

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110223\  
 Data File : VN079807.D  
 Acq On : 02 Nov 2023 19:09  
 Operator : JC\MD  
 Sample : 05225-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 03 04:05:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 199928   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 405520   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 426591   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 167410   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 191221   | 62.778   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 125.560%# |
| 35) Dibromofluoromethane    | 8.171  | 113   | 156268   | 54.447   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 108.900%  |
| 50) Toluene-d8              | 10.571 | 98    | 534392   | 50.577   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.160%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 182043   | 51.950   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 103.900%  |

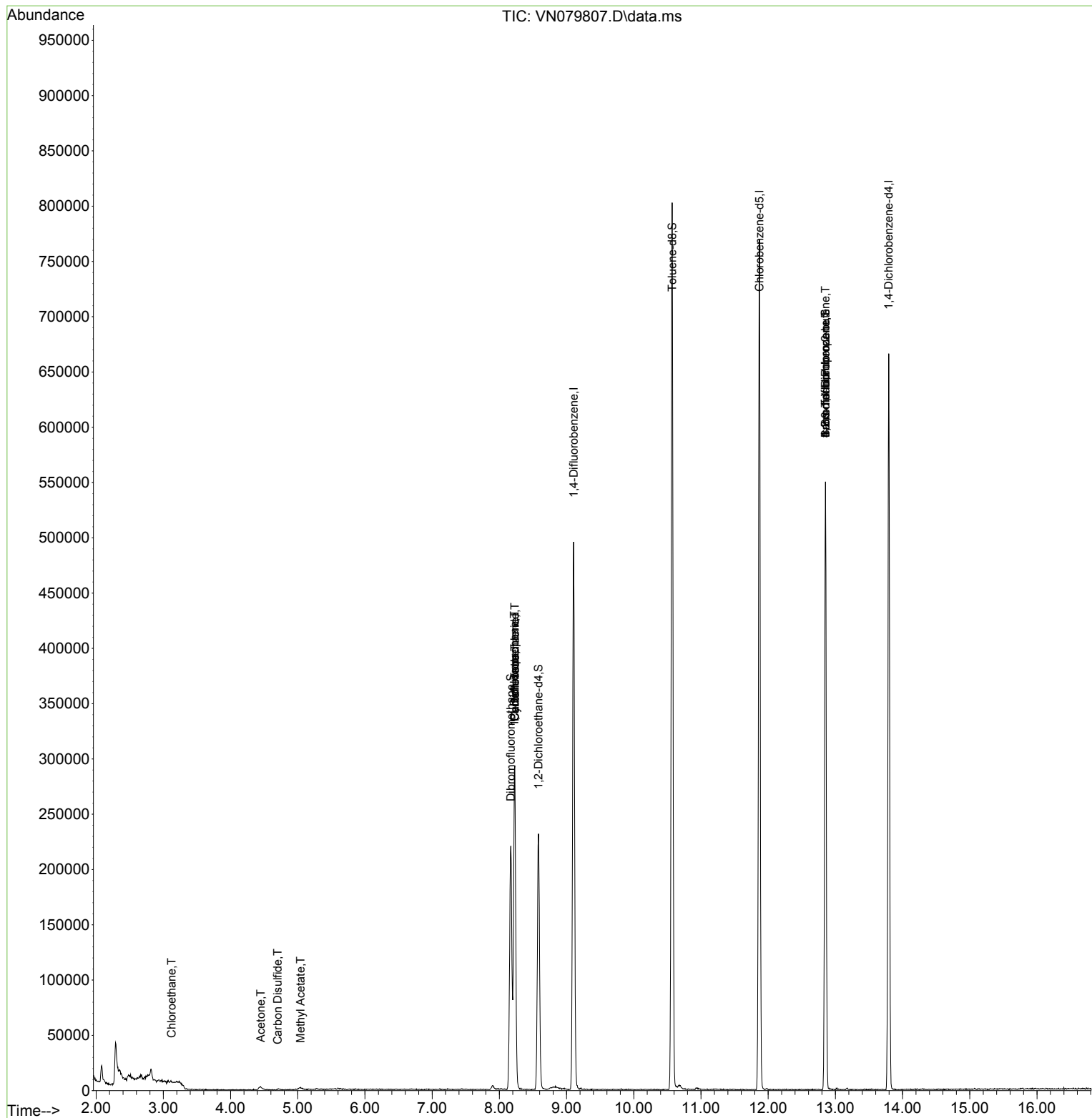
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 6) Chloroethane               | 3.124  | 64  | 1003  | 0.403  | ug/l # | 43 |
| 16) Acetone                   | 4.448  | 43  | 5839  | 5.457  | ug/l   | 90 |
| 17) Carbon Disulfide          | 4.700  | 76  | 1281  | 0.206  | ug/l # | 75 |
| 18) Methyl Acetate            | 5.042  | 43  | 3631  | 0.709  | ug/l # | 57 |
| 31) Cyclohexane               | 8.230  | 56  | 5469  | 1.359  | ug/l # | 8  |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 18502 | 4.515  | ug/l # | 47 |
| 38) Carbon Tetrachloride      | 8.230  | 117 | 22556 | 5.461  | ug/l # | 16 |
| 71) Bromoform                 | 12.853 | 173 | 1502  | 0.634  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75  | 98676 | 25.107 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75  | 98676 | 68.309 | ug/l # | 15 |

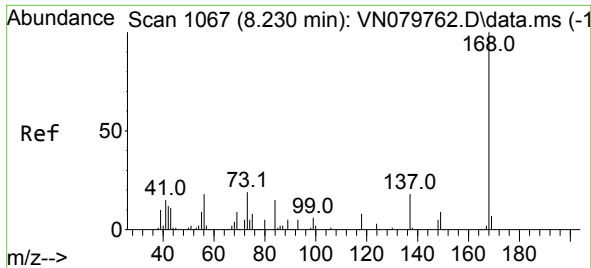
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 03 04:05:37 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:49:08 2023  
Response via : Initial Calibration

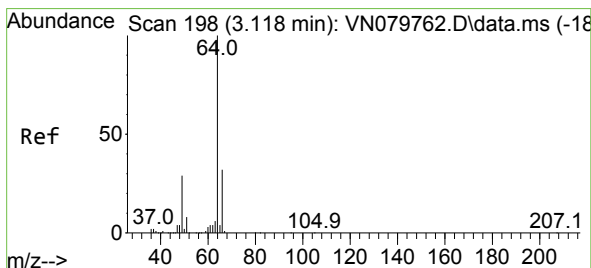
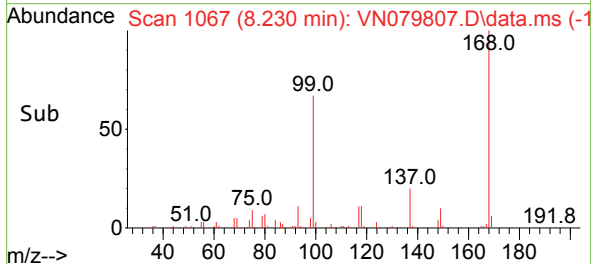
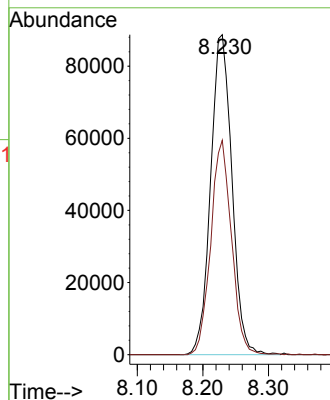
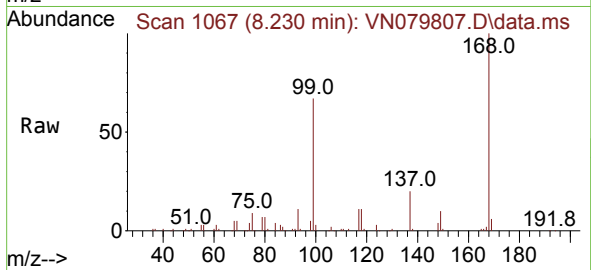




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.001 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

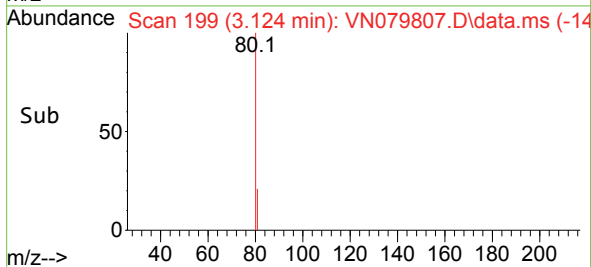
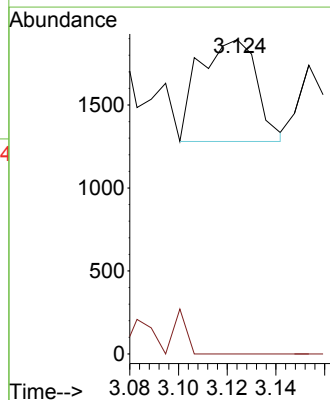
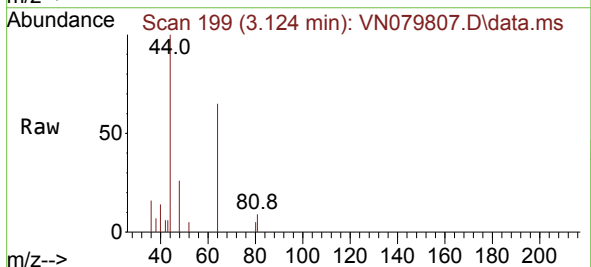
Instrument :  
MSVOA\_N  
ClientSampleId :

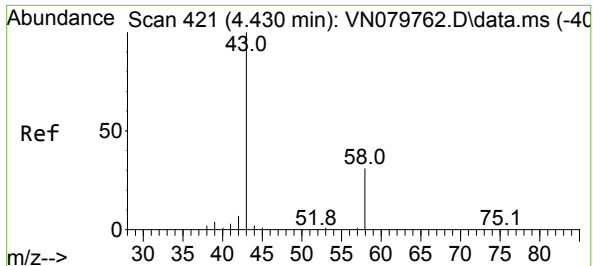
Tgt Ion:168 Resp: 199928  
Ion Ratio Lower Upper  
168 100  
99 67.0 53.0 79.6



#6  
Chloroethane  
Concen: 0.403 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

Tgt Ion: 64 Resp: 1003  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.2#

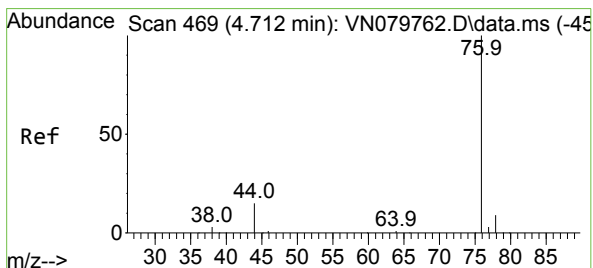
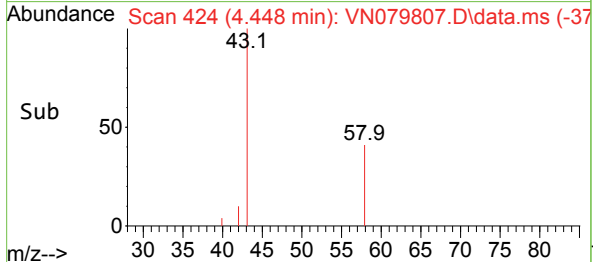
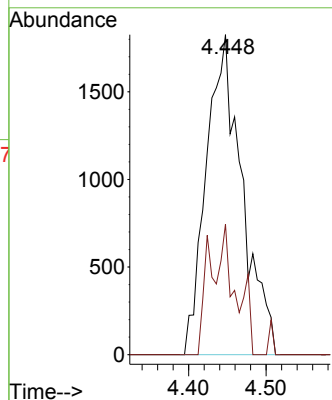
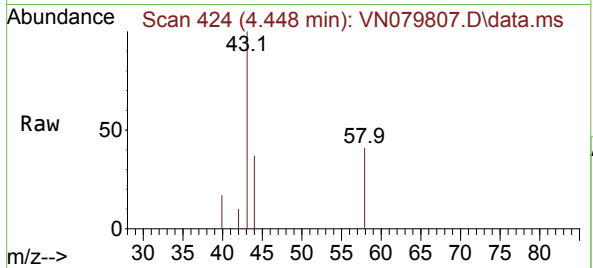




#16  
Acetone  
Concen: 5.457 ug/l  
RT: 4.448 min Scan# 41  
Delta R.T. 0.018 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

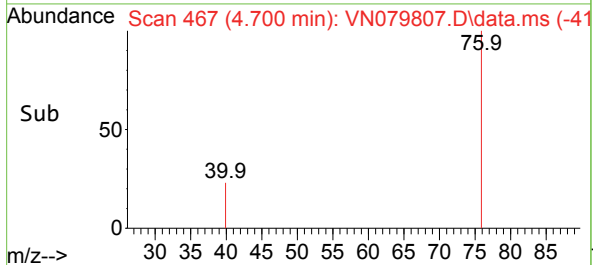
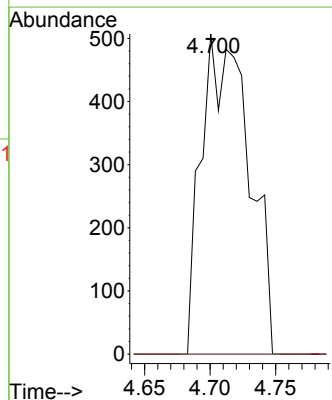
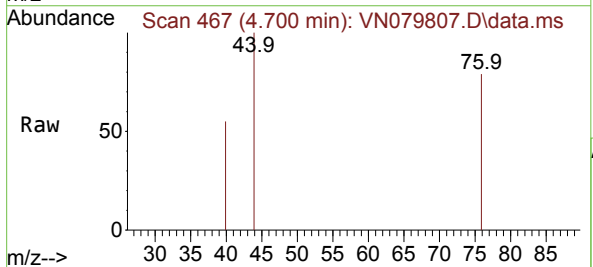
Instrument :  
MSVOA\_N  
ClientSampleId :

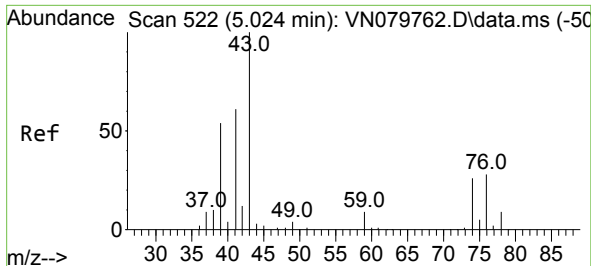
Tgt Ion: 43 Resp: 5839  
Ion Ratio Lower Upper  
43 100  
58 40.8 28.0 42.0



#17  
Carbon Disulfide  
Concen: 0.206 ug/l  
RT: 4.700 min Scan# 467  
Delta R.T. -0.012 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

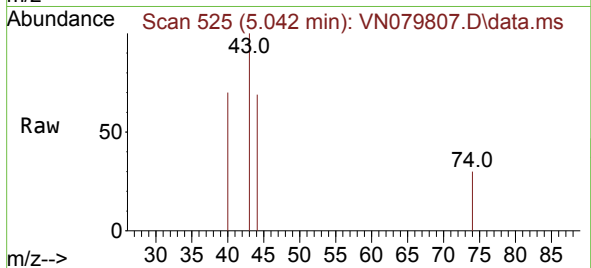
Tgt Ion: 76 Resp: 1281  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#



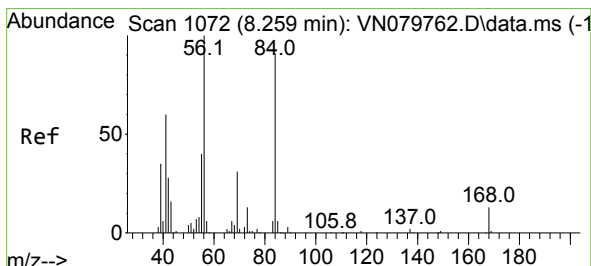
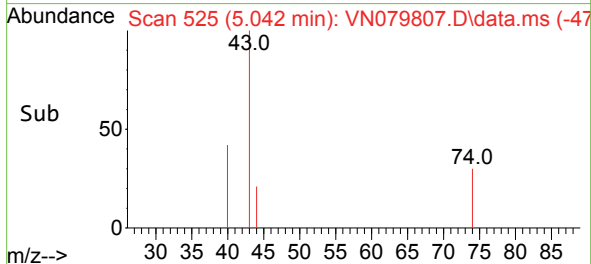
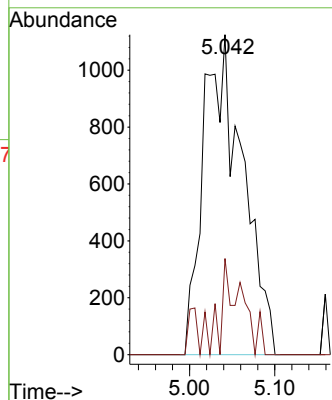


#18  
Methyl Acetate  
Concen: 0.709 ug/l  
RT: 5.042 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

Instrument :  
MSVOA\_N  
ClientSampleId :

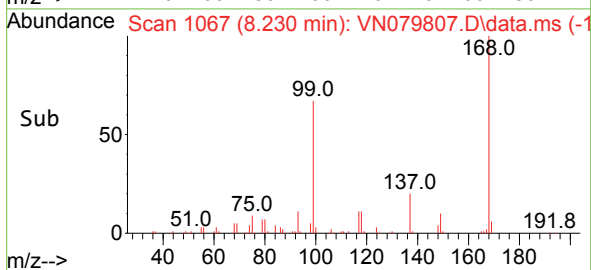
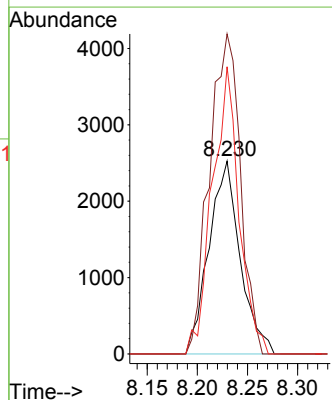
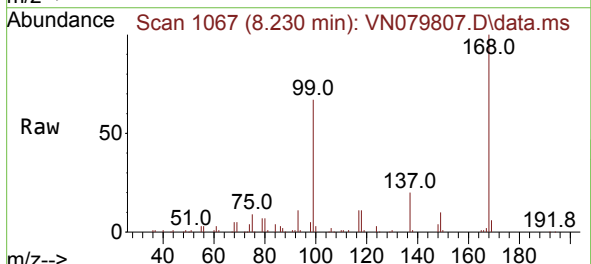


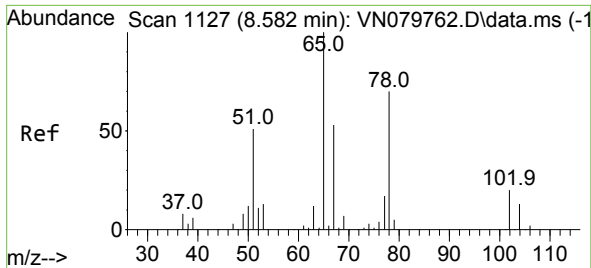
Tgt Ion: 43 Resp: 3631  
Ion Ratio Lower Upper  
43 100  
74 8.4 26.2 39.4#



#31  
Cyclohexane  
Concen: 1.359 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.029 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

Tgt Ion: 56 Resp: 5469  
Ion Ratio Lower Upper  
56 100  
69 165.9 26.8 40.2#  
84 149.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 62.778 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079807.D

Acq: 02 Nov 2023 19:09

Instrument :

MSVOA\_N

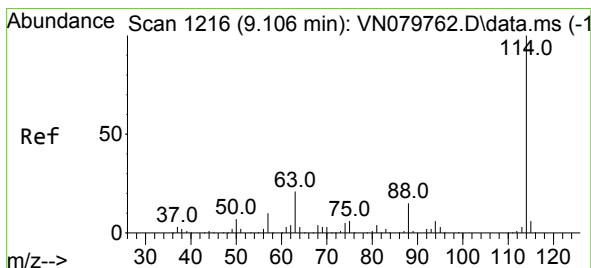
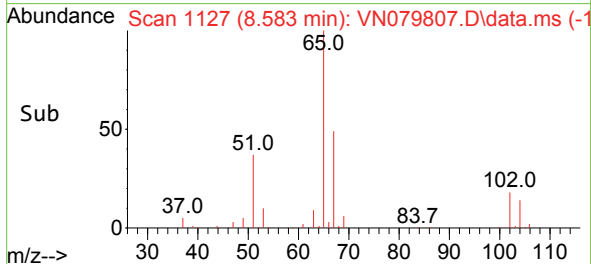
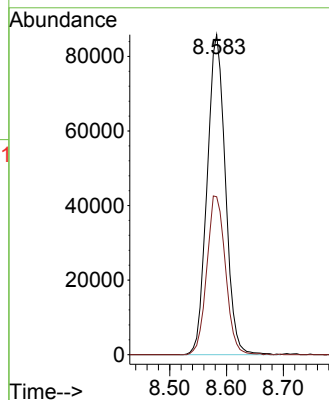
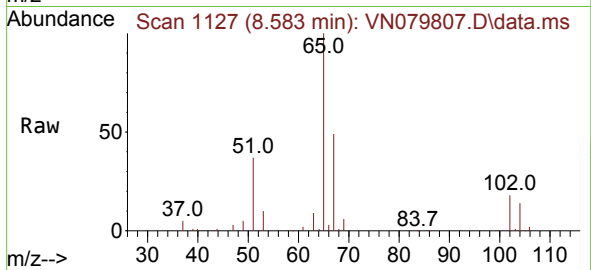
ClientSampleId :

Tgt Ion: 65 Resp: 191221

Ion Ratio Lower Upper

65 100

67 50.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079807.D

Acq: 02 Nov 2023 19:09

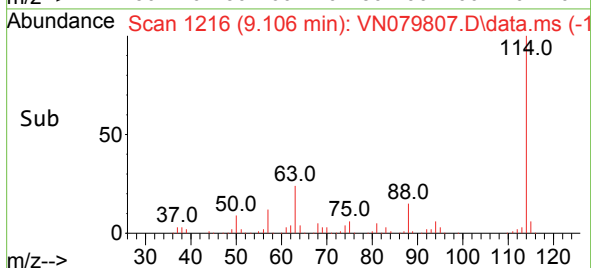
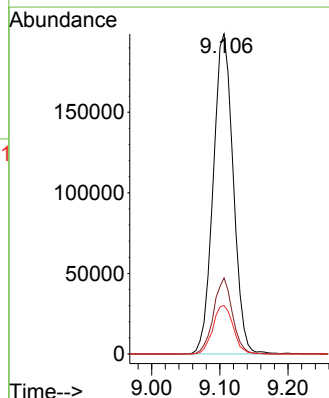
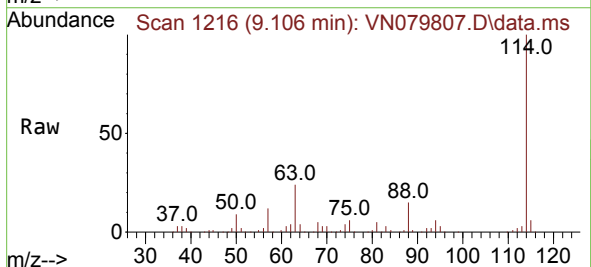
Tgt Ion: 114 Resp: 405520

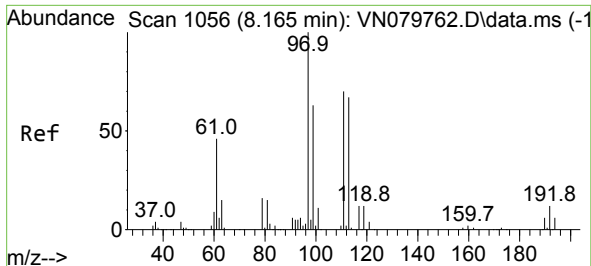
Ion Ratio Lower Upper

114 100

63 23.8 0.0 36.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.447 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079807.D

Acq: 02 Nov 2023 19:09

Instrument :

MSVOA\_N

ClientSampleId :

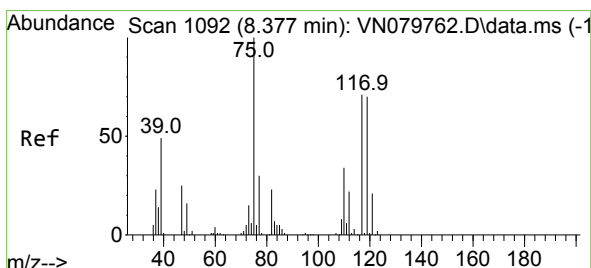
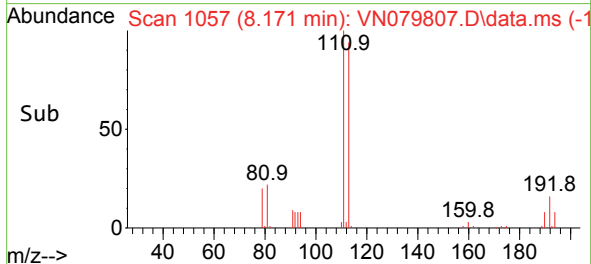
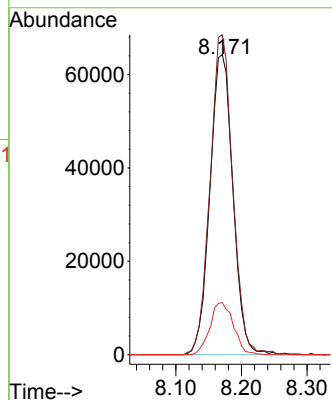
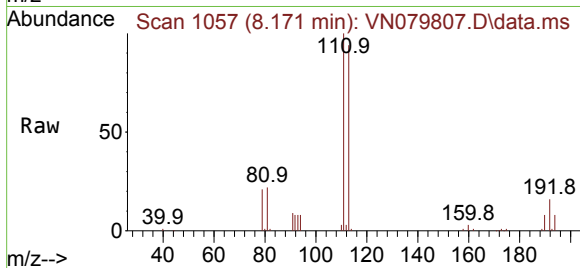
Tgt Ion:113 Resp: 156268

Ion Ratio Lower Upper

113 100

111 105.4 82.6 123.8

192 17.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.515 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079807.D

Acq: 02 Nov 2023 19:09

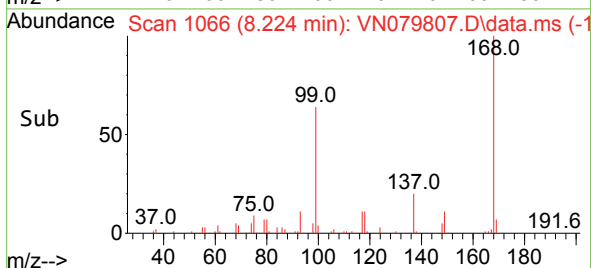
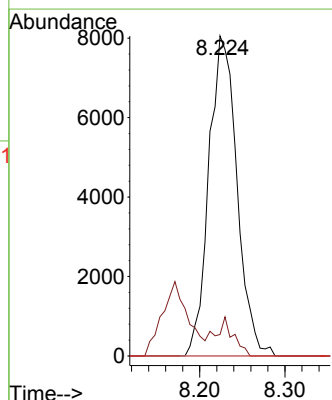
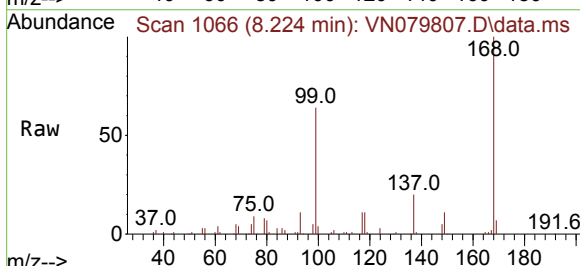
Tgt Ion: 75 Resp: 18502

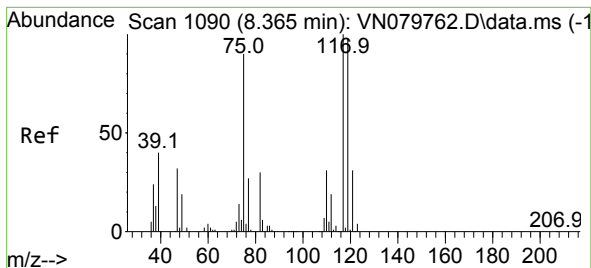
Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.461 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.129 min

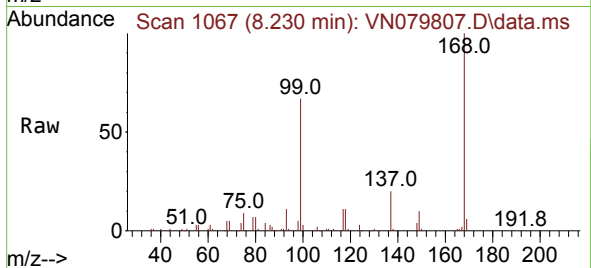
Lab File: VN079807.D

Acq: 02 Nov 2023 19:09

Instrument :

MSVOA\_N

ClientSampleId :



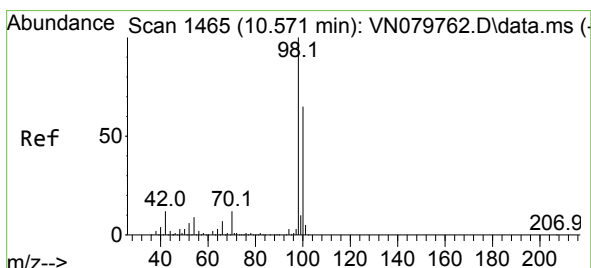
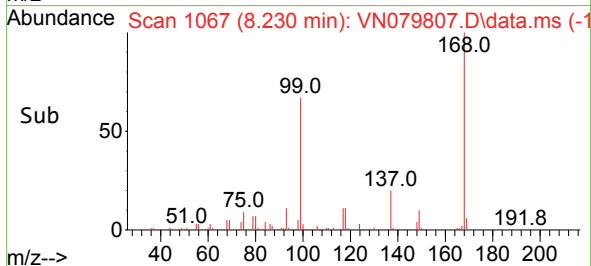
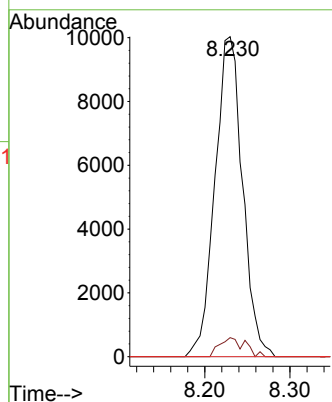
Tgt Ion:117 Resp: 22556

Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.577 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079807.D

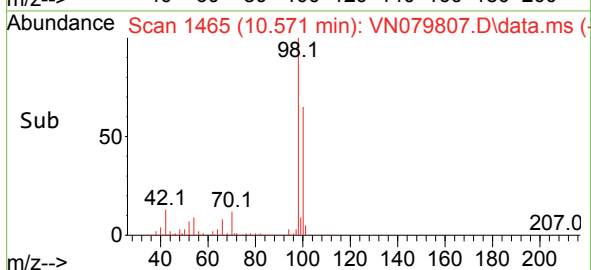
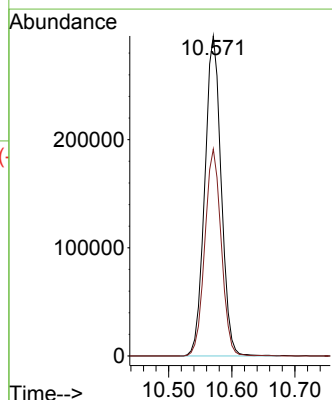
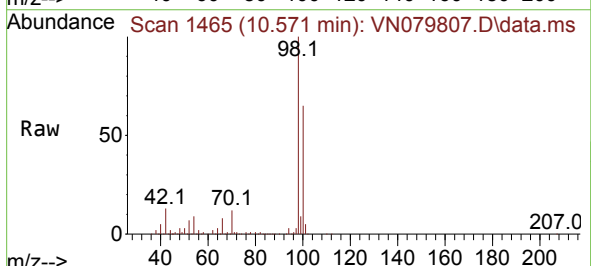
Acq: 02 Nov 2023 19:09

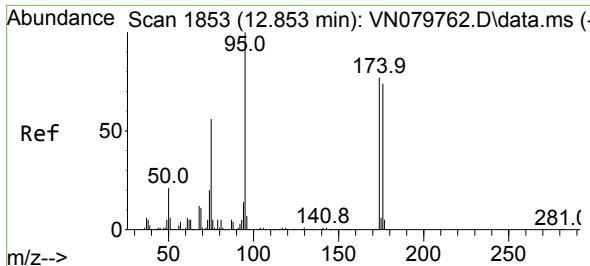
Tgt Ion: 98 Resp: 534392

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

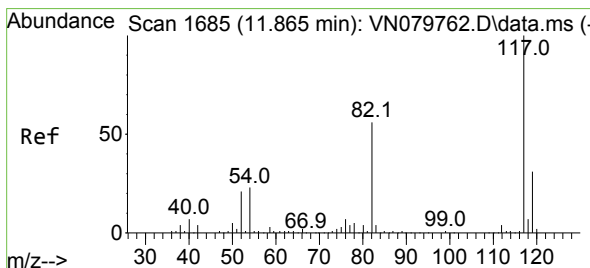
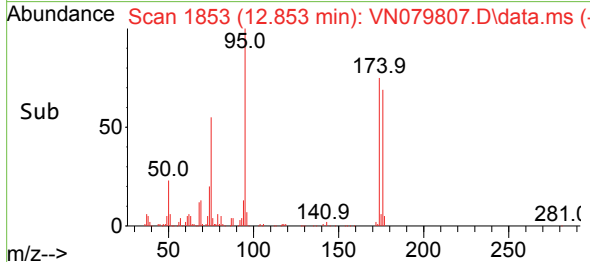
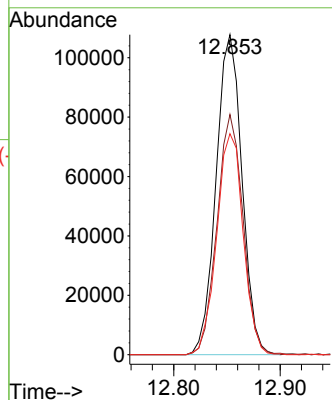
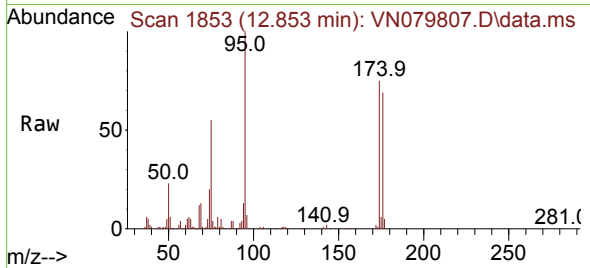




#62  
4-Bromofluorobenzene  
Concen: 51.950 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

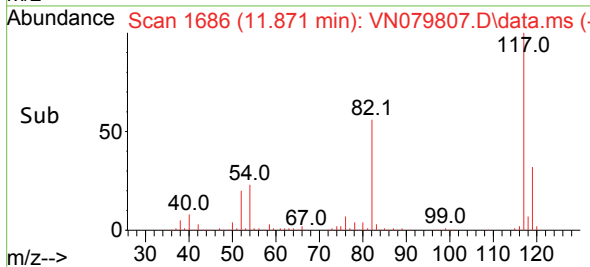
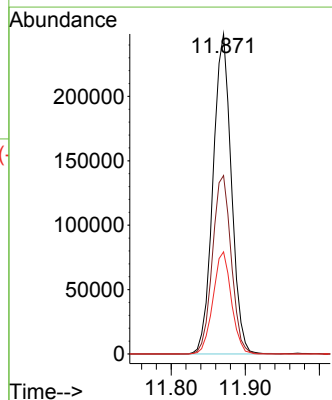
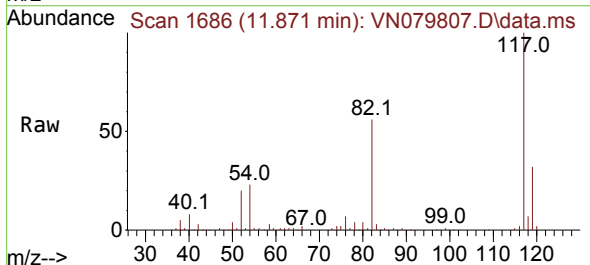
Instrument :  
MSVOA\_N  
ClientSampleId :

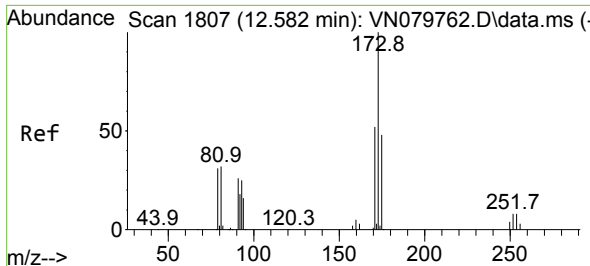
Tgt Ion: 95 Resp: 182043  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 143.8  
176 70.6 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

Tgt Ion: 117 Resp: 426591  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.0 66.0  
119 31.9 25.6 38.4

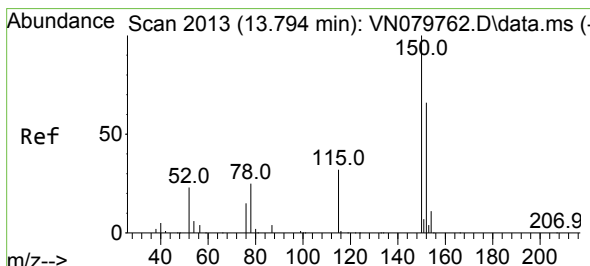
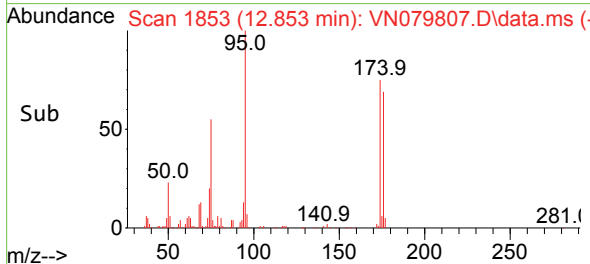
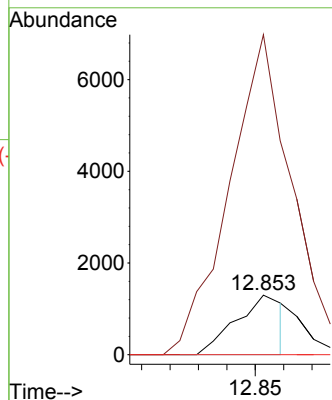
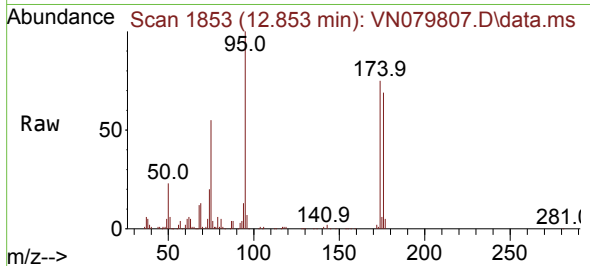




#71  
Bromoform  
Concen: 0.634 ug/l  
RT: 12.853 min Scan# 1807  
Delta R.T. 0.271 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

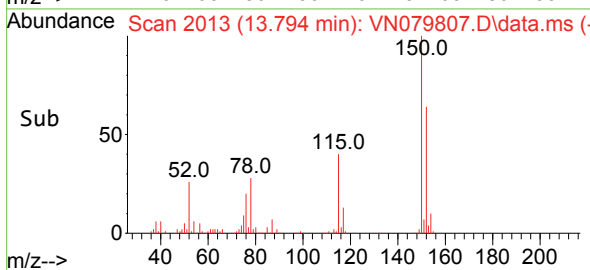
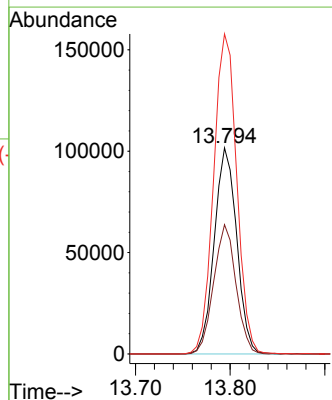
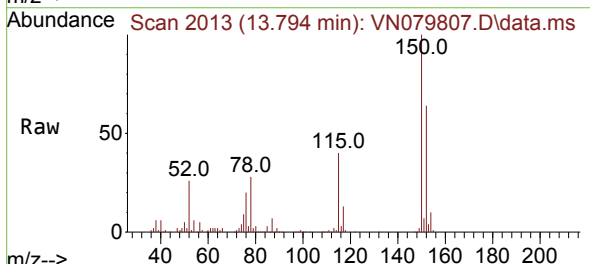
Instrument :  
MSVOA\_N  
ClientSampleId :

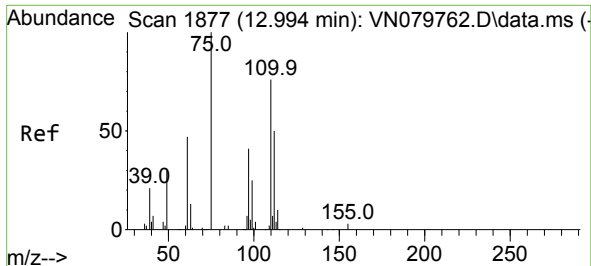
Tgt Ion:173 Resp: 1502  
Ion Ratio Lower Upper  
173 100  
175 573.6 24.3 73.0#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

Tgt Ion:152 Resp: 167410  
Ion Ratio Lower Upper  
152 100  
115 62.4 32.3 96.8  
150 159.9 0.0 355.8

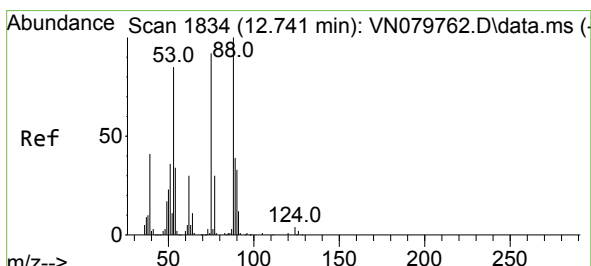
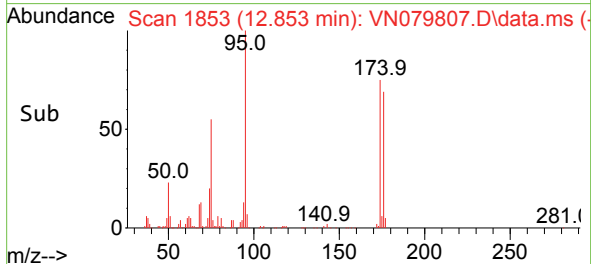
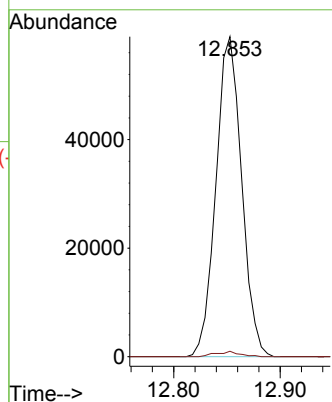
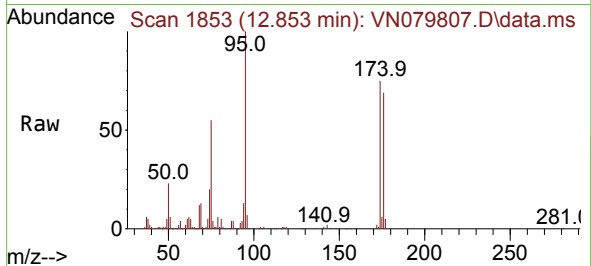




#76  
1,2,3-Trichloropropane  
Concen: 25.107 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 98676  
Ion Ratio Lower Upper  
75 100  
77 1.6 84.5 253.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.309 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.118 min  
Lab File: VN079807.D  
Acq: 02 Nov 2023 19:09

Tgt Ion: 75 Resp: 98676  
Ion Ratio Lower Upper  
75 100  
53 0.2 67.4 101.2#  
89 0.1 38.8 58.2#

