

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122820\  
 Data File : VX020402.D  
 Acq On : 28 Dec 2020 10:35  
 Operator : JC/MD  
 Sample : VX1228WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1228WBL01

Quant Time: Dec 29 00:36:44 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  | 246140   | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 6.824  | 114  | 406943   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.091 | 117  | 367232   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.060 | 152  | 149812   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 33) 1,2-Dichloroethane-d4   | 6.025  | 65    | 158961   | 48.18    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 96.36% |
| 35) Dibromofluoromethane    | 5.458  | 113   | 129763   | 49.85    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 99.70% |
| 50) Toluene-d8              | 8.695  | 98    | 486504   | 48.55    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 97.10% |
| 62) 4-Bromofluorobenzene    | 11.122 | 95    | 163592   | 42.66    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 85.32% |

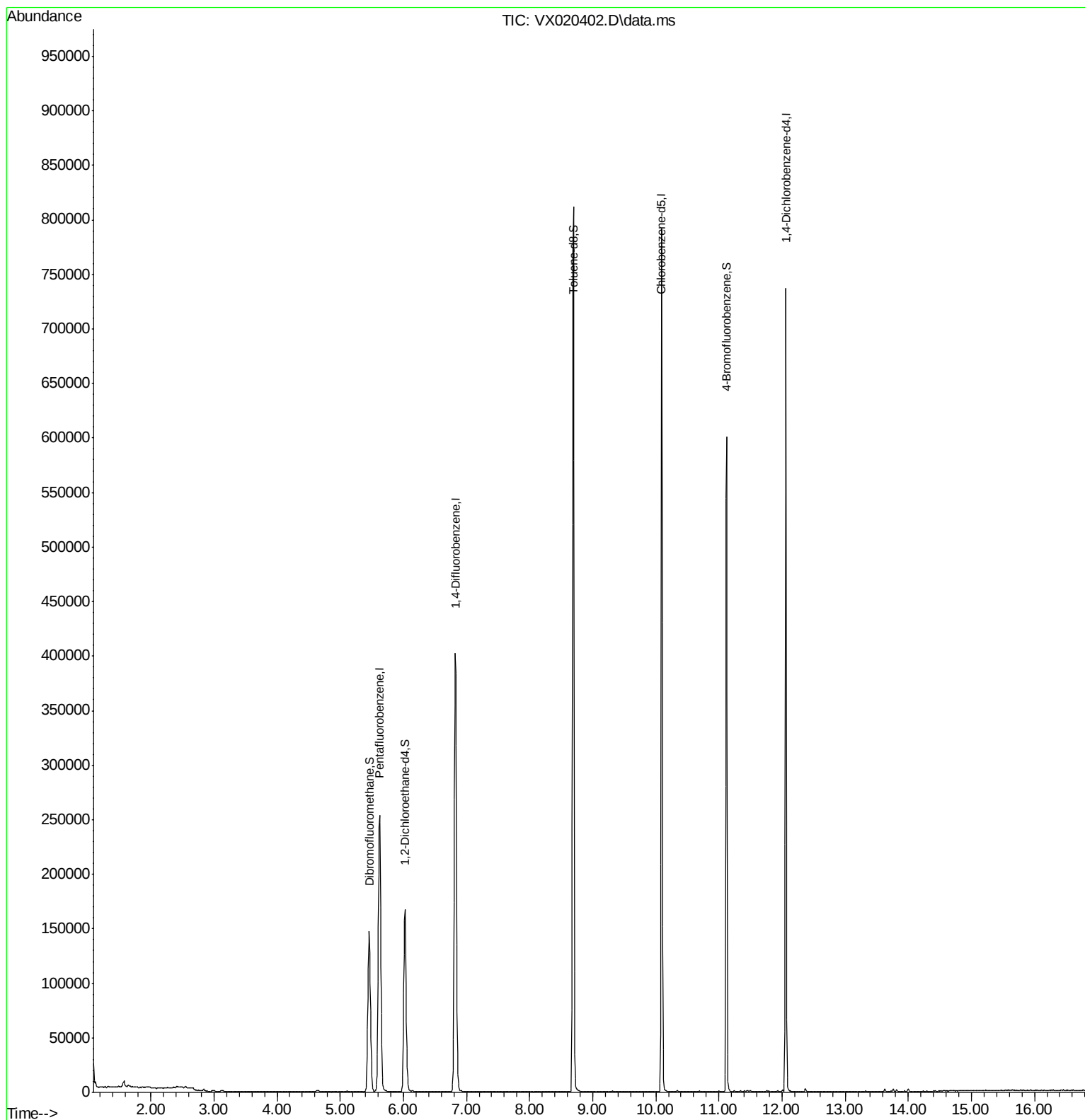
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

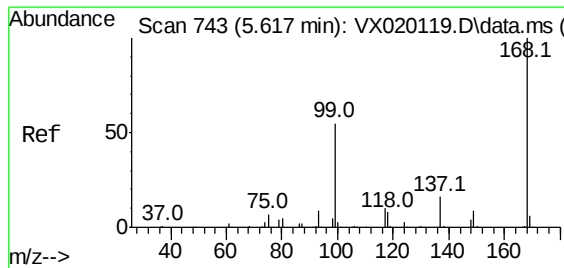
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1228WBL01

Quant Time: Dec 29 00:36:44 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

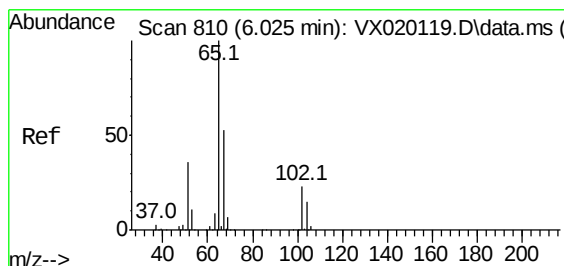
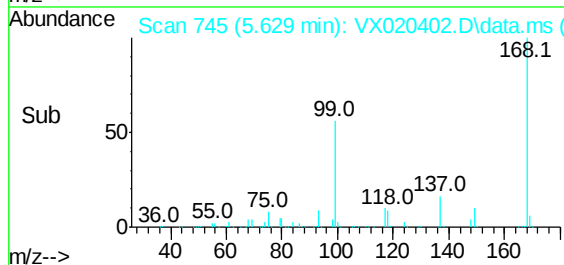
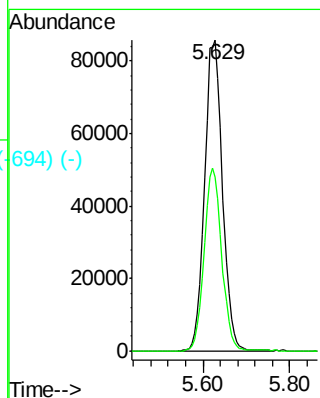
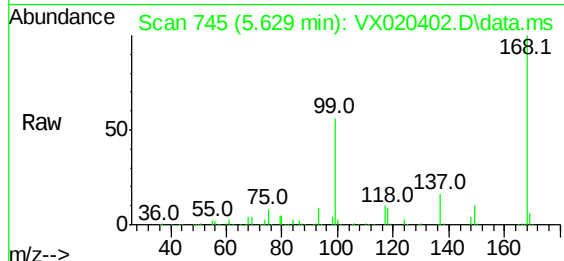




Scan 743 (5.617 min): VX020119.D\data.ms (-743) (-)  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.629 min Scan# 745  
 Delta R.T. 0.012 min  
 Lab File: VX020402.D  
 Acq: 28 Dec 2020 10:35

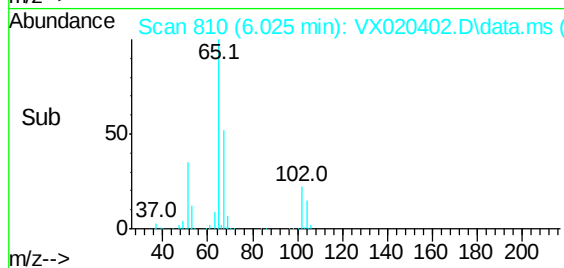
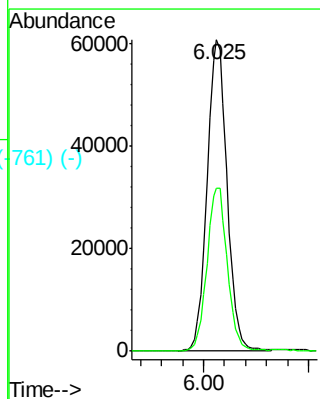
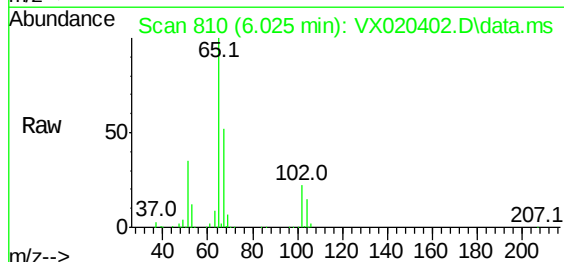
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1228WBL01

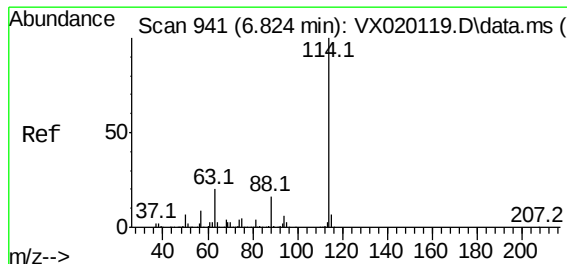
Tgt Ion:168 Resp: 246140  
 Ion Ratio Lower Upper  
 168 100  
 99 55.8 45.8 68.6



Scan 810 (6.025 min): VX020119.D\data.ms (-761) (-)  
 1,2-Dichloroethane-d4  
 Concen: 48.18 ug/l  
 RT: 6.025 min Scan# 810  
 Delta R.T. -0.000 min  
 Lab File: VX020402.D  
 Acq: 28 Dec 2020 10:35

Tgt Ion: 65 Resp: 158961  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 105.4



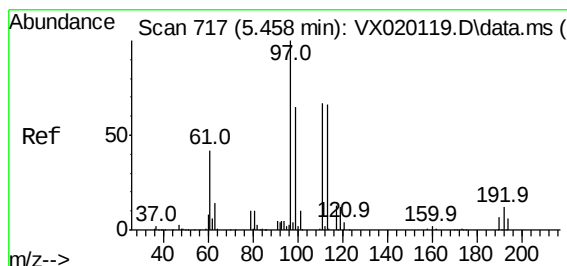
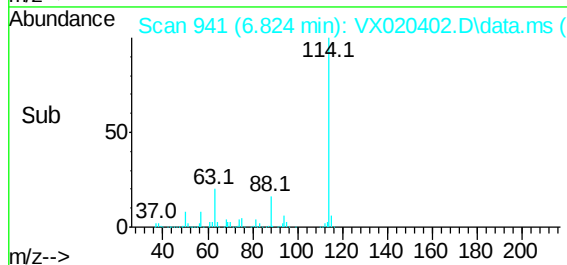
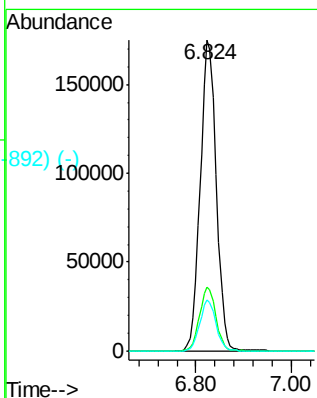
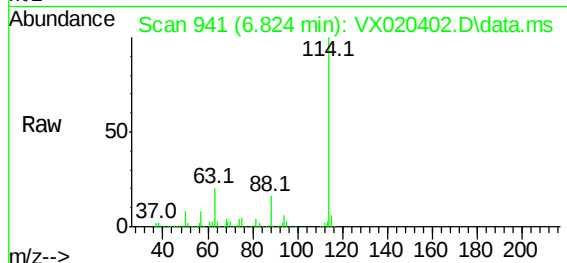


1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.824 min Scan# 941  
 Delta R.T. -0.000 min  
 Lab File: VX020402.D  
 Acq: 28 Dec 2020 10:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1228WBL01

Tgt Ion:114 Resp: 406943

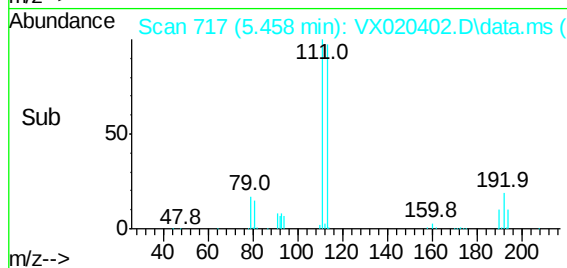
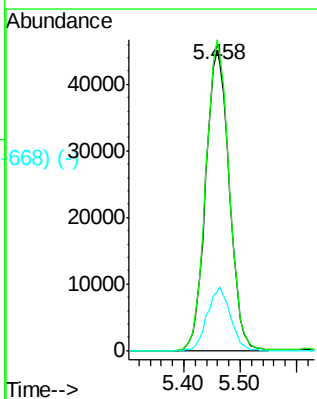
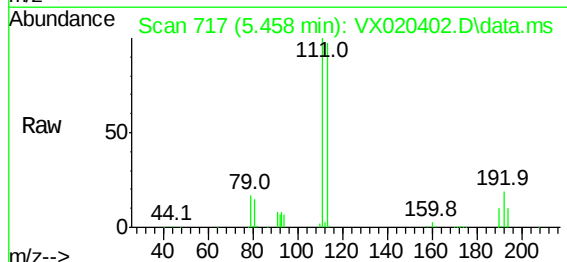
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.5  | 0.0   | 40.8  |
| 88  | 16.5  | 0.0   | 32.8  |

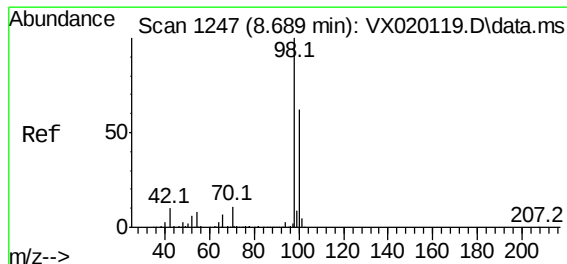


Dibromofluoromethane  
 Concen: 49.85 ug/l  
 RT: 5.458 min Scan# 717  
 Delta R.T. 0.000 min  
 Lab File: VX020402.D  
 Acq: 28 Dec 2020 10:35

Tgt Ion:113 Resp: 129763

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.2 | 81.9  | 122.9 |
| 192 | 20.5  | 16.7  | 25.1  |

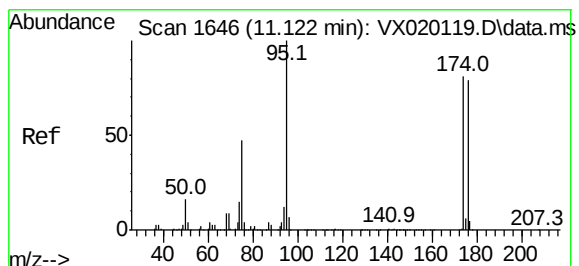
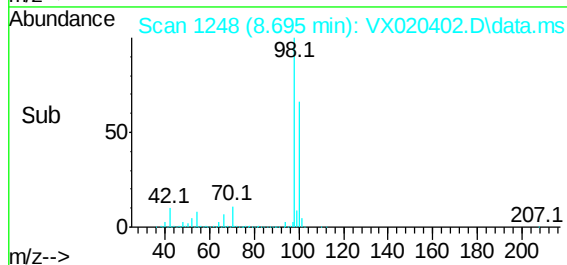
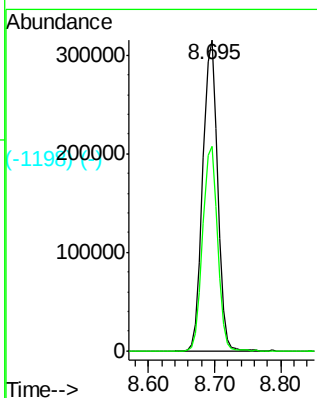
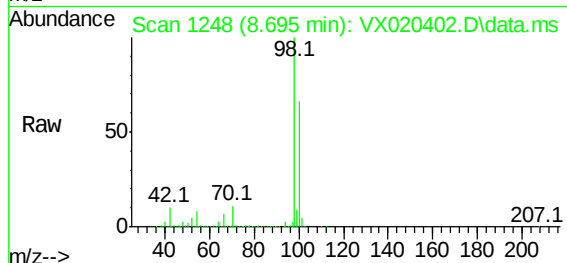




#599 (-)  
Toluene-d8  
Concen: 48.55 ug/l  
RT: 8.695 min Scan# 1248  
Delta R.T. 0.006 min  
Lab File: VX020402.D  
Acq: 28 Dec 2020 10:35

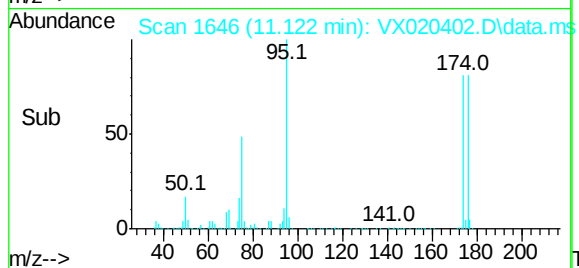
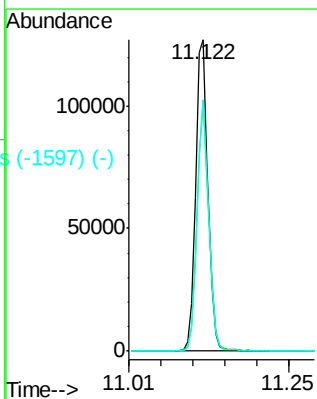
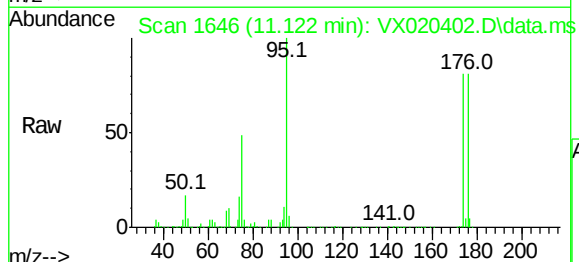
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1228WBL01

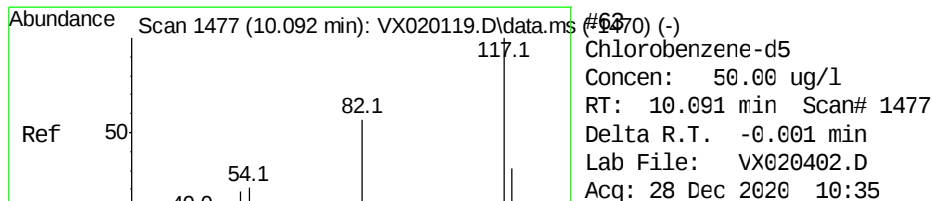
Tgt Ion: 98 Resp: 486504  
Ion Ratio Lower Upper  
98 100  
100 66.0 51.9 77.9



#639 (-)  
4-Bromofluorobenzene  
Concen: 42.66 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020402.D  
Acq: 28 Dec 2020 10:35

Tgt Ion: 95 Resp: 163592  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 154.6  
176 75.4 0.0 155.8

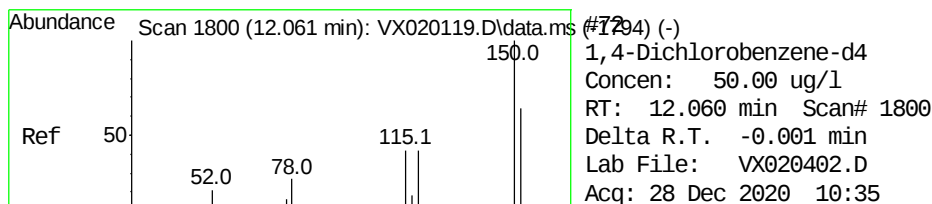
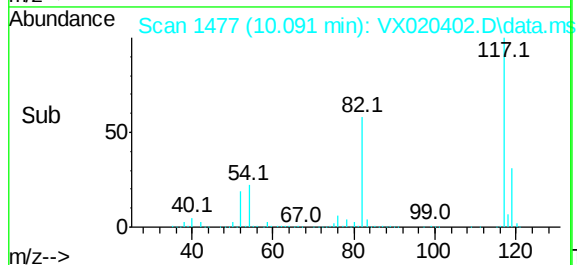
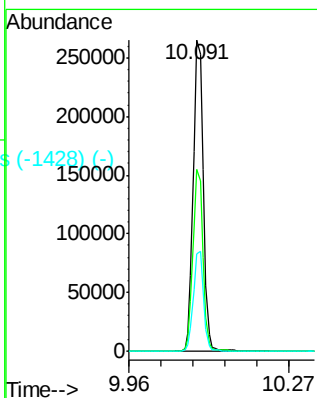
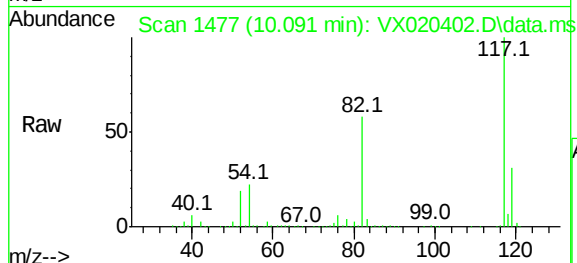




Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1228WBL01

Tgt Ion:117 Resp: 367232

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 58.4  | 47.4  | 71.2  |
| 119 | 31.2  | 26.6  | 39.8  |



Tgt Ion:152 Resp: 149812

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.1  | 41.1  | 123.3 |
| 150 | 158.3 | 0.0   | 349.0 |

