

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110323\  
 Data File : VN079876.D  
 Acq On : 04 Nov 2023 04:45  
 Operator : JC\MD  
 Sample : 05223-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 04 06:13:35 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

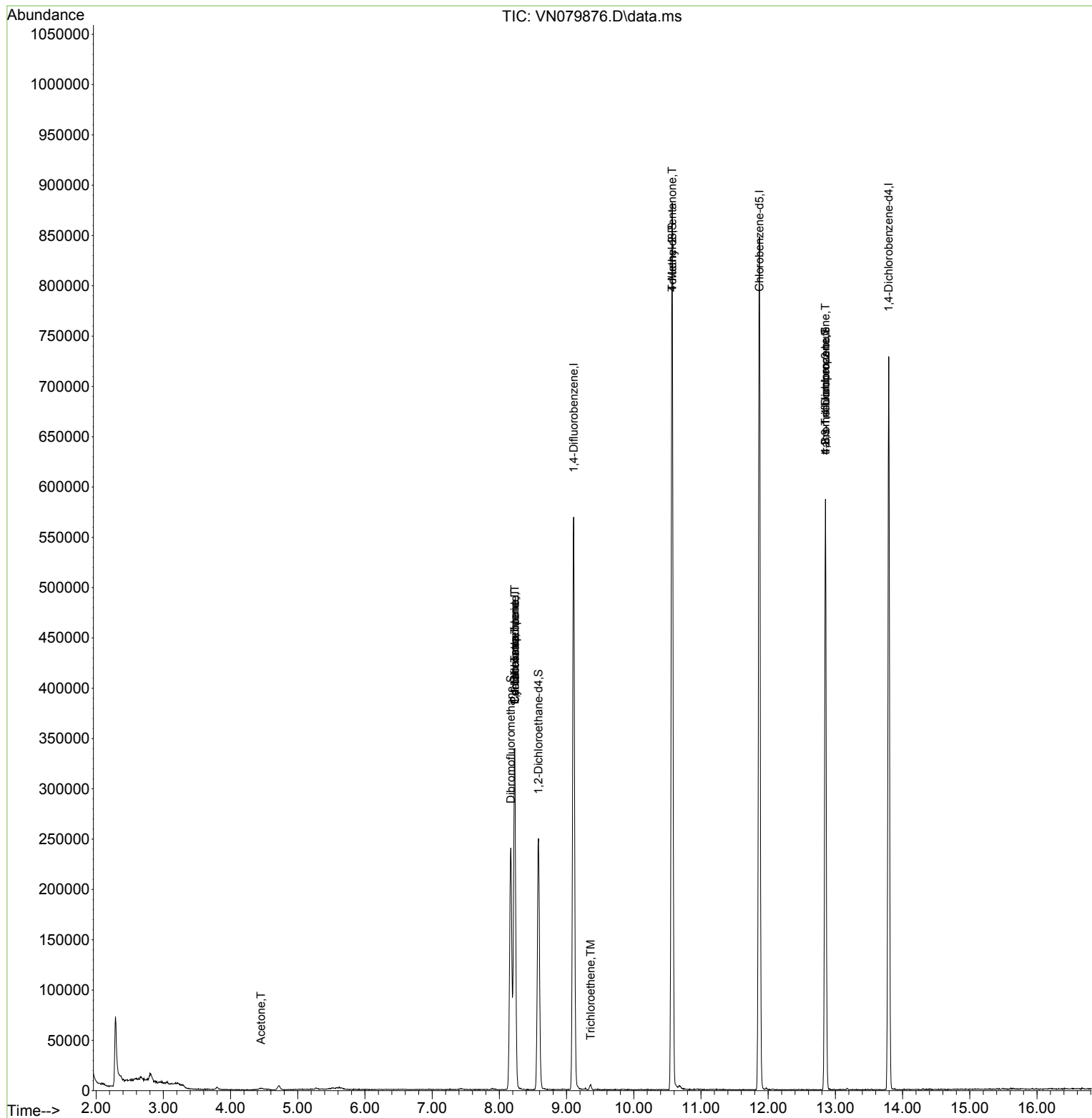
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.229     | 168   | 236411   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106     | 114   | 467150   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870    | 117   | 486493   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794    | 152   | 184951   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582     | 65    | 204670   | 56.824    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery  | =      | 113.640% |
| 35) Dibromofluoromethane      | 8.171     | 113   | 172489   | 52.170    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | =      | 104.340% |
| 50) Toluene-d8                | 10.570    | 98    | 581601   | 47.783    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery  | =      | 95.560%  |
| 62) 4-Bromofluorobenzene      | 12.853    | 95    | 191235   | 47.374    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | =      | 94.740%  |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           |        | Qvalue   |
| 3) Chloromethane              | 2.359     | 50    | 1493     | Below Cal | #      | 77       |
| 16) Acetone                   | 4.453     | 43    | 2951     | 2.332     | ug/l # | 72       |
| 31) Cyclohexane               | 8.229     | 56    | 5745     | 1.207     | ug/l # | 38       |
| 36) 1,1-Dichloropropene       | 8.229     | 75    | 21491    | 4.552     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.229     | 117   | 26862    | 5.646     | ug/l # | 16       |
| 44) Trichloroethene           | 9.359     | 130   | 1663     | 0.474     | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.570    | 43    | 2826     | 0.661     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853    | 75    | 105951   | 24.401    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853    | 75    | 105951   | 66.389    | ug/l # | 15       |
| -----                         |           |       |          |           |        |          |

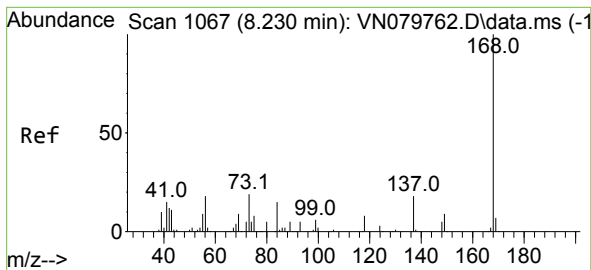
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.229 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VN079876.D

Acq: 04 Nov 2023 04:45

Instrument :

MSVOA\_N

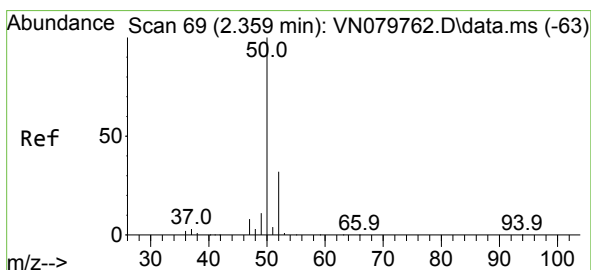
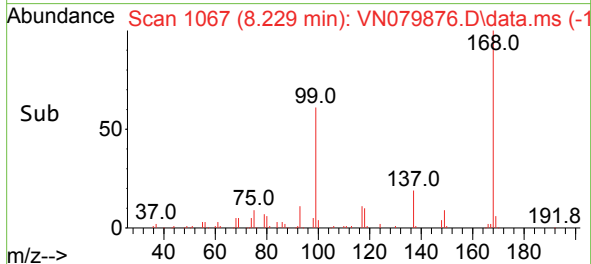
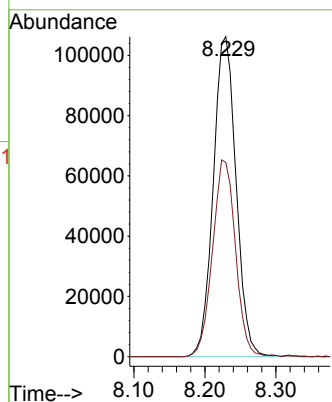
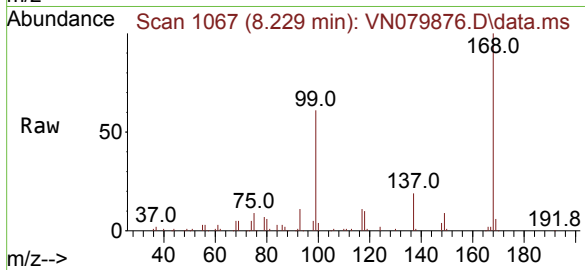
ClientSampleId :

Tgt Ion:168 Resp: 236411

Ion Ratio Lower Upper

168 100

99 60.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079876.D

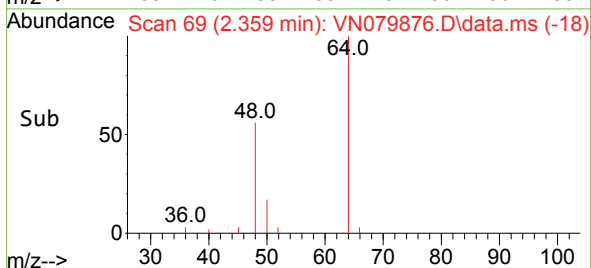
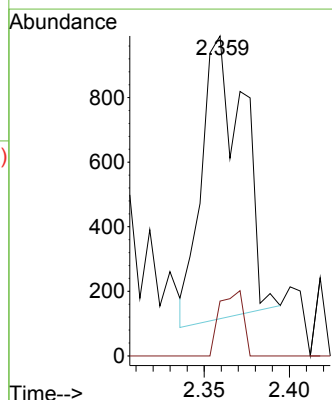
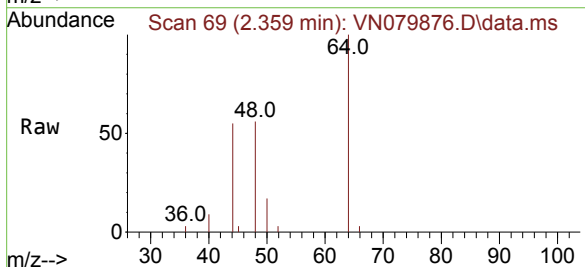
Acq: 04 Nov 2023 04:45

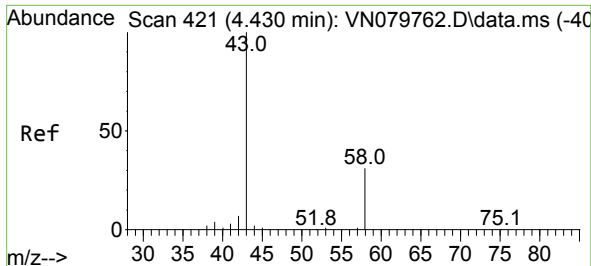
Tgt Ion: 50 Resp: 1493

Ion Ratio Lower Upper

50 100

52 20.4 26.5 39.7#

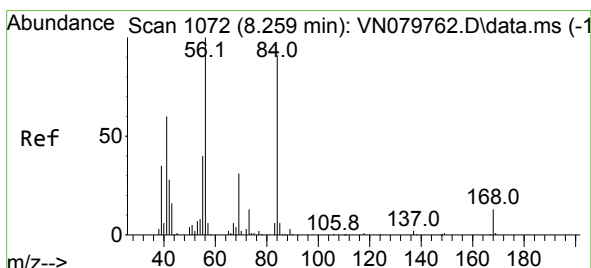
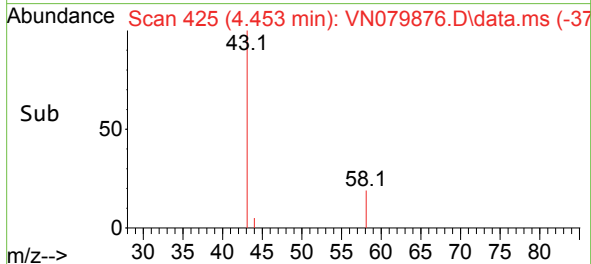
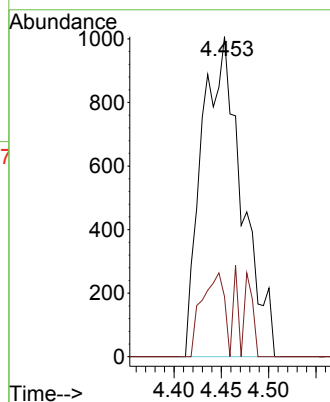
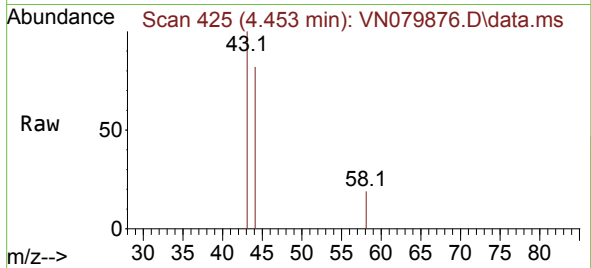




#16  
Acetone  
Concen: 2.332 ug/l  
RT: 4.453 min Scan# 41  
Delta R.T. 0.024 min  
Lab File: VN079876.D  
Acq: 04 Nov 2023 04:45

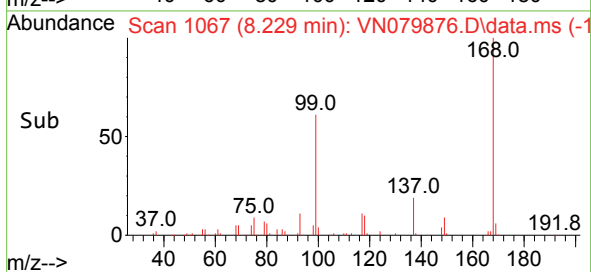
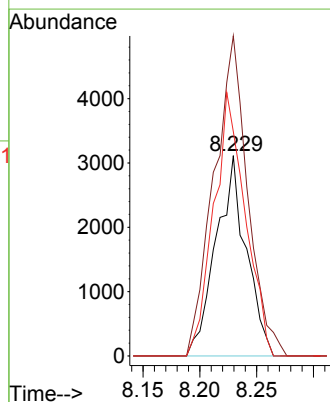
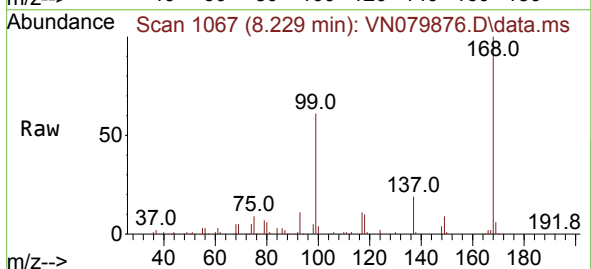
Instrument :  
MSVOA\_N  
ClientSampleId :

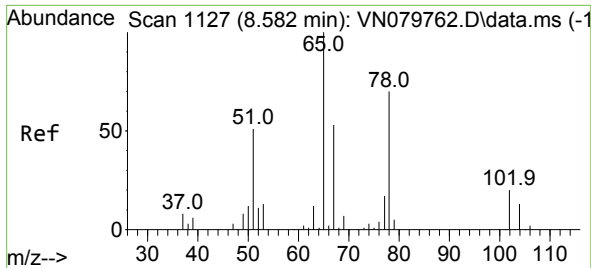
Tgt Ion: 43 Resp: 2951  
Ion Ratio Lower Upper  
43 100  
58 18.8 28.0 42.0#



#31  
Cyclohexane  
Concen: 1.207 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.029 min  
Lab File: VN079876.D  
Acq: 04 Nov 2023 04:45

Tgt Ion: 56 Resp: 5745  
Ion Ratio Lower Upper  
56 100  
69 159.7 26.8 40.2#  
84 111.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 56.824 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079876.D

Acq: 04 Nov 2023 04:45

Instrument :

MSVOA\_N

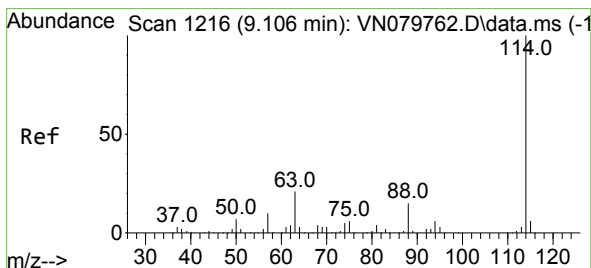
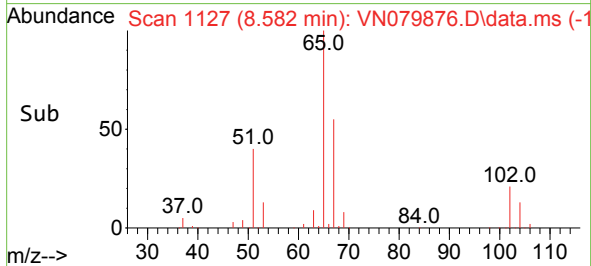
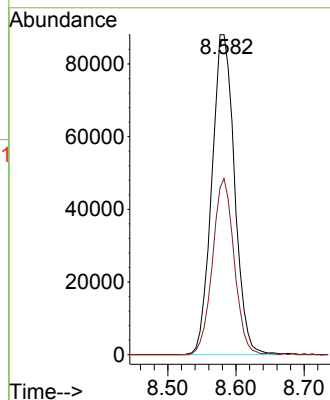
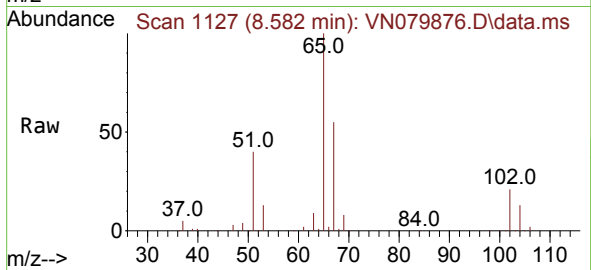
ClientSampleId :

Tgt Ion: 65 Resp: 204670

Ion Ratio Lower Upper

65 100

67 52.4 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: VN079876.D

Acq: 04 Nov 2023 04:45

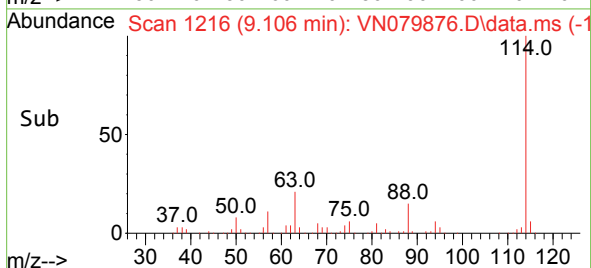
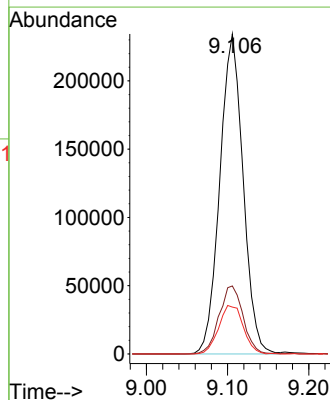
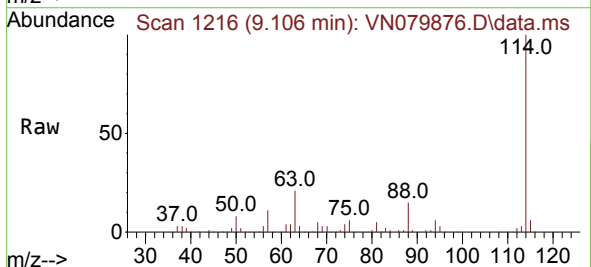
Tgt Ion: 114 Resp: 467150

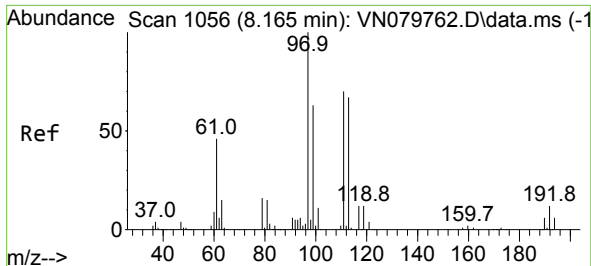
Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

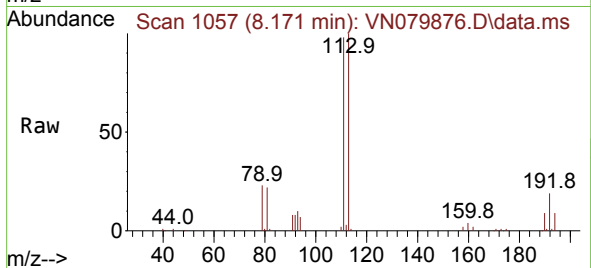
88 14.6 0.0 30.6



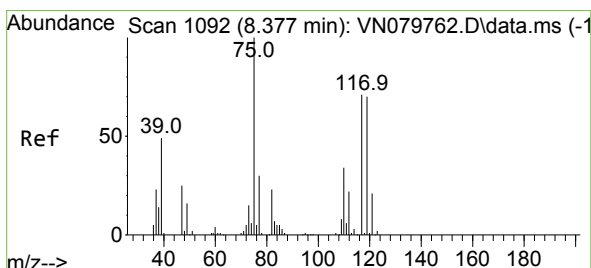
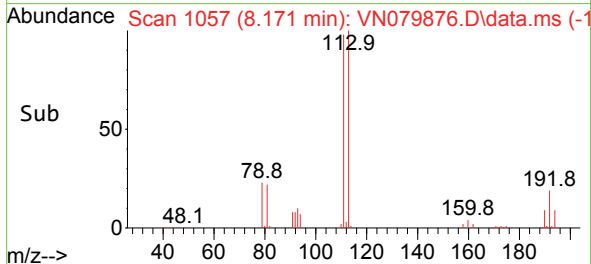
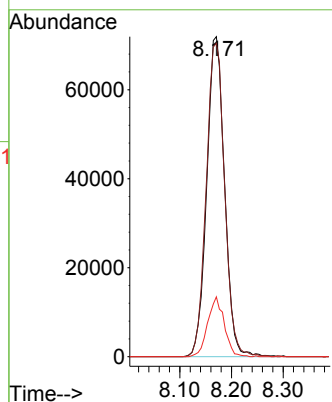


#35  
Dibromofluoromethane  
Concen: 52.170 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN079876.D  
Acq: 04 Nov 2023 04:45

Instrument :  
MSVOA\_N  
ClientSampleId :

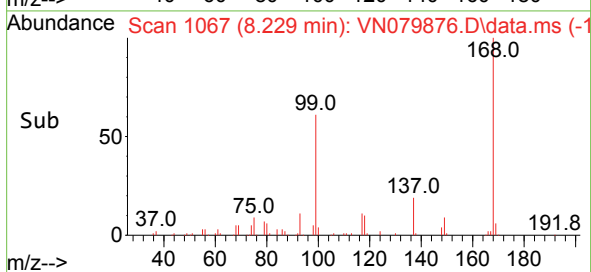
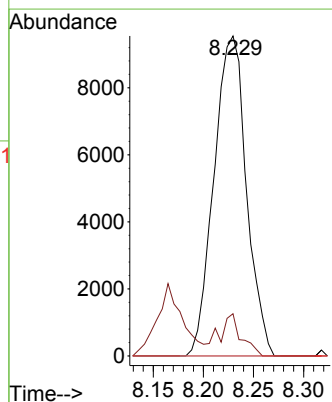
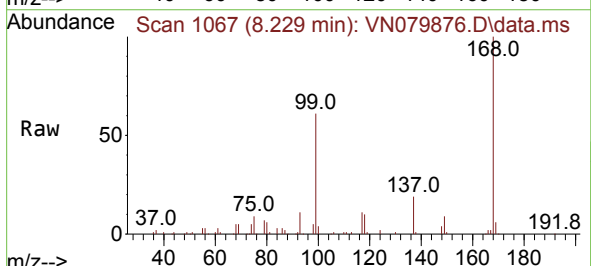


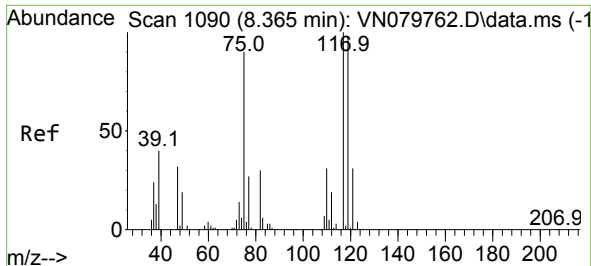
Tgt Ion:113 Resp: 172489  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.6 123.8  
192 17.3 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 4.552 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.147 min  
Lab File: VN079876.D  
Acq: 04 Nov 2023 04:45

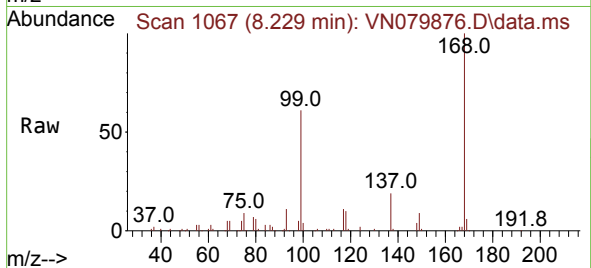
Tgt Ion: 75 Resp: 21491  
Ion Ratio Lower Upper  
75 100  
110 9.1 19.1 57.3#  
77 0.0 25.0 37.4#



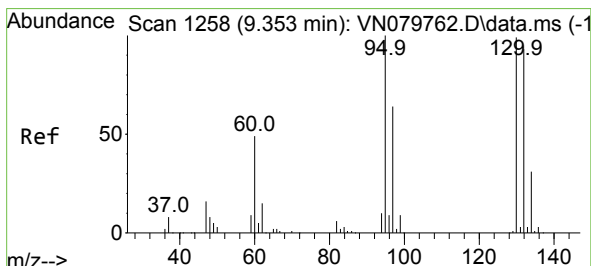
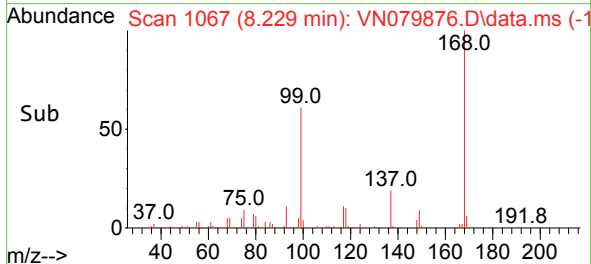
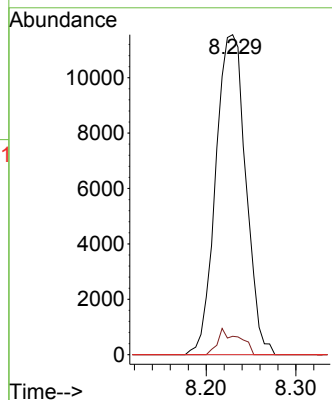


#38  
Carbon Tetrachloride  
Concen: 5.646 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.129 min  
Lab File: VN079876.D  
Acq: 04 Nov 2023 04:45

Instrument :  
MSVOA\_N  
ClientSampleId :

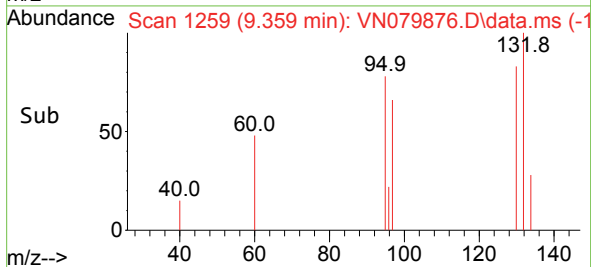
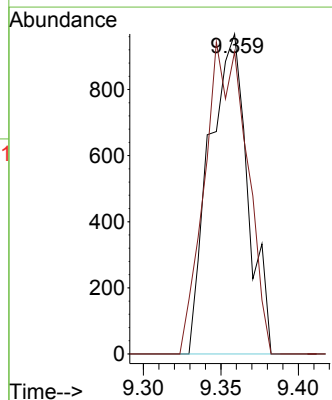
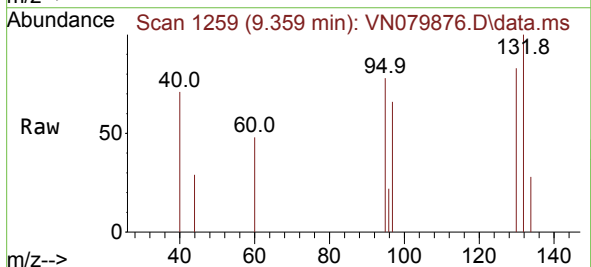


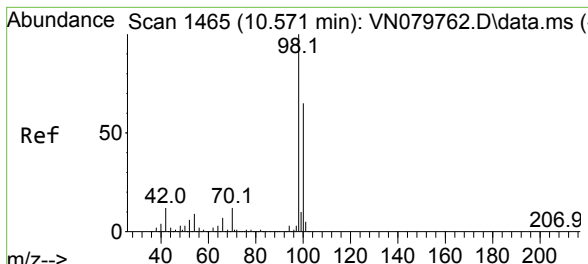
Tgt Ion:117 Resp: 26862  
Ion Ratio Lower Upper  
117 100  
119 5.7 77.3 115.9#  
121 0.0 23.3 34.9#



#44  
Trichloroethene  
Concen: 0.474 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. 0.006 min  
Lab File: VN079876.D  
Acq: 04 Nov 2023 04:45

Tgt Ion:130 Resp: 1663  
Ion Ratio Lower Upper  
130 100  
95 94.4 0.0 204.6

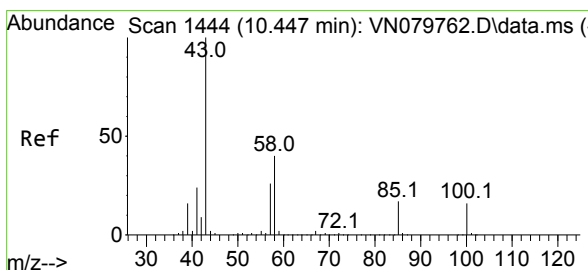
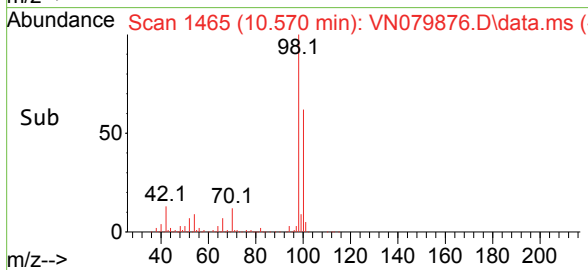
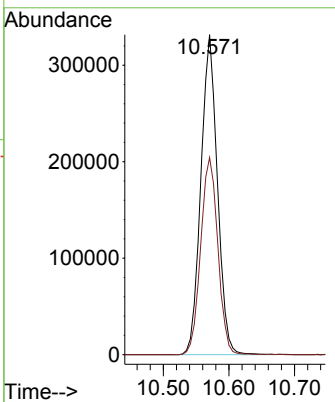
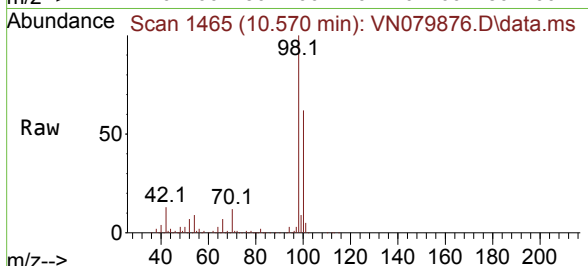




#50  
Toluene-d8  
Concen: 47.783 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079876.D  
Acq: 04 Nov 2023 04:45

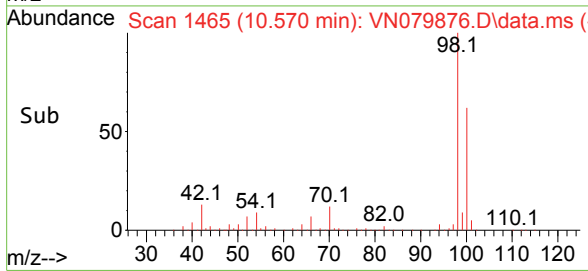
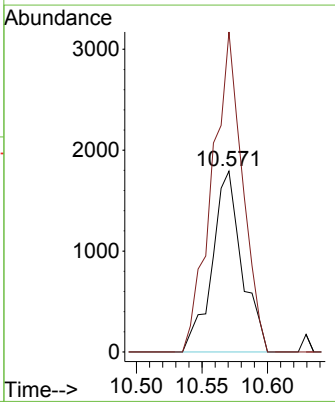
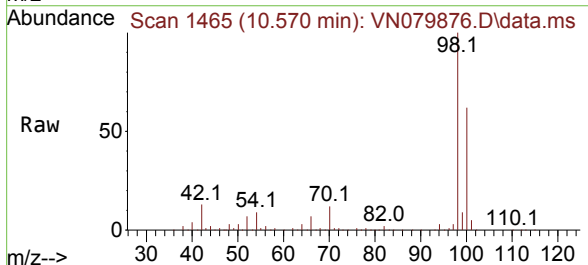
Instrument :  
MSVOA\_N  
ClientSampleId :

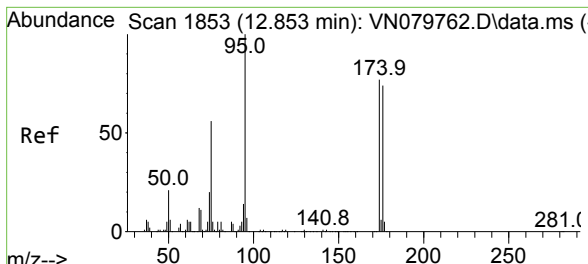
Tgt Ion: 98 Resp: 581601  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.661 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. 0.124 min  
Lab File: VN079876.D  
Acq: 04 Nov 2023 04:45

Tgt Ion: 43 Resp: 2826  
Ion Ratio Lower Upper  
43 100  
58 181.6 36.6 54.8#

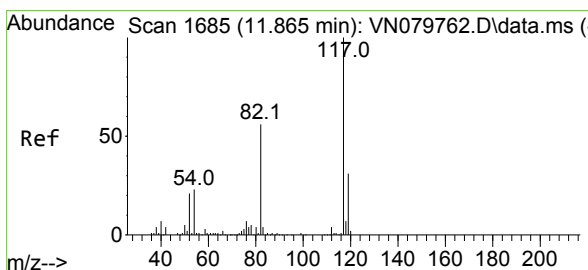
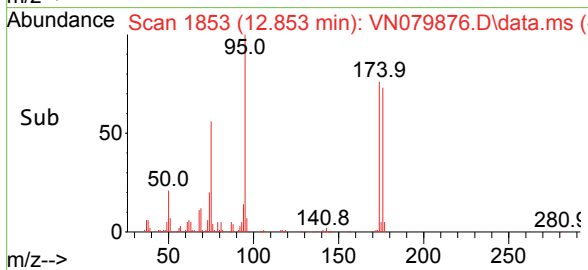
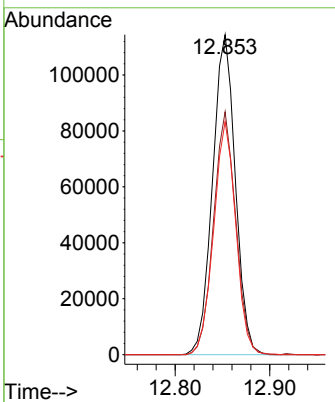
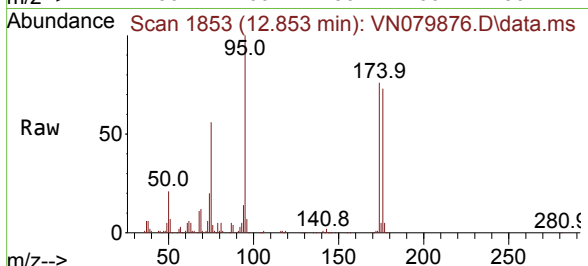




#62  
 4-Bromofluorobenzene  
 Concen: 47.374 ug/l  
 RT: 12.853 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN079876.D  
 Acq: 04 Nov 2023 04:45

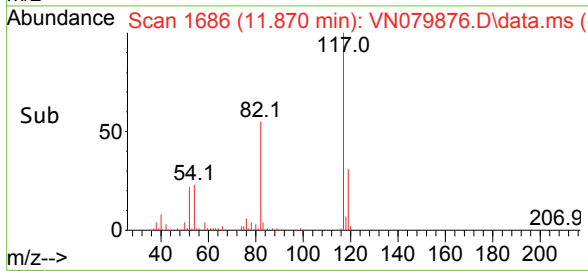
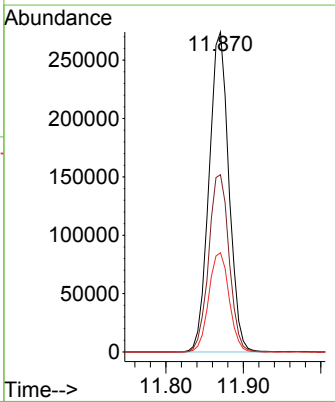
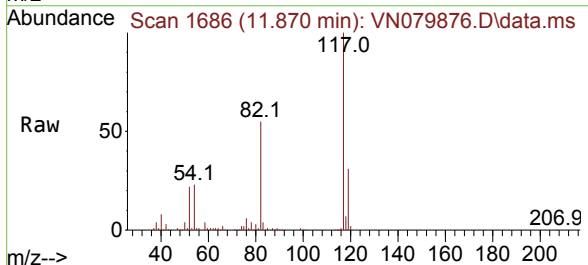
Instrument :  
 MSVOA\_N  
 ClientSampleId :

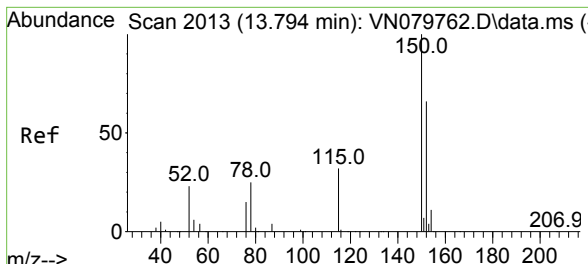
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 191235 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 74.1  | 0.0   | 143.8  |
| 176       | 70.9  | 0.0   | 135.8  |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.870 min Scan# 1686  
 Delta R.T. 0.000 min  
 Lab File: VN079876.D  
 Acq: 04 Nov 2023 04:45

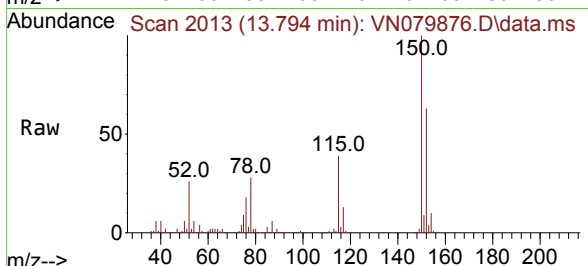
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 486493 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 55.4  | 44.0  | 66.0   |
| 119       | 31.0  | 25.6  | 38.4   |



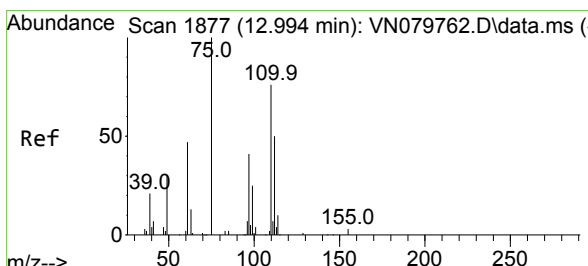
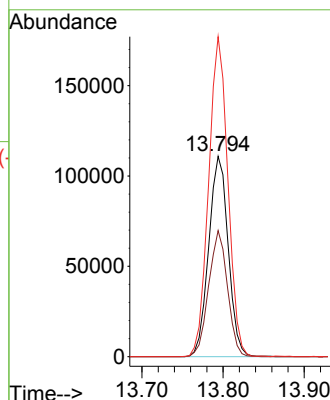
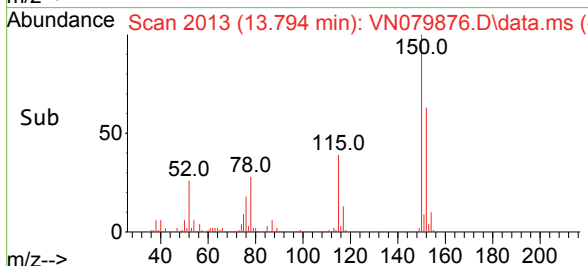


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. 0.000 min  
 Lab File: VN079876.D  
 Acq: 04 Nov 2023 04:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :

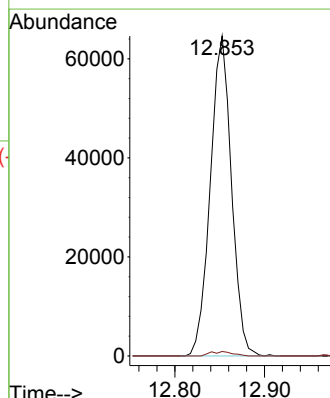
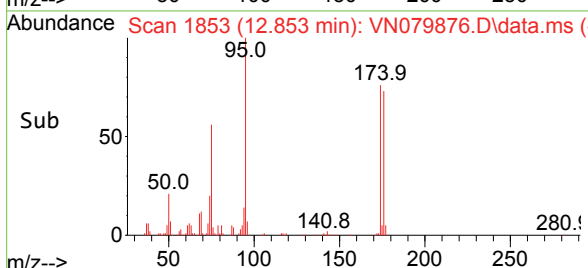
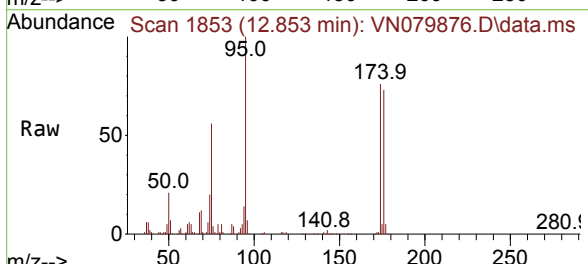


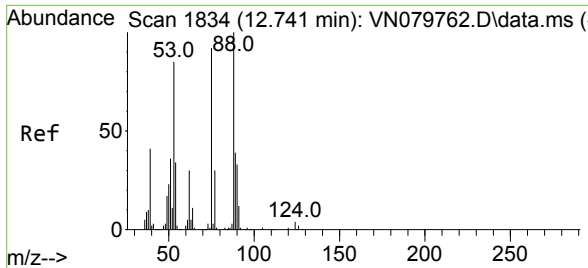
Tgt Ion:152 Resp: 184951  
 Ion Ratio Lower Upper  
 152 100  
 115 60.6 32.3 96.8  
 150 157.4 0.0 355.8



#76  
 1,2,3-Trichloropropane  
 Concen: 24.401 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. -0.141 min  
 Lab File: VN079876.D  
 Acq: 04 Nov 2023 04:45

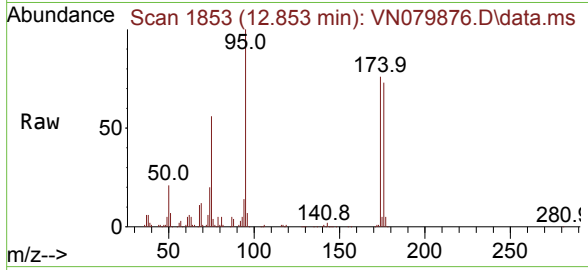
Tgt Ion: 75 Resp: 105951  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 84.5 253.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.389 ug/l  
 RT: 12.853 min Scan# 11  
 Delta R.T. 0.118 min  
 Lab File: VN079876.D  
 Acq: 04 Nov 2023 04:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 75 Resp: 105951  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 67.4 101.2#  
 89 0.0 38.8 58.2#

