

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121422\  
 Data File : VN075785.D  
 Acq On : 14 Dec 2022 23:16  
 Operator : JC\MD  
 Sample : VN1214WBL02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1214WBL02

Quant Time: Dec 15 00:30:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

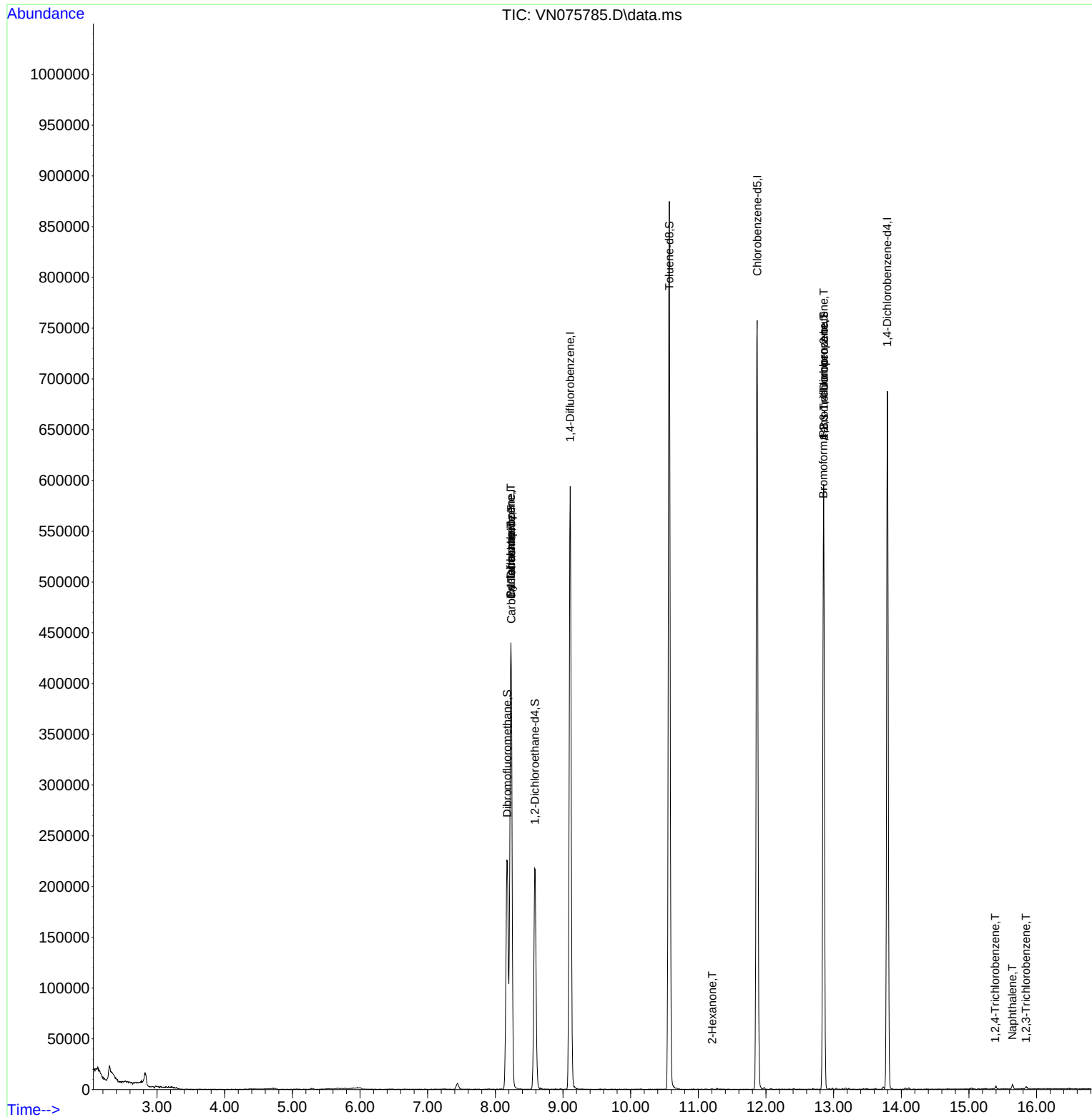
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 352055   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 544855   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870 | 117   | 476585   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 199417   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 176940   | 46.198    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 92.400%  |
| 35) Dibromofluoromethane      | 8.177  | 113   | 165024   | 48.907    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 97.820%  |
| 50) Toluene-d8                | 10.571 | 98    | 625593   | 49.588    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 99.180%  |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 194671   | 46.589    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 93.180%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 20) Methylene Chloride        | 5.283  | 84    | 337      | Below Cal | #      | 49       |
| 31) Cyclohexane               | 8.230  | 56    | 6196     | 1.130     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 23071    | 5.147     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.235  | 117   | 33891    | 6.756     | ug/l # | 17       |
| 59) 2-Hexanone                | 11.206 | 43    | 559      | 0.213     | ug/l   | 74       |
| 71) Bromoform                 | 12.847 | 173   | 1167     | 0.443     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 98565    | 24.520    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 98565    | 88.260    | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180   | 1318     | 0.401     | ug/l # | 71       |
| 95) Naphthalene               | 15.641 | 128   | 4645     | 2.587     | ug/l # | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180   | 1257     | 0.409     | ug/l # | 70       |
| -----                         |        |       |          |           |        |          |

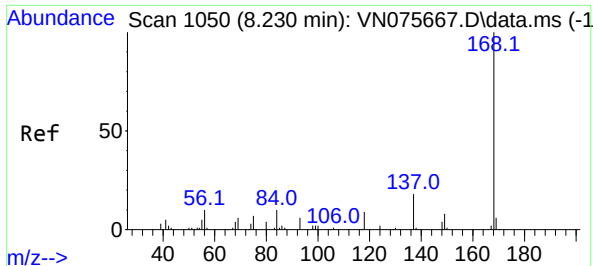
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121422\  
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Sample : VN1214WBL02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBL02

Quant Time: Dec 15 00:30:11 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

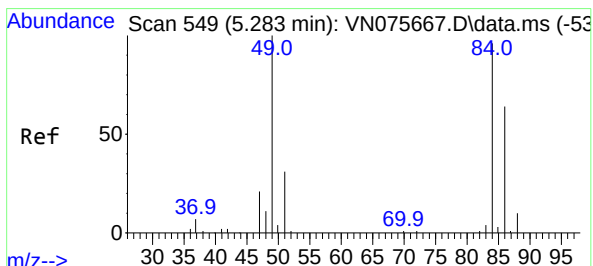
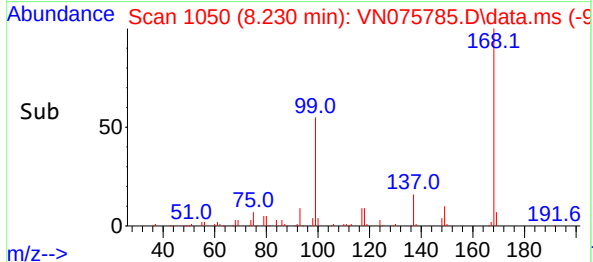
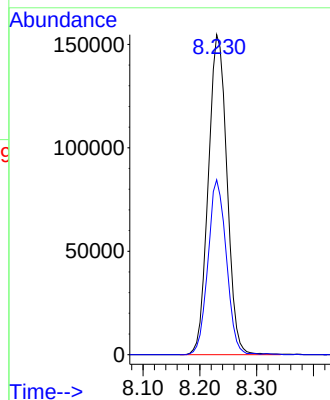
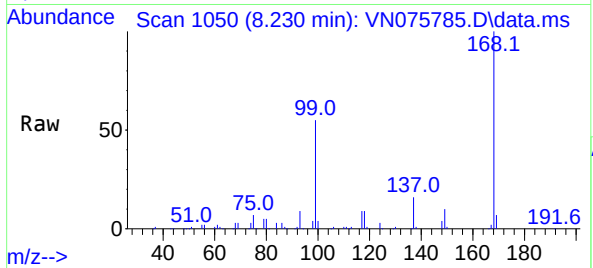




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

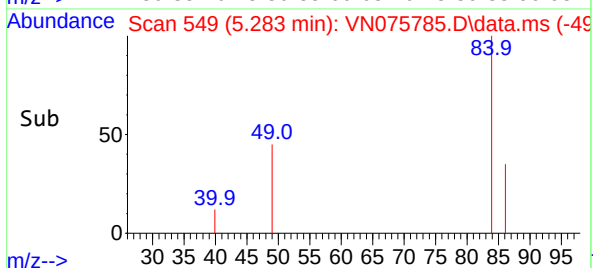
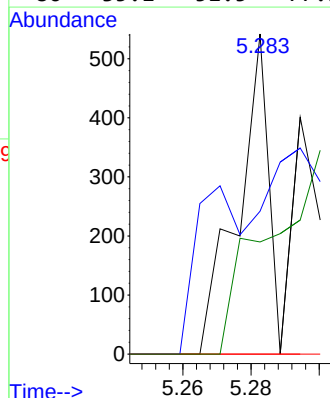
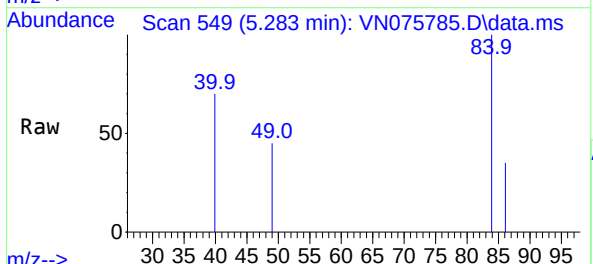
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBL02

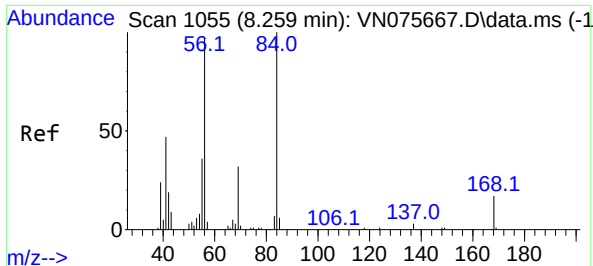
Tgt Ion:168 Resp: 352055  
Ion Ratio Lower Upper  
168 100  
99 54.6 44.2 66.4



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.283 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

Tgt Ion: 84 Resp: 337  
Ion Ratio Lower Upper  
84 100  
49 44.6 81.8 122.6#  
51 0.0 26.7 40.1#  
86 35.1 51.5 77.3#

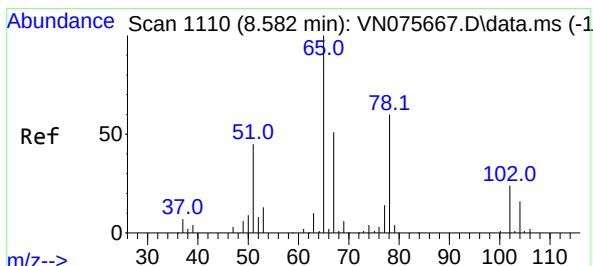
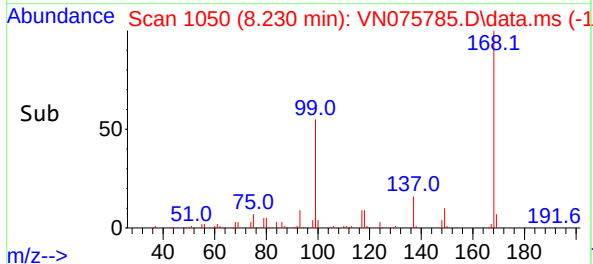
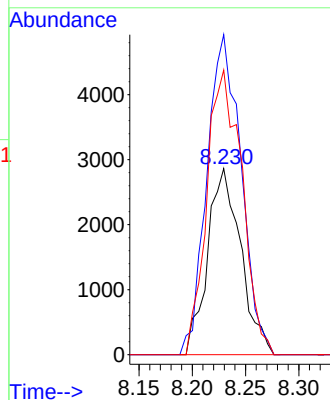
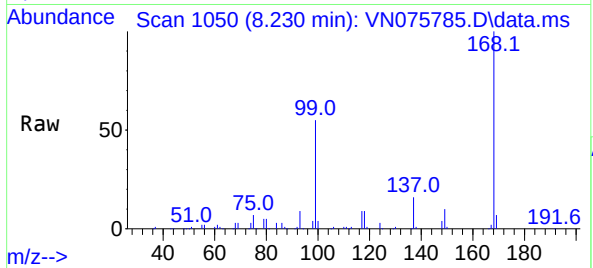




#31  
Cyclohexane  
Concen: 1.130 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.035 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

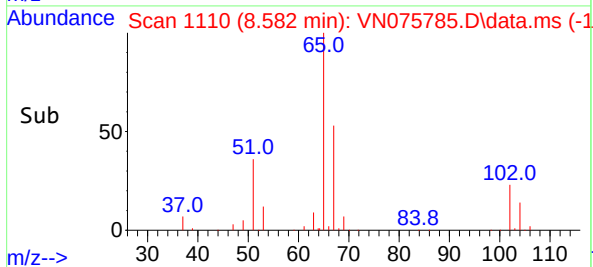
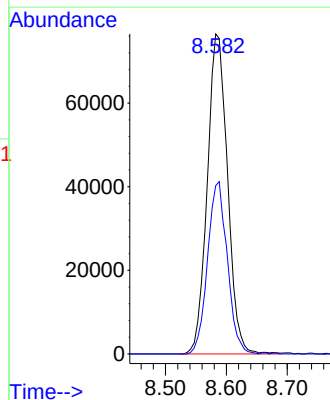
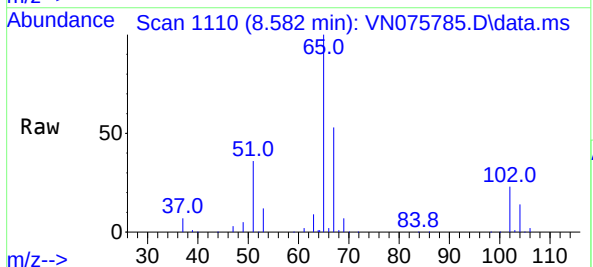
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBL02

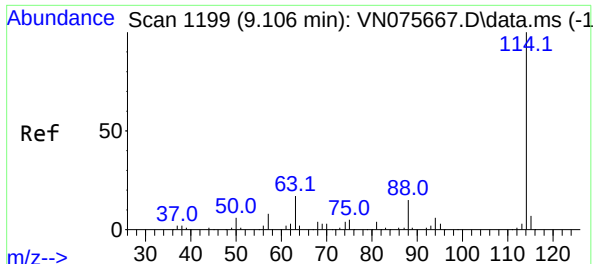
Tgt Ion: 56 Resp: 6196  
Ion Ratio Lower Upper  
56 100  
69 172.0 24.7 37.1#  
84 153.0 76.5 114.7#



#33  
1,2-Dichloroethane-d4  
Concen: 46.198 ug/l  
RT: 8.582 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

Tgt Ion: 65 Resp: 176940  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 103.4

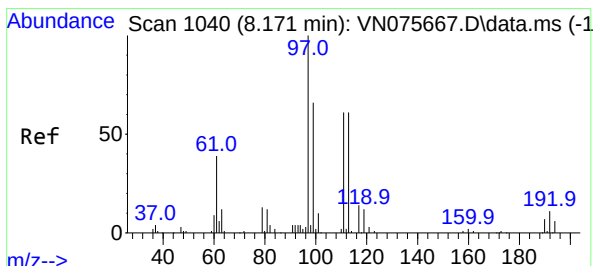
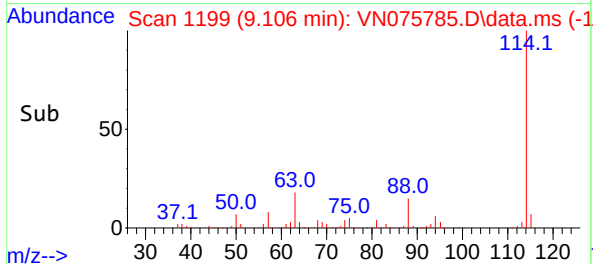
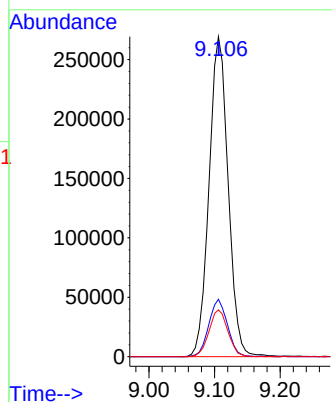
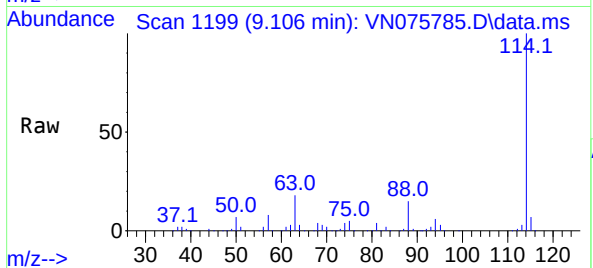




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1199  
Delta R.T. -0.000 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

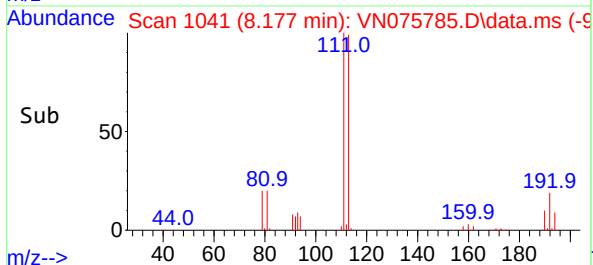
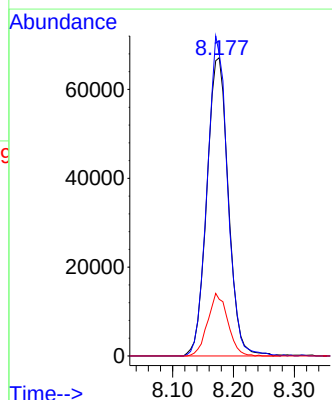
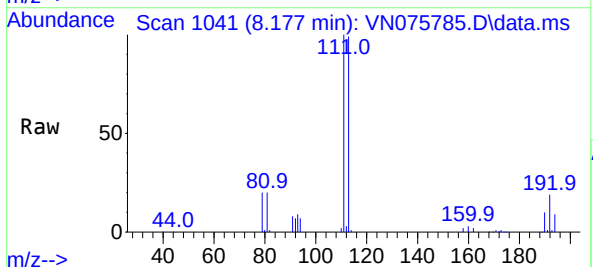
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBL02

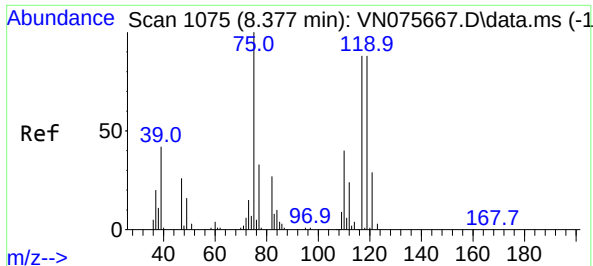
Tgt Ion:114 Resp: 544855  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 34.4  
88 14.7 0.0 28.8



#35  
Dibromofluoromethane  
Concen: 48.907 ug/l  
RT: 8.177 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

Tgt Ion:113 Resp: 165024  
Ion Ratio Lower Upper  
113 100  
111 101.8 83.4 125.2  
192 19.7 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.147 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075785.D

Acq: 14 Dec 2022 23:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1214WBL02

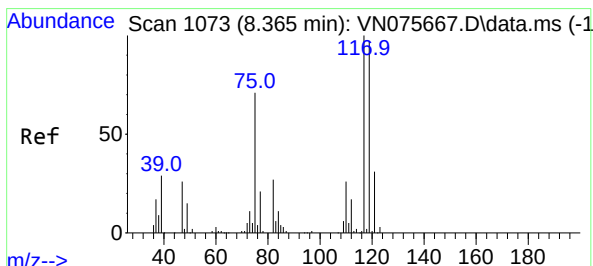
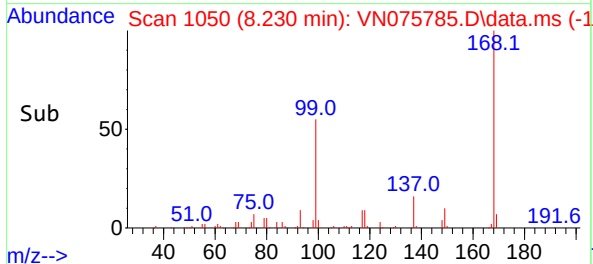
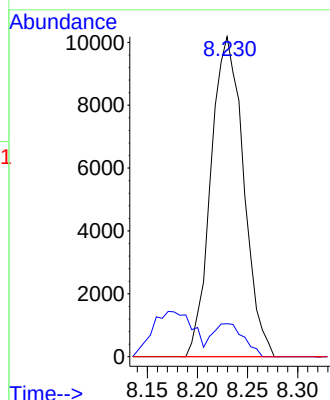
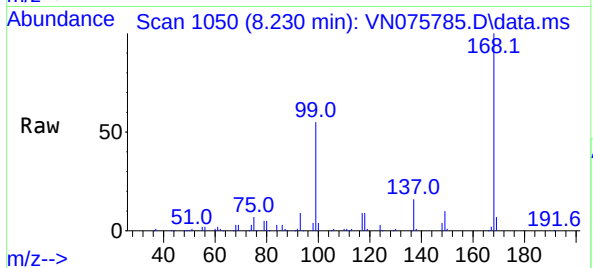
Tgt Ion: 75 Resp: 23071

Ion Ratio Lower Upper

75 100

110 9.9 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.756 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN075785.D

Acq: 14 Dec 2022 23:16

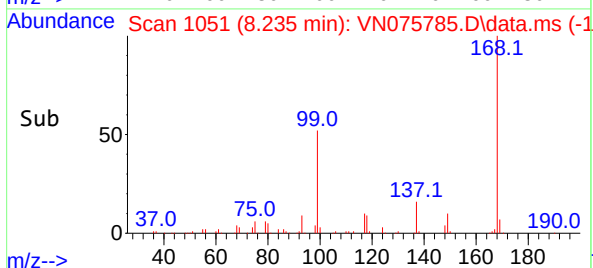
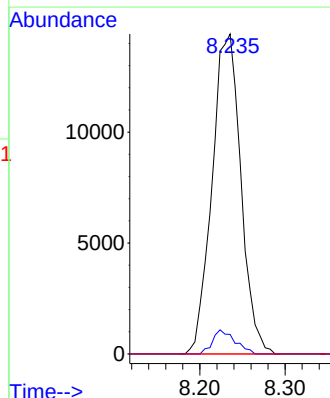
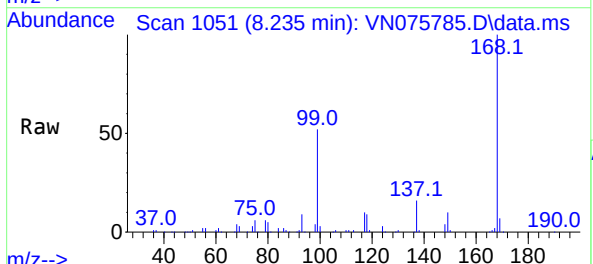
Tgt Ion: 117 Resp: 33891

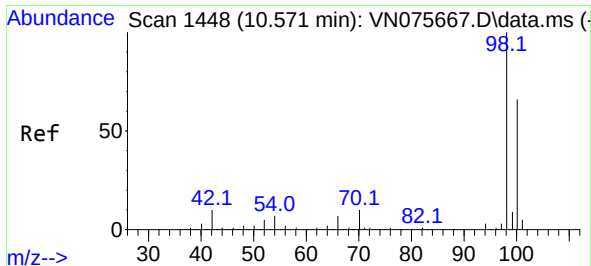
Ion Ratio Lower Upper

117 100

119 6.1 76.1 114.1#

121 0.0 24.5 36.7#

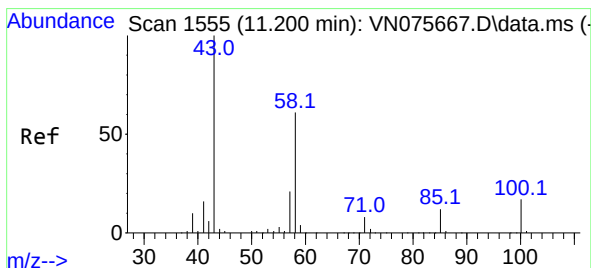
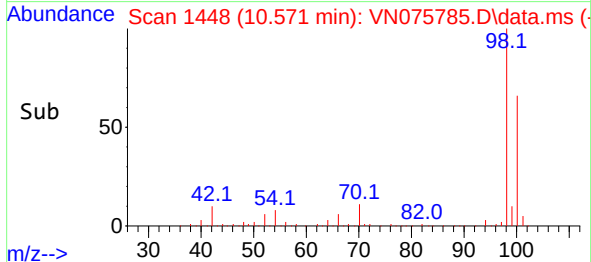
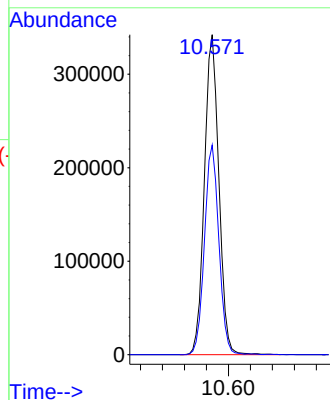
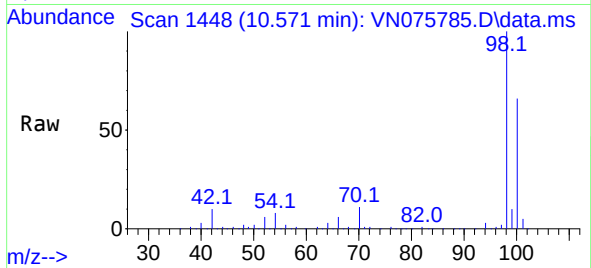




#50  
Toluene-d8  
Concen: 49.588 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

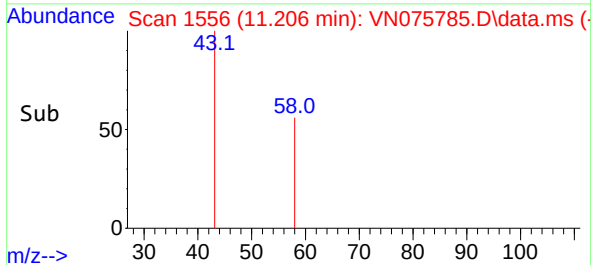
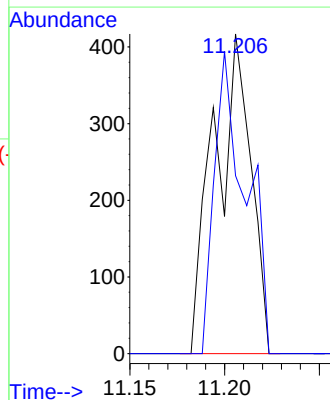
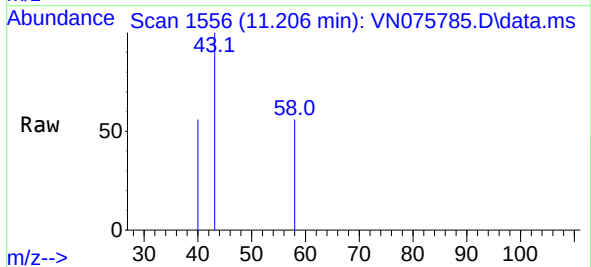
Instrument :  
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ClientSampleId :  
VN1214WBL02

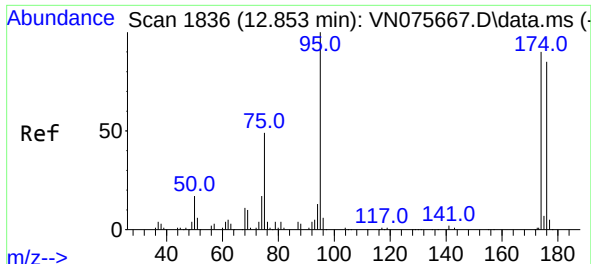
Tgt Ion: 98 Resp: 625593  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.1 78.1



#59  
2-Hexanone  
Concen: 0.213 ug/l  
RT: 11.206 min Scan# 1556  
Delta R.T. 0.006 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

Tgt Ion: 43 Resp: 559  
Ion Ratio Lower Upper  
43 100  
58 81.0 30.6 92.0

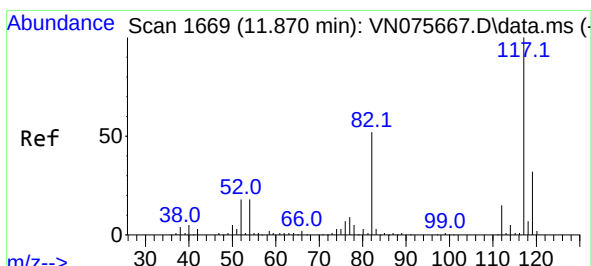
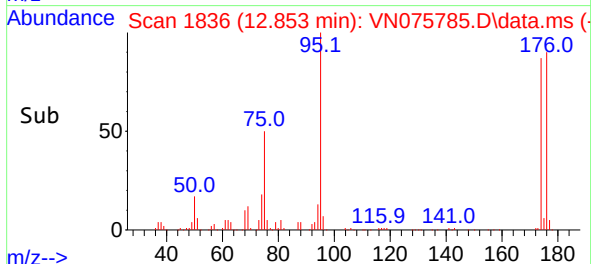
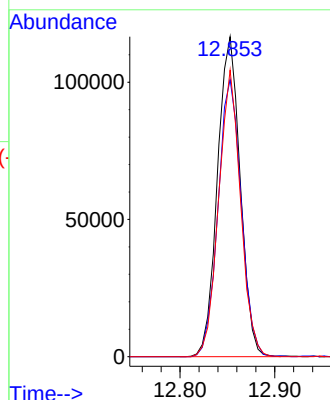
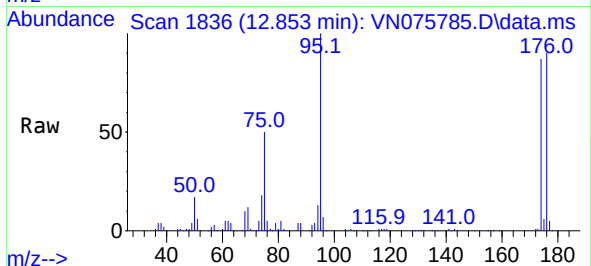




#62  
4-Bromofluorobenzene  
Concen: 46.589 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

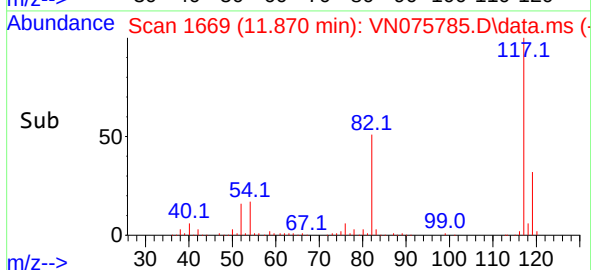
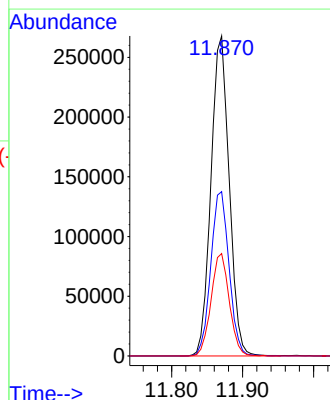
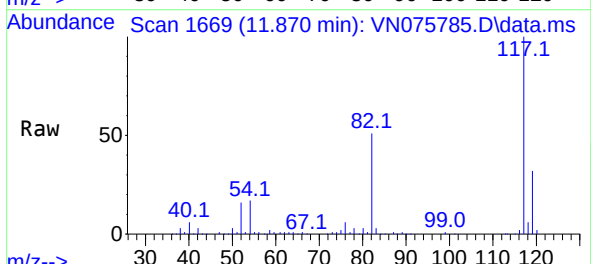
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBL02

Tgt Ion: 95 Resp: 194671  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 171.6  
176 86.2 0.0 169.2

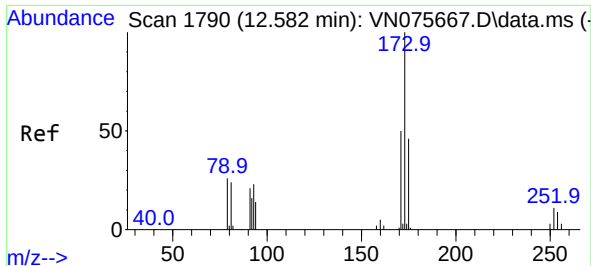


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

Tgt Ion: 117 Resp: 476585  
Ion Ratio Lower Upper  
117 100  
82 51.4 41.3 61.9  
119 32.0 24.6 37.0



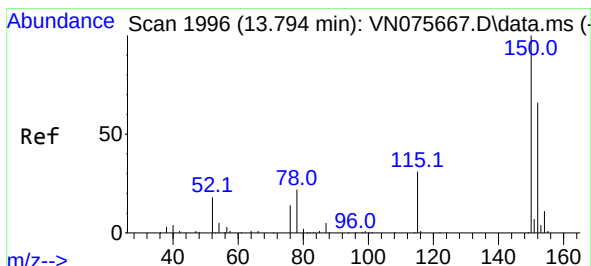
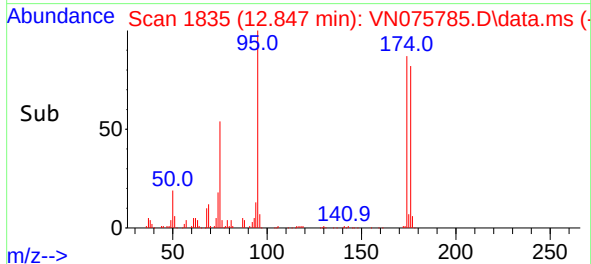
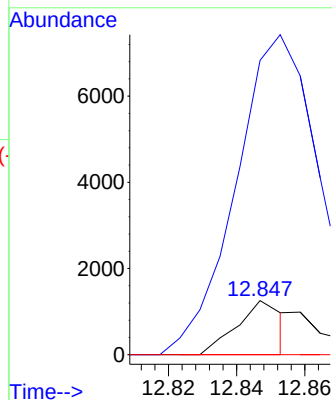
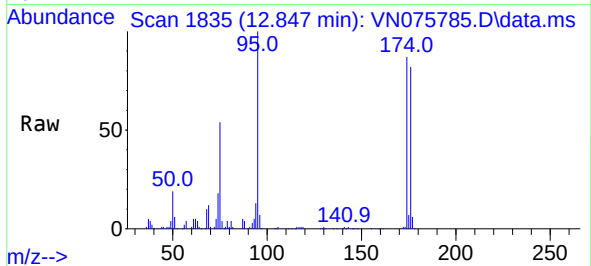




#71  
Bromoform  
Concen: 0.443 ug/l  
RT: 12.847 min Scan# 1167  
Delta R.T. 0.265 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

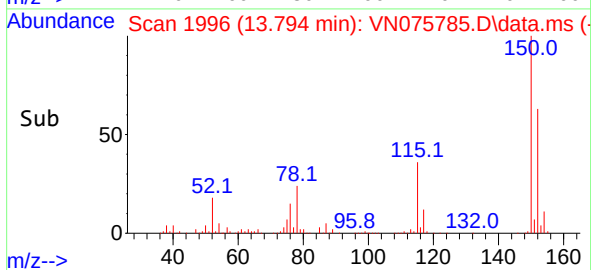
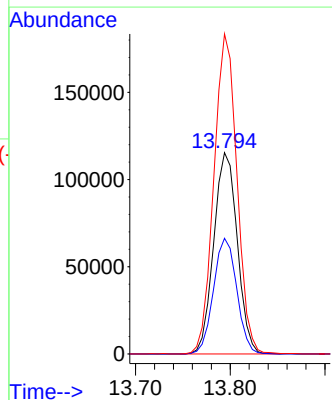
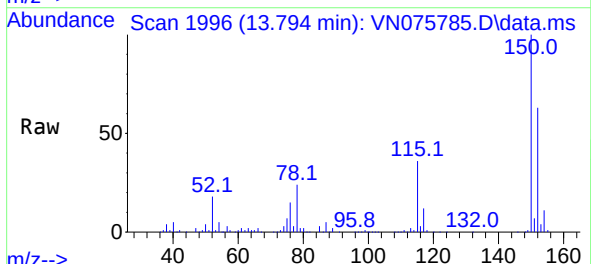
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBL02

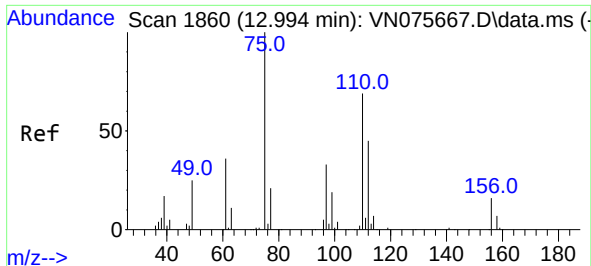
Tgt Ion:173 Resp: 1167  
Ion Ratio Lower Upper  
173 100  
175 871.2 24.3 72.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

Tgt Ion:152 Resp: 199417  
Ion Ratio Lower Upper  
152 100  
115 56.8 29.1 87.4  
150 155.8 0.0 347.0

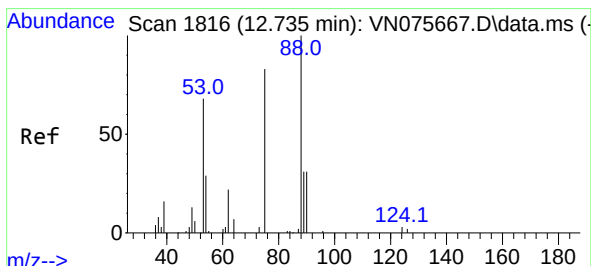
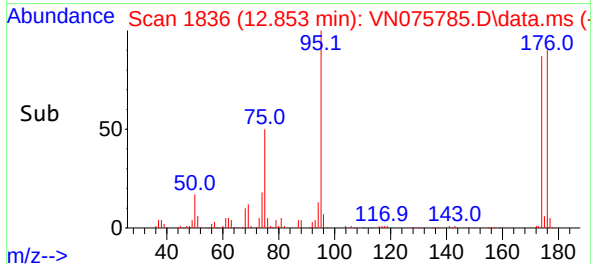
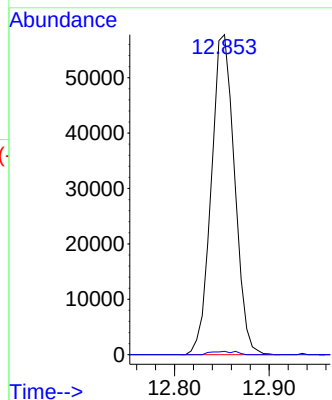
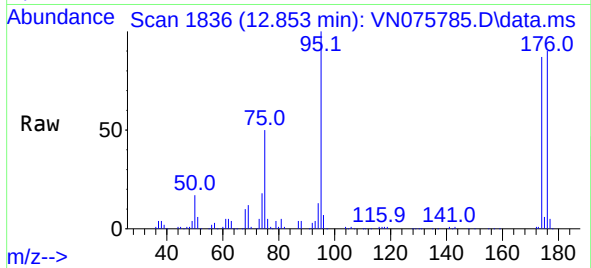




#76  
1,2,3-Trichloropropane  
Concen: 24.520 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

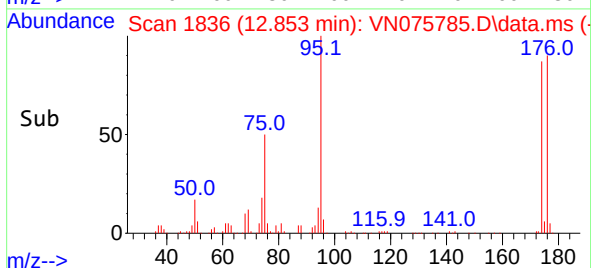
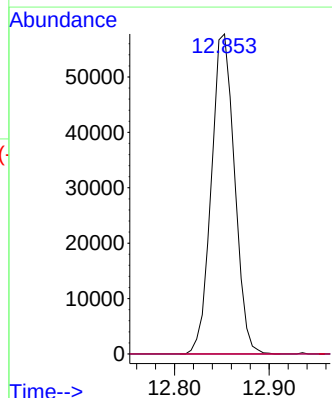
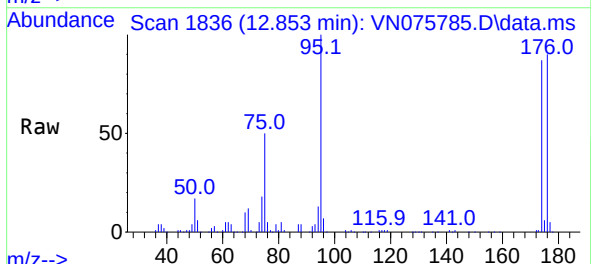
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBL02

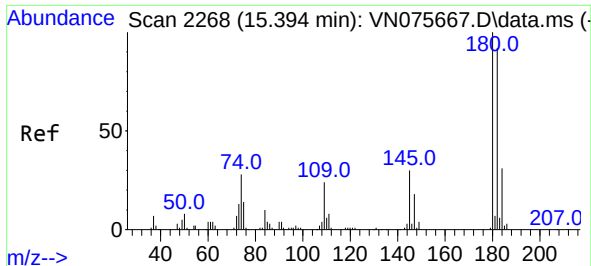
Tgt Ion: 75 Resp: 98565  
Ion Ratio Lower Upper  
75 100  
77 1.1 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.260 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.112 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

Tgt Ion: 75 Resp: 98565  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.8 110.6#  
89 0.0 39.5 59.3#

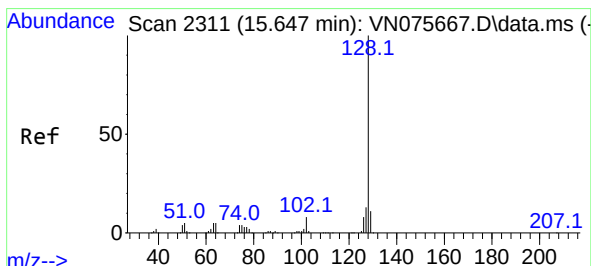
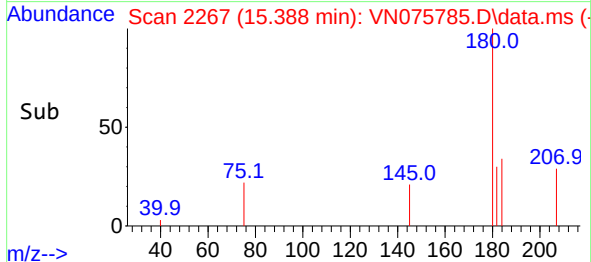
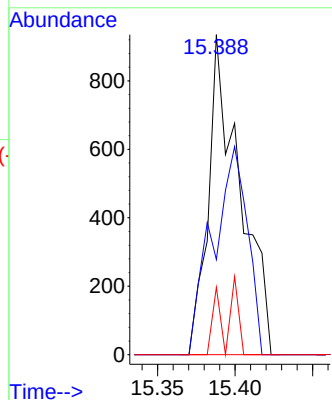
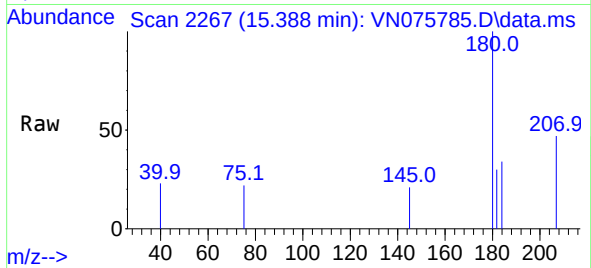




#93  
1,2,4-Trichlorobenzene  
Concen: 0.401 ug/l  
RT: 15.388 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

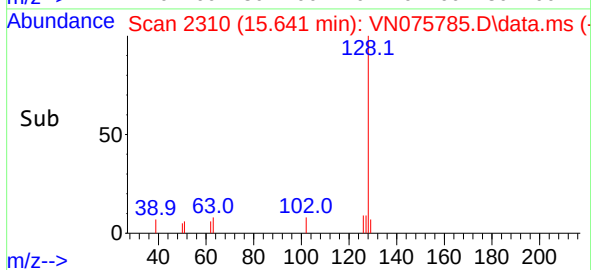
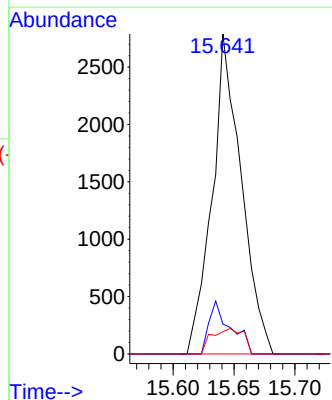
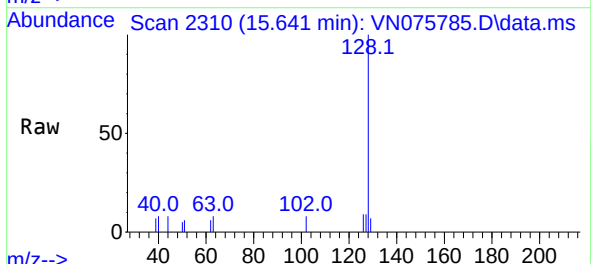
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBL02

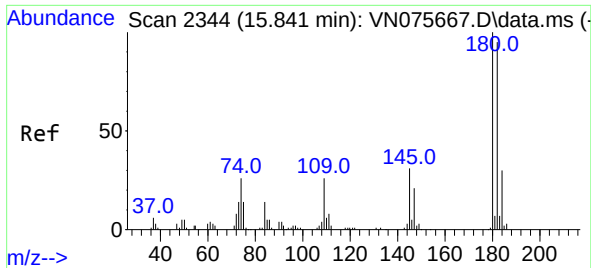
Tgt Ion:180 Resp: 1318  
Ion Ratio Lower Upper  
180 100  
182 71.6 47.5 142.5  
145 5.2 15.3 45.8#



#95  
Naphthalene  
Concen: 2.587 ug/l  
RT: 15.641 min Scan# 2310  
Delta R.T. -0.000 min  
Lab File: VN075785.D  
Acq: 14 Dec 2022 23:16

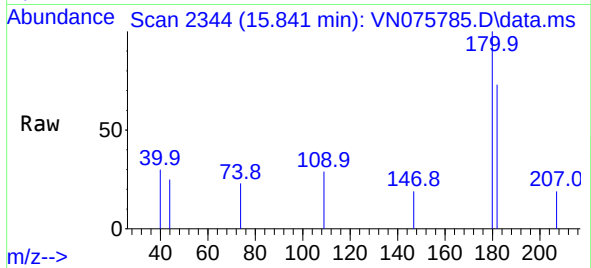
Tgt Ion:128 Resp: 4645  
Ion Ratio Lower Upper  
128 100  
127 12.1 10.4 15.6  
129 8.6 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.409 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN075785.D  
 Acq: 14 Dec 2022 23:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1214WBL02



Tgt Ion:180 Resp: 1257  
 Ion Ratio Lower Upper  
 180 100  
 182 74.4 47.0 141.0  
 145 0.0 16.0 47.9#

