

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052223\  
 Data File : VN077794.D  
 Acq On : 22 May 2023 17:05  
 Operator : JC\MD  
 Sample : 02880-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE105D1-20230518

Quant Time: May 23 04:20:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

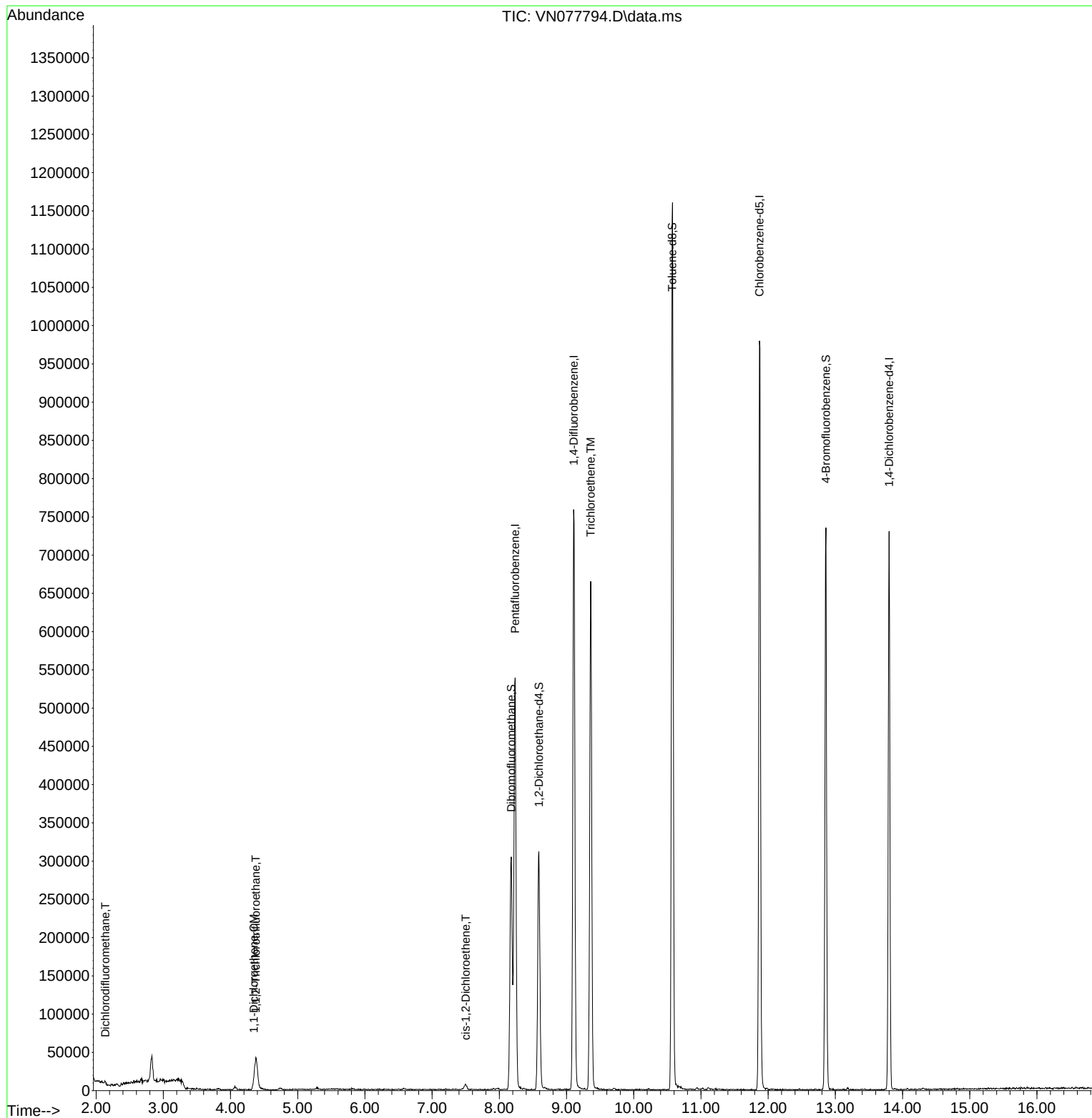
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.236  | 168   | 387831   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 685558   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 594532   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.800 | 152   | 196780   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588  | 65    | 257073   | 44.300   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 88.600%  |
| 35) Dibromofluoromethane     | 8.177  | 113   | 221870   | 49.630   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 99.260%  |
| 50) Toluene-d8               | 10.571 | 98    | 840536   | 48.848   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 97.700%  |
| 62) 4-Bromofluorobenzene     | 12.859 | 95    | 262277   | 43.158   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 86.320%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 3213     | 0.728    | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 27446    | 6.395    | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.348  | 96    | 4284     | 1.050    | ug/l # | 83       |
| 27) cis-1,2-Dichloroethene   | 7.500  | 96    | 4686     | 0.853    | ug/l   | 87       |
| 44) Trichloroethene          | 9.359  | 130   | 241760   | 49.482   | ug/l   | 99       |
| -----                        |        |       |          |          |        |          |

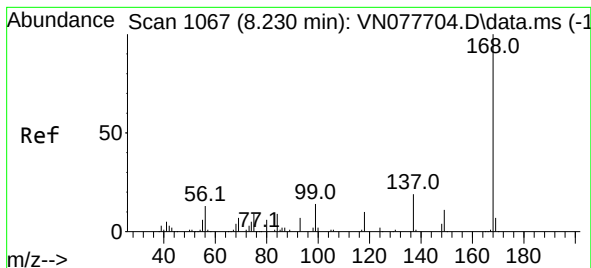
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052223\  
Data File : VN077794.D  
Acq On : 22 May 2023 17:05  
Operator : JC\MD  
Sample : 02880-09  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
RE105D1-20230518

Quant Time: May 23 04:20:40 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 04:07:42 2023  
Response via : Initial Calibration

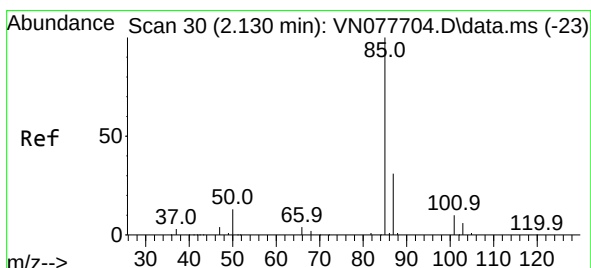
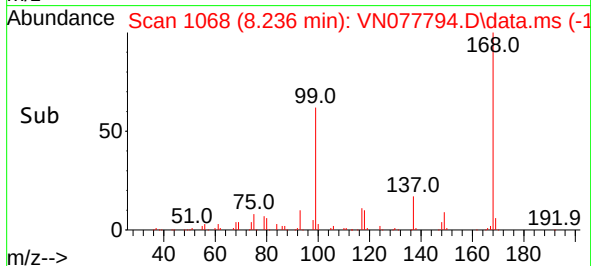
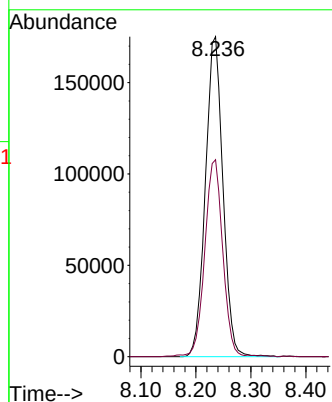
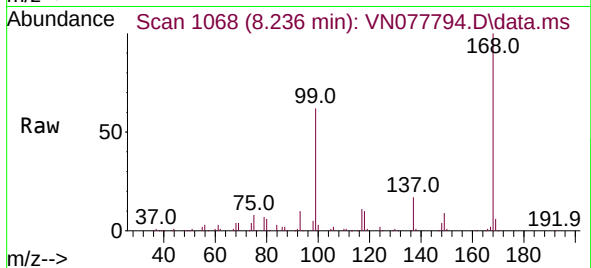




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN077794.D  
Acq: 22 May 2023 17:05

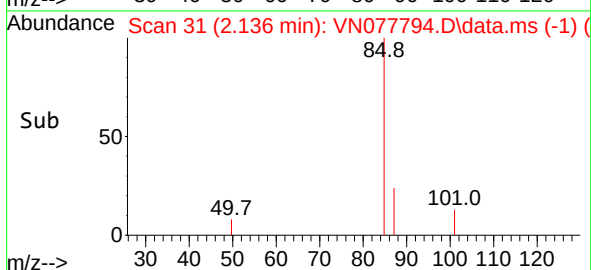
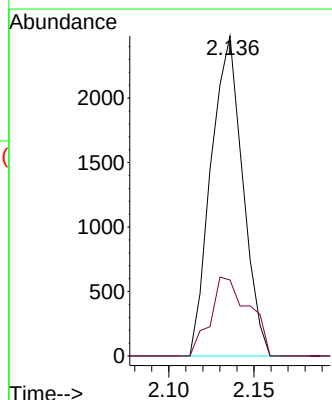
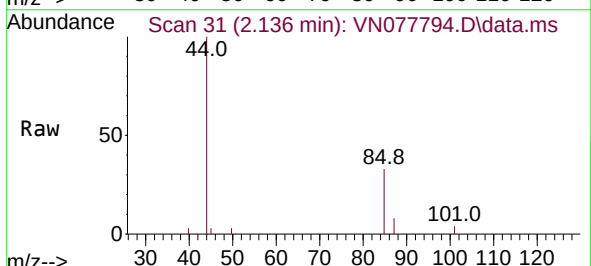
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE105D1-20230518

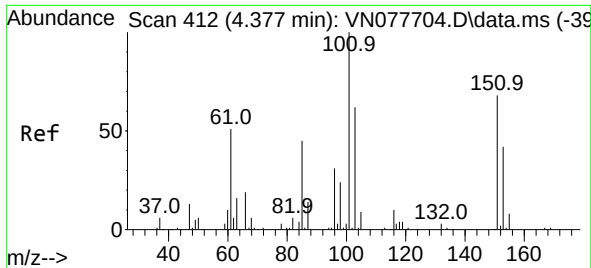
Tgt Ion:168 Resp: 387831  
Ion Ratio Lower Upper  
168 100  
99 61.4 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 0.728 ug/l  
RT: 2.136 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN077794.D  
Acq: 22 May 2023 17:05

Tgt Ion: 85 Resp: 3213  
Ion Ratio Lower Upper  
85 100  
87 23.8 15.8 47.4

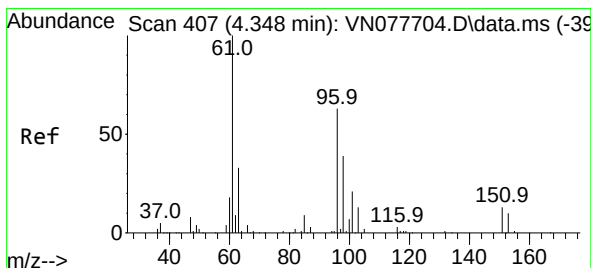
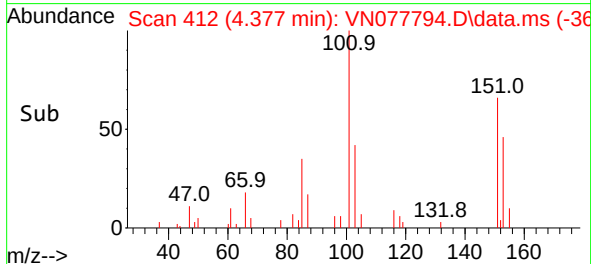
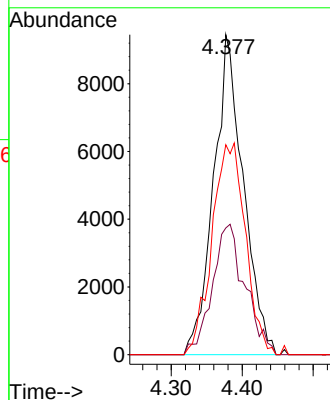
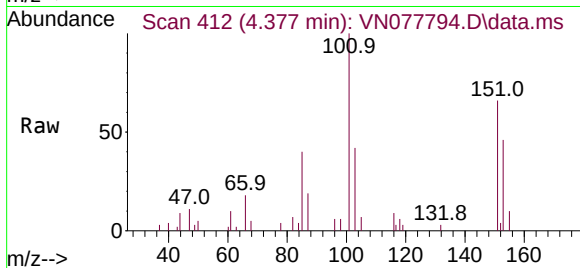




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 6.395 ug/l  
RT: 4.377 min Scan# 412  
Delta R.T. -0.000 min  
Lab File: VN077794.D  
Acq: 22 May 2023 17:05

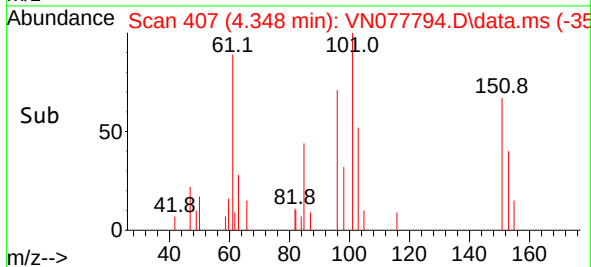
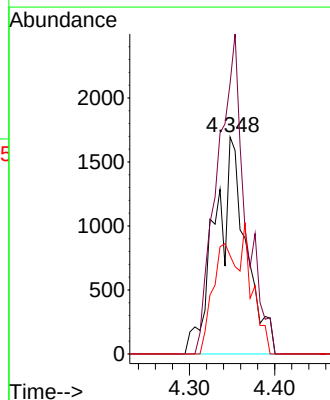
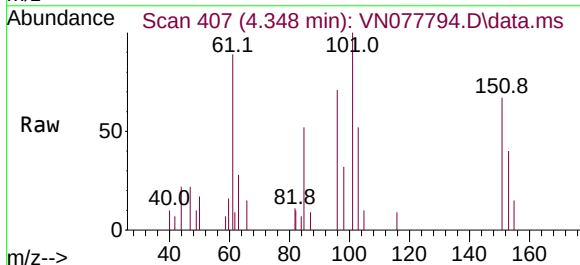
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE105D1-20230518

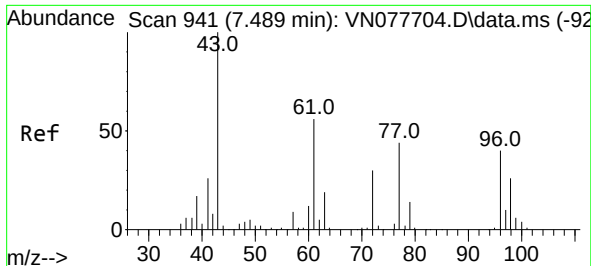
Tgt Ion:101 Resp: 27446  
Ion Ratio Lower Upper  
101 100  
85 44.8 36.6 55.0  
151 74.5 57.6 86.4



#12  
1,1-Dichloroethene  
Concen: 1.050 ug/l  
RT: 4.348 min Scan# 407  
Delta R.T. 0.001 min  
Lab File: VN077794.D  
Acq: 22 May 2023 17:05

Tgt Ion: 96 Resp: 4284  
Ion Ratio Lower Upper  
96 100  
61 124.8 112.7 169.1  
98 45.3 51.2 76.8#

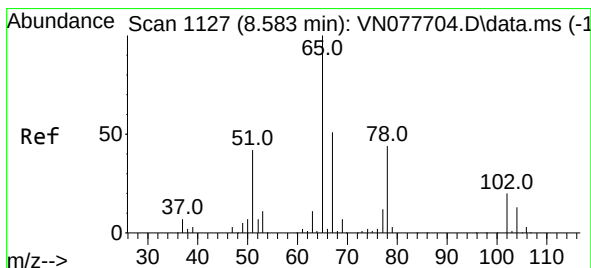
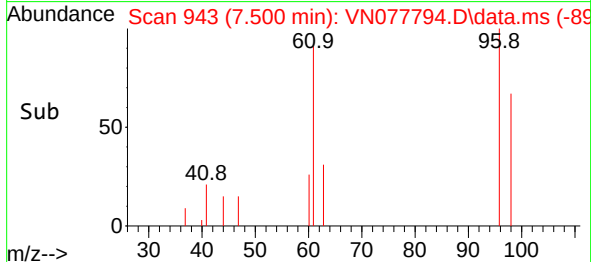
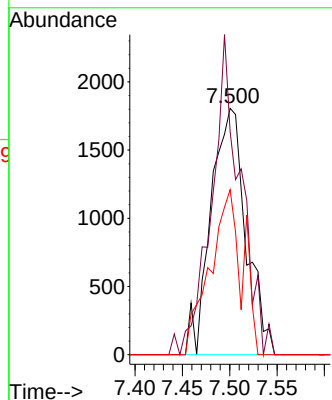
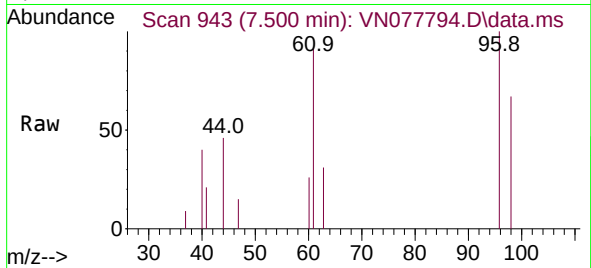




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.853 ug/l  
 RT: 7.500 min Scan# 941  
 Delta R.T. 0.012 min  
 Lab File: VN077794.D  
 Acq: 22 May 2023 17:05

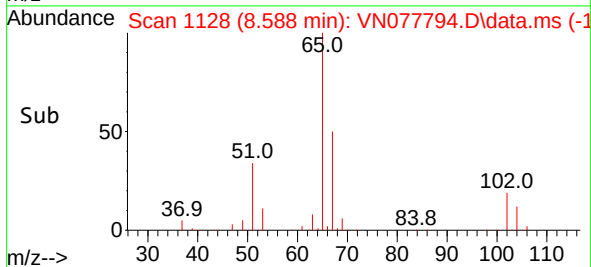
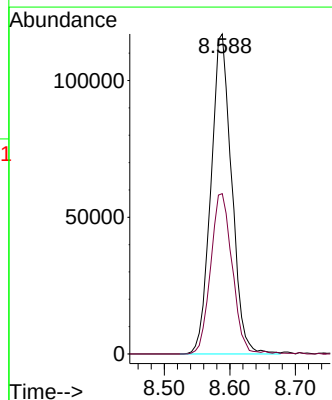
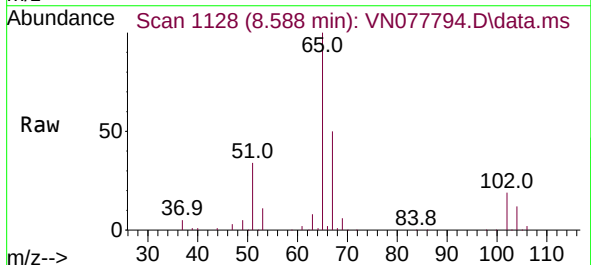
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE105D1-20230518

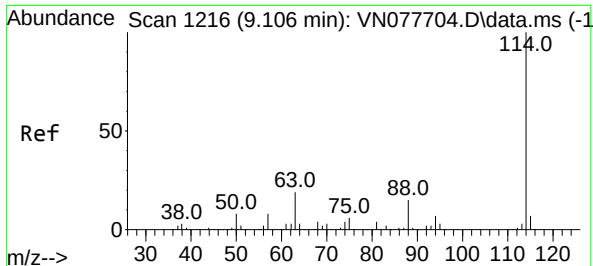
Tgt Ion: 96 Resp: 4686  
 Ion Ratio Lower Upper  
 96 100  
 61 107.0 0.0 255.2  
 98 61.6 0.0 128.8



#33  
 1,2-Dichloroethane-d4  
 Concen: 44.300 ug/l  
 RT: 8.588 min Scan# 1128  
 Delta R.T. 0.006 min  
 Lab File: VN077794.D  
 Acq: 22 May 2023 17:05

Tgt Ion: 65 Resp: 257073  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077794.D

Acq: 22 May 2023 17:05

Instrument :

MSVOA\_N

ClientSampleId :

RE105D1-20230518

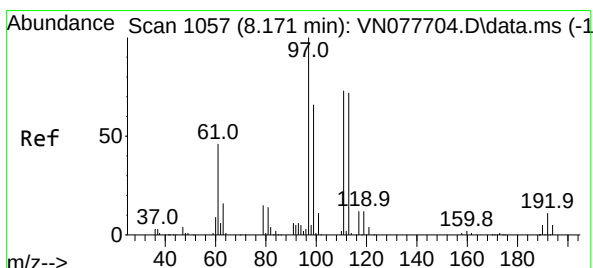
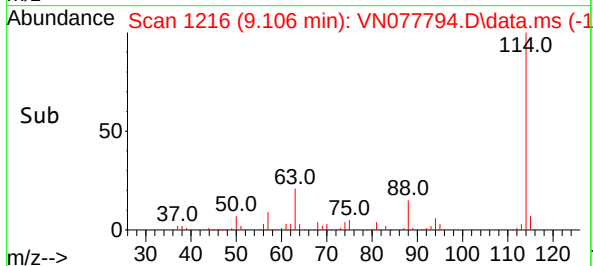
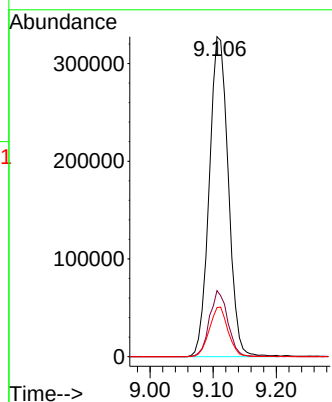
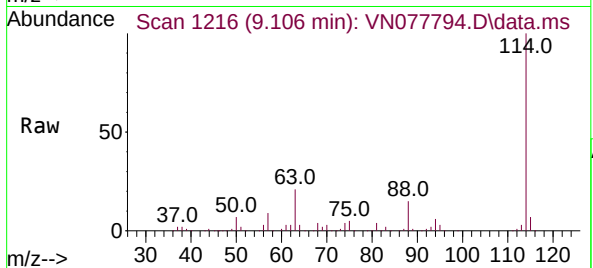
Tgt Ion:114 Resp: 685558

Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.630 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077794.D

Acq: 22 May 2023 17:05

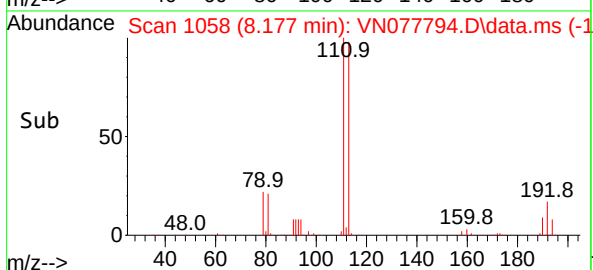
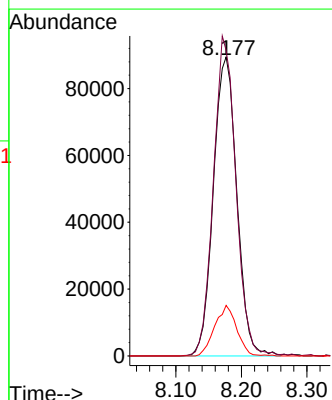
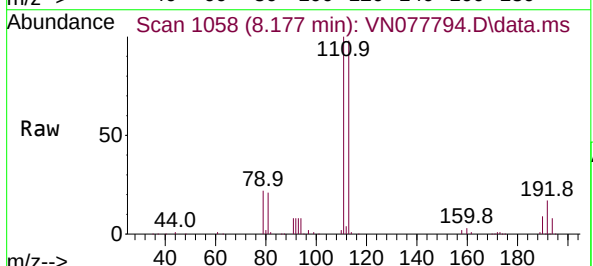
Tgt Ion:113 Resp: 221870

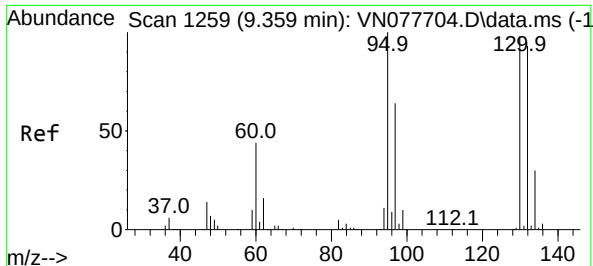
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 15.8 12.7 19.1

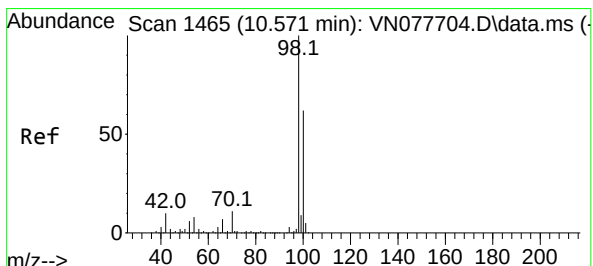
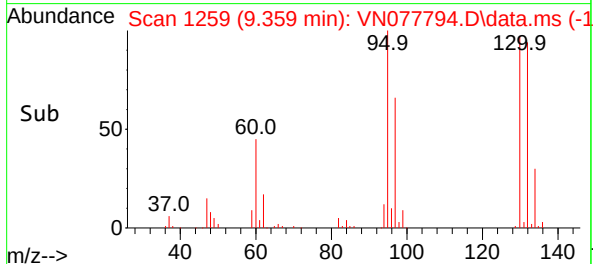
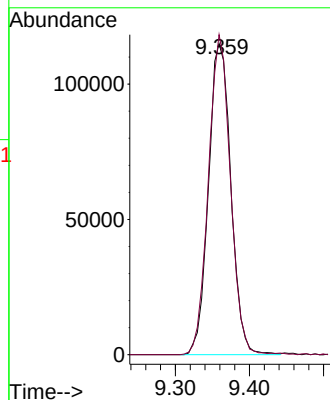
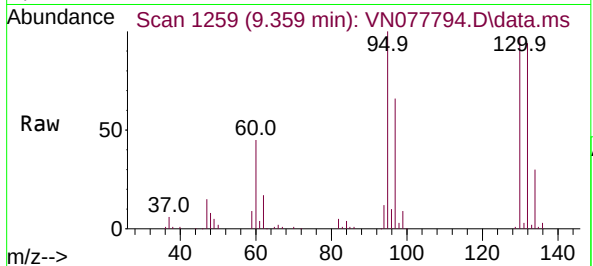




#44  
Trichloroethene  
Concen: 49.482 ug/l  
RT: 9.359 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077794.D  
Acq: 22 May 2023 17:05

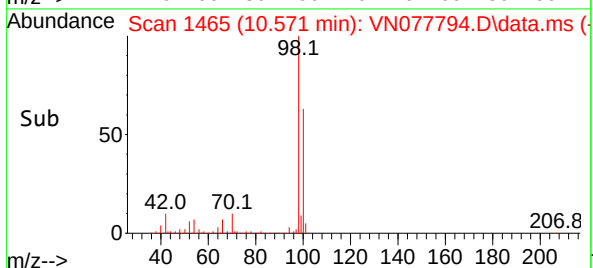
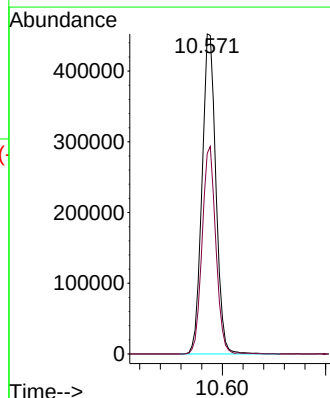
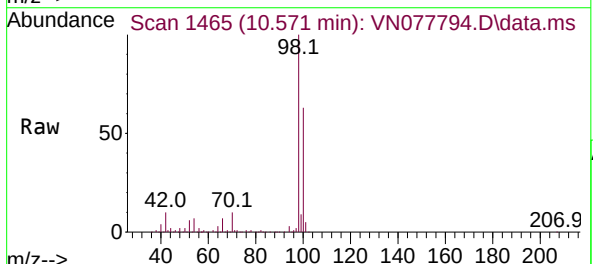
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE105D1-20230518

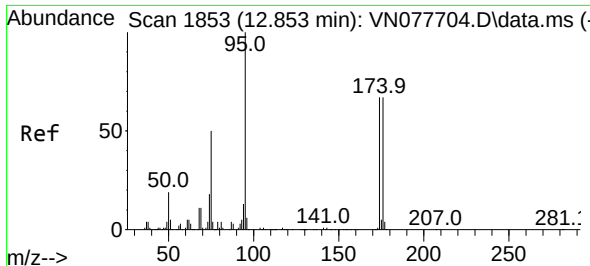
Tgt Ion:130 Resp: 241760  
Ion Ratio Lower Upper  
130 100  
95 102.9 0.0 204.6



#50  
Toluene-d8  
Concen: 48.848 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN077794.D  
Acq: 22 May 2023 17:05

Tgt Ion: 98 Resp: 840536  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0

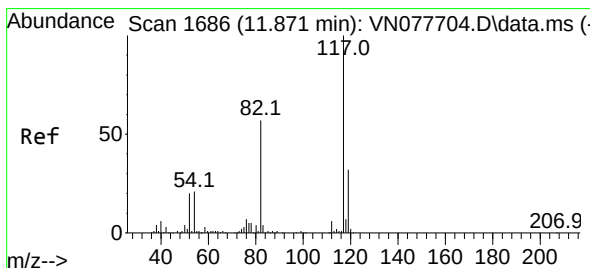
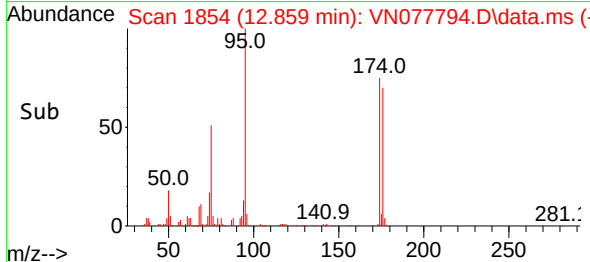
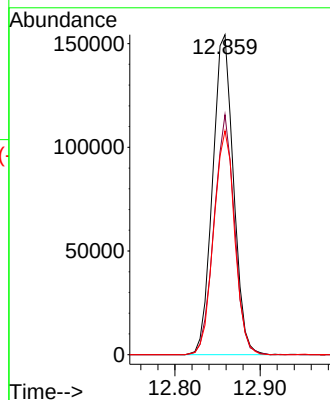
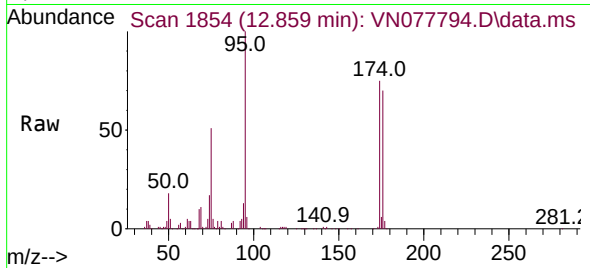




#62  
4-Bromofluorobenzene  
Concen: 43.158 ug/l  
RT: 12.859 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN077794.D  
Acq: 22 May 2023 17:05

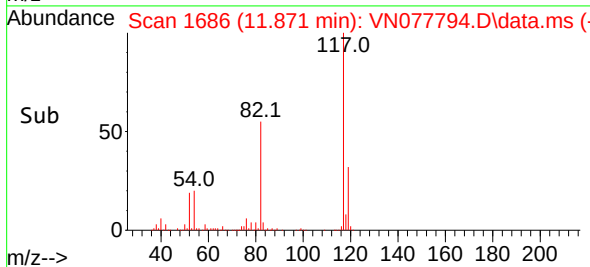
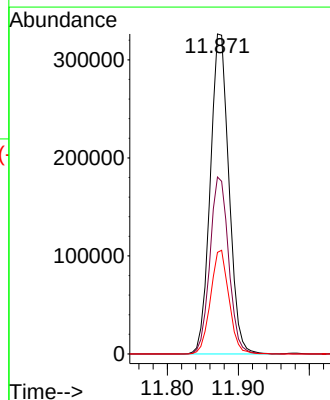
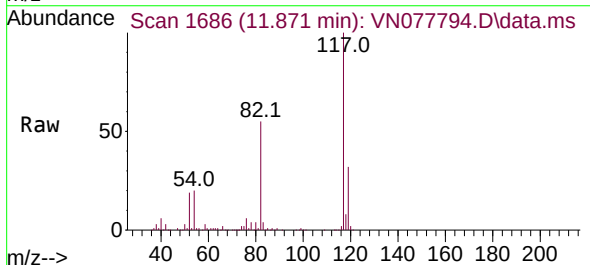
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE105D1-20230518

Tgt Ion: 95 Resp: 262277  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 143.8  
176 70.5 0.0 135.8

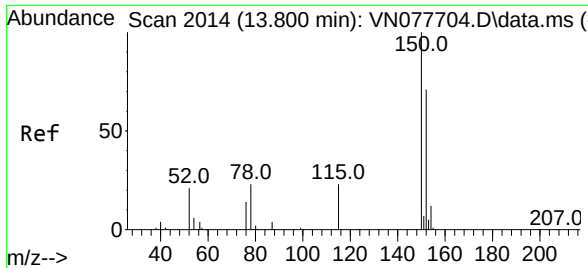


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.001 min  
Lab File: VN077794.D  
Acq: 22 May 2023 17:05

Tgt Ion: 117 Resp: 594532  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.0 66.0  
119 31.8 25.6 38.4

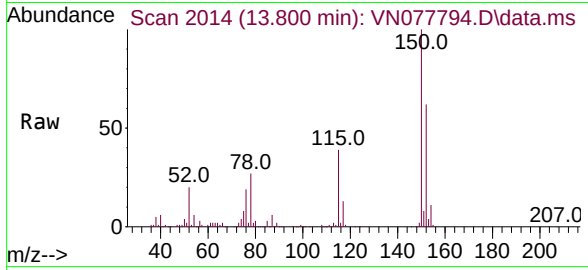






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.800 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN077794.D  
 Acq: 22 May 2023 17:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE105D1-20230518



Tgt Ion:152 Resp: 196780

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.8  | 32.3  | 96.8  |
| 150 | 157.4 | 0.0   | 355.8 |

