

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101123\  
 Data File : VN079528.D  
 Acq On : 11 Oct 2023 19:36  
 Operator : JC\MD  
 Sample : 04833-10  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 12 06:14:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

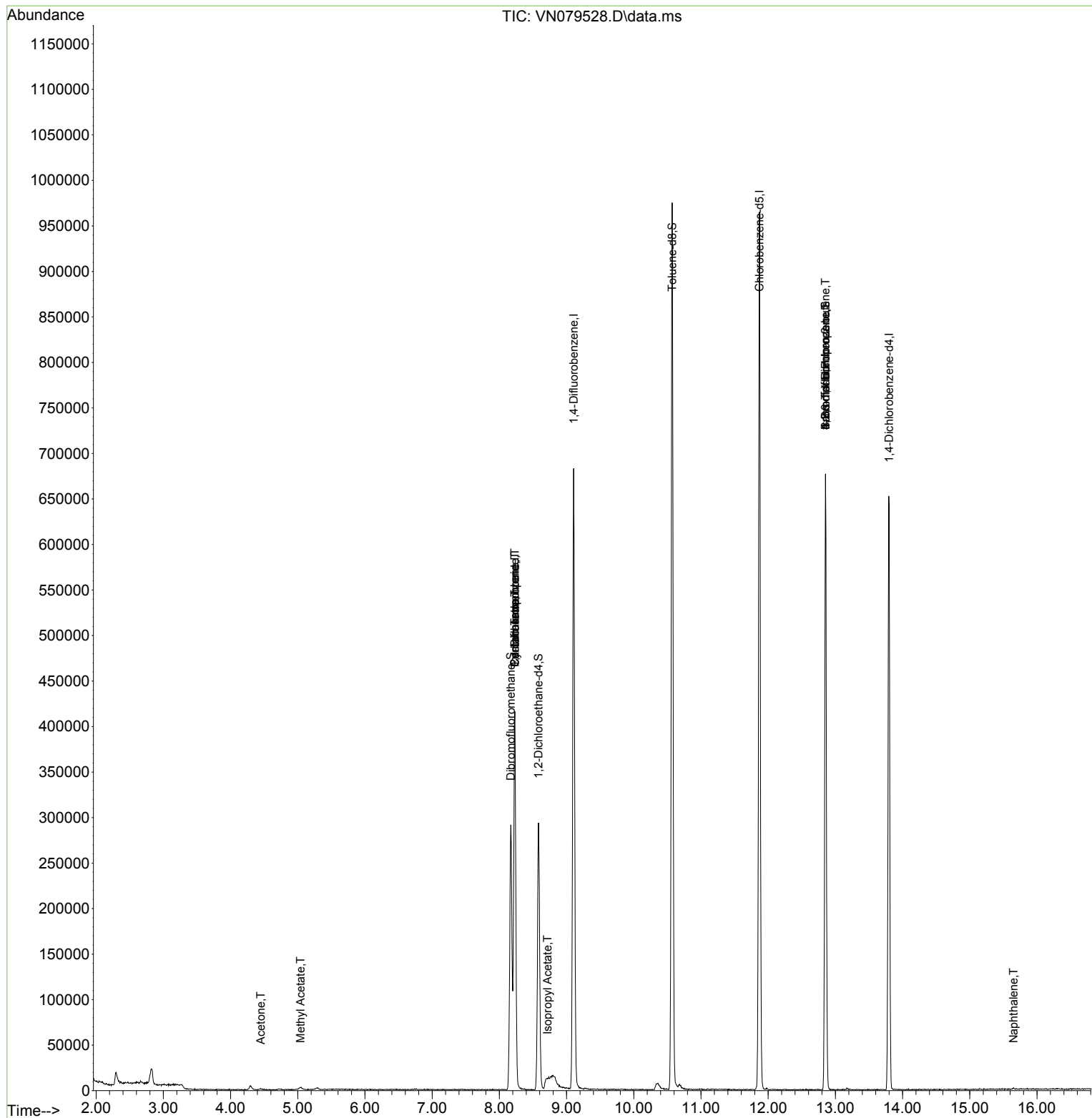
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 285764   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 565561   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 533091   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.800 | 152   | 170941   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 232806   | 50.245    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 100.480% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 204361   | 50.282    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 100.560% |          |
| 50) Toluene-d8                | 10.571 | 98    | 659452   | 44.843    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 89.680%  |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 222450   | 47.135    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 94.260%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 16) Acetone                   | 4.447  | 43    | 1490     | 0.811     | ug/l #     | 71       |
| 18) Methyl Acetate            | 5.042  | 43    | 5591     | 0.622     | ug/l #     | 81       |
| 20) Methylene Chloride        | 5.283  | 84    | 1319     | Below Cal | #          | 74       |
| 31) Cyclohexane               | 8.230  | 56    | 8153     | 1.240     | ug/l #     | 34       |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 25317    | 4.150     | ug/l #     | 47       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 31569    | 5.170     | ug/l #     | 17       |
| 43) Isopropyl Acetate         | 8.718  | 43    | 12663    | 1.191     | ug/l #     | 49       |
| 71) Bromoform                 | 12.853 | 173   | 1526     | 0.480     | ug/l #     | 1        |
| 75) 1,1,2,2-Tetrachloroethane | 12.847 | 83    | 135      | Below Cal | #          | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 125015   | 25.365    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 125015   | 73.597    | ug/l #     | 15       |
| 95) Naphthalene               | 15.653 | 128   | 1931     | 0.338     | ug/l #     | 70       |
| -----                         |        |       |          |           |            |          |

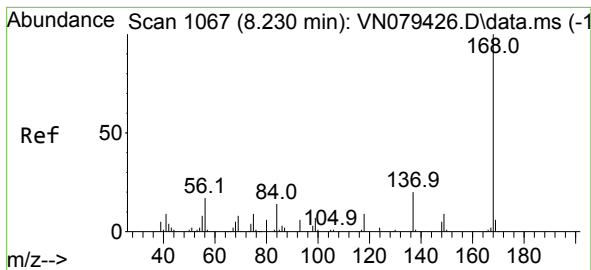
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101123\  
Data File : VN079528.D  
Acq On : 11 Oct 2023 19:36  
Operator : JC\MD  
Sample : 04833-10  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Oct 12 06:14:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 06 03:34:49 2023  
Response via : Initial Calibration

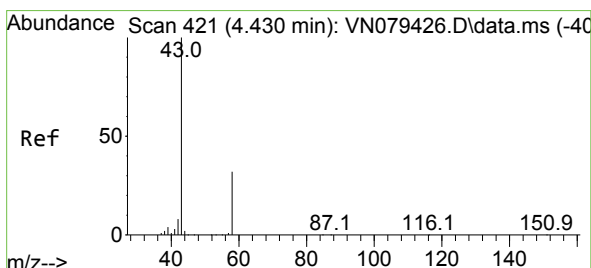
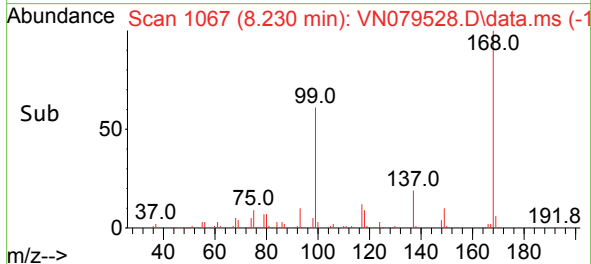
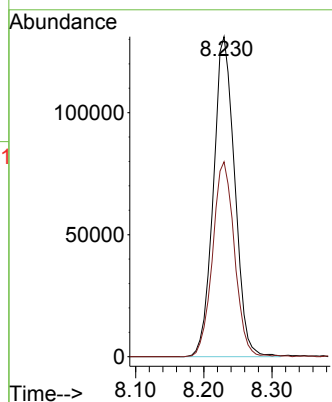
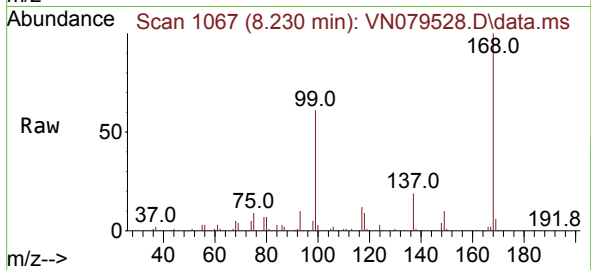




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

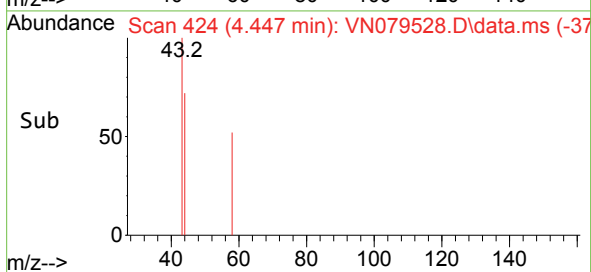
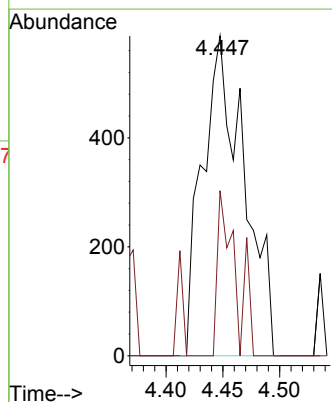
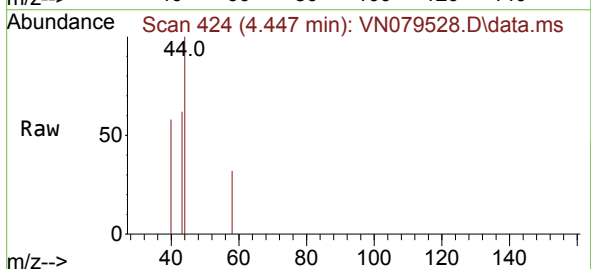
Instrument :  
MSVOA\_N  
ClientSampleId :

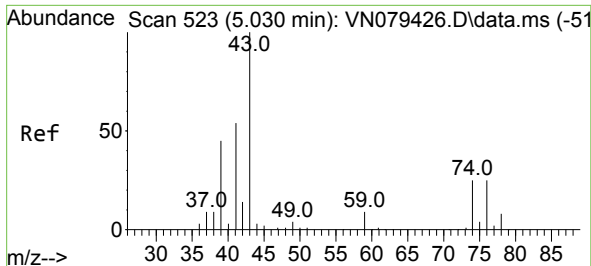
Tgt Ion:168 Resp: 285764  
Ion Ratio Lower Upper  
168 100  
99 60.9 53.0 79.6



#16  
Acetone  
Concen: 0.811 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.017 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

Tgt Ion: 43 Resp: 1490  
Ion Ratio Lower Upper  
43 100  
58 51.6 28.0 42.0#





#18

Methyl Acetate

Concen: 0.622 ug/l

RT: 5.042 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN079528.D

Acq: 11 Oct 2023 19:36

Instrument :

MSVOA\_N

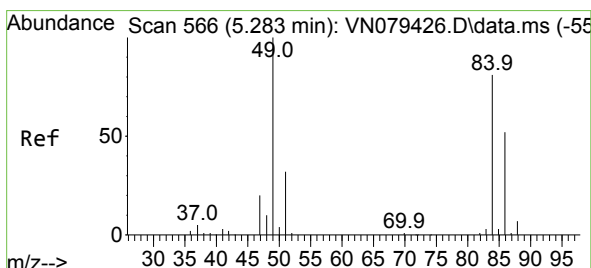
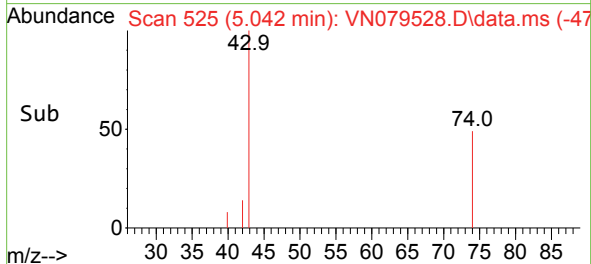
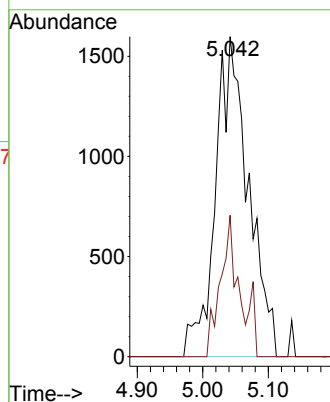
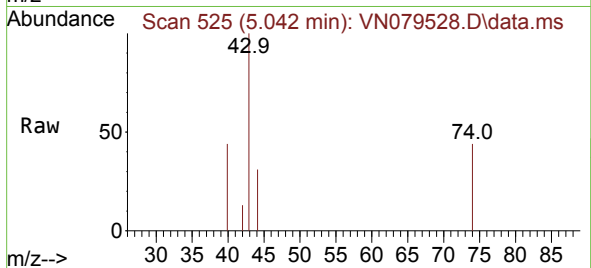
ClientSampleId :

Tgt Ion: 43 Resp: 5591

Ion Ratio Lower Upper

43 100

74 22.2 26.2 39.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 566

Delta R.T. -0.000 min

Lab File: VN079528.D

Acq: 11 Oct 2023 19:36

Tgt Ion: 84 Resp: 1319

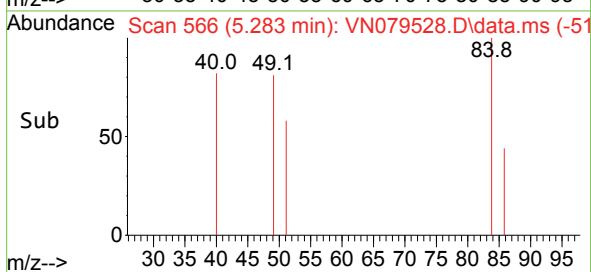
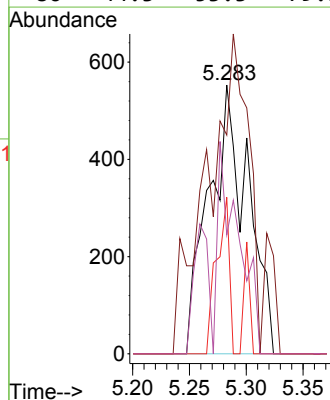
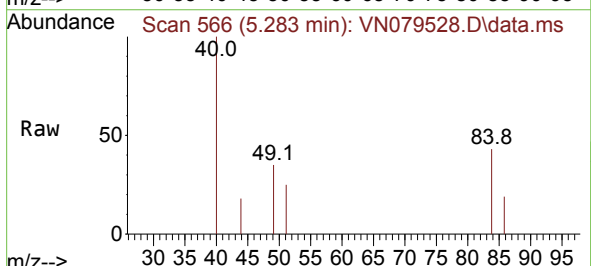
Ion Ratio Lower Upper

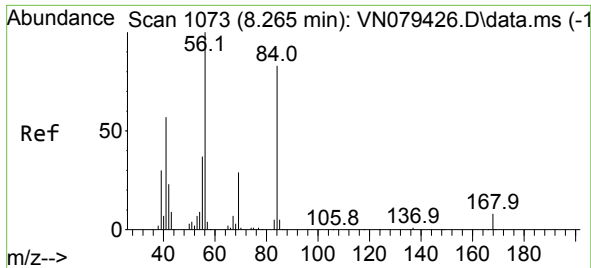
84 100

49 81.4 79.7 119.5

51 58.2 25.2 37.8#

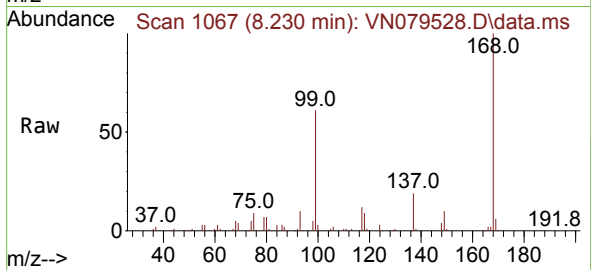
86 44.3 53.3 79.9#



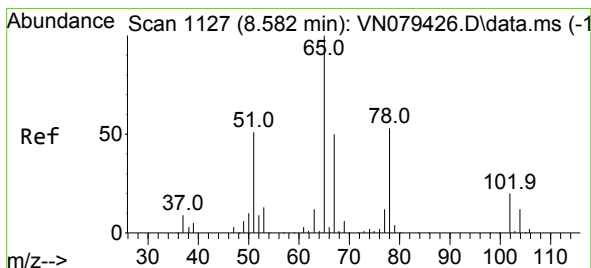
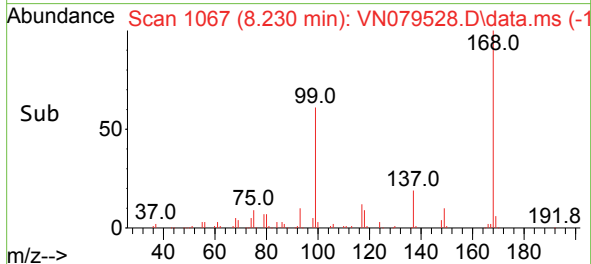
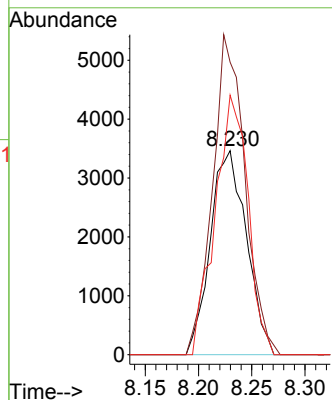


#31  
Cyclohexane  
Concen: 1.240 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.035 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

Instrument :  
MSVOA\_N  
ClientSampleId :

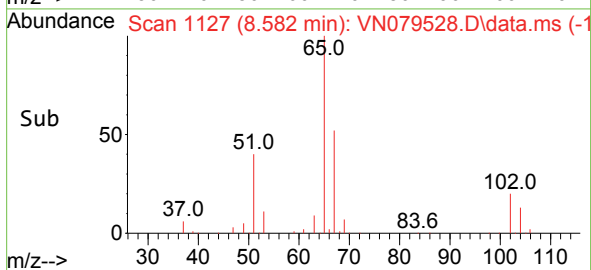
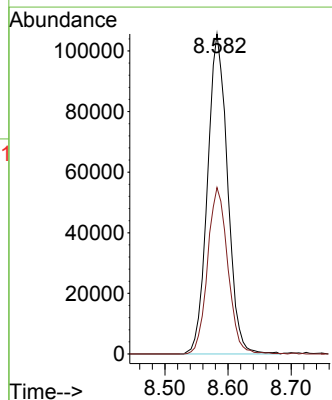
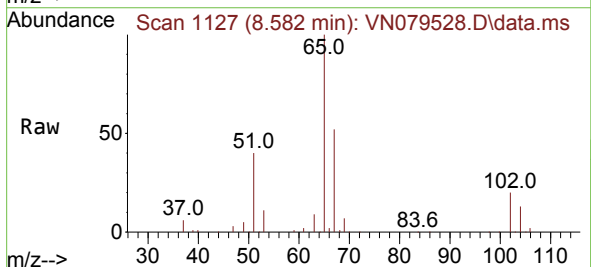


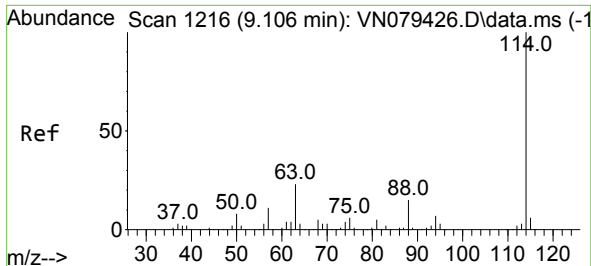
Tgt Ion: 56 Resp: 8153  
Ion Ratio Lower Upper  
56 100  
69 143.4 26.8 40.2#  
84 127.2 81.8 122.6#



#33  
1,2-Dichloroethane-d4  
Concen: 50.245 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

Tgt Ion: 65 Resp: 232806  
Ion Ratio Lower Upper  
65 100  
67 52.6 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: VN079528.D

Acq: 11 Oct 2023 19:36

Instrument :

MSVOA\_N

ClientSampleId :

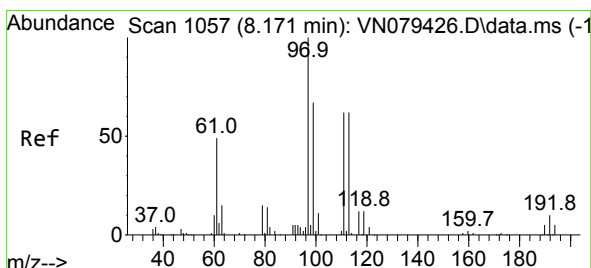
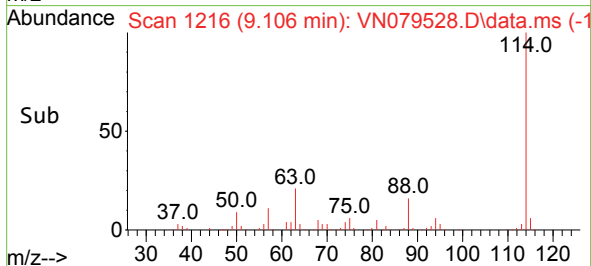
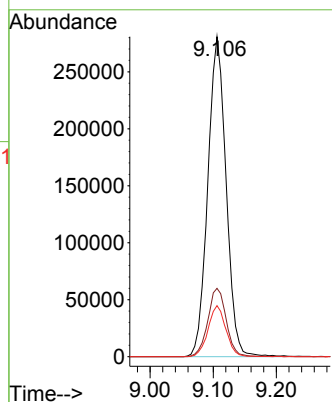
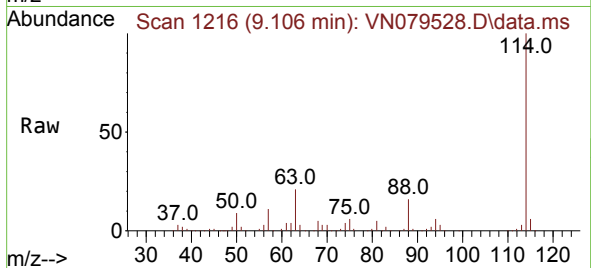
Tgt Ion:114 Resp: 565561

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.282 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079528.D

Acq: 11 Oct 2023 19:36

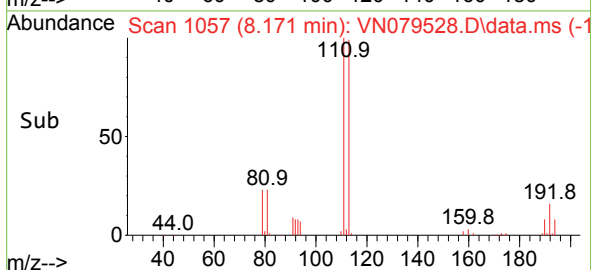
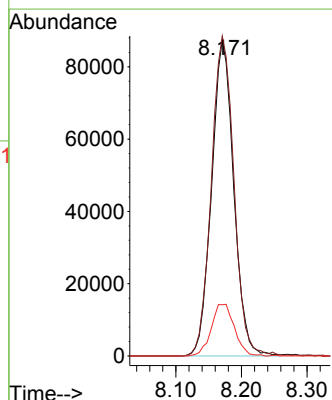
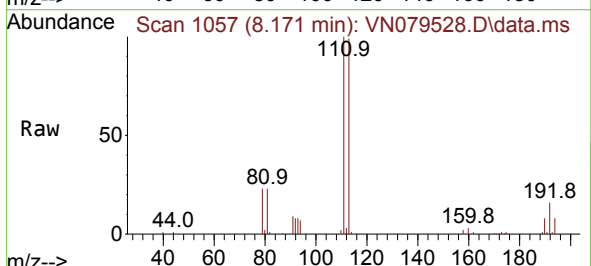
Tgt Ion:113 Resp: 204361

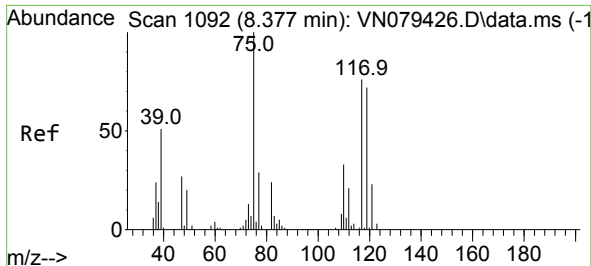
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.150 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

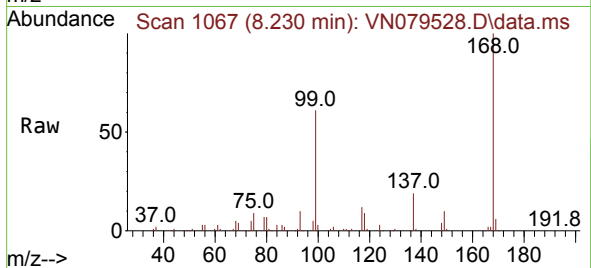
Lab File: VN079528.D

Acq: 11 Oct 2023 19:36

Instrument :

MSVOA\_N

ClientSampleId :



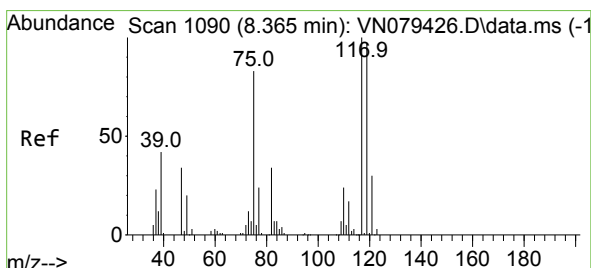
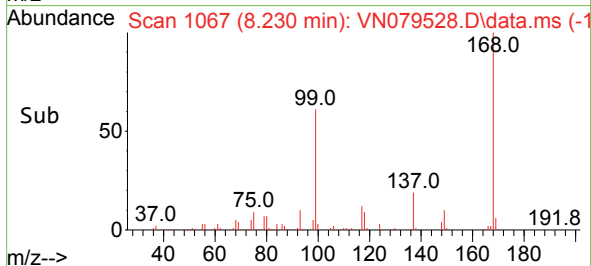
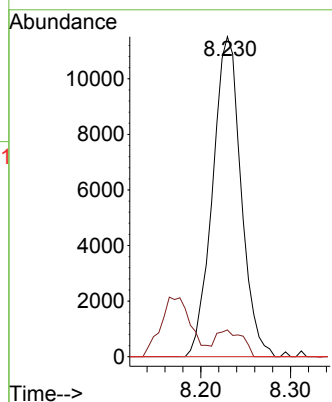
Tgt Ion: 75 Resp: 25317

Ion Ratio Lower Upper

75 100

110 7.5 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.170 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN079528.D

Acq: 11 Oct 2023 19:36

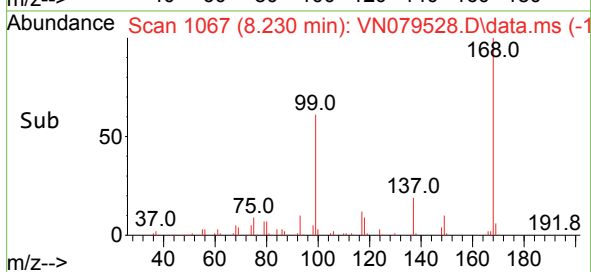
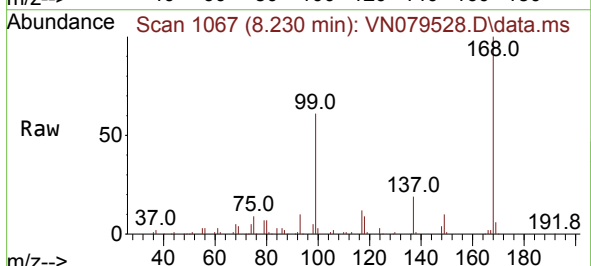
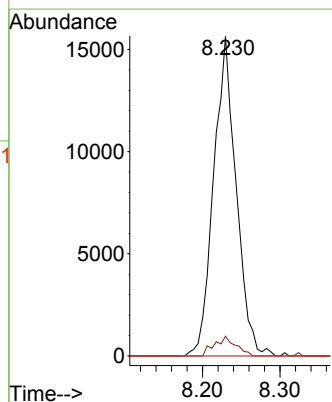
Tgt Ion: 117 Resp: 31569

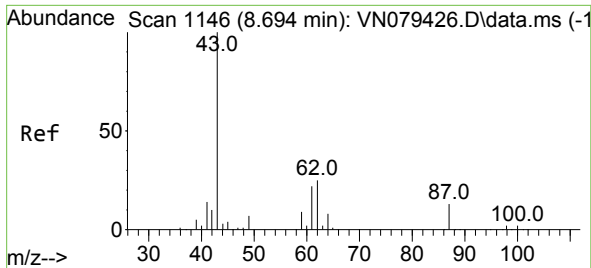
Ion Ratio Lower Upper

117 100

119 6.2 77.3 115.9#

121 0.0 23.3 34.9#

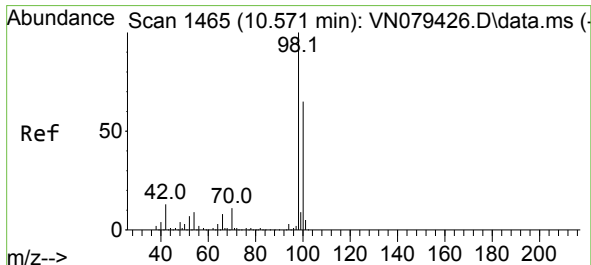
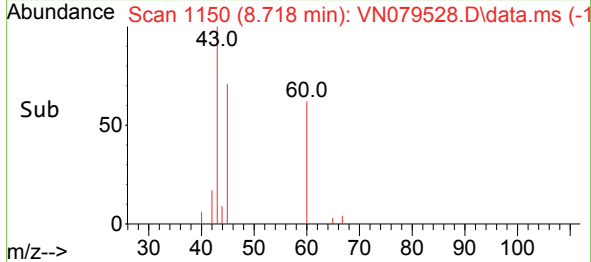
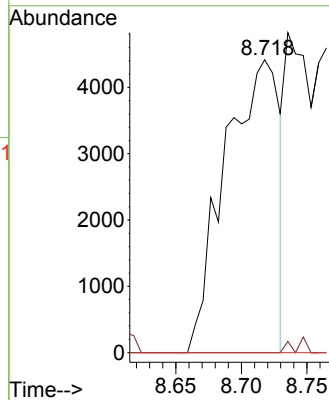
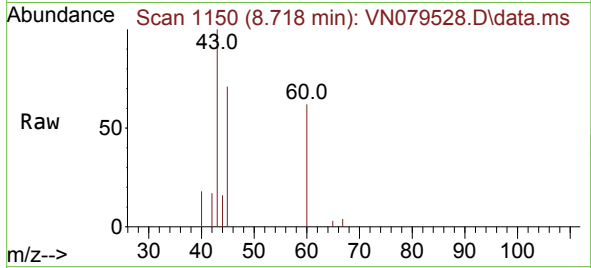




#43  
Isopropyl Acetate  
Concen: 1.191 ug/l  
RT: 8.718 min Scan# 1150  
Delta R.T. 0.024 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

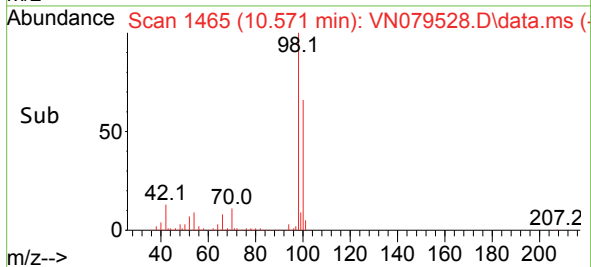
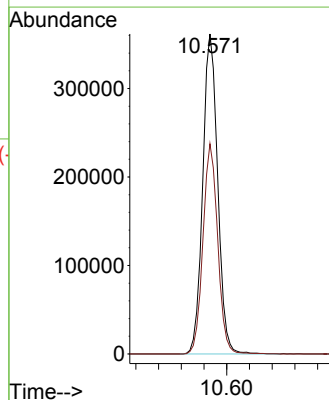
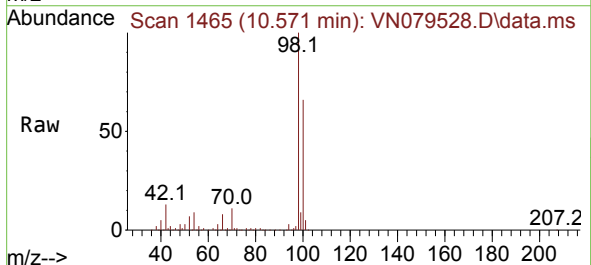
Instrument :  
MSVOA\_N  
ClientSampleId :

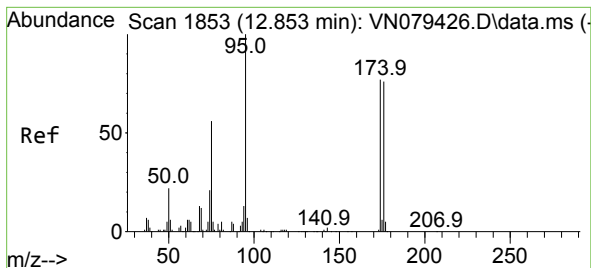
Tgt Ion: 43 Resp: 12663  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.7 37.1#  
87 0.0 14.6 21.8#



#50  
Toluene-d8  
Concen: 44.843 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

Tgt Ion: 98 Resp: 659452  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.0 78.0

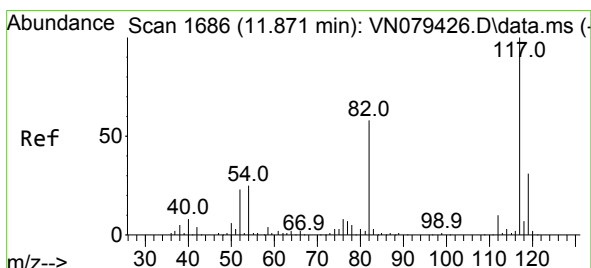
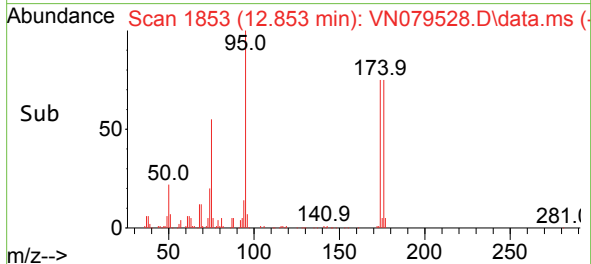
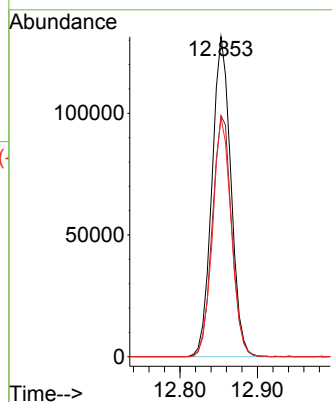
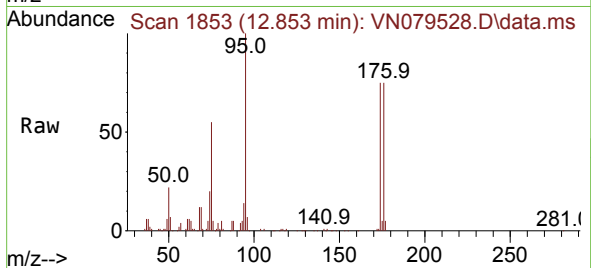




#62  
4-Bromofluorobenzene  
Concen: 47.135 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

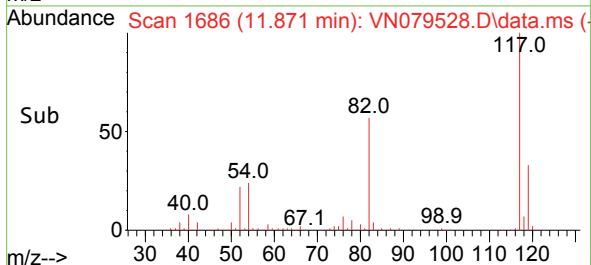
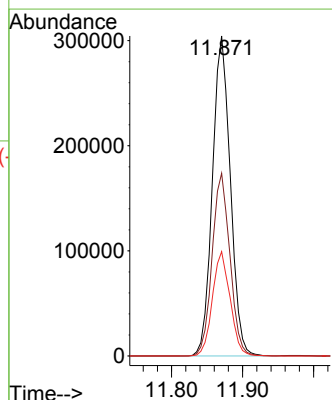
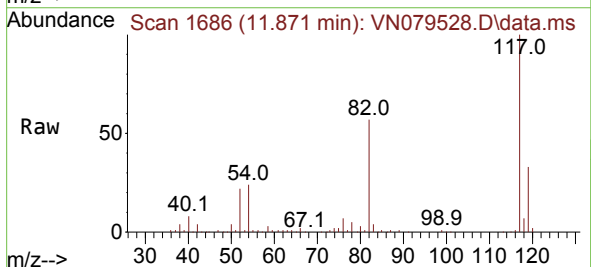
Instrument :  
MSVOA\_N  
ClientSampleId :

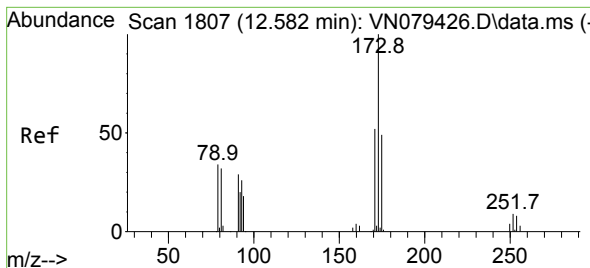
Tgt Ion: 95 Resp: 222450  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 143.8  
176 73.8 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

Tgt Ion: 117 Resp: 533091  
Ion Ratio Lower Upper  
117 100  
82 57.1 44.0 66.0  
119 32.6 25.6 38.4





#71

Bromoform

Concen: 0.480 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

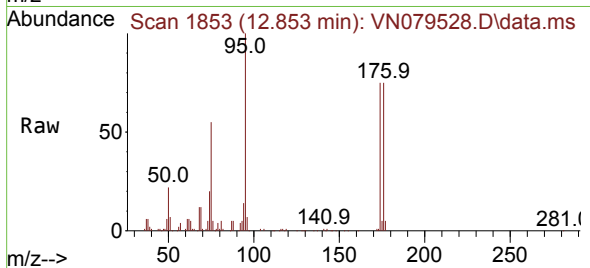
Lab File: VN079528.D

Acq: 11 Oct 2023 19:36

Instrument :

MSVOA\_N

ClientSampleId :



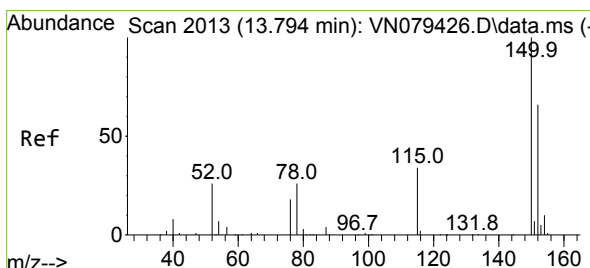
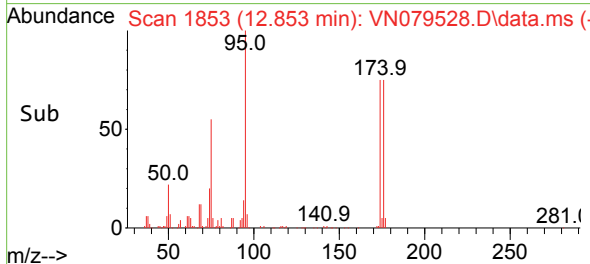
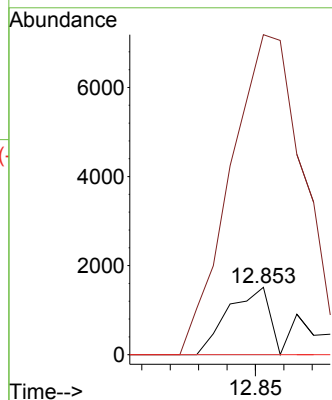
Tgt Ion:173 Resp: 1526

Ion Ratio Lower Upper

173 100

175 630.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079528.D

Acq: 11 Oct 2023 19:36

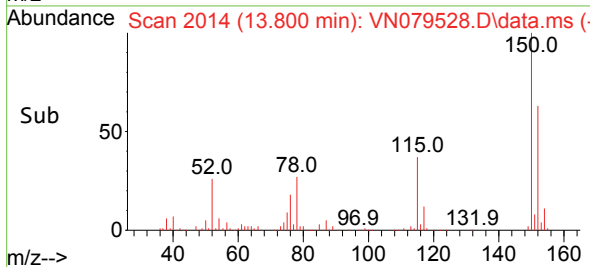
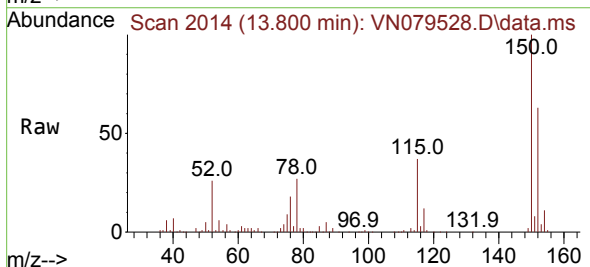
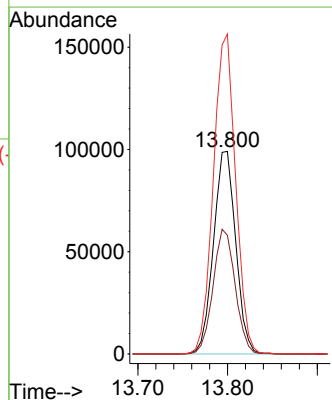
Tgt Ion:152 Resp: 170941

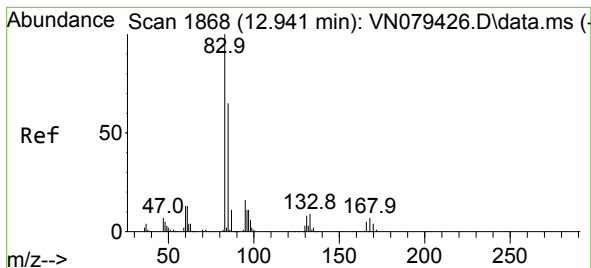
Ion Ratio Lower Upper

152 100

115 61.1 32.3 96.8

150 157.3 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.847 min Scan# 1852

Delta R.T. -0.094 min

Lab File: VN079528.D

Acq: 11 Oct 2023 19:36

Instrument :

MSVOA\_N

ClientSampleId :

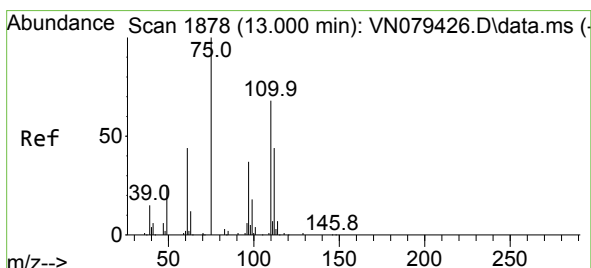
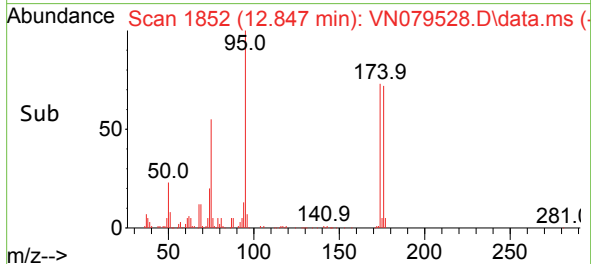
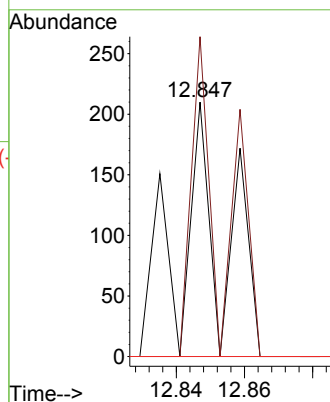
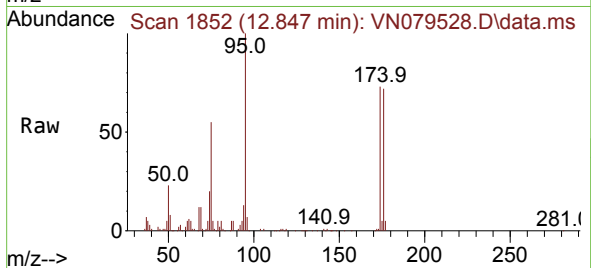
Tgt Ion: 83 Resp: 135

Ion Ratio Lower Upper

83 100

131 122.2 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 25.365 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079528.D

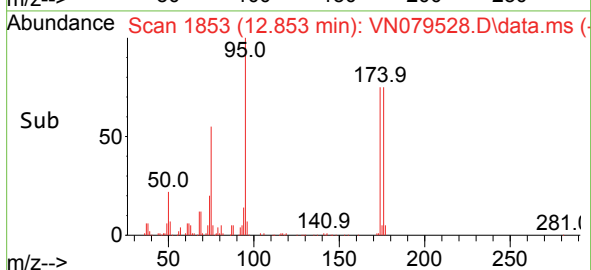
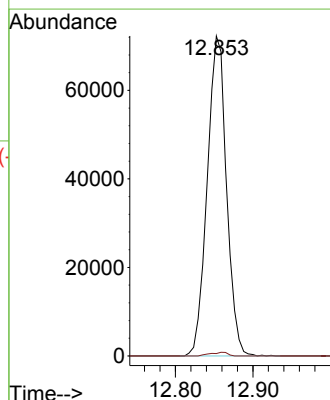
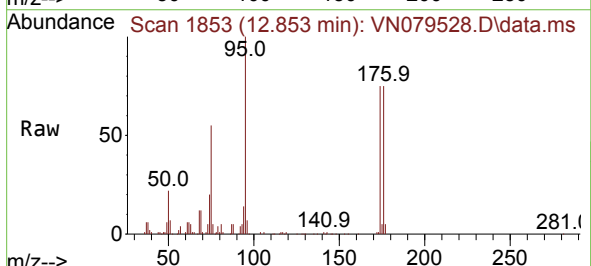
Acq: 11 Oct 2023 19:36

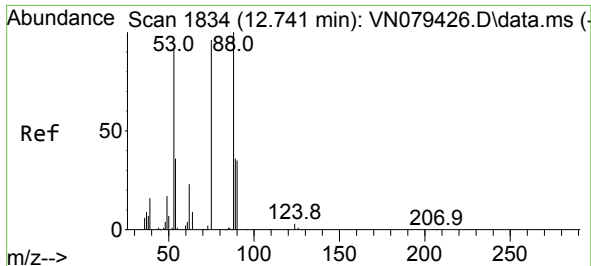
Tgt Ion: 75 Resp: 125015

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

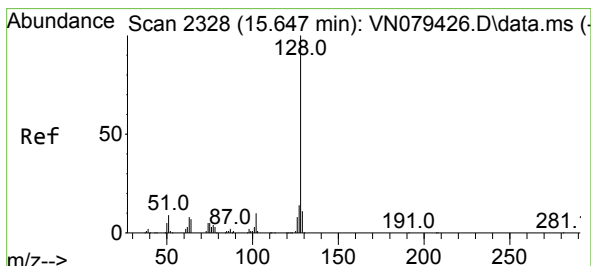
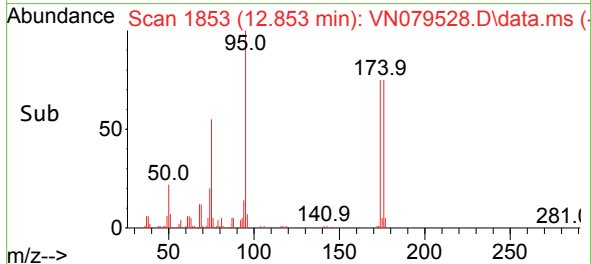
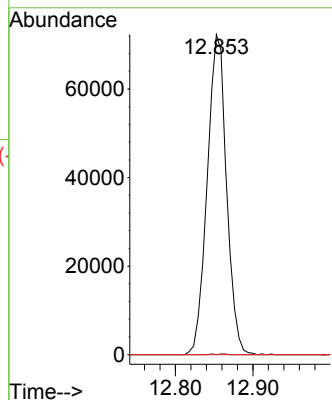
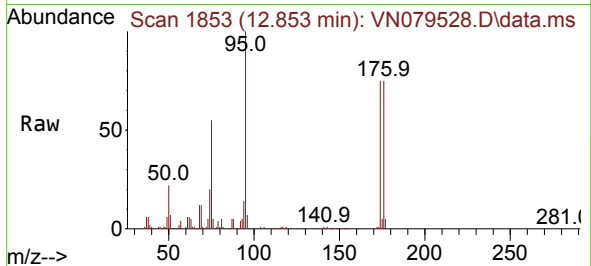




#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.597 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.112 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 125015  
Ion Ratio Lower Upper  
75 100  
53 0.2 67.4 101.2#  
89 0.0 38.8 58.2#



#95  
Naphthalene  
Concen: 0.338 ug/l  
RT: 15.653 min Scan# 2329  
Delta R.T. 0.006 min  
Lab File: VN079528.D  
Acq: 11 Oct 2023 19:36

Tgt Ion:128 Resp: 1931  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.0 15.0#  
129 0.0 8.7 13.1#

