

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082323\  
 Data File : VX037189.D  
 Acq On : 23 Aug 2023 17:29  
 Operator : JC/MD  
 Sample : 04024-15DL 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE103D1-20230815DL

Quant Time: Aug 24 05:35:20 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

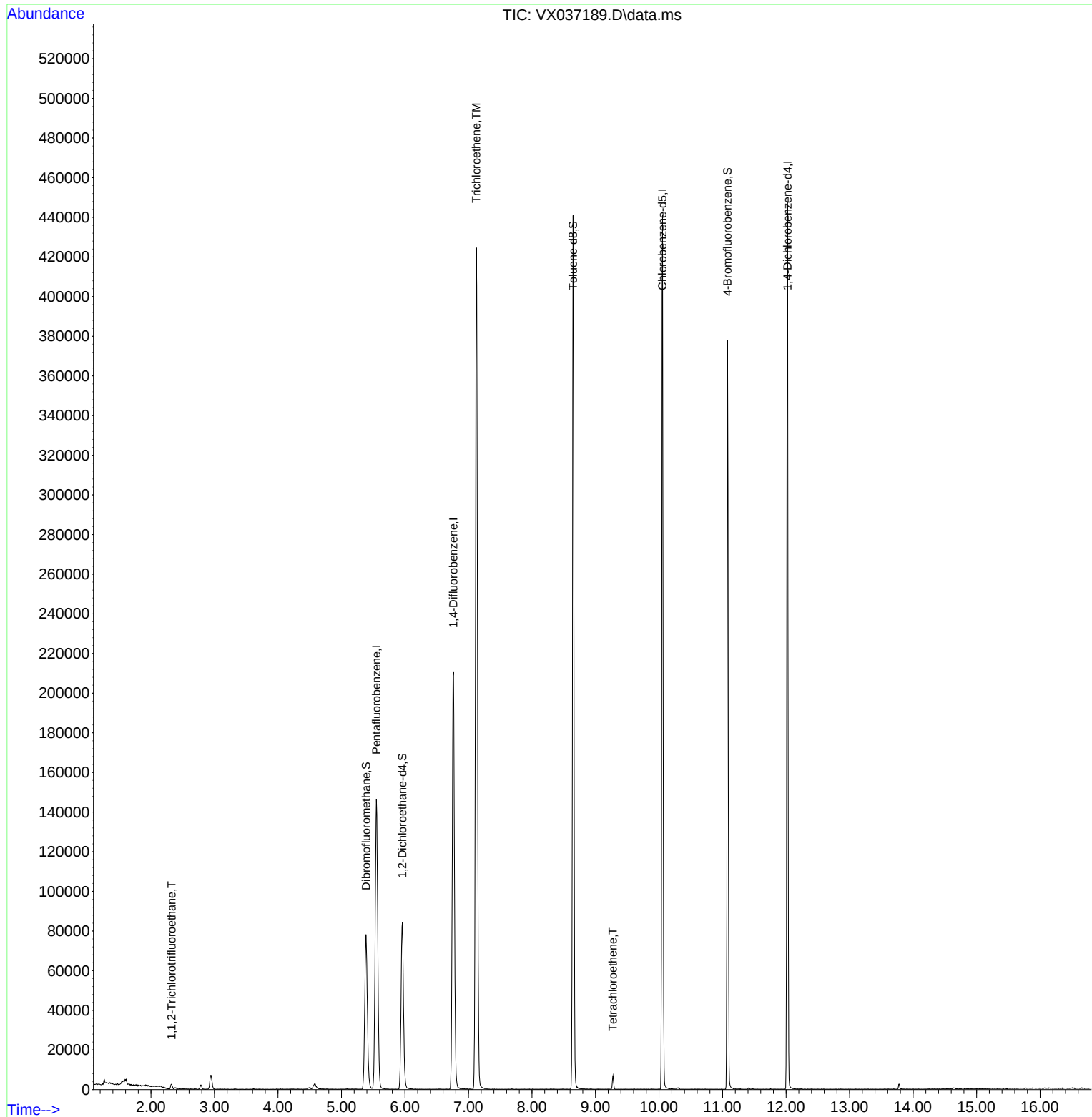
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 135917   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 224244   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 201414   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 94600    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958  | 65    | 84710    | 43.231   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 86.460%  |
| 35) Dibromofluoromethane     | 5.385  | 113   | 67641    | 45.546   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 91.100%  |
| 50) Toluene-d8               | 8.647  | 98    | 263063   | 48.832   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 97.660%  |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 100854   | 47.639   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 95.280%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101   | 789      | 0.549    | ug/l   | 92       |
| 44) Trichloroethene          | 7.123  | 130   | 167771   | 97.775   | ug/l   | 96       |
| 64) Tetrachloroethene        | 9.275  | 164   | 1147     | 0.781    | ug/l   | 93       |
| -----                        |        |       |          |          |        |          |

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

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ClientSampleId :  
RE103D1-20230815DL

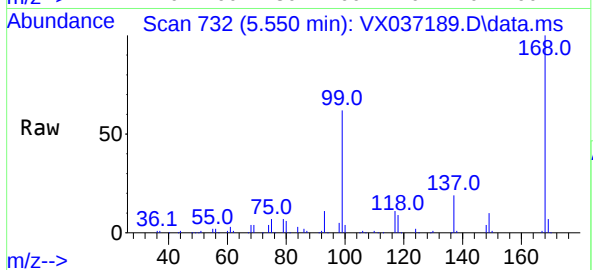
Quant Time: Aug 24 05:35:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration



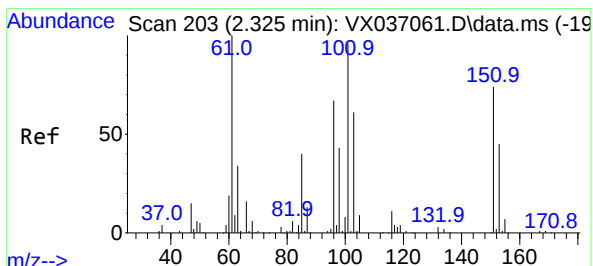
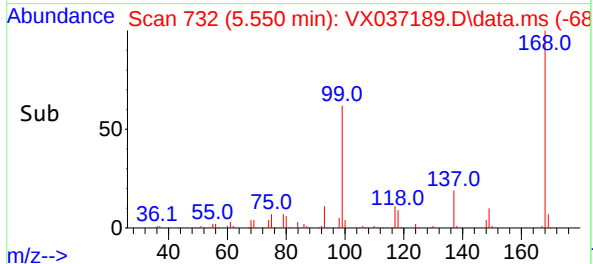
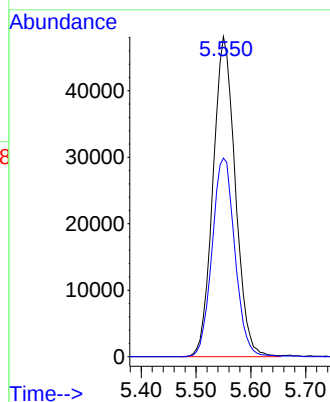


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D1-20230815DL

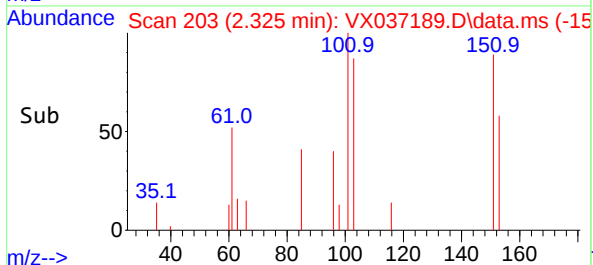
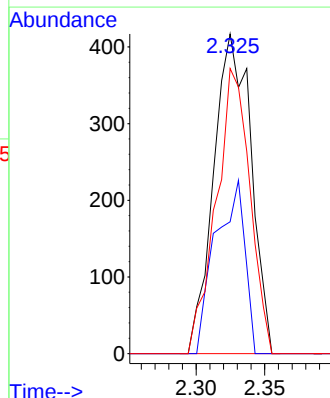
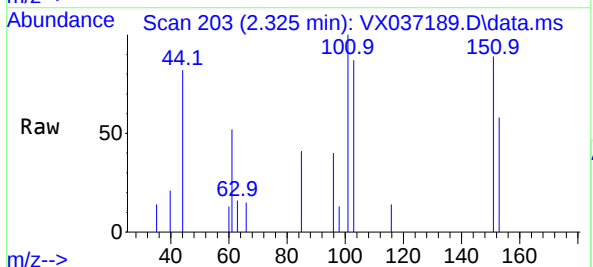


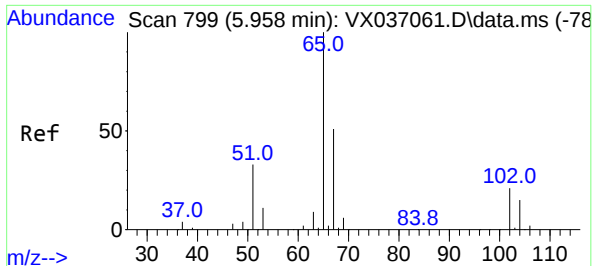
Tgt Ion:168 Resp: 135917  
Ion Ratio Lower Upper  
168 100  
99 62.0 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.549 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

Tgt Ion:101 Resp: 789  
Ion Ratio Lower Upper  
101 100  
85 42.5 37.0 55.6  
151 80.7 58.6 87.8

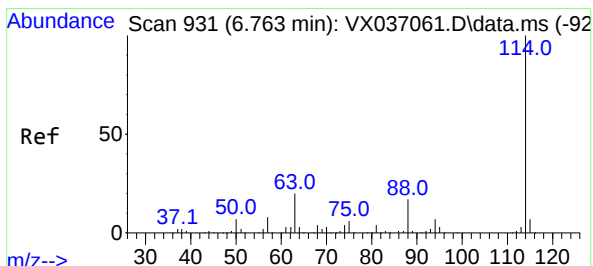
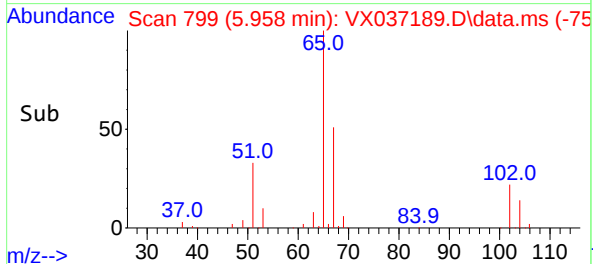
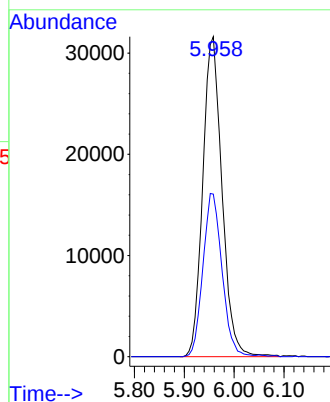
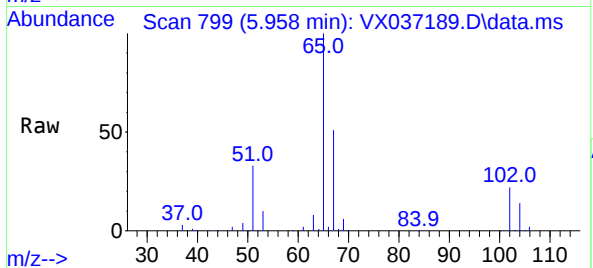




#33  
1,2-Dichloroethane-d4  
Concen: 43.231 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

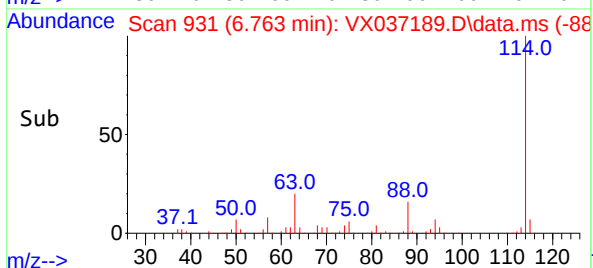
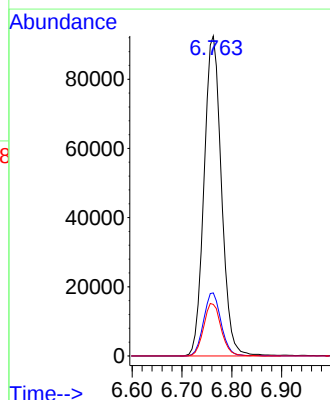
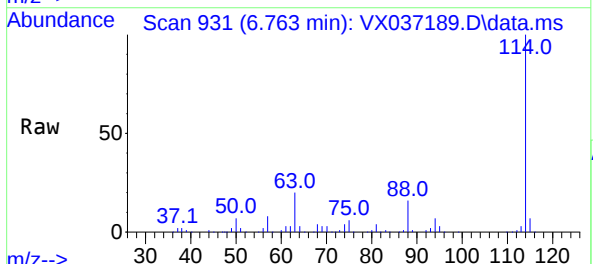
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D1-20230815DL

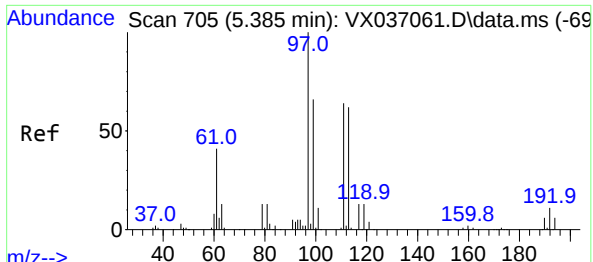
Tgt Ion: 65 Resp: 84710  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

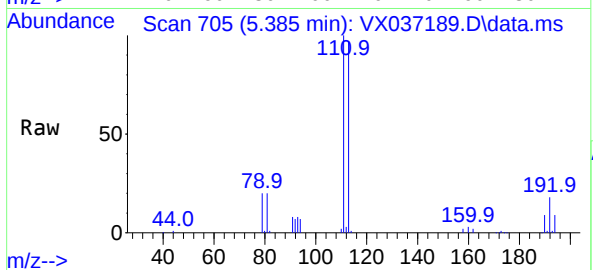
Tgt Ion:114 Resp: 224244  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 45.0  
88 16.1 0.0 36.6





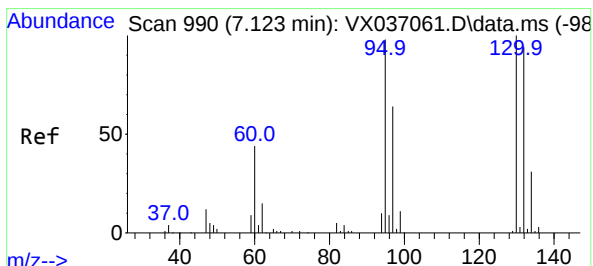
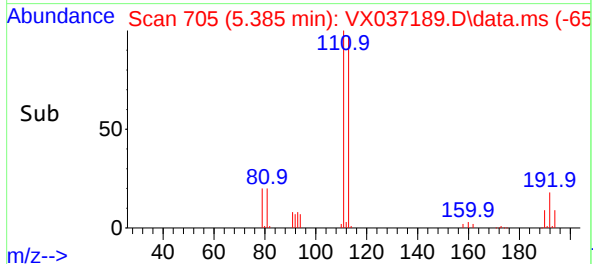
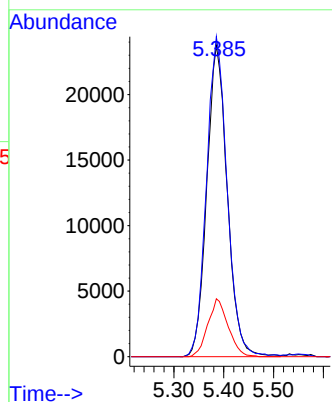
#35  
Dibromofluoromethane  
Concen: 45.546 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

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Tgt Ion:113 Resp: 67641

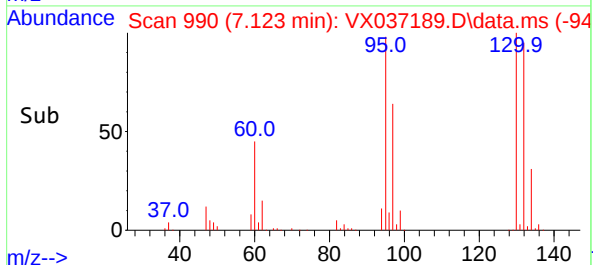
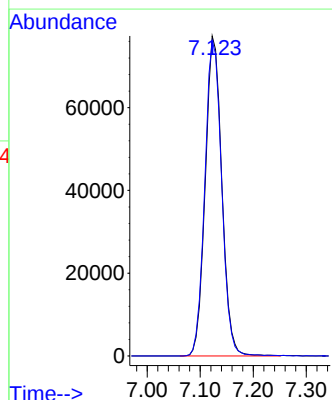
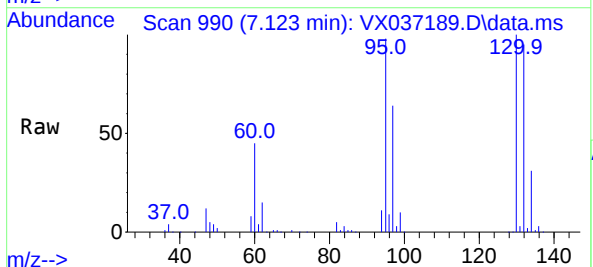
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.5 | 82.9  | 124.3 |
| 192 | 18.5  | 13.3  | 19.9  |

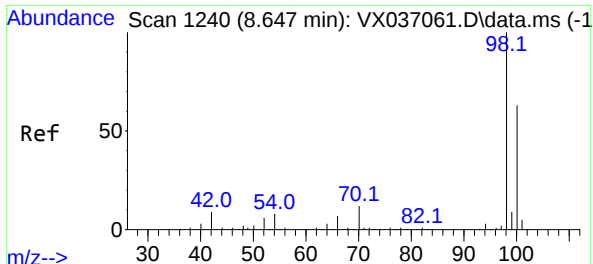


#44  
Trichloroethene  
Concen: 97.775 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

Tgt Ion:130 Resp: 167771

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 98.5  | 0.0   | 204.4 |

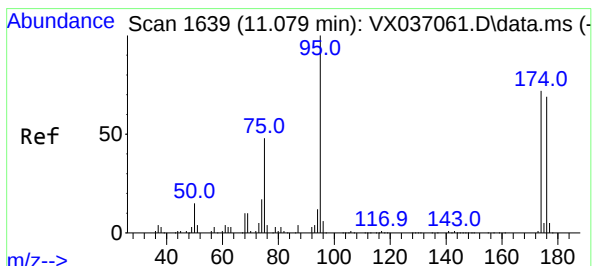
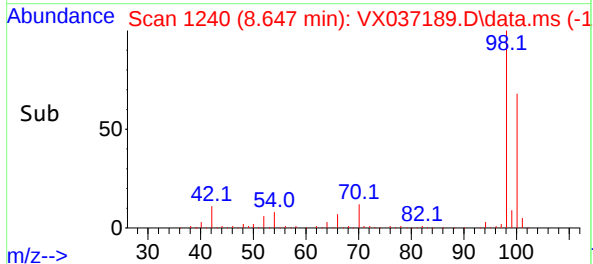
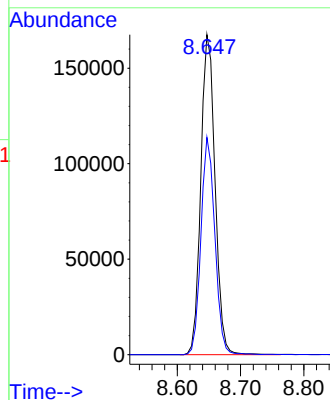
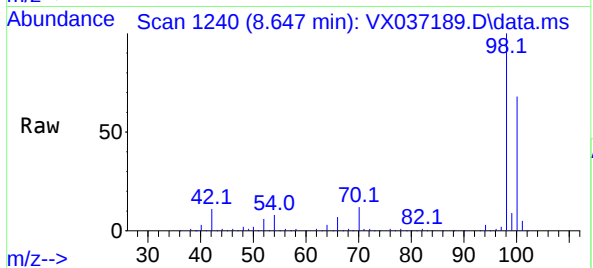




#50  
Toluene-d8  
Concen: 48.832 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

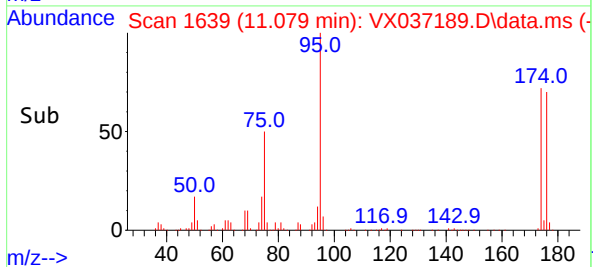
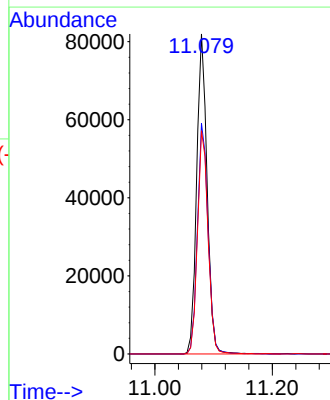
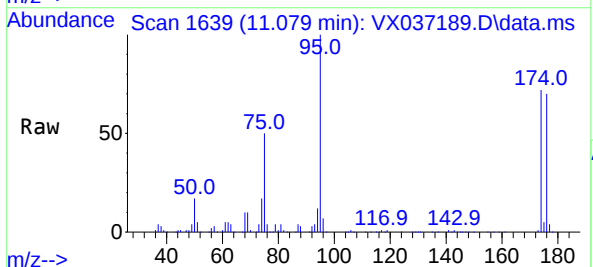
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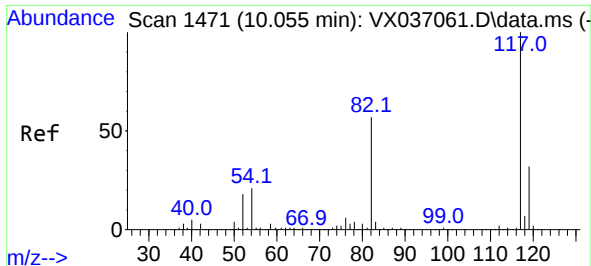
Tgt Ion: 98 Resp: 263063  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 47.639 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

Tgt Ion: 95 Resp: 100854  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 135.6  
176 71.0 0.0 131.0



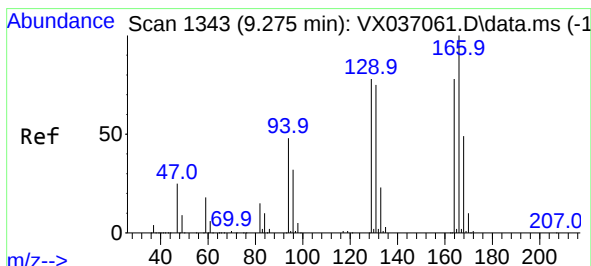
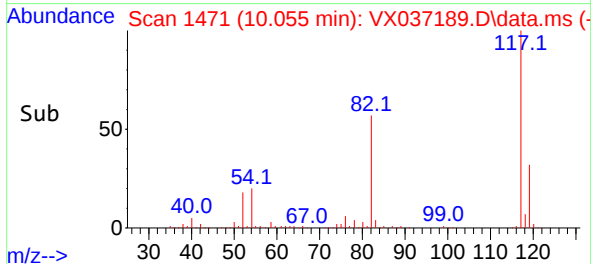
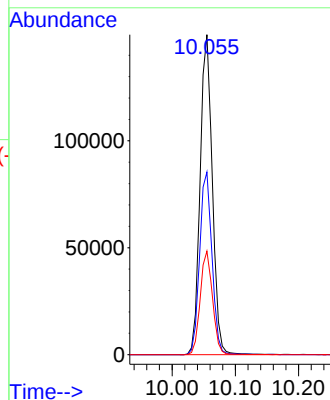
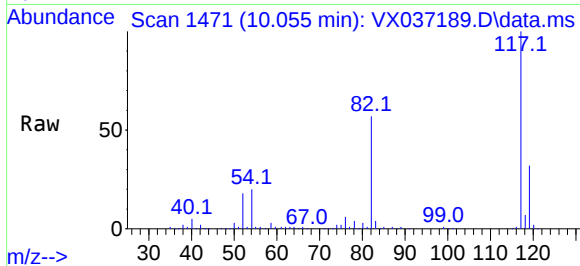


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

Instrument : MSVOA\_X  
ClientSampleId : RE103D1-20230815DL

Tgt Ion:117 Resp: 201414

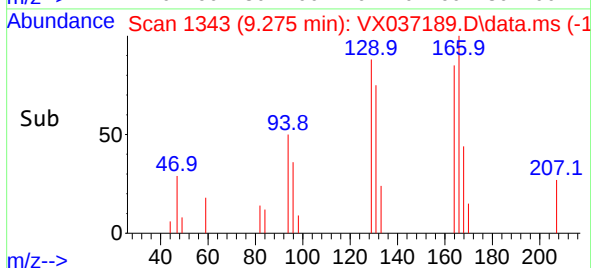
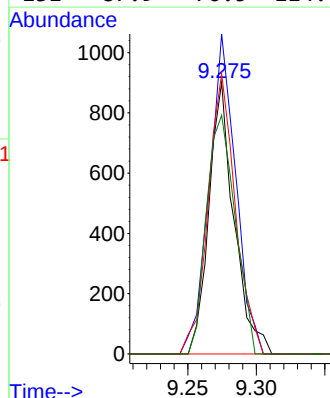
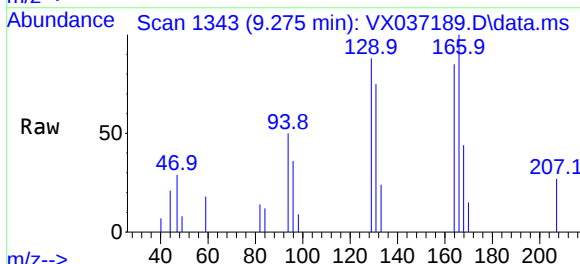
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 57.1  | 46.2  | 69.4  |
| 119 | 32.3  | 25.5  | 38.3  |

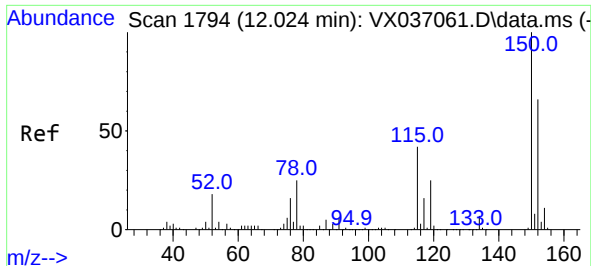


#64  
Tetrachloroethene  
Concen: 0.781 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX037189.D  
Acq: 23 Aug 2023 17:29

Tgt Ion:164 Resp: 1147

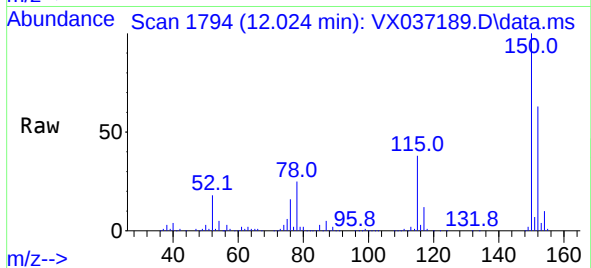
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 117.9 | 102.7 | 154.1 |
| 129 | 103.2 | 80.4  | 120.6 |
| 131 | 87.9  | 76.5  | 114.7 |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX037189.D  
 Acq: 23 Aug 2023 17:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE103D1-20230815DL



Tgt Ion:152 Resp: 94600  
 Ion Ratio Lower Upper  
 152 100  
 115 63.8 43.3 129.9  
 150 159.2 0.0 345.0

