

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021925\  
 Data File : VN085790.D  
 Acq On : 19 Feb 2025 15:08  
 Operator : JC\MD  
 Sample : Q1380-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 20 00:49:10 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

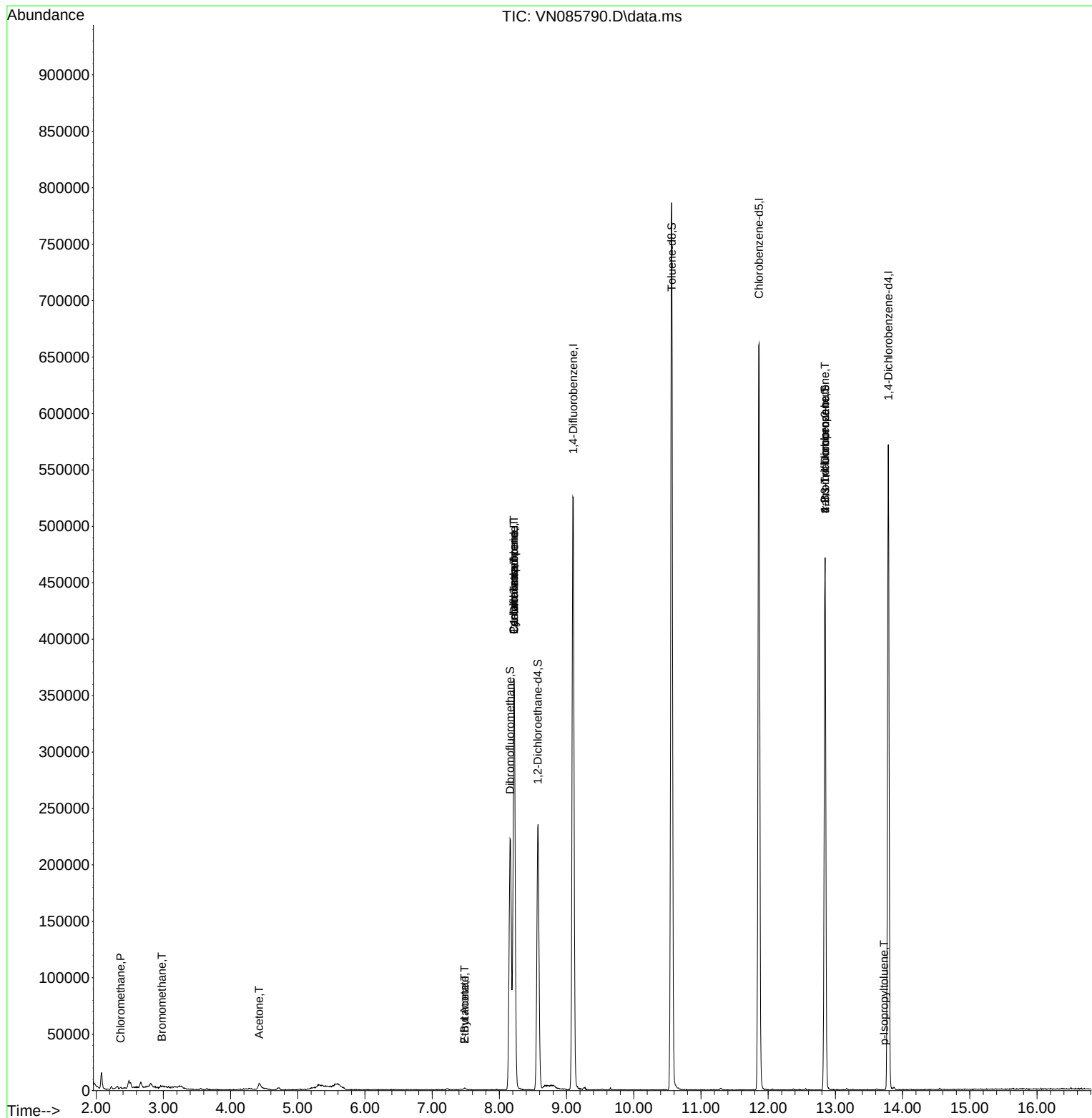
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.218     | 168   | 259651   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100     | 114   | 470979   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865    | 117   | 403744   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788    | 152   | 157449   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.571     | 65    | 193493   | 57.480    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery  | = 114.960% |          |
| 35) Dibromofluoromethane      | 8.159     | 113   | 164754   | 53.459    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | = 106.920% |          |
| 50) Toluene-d8                | 10.565    | 98    | 566832   | 50.552    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery  | = 101.100% |          |
| 62) 4-Bromofluorobenzene      | 12.847    | 95    | 169080   | 45.767    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 77 - 121 | Recovery  | = 91.540%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.365     | 50    | 946      | 0.267     | ug/l #     | 84       |
| 5) Bromomethane               | 2.977     | 94    | 933      | 0.389     | ug/l       | 89       |
| 16) Acetone                   | 4.424     | 43    | 10115    | 9.496     | ug/l       | 98       |
| 25) 2-Butanone                | 7.483     | 43    | 2991     | 1.909     | ug/l #     | 88       |
| 31) Cyclohexane               | 8.218     | 56    | 5395     | 1.122     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.218     | 75    | 21205    | 4.862     | ug/l #     | 49       |
| 37) Ethyl Acetate             | 7.483     | 43    | 2991     | 0.833     | ug/l #     | 66       |
| 38) Carbon Tetrachloride      | 8.218     | 117   | 26330    | 5.081     | ug/l #     | 20       |
| 43) Isopropyl Acetate         | 8.688     | 43    | 3334     | Below Cal | #          | 53       |
| 76) 1,2,3-Trichloropropane    | 12.847    | 75    | 82077    | 23.467    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847    | 75    | 82077    | 68.473    | ug/l #     | 12       |
| 86) p-Isopropyltoluene        | 13.723    | 119   | 73       | 0.633     | ug/l #     | 50       |
| -----                         |           |       |          |           |            |          |

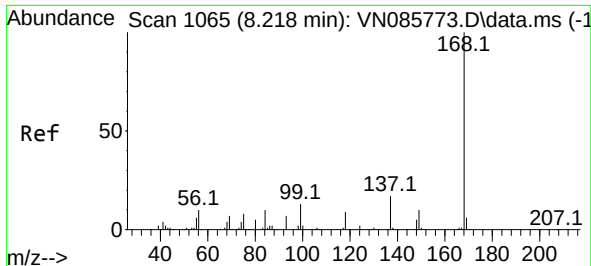
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021925\  
Data File : VN085790.D  
Acq On : 19 Feb 2025 15:08  
Operator : JC\MD  
Sample : Q1380-09  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Feb 20 00:49:10 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

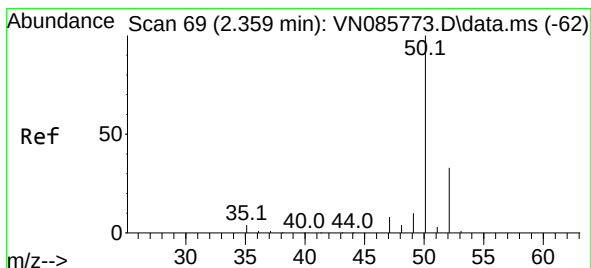
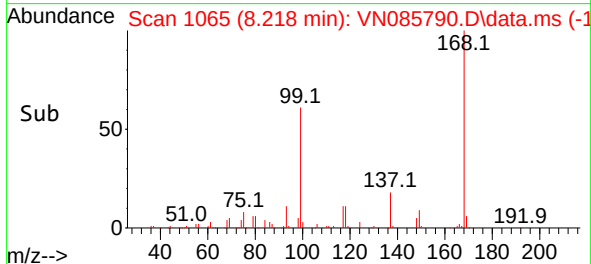
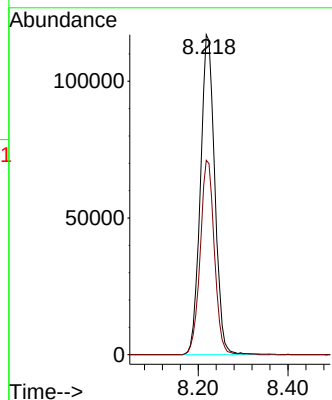
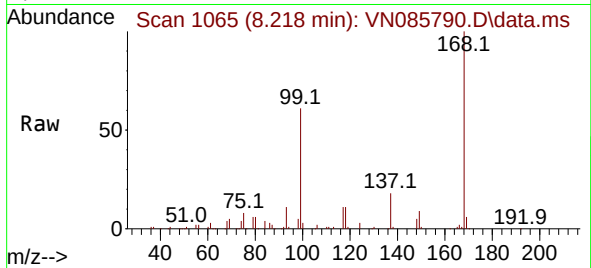




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

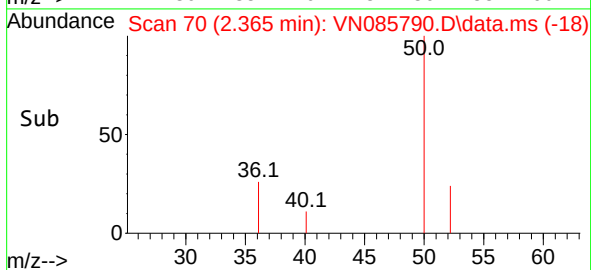
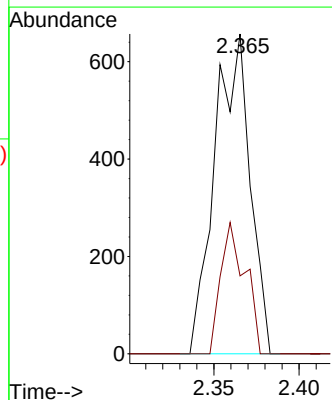
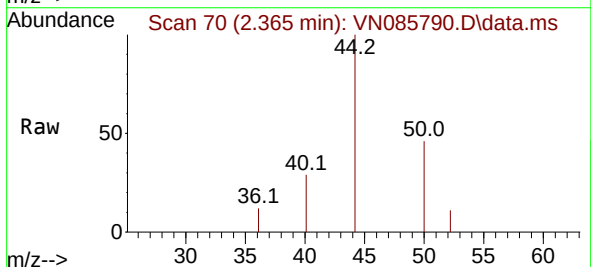
Instrument :  
MSVOA\_N  
ClientSampleId :

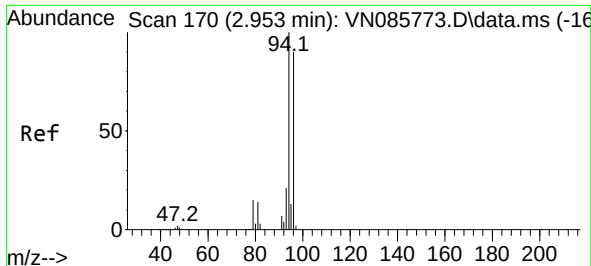
Tgt Ion:168 Resp: 259651  
Ion Ratio Lower Upper  
168 100  
99 60.8 47.9 71.9



#3  
Chloromethane  
Concen: 0.267 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

Tgt Ion: 50 Resp: 946  
Ion Ratio Lower Upper  
50 100  
52 24.4 26.7 40.1#

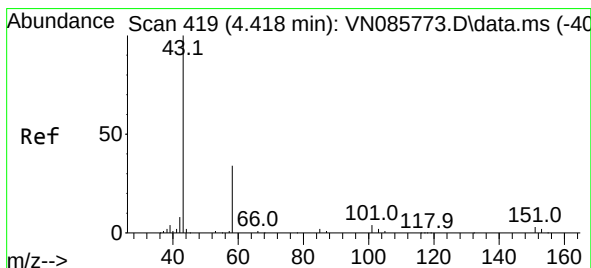
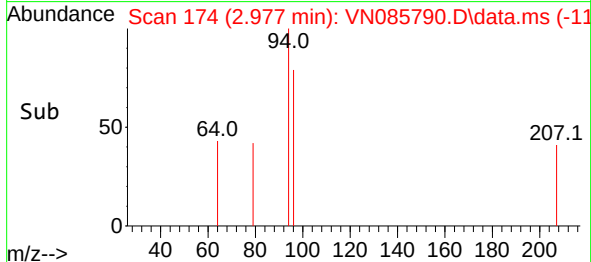
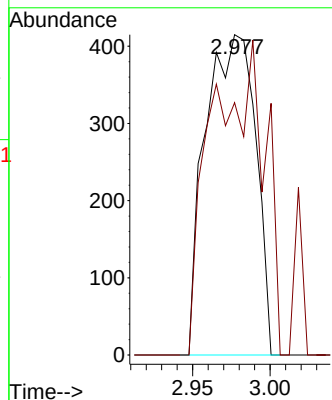
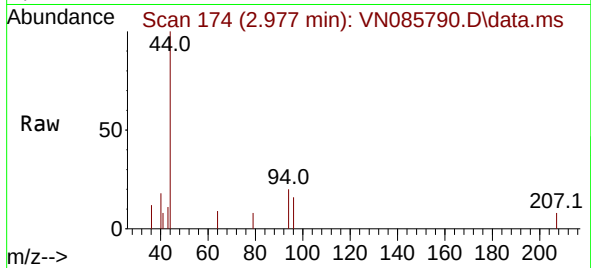




#5  
Bromomethane  
Concen: 0.389 ug/l  
RT: 2.977 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

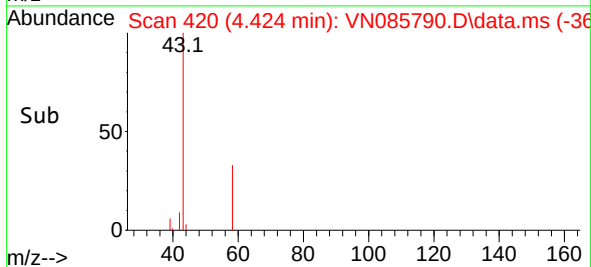
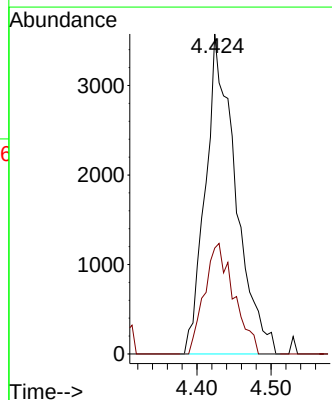
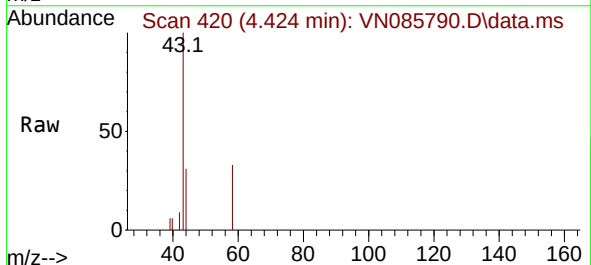
Instrument :  
MSVOA\_N  
ClientSampleId :

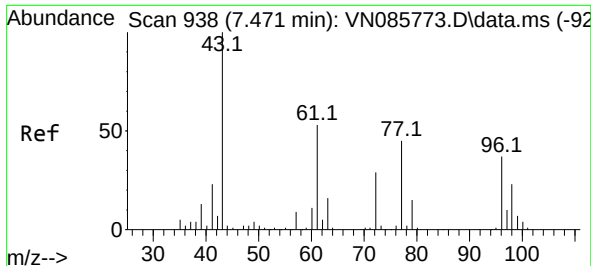
Tgt Ion: 94 Resp: 933  
Ion Ratio Lower Upper  
94 100  
96 78.8 71.7 107.5



#16  
Acetone  
Concen: 9.496 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

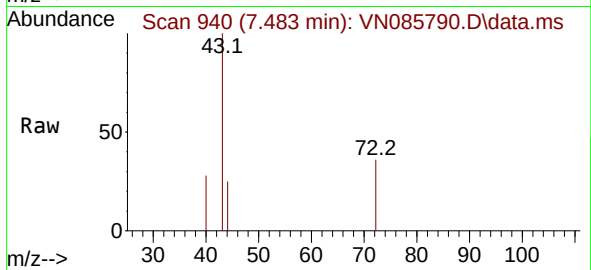
Tgt Ion: 43 Resp: 10115  
Ion Ratio Lower Upper  
43 100  
58 33.1 27.5 41.3



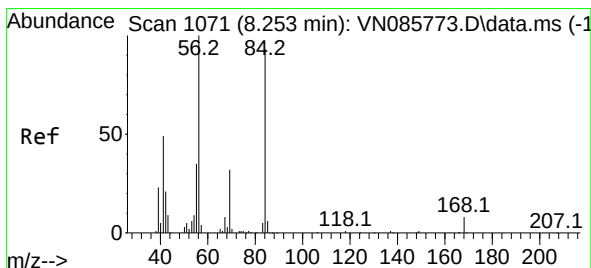
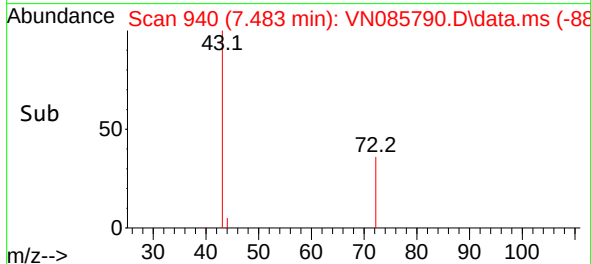
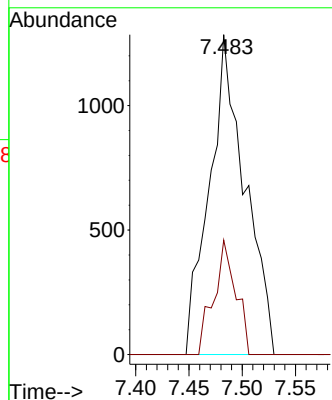


#25  
2-Butanone  
Concen: 1.909 ug/l  
RT: 7.483 min Scan# 94  
Delta R.T. 0.012 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

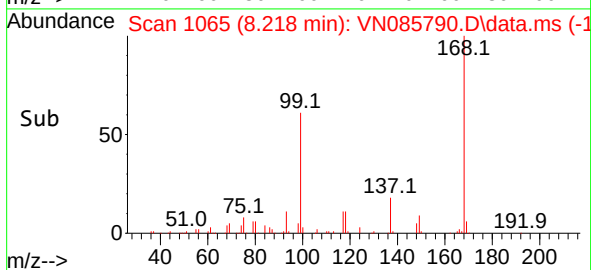
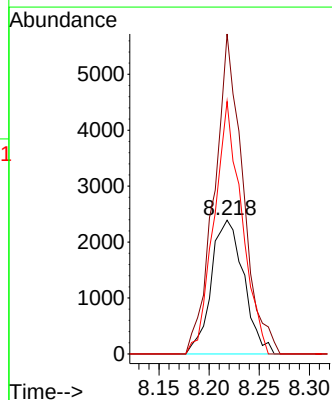
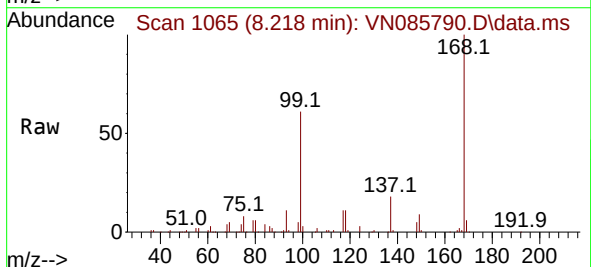


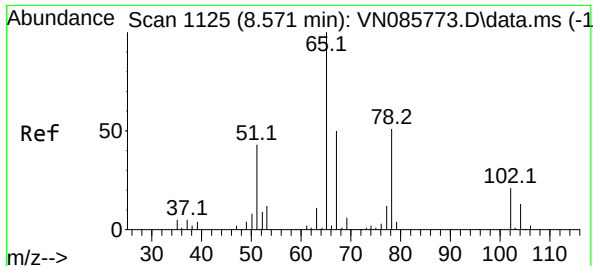
Tgt Ion: 43 Resp: 2991  
Ion Ratio Lower Upper  
43 100  
72 35.8 23.6 35.4#



#31  
Cyclohexane  
Concen: 1.122 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.035 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

Tgt Ion: 56 Resp: 5395  
Ion Ratio Lower Upper  
56 100  
69 239.1 25.8 38.6#  
84 188.7 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 57.480 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085790.D

Acq: 19 Feb 2025 15:08

Instrument :

MSVOA\_N

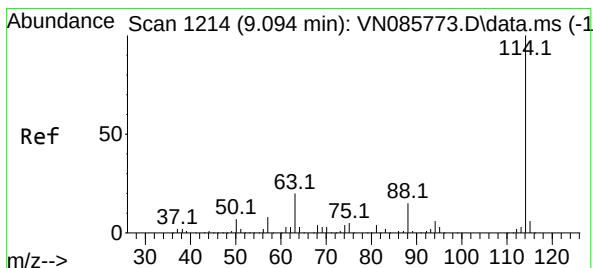
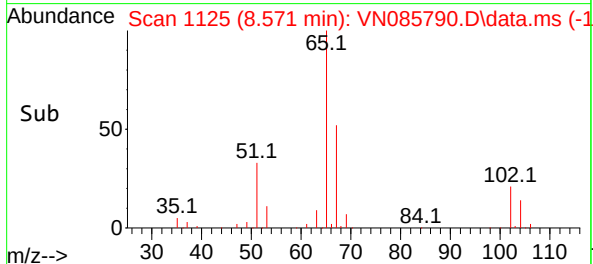
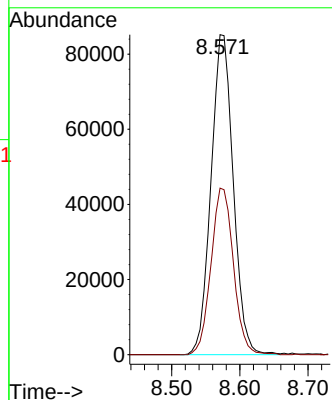
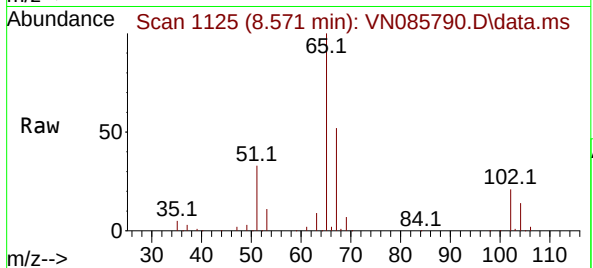
ClientSampleId :

Tgt Ion: 65 Resp: 193493

Ion Ratio Lower Upper

65 100

67 52.5 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: VN085790.D

Acq: 19 Feb 2025 15:08

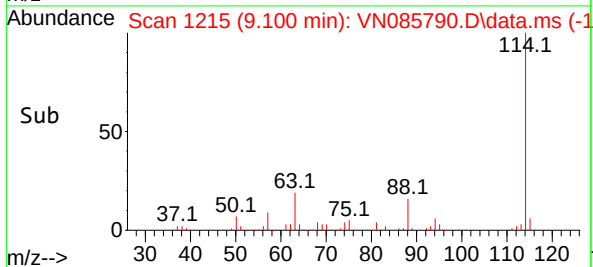
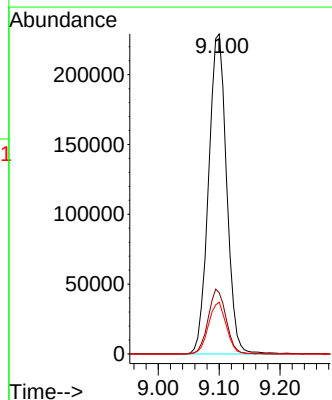
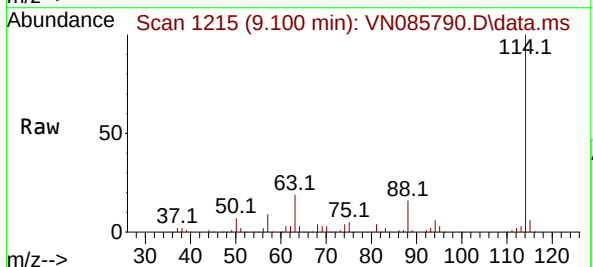
Tgt Ion: 114 Resp: 470979

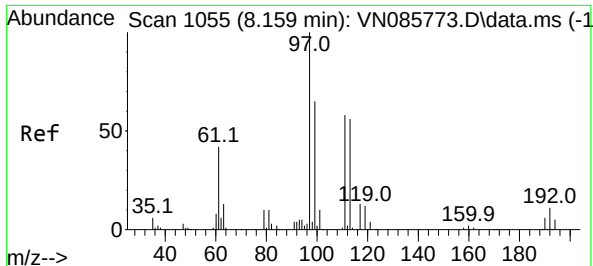
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

88 16.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.459 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

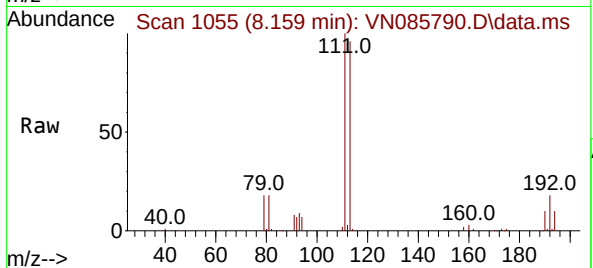
Lab File: VN085790.D

Acq: 19 Feb 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :



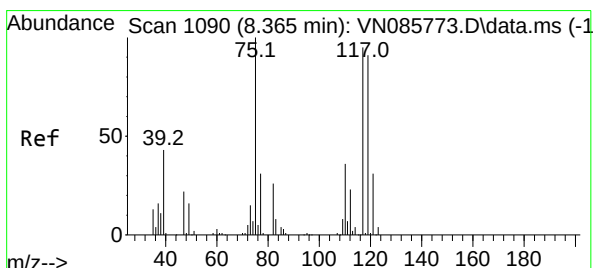
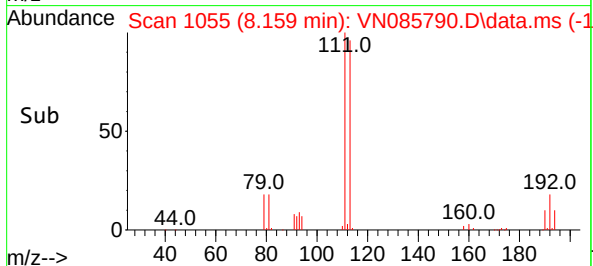
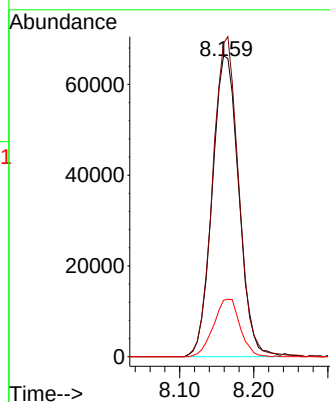
Tgt Ion:113 Resp: 164754

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

192 19.1 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085790.D

Acq: 19 Feb 2025 15:08

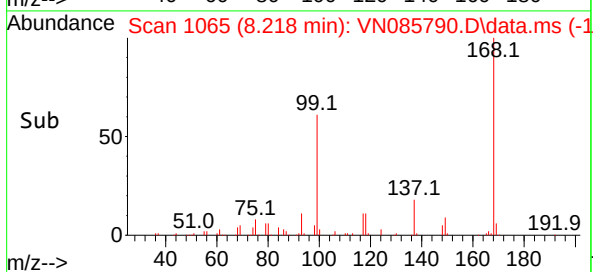
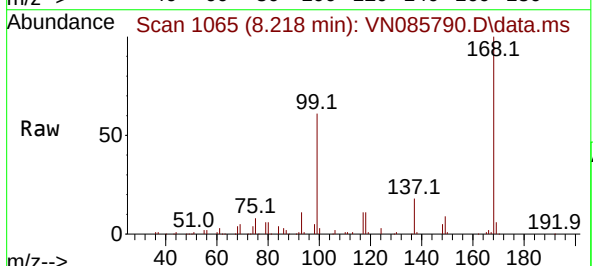
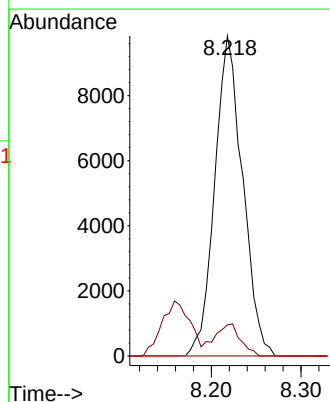
Tgt Ion: 75 Resp: 21205

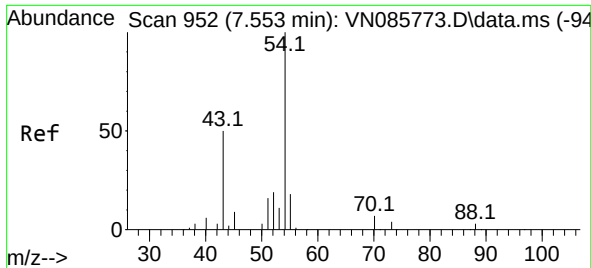
Ion Ratio Lower Upper

75 100

110 7.9 17.3 52.0#

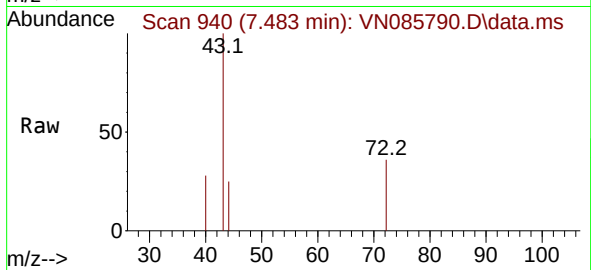
77 0.0 24.6 37.0#



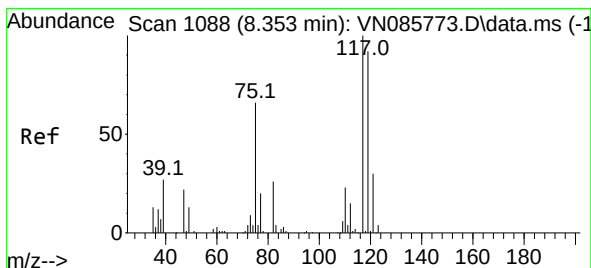
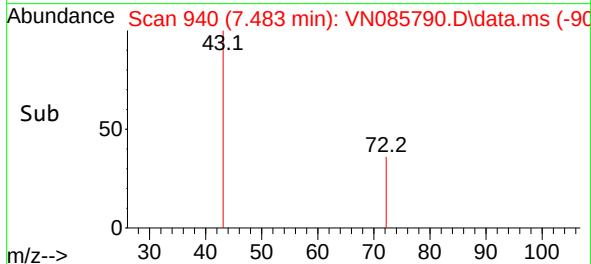
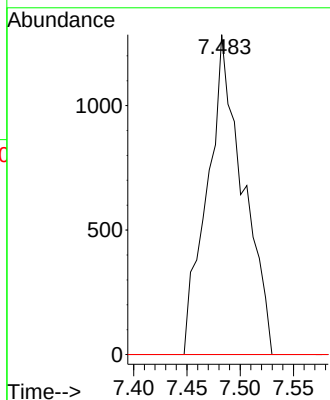


#37  
Ethyl Acetate  
Concen: 0.833 ug/l  
RT: 7.483 min Scan# 94  
Delta R.T. -0.071 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

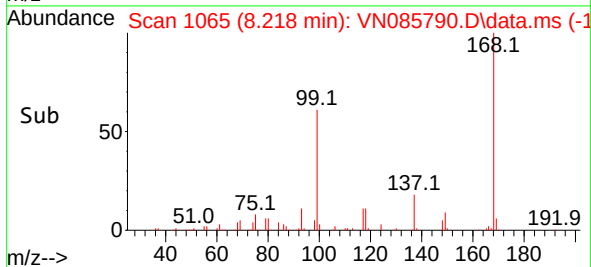
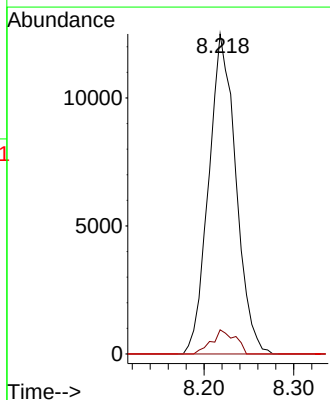
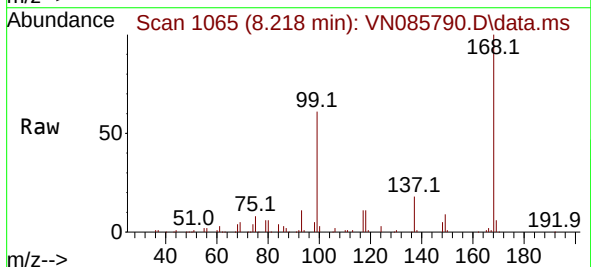


Tgt Ion: 43 Resp: 2991  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.2 18.2#  
70 0.0 9.5 14.3#

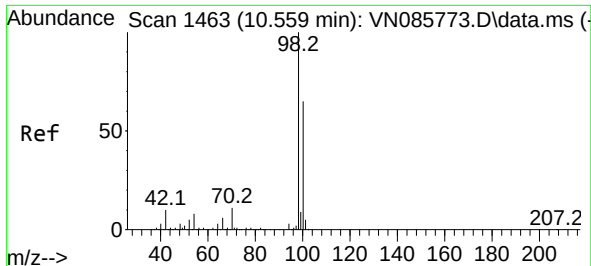


#38  
Carbon Tetrachloride  
Concen: 5.081 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.135 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

Tgt Ion: 117 Resp: 26330  
Ion Ratio Lower Upper  
117 100  
119 7.6 73.8 110.6#  
121 0.0 24.3 36.5#



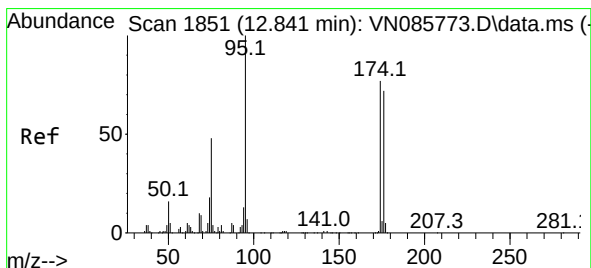
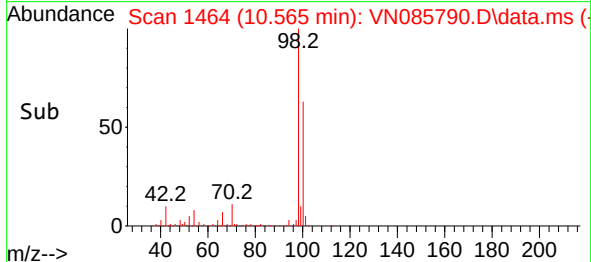
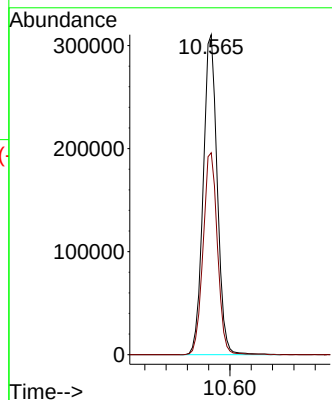
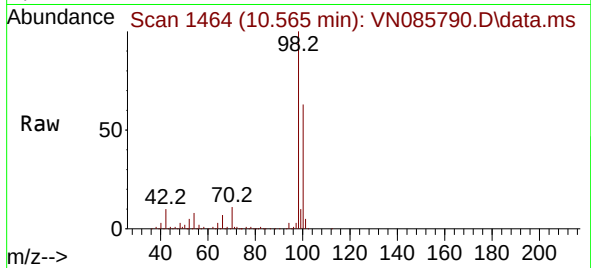




#50  
Toluene-d8  
Concen: 50.552 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

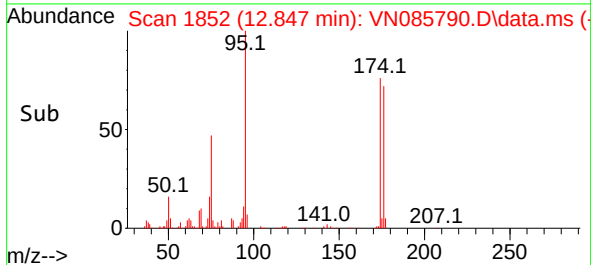
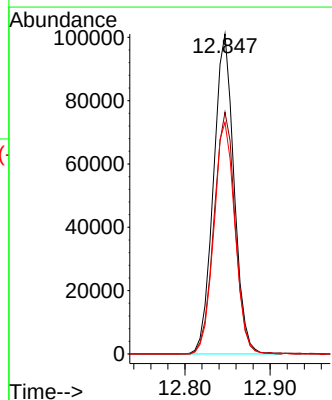
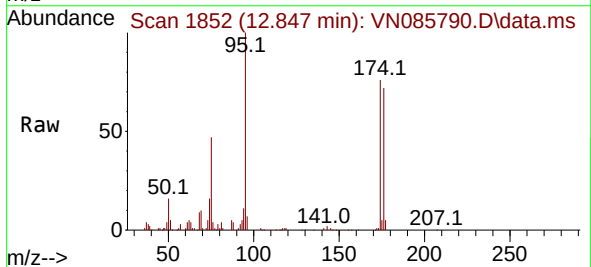
Instrument :  
MSVOA\_N  
ClientSampleId :

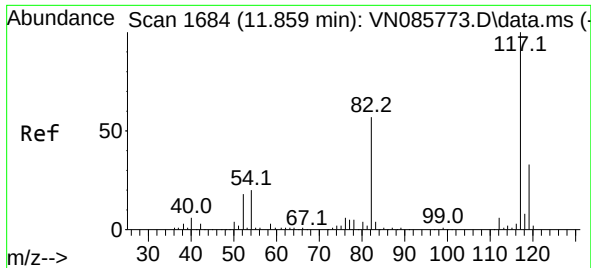
Tgt Ion: 98 Resp: 566832  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 45.767 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

Tgt Ion: 95 Resp: 169080  
Ion Ratio Lower Upper  
95 100  
174 77.6 0.0 152.4  
176 74.2 0.0 146.6

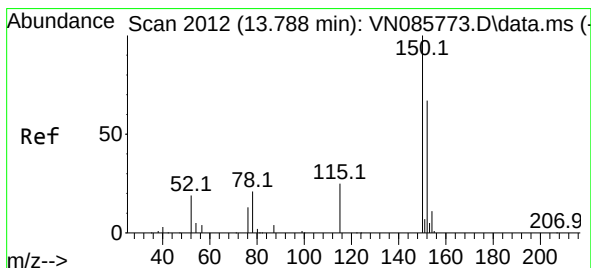
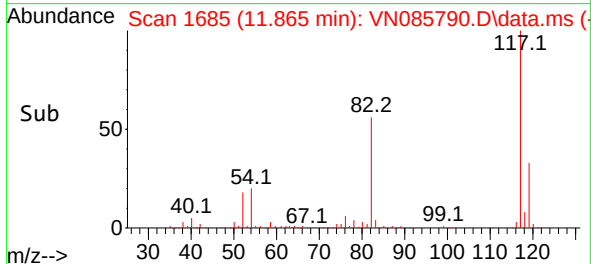
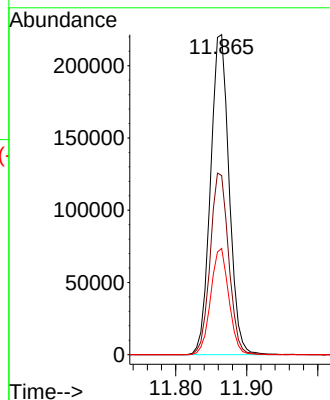
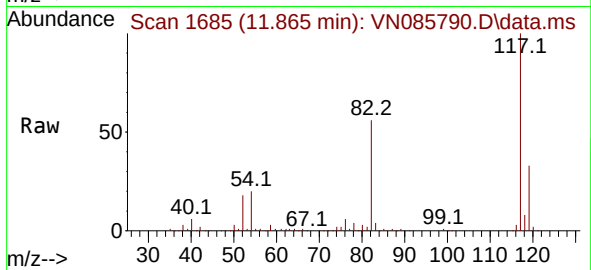




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

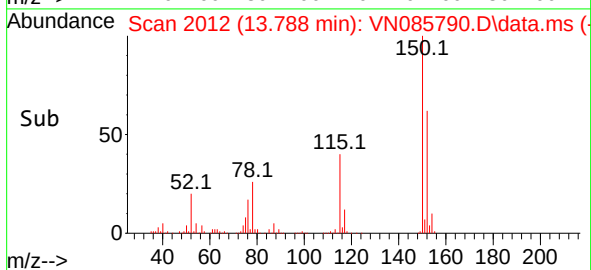
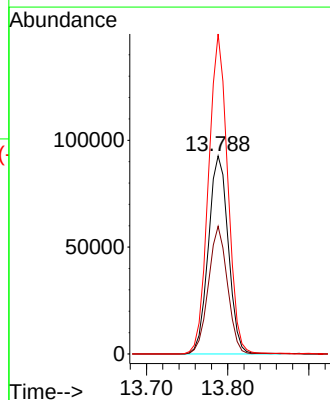
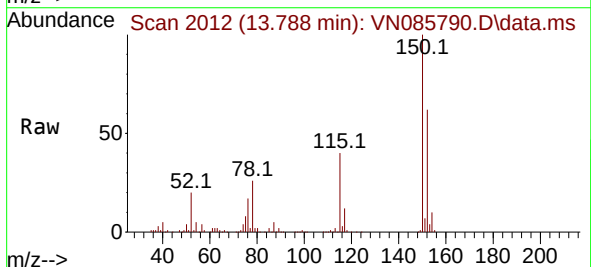
Instrument :  
MSVOA\_N  
ClientSampleId :

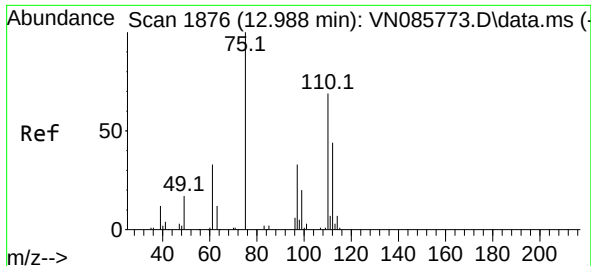
Tgt Ion:117 Resp: 403744  
Ion Ratio Lower Upper  
117 100  
82 56.0 45.7 68.5  
119 33.2 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

Tgt Ion:152 Resp: 157449  
Ion Ratio Lower Upper  
152 100  
115 61.6 30.4 91.3  
150 156.0 0.0 345.4

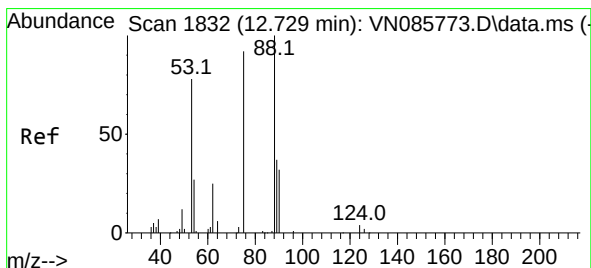
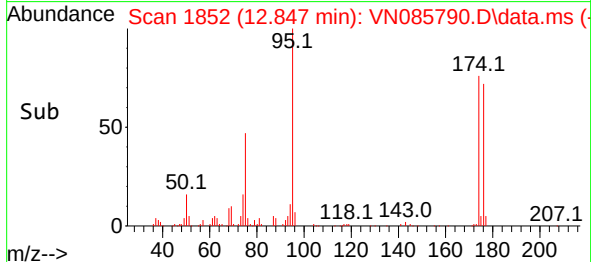
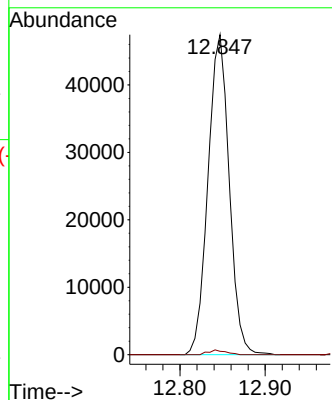
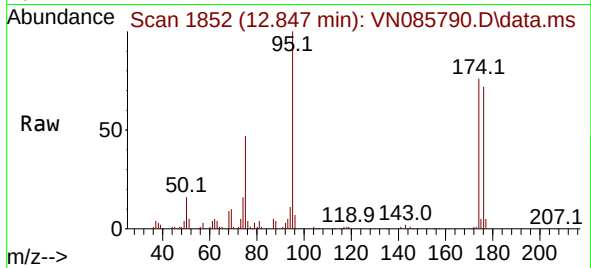




#76  
1,2,3-Trichloropropane  
Concen: 23.467 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

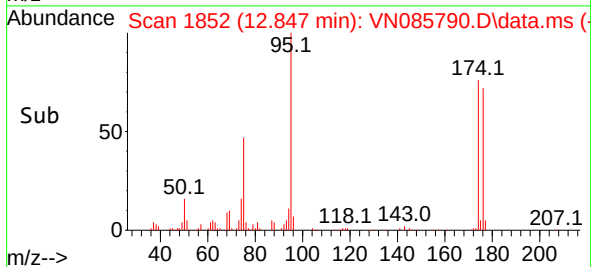
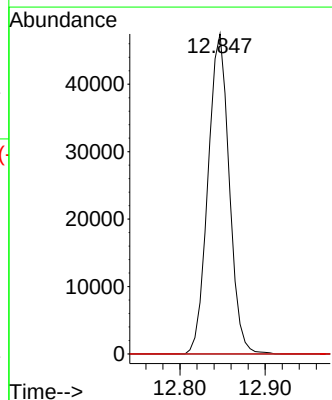
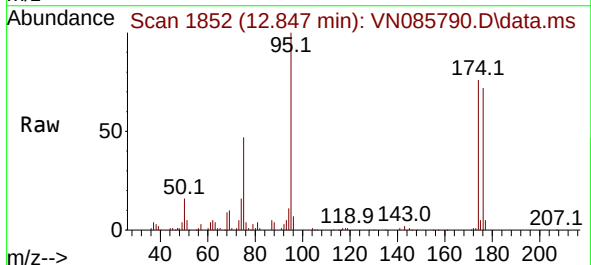
Instrument :  
MSVOA\_N  
ClientSampleId :

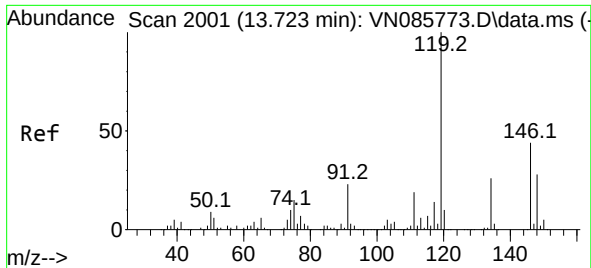
Tgt Ion: 75 Resp: 82077  
Ion Ratio Lower Upper  
75 100  
77 1.2 100.0 300.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.473 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.118 min  
Lab File: VN085790.D  
Acq: 19 Feb 2025 15:08

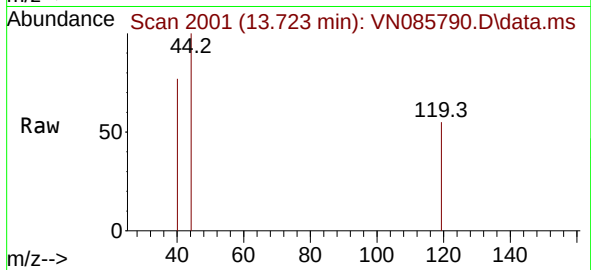
Tgt Ion: 75 Resp: 82077  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.0 34.9 52.3#





#86  
 p-Isopropyltoluene  
 Concen: 0.633 ug/l  
 RT: 13.723 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN085790.D  
 Acq: 19 Feb 2025 15:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 73    |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 0.0   | 13.0  | 39.0# |
| 91       | 0.0   | 11.7  | 35.1# |

