

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
 Data File : VX020224.D  
 Acq On : 20 Dec 2020 13:17  
 Operator : JC/MD  
 Sample : L5094-12  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 49-5577(D)-121320

Quant Time: Dec 21 02:51:03 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

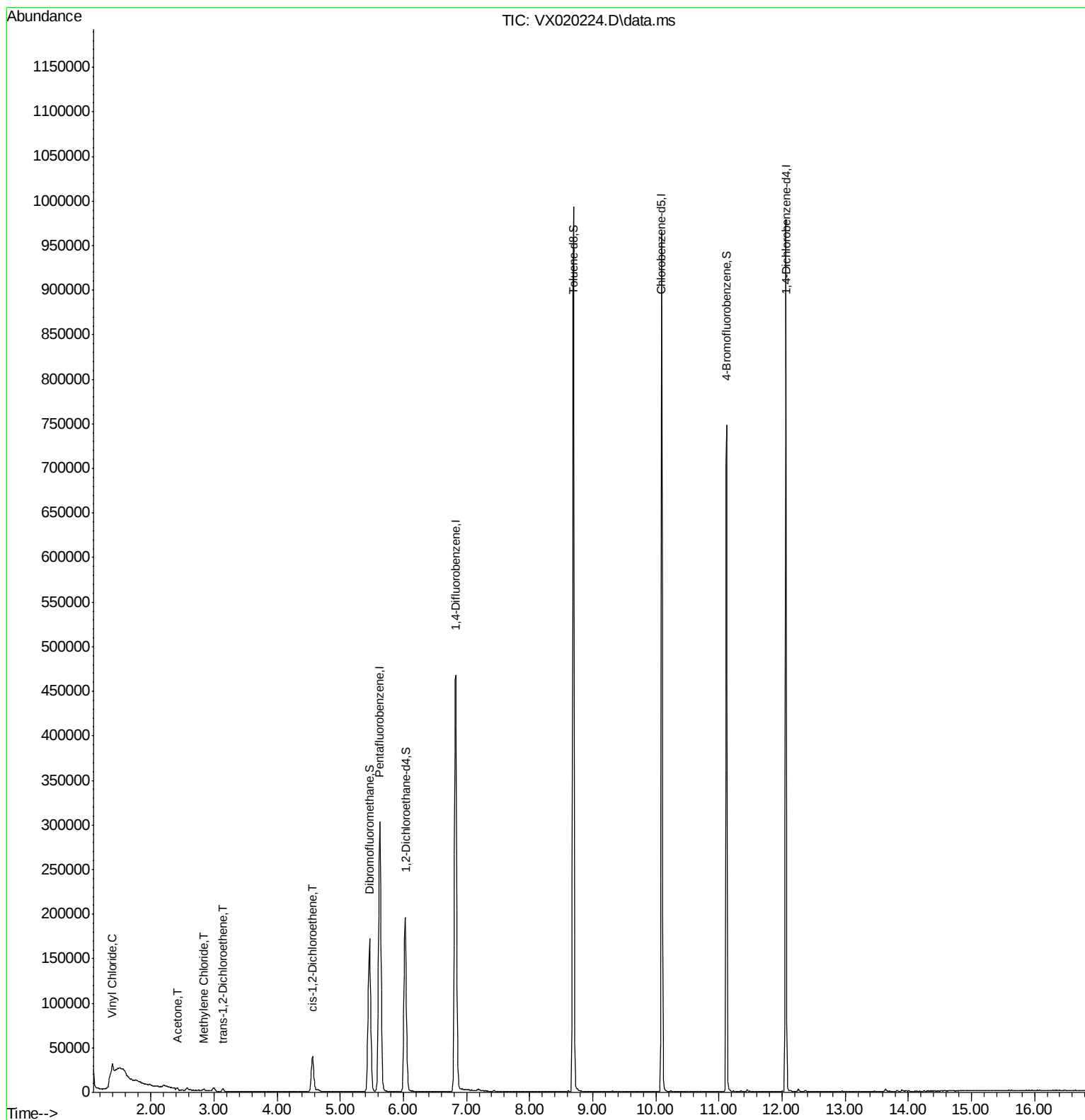
| Compound                     | R.T.   | QIon           | Response | Conc  | Units  | Dev(Min) |
|------------------------------|--------|----------------|----------|-------|--------|----------|
| -----                        |        |                |          |       |        |          |
| Internal Standards           |        |                |          |       |        |          |
| 1) Pentafluorobenzene        | 5.629  | 168            | 289483   | 50.00 | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene      | 6.830  | 114            | 482144   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.092 | 117            | 446012   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.061 | 152            | 195858   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds  |        |                |          |       |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.031  | 65             | 189369   | 48.80 | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 61 - 141 | Recovery | =     | 97.60% |          |
| 35) Dibromofluoromethane     | 5.464  | 113            | 151803   | 49.22 | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 69 - 133 | Recovery | =     | 98.44% |          |
| 50) Toluene-d8               | 8.695  | 98             | 588781   | 49.59 | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 65 - 126 | Recovery | =     | 99.18% |          |
| 62) 4-Bromofluorobenzene     | 11.122 | 95             | 207008   | 45.56 | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range 58 - 135 | Recovery | =     | 91.12% |          |
| Target Compounds             |        |                |          |       |        |          |
|                              |        |                |          |       |        | Qvalue   |
| 4) Vinyl Chloride            | 1.392  | 62             | 6196     | 1.56  | ug/l   | 97       |
| 16) Acetone                  | 2.416  | 43             | 3498     | 1.98  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.837  | 84             | 1017     | 0.25  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.142  | 96             | 1567     | 0.44  | ug/l # | 69       |
| 27) cis-1,2-Dichloroethene   | 4.562  | 96             | 25900    | 6.40  | ug/l   | 90       |
| -----                        |        |                |          |       |        |          |

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

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Sample : L5094-12  
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ALS Vial : 64 Sample Multiplier: 1

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MSVOA\_X  
ClientSampleId :  
49-5577(D)-121320

Quant Time: Dec 21 02:51:03 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

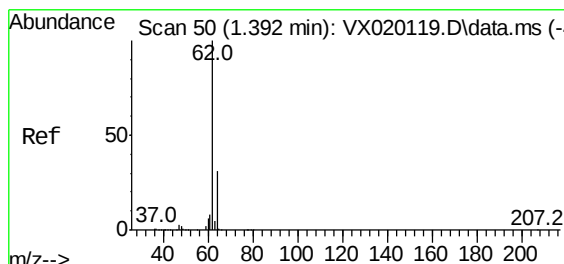
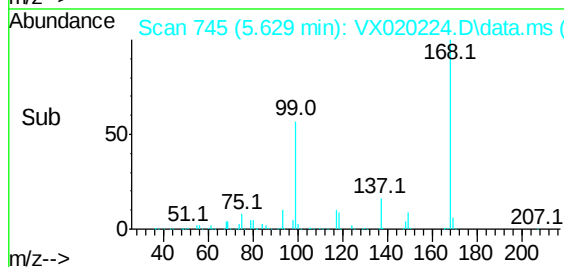
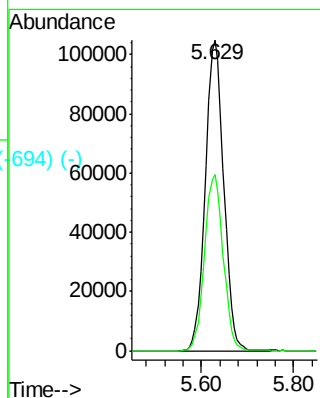
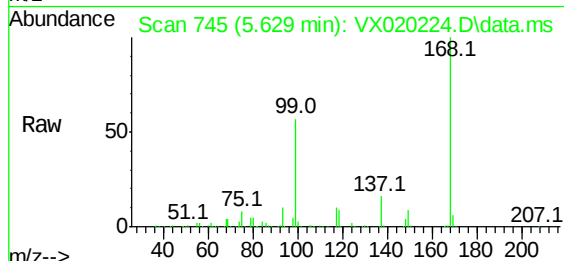




Scan 743 (5.617 min): VX020119.D\data.ms (-750) (-)  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.629 min Scan# 745  
 Delta R.T. 0.012 min  
 Lab File: VX020224.D  
 Acq: 20 Dec 2020 13:17

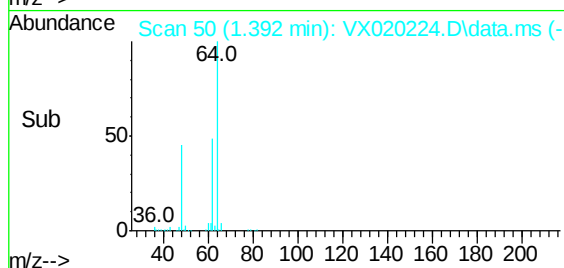
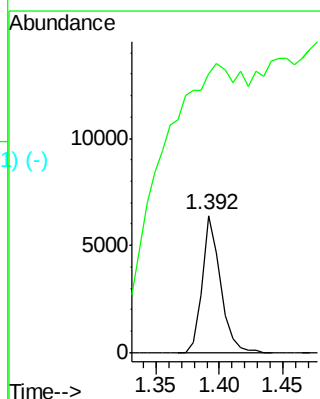
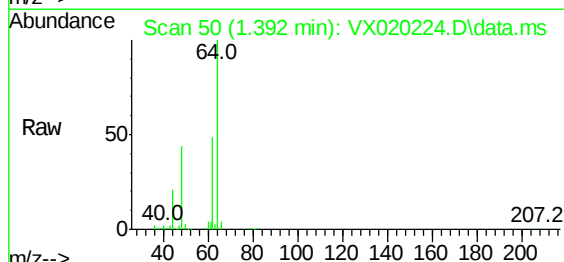
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 49-5577(D)-121320

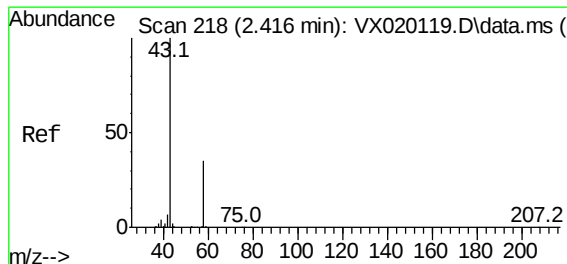
Tgt Ion:168 Resp: 289483  
 Ion Ratio Lower Upper  
 168 100  
 99 56.8 45.8 68.6



Scan 50 (1.392 min): VX020119.D\data.ms (-457) (-)  
 Vinyl Chloride  
 Concen: 1.56 ug/l  
 RT: 1.392 min Scan# 50  
 Delta R.T. -0.000 min  
 Lab File: VX020224.D  
 Acq: 20 Dec 2020 13:17

Tgt Ion: 62 Resp: 6196  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 25.7 38.5

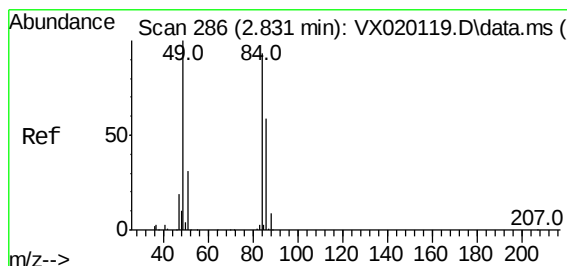
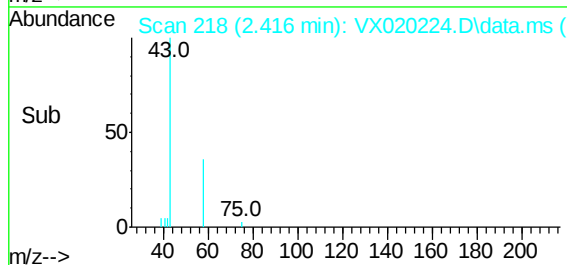
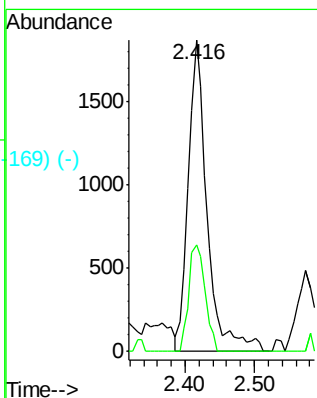
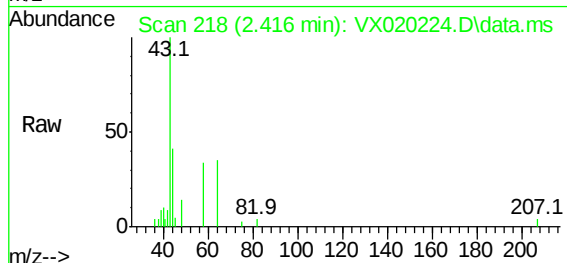




Acetone  
Concen: 1.98 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX020224.D  
Acq: 20 Dec 2020 13:17

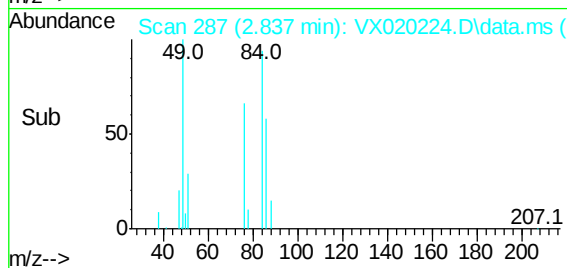
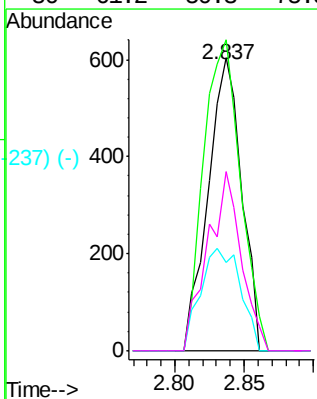
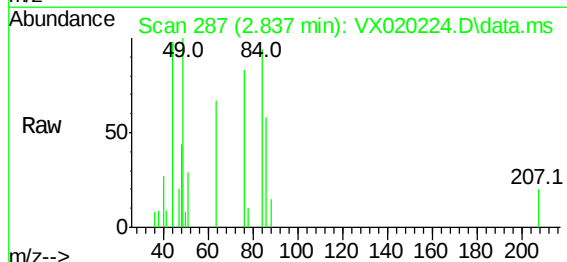
Instrument :  
MSVOA\_X  
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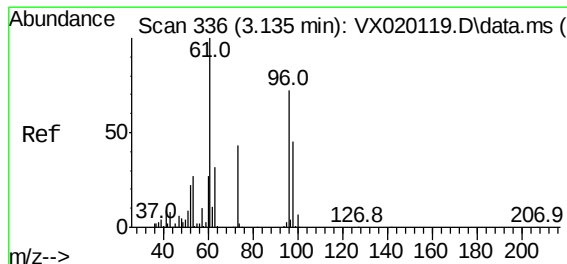
Tgt Ion: 43 Resp: 3498  
Ion Ratio Lower Upper  
43 100  
58 33.9 27.8 41.8



Methylene Chloride  
Concen: 0.25 ug/l  
RT: 2.837 min Scan# 287  
Delta R.T. 0.006 min  
Lab File: VX020224.D  
Acq: 20 Dec 2020 13:17

Tgt Ion: 84 Resp: 1017  
Ion Ratio Lower Upper  
84 100  
49 106.0 88.6 132.8  
51 30.2 27.0 40.6  
86 61.2 50.3 75.5

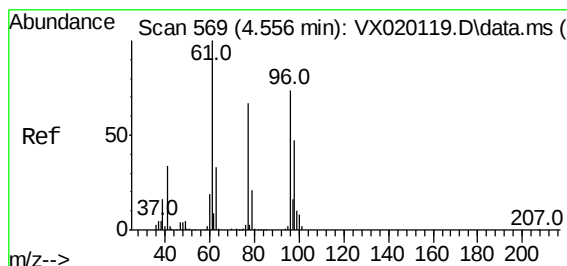
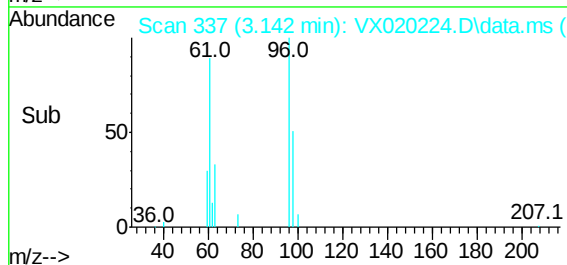
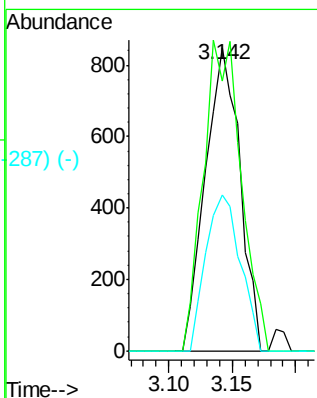
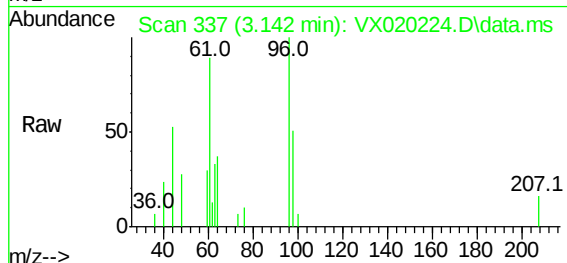




trans-1,2-Dichloroethene  
Concen: 0.44 ug/l  
RT: 3.142 min Scan# 337  
Delta R.T. 0.007 min  
Lab File: VX020224.D  
Acq: 20 Dec 2020 13:17

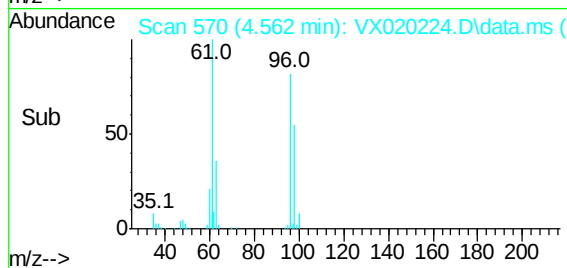
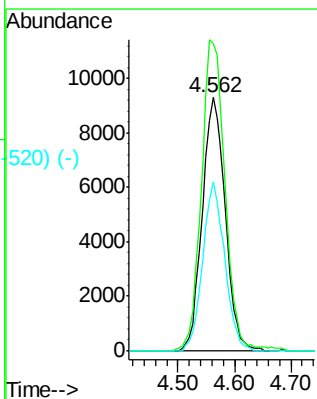
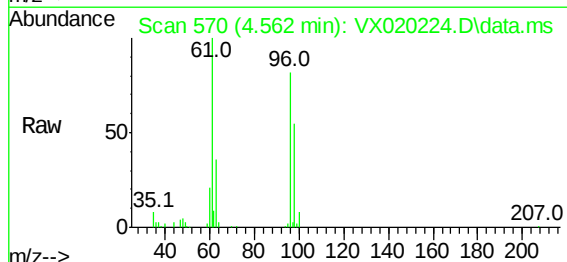
Instrument :  
MSVOA\_X  
ClientSampleId :  
49-5577(D)-121320

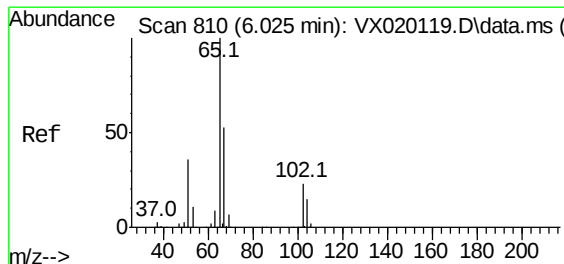
Tgt Ion: 96 Resp: 1567  
Ion Ratio Lower Upper  
96 100  
61 88.9 107.7 161.5#  
98 51.4 50.4 75.6



cis-1,2-Dichloroethene  
Concen: 6.40 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: VX020224.D  
Acq: 20 Dec 2020 13:17

Tgt Ion: 96 Resp: 25900  
Ion Ratio Lower Upper  
96 100  
61 126.4 0.0 285.6  
98 63.5 0.0 129.6



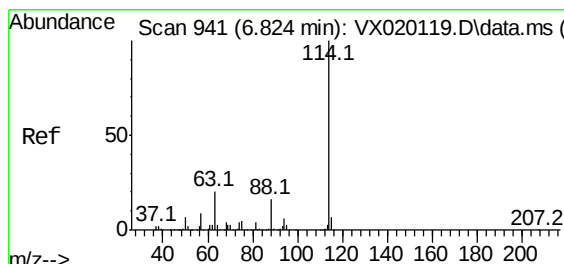
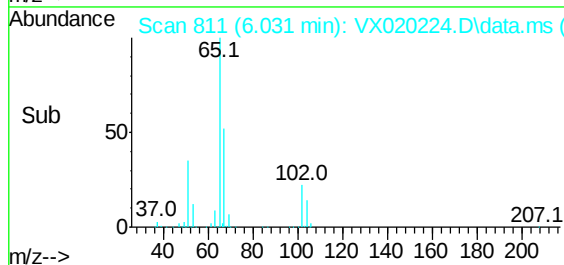
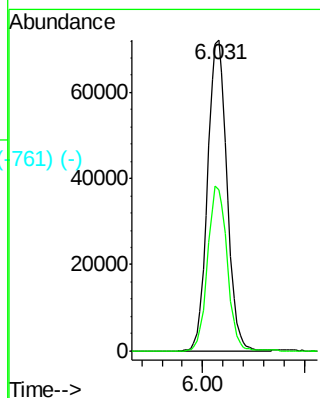
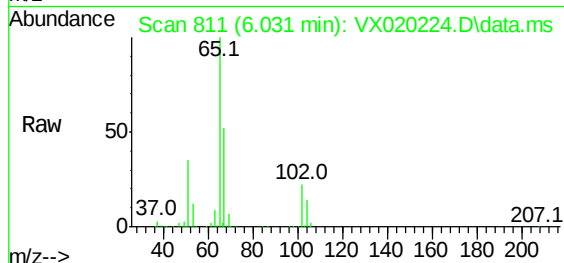


Scan 810 (6.025 min): VX020119.D\data.ms (-753) (-)  
 1,2-Dichloroethane-d4  
 Concen: 48.80 ug/l  
 RT: 6.031 min Scan# 811  
 Delta R.T. 0.006 min  
 Lab File: VX020224.D  
 Acq: 20 Dec 2020 13:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 49-5577(D)-121320

Tgt Ion: 65 Resp: 189369  

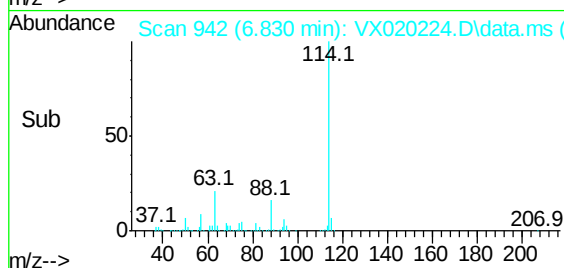
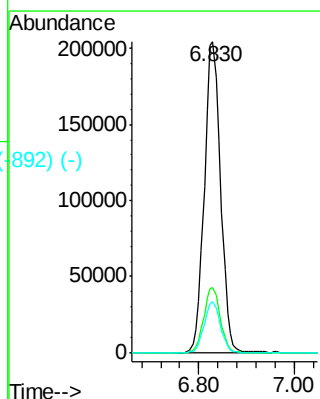
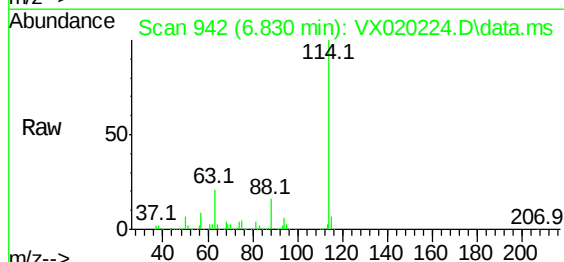
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.1  | 0.0   | 105.4 |

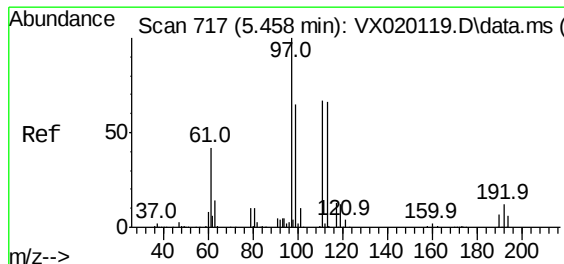


Scan 941 (6.824 min): VX020119.D\data.ms (-954) (-)  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.830 min Scan# 942  
 Delta R.T. 0.006 min  
 Lab File: VX020224.D  
 Acq: 20 Dec 2020 13:17

Tgt Ion: 114 Resp: 482144  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.9  | 0.0   | 40.8  |
| 88  | 16.4  | 0.0   | 32.8  |

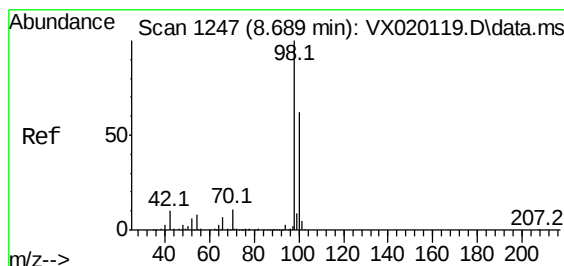
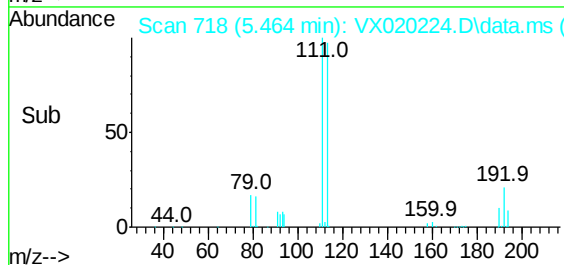
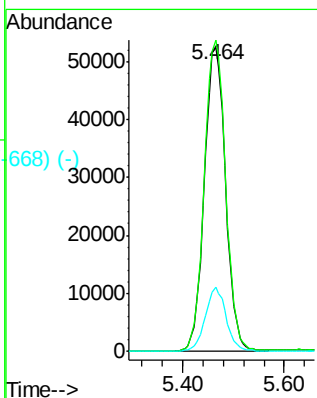
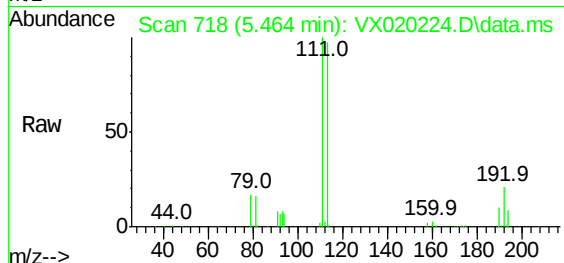




Dibromofluoromethane  
Concen: 49.22 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020224.D  
Acq: 20 Dec 2020 13:17

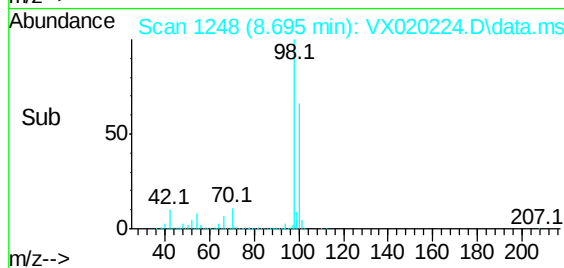
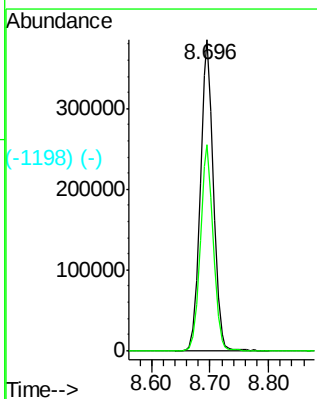
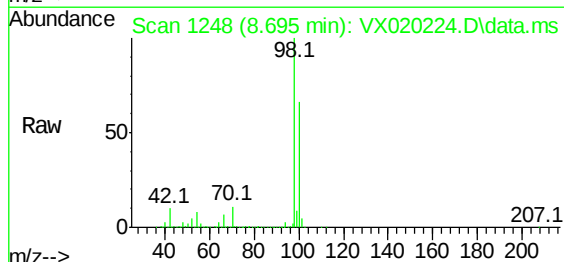
Instrument :  
MSVOA\_X  
ClientSampleId :  
49-5577(D)-121320

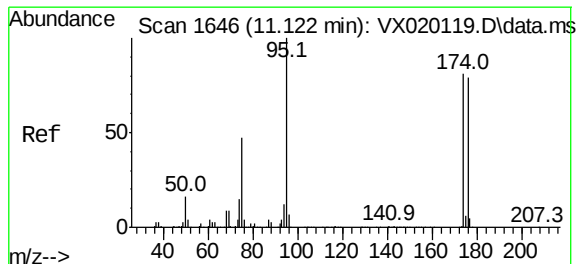
Tgt Ion:113 Resp: 151803  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.9 122.9  
192 20.2 16.7 25.1



Toluene-d8  
Concen: 49.59 ug/l  
RT: 8.695 min Scan# 1248  
Delta R.T. 0.006 min  
Lab File: VX020224.D  
Acq: 20 Dec 2020 13:17

Tgt Ion: 98 Resp: 588781  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.9 77.9



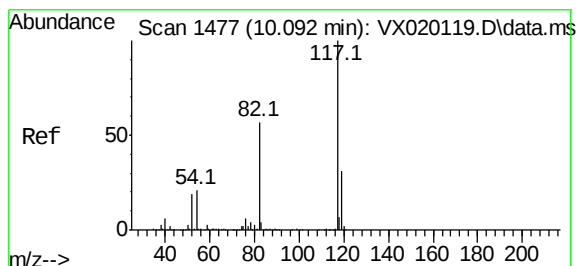
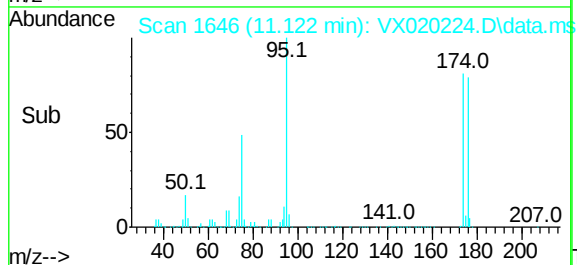
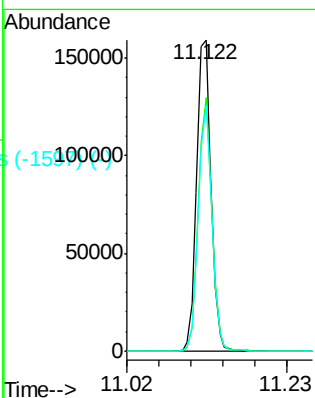
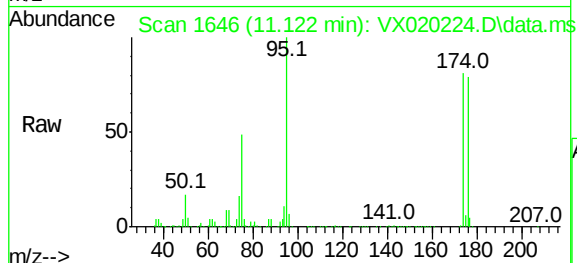


#639 (-)  
4-Bromofluorobenzene  
Concen: 45.56 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020224.D  
Acq: 20 Dec 2020 13:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
49-5577(D)-121320

Tgt Ion: 95 Resp: 207008

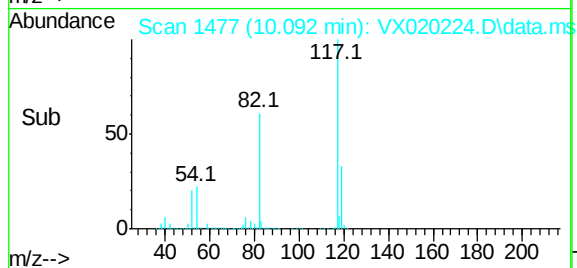
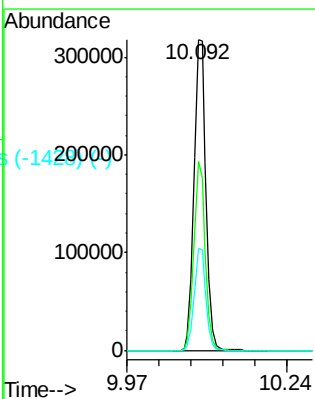
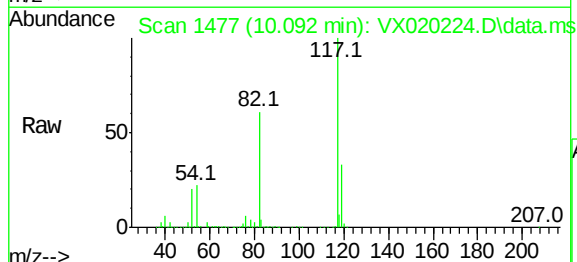
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 77.4  | 0.0   | 154.6 |
| 176 | 75.2  | 0.0   | 155.8 |

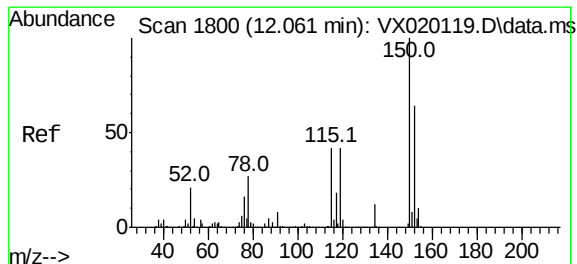


#640 (-)  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.092 min Scan# 1477  
Delta R.T. -0.000 min  
Lab File: VX020224.D  
Acq: 20 Dec 2020 13:17

Tgt Ion: 117 Resp: 446012

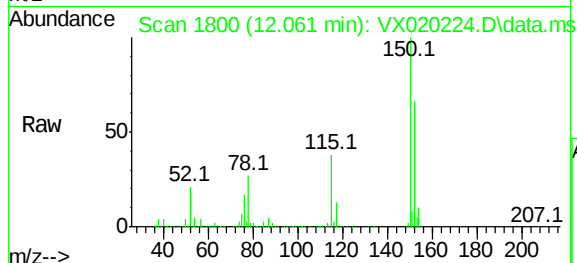
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 60.8  | 47.4  | 71.2  |
| 119 | 32.7  | 26.6  | 39.8  |





#1794 (-)  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. -0.000 min  
 Lab File: VX020224.D  
 Acq: 20 Dec 2020 13:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 49-5577(D)-121320



Tgt Ion:152 Resp: 195858

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.4  | 41.1  | 123.3 |
| 150 | 155.7 | 0.0   | 349.0 |

