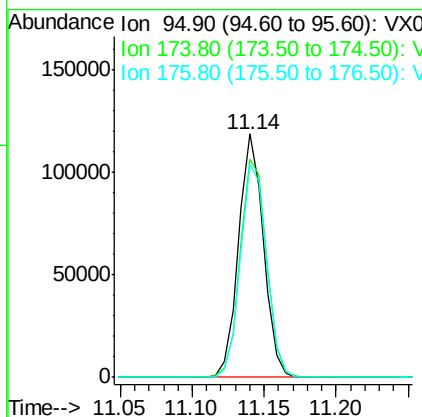
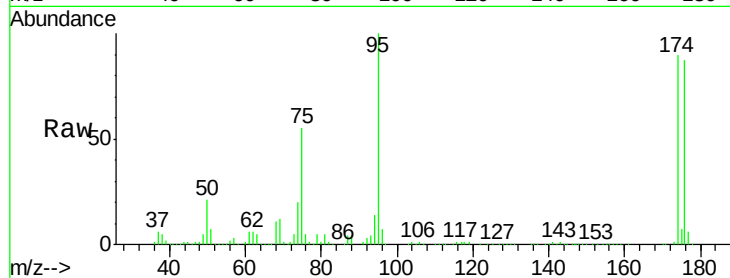




#62  
4-Bromofluorobenzene  
Concen: 42.050 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX002493.D  
Acq: 13 Jun 2018 03:58

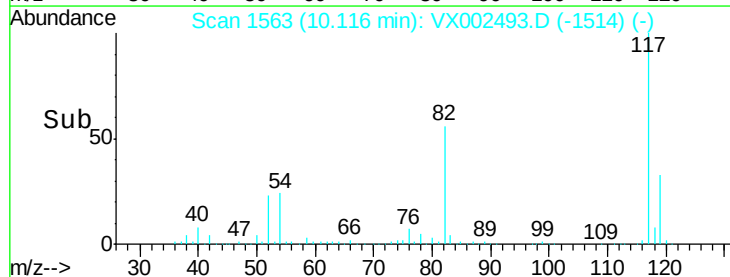
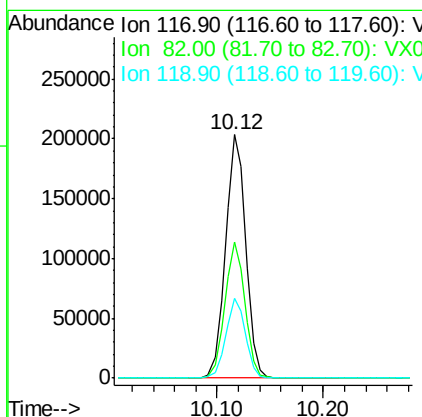
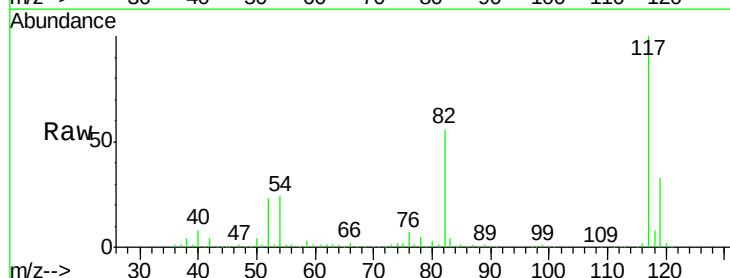
Instrument :  
MSVOA\_X  
ClientSampleId :  
OR-03-061118

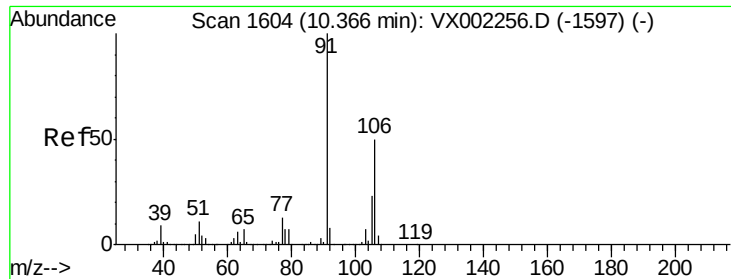
Tot Ion: 95 Resp: 143150  
Ion Ratio Lower Upper  
95 100  
174 94.3 0.0 187.4  
176 91.7 0.0 181.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX002493.D  
Acq: 13 Jun 2018 03:58

Tgt Ion: 117 Resp: 271011  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.0 67.4  
119 32.7 25.8 38.6

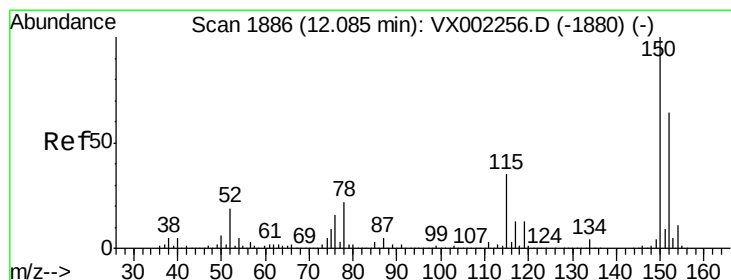
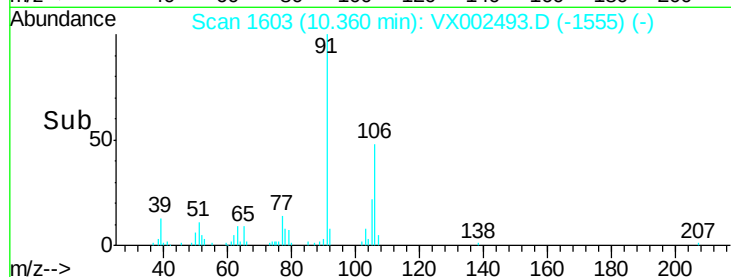
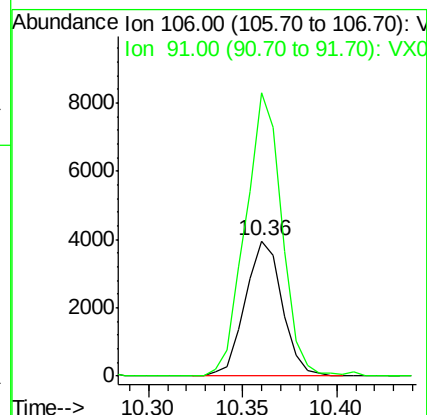
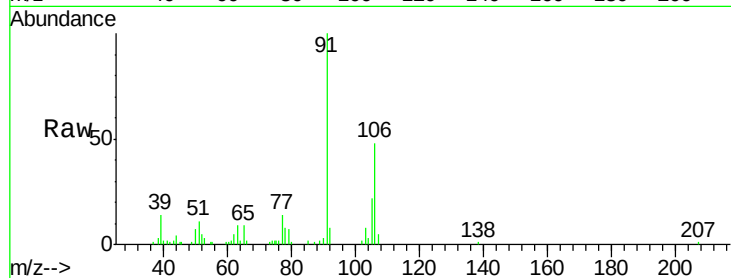




#68  
m/p-Xvlenes  
Concen: 1.230 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.01 min  
Lab File: VX002493.D  
Acq: 13 Jun 2018 03:58

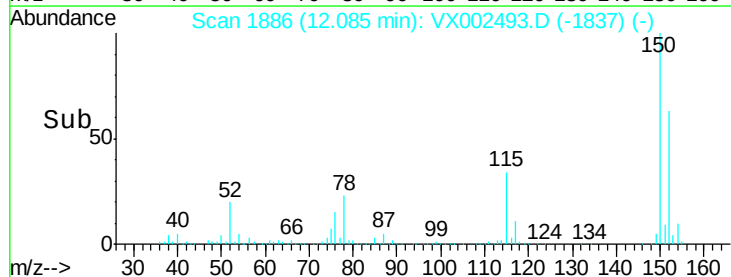
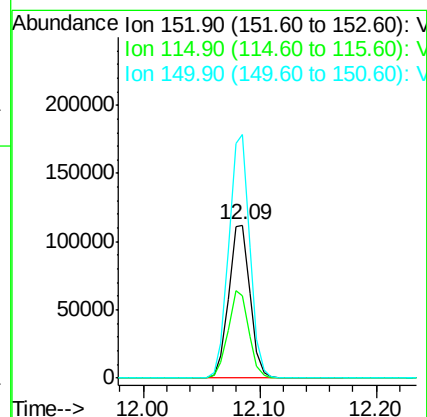
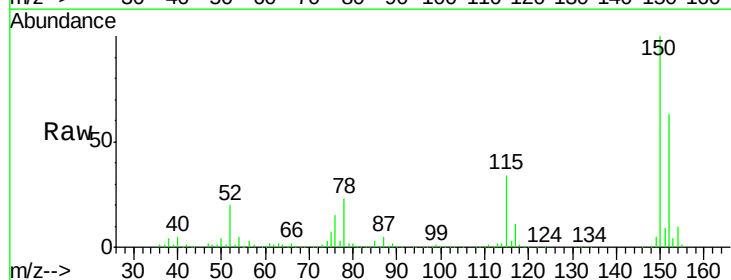
Instrument :  
MSVOA\_X  
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OR-03-061118

Tot Ion:106 Resp: 5398  
Ion Ratio Lower Upper  
106 100  
91 207.4 163.4 245.2

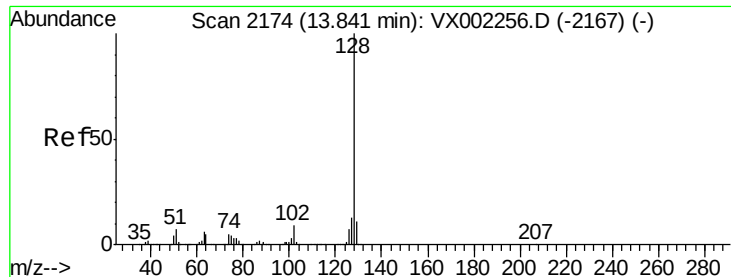


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX002493.D  
Acq: 13 Jun 2018 03:58

Tgt Ion:152 Resp: 141364  
Ion Ratio Lower Upper  
152 100  
115 55.7 40.1 120.2  
150 157.2 0.0 347.2



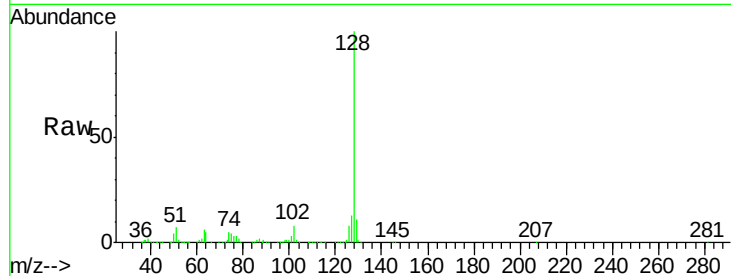




#95  
Naphthalene  
Concen: 50.794 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: VX002493.D  
Acq: 13 Jun 2018 03:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
OR-03-061118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.4  | 15.6  |
| 129     | 10.9  | 8.6   | 13.0  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

