

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
 Data File : VX020172.D  
 Acq On : 19 Dec 2020 15:38  
 Operator : JC/MD  
 Sample : L5053-20DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE120D1-20201210DL

Quant Time: Dec 21 02:33:09 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

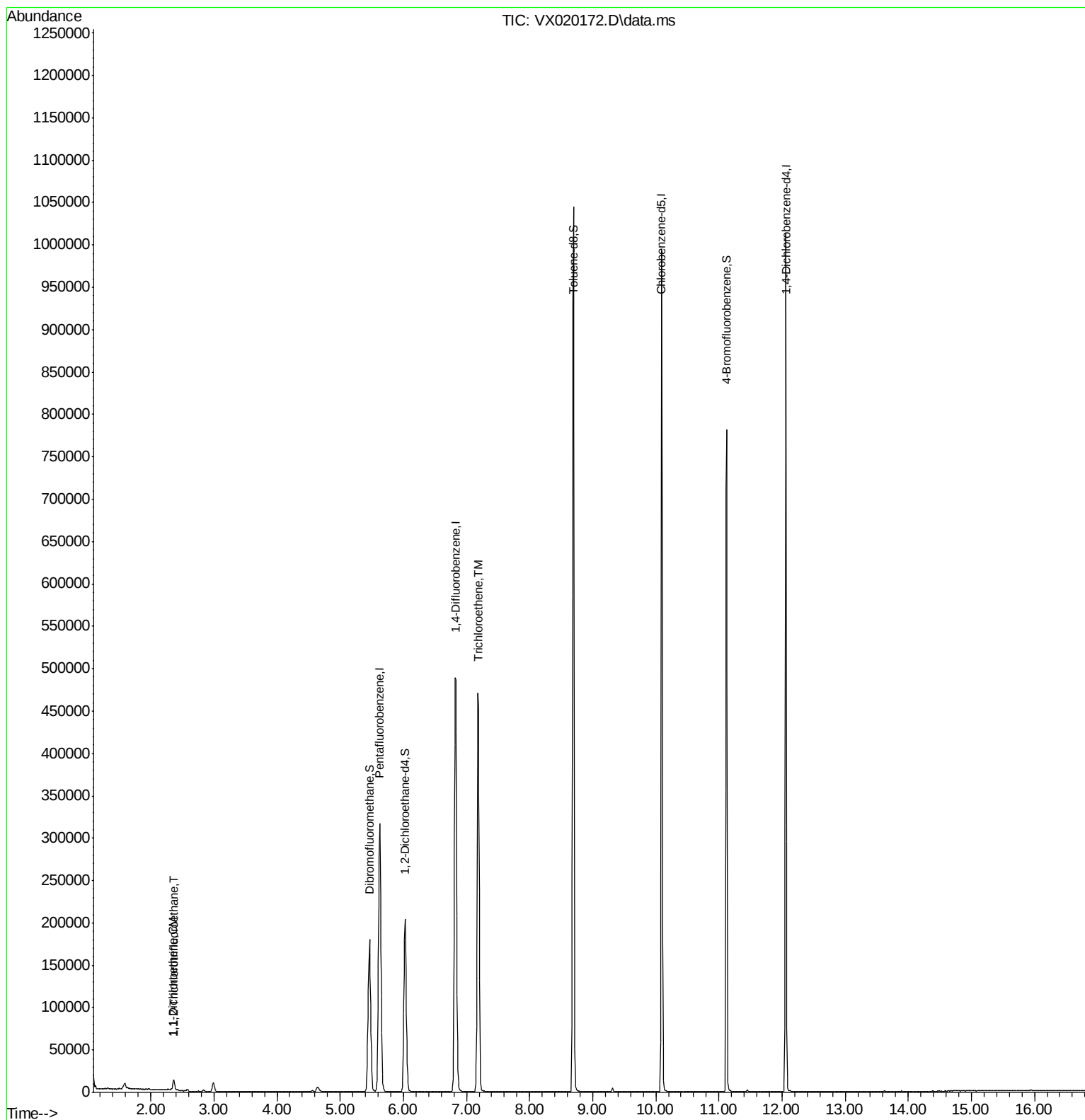
| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 5.629  | 168   | 303219   | 50.00    | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene      | 6.824  | 114   | 505718   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.092 | 117   | 461571   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.061 | 152   | 199814   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 6.025  | 65    | 197261   | 48.53    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =     | 97.06%   |
| 35) Dibromofluoromethane     | 5.464  | 113   | 157067   | 48.55    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =     | 97.10%   |
| 50) Toluene-d8               | 8.696  | 98    | 615064   | 49.39    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =     | 98.78%   |
| 62) 4-Bromofluorobenzene     | 11.122 | 95    | 212296   | 44.54    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =     | 89.08%   |
| Target Compounds             |        |       |          |          |       |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.367  | 101   | 2808     | 0.93     | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 2.355  | 96    | 1846     | 0.60     | ug/l  | 91       |
| 44) Trichloroethene          | 7.190  | 130   | 184612   | 45.90    | ug/l  | 99       |
| -----                        |        |       |          |          |       |          |

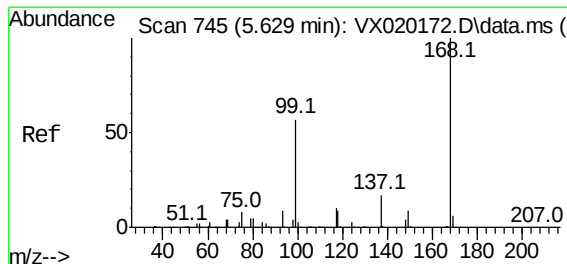
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D1-20201210DL

Quant Time: Dec 21 02:33:09 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

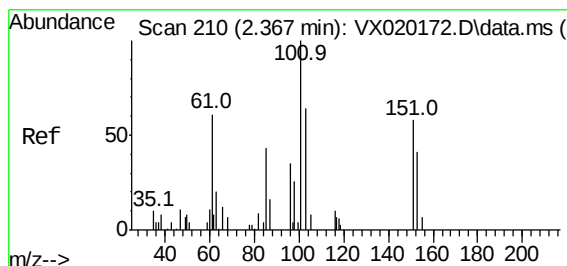
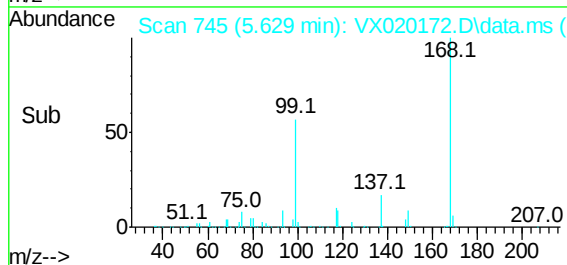
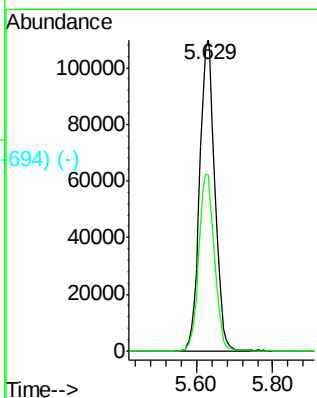
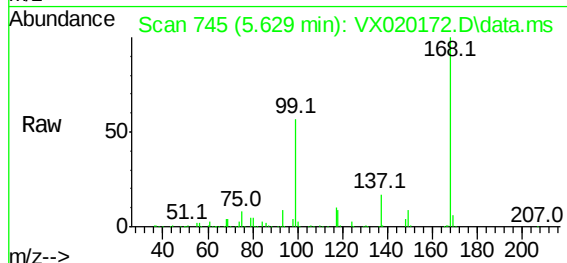




Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.012 min  
Lab File: VX020172.D  
Acq: 19 Dec 2020 15:38

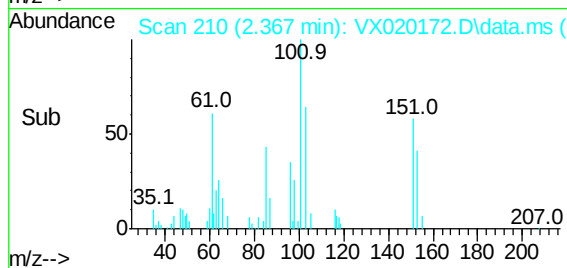
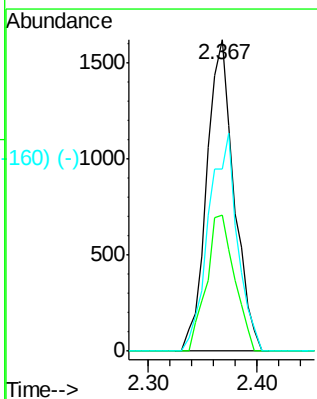
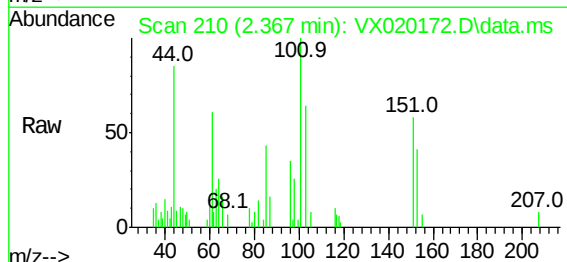
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D1-20201210DL

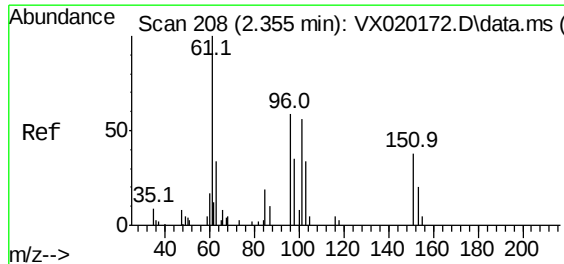
Tgt Ion:168 Resp: 303219  
Ion Ratio Lower Upper  
168 100  
99 56.6 45.8 68.6



1,1,2-Trichlorotrifluoroethane  
Concen: 0.93 ug/l  
RT: 2.367 min Scan# 210  
Delta R.T. 0.006 min  
Lab File: VX020172.D  
Acq: 19 Dec 2020 15:38

Tgt Ion:101 Resp: 2808  
Ion Ratio Lower Upper  
101 100  
85 44.4 34.9 52.3  
151 74.1 61.4 92.2

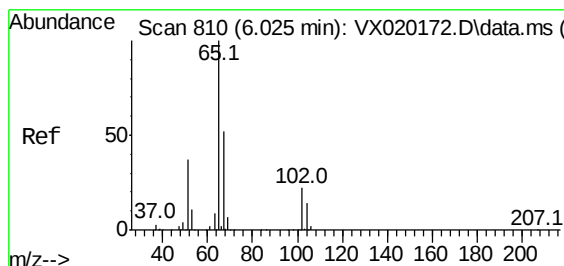
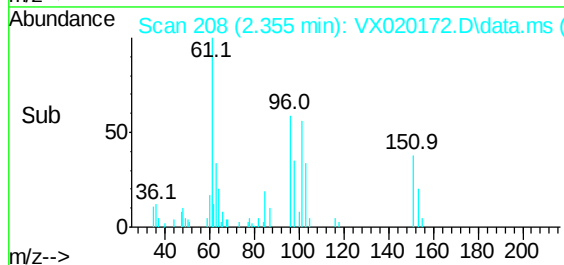
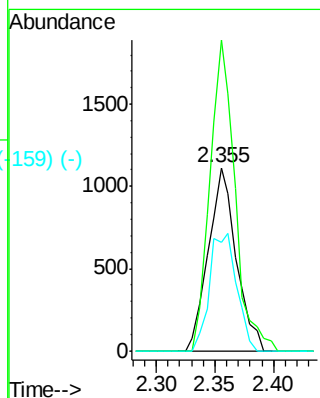
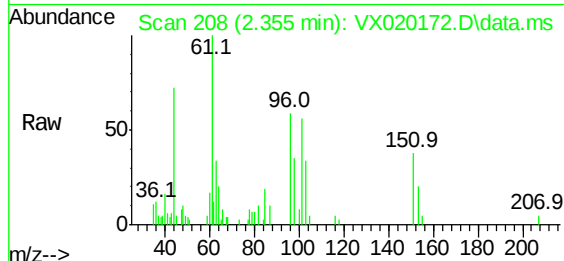




Scan 208 (2.355 min): VX020172.D\data.ms (-159) (-)  
 1,1-Dichloroethene  
 Concen: 0.60 ug/l  
 RT: 2.355 min Scan# 208  
 Delta R.T. 0.000 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

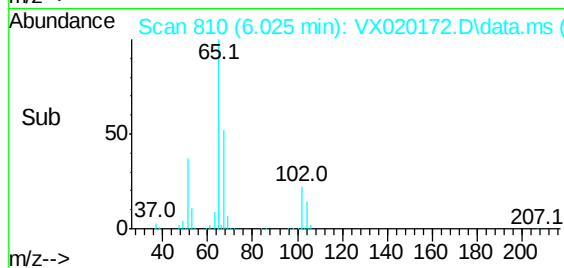
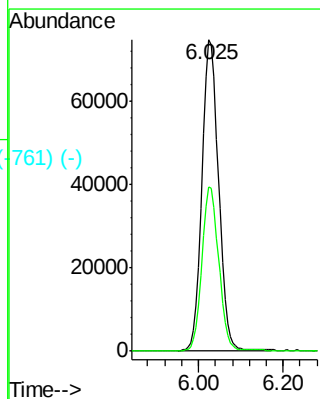
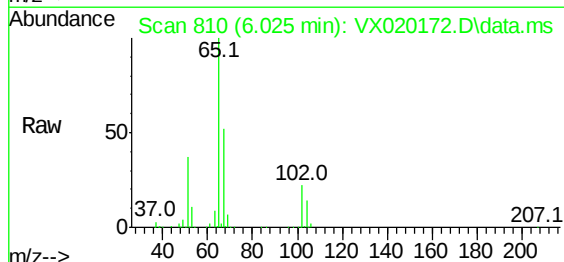
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE120D1-20201210DL

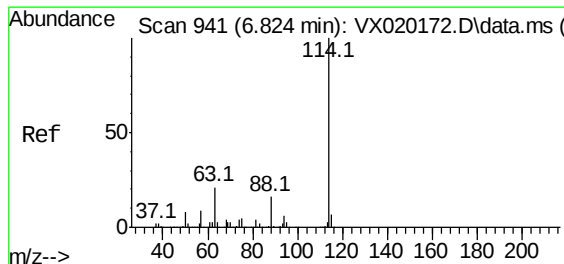
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 1846  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 169.8 | 124.6 | 187.0 |
| 98       | 59.6  | 50.6  | 76.0  |



Scan 810 (6.025 min): VX020172.D\data.ms (-761) (-)  
 1,2-Dichloroethane-d4  
 Concen: 48.53 ug/l  
 RT: 6.025 min Scan# 810  
 Delta R.T. 0.000 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 197261 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.0  | 0.0   | 105.4  |

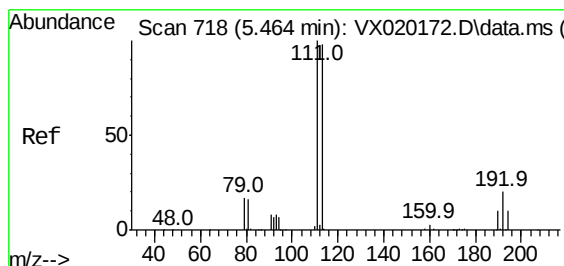
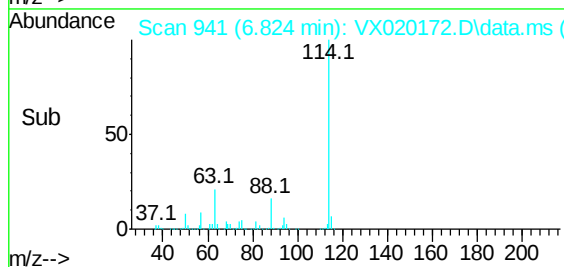
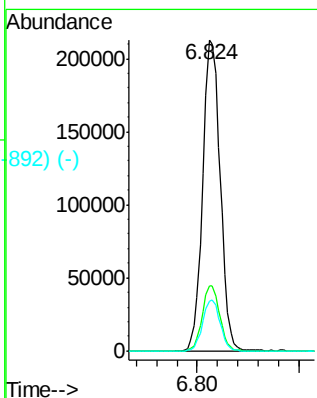
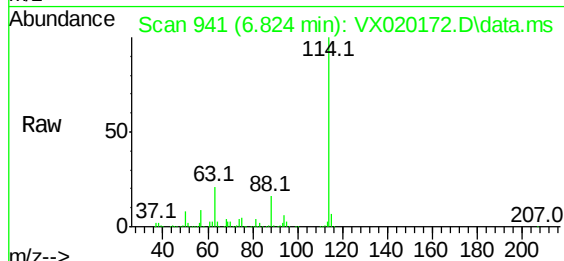




1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.824 min Scan# 941  
 Delta R.T. -0.000 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

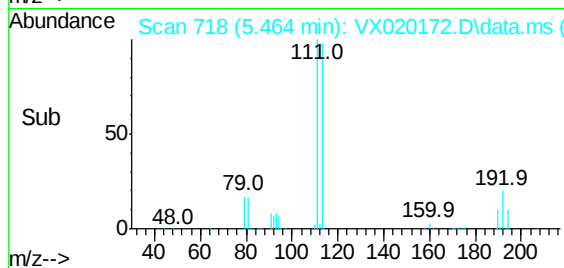
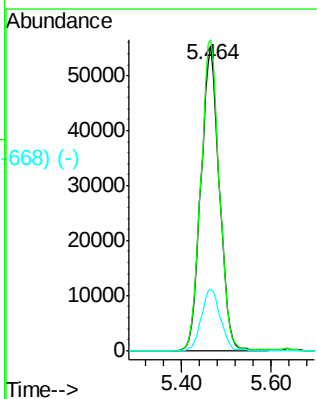
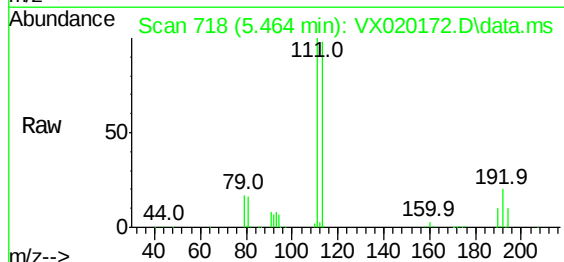
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 MSVOA\_X  
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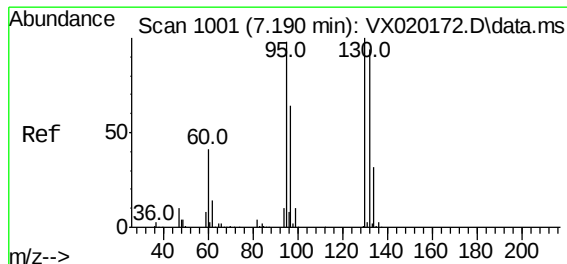
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 505718 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.9  | 0.0   | 40.8   |
| 88        | 16.0  | 0.0   | 32.8   |



Dibromofluoromethane  
 Concen: 48.55 ug/l  
 RT: 5.464 min Scan# 718  
 Delta R.T. 0.006 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 157067 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.8 | 81.9  | 122.9  |
| 192       | 20.5  | 16.7  | 25.1   |

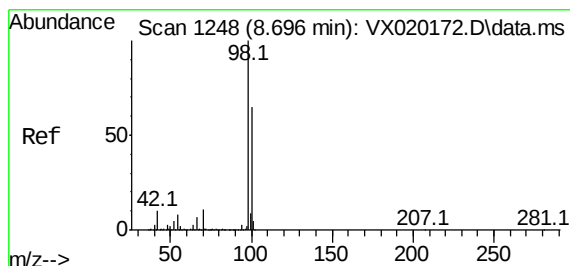
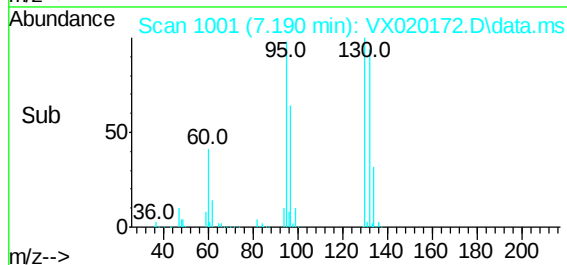
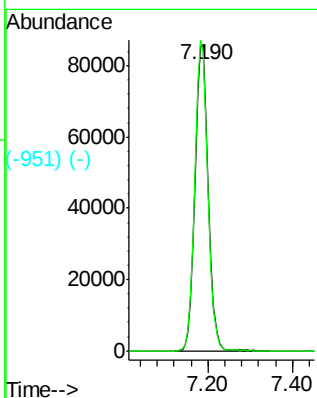
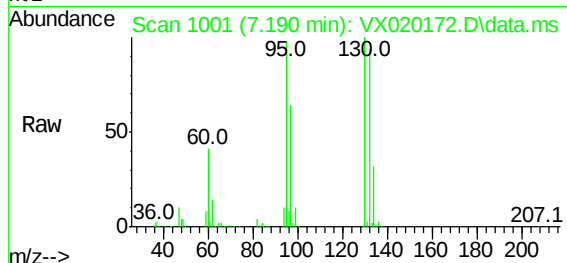




Trichloroethene  
 Concen: 45.90 ug/l  
 RT: 7.190 min Scan# 1001  
 Delta R.T. 0.006 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

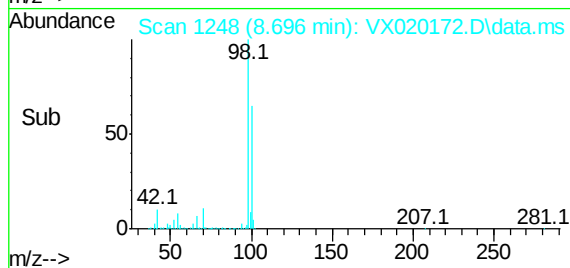
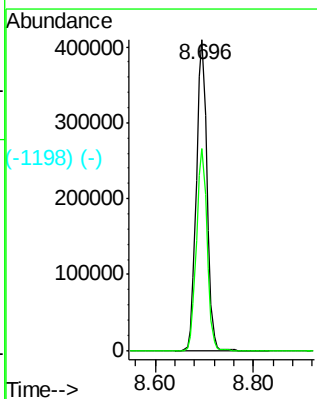
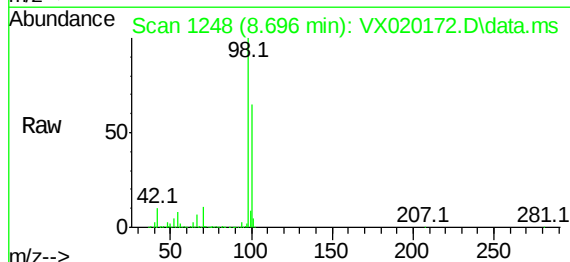
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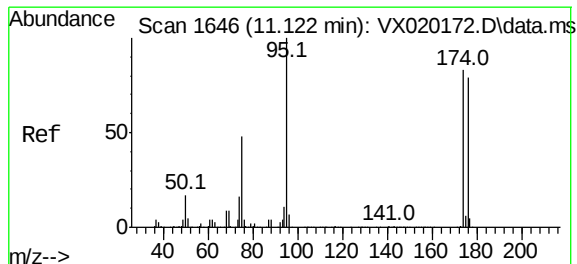
Tgt Ion:130 Resp: 184612  
 Ion Ratio Lower Upper  
 130 100  
 95 98.1 0.0 198.0



Toluene-d8  
 Concen: 49.39 ug/l  
 RT: 8.696 min Scan# 1248  
 Delta R.T. 0.007 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

Tgt Ion: 98 Resp: 615064  
 Ion Ratio Lower Upper  
 98 100  
 100 65.2 51.9 77.9

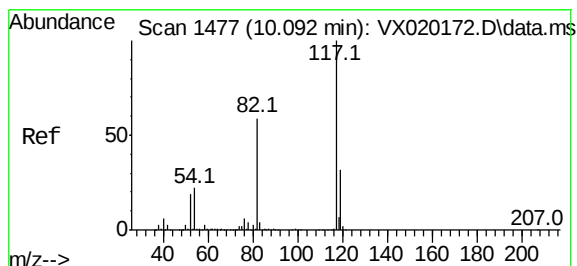
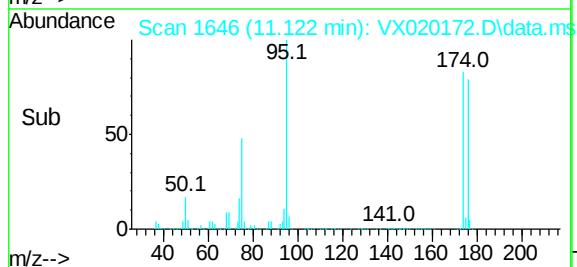
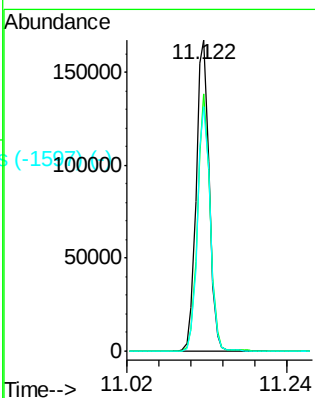
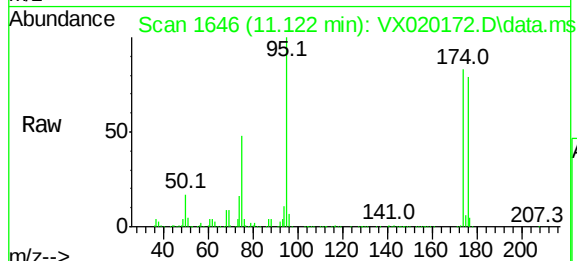




Scan 1646 (11.122 min): VX020172.D\data.ms  
 #639 (-)  
 4-Bromofluorobenzene  
 Concen: 44.54 ug/l  
 RT: 11.122 min Scan# 1646  
 Delta R.T. -0.000 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

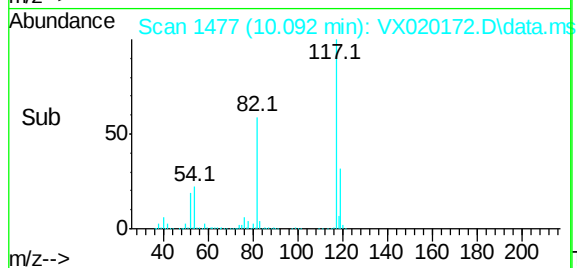
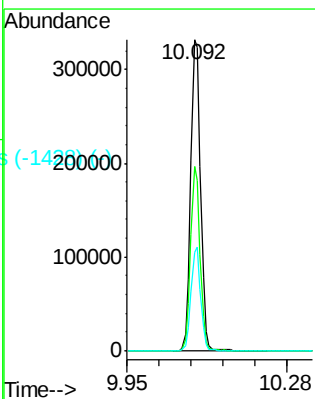
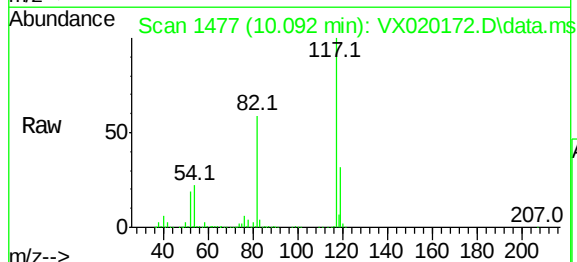
Instrument :  
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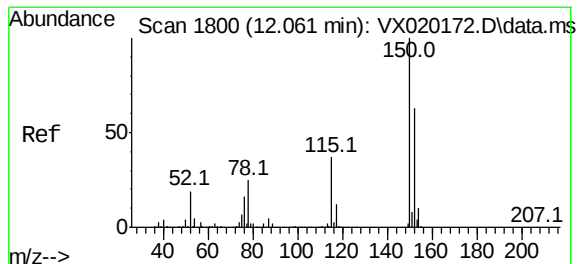
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|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 212296 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 78.6  | 0.0   | 154.6  |
| 176       | 76.9  | 0.0   | 155.8  |



Scan 1477 (10.092 min): VX020172.D\data.ms  
 #640 (-)  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 10.092 min Scan# 1477  
 Delta R.T. -0.000 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

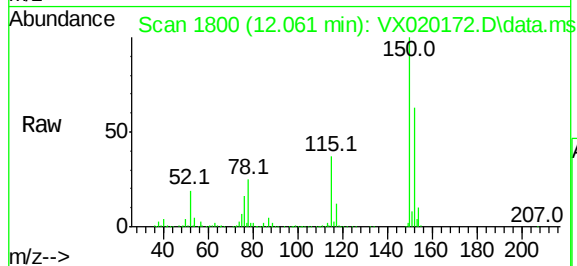
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 461571 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.1  | 47.4  | 71.2   |
| 119       | 31.6  | 26.6  | 39.8   |





#1793 (-)  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. -0.000 min  
 Lab File: VX020172.D  
 Acq: 19 Dec 2020 15:38

**Instrument :**  
 MSVOA\_X  
**ClientSampleId :**  
 RE120D1-20201210DL



Tgt Ion:152 Resp: 199814

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 59.8  | 41.1  | 123.3 |
| 150 | 156.8 | 0.0   | 349.0 |

