

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022525\  
 Data File : VN085859.D  
 Acq On : 25 Feb 2025 16:15  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Feb 25 23:41:37 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

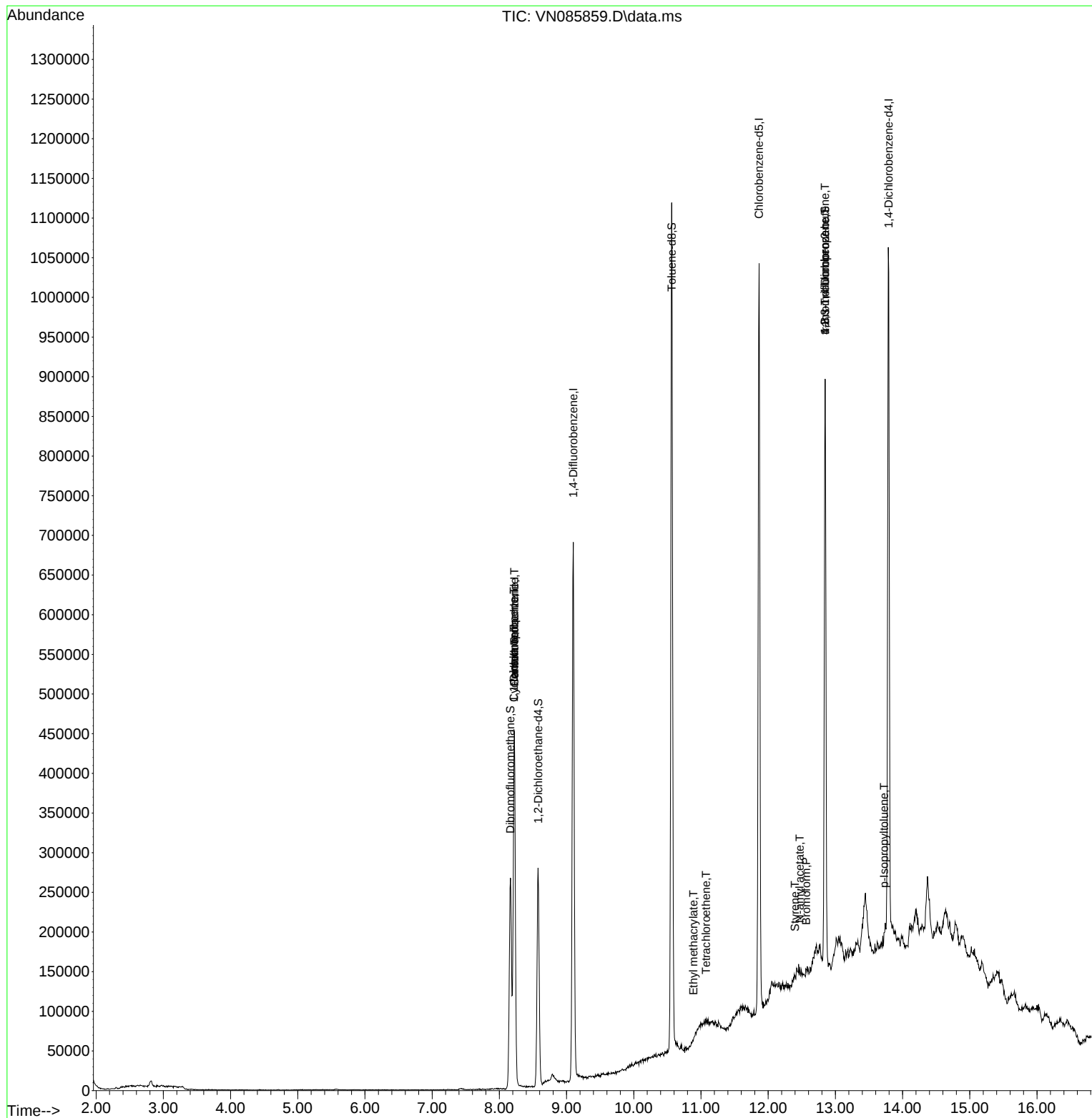
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 327904   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 601038   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 562501   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 248534   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 224263   | 52.753    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 105.500% |          |
| 35) Dibromofluoromethane      | 8.165  | 113   | 193234   | 49.133    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 98.260%  |          |
| 50) Toluene-d8                | 10.565 | 98    | 753215   | 52.639    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 105.280% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 275571   | 58.451    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | = 116.900% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 31) Cyclohexane               | 8.218  | 56    | 7339     | 1.209     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.218  | 75    | 25176    | 4.523     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 35135    | 5.312     | ug/l #     | 17       |
| 43) Isopropyl Acetate         | 8.677  | 43    | 2489     | Below Cal | #          | 53       |
| 56) Ethyl methacrylate        | 10.888 | 69    | 258      | 0.508     | ug/l #     | 1        |
| 58) 2-Chloroethyl Vinyl ether | 10.253 | 63    | 179      | Below Cal |            | 95       |
| 64) Tetrachloroethene         | 11.076 | 164   | 1019     | 0.234     | ug/l #     | 40       |
| 70) Styrene                   | 12.400 | 104   | 474      | 0.622     | ug/l #     | 10       |
| 71) Bromoform                 | 12.565 | 173   | 702      | 0.204     | ug/l #     | 1        |
| 74) N-amyl acetate            | 12.470 | 43    | 2114     | 0.352     | ug/l #     | 52       |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 137138   | 24.840    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 137138   | 72.478    | ug/l #     | 13       |
| 86) p-Isopropyltoluene        | 13.723 | 119   | 1256     | 0.714     | ug/l #     | 71       |
| -----                         |        |       |          |           |            |          |

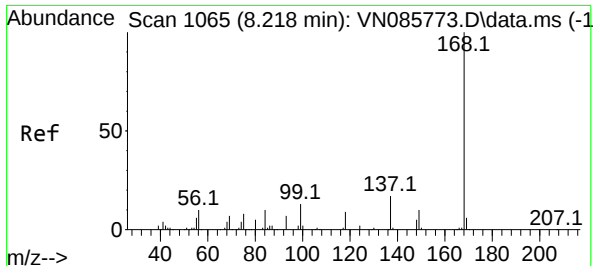
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022525\  
Data File : VN085859.D  
Acq On : 25 Feb 2025 16:15  
Operator : JC\MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Feb 25 23:41:37 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

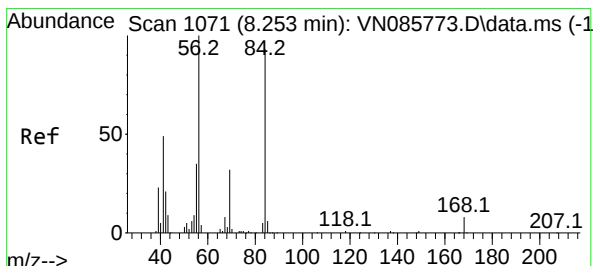
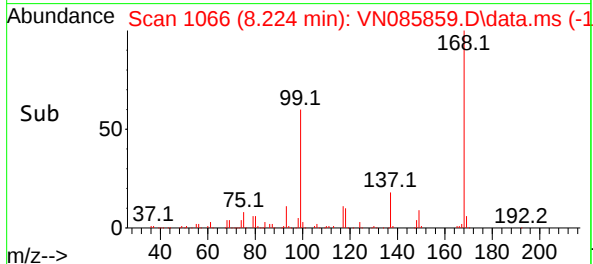
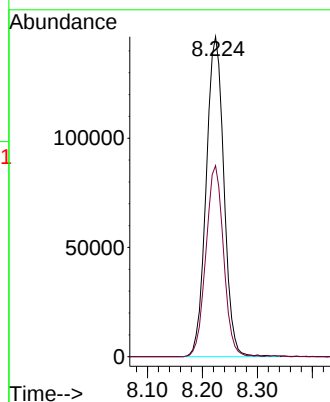
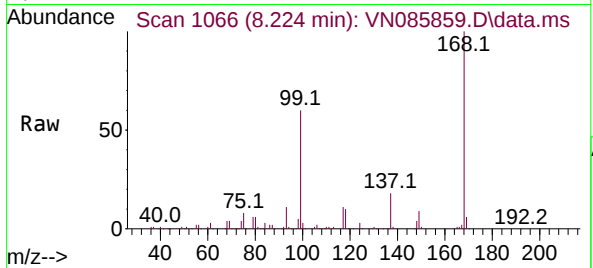




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

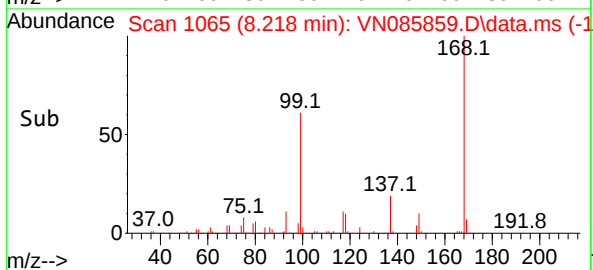
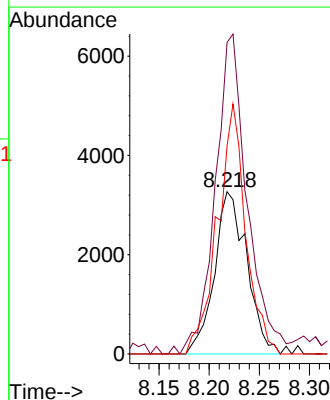
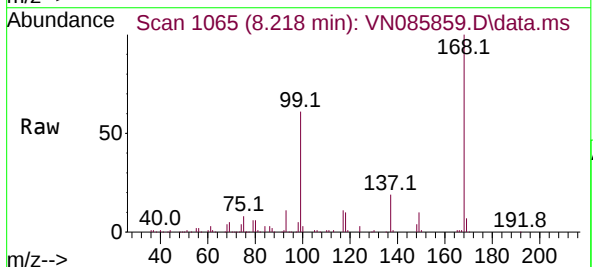
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

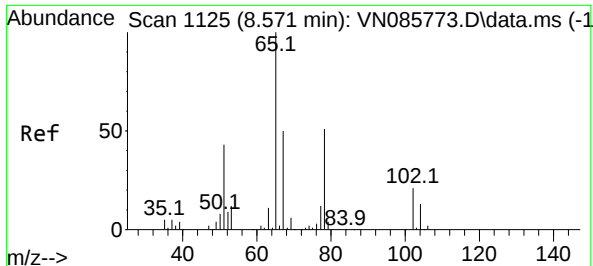
Tgt Ion:168 Resp: 327904  
Ion Ratio Lower Upper  
168 100  
99 59.7 47.9 71.9



#31  
Cyclohexane  
Concen: 1.209 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.035 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

Tgt Ion: 56 Resp: 7339  
Ion Ratio Lower Upper  
56 100  
69 192.0 25.8 38.6#  
84 128.3 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 52.753 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085859.D

Acq: 25 Feb 2025 16:15

Instrument :

MSVOA\_N

ClientSampleId :

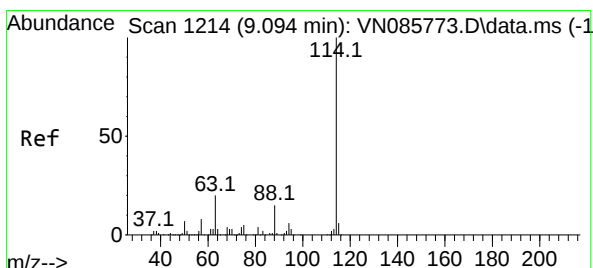
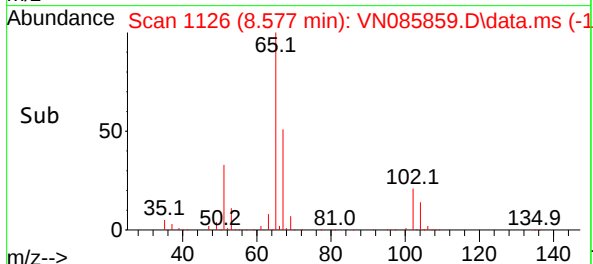
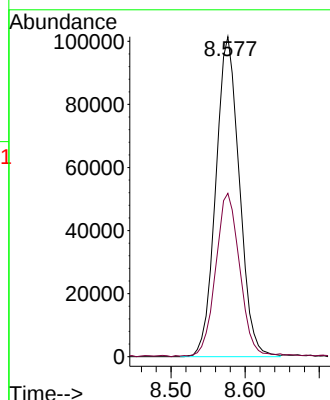
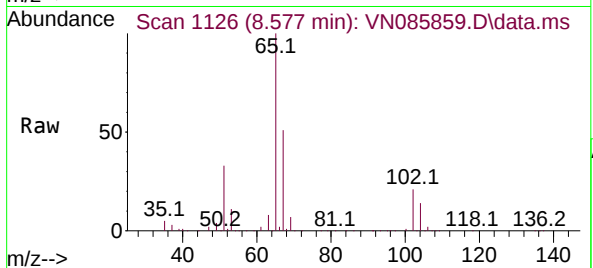
IBLK

Tgt Ion: 65 Resp: 224263

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085859.D

Acq: 25 Feb 2025 16:15

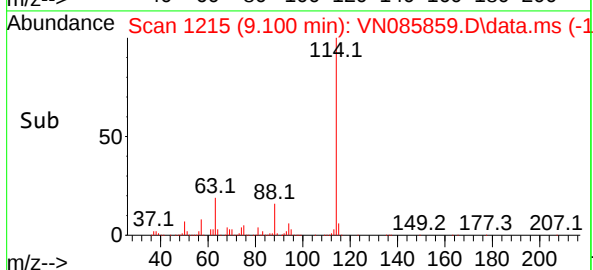
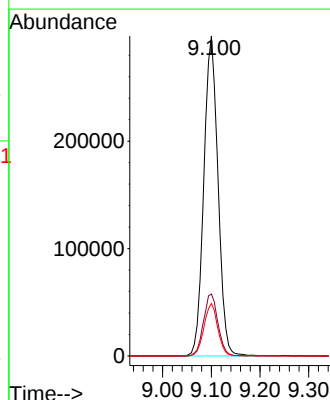
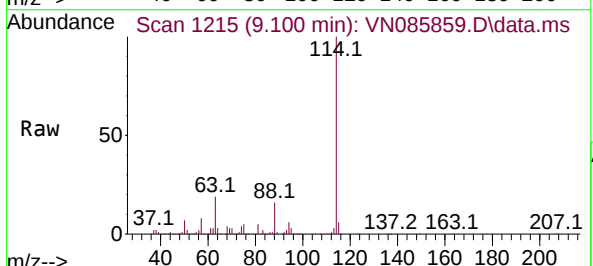
Tgt Ion: 114 Resp: 601038

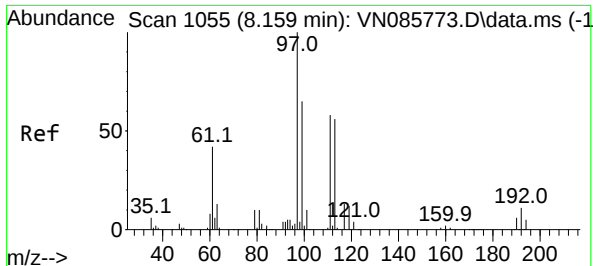
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

88 16.4 0.0 30.0

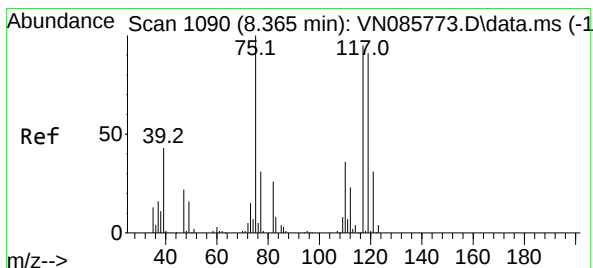
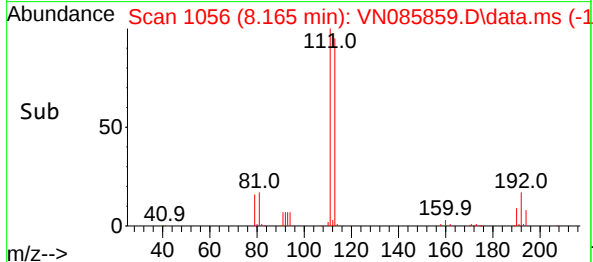
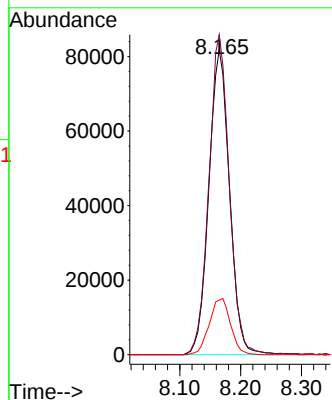
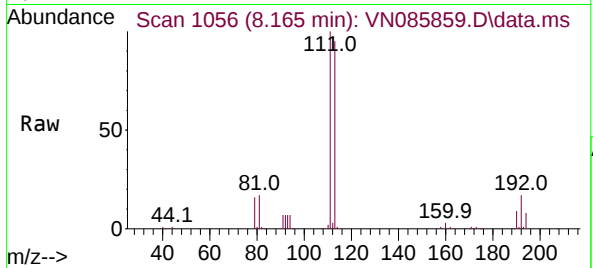




#35  
Dibromofluoromethane  
Concen: 49.133 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

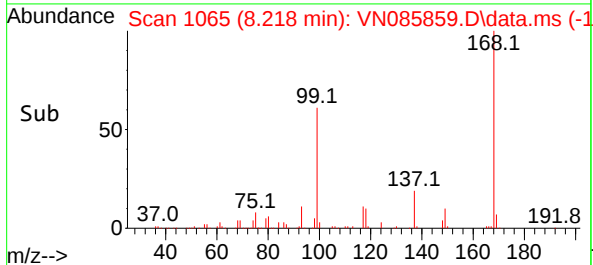
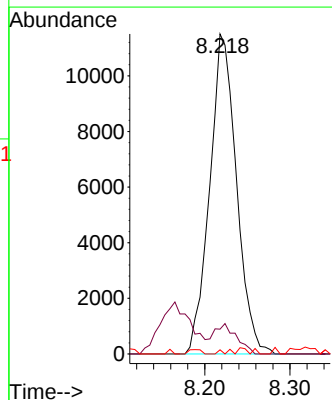
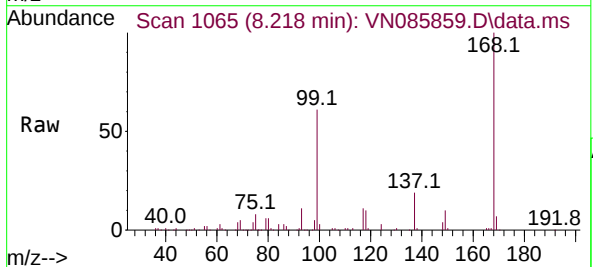
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

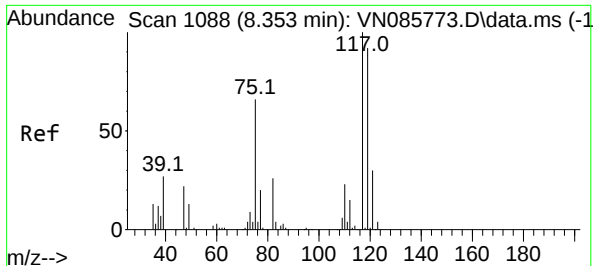
Tgt Ion:113 Resp: 193234  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.4  
192 18.9 14.7 22.1



#36  
1,1-Dichloropropene  
Concen: 4.523 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.147 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

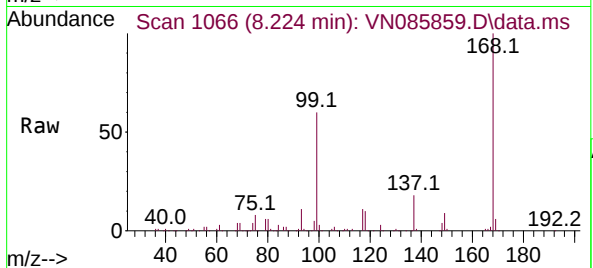
Tgt Ion: 75 Resp: 25176  
Ion Ratio Lower Upper  
75 100  
110 8.2 17.3 52.0#  
77 0.2 24.6 37.0#



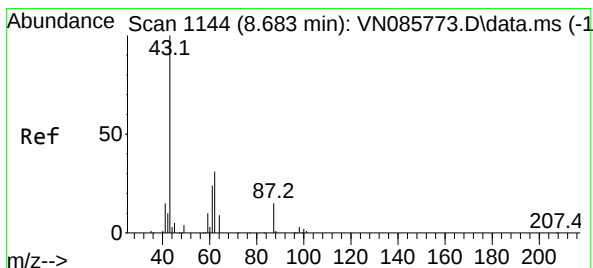
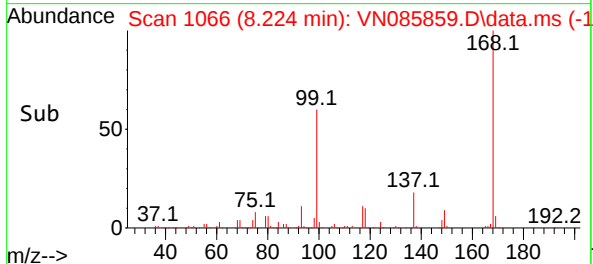
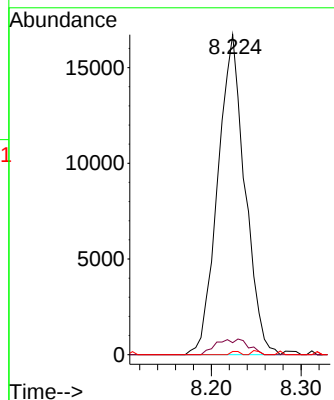


#38  
Carbon Tetrachloride  
Concen: 5.312 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.129 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

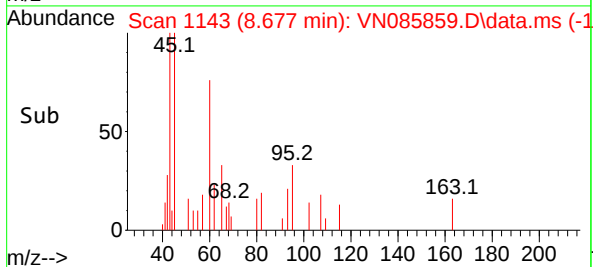
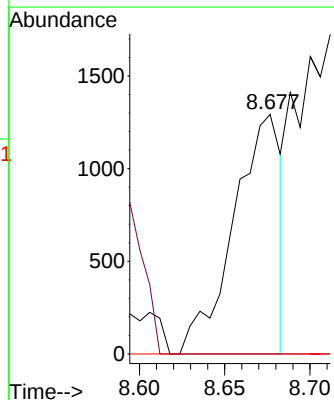
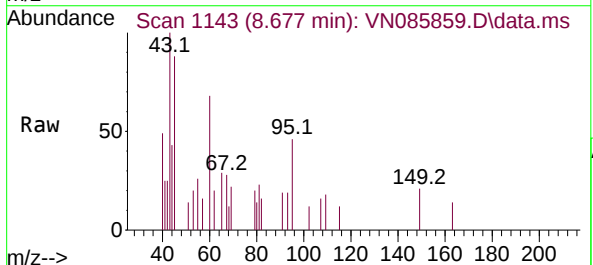


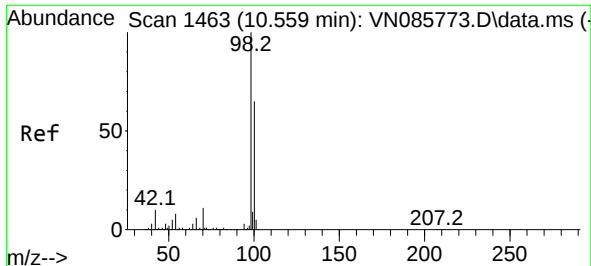
Tgt Ion:117 Resp: 35135  
Ion Ratio Lower Upper  
117 100  
119 3.7 73.8 110.6#  
121 1.0 24.3 36.5#



#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.006 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

Tgt Ion: 43 Resp: 2489  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.6 34.0#  
87 0.0 11.8 17.8#

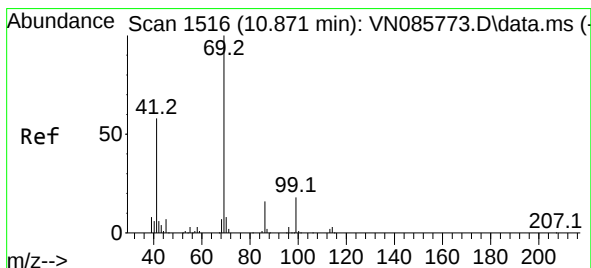
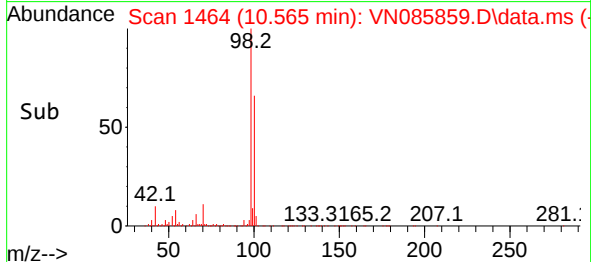
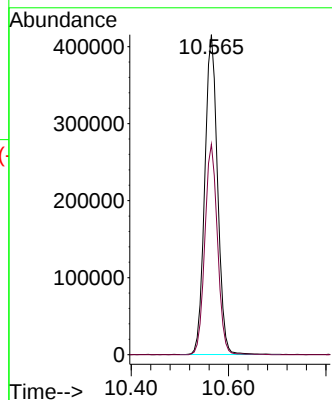
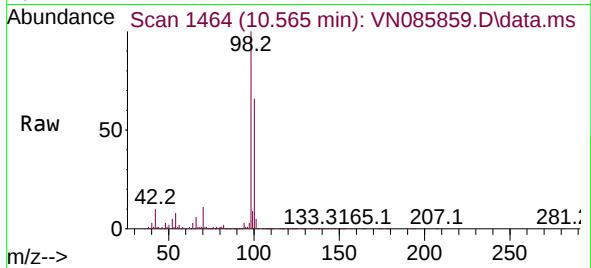




#50  
Toluene-d8  
Concen: 52.639 ug/l  
RT: 10.565 min Scan# 1463  
Delta R.T. 0.006 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

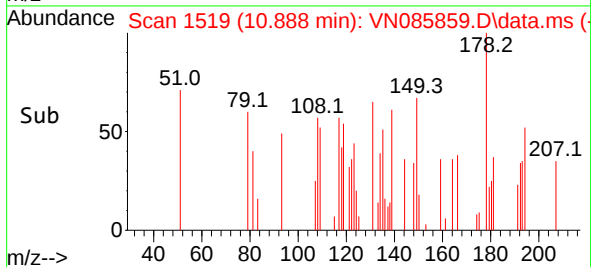
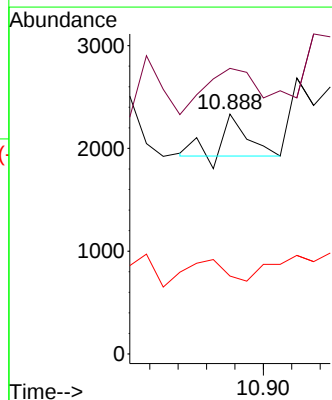
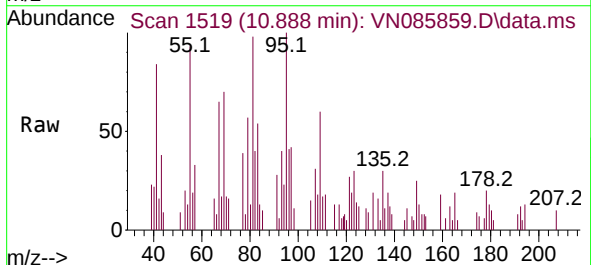
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

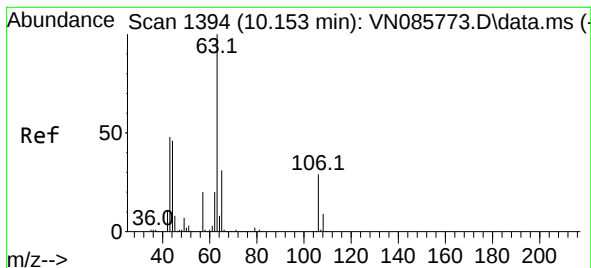
Tgt Ion: 98 Resp: 753215  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.1 78.1



#56  
Ethyl methacrylate  
Concen: 0.508 ug/l  
RT: 10.888 min Scan# 1519  
Delta R.T. 0.017 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

Tgt Ion: 69 Resp: 258  
Ion Ratio Lower Upper  
69 100  
41 213.6 46.0 69.0#  
39 59.7 22.0 33.0#

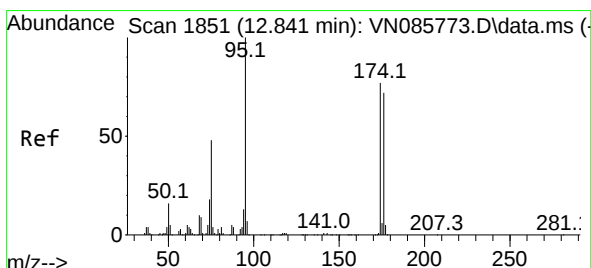
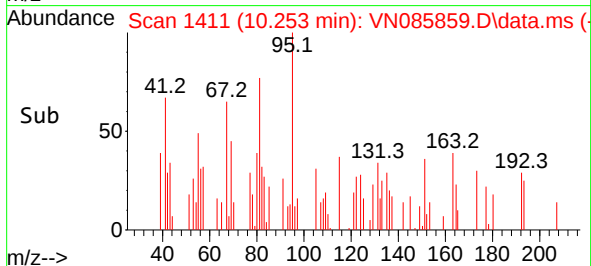
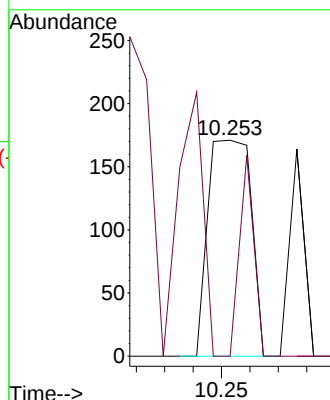
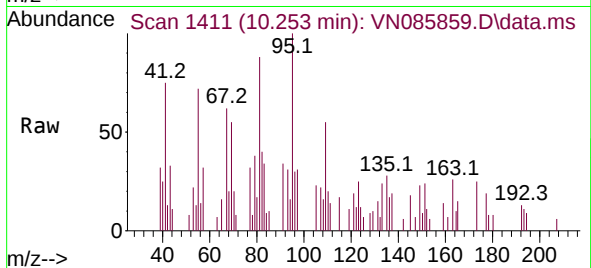




#58  
2-Chloroethyl Vinyl ether  
Concen: Below Cal  
RT: 10.253 min Scan# 1411  
Delta R.T. 0.100 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

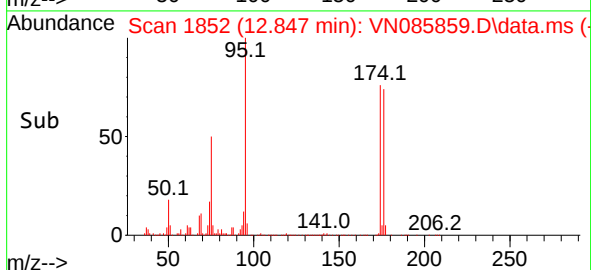
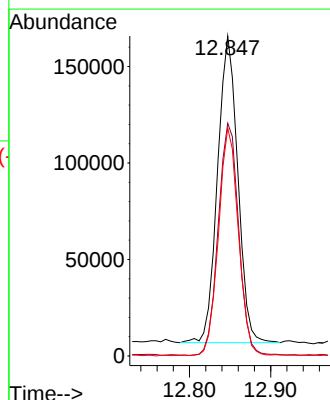
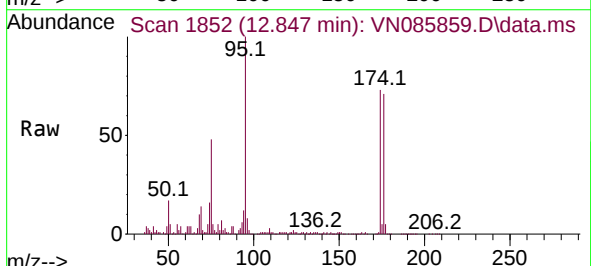
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

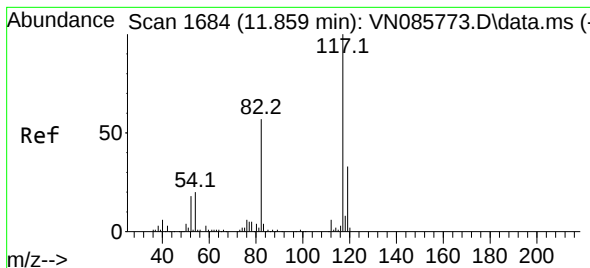
Tgt Ion: 63 Resp: 179  
Ion Ratio Lower Upper  
63 100  
106 31.3 22.7 34.1



#62  
4-Bromofluorobenzene  
Concen: 58.451 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

Tgt Ion: 95 Resp: 275571  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 152.4  
176 72.7 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085859.D

Acq: 25 Feb 2025 16:15

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

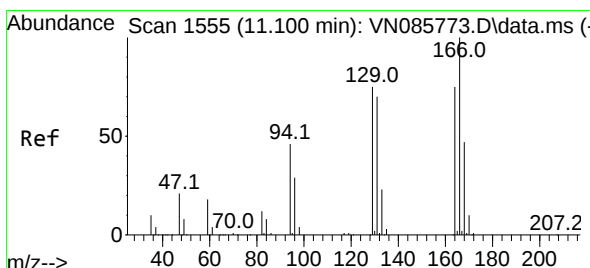
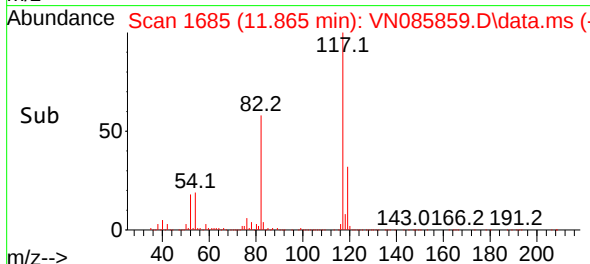
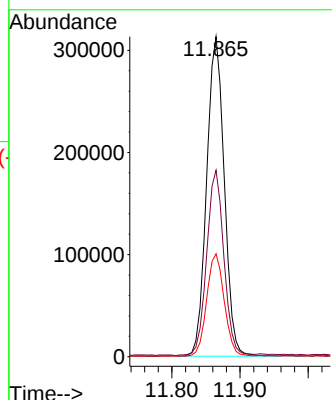
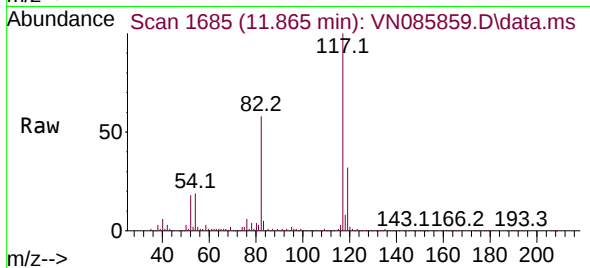
Tgt Ion:117 Resp: 562501

Ion Ratio Lower Upper

117 100

82 57.8 45.7 68.5

119 32.0 26.2 39.2



#64

Tetrachloroethene

Concen: 0.234 ug/l

RT: 11.076 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN085859.D

Acq: 25 Feb 2025 16:15

Tgt Ion:164 Resp: 1019

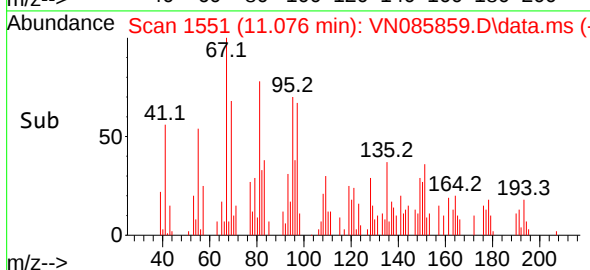
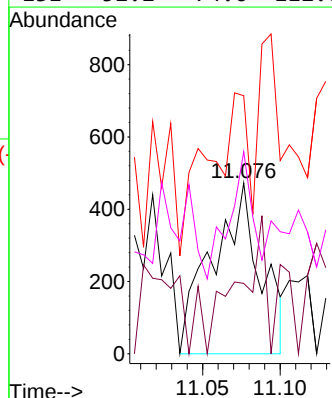
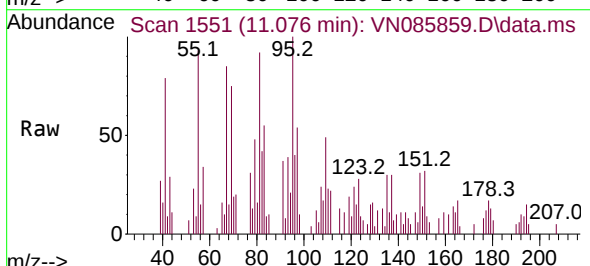
Ion Ratio Lower Upper

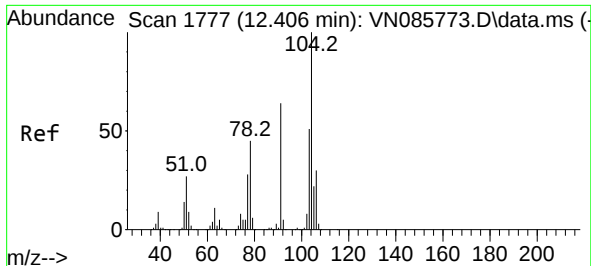
164 100

166 0.0 107.2 160.8#

129 93.7 80.7 121.1

131 52.2 74.6 112.0#

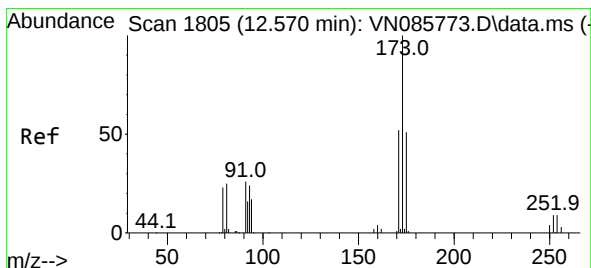
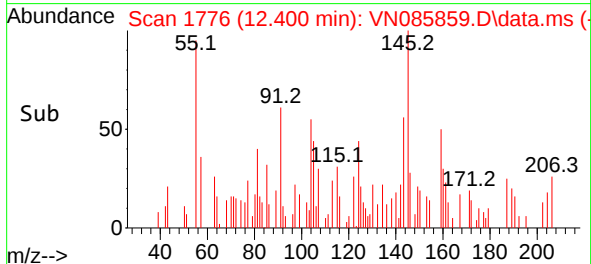
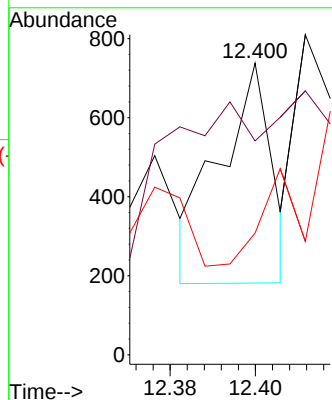
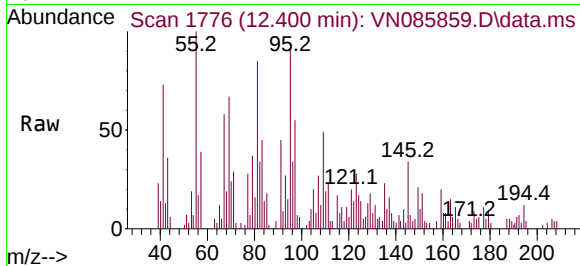




#70  
Styrene  
Concen: 0.622 ug/l  
RT: 12.400 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

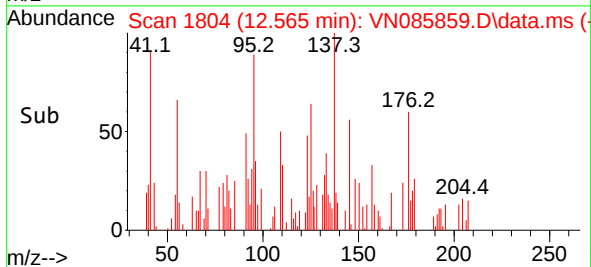
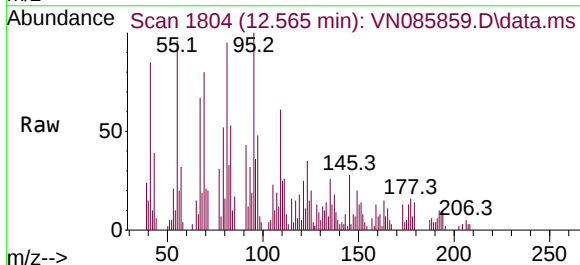
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

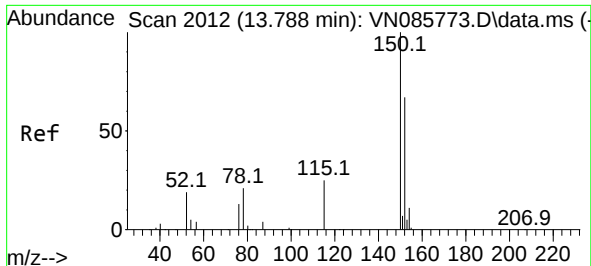
Tgt Ion:104 Resp: 474  
Ion Ratio Lower Upper  
104 100  
78 121.3 39.0 58.6#  
103 0.0 43.3 64.9#



#71  
Bromoform  
Concen: 0.204 ug/l  
RT: 12.565 min Scan# 1804  
Delta R.T. -0.006 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

Tgt Ion:173 Resp: 702  
Ion Ratio Lower Upper  
173 100  
175 162.0 25.1 75.4#  
254 0.0 0.0 0.0

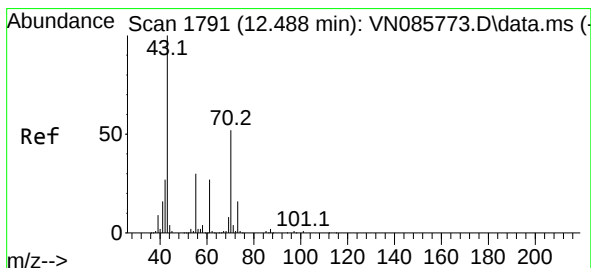
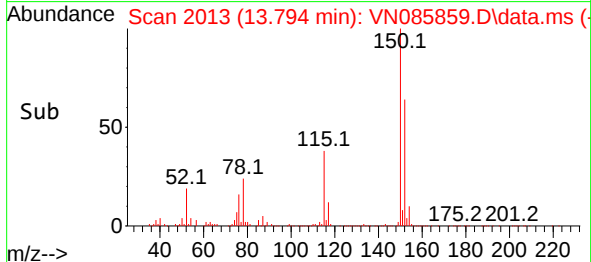
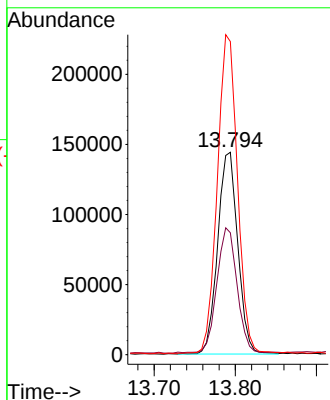
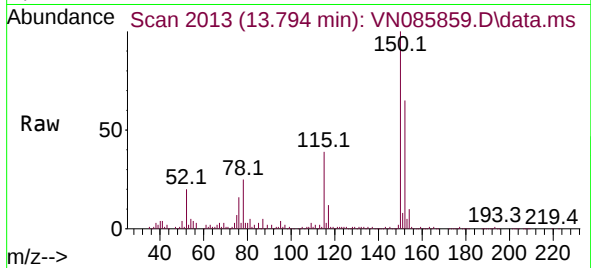




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

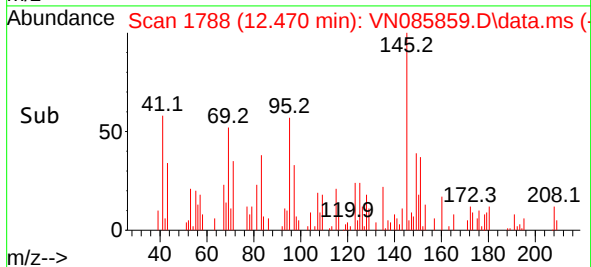
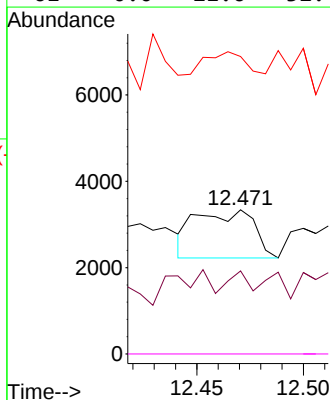
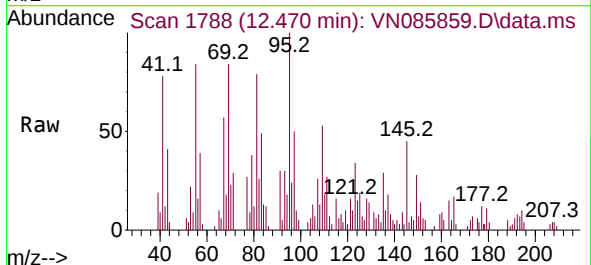
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

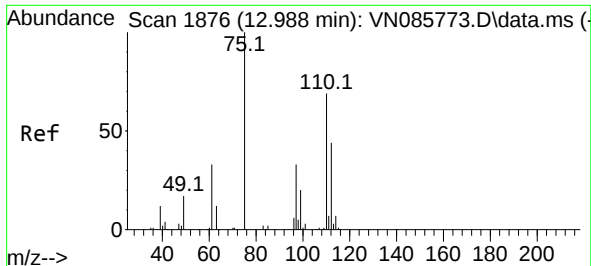
Tgt Ion:152 Resp: 248534  
Ion Ratio Lower Upper  
152 100  
115 62.6 30.4 91.3  
150 158.2 0.0 345.4



#74  
N-ethyl acetate  
Concen: 0.352 ug/l  
RT: 12.470 min Scan# 1788  
Delta R.T. -0.018 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

Tgt Ion: 43 Resp: 2114  
Ion Ratio Lower Upper  
43 100  
70 0.0 41.0 61.4#  
55 30.0 24.6 36.8  
61 0.0 21.6 32.4#

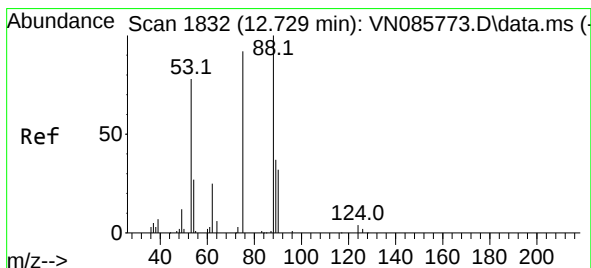
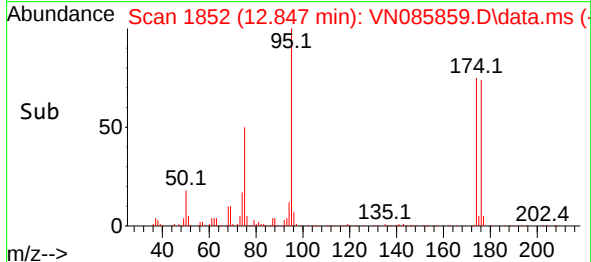
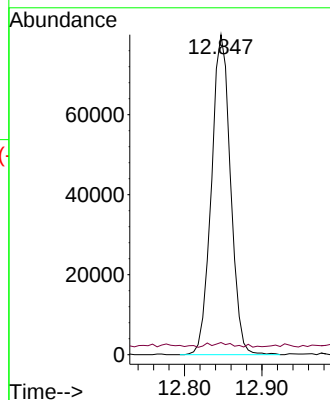
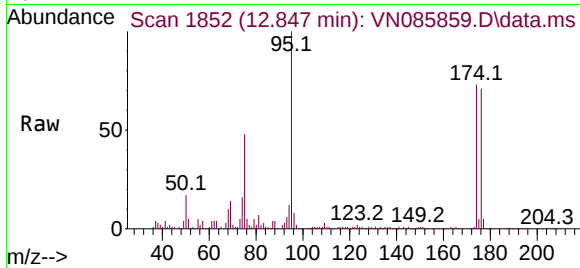




#76  
1,2,3-Trichloropropane  
Concen: 24.840 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

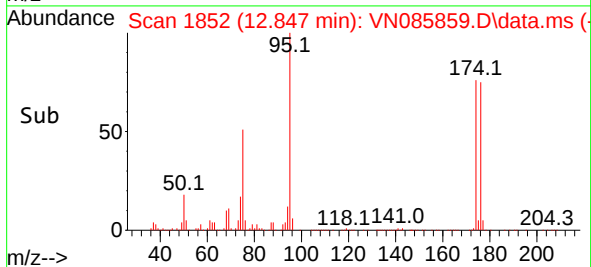
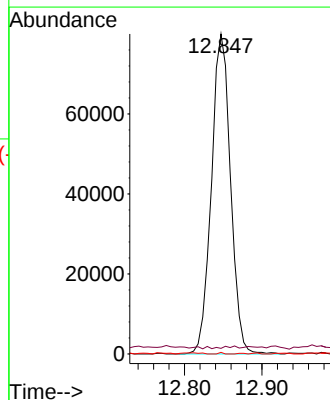
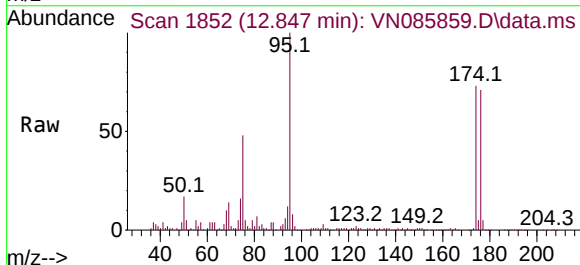
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

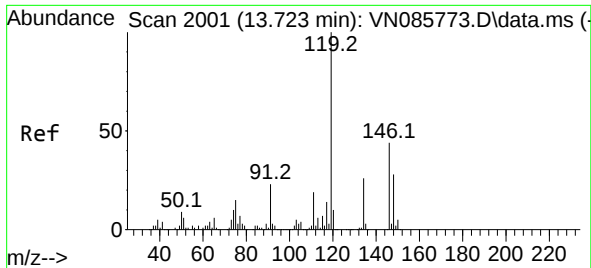
Tgt Ion: 75 Resp: 137138  
Ion Ratio Lower Upper  
75 100  
77 1.6 100.0 300.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.478 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.118 min  
Lab File: VN085859.D  
Acq: 25 Feb 2025 16:15

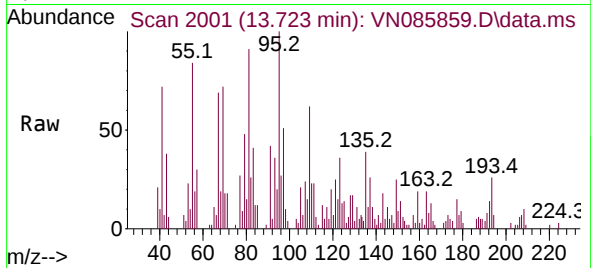
Tgt Ion: 75 Resp: 137138  
Ion Ratio Lower Upper  
75 100  
53 0.4 74.2 111.4#  
89 0.1 34.9 52.3#





#86  
 p-Isopropyltoluene  
 Concen: 0.714 ug/l  
 RT: 13.723 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN085859.D  
 Acq: 25 Feb 2025 16:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 1256  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 14.6  | 13.0  | 39.0  |
| 91       | 40.8  | 11.7  | 35.1# |

