

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX122920\  
 Data File : VX020430.D  
 Acq On : 29 Dec 2020 13:35  
 Operator : JC/MD  
 Sample : L5236-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1017-MW-03A(17)

Quant Time: Dec 30 02:36:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 2020  
 Response via : Initial Calibration

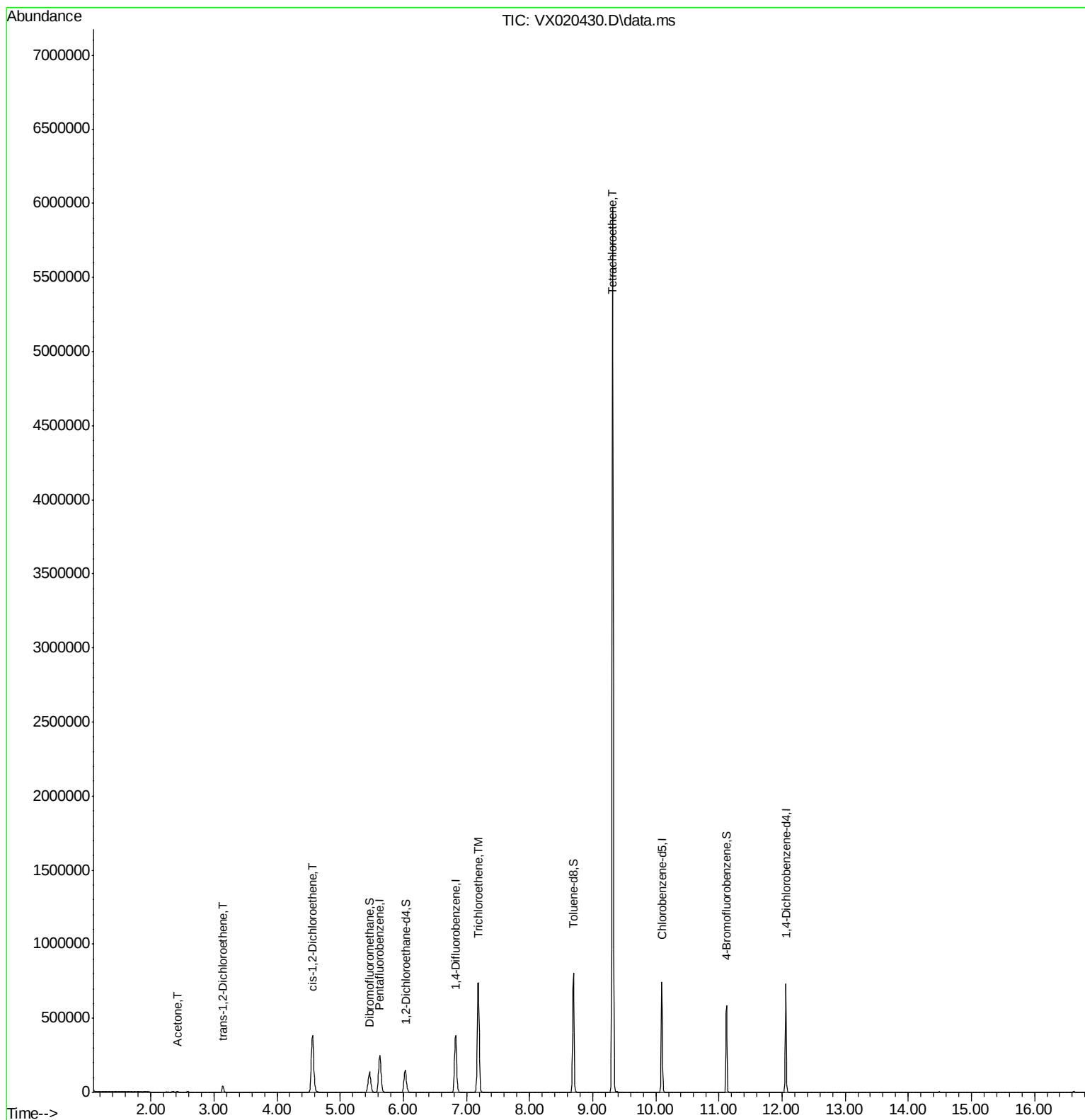
| Compound                     | R.T.   | QIon           | Response | Conc   | Units  | Dev(Min) |
|------------------------------|--------|----------------|----------|--------|--------|----------|
| -----                        |        |                |          |        |        |          |
| Internal Standards           |        |                |          |        |        |          |
| 1) Pentafluorobenzene        | 5.629  | 168            | 243439   | 50.00  | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene      | 6.830  | 114            | 398227   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.098 | 117            | 364995   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.061 | 152            | 152677   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds  |        |                |          |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.031  | 65             | 144456   | 44.27  | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 61 - 141 | Recovery | =      | 88.54% |          |
| 35) Dibromofluoromethane     | 5.465  | 113            | 123425   | 48.45  | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 69 - 133 | Recovery | =      | 96.90% |          |
| 50) Toluene-d8               | 8.696  | 98             | 478533   | 48.80  | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 65 - 126 | Recovery | =      | 97.60% |          |
| 62) 4-Bromofluorobenzene     | 11.122 | 95             | 166162   | 44.27  | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 58 - 135 | Recovery | =      | 88.54% |          |
| Target Compounds             |        |                |          |        |        |          |
| 16) Acetone                  | 2.416  | 43             | 5691     | 3.82   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.142  | 96             | 19519    | 6.47   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.562  | 96             | 253829   | 74.53  | ug/l   | 90       |
| 44) Trichloroethene          | 7.190  | 130            | 295527   | 93.32  | ug/l   | 99       |
| 64) Tetrachloroethene        | 9.317  | 164            | 1174623  | 427.12 | ug/l   | 95       |
| -----                        |        |                |          |        |        |          |

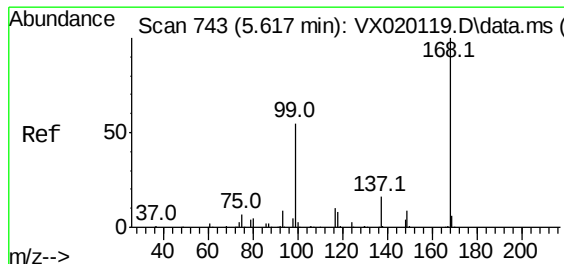
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
Response via : Initial Calibration

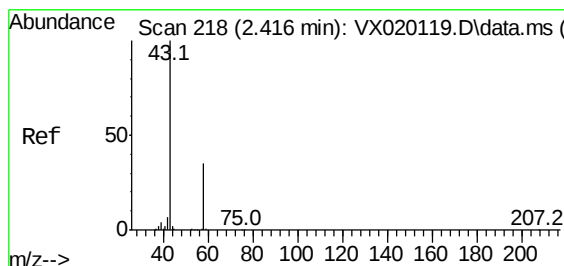
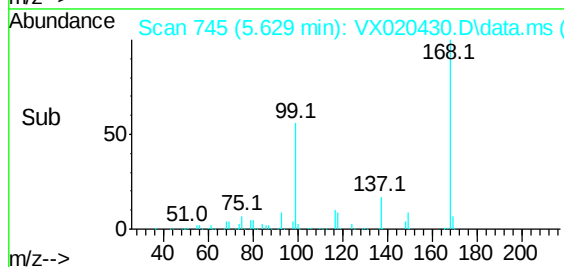
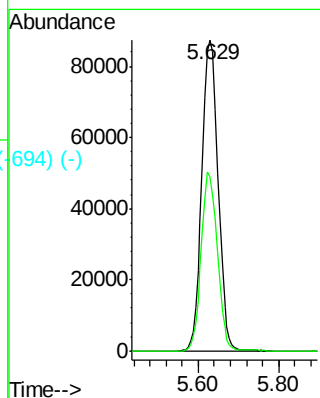
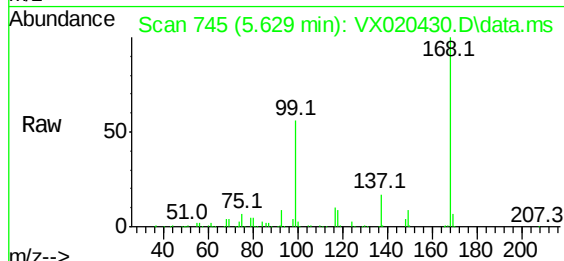




Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.012 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

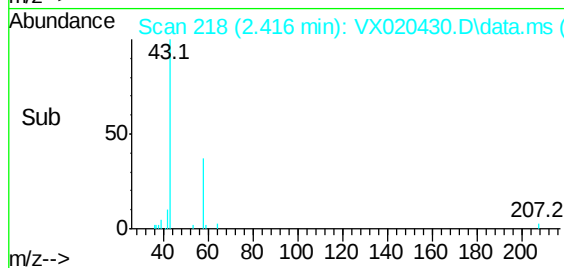
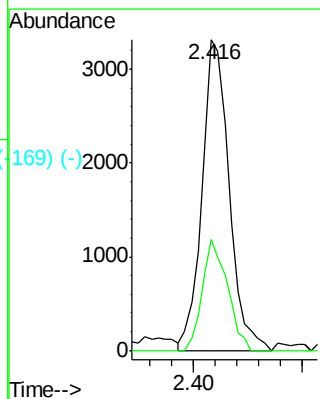
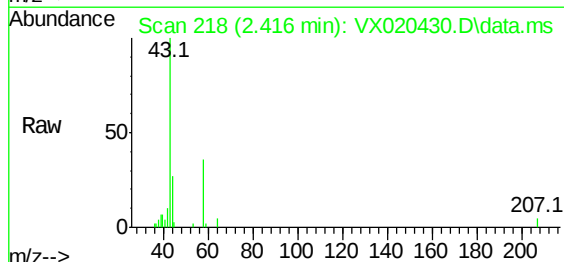
Instrument :  
MSVOA\_X  
ClientSampleId :  
1017-MW-03A(17)

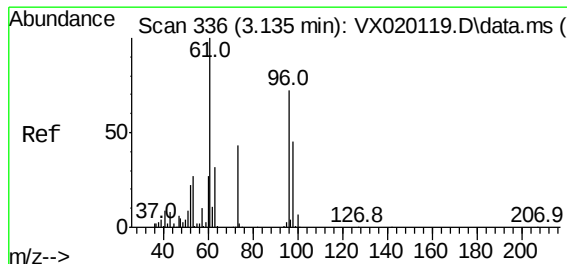
Tgt Ion:168 Resp: 243439  
Ion Ratio Lower Upper  
168 100  
99 56.1 45.8 68.6



Acetone  
Concen: 3.82 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

Tgt Ion: 43 Resp: 5691  
Ion Ratio Lower Upper  
43 100  
58 35.9 27.8 41.8

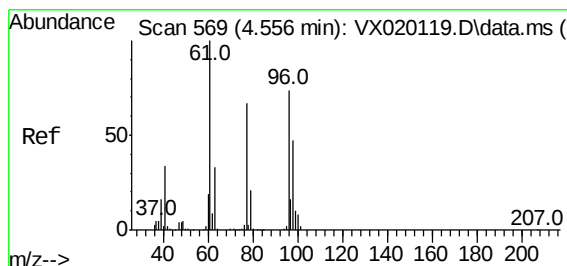
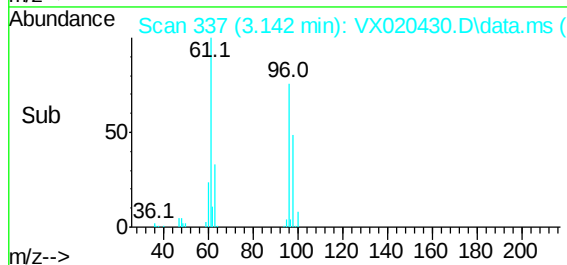
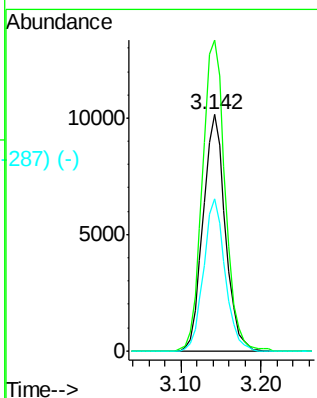
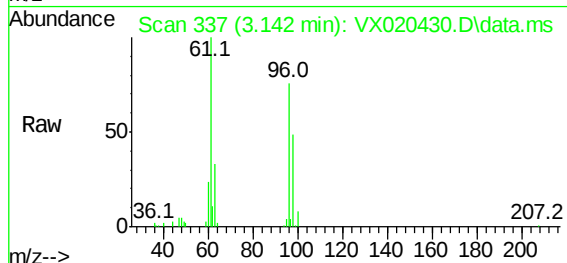




trans-1,2-Dichloroethene  
Concen: 6.47 ug/l  
RT: 3.142 min Scan# 337  
Delta R.T. 0.007 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

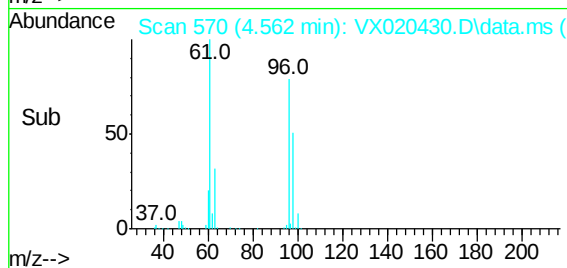
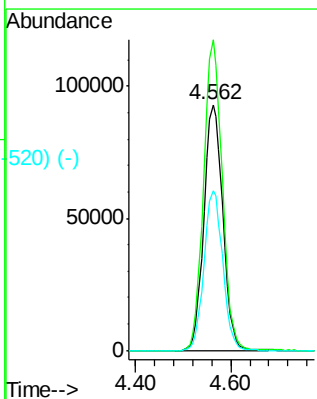
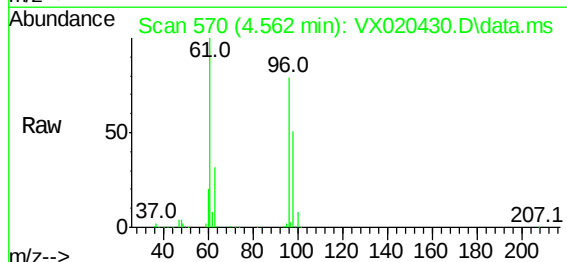
Instrument :  
MSVOA\_X  
ClientSampleId :  
1017-MW-03A(17)

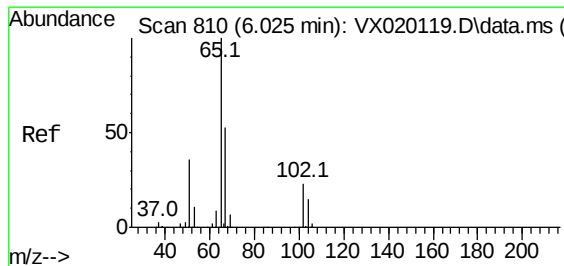
Tgt Ion: 96 Resp: 19519  
Ion Ratio Lower Upper  
96 100  
61 131.5 107.7 161.5  
98 64.1 50.4 75.6



cis-1,2-Dichloroethene  
Concen: 74.53 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

Tgt Ion: 96 Resp: 253829  
Ion Ratio Lower Upper  
96 100  
61 125.0 0.0 285.6  
98 64.6 0.0 129.6



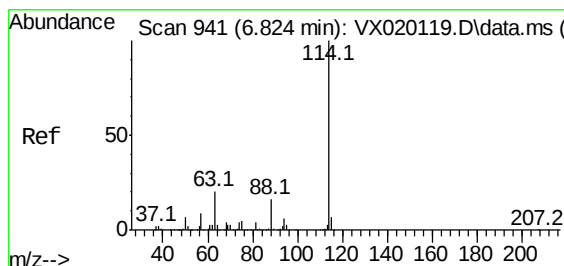
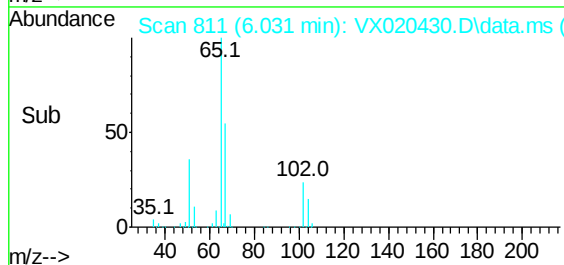
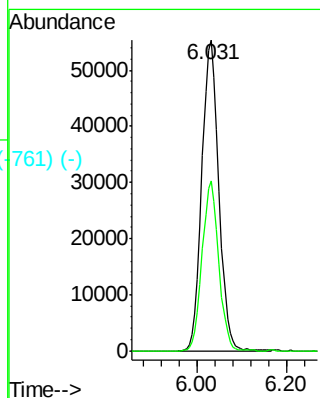
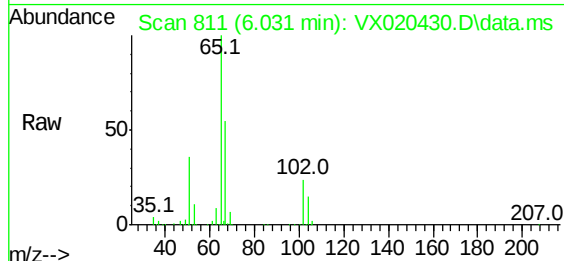


1,2-Dichloroethane-d4  
 Concen: 44.27 ug/l  
 RT: 6.031 min Scan# 811  
 Delta R.T. 0.006 min  
 Lab File: VX020430.D  
 Acq: 29 Dec 2020 13:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1017-MW-03A(17)

Tgt Ion: 65 Resp: 144456  

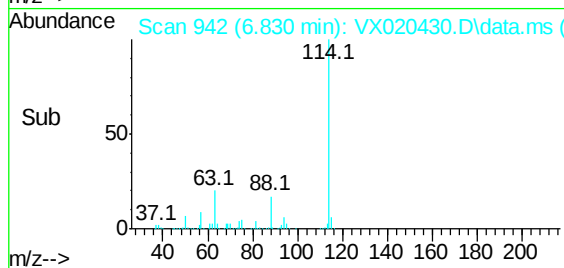
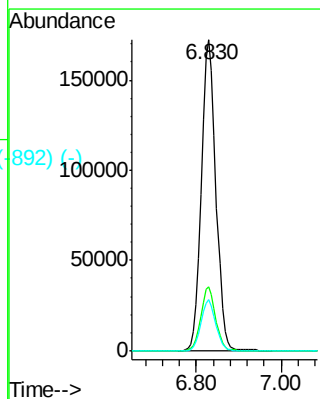
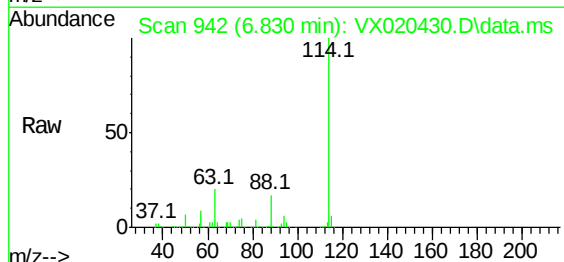
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.7  | 0.0   | 105.4 |

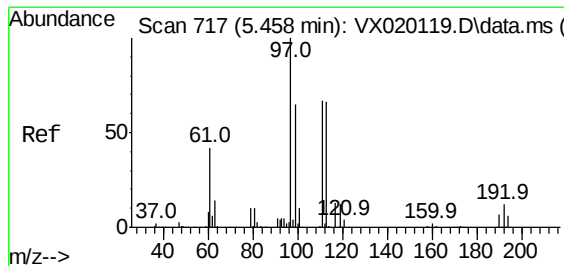


1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.830 min Scan# 942  
 Delta R.T. 0.006 min  
 Lab File: VX020430.D  
 Acq: 29 Dec 2020 13:35

Tgt Ion: 114 Resp: 398227  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.4  | 0.0   | 40.8  |
| 88  | 16.5  | 0.0   | 32.8  |

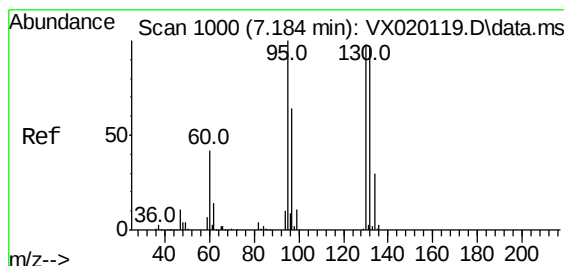
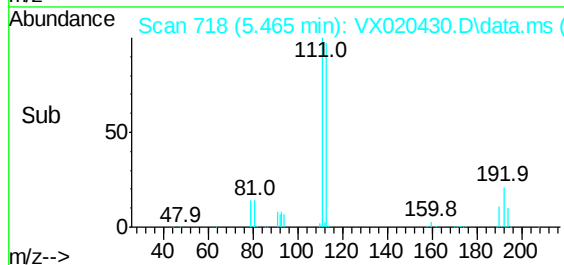
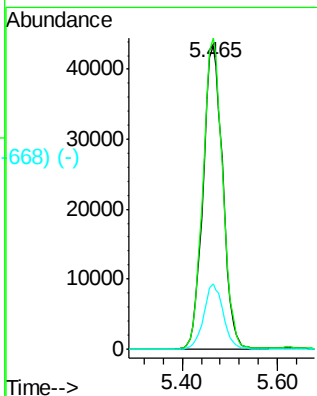
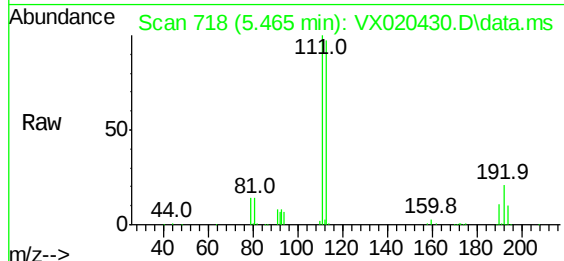




Dibromofluoromethane  
Concen: 48.45 ug/l  
RT: 5.465 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

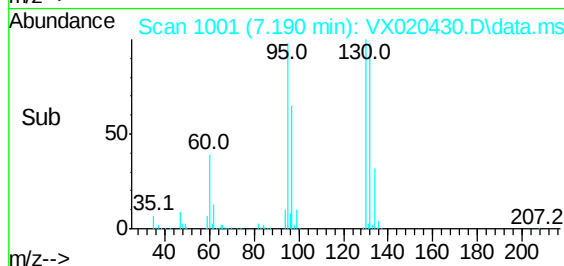
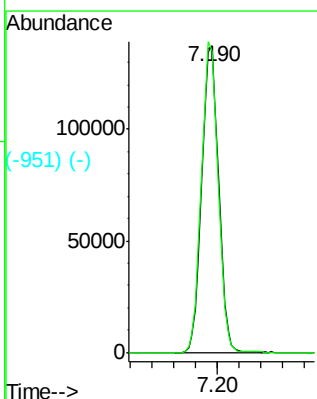
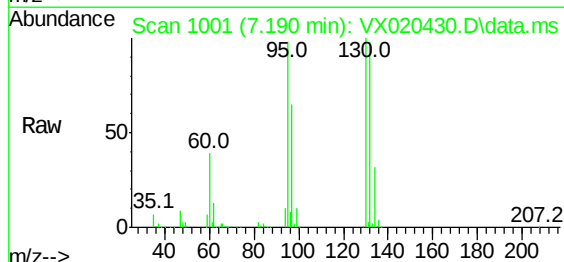
Instrument :  
MSVOA\_X  
ClientSampleId :  
1017-MW-03A(17)

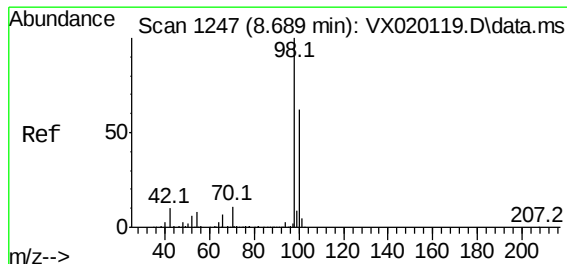
Tgt Ion:113 Resp: 123425  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.9 122.9  
192 20.9 16.7 25.1



Trichloroethene  
Concen: 93.32 ug/l  
RT: 7.190 min Scan# 1001  
Delta R.T. 0.006 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

Tgt Ion:130 Resp: 295527  
Ion Ratio Lower Upper  
130 100  
95 98.3 0.0 198.0

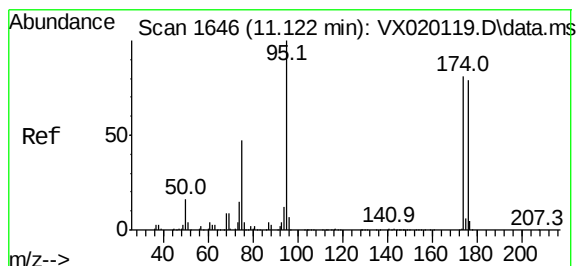
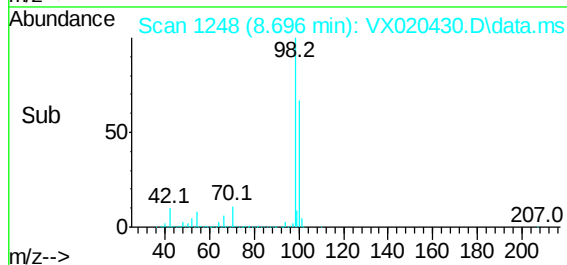
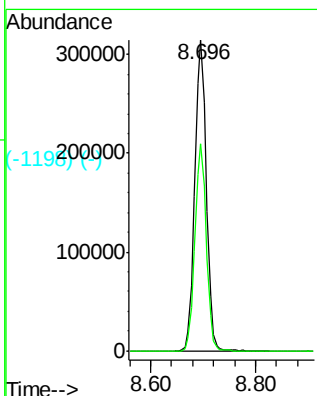
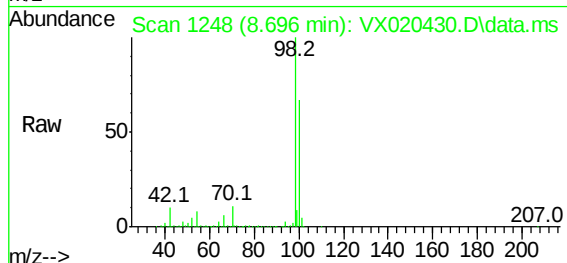




#599 (-)  
Toluene-d8  
Concen: 48.80 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.007 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

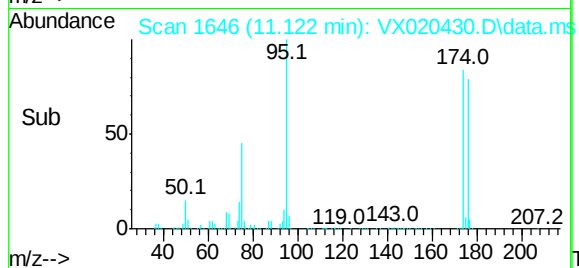
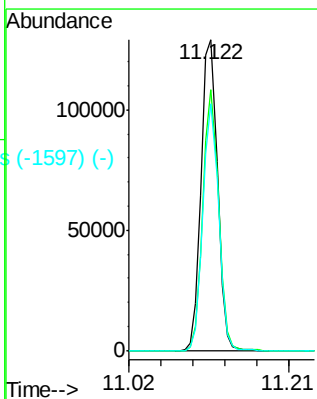
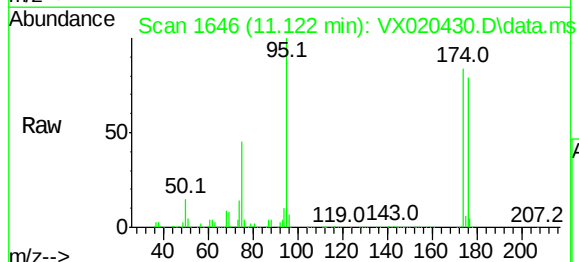
Instrument :  
MSVOA\_X  
ClientSampleId :  
1017-MW-03A(17)

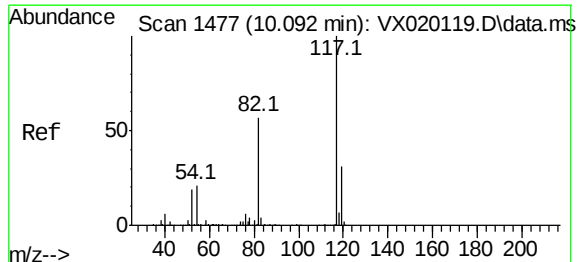
Tgt Ion: 98 Resp: 478533  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.9 77.9



#639 (-)  
4-Bromofluorobenzene  
Concen: 44.27 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.000 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

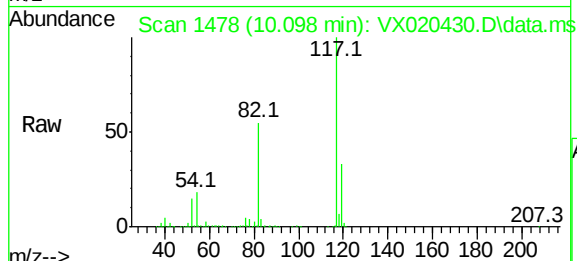
Tgt Ion: 95 Resp: 166162  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 154.6  
176 76.2 0.0 155.8



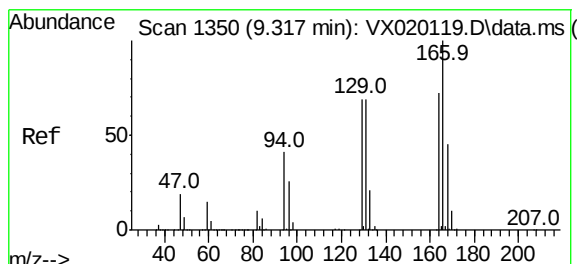
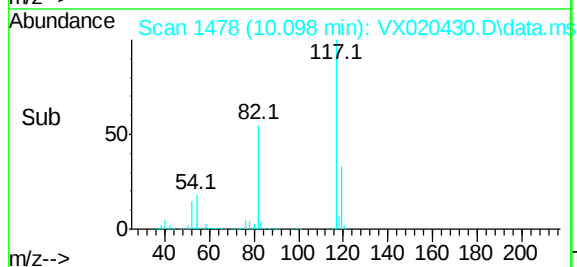
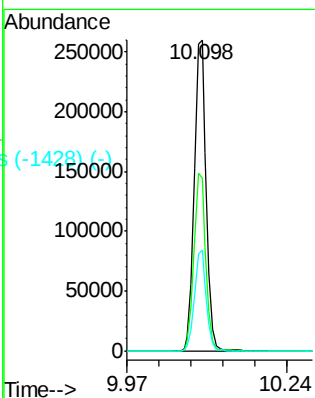


#6270 (-)  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.098 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
1017-MW-03A(17)

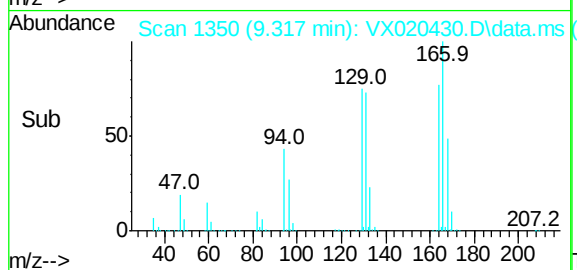
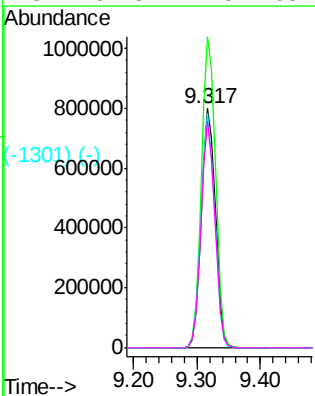
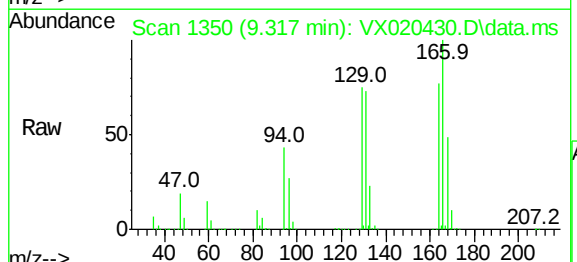


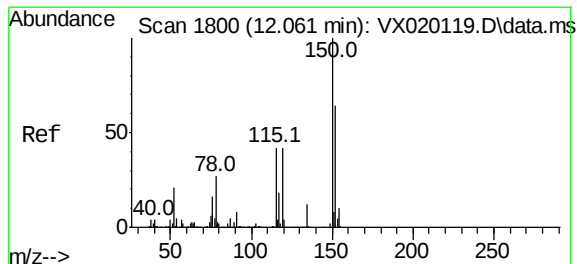
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 364995 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 55.4  | 47.4  | 71.2   |
| 119       | 32.6  | 26.6  | 39.8   |



#642 (-)  
Tetrachloroethene  
Concen: 427.12 ug/l  
RT: 9.317 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VX020430.D  
Acq: 29 Dec 2020 13:35

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 164   | Resp: | 1174623 |
| Ion Ratio | Lower | Upper |         |
| 164       | 100   |       |         |
| 166       | 130.3 | 103.4 | 155.2   |
| 129       | 98.3  | 70.8  | 106.2   |
| 131       | 94.8  | 72.5  | 108.7   |





#1794 (-)  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. -0.000 min  
 Lab File: VX020430.D  
 Acq: 29 Dec 2020 13:35

**Instrument :**  
 MSVOA\_X  
**ClientSampleId :**  
 1017-MW-03A(17)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 152677 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 58.9  | 41.1  | 123.3  |
| 150      | 155.7 | 0.0   | 349.0  |

