

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082323\  
 Data File : VX037195.D  
 Acq On : 23 Aug 2023 19:55  
 Operator : JC/MD  
 Sample : 04051-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE125D2-20230816

Quant Time: Aug 24 05:38:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

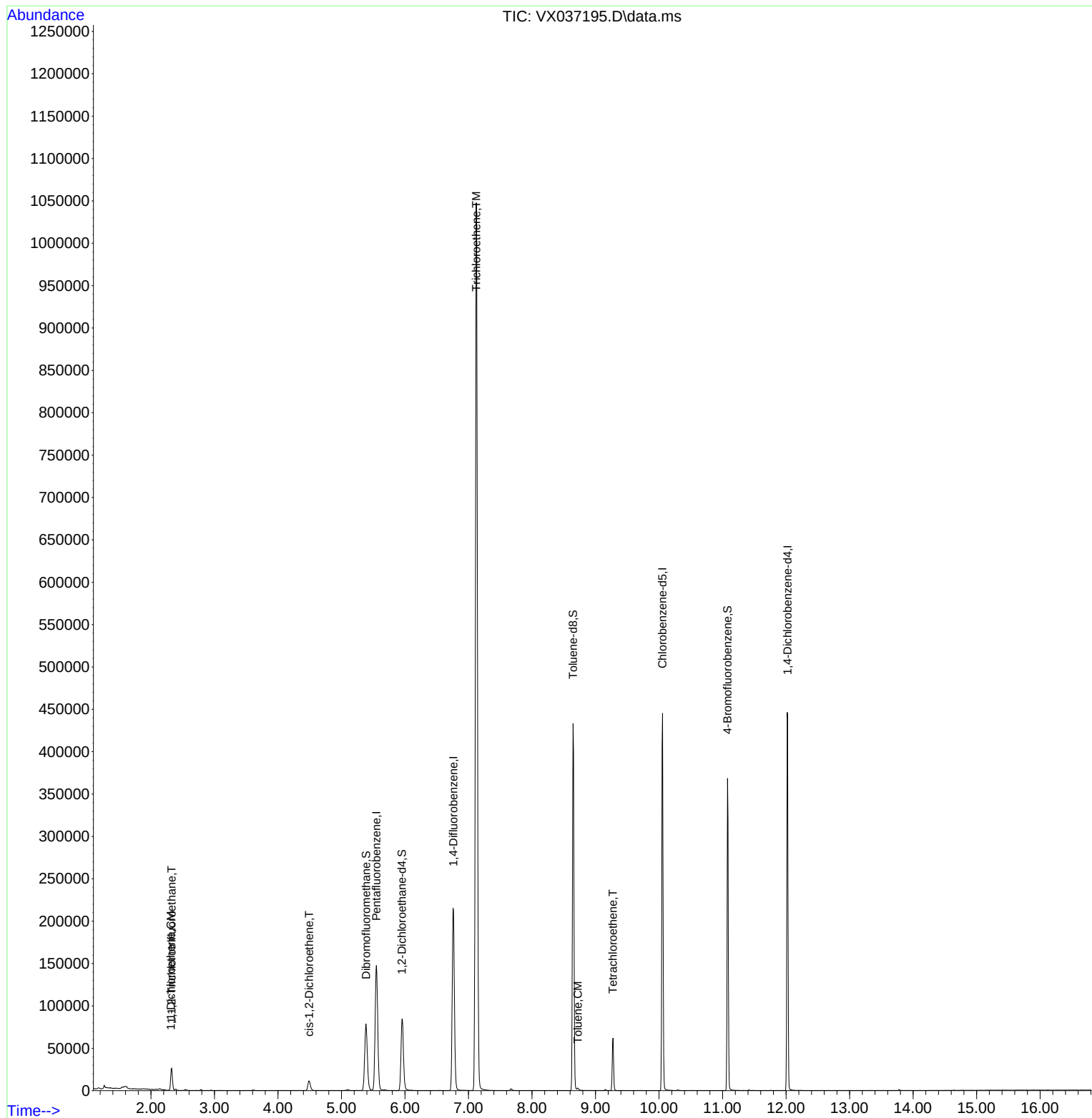
| Compound                     | R.T.   | QIon           | Response | Conc    | Units   | Dev(Min) |
|------------------------------|--------|----------------|----------|---------|---------|----------|
| -----                        |        |                |          |         |         |          |
| Internal Standards           |        |                |          |         |         |          |
| 1) Pentafluorobenzene        | 5.550  | 168            | 138253   | 50.000  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114            | 228486   | 50.000  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117            | 204400   | 50.000  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152            | 93923    | 50.000  | ug/l    | 0.00     |
| System Monitoring Compounds  |        |                |          |         |         |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65             | 86492    | 43.394  | ug/l    | 0.00     |
| Spiked Amount                | 50.000 | Range 78 - 117 | Recovery | =       | 86.780% |          |
| 35) Dibromofluoromethane     | 5.385  | 113            | 68267    | 45.114  | ug/l    | 0.00     |
| Spiked Amount                | 50.000 | Range 75 - 124 | Recovery | =       | 90.220% |          |
| 50) Toluene-d8               | 8.647  | 98             | 264889   | 48.258  | ug/l    | 0.00     |
| Spiked Amount                | 50.000 | Range 92 - 112 | Recovery | =       | 96.520% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95             | 101380   | 46.998  | ug/l    | 0.00     |
| Spiked Amount                | 50.000 | Range 83 - 123 | Recovery | =       | 94.000% |          |
| Target Compounds             |        |                |          |         |         |          |
|                              |        |                |          |         |         | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101            | 8340     | 5.707   | ug/l    | 99       |
| 12) 1,1-Dichloroethene       | 2.313  | 96             | 2676     | 1.880   | ug/l    | 92       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96             | 7768     | 4.073   | ug/l    | 81       |
| 44) Trichloroethene          | 7.123  | 130            | 410815   | 234.973 | ug/l    | 98       |
| 52) Toluene                  | 8.720  | 92             | 1108     | 0.272   | ug/l    | 94       |
| 64) Tetrachloroethene        | 9.275  | 164            | 11029    | 7.396   | ug/l    | 92       |
| -----                        |        |                |          |         |         |          |

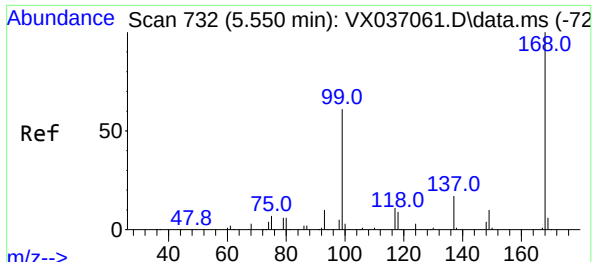
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082323\  
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RE125D2-20230816

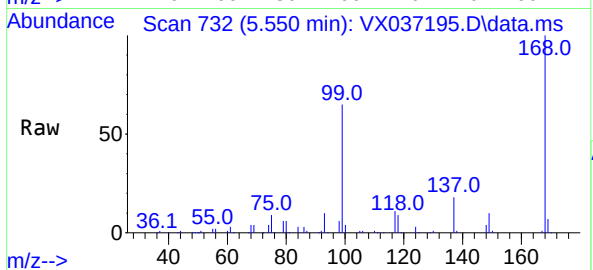
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration



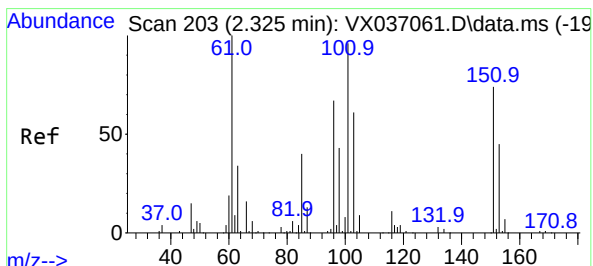
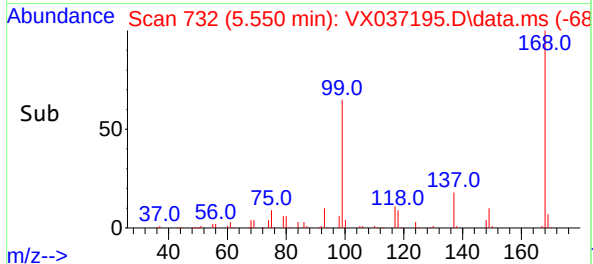
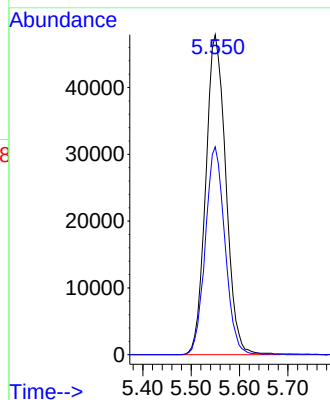


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20230816

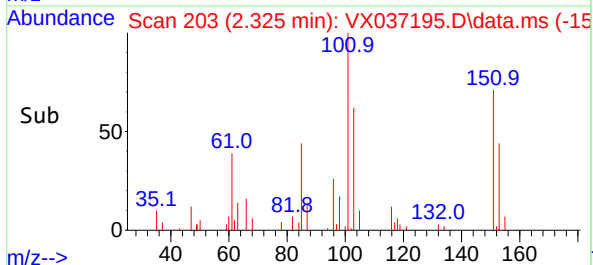
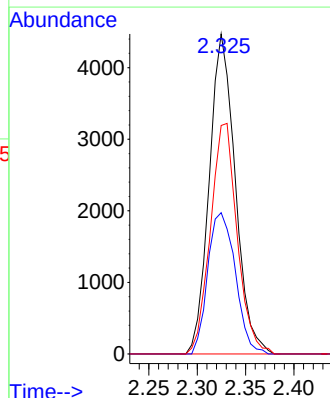
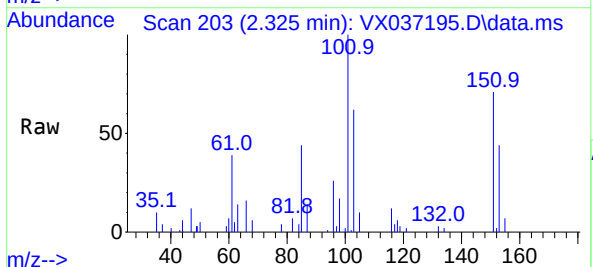


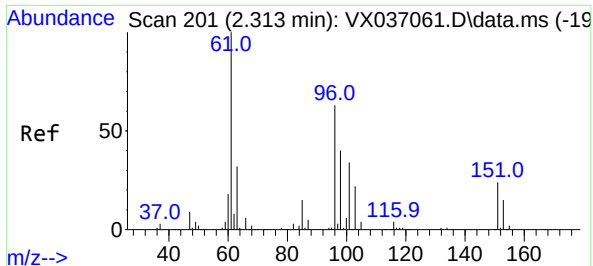
Tgt Ion:168 Resp: 138253  
Ion Ratio Lower Upper  
168 100  
99 65.0 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.707 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

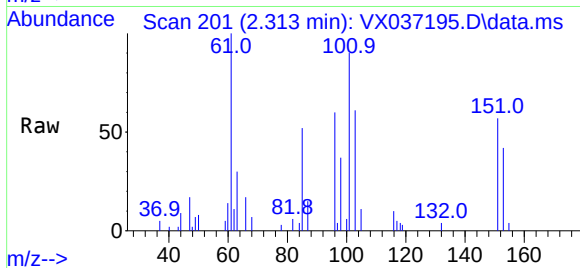
Tgt Ion:101 Resp: 8340  
Ion Ratio Lower Upper  
101 100  
85 46.9 37.0 55.6  
151 74.2 58.6 87.8





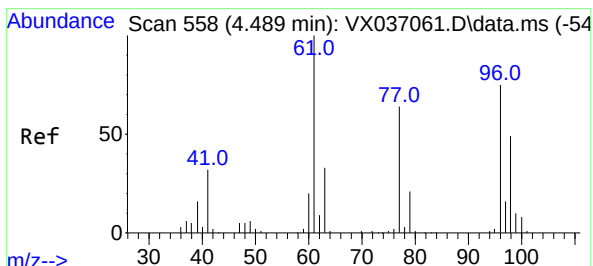
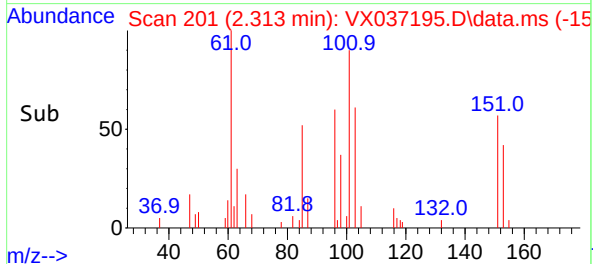
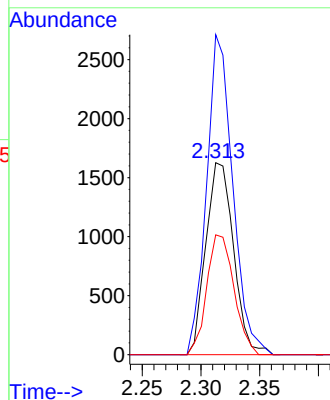
#12  
1,1-Dichloroethene  
Concen: 1.880 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

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MSVOA\_X  
ClientSampleId :  
RE125D2-20230816



Tgt Ion: 96 Resp: 2676

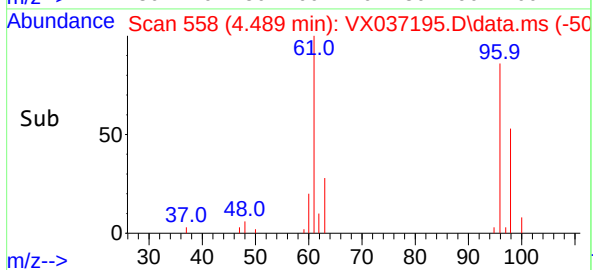
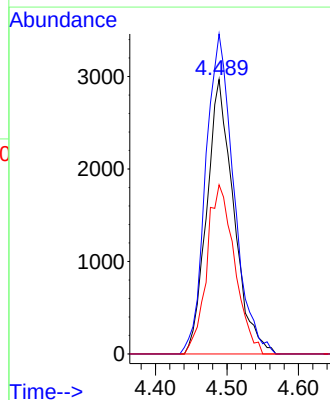
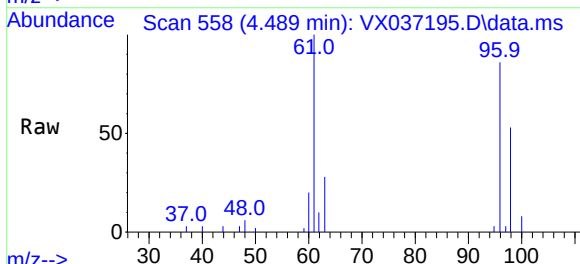
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 166.6 | 144.6 | 216.8 |
| 98  | 62.4  | 50.4  | 75.6  |

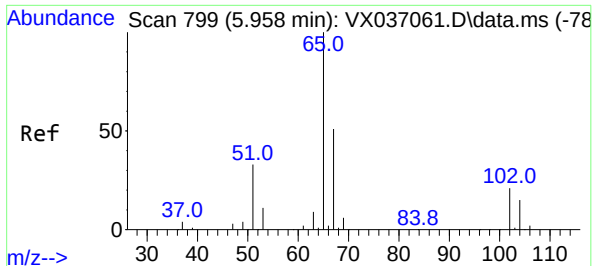


#27  
cis-1,2-Dichloroethene  
Concen: 4.073 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

Tgt Ion: 96 Resp: 7768

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 121.4 | 0.0   | 312.2 |
| 98  | 63.6  | 0.0   | 129.0 |

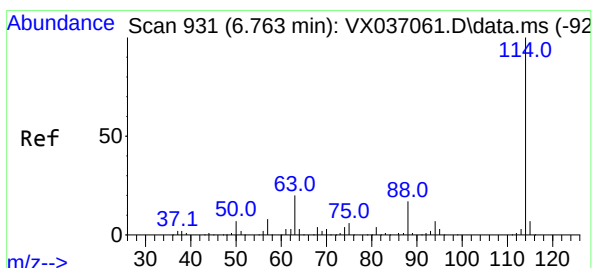
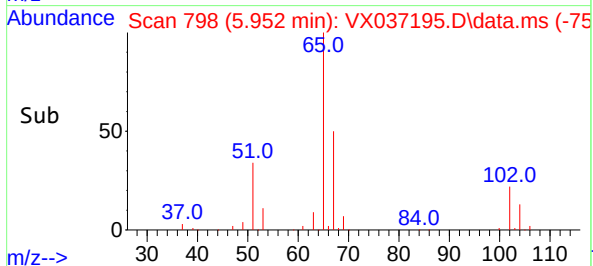
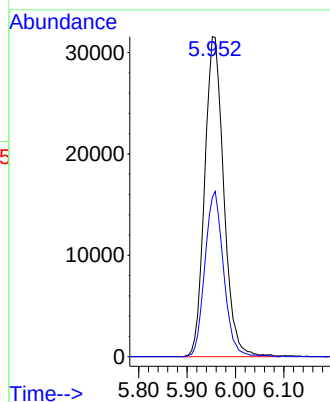
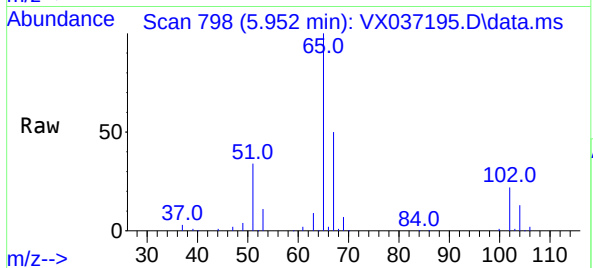




#33  
1,2-Dichloroethane-d4  
Concen: 43.394 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

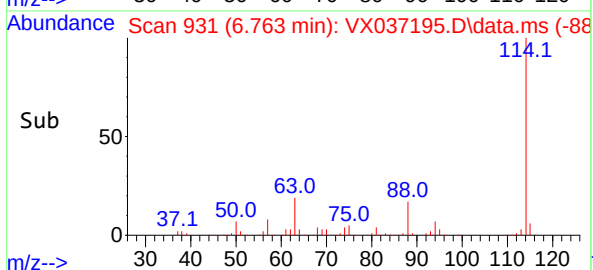
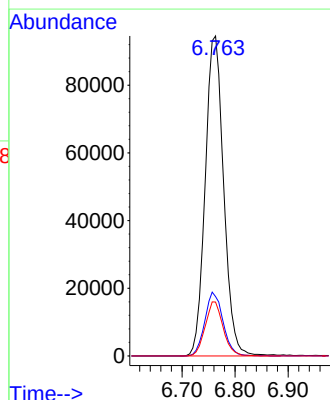
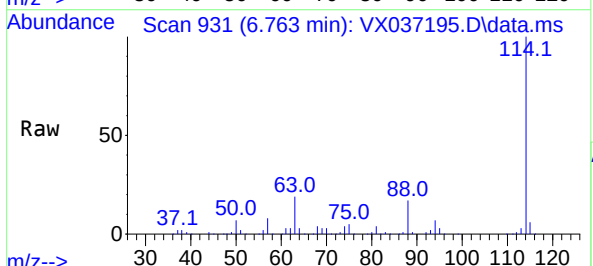
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20230816

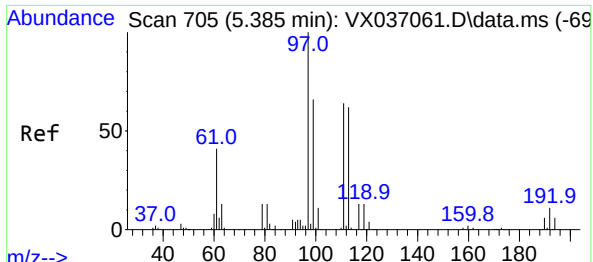
Tgt Ion: 65 Resp: 86492  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

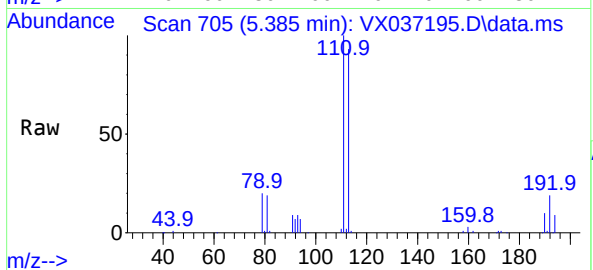
Tgt Ion:114 Resp: 228486  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 45.0  
88 16.9 0.0 36.6



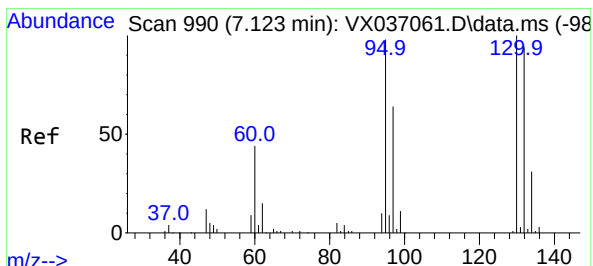
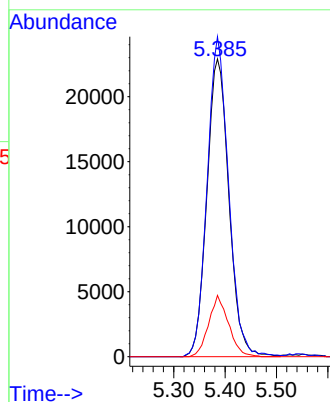
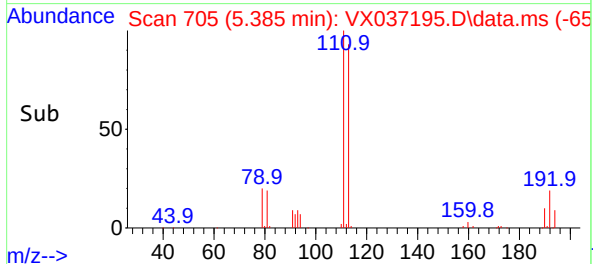


#35  
Dibromofluoromethane  
Concen: 45.114 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20230816

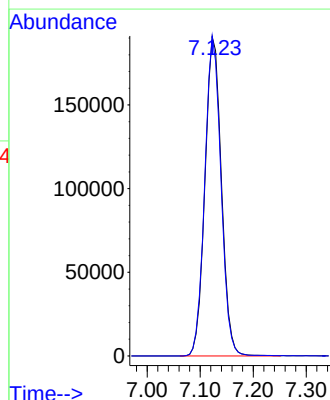
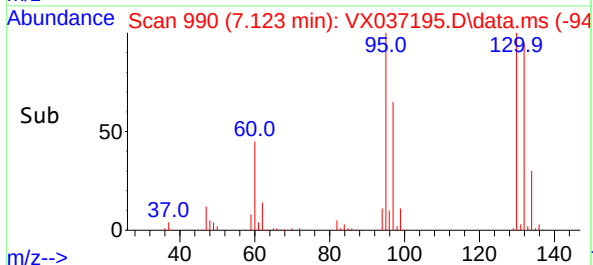
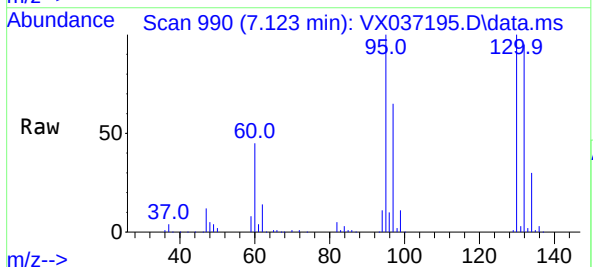


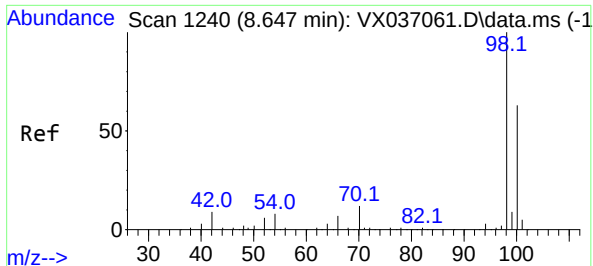
Tgt Ion:113 Resp: 68267  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.9 124.3  
192 18.6 13.3 19.9



#44  
Trichloroethene  
Concen: 234.973 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

Tgt Ion:130 Resp: 410815  
Ion Ratio Lower Upper  
130 100  
95 100.2 0.0 204.4

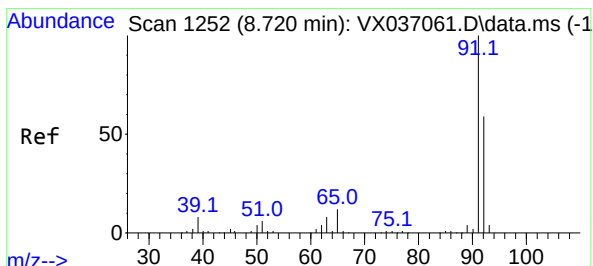
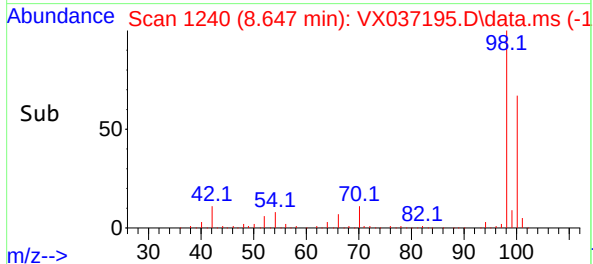
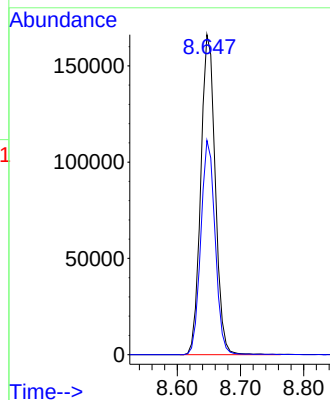
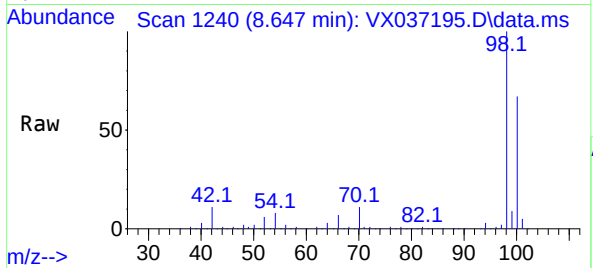




#50  
Toluene-d8  
Concen: 48.258 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

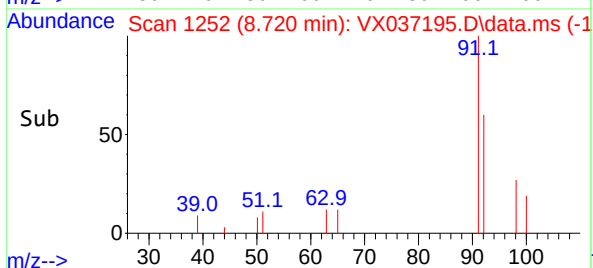
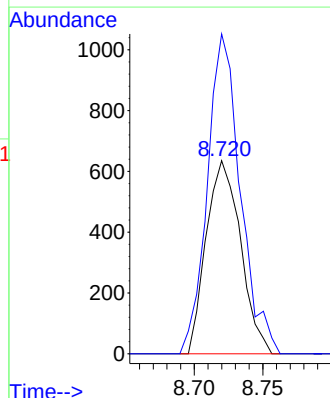
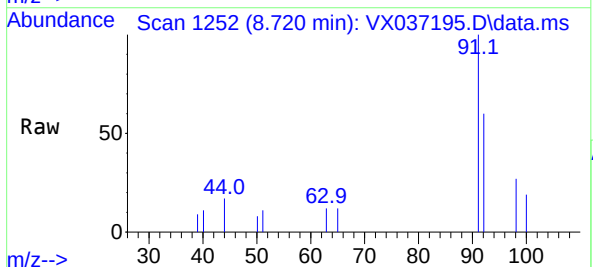
Instrument :  
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ClientSampleId :  
RE125D2-20230816

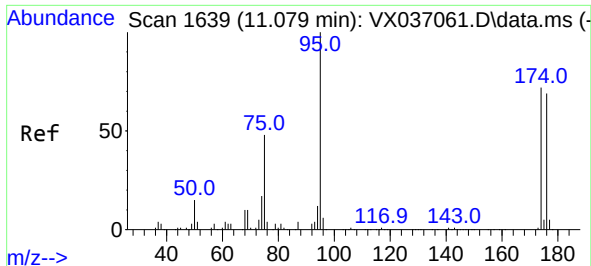
Tgt Ion: 98 Resp: 264889  
Ion Ratio Lower Upper  
98 100  
100 66.2 53.1 79.7



#52  
Toluene  
Concen: 0.272 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

Tgt Ion: 92 Resp: 1108  
Ion Ratio Lower Upper  
92 100  
91 159.0 134.2 201.2

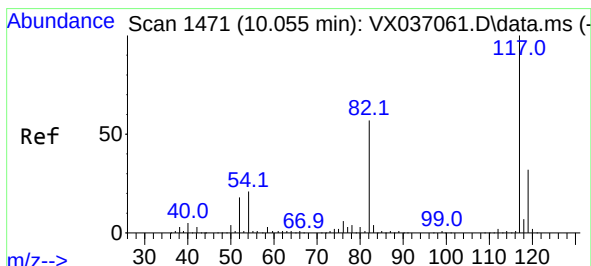
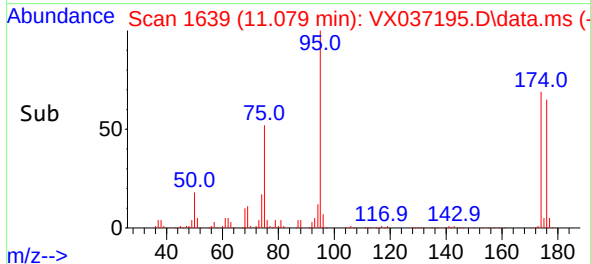
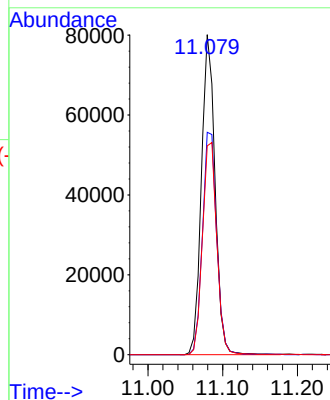
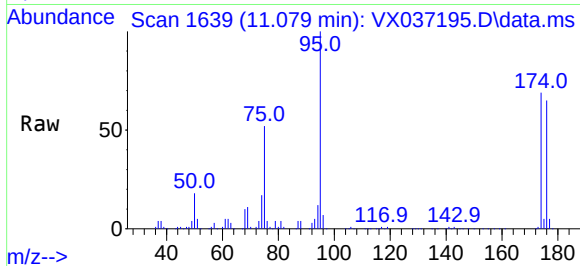




#62  
4-Bromofluorobenzene  
Concen: 46.998 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

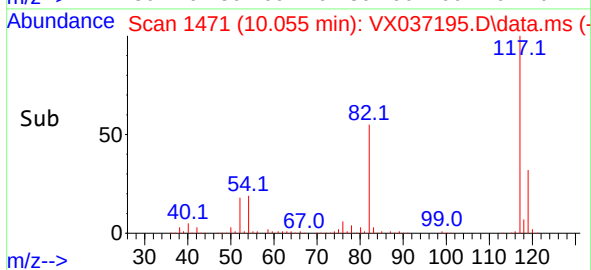
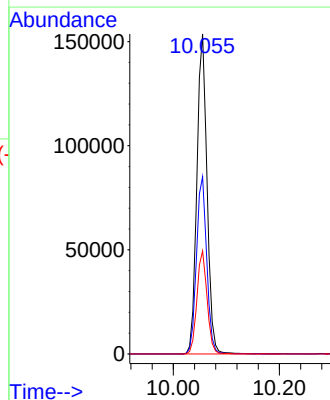
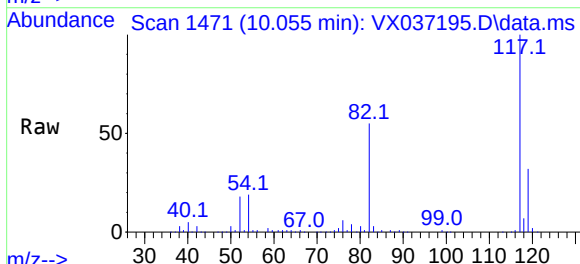
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20230816

Tgt Ion: 95 Resp: 101380  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 135.6  
176 69.9 0.0 131.0

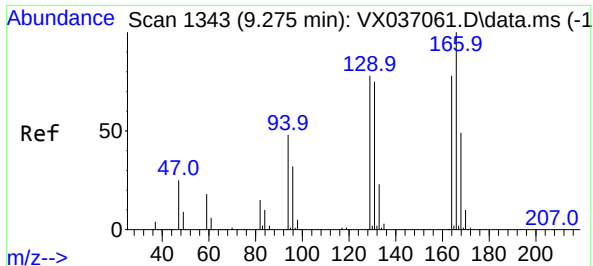


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

Tgt Ion: 117 Resp: 204400  
Ion Ratio Lower Upper  
117 100  
82 55.4 46.2 69.4  
119 32.2 25.5 38.3





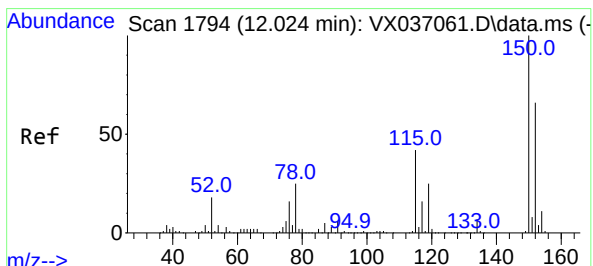
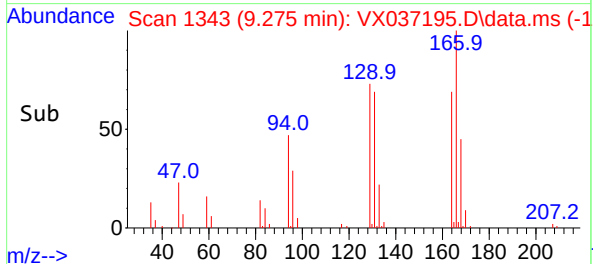
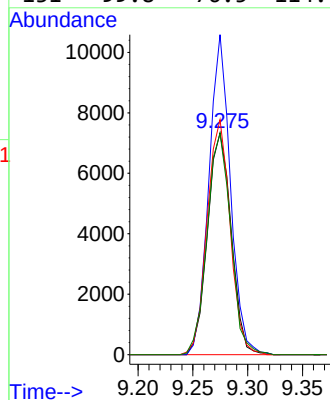
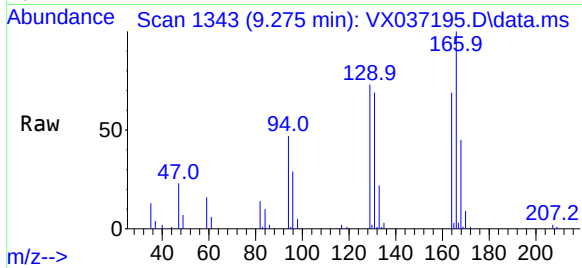


#64  
Tetrachloroethene  
Concen: 7.396 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20230816

Tgt Ion:164 Resp: 11029

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 144.3 | 102.7 | 154.1 |
| 129 | 106.0 | 80.4  | 120.6 |
| 131 | 99.8  | 76.5  | 114.7 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX037195.D  
Acq: 23 Aug 2023 19:55

Tgt Ion:152 Resp: 93923

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.5  | 43.3  | 129.9 |
| 150 | 156.0 | 0.0   | 345.0 |

