

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022425\  
 Data File : VN085837.D  
 Acq On : 24 Feb 2025 15:13  
 Operator : JC\MD  
 Sample : Q1405-05RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 24 15:32:43 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 2025  
 Response via : Initial Calibration

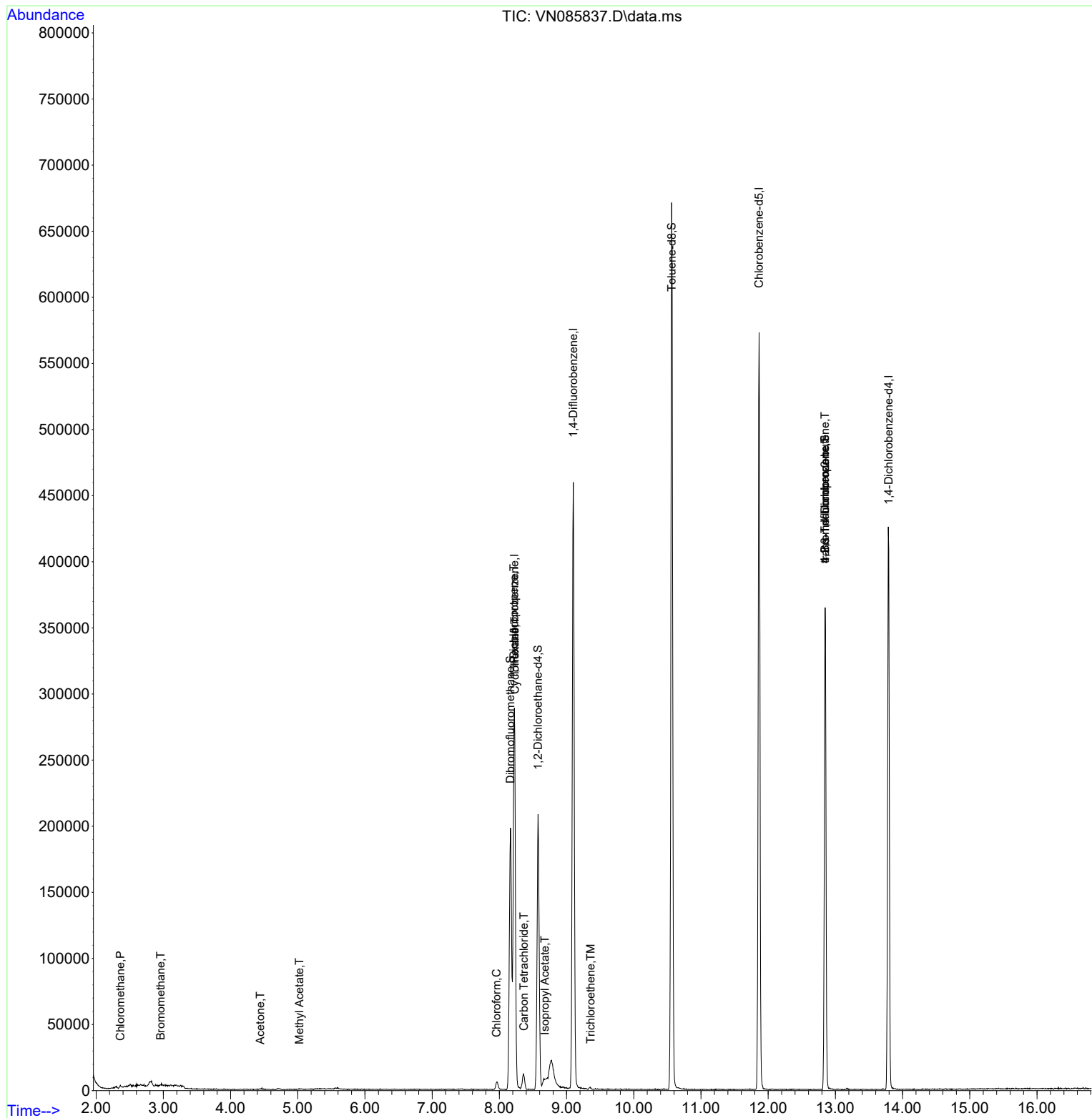
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 211067   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 405232   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 347826   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 123885   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 163651   | 59.80    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 119.60%  |
| 35) Dibromofluoromethane      | 8.165  | 113   | 144371   | 54.45    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 108.90%  |
| 50) Toluene-d8                | 10.565 | 98    | 474083   | 49.14    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 98.28%   |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 130184   | 40.96    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 81.92%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.359  | 50    | 1099     | 0.38     | ug/l   | 98       |
| 5) Bromomethane               | 2.959  | 94    | 458      | 0.23     | ug/l # | 59       |
| 16) Acetone                   | 4.441  | 43    | 733      | 0.85     | ug/l # | 40       |
| 18) Methyl Acetate            | 5.024  | 43    | 890      | 0.30     | ug/l # | 47       |
| 30) Chloroform                | 7.959  | 83    | 6317     | 1.29     | ug/l   | 89       |
| 31) Cyclohexane               | 8.229  | 56    | 4497     | 1.15     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.218  | 75    | 17995    | 4.80     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.365  | 117   | 9131     | 2.05     | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.677  | 43    | 6345     | 0.63     | ug/l # | 53       |
| 44) Trichloroethene           | 9.359  | 130   | 614      | 0.21     | ug/l   | 91       |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 64402    | 23.40    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 64402    | 68.28    | ug/l # | 13       |
| -----                         |        |       |          |          |        |          |

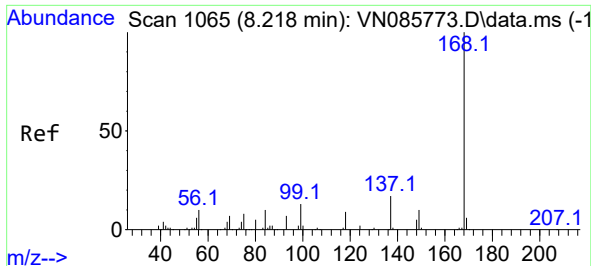
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022425\  
Data File : VN085837.D  
Acq On : 24 Feb 2025 15:13  
Operator : JC\MD  
Sample : Q1405-05RE  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

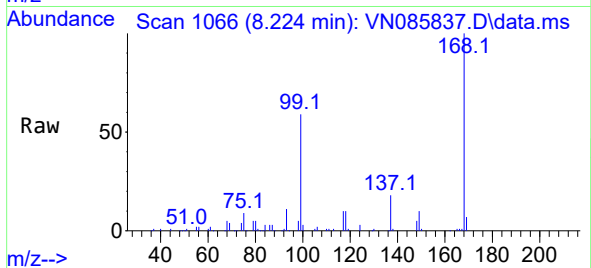
Quant Time: Feb 24 15:32:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:43:32 2025  
Response via : Initial Calibration



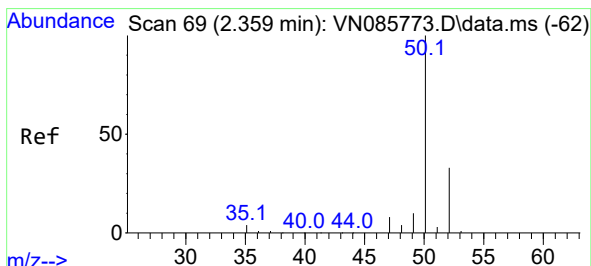
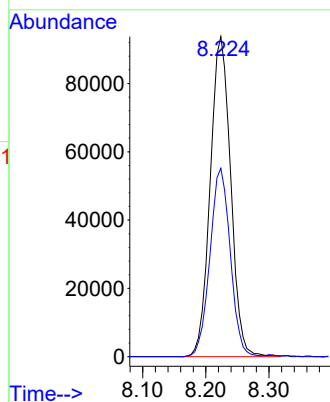
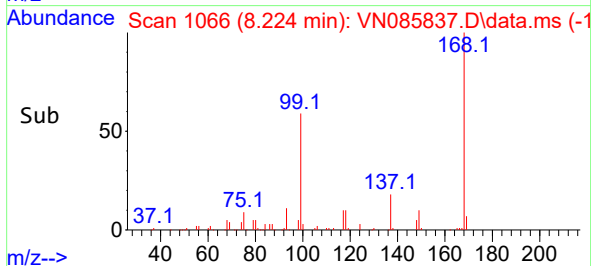


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 8.224 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

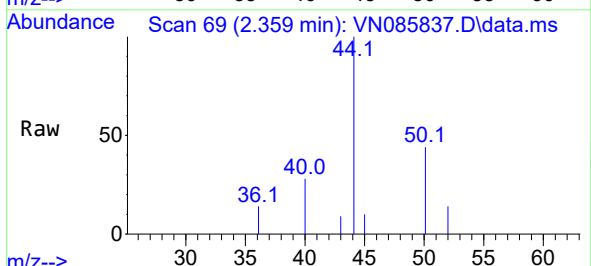
Instrument :  
MSVOA\_X  
ClientSampleId :



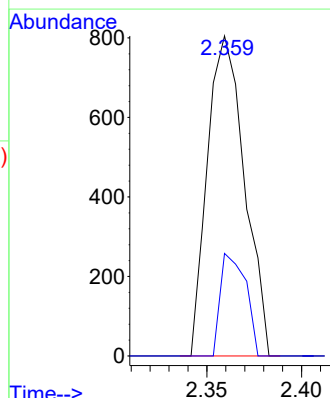
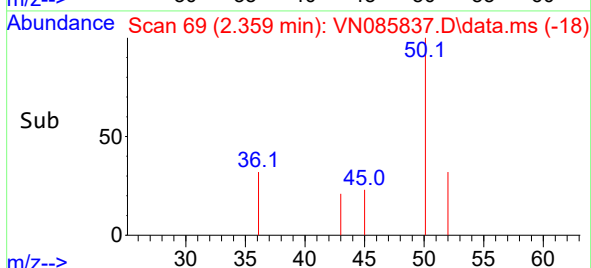
Tgt Ion:168 Resp: 211067  
Ion Ratio Lower Upper  
168 100  
99 58.9 47.9 71.9

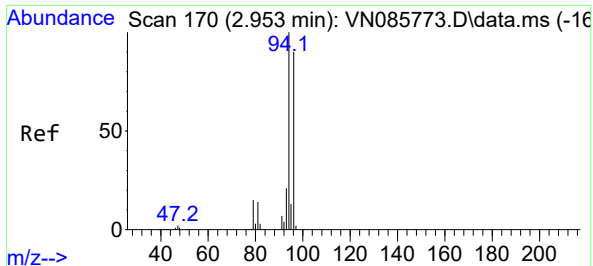


#3  
Chloromethane  
Concen: 0.38 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13



Tgt Ion: 50 Resp: 1099  
Ion Ratio Lower Upper  
50 100  
52 32.0 26.7 40.1

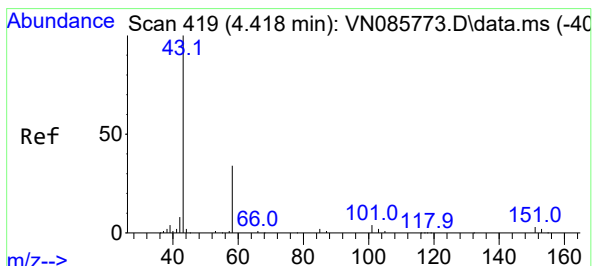
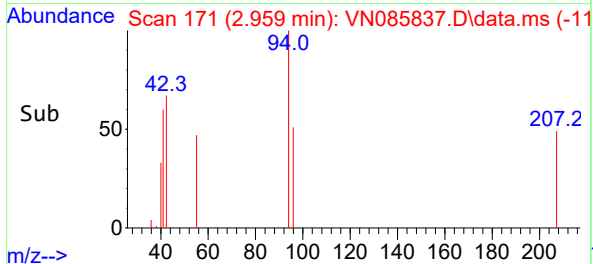
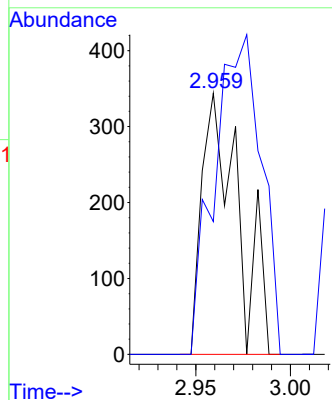
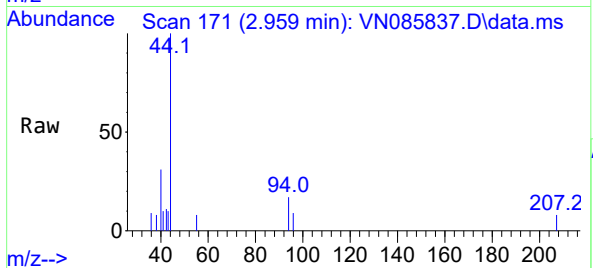




#5  
Bromomethane  
Concen: 0.23 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

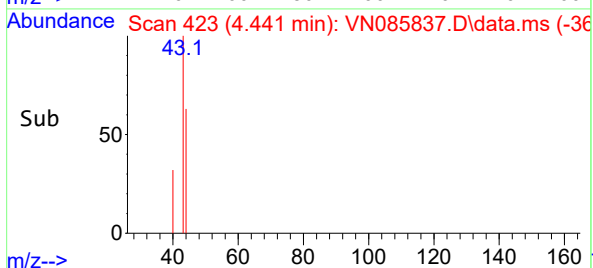
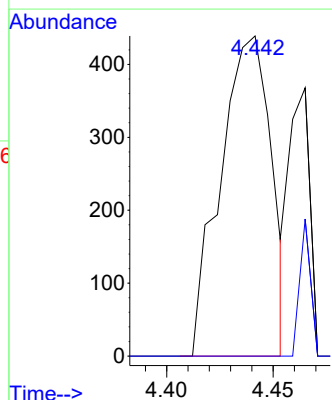
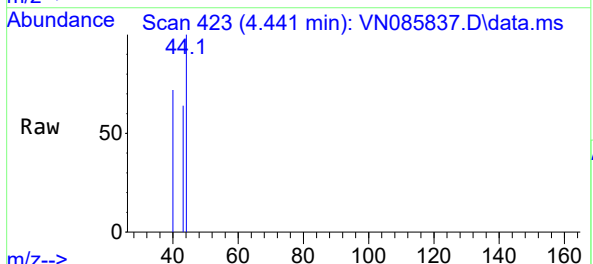
Instrument :  
MSVOA\_X  
ClientSampleId :

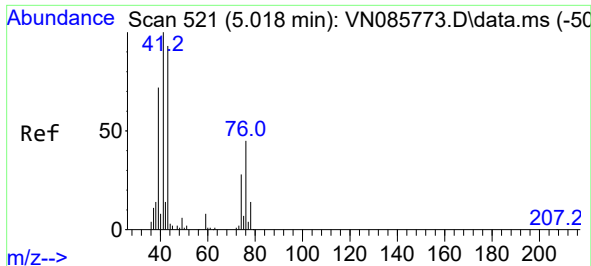
Tgt Ion: 94 Resp: 458  
Ion Ratio Lower Upper  
94 100  
96 50.9 71.7 107.5#



#16  
Acetone  
Concen: 0.85 ug/l  
RT: 4.441 min Scan# 423  
Delta R.T. 0.023 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Tgt Ion: 43 Resp: 733  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.5 41.3#





#18

Methyl Acetate

Concen: 0.30 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

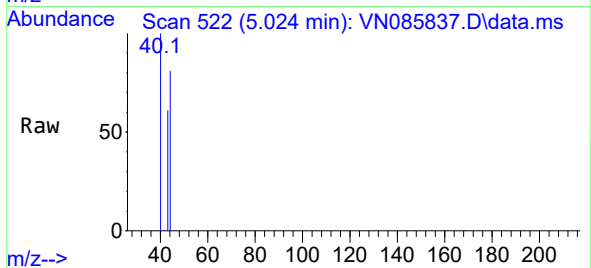
Lab File: VN085837.D

Acq: 24 Feb 2025 15:13

Instrument :

MSVOA\_X

ClientSampleId :

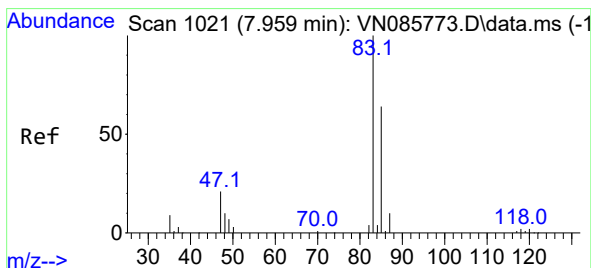
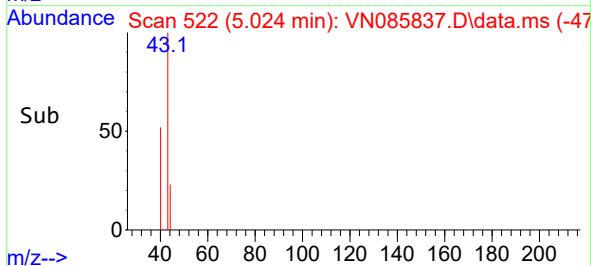
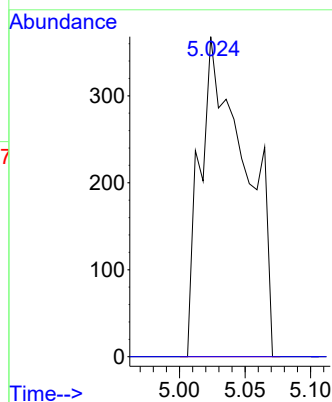


Tgt Ion: 43 Resp: 890

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#



#30

Chloroform

Concen: 1.29 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085837.D

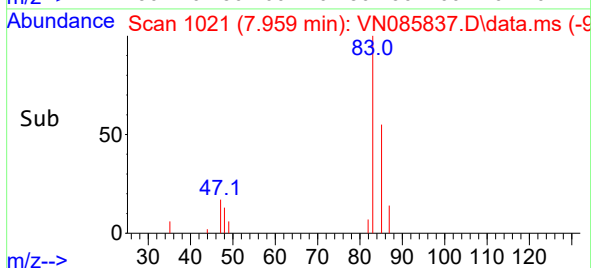
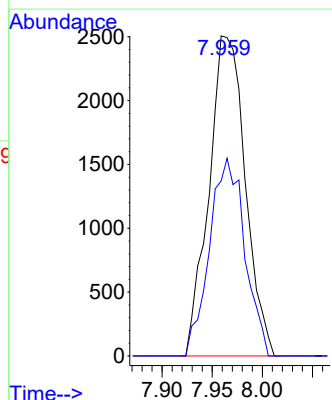
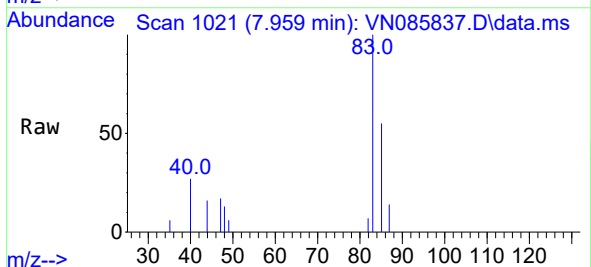
Acq: 24 Feb 2025 15:13

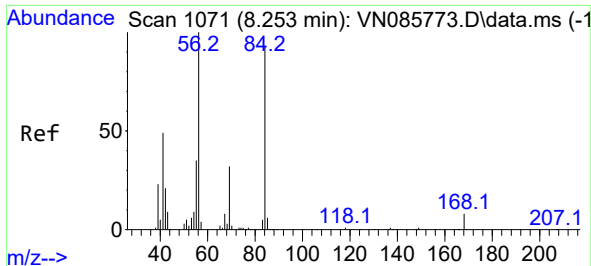
Tgt Ion: 83 Resp: 6317

Ion Ratio Lower Upper

83 100

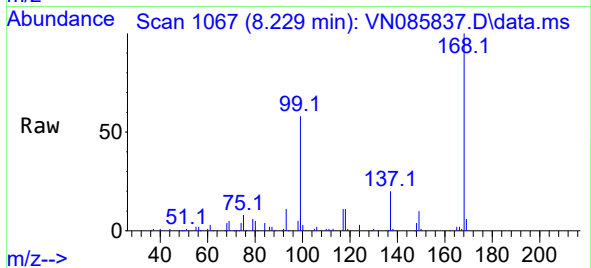
85 54.7 50.9 76.3



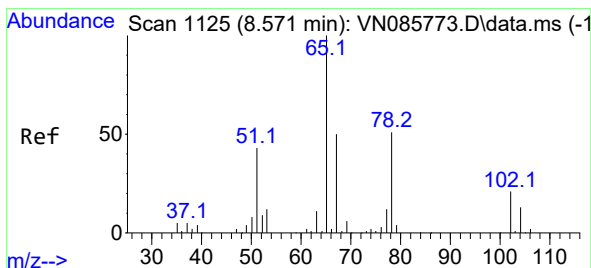
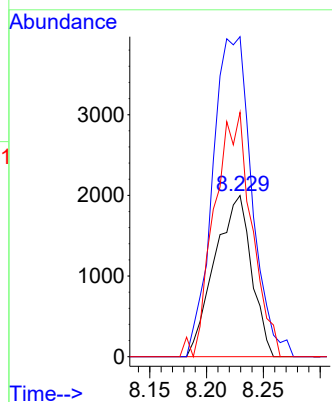
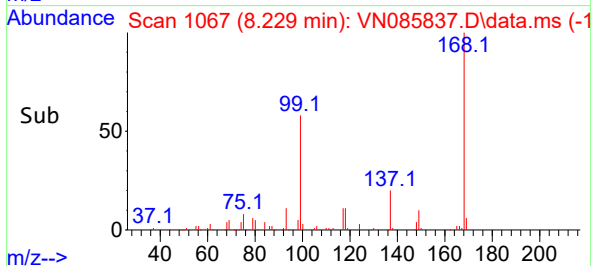


#31  
Cyclohexane  
Concen: 1.15 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.024 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Instrument :  
MSVOA\_X  
ClientSampleId :

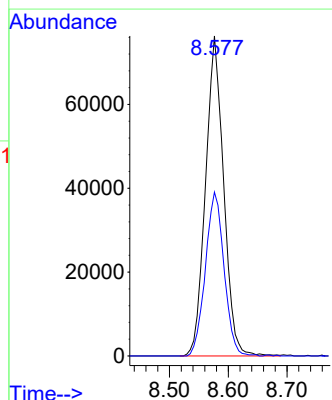
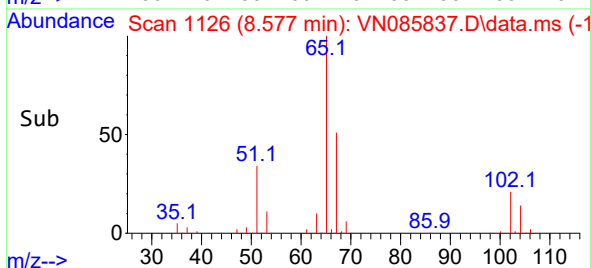
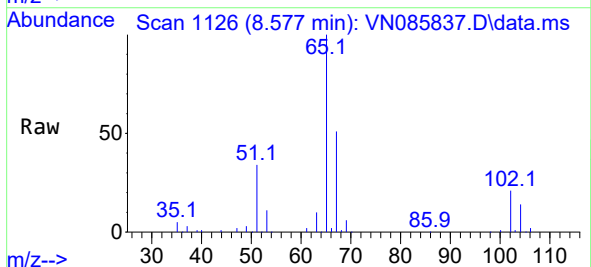


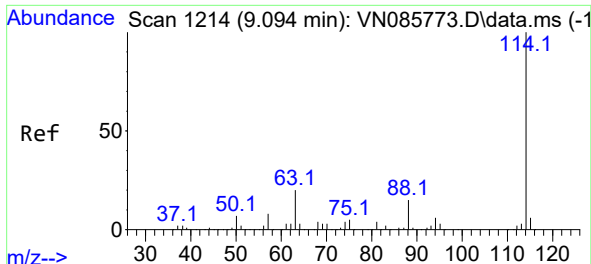
Tgt Ion: 56 Resp: 4497  
Ion Ratio Lower Upper  
56 100  
69 198.5 25.8 38.6#  
84 151.6 74.5 111.7#



#33  
1,2-Dichloroethane-d4  
Concen: 59.80 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Tgt Ion: 65 Resp: 163651  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 106.2

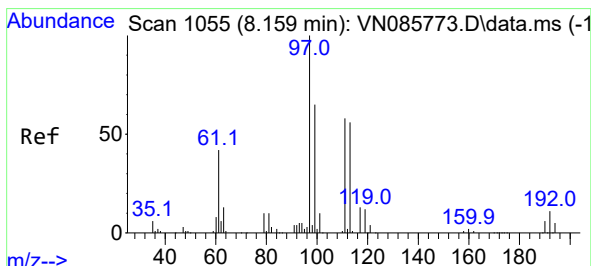
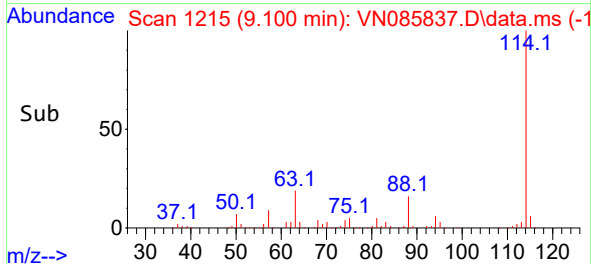
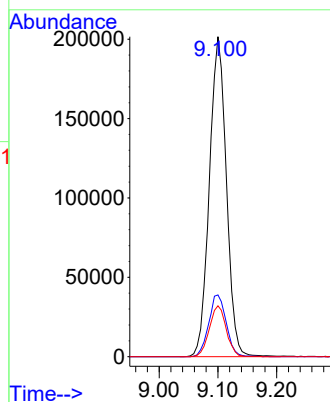
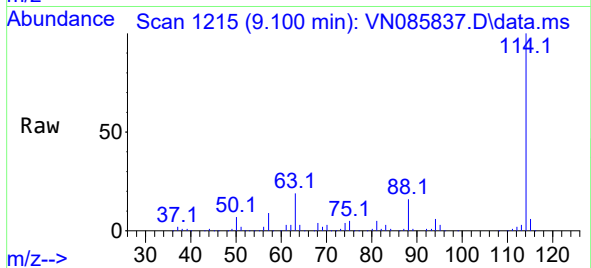




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

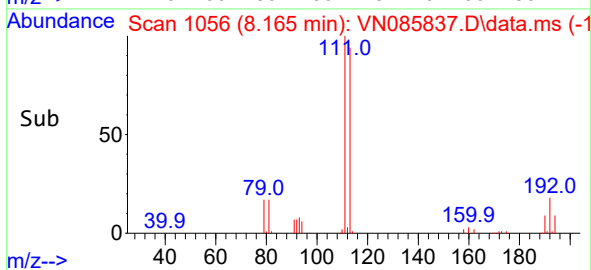
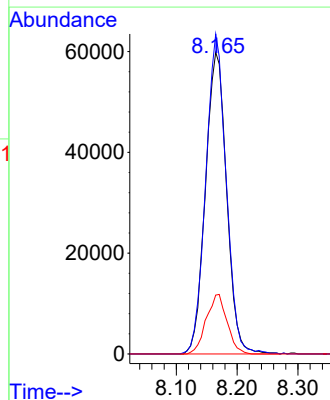
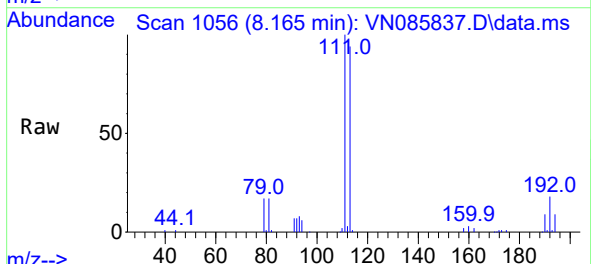
Instrument :  
MSVOA\_X  
ClientSampleId :

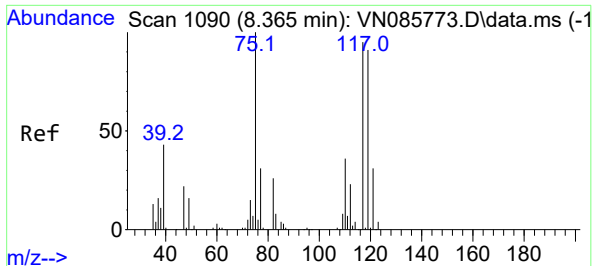
Tgt Ion:114 Resp: 405232  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 39.2  
88 15.9 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 54.45 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

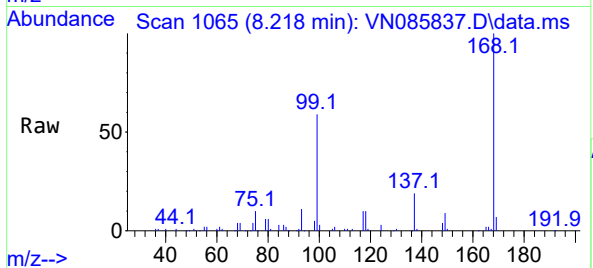
Tgt Ion:113 Resp: 144371  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.4  
192 19.4 14.7 22.1



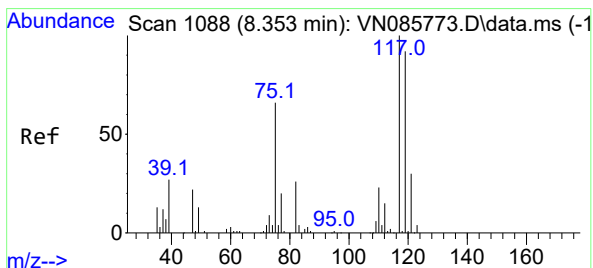
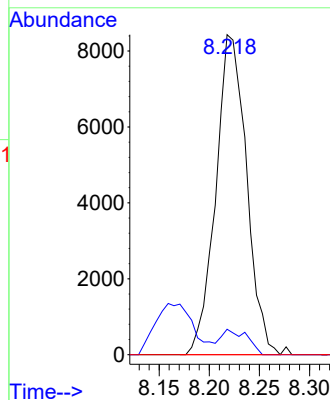
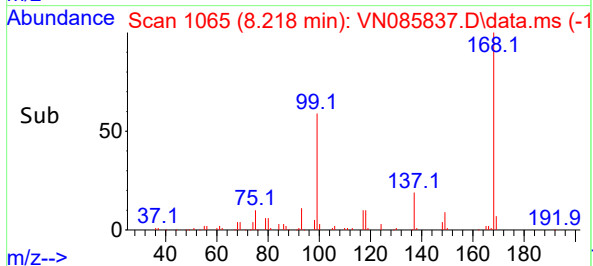


#36  
1,1-Dichloropropene  
Concen: 4.80 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.147 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Instrument :  
MSVOA\_X  
ClientSampleId :

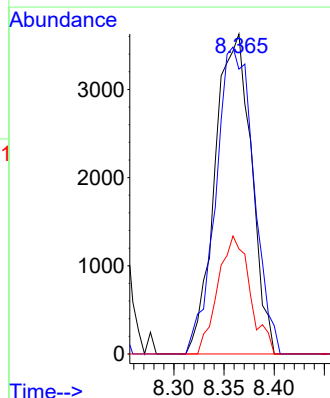
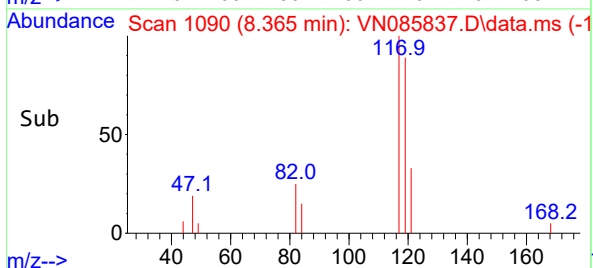
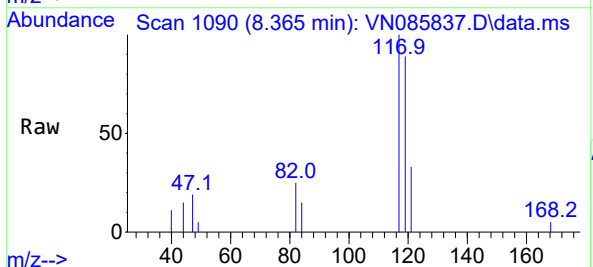


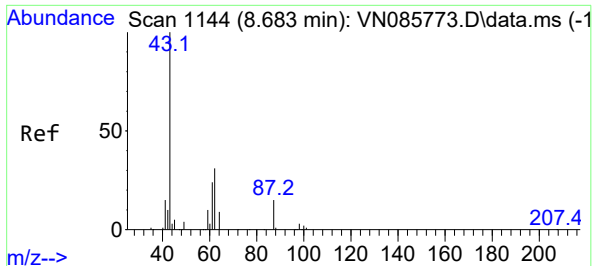
Tgt Ion: 75 Resp: 17995  
Ion Ratio Lower Upper  
75 100  
110 6.6 17.3 52.0#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 2.05 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. 0.012 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Tgt Ion: 117 Resp: 9131  
Ion Ratio Lower Upper  
117 100  
119 89.0 73.8 110.6  
121 32.9 24.3 36.5





#43

Isopropyl Acetate

Concen: 0.63 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.006 min

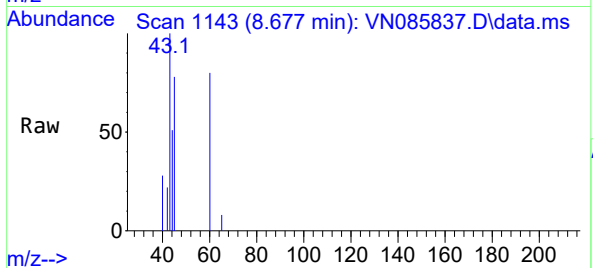
Lab File: VN085837.D

Acq: 24 Feb 2025 15:13

Instrument :

MSVOA\_X

ClientSampleId :



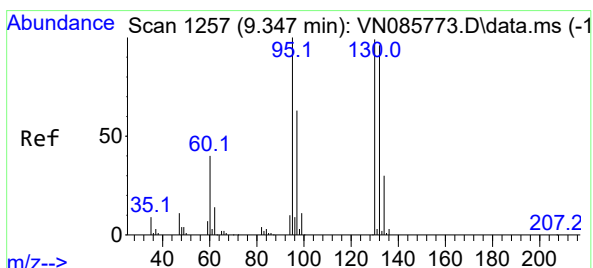
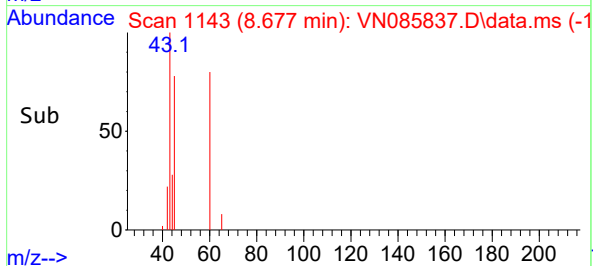
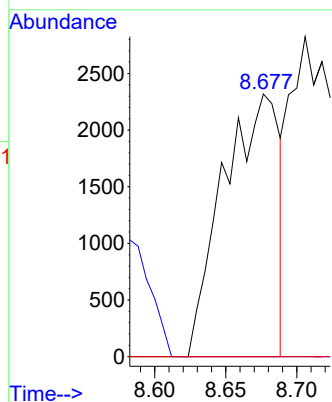
Tgt Ion: 43 Resp: 6345

Ion Ratio Lower Upper

43 100

61 0.0 22.6 34.0#

87 0.0 11.8 17.8#



#44

Trichloroethene

Concen: 0.21 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.012 min

Lab File: VN085837.D

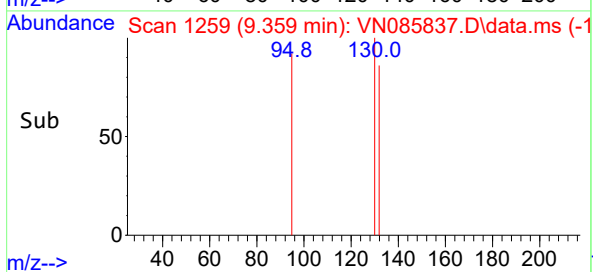
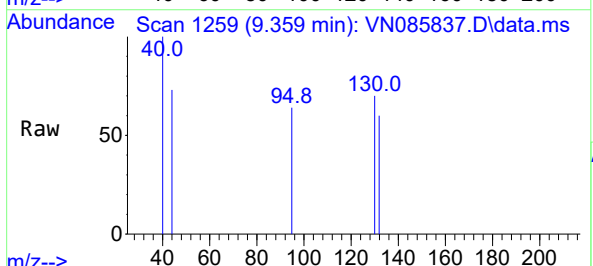
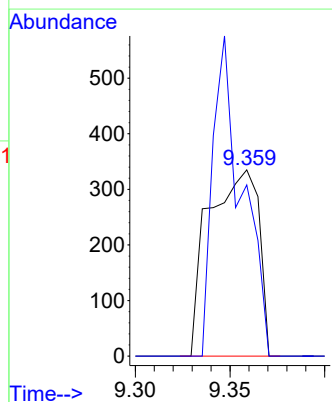
Acq: 24 Feb 2025 15:13

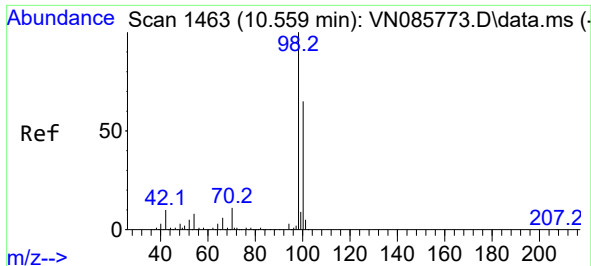
Tgt Ion:130 Resp: 614

Ion Ratio Lower Upper

130 100

95 91.9 0.0 202.6

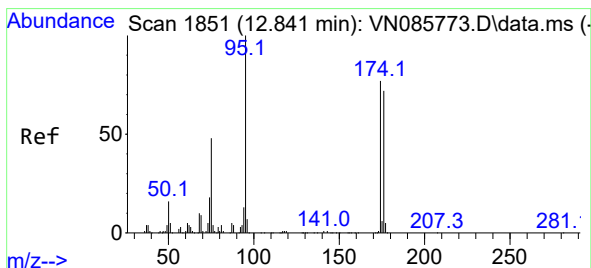
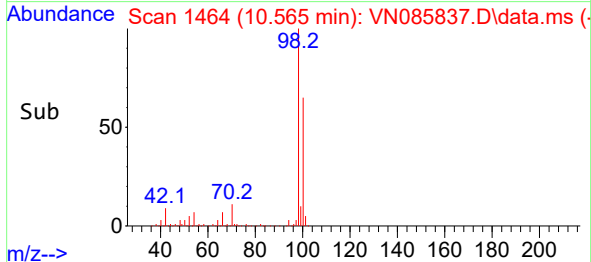
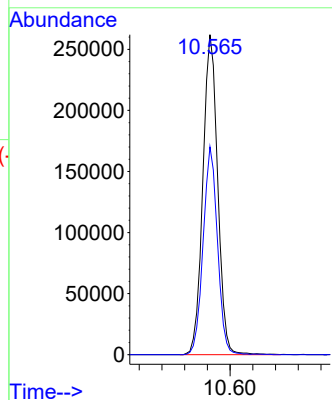
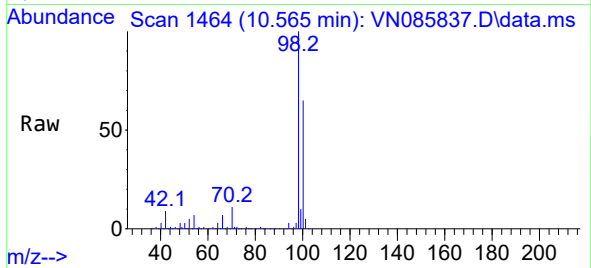




#50  
Toluene-d8  
Concen: 49.14 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

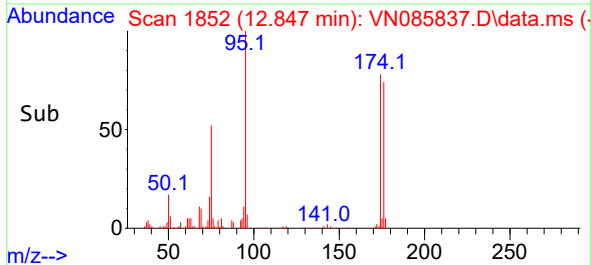
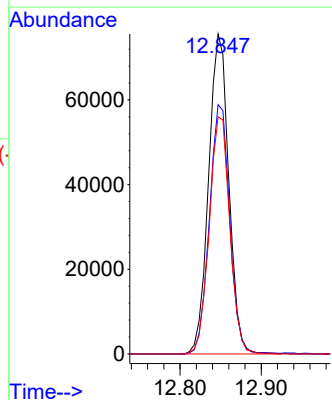
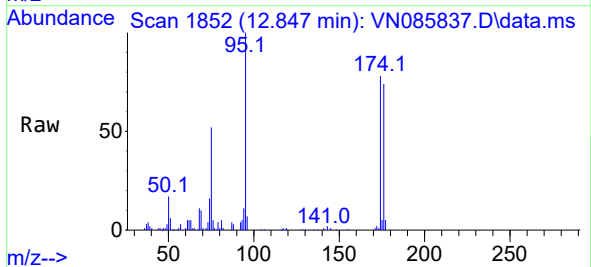
Instrument :  
MSVOA\_X  
ClientSampleId :

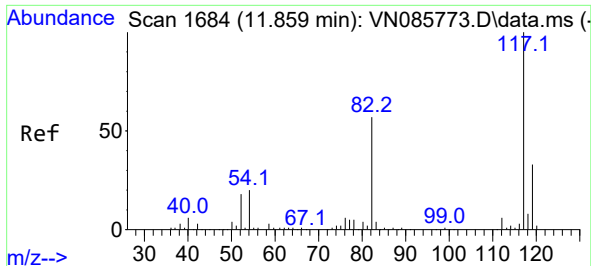
Tgt Ion: 98 Resp: 474083  
Ion Ratio Lower Upper  
98 100  
100 62.9 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 40.96 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Tgt Ion: 95 Resp: 130184  
Ion Ratio Lower Upper  
95 100  
174 78.6 0.0 152.4  
176 75.3 0.0 146.6

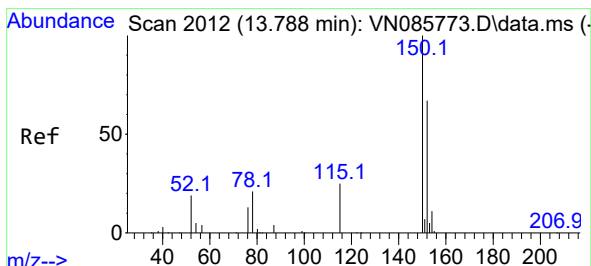
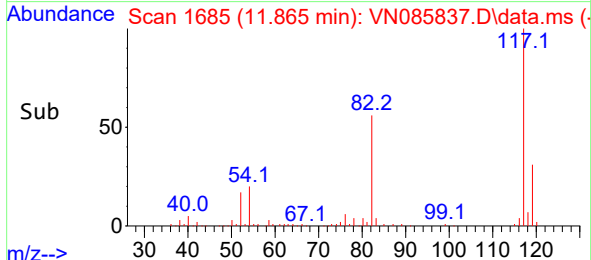
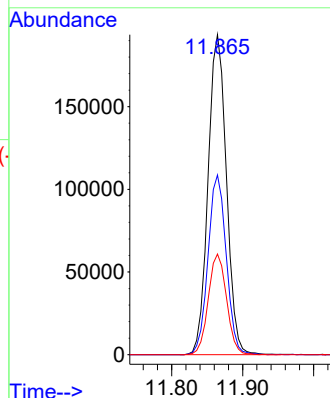
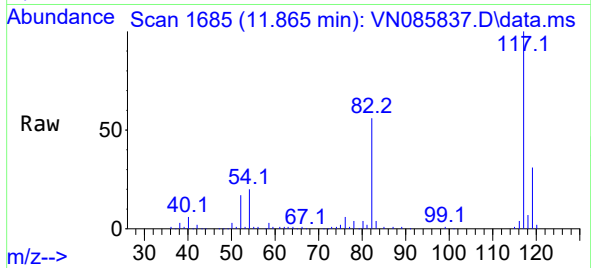




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

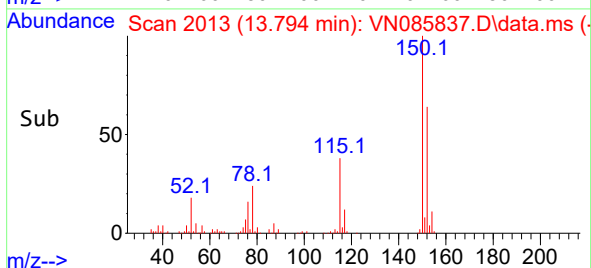
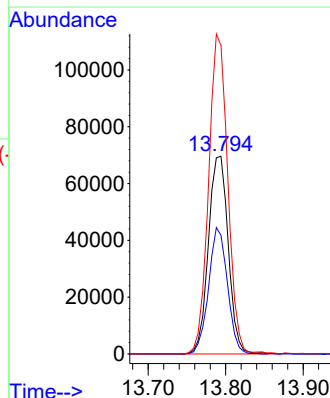
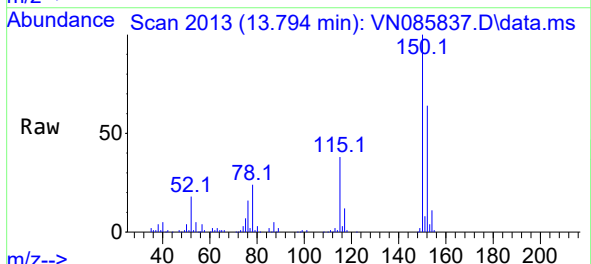
Instrument :  
MSVOA\_X  
ClientSampleId :

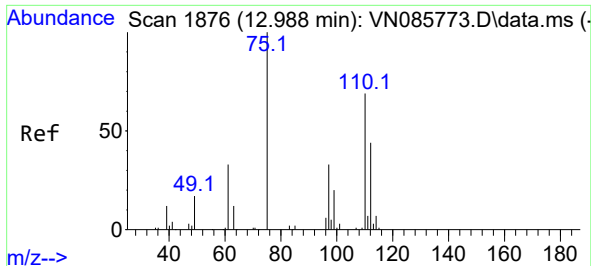
Tgt Ion:117 Resp: 347826  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.7 68.5  
119 31.4 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Tgt Ion:152 Resp: 123885  
Ion Ratio Lower Upper  
152 100  
115 60.6 30.4 91.3  
150 156.1 0.0 345.4

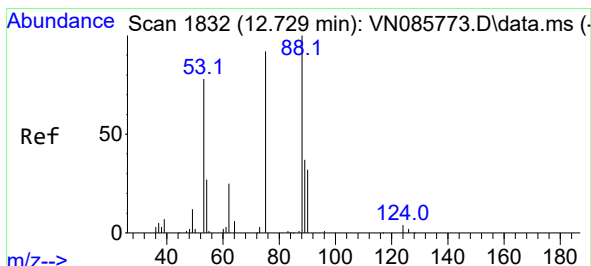
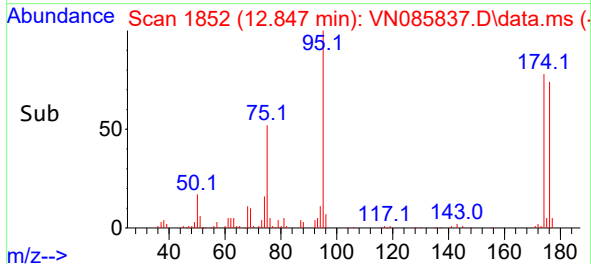
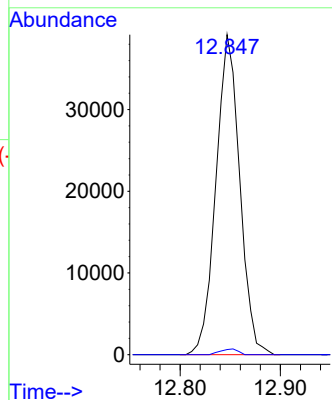
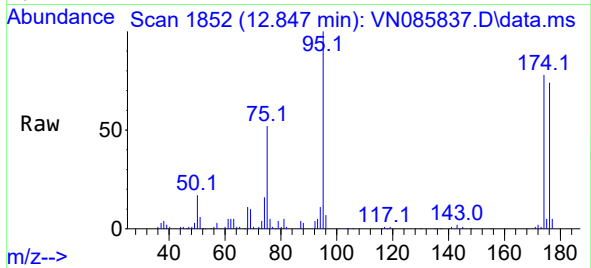




#76  
1,2,3-Trichloropropane  
Concen: 23.40 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 64402  
Ion Ratio Lower Upper  
75 100  
77 1.3 100.0 300.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.28 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.118 min  
Lab File: VN085837.D  
Acq: 24 Feb 2025 15:13

Tgt Ion: 75 Resp: 64402  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.2 111.4#  
89 0.0 34.9 52.3#

