

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011725\  
 Data File : VN085481.D  
 Acq On : 17 Jan 2025 10:16  
 Operator : JC\MD  
 Sample : VN0117WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jan 17 22:30:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

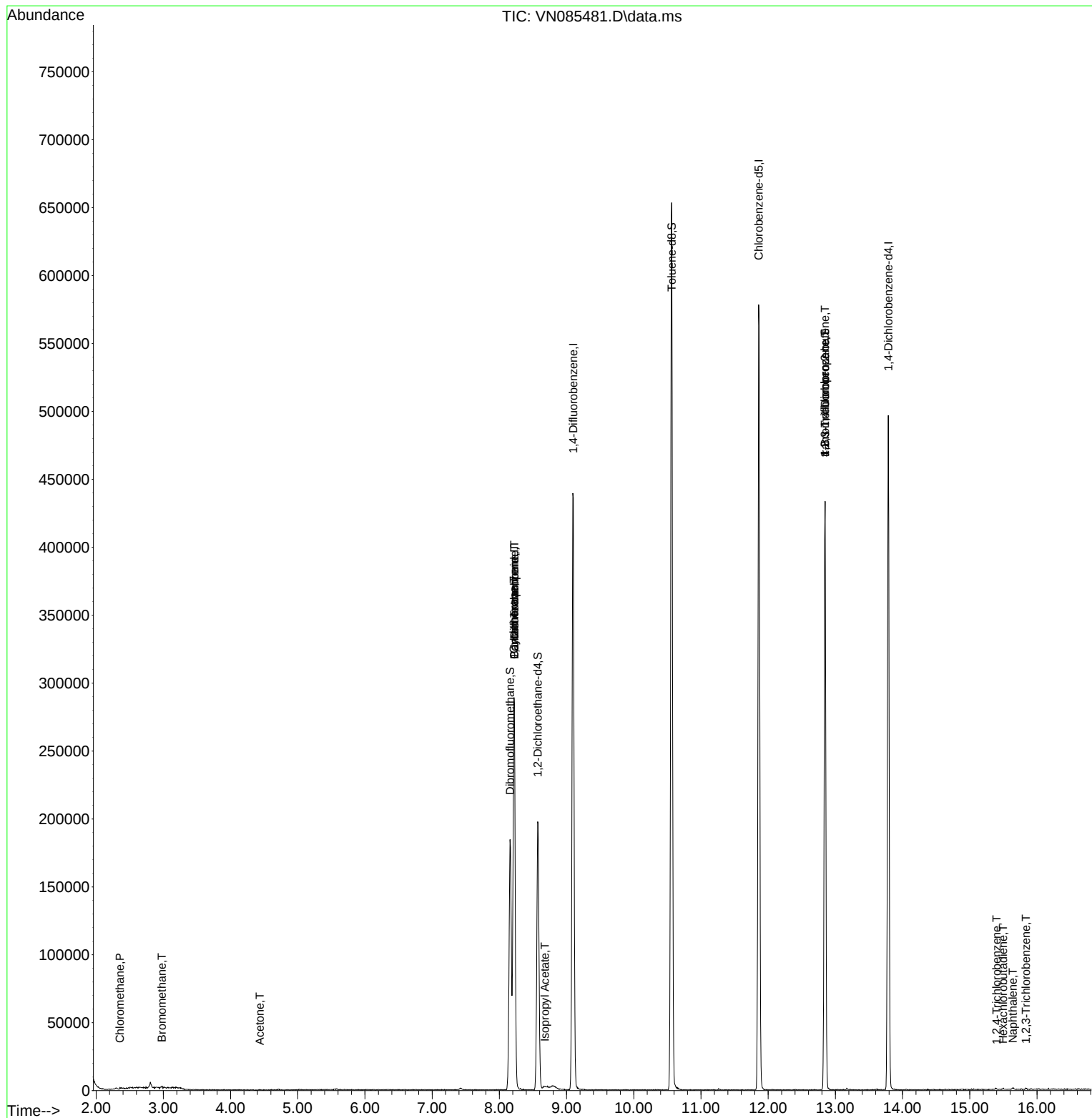
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 196554   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 358389   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.859 | 117   | 314818   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152   | 125050   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.571  | 65    | 168136   | 52.993   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 105.980% |          |
| 35) Dibromofluoromethane      | 8.159  | 113   | 128534   | 51.696   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 103.400% |          |
| 50) Toluene-d8                | 10.565 | 98    | 442327   | 50.071   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 100.140% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 142880   | 47.282   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 94.560%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 2.353  | 50    | 625      | 0.217    | ug/l       | 93       |
| 5) Bromomethane               | 2.977  | 94    | 773      | 0.442    | ug/l       | 93       |
| 16) Acetone                   | 4.436  | 43    | 249      | 0.243    | ug/l #     | 45       |
| 31) Cyclohexane               | 8.218  | 56    | 5412     | 1.344    | ug/l #     | 16       |
| 36) 1,1-Dichloropropene       | 8.224  | 75    | 18584    | 5.326    | ug/l #     | 44       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 22948    | 5.744    | ug/l #     | 17       |
| 43) Isopropyl Acetate         | 8.677  | 43    | 1641     | 0.291    | ug/l #     | 55       |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 80875    | 31.820   | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 80875    | 86.090   | ug/l #     | 3        |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180   | 483      | 0.257    | ug/l #     | 70       |
| 94) Hexachlorobutadiene       | 15.494 | 225   | 231      | 0.231    | ug/l #     | 43       |
| 95) Naphthalene               | 15.641 | 128   | 1876     | 0.334    | ug/l #     | 74       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180   | 623      | 0.327    | ug/l #     | 64       |
| -----                         |        |       |          |          |            |          |

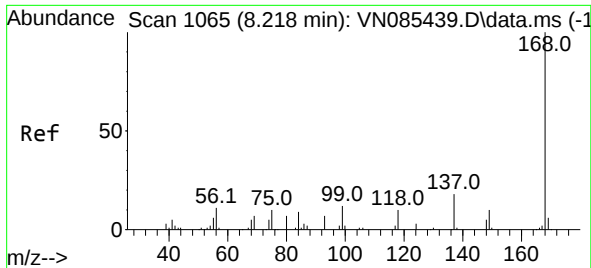
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011725\  
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Sample : VN0117WBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jan 17 22:30:31 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration

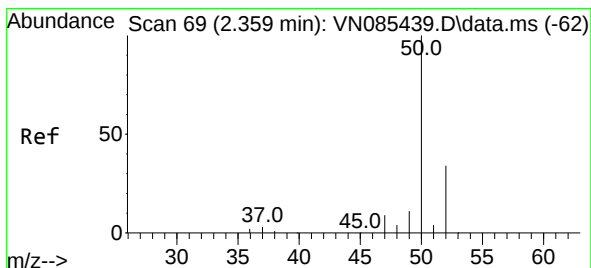
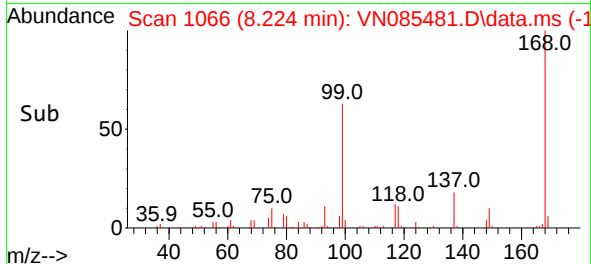
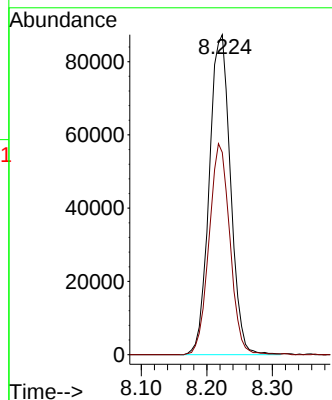
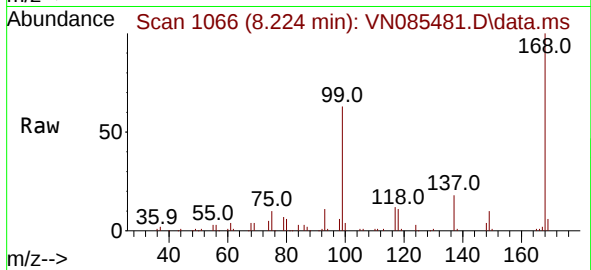




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

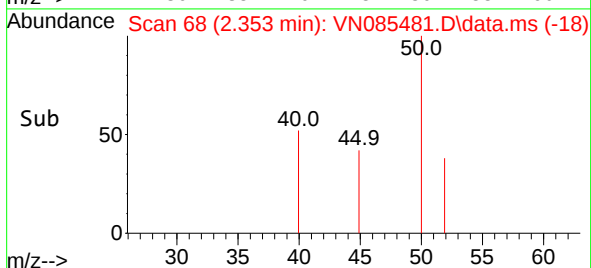
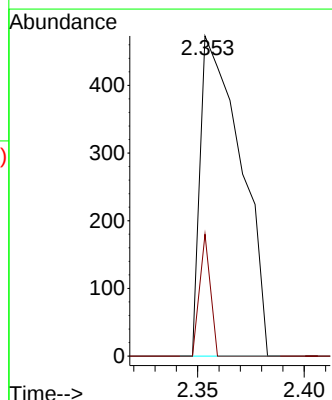
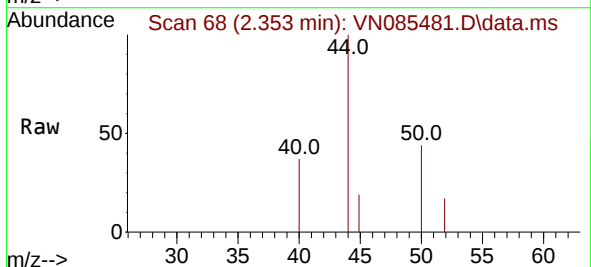
Instrument :  
MSVOA\_N  
ClientSampleId :

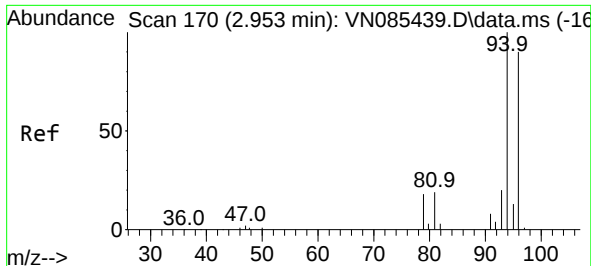
Tgt Ion:168 Resp: 196554  
Ion Ratio Lower Upper  
168 100  
99 63.2 53.6 80.4



#3  
Chloromethane  
Concen: 0.217 ug/l  
RT: 2.353 min Scan# 68  
Delta R.T. -0.006 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Tgt Ion: 50 Resp: 625  
Ion Ratio Lower Upper  
50 100  
52 38.1 27.0 40.6

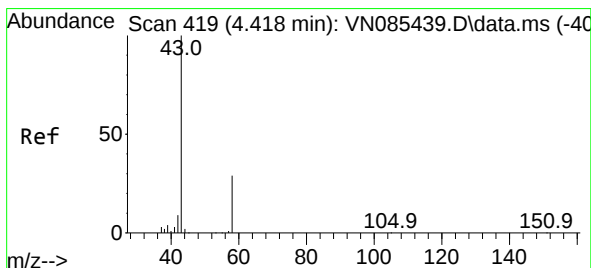
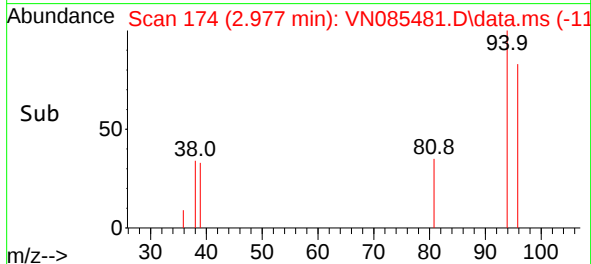
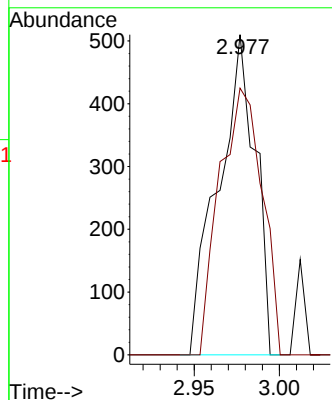
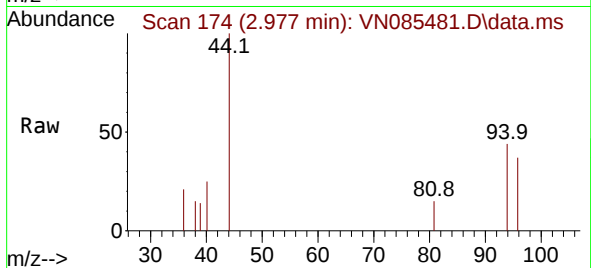




#5  
Bromomethane  
Concen: 0.442 ug/l  
RT: 2.977 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

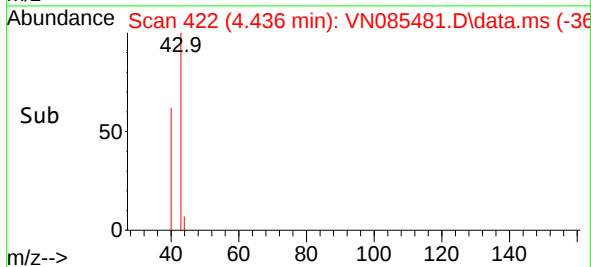
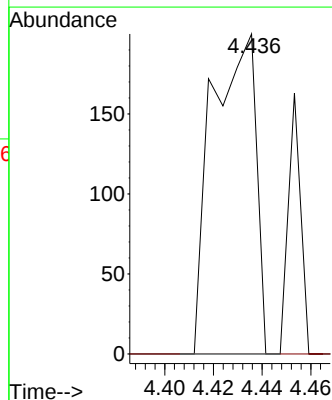
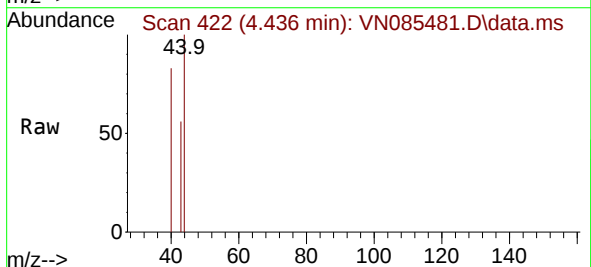
Instrument :  
MSVOA\_N  
ClientSampleId :

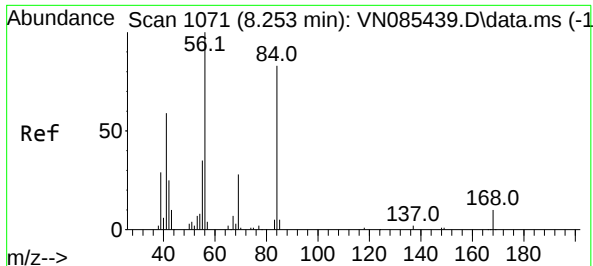
Tgt Ion: 94 Resp: 773  
Ion Ratio Lower Upper  
94 100  
96 83.3 71.8 107.6



#16  
Acetone  
Concen: 0.243 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.018 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

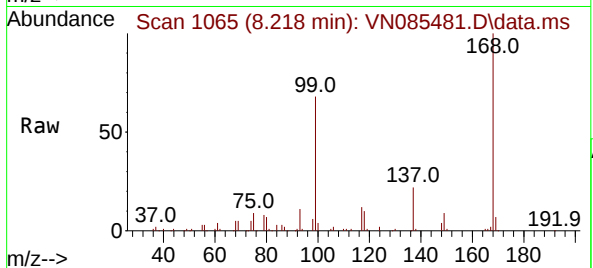
Tgt Ion: 43 Resp: 249  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.6#



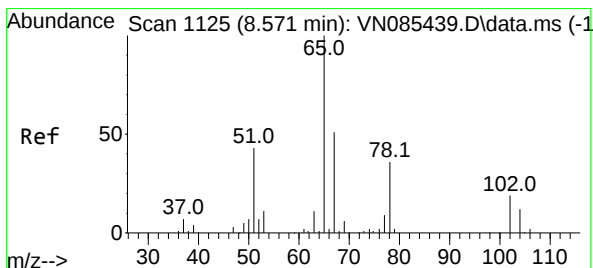
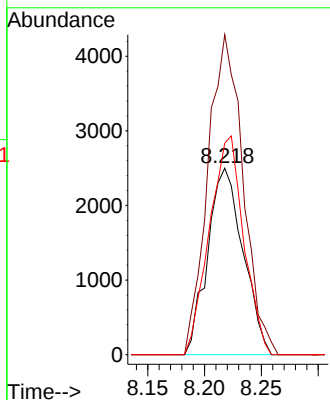
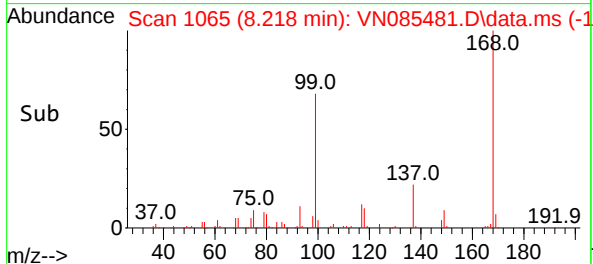


#31  
Cyclohexane  
Concen: 1.344 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.035 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Instrument :  
MSVOA\_N  
ClientSampleId :

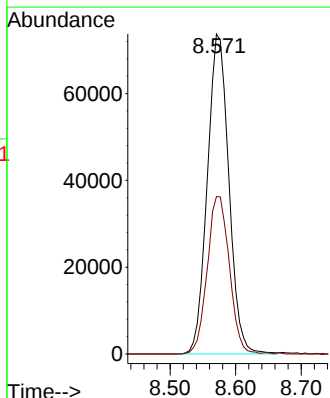
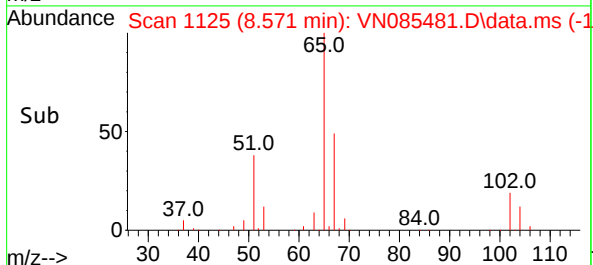
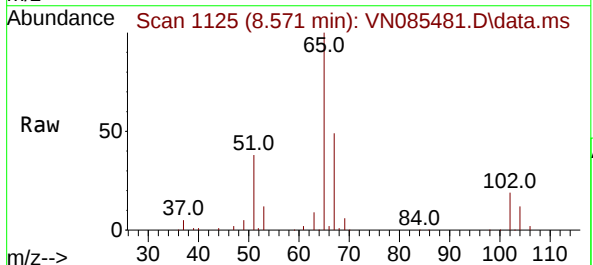


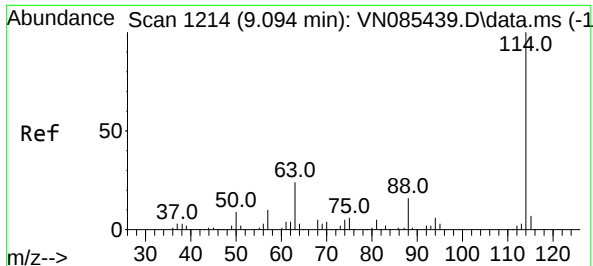
Tgt Ion: 56 Resp: 5412  
Ion Ratio Lower Upper  
56 100  
69 161.6 22.2 33.4#  
84 106.9 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 52.993 ug/l  
RT: 8.571 min Scan# 1125  
Delta R.T. -0.000 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Tgt Ion: 65 Resp: 168136  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085481.D

Acq: 17 Jan 2025 10:16

Instrument :

MSVOA\_N

ClientSampleId :

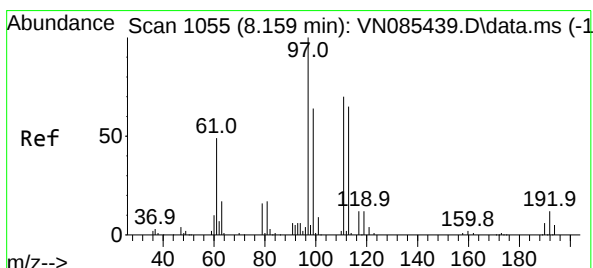
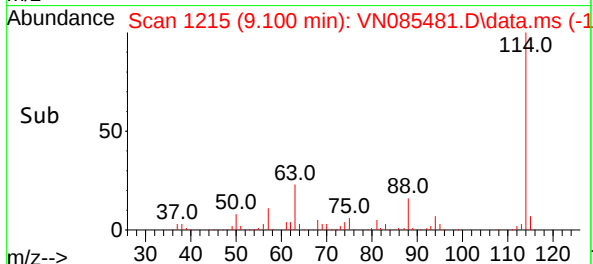
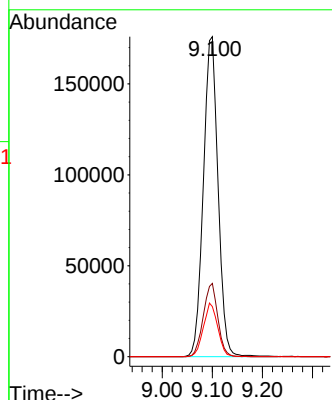
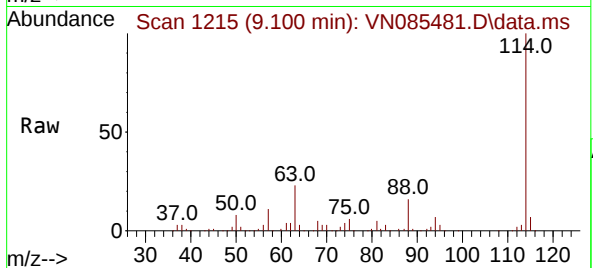
Tgt Ion:114 Resp: 358389

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.6

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.696 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085481.D

Acq: 17 Jan 2025 10:16

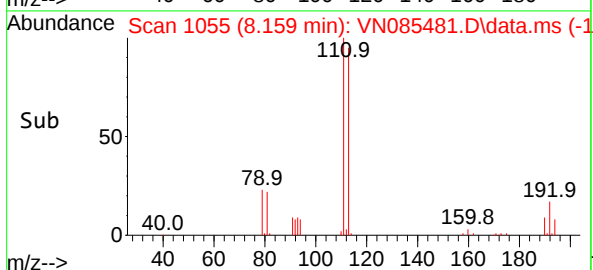
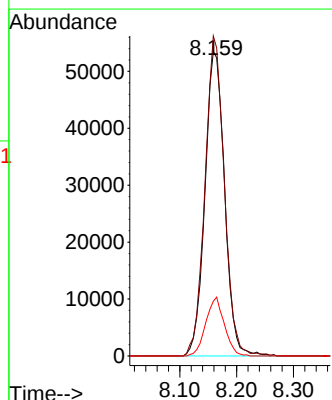
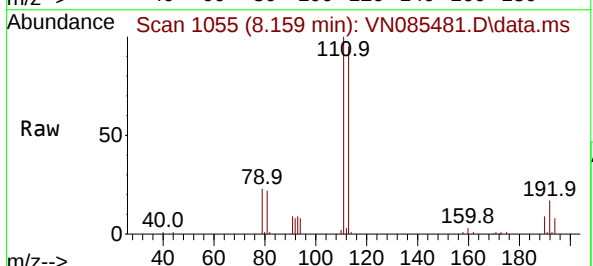
Tgt Ion:113 Resp: 128534

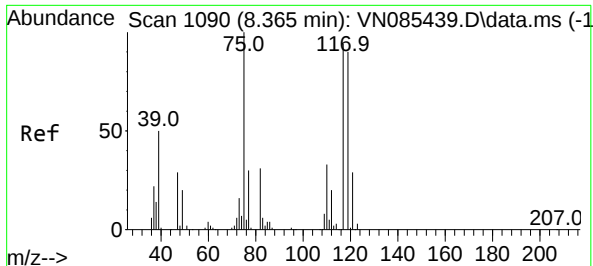
Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

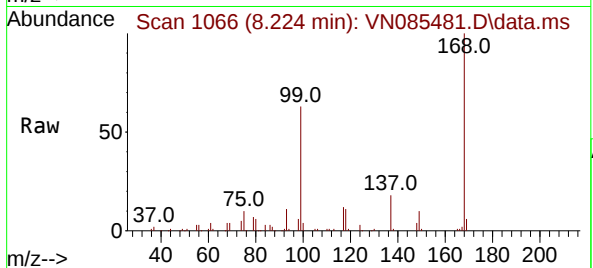
192 18.2 14.3 21.5



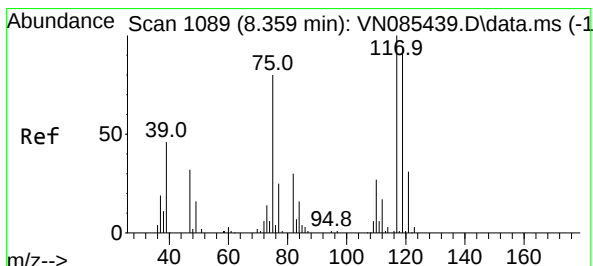
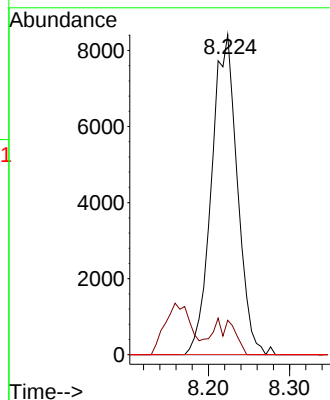
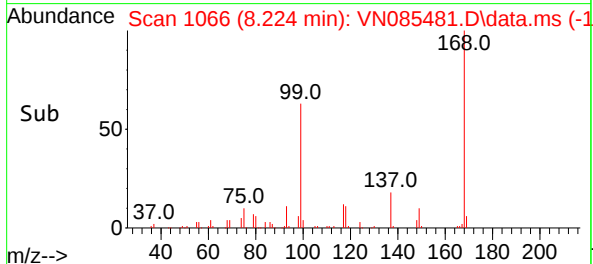


#36  
1,1-Dichloropropene  
Concen: 5.326 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.141 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Instrument :  
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ClientSampleId :

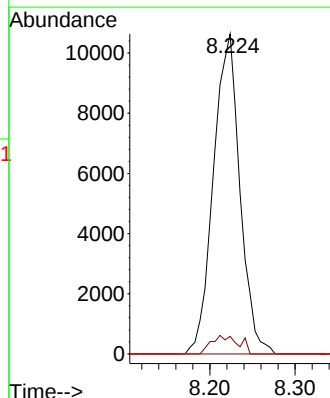
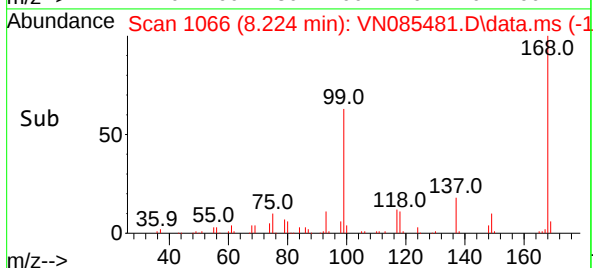
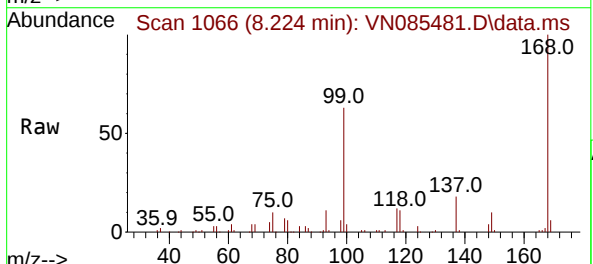


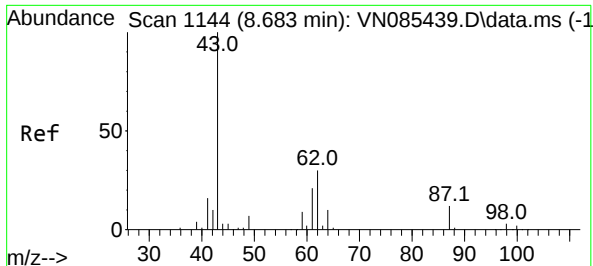
Tgt Ion: 75 Resp: 18584  
Ion Ratio Lower Upper  
75 100  
110 1.7 16.5 49.5#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.744 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.135 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Tgt Ion: 117 Resp: 22948  
Ion Ratio Lower Upper  
117 100  
119 5.5 75.4 113.2#  
121 0.0 24.6 37.0#

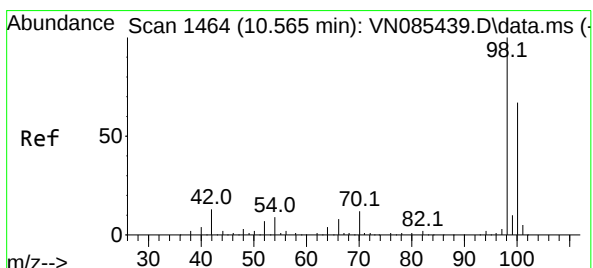
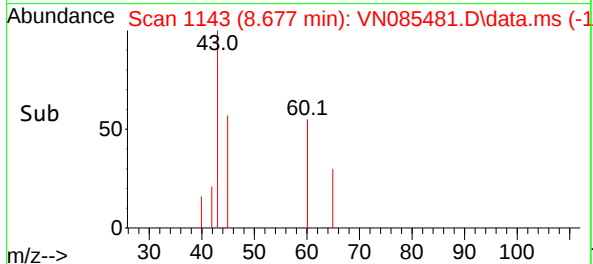
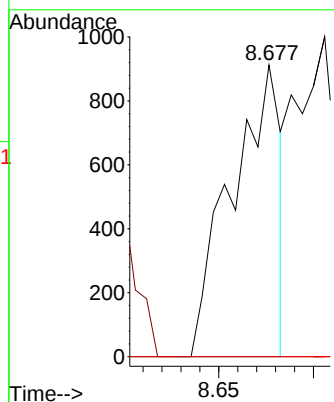
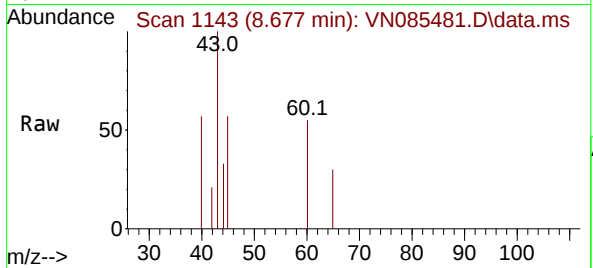




#43  
Isopropyl Acetate  
Concen: 0.291 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.006 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

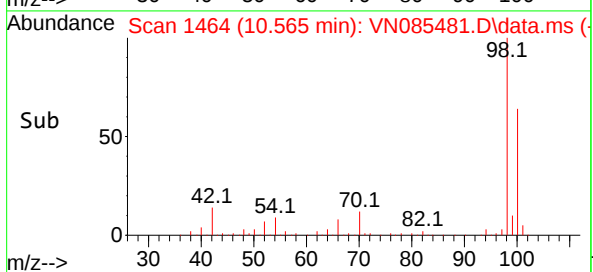
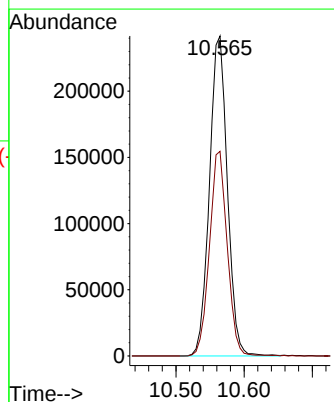
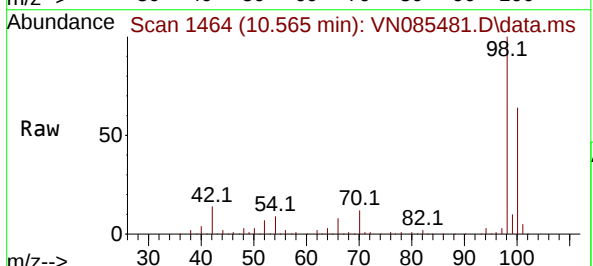
Instrument :  
MSVOA\_N  
ClientSampleId :

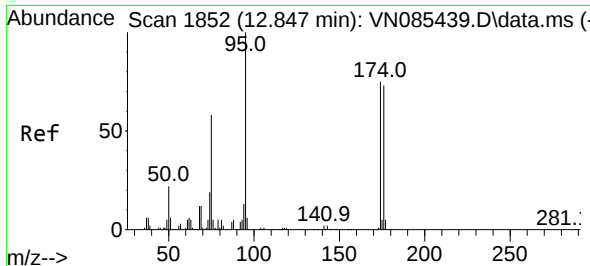
Tgt Ion: 43 Resp: 1641  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.7 31.1#  
87 0.0 9.8 14.8#



#50  
Toluene-d8  
Concen: 50.071 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Tgt Ion: 98 Resp: 442327  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.2 78.4

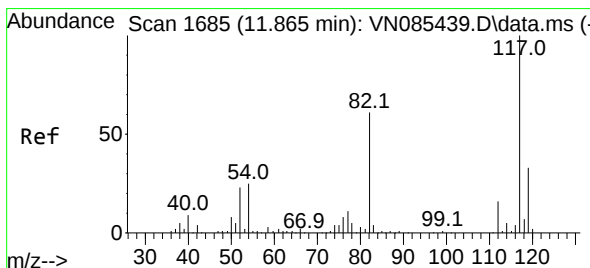
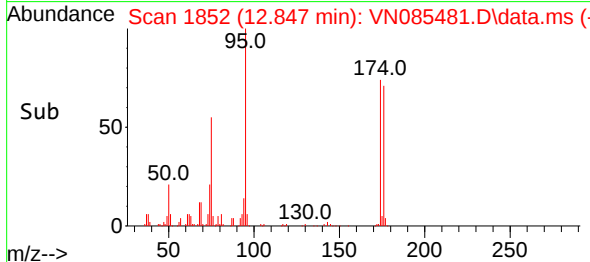
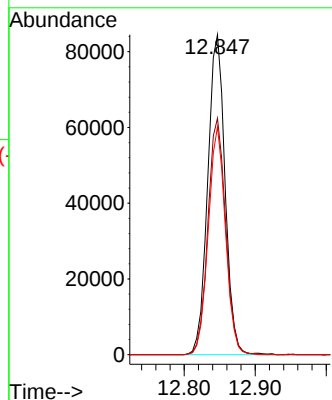
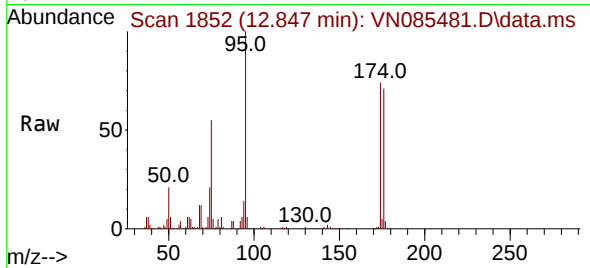




#62  
4-Bromofluorobenzene  
Concen: 47.282 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

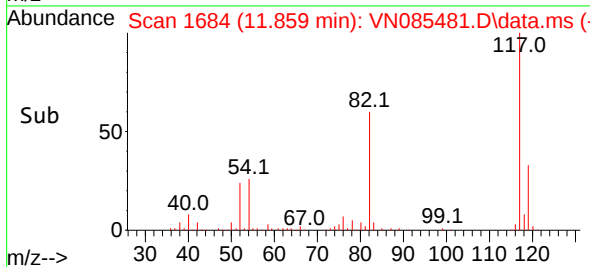
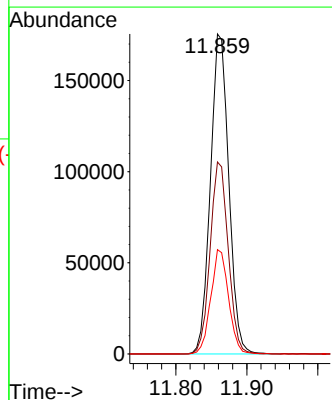
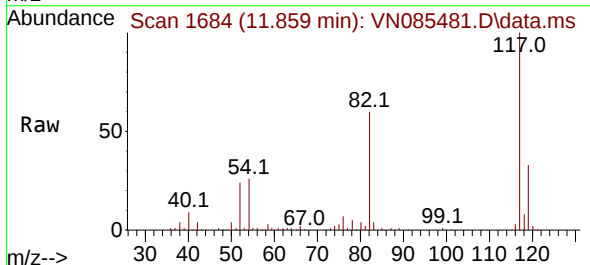
Instrument :  
MSVOA\_N  
ClientSampleId :

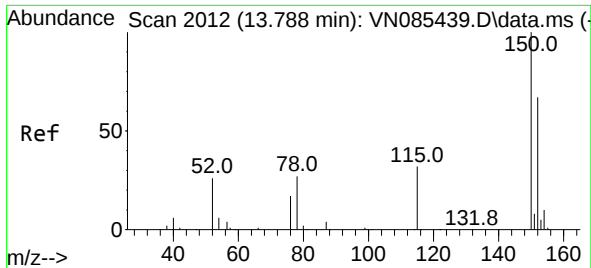
Tgt Ion: 95 Resp: 142880  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 145.0  
176 70.8 0.0 142.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.859 min Scan# 1684  
Delta R.T. -0.006 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

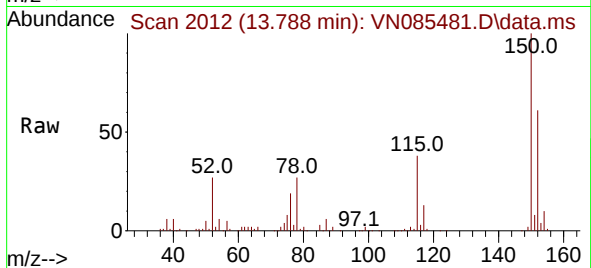
Tgt Ion: 117 Resp: 314818  
Ion Ratio Lower Upper  
117 100  
82 60.0 48.6 72.8  
119 32.6 26.6 39.8



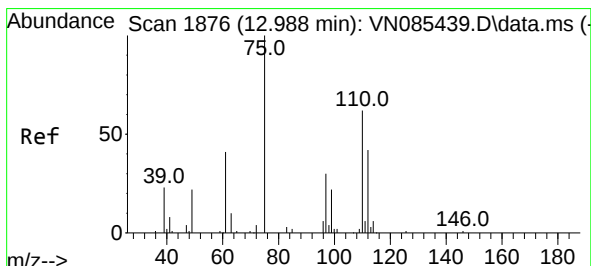
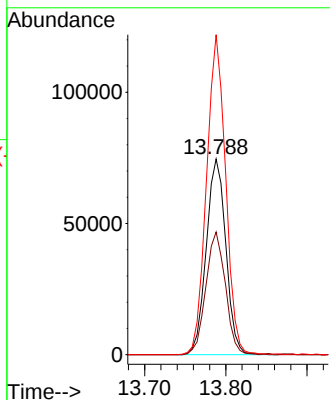
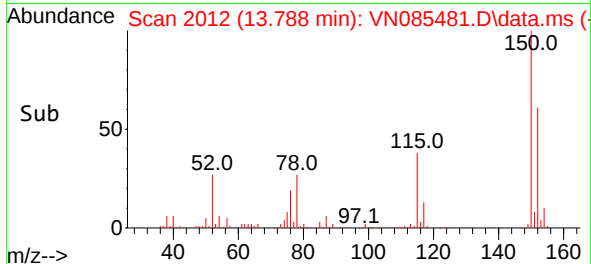


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Instrument :  
MSVOA\_N  
ClientSampleId :

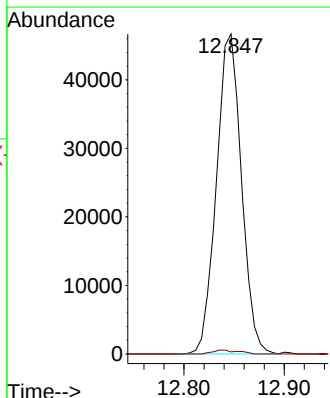
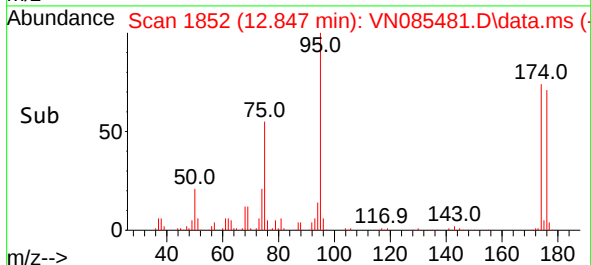
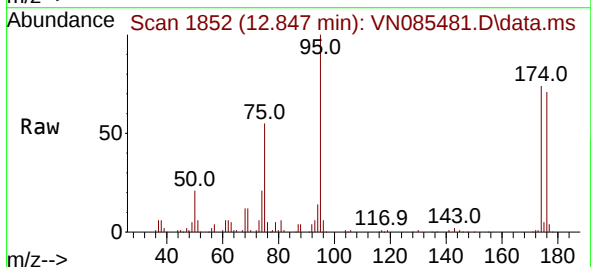


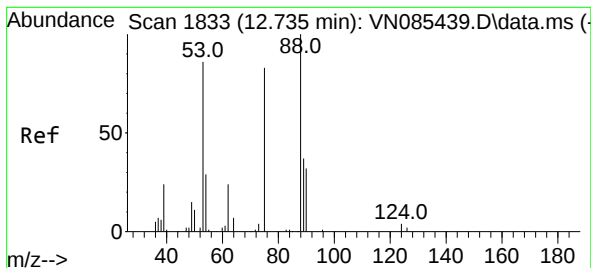
Tgt Ion:152 Resp: 125050  
Ion Ratio Lower Upper  
152 100  
115 62.5 31.1 93.3  
150 159.4 0.0 343.6



#76  
1,2,3-Trichloropropane  
Concen: 31.820 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Tgt Ion: 75 Resp: 80875  
Ion Ratio Lower Upper  
75 100  
77 1.2 109.7 329.2#

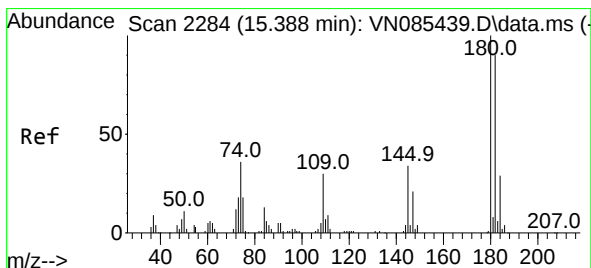
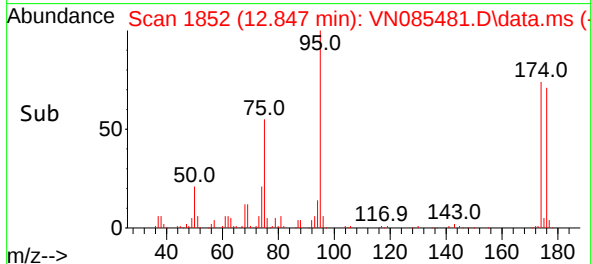
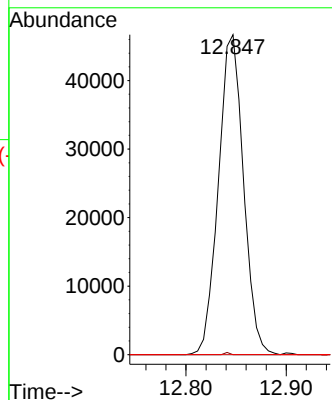
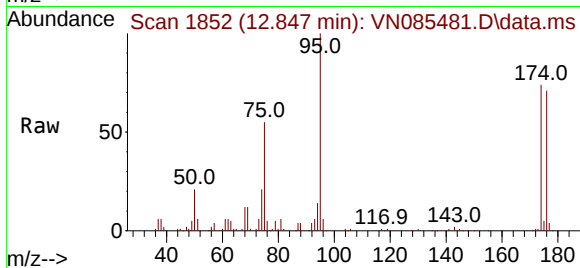




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 86.090 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. 0.112 min  
 Lab File: VN085481.D  
 Acq: 17 Jan 2025 10:16

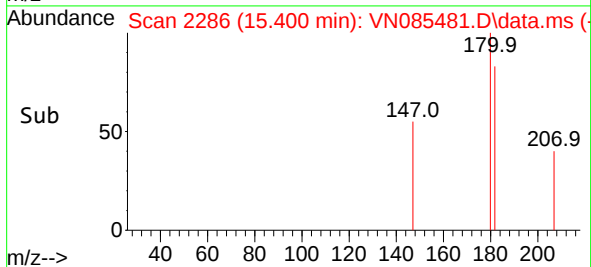
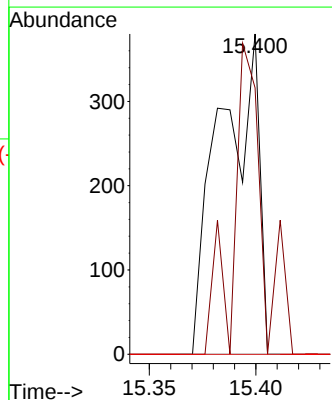
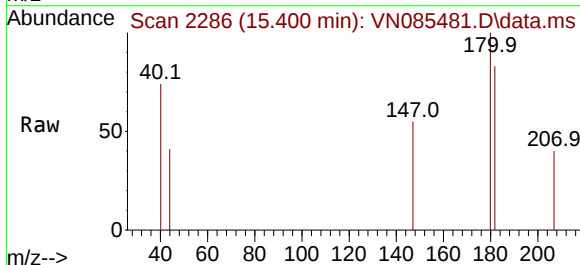
Instrument :  
 MSVOA\_N  
 ClientSampleId :

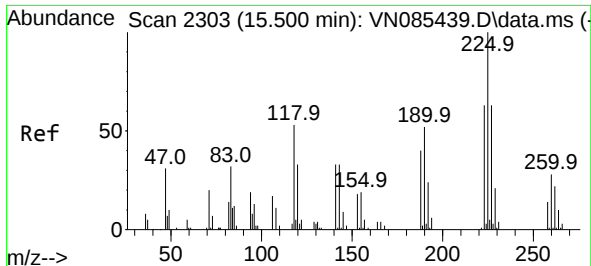
Tgt Ion: 75 Resp: 80875  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 95.6 143.4#  
 89 0.0 37.0 55.6#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.257 ug/l  
 RT: 15.400 min Scan# 2286  
 Delta R.T. 0.012 min  
 Lab File: VN085481.D  
 Acq: 17 Jan 2025 10:16

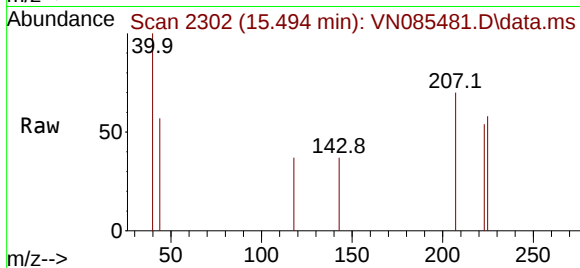
Tgt Ion: 180 Resp: 483  
 Ion Ratio Lower Upper  
 180 100  
 182 73.3 46.8 140.3  
 145 0.0 16.0 48.0#



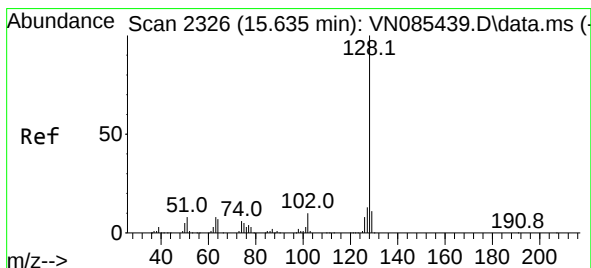
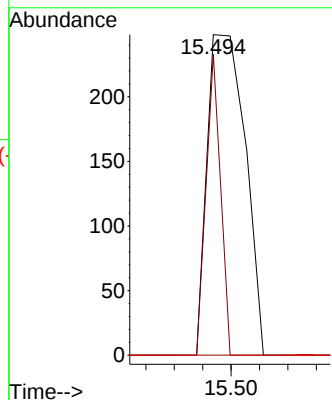
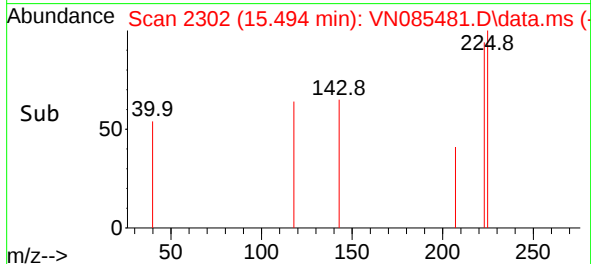


#94  
Hexachlorobutadiene  
Concen: 0.231 ug/l  
RT: 15.494 min Scan# 2302  
Delta R.T. -0.006 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

Instrument :  
MSVOA\_N  
ClientSampleId :

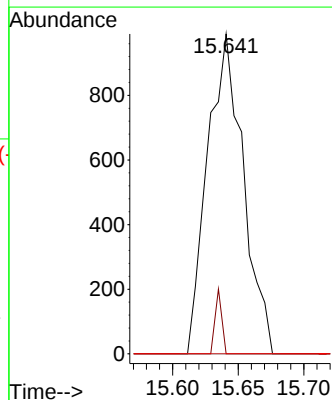
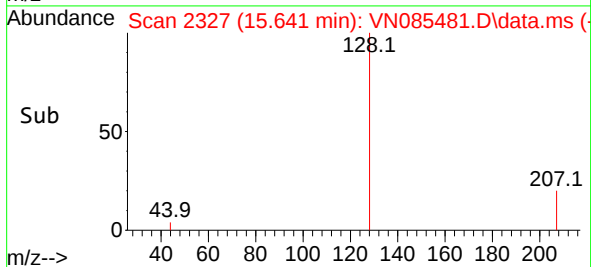
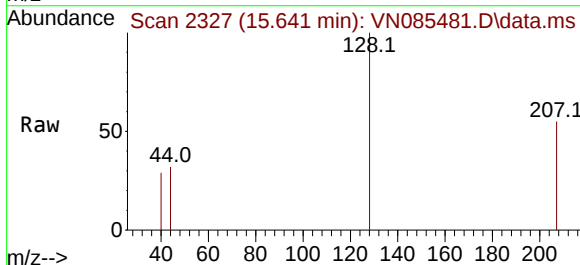


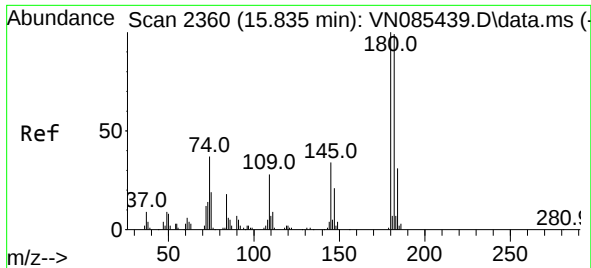
Tgt Ion:225 Resp: 231  
Ion Ratio Lower Upper  
225 100  
223 35.5 30.7 92.1  
227 0.0 30.9 92.5#



#95  
Naphthalene  
Concen: 0.334 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN085481.D  
Acq: 17 Jan 2025 10:16

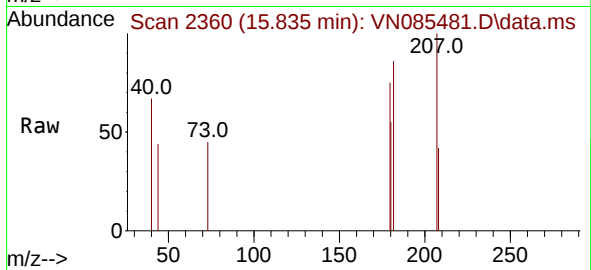
Tgt Ion:128 Resp: 1876  
Ion Ratio Lower Upper  
128 100  
127 3.8 10.6 16.0#  
129 0.0 8.8 13.2#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.327 ug/l  
 RT: 15.835 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN085481.D  
 Acq: 17 Jan 2025 10:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion:180 Resp: 623  
 Ion Ratio Lower Upper  
 180 100  
 182 67.9 47.4 142.2  
 145 0.0 16.9 50.7#

