

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
 Data File : VX020200.D  
 Acq On : 20 Dec 2020 03:14  
 Operator : JC/MD  
 Sample : L5094-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 49-5567(D)-121320

Quant Time: Dec 21 02:42:51 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

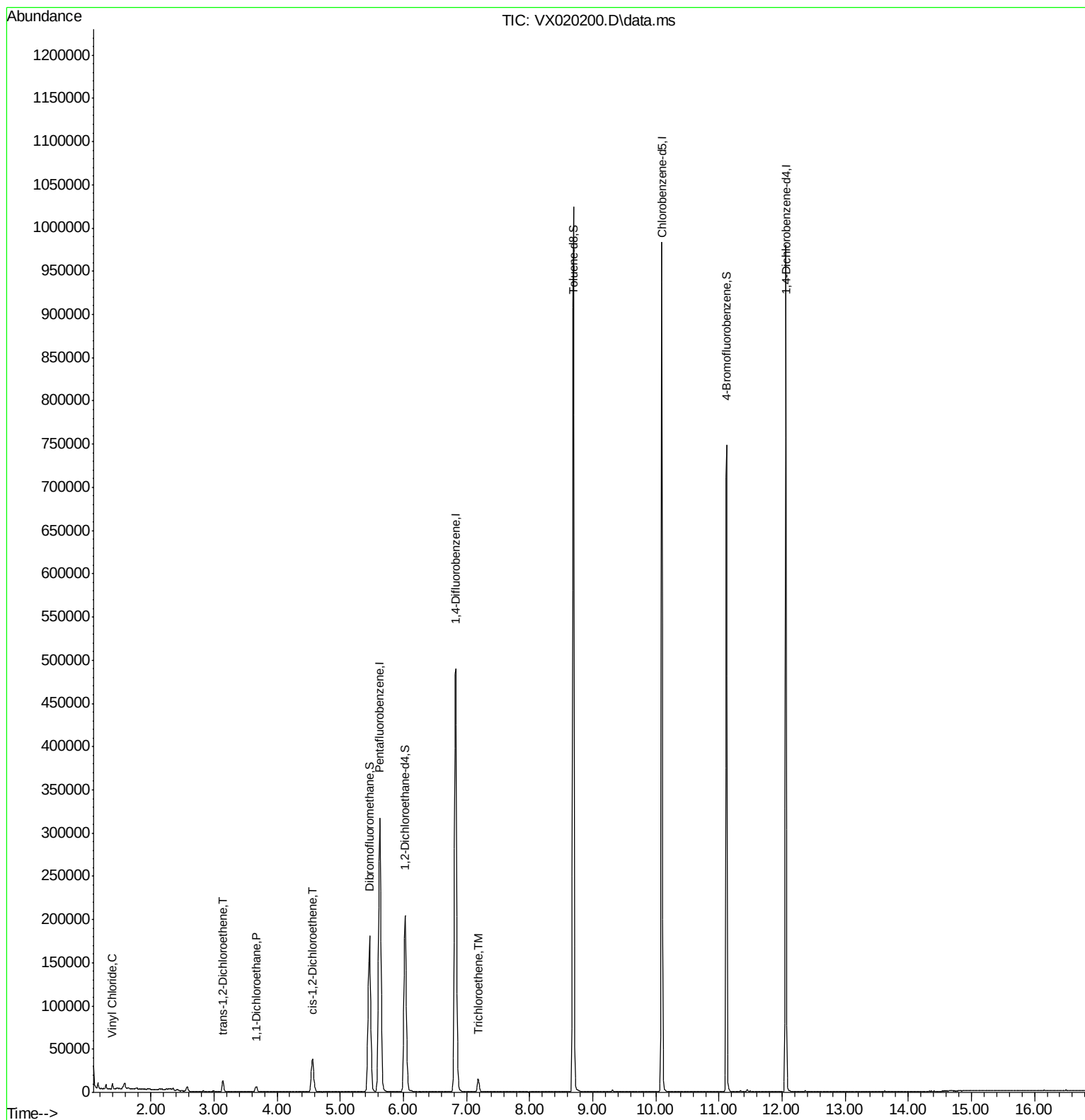
| Compound                     | R.T.   | QIon           | Response | Conc  | Units  | Dev(Min) |
|------------------------------|--------|----------------|----------|-------|--------|----------|
| -----                        |        |                |          |       |        |          |
| Internal Standards           |        |                |          |       |        |          |
| 1) Pentafluorobenzene        | 5.629  | 168            | 300306   | 50.00 | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene      | 6.830  | 114            | 499843   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.098 | 117            | 461857   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.061 | 152            | 202093   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds  |        |                |          |       |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.025  | 65             | 196102   | 48.72 | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 61 - 141 | Recovery | =     | 97.44% |          |
| 35) Dibromofluoromethane     | 5.464  | 113            | 157509   | 49.26 | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 69 - 133 | Recovery | =     | 98.52% |          |
| 50) Toluene-d8               | 8.695  | 98             | 606596   | 49.28 | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 65 - 126 | Recovery | =     | 98.56% |          |
| 62) 4-Bromofluorobenzene     | 11.122 | 95             | 210944   | 44.78 | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 58 - 135 | Recovery | =     | 89.56% |          |
| Target Compounds             |        |                |          |       |        |          |
|                              |        |                |          |       |        | Qvalue   |
| 4) Vinyl Chloride            | 1.392  | 62             | 1519     | 0.37  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.142  | 96             | 5054     | 1.36  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.666  | 63             | 7205     | 1.10  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.562  | 96             | 25407    | 6.05  | ug/l   | 88       |
| 44) Trichloroethene          | 7.184  | 130            | 5484     | 1.38  | ug/l   | 100      |
| -----                        |        |                |          |       |        |          |

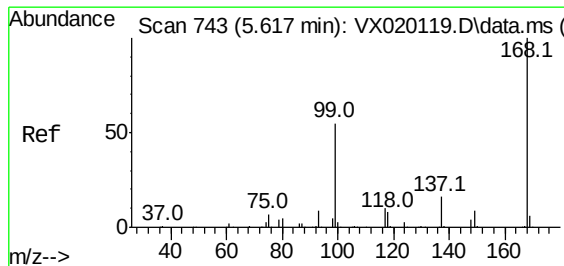
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
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Operator : JC/MD  
Sample : L5094-05  
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49-5567(D)-121320

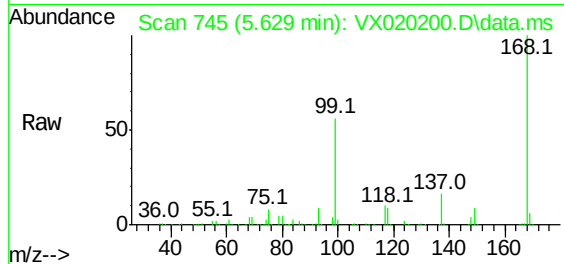
Quant Time: Dec 21 02:42:51 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
Response via : Initial Calibration



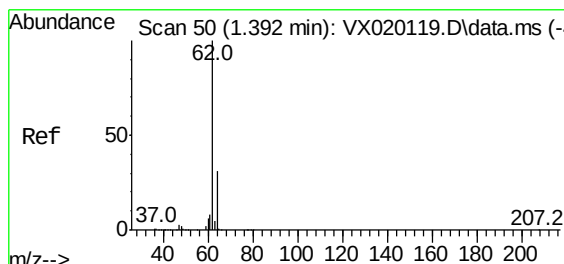
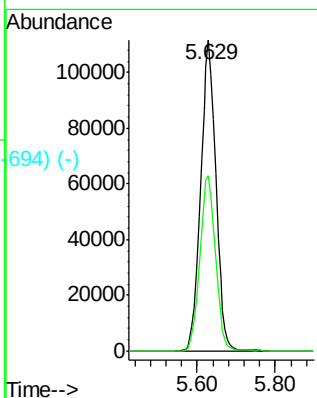
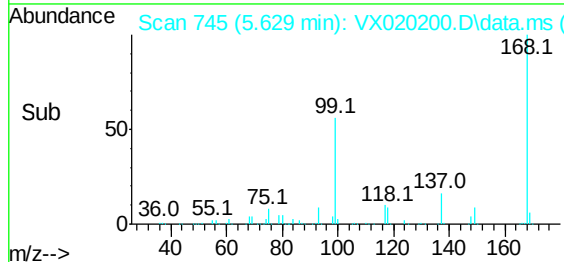


Scan 743 (5.617 min): VX020119.D\data.ms (-743) (-)  
 Pentafuorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.629 min Scan# 745  
 Delta R.T. 0.012 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 49-5567(D)-121320

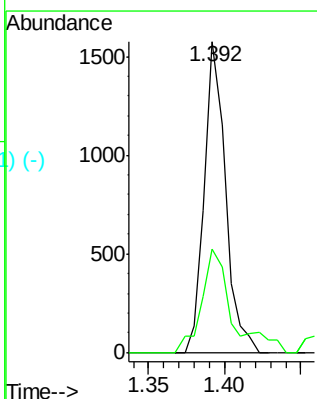
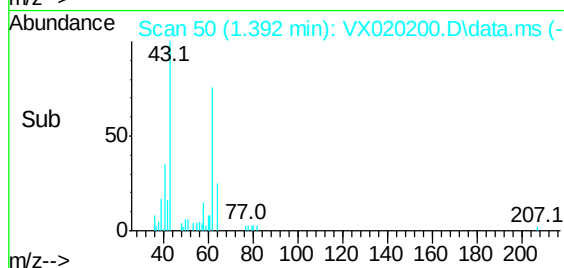
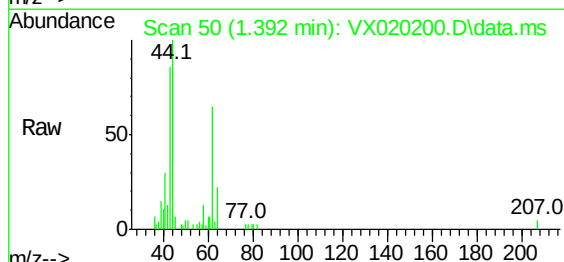


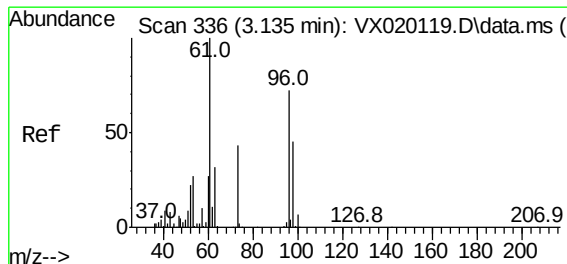
Tgt Ion: 168 Resp: 300306  
 Ion Ratio Lower Upper  
 168 100  
 99 56.2 45.8 68.6



Scan 50 (1.392 min): VX020119.D\data.ms (-457) (-)  
 Vinyl Chloride  
 Concen: 0.37 ug/l  
 RT: 1.392 min Scan# 50  
 Delta R.T. -0.000 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

Tgt Ion: 62 Resp: 1519  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 25.7 38.5

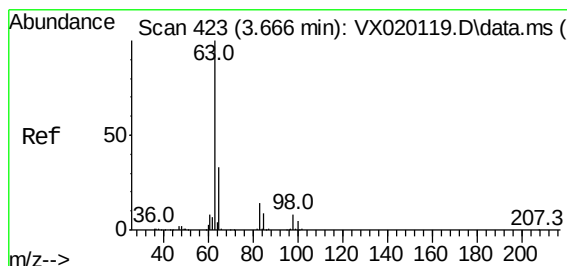
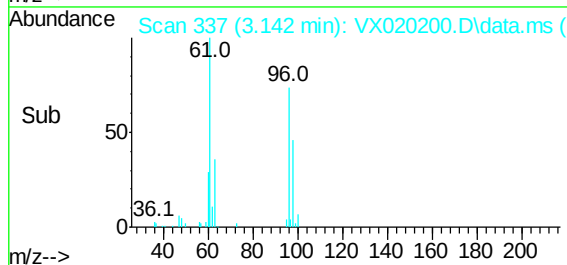
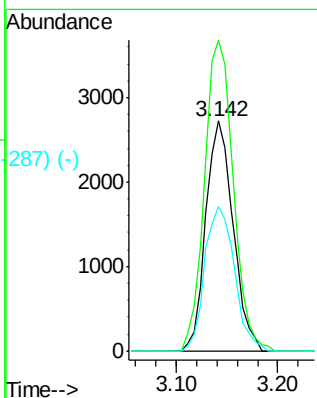
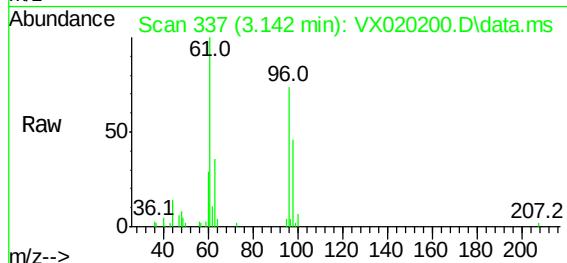




trans-1,2-Dichloroethene  
Concen: 1.36 ug/l  
RT: 3.142 min Scan# 337  
Delta R.T. 0.007 min  
Lab File: VX020200.D  
Acq: 20 Dec 2020 03:14

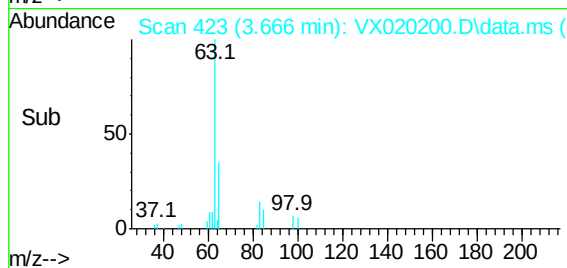
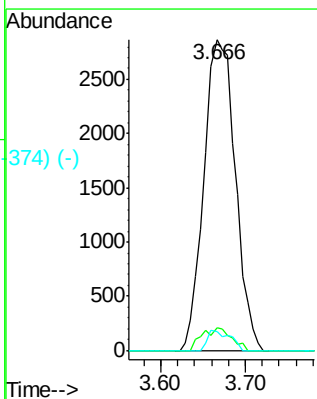
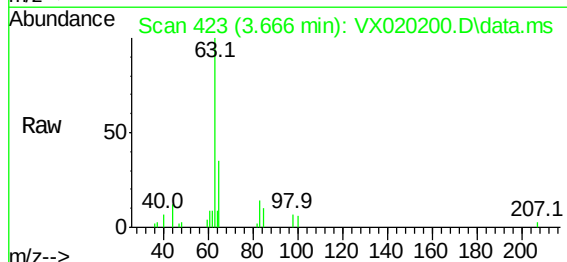
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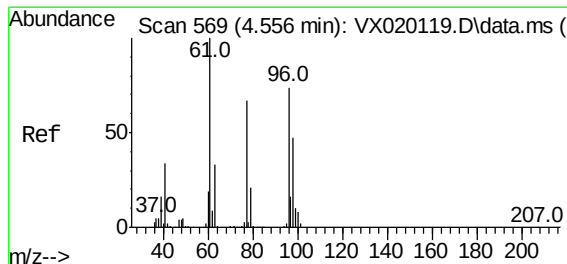
Tgt Ion: 96 Resp: 5054  
Ion Ratio Lower Upper  
96 100  
61 135.2 107.7 161.5  
98 62.7 50.4 75.6



1,1-Dichloroethane  
Concen: 1.10 ug/l  
RT: 3.666 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VX020200.D  
Acq: 20 Dec 2020 03:14

Tgt Ion: 63 Resp: 7205  
Ion Ratio Lower Upper  
63 100  
98 7.3 3.8 11.2  
100 6.1 2.5 7.5

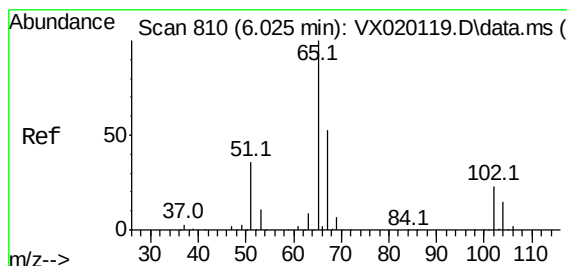
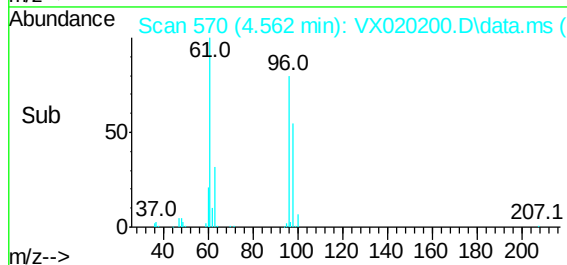
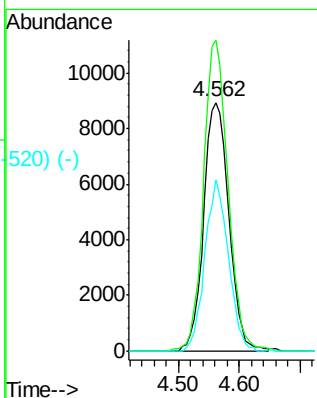
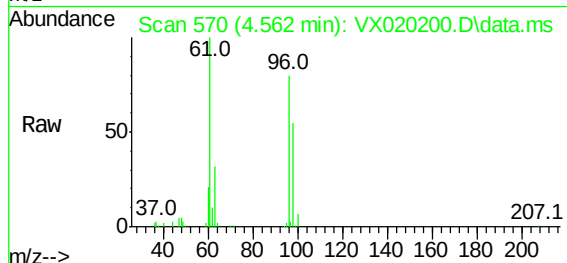




cis-1,2-Dichloroethene  
Concen: 6.05 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: VX020200.D  
Acq: 20 Dec 2020 03:14

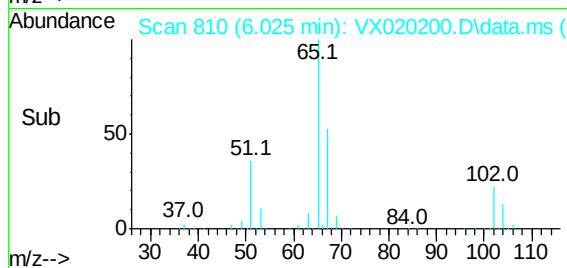
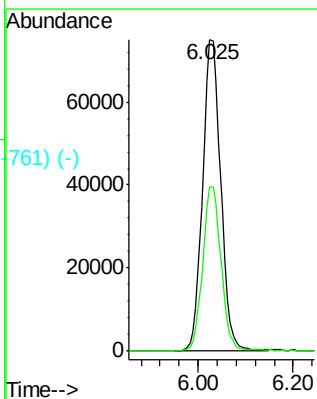
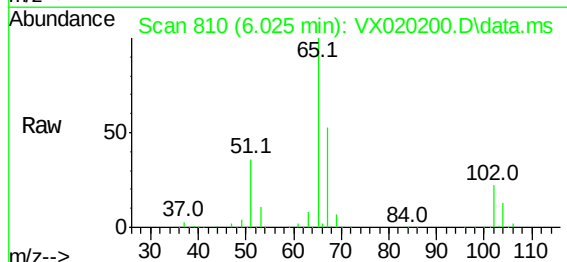
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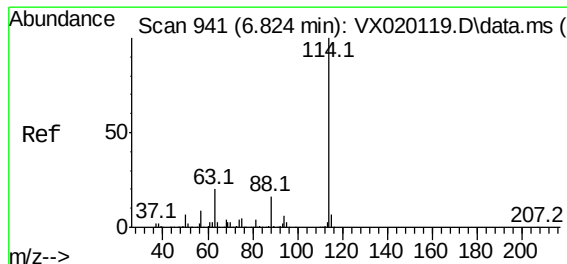
Tgt Ion: 96 Resp: 25407  
Ion Ratio Lower Upper  
96 100  
61 121.6 0.0 285.6  
98 64.0 0.0 129.6



1,2-Dichloroethane-d4  
Concen: 48.72 ug/l  
RT: 6.025 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: VX020200.D  
Acq: 20 Dec 2020 03:14

Tgt Ion: 65 Resp: 196102  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.4

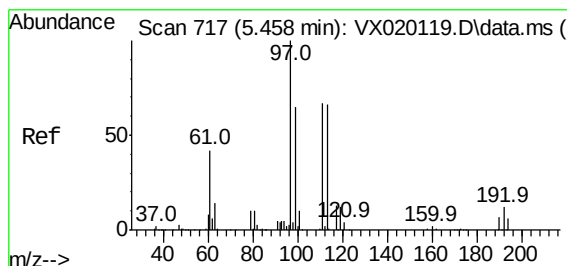
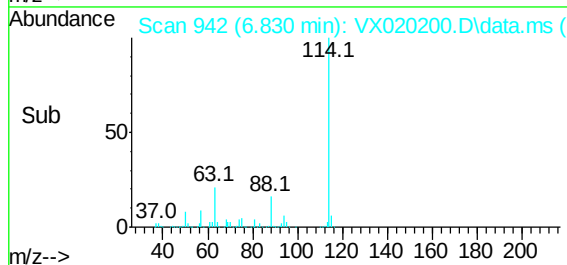
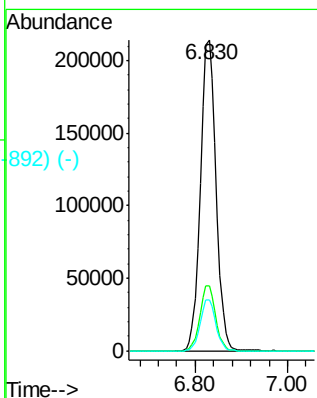
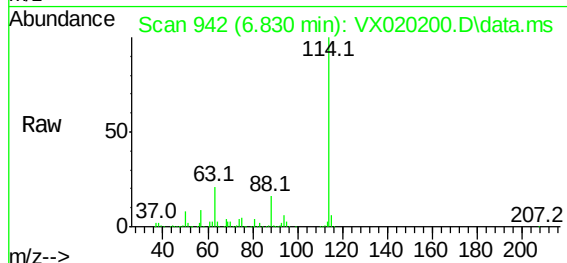




1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.830 min Scan# 942  
 Delta R.T. 0.006 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

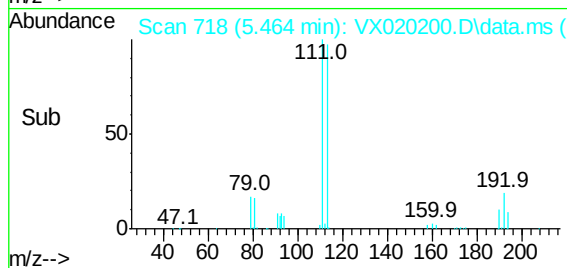
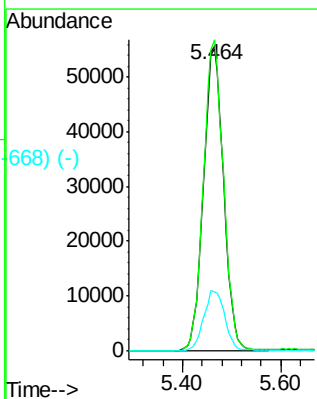
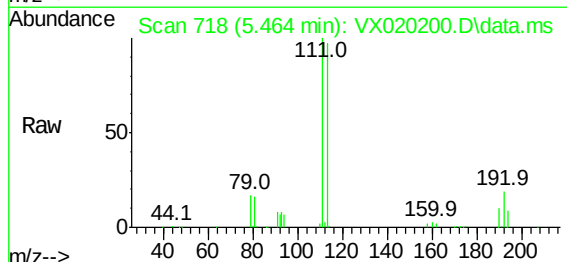
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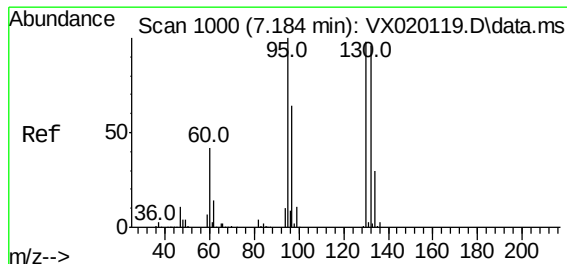
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 499843 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.8  | 0.0   | 40.8   |
| 88        | 16.4  | 0.0   | 32.8   |



Dibromofluoromethane  
 Concen: 49.26 ug/l  
 RT: 5.464 min Scan# 718  
 Delta R.T. 0.006 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 157509 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.1 | 81.9  | 122.9  |
| 192       | 20.5  | 16.7  | 25.1   |

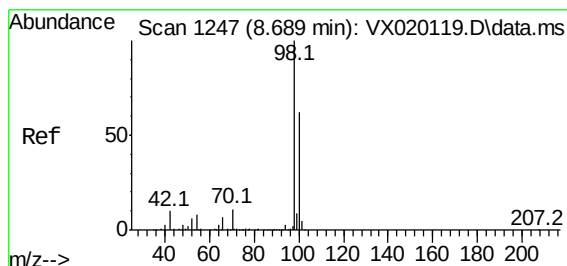
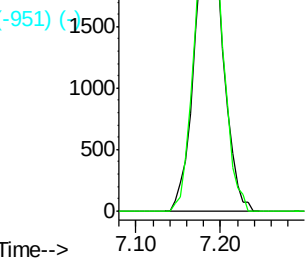
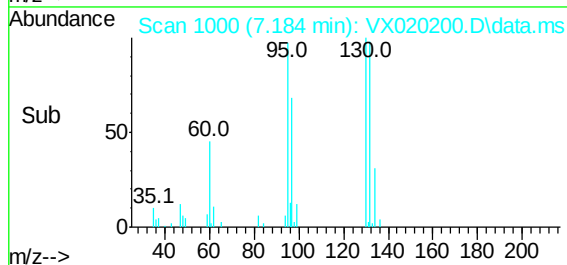
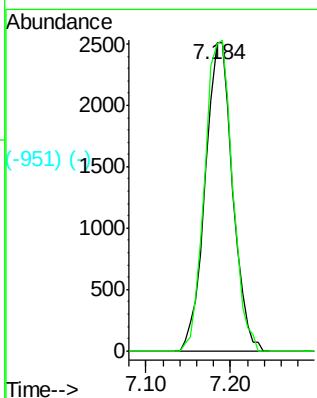
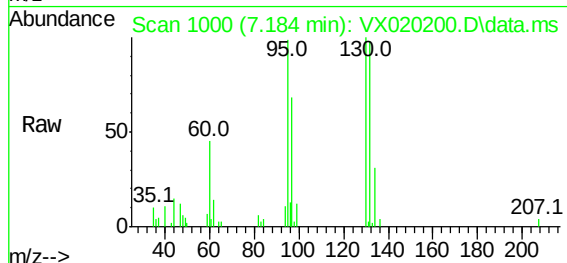




(-949) (-)  
 Trichloroethene  
 Concen: 1.38 ug/l  
 RT: 7.184 min Scan# 1000  
 Delta R.T. -0.000 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

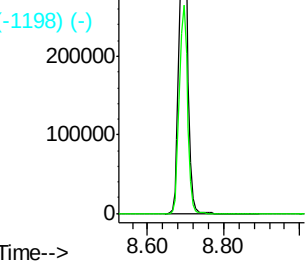
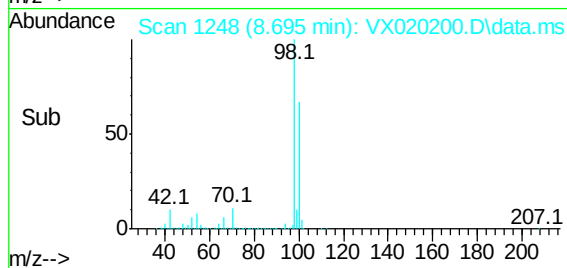
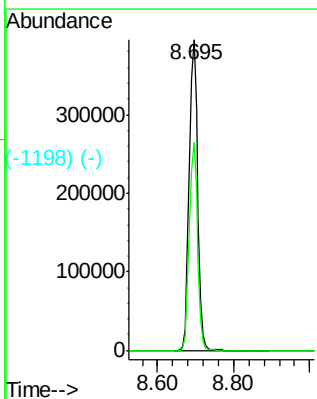
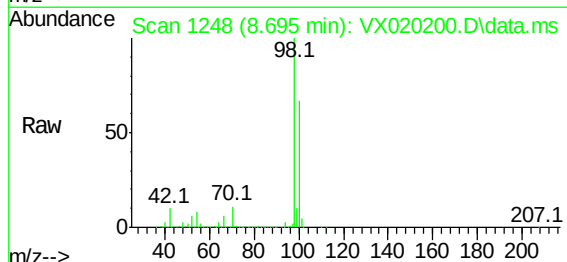
Instrument :  
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 49-5567(D)-121320

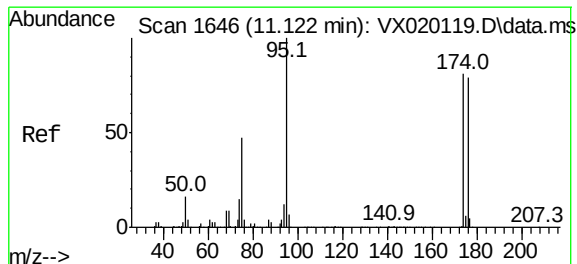
Tgt Ion:130 Resp: 5484  
 Ion Ratio Lower Upper  
 130 100  
 95 99.3 0.0 198.0



(-1299) (-)  
 Toluene-d8  
 Concen: 49.28 ug/l  
 RT: 8.695 min Scan# 1248  
 Delta R.T. 0.006 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

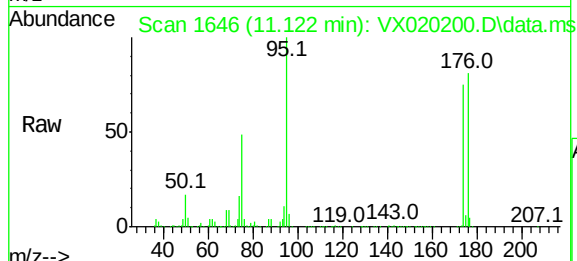
Tgt Ion: 98 Resp: 606596  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 51.9 77.9





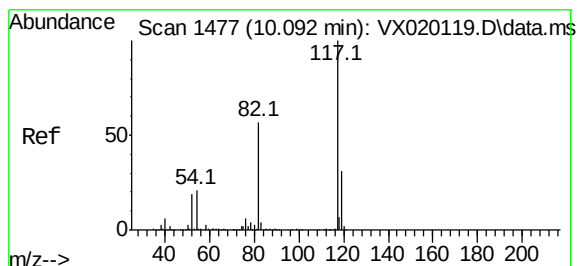
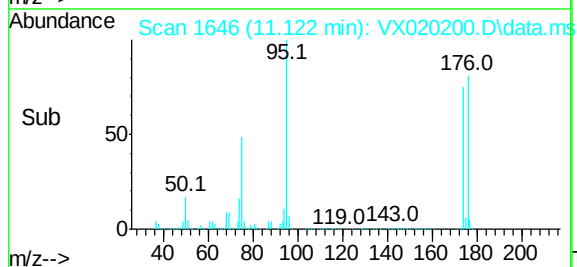
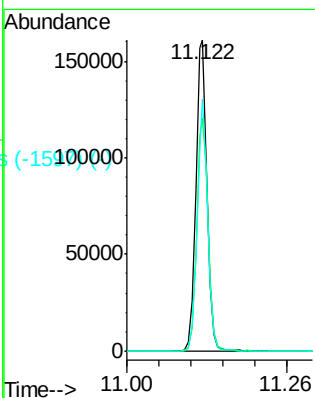
#639 (-)  
 4-Bromofluorobenzene  
 Concen: 44.78 ug/l  
 RT: 11.122 min Scan# 1646  
 Delta R.T. -0.000 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

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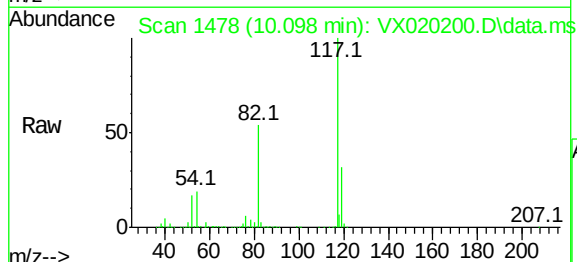


Tgt Ion: 95 Resp: 210944

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 77.0  | 0.0   | 154.6 |
| 176 | 76.1  | 0.0   | 155.8 |

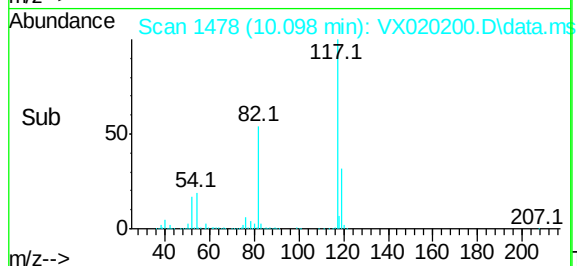
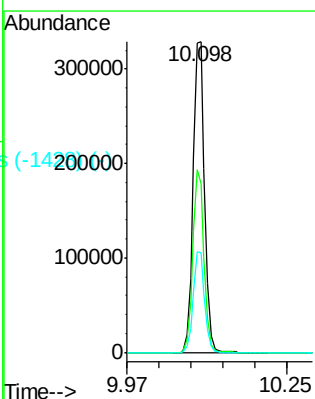


#640 (-)  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 10.098 min Scan# 1478  
 Delta R.T. 0.006 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

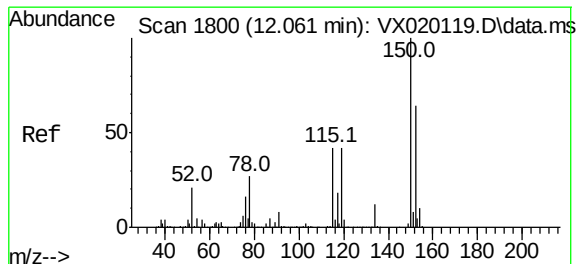


Tgt Ion: 117 Resp: 461857

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 54.4  | 47.4  | 71.2  |
| 119 | 32.2  | 26.6  | 39.8  |

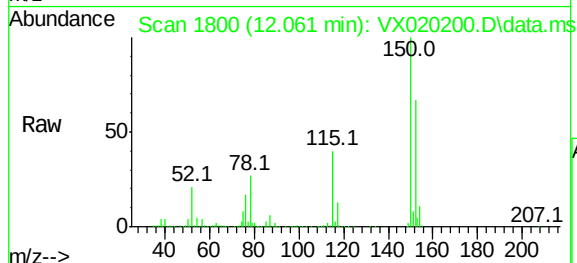






#1794 (-)  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. -0.000 min  
 Lab File: VX020200.D  
 Acq: 20 Dec 2020 03:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 49-5567(D)-121320



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 202093 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.8  | 41.1  | 123.3  |
| 150       | 150.4 | 0.0   | 349.0  |

