

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081823\  
 Data File : VX037089.D  
 Acq On : 18 Aug 2023 17:07  
 Operator : JC/MD  
 Sample : 04024-15DL 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE103D1-20230815DL

Quant Time: Aug 19 05:20:33 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

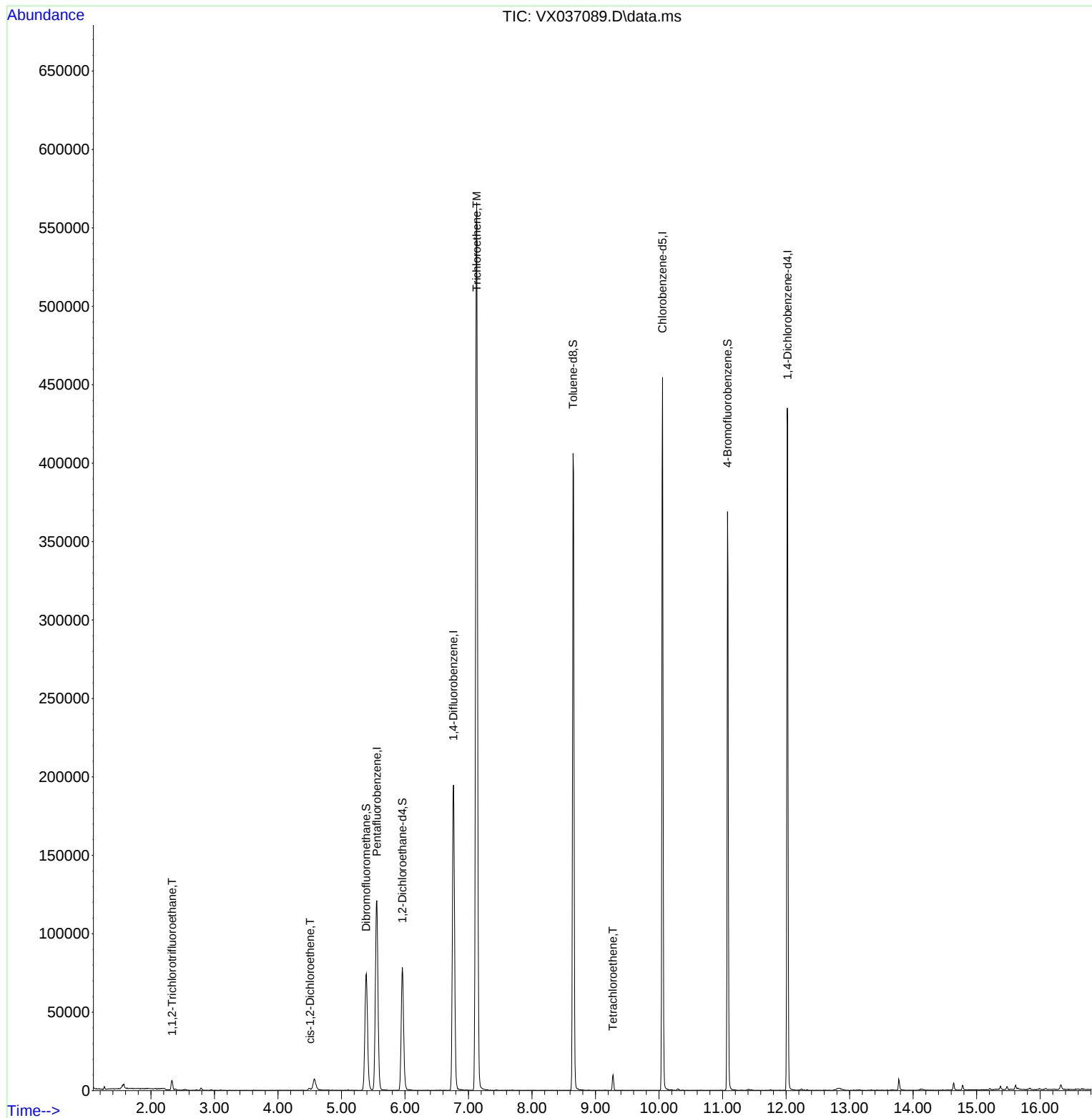
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.556  | 168   | 112393   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 205433   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 202247   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 92538    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958  | 65    | 79278    | 48.927   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 97.860%  |
| 35) Dibromofluoromethane     | 5.385  | 113   | 65916    | 48.449   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 96.900%  |
| 50) Toluene-d8               | 8.647  | 98    | 247433   | 50.137   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 100.280% |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 100742   | 51.943   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 103.880% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 2480     | 2.087    | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.507  | 96    | 865      | 0.558    | ug/l   | 85       |
| 44) Trichloroethene          | 7.129  | 130   | 224197   | 142.624  | ug/l   | 98       |
| 64) Tetrachloroethene        | 9.275  | 164   | 1779     | 1.206    | ug/l   | 91       |
| -----                        |        |       |          |          |        |          |

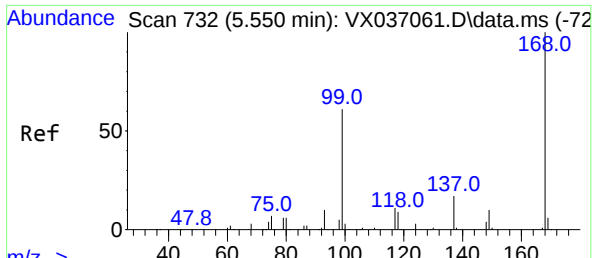
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081823\  
Data File : VX037089.D  
Acq On : 18 Aug 2023 17:07  
Operator : JC/MD  
Sample : 04024-15DL 5X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D1-20230815DL

Quant Time: Aug 19 05:20:33 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: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX037089.D

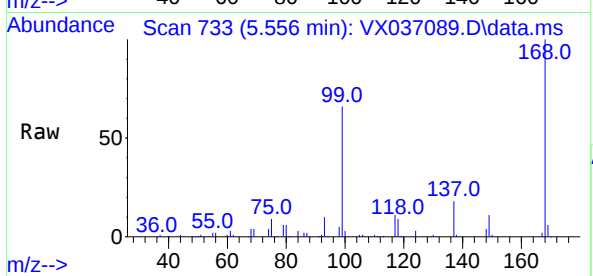
Acq: 18 Aug 2023 17:07

Instrument :

MSVOA\_X

ClientSampleId :

RE103D1-20230815DL

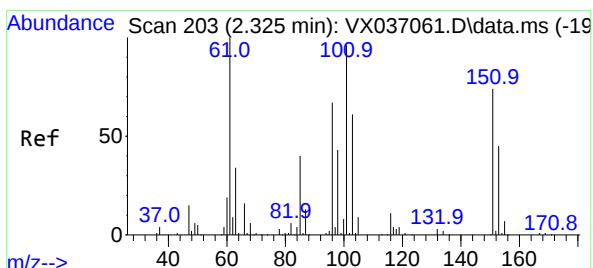
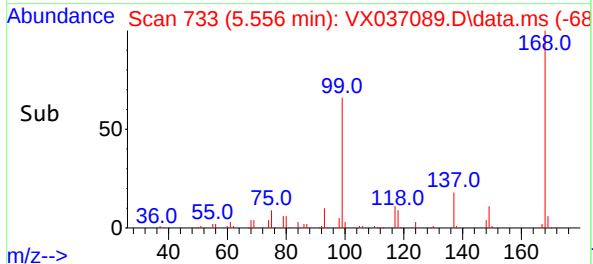
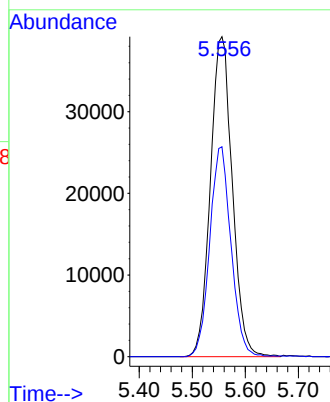


Tgt Ion:168 Resp: 112393

Ion Ratio Lower Upper

168 100

99 65.6 56.6 85.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.087 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX037089.D

Acq: 18 Aug 2023 17:07

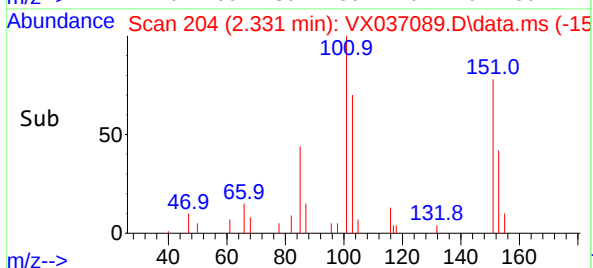
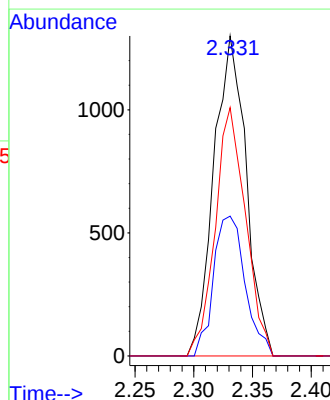
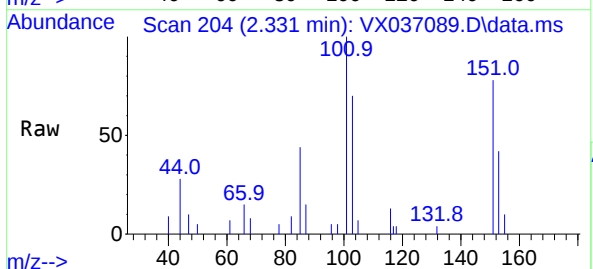
Tgt Ion:101 Resp: 2480

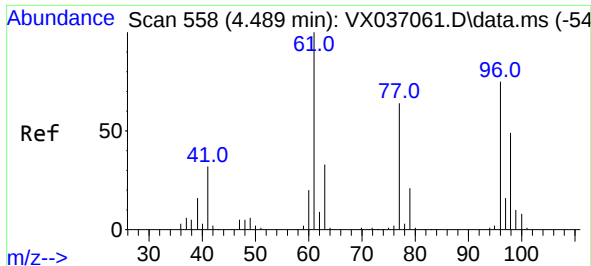
Ion Ratio Lower Upper

101 100

85 42.9 37.0 55.6

151 73.2 58.6 87.8

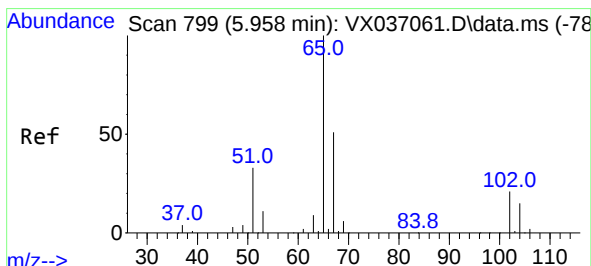
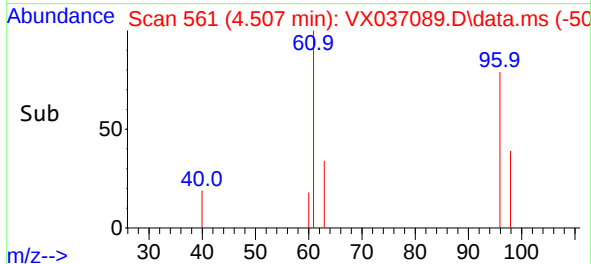
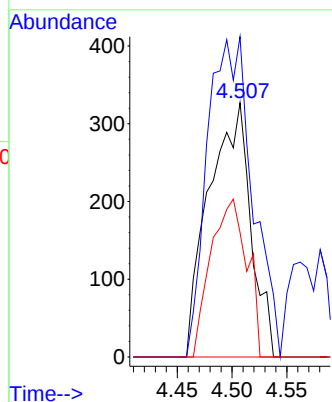
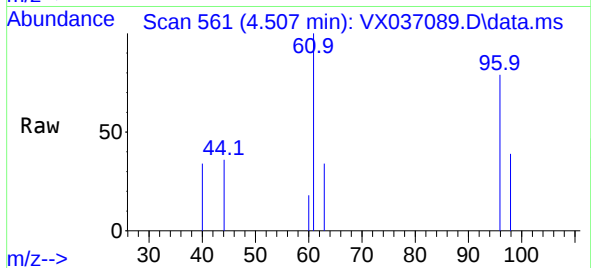




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.558 ug/l  
 RT: 4.507 min Scan# 50  
 Delta R.T. 0.018 min  
 Lab File: VX037089.D  
 Acq: 18 Aug 2023 17:07

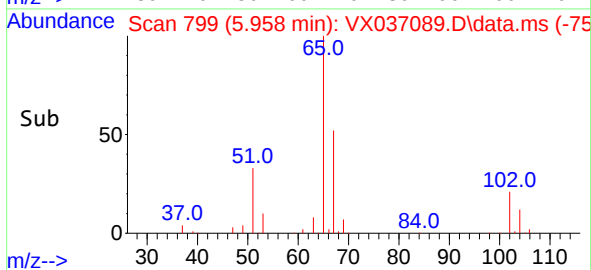
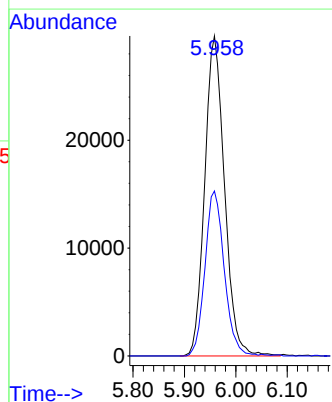
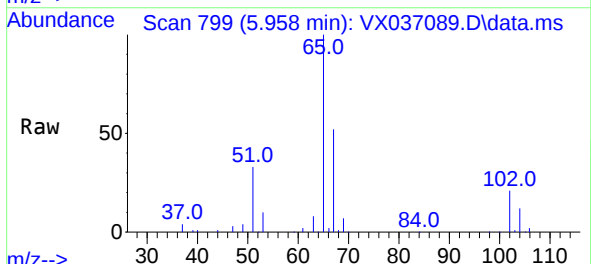
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE103D1-20230815DL

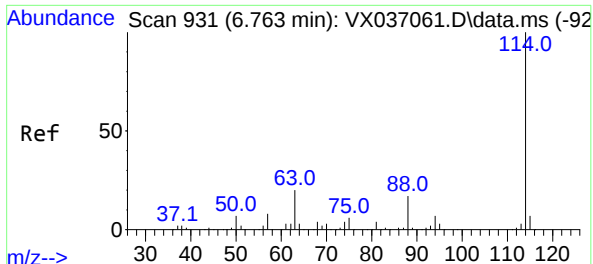
Tgt Ion: 96 Resp: 865  
 Ion Ratio Lower Upper  
 96 100  
 61 135.5 0.0 312.2  
 98 54.1 0.0 129.0



#33  
 1,2-Dichloroethane-d4  
 Concen: 48.927 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX037089.D  
 Acq: 18 Aug 2023 17:07

Tgt Ion: 65 Resp: 79278  
 Ion Ratio Lower Upper  
 65 100  
 67 50.3 0.0 100.2

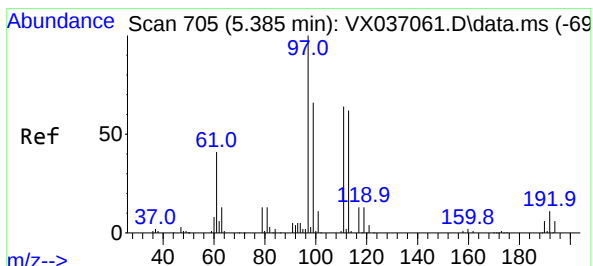
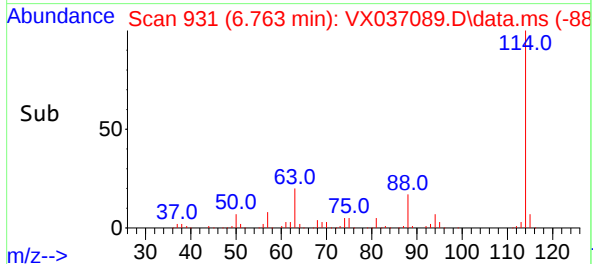
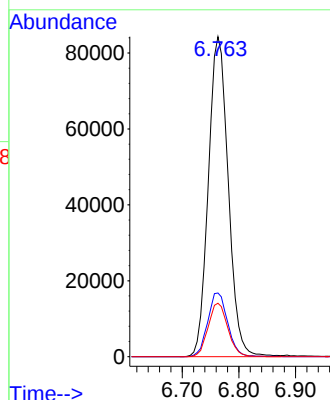
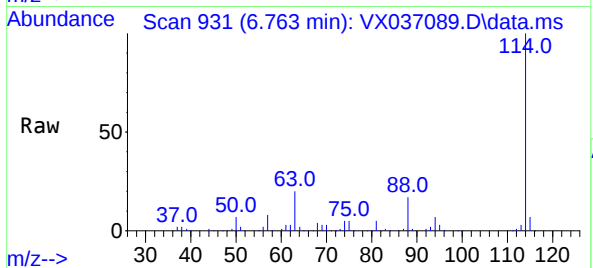




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX037089.D  
Acq: 18 Aug 2023 17:07

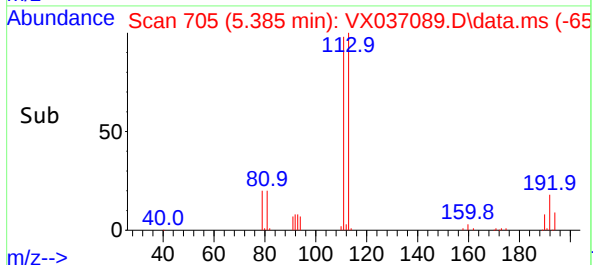
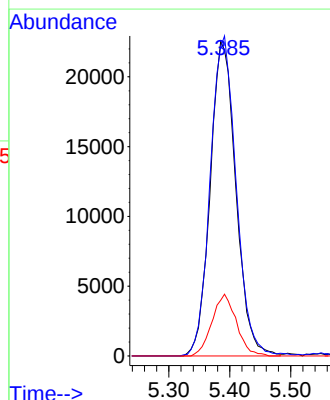
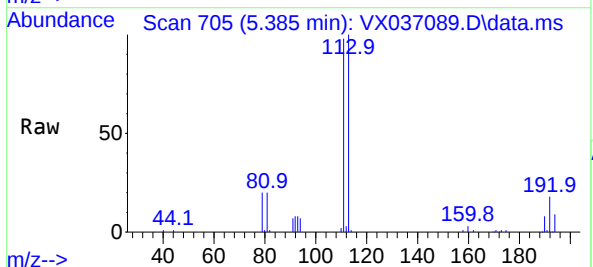
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D1-20230815DL

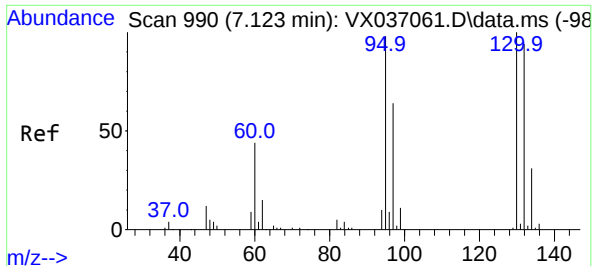
Tgt Ion:114 Resp: 205433  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 45.0  
88 16.7 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 48.449 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037089.D  
Acq: 18 Aug 2023 17:07

Tgt Ion:113 Resp: 65916  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.9 124.3  
192 18.7 13.3 19.9

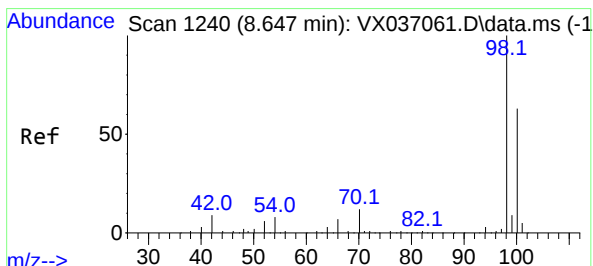
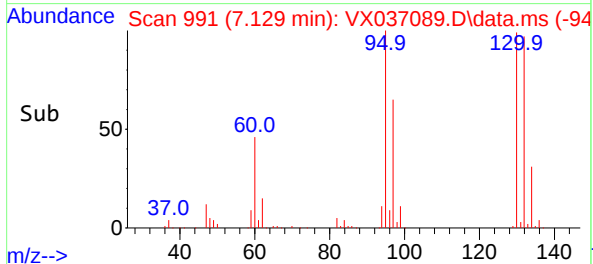
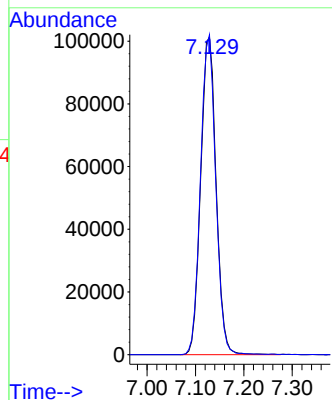
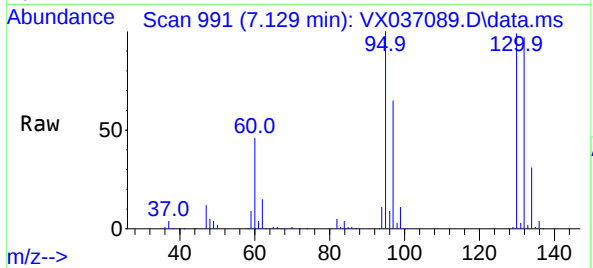




#44  
Trichloroethene  
Concen: 142.624 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX037089.D  
Acq: 18 Aug 2023 17:07

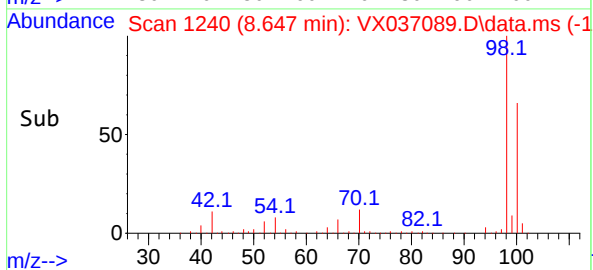
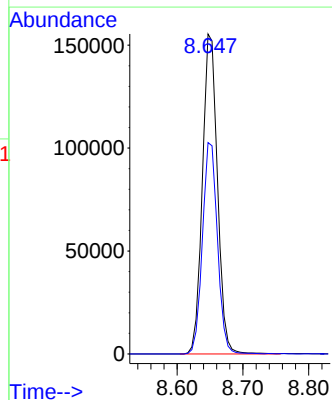
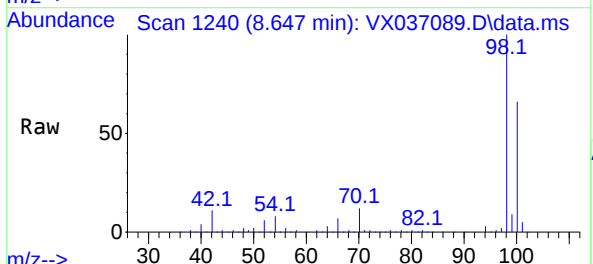
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D1-20230815DL

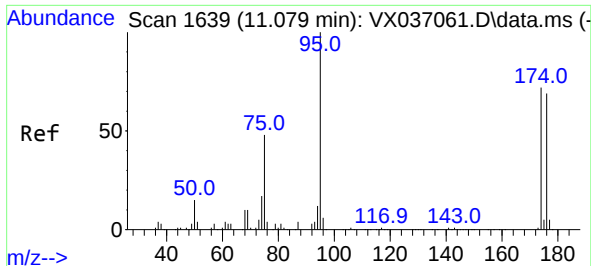
Tgt Ion:130 Resp: 224197  
Ion Ratio Lower Upper  
130 100  
95 100.7 0.0 204.4



#50  
Toluene-d8  
Concen: 50.137 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037089.D  
Acq: 18 Aug 2023 17:07

Tgt Ion: 98 Resp: 247433  
Ion Ratio Lower Upper  
98 100  
100 65.9 53.1 79.7

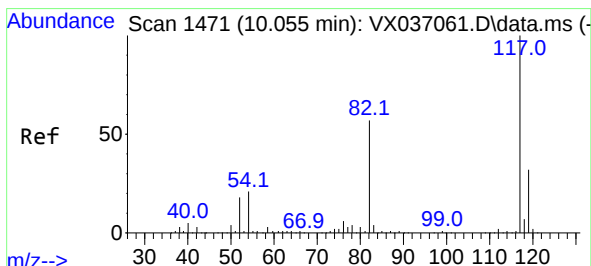
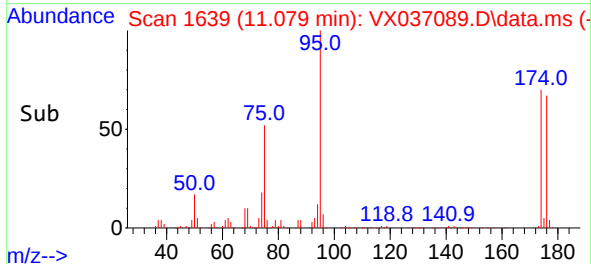
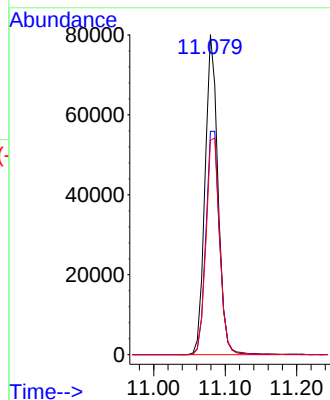
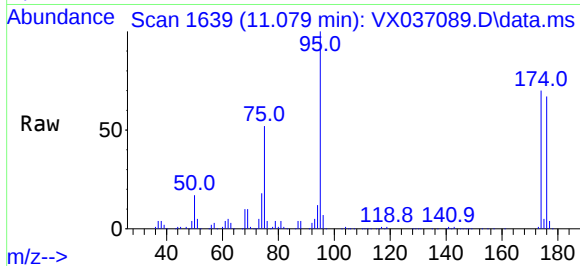




#62  
4-Bromofluorobenzene  
Concen: 51.943 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037089.D  
Acq: 18 Aug 2023 17:07

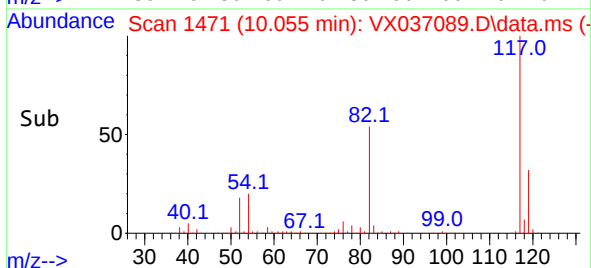
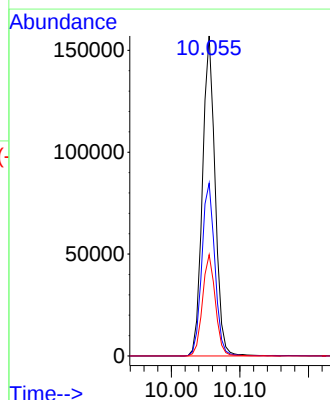
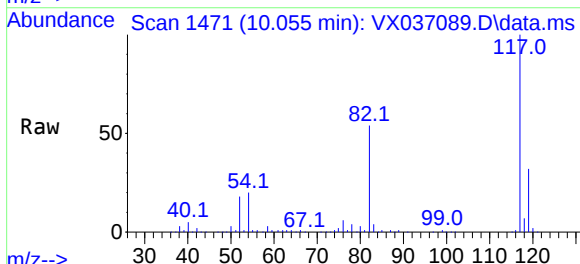
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D1-20230815DL

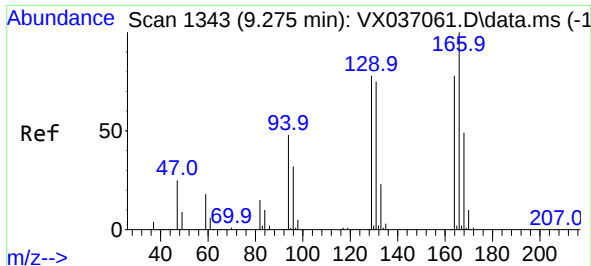
Tgt Ion: 95 Resp: 100742  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 135.6  
176 71.5 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037089.D  
Acq: 18 Aug 2023 17:07

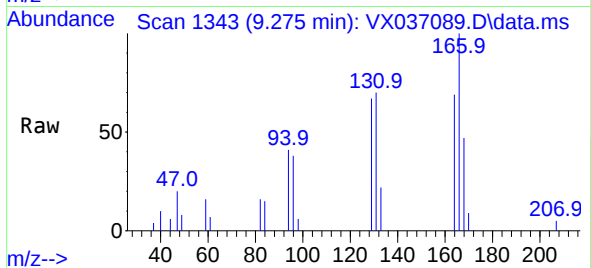
Tgt Ion: 117 Resp: 202247  
Ion Ratio Lower Upper  
117 100  
82 54.0 46.2 69.4  
119 31.6 25.5 38.3





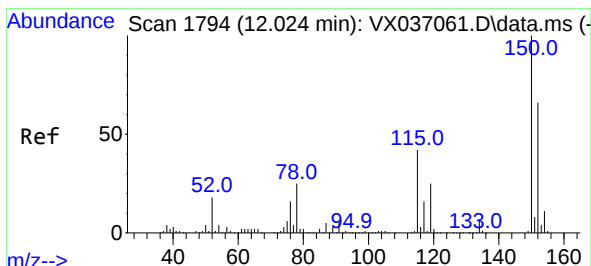
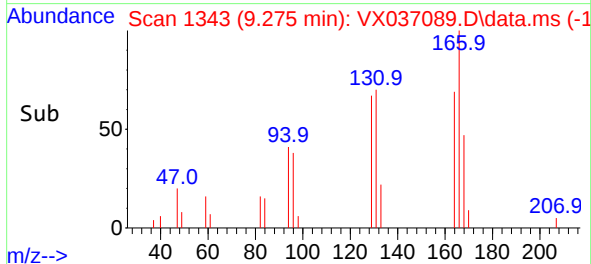
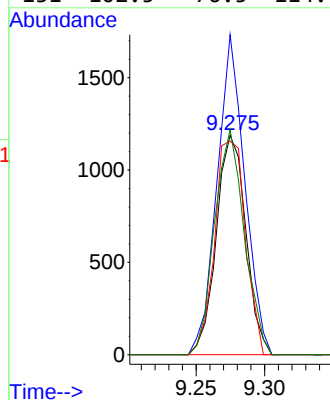
#64  
Tetrachloroethene  
Concen: 1.206 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX037089.D  
Acq: 18 Aug 2023 17:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D1-20230815DL



Tgt Ion:164 Resp: 1779

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 145.9 | 102.7 | 154.1 |
| 129 | 97.3  | 80.4  | 120.6 |
| 131 | 102.5 | 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: VX037089.D  
Acq: 18 Aug 2023 17:07

Tgt Ion:152 Resp: 92538

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.7  | 43.3  | 129.9 |
| 150 | 157.8 | 0.0   | 345.0 |

