

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012825\  
 Data File : VN085535.D  
 Acq On : 28 Jan 2025 13:49  
 Operator : JC\MD  
 Sample : Q1199-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jan 29 00:38:47 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

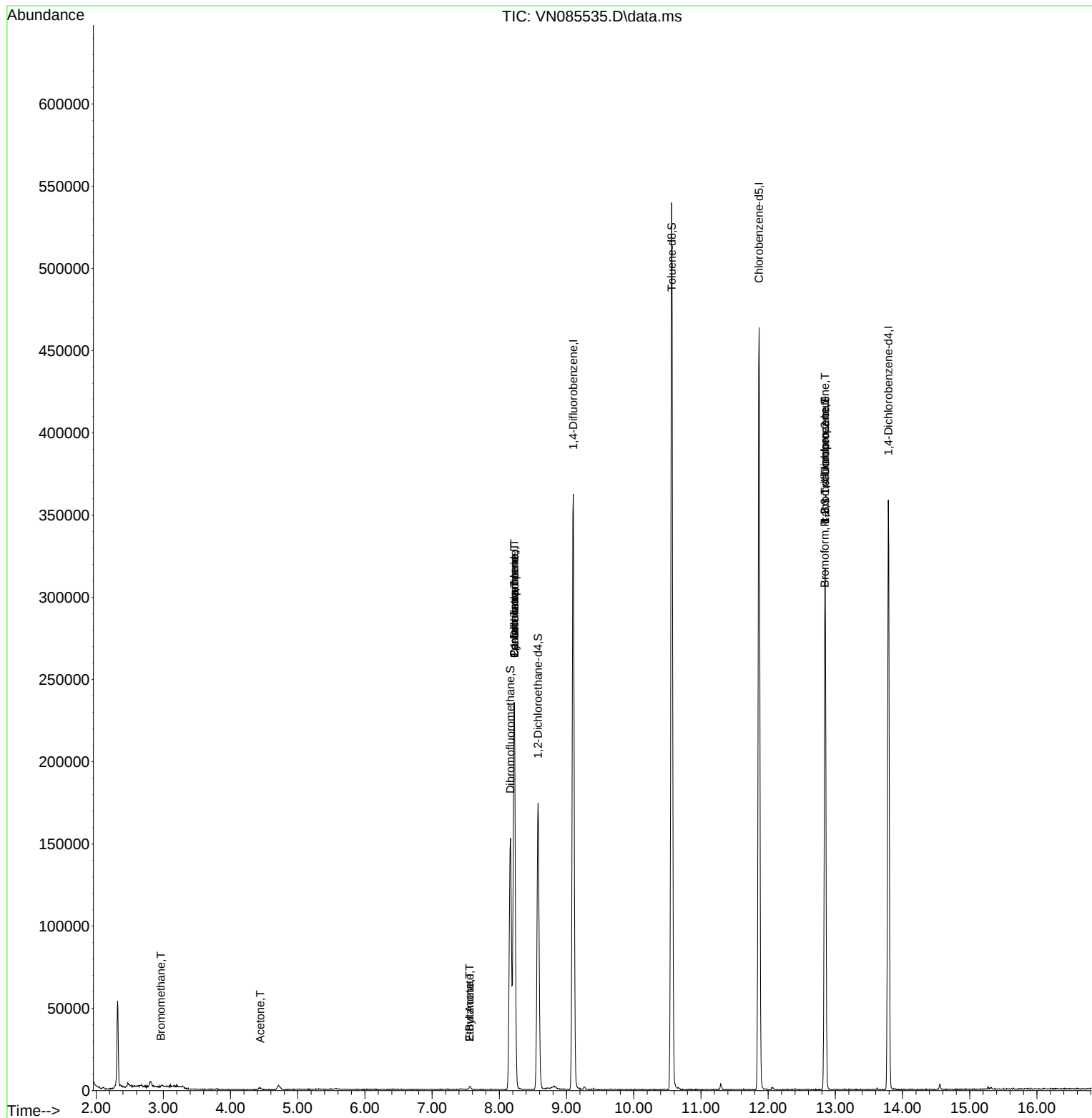
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 158329   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 293573   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 250987   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152   | 92670    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 144816   | 56.663   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 113.320% |
| 35) Dibromofluoromethane      | 8.165  | 113   | 109419   | 53.724   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 107.440% |
| 50) Toluene-d8                | 10.565 | 98    | 357973   | 49.469   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 98.940%  |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 107196   | 43.305   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 86.620%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 2.965  | 94    | 643      | 0.456    | ug/l # | 76       |
| 16) Acetone                   | 4.442  | 43    | 2230     | 2.700    | ug/l   | 93       |
| 25) 2-Butanone                | 7.559  | 43    | 3260     | 2.683    | ug/l # | 50       |
| 31) Cyclohexane               | 8.224  | 56    | 4493     | 1.385    | ug/l # | 36       |
| 36) 1,1-Dichloropropene       | 8.224  | 75    | 15602    | 5.458    | ug/l # | 52       |
| 37) Ethyl Acetate             | 7.559  | 43    | 3260     | 1.130    | ug/l # | 83       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 17354    | 5.303    | ug/l # | 18       |
| 71) Bromoform                 | 12.841 | 173   | 575      | 0.398    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 58072    | 30.831   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 58072    | 83.416   | ug/l # | 3        |
| -----                         |        |       |          |          |        |          |

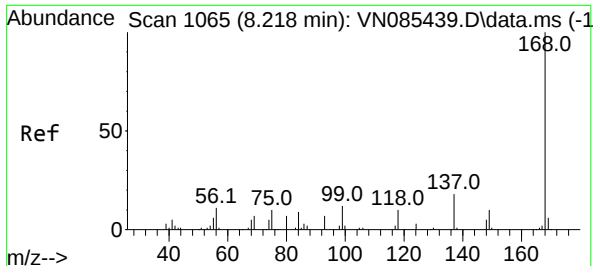
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q1199-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

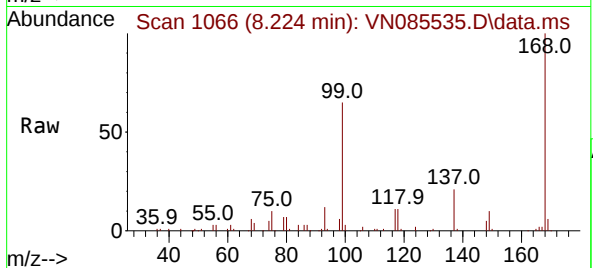
Quant Time: Jan 29 00:38:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



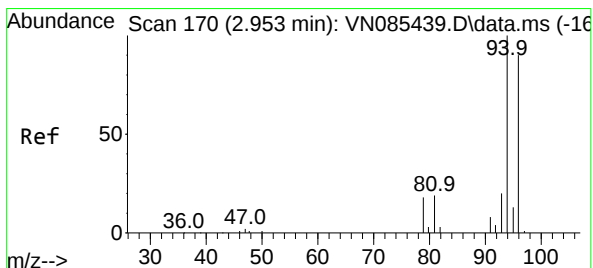
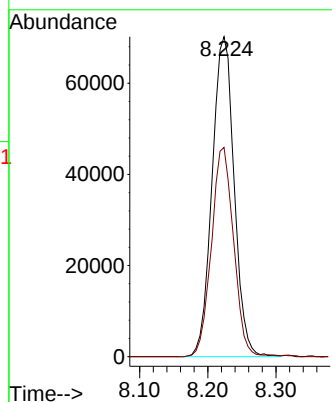
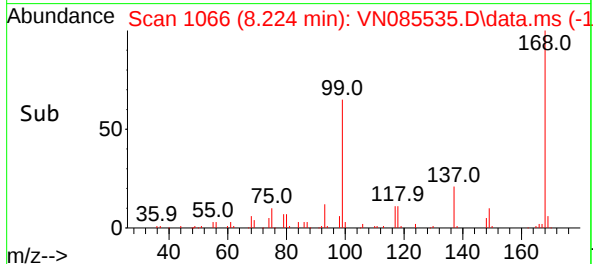


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Instrument :  
MSVOA\_N  
ClientSampleId :

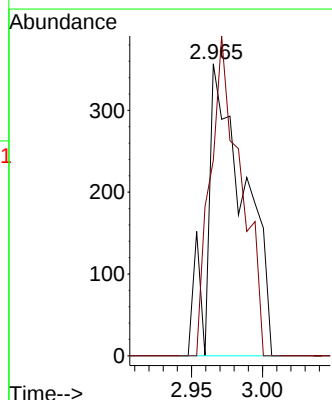
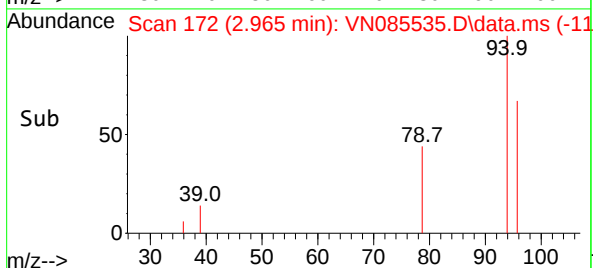
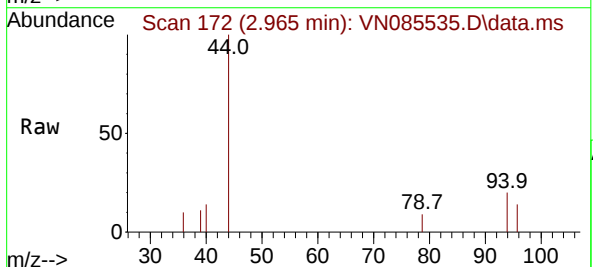


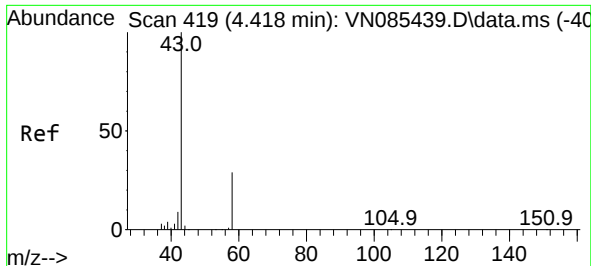
Tgt Ion:168 Resp: 158329  
Ion Ratio Lower Upper  
168 100  
99 65.4 53.6 80.4



#5  
Bromomethane  
Concen: 0.456 ug/l  
RT: 2.965 min Scan# 172  
Delta R.T. 0.012 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

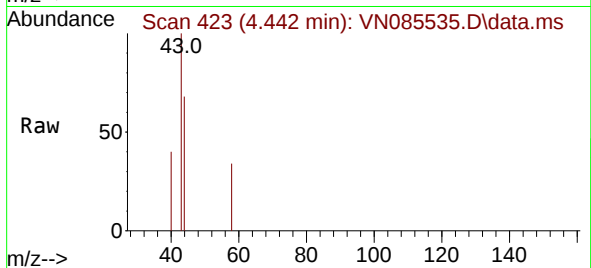
Tgt Ion: 94 Resp: 643  
Ion Ratio Lower Upper  
94 100  
96 66.9 71.8 107.6#



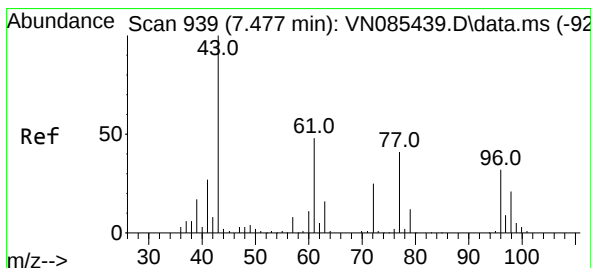
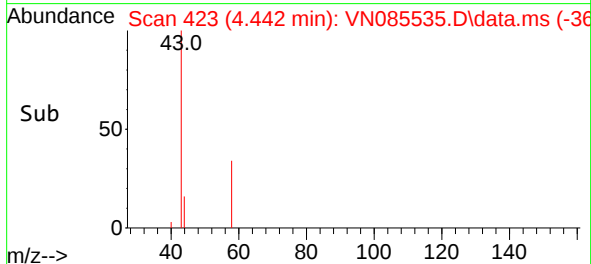
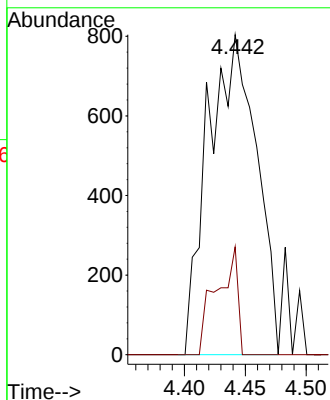


#16  
Acetone  
Concen: 2.700 ug/l  
RT: 4.442 min Scan# 419  
Delta R.T. 0.024 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Instrument :  
MSVOA\_N  
ClientSampleId :

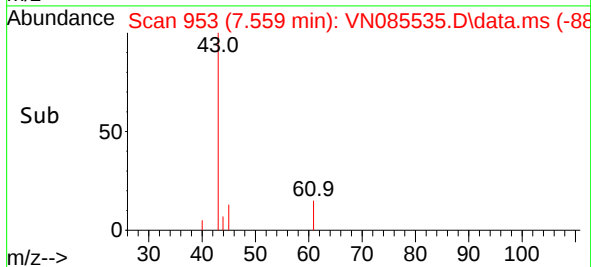
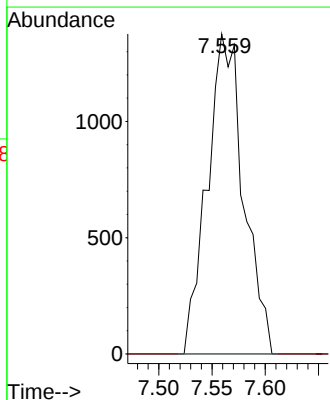
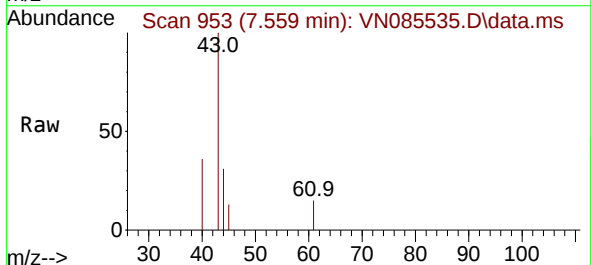


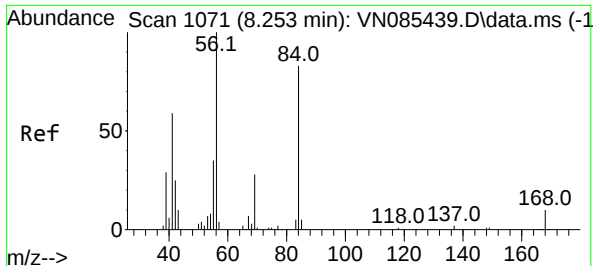
Tgt Ion: 43 Resp: 2230  
Ion Ratio Lower Upper  
43 100  
58 33.7 23.8 35.6



#25  
2-Butanone  
Concen: 2.683 ug/l  
RT: 7.559 min Scan# 953  
Delta R.T. 0.082 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

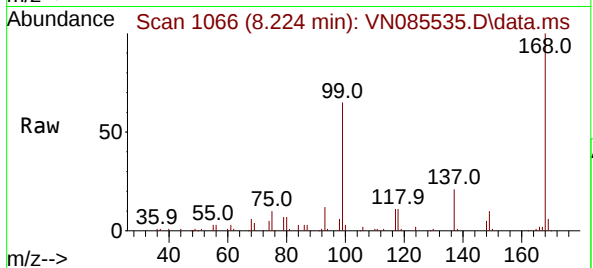
Tgt Ion: 43 Resp: 3260  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.2 30.4#



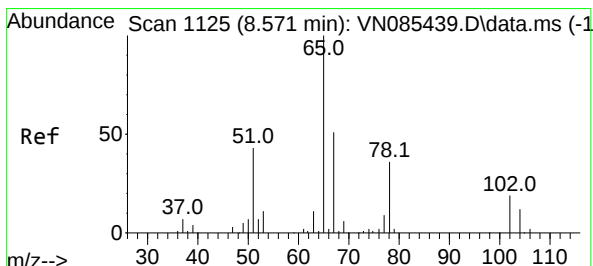
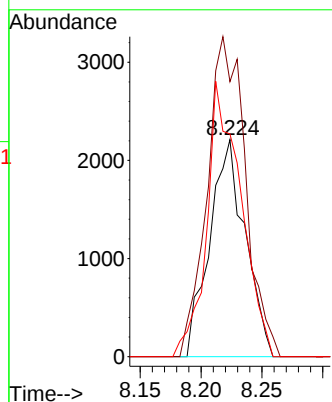
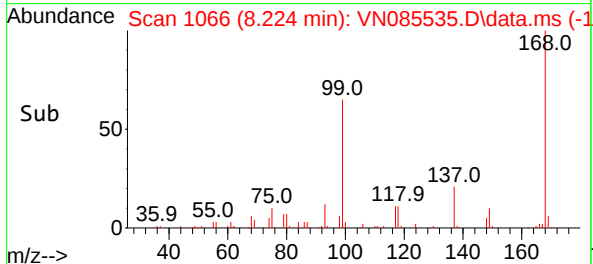


#31  
Cyclohexane  
Concen: 1.385 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

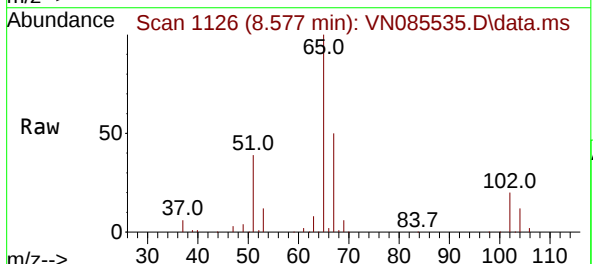
Instrument :  
MSVOA\_N  
ClientSampleId :



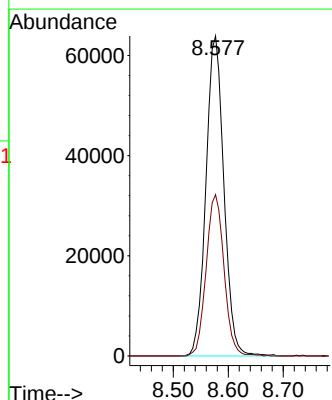
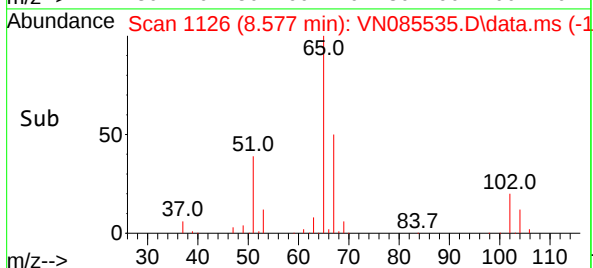
Tgt Ion: 56 Resp: 4493  
Ion Ratio Lower Upper  
56 100  
69 126.7 22.2 33.4#  
84 102.6 66.4 99.6#

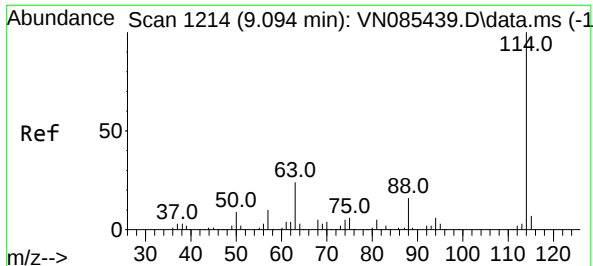


#33  
1,2-Dichloroethane-d4  
Concen: 56.663 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49



Tgt Ion: 65 Resp: 144816  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085535.D

Acq: 28 Jan 2025 13:49

Instrument :

MSVOA\_N

ClientSampleId :

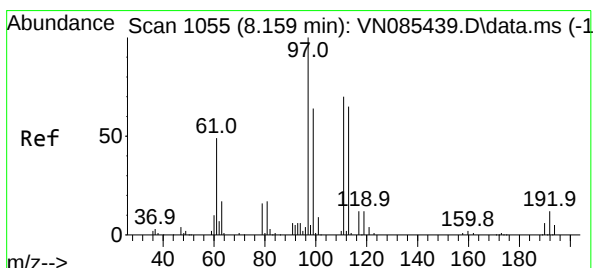
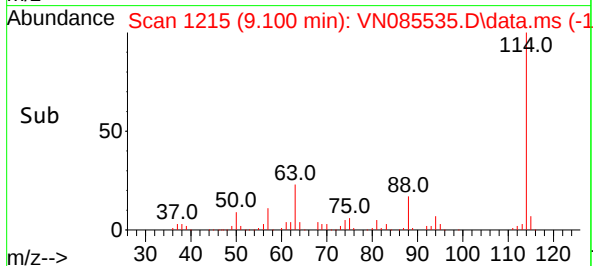
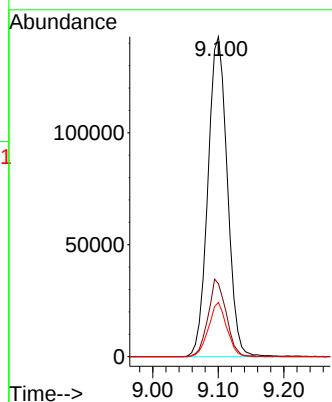
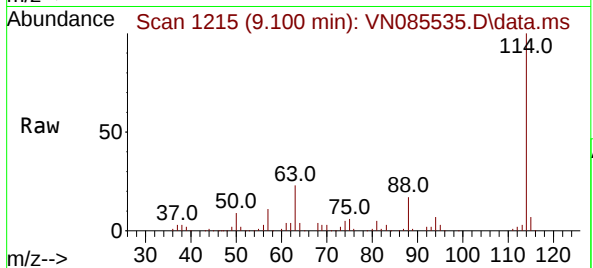
Tgt Ion:114 Resp: 293573

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.6

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.724 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085535.D

Acq: 28 Jan 2025 13:49

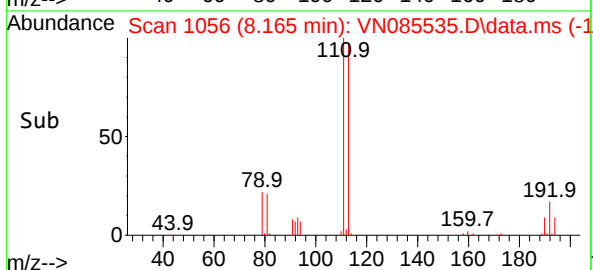
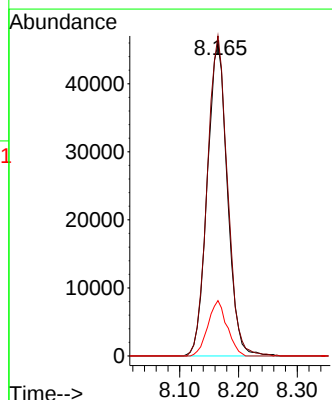
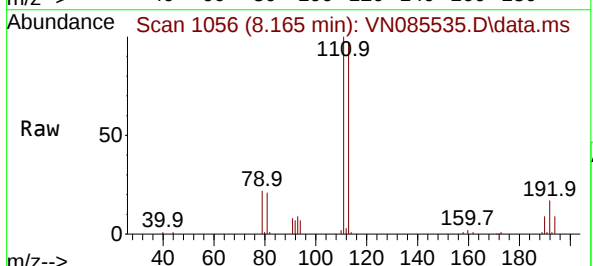
Tgt Ion:113 Resp: 109419

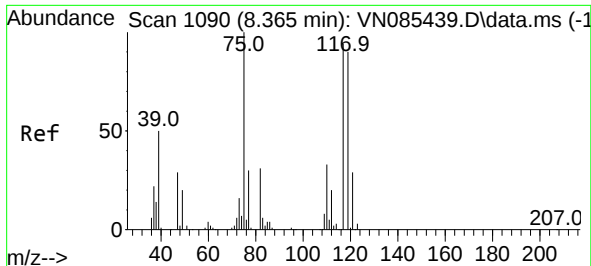
Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

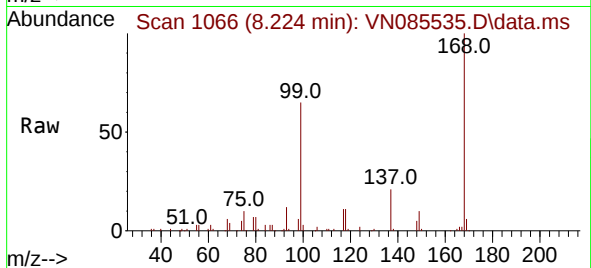
192 16.8 14.3 21.5



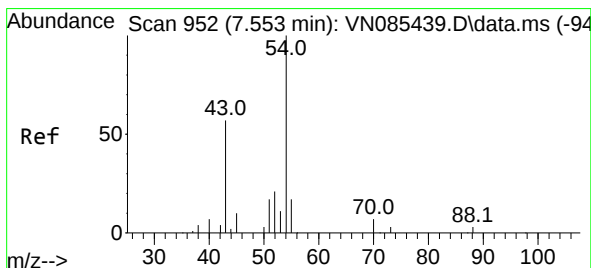
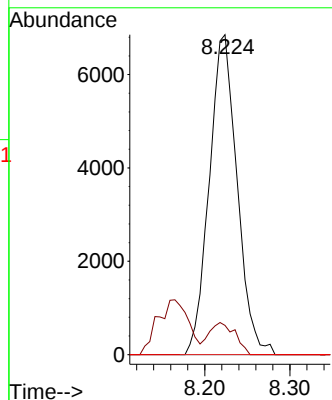
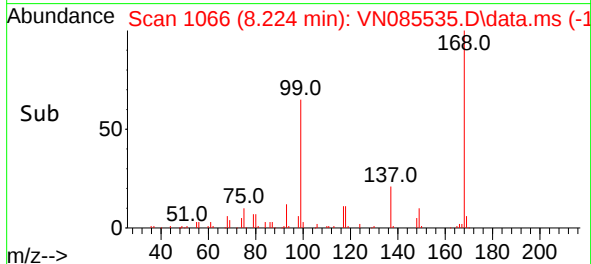


#36  
1,1-Dichloropropene  
Concen: 5.458 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.141 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Instrument :  
MSVOA\_N  
ClientSampleId :

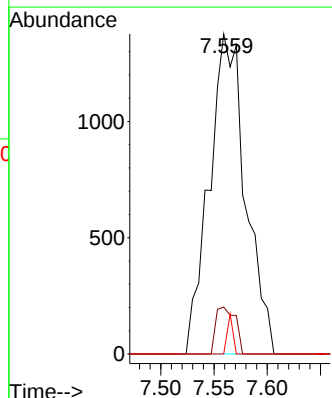
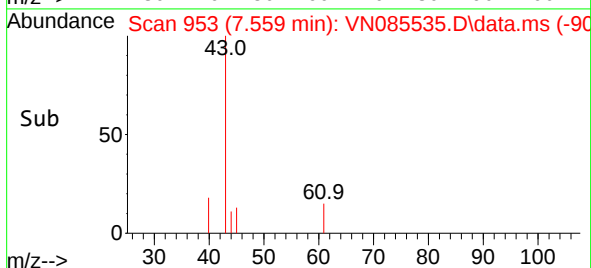
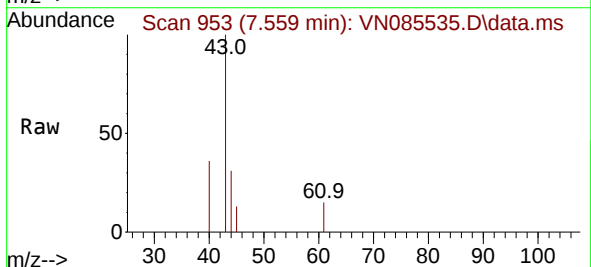


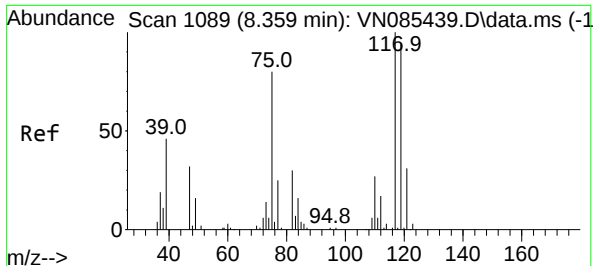
Tgt Ion: 75 Resp: 15602  
Ion Ratio Lower Upper  
75 100  
110 9.5 16.5 49.5#  
77 0.0 24.4 36.6#



#37  
Ethyl Acetate  
Concen: 1.130 ug/l  
RT: 7.559 min Scan# 953  
Delta R.T. 0.006 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

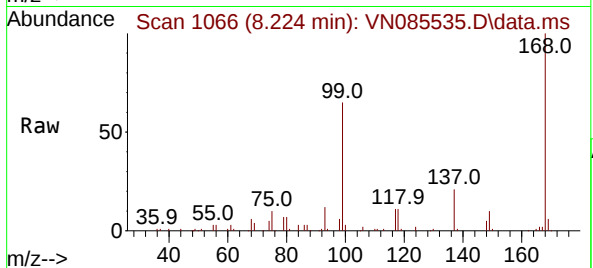
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Ion Ratio Lower Upper  
43 100  
61 7.9 10.9 16.3#  
70 1.9 7.5 11.3#



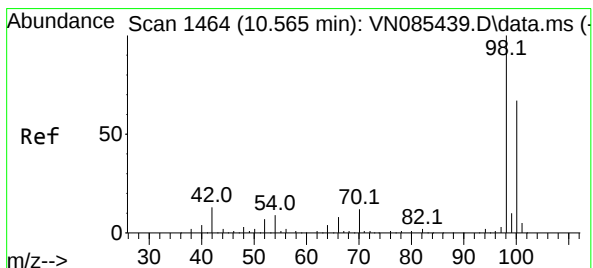
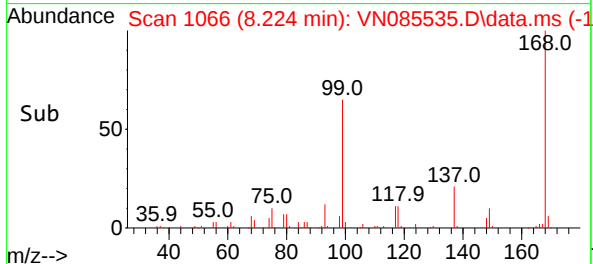
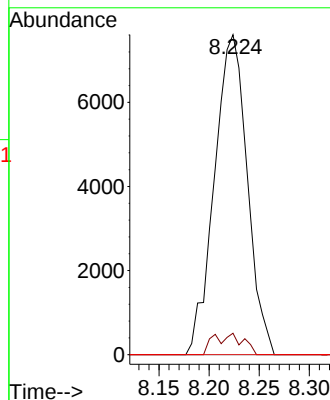


#38  
Carbon Tetrachloride  
Concen: 5.303 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.135 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Instrument :  
MSVOA\_N  
ClientSampleId :

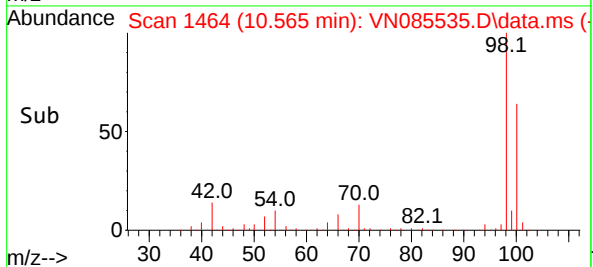
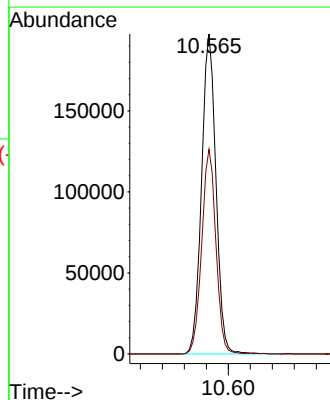
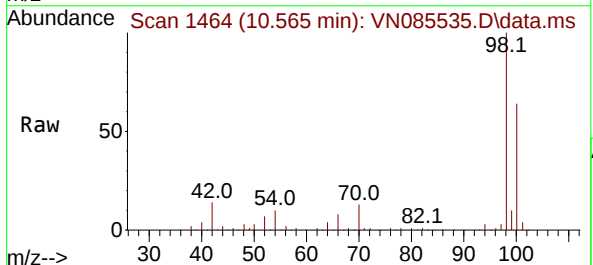


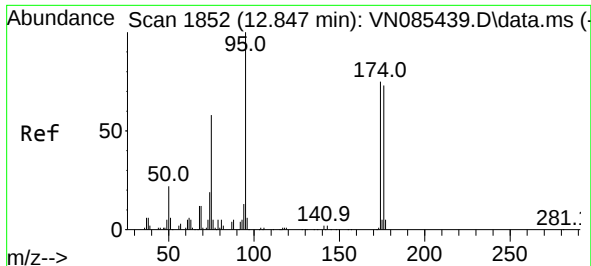
Tgt Ion:117 Resp: 17354  
Ion Ratio Lower Upper  
117 100  
119 6.7 75.4 113.2#  
121 0.0 24.6 37.0#



#50  
Toluene-d8  
Concen: 49.469 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Tgt Ion: 98 Resp: 357973  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.2 78.4

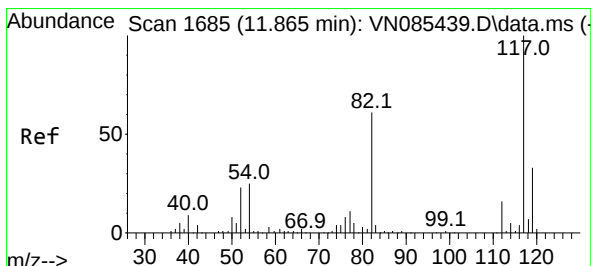
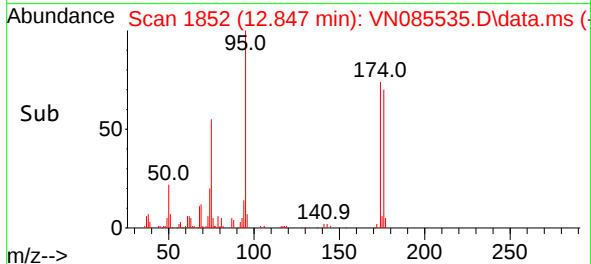
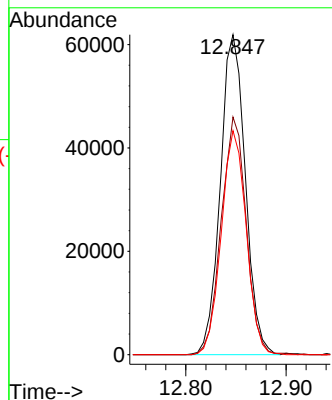
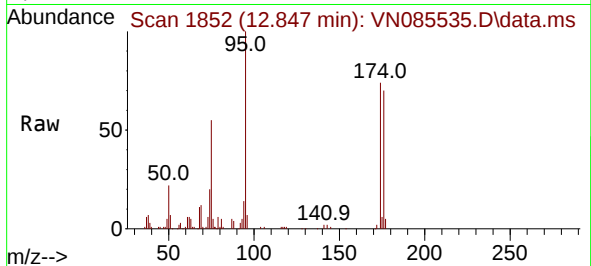




#62  
4-Bromofluorobenzene  
Concen: 43.305 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

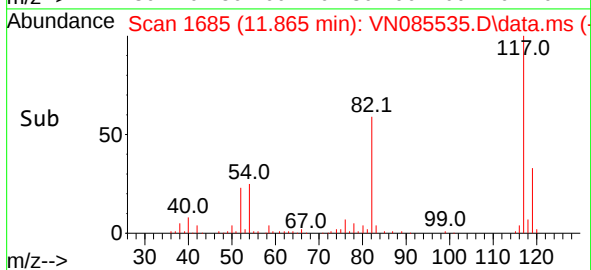
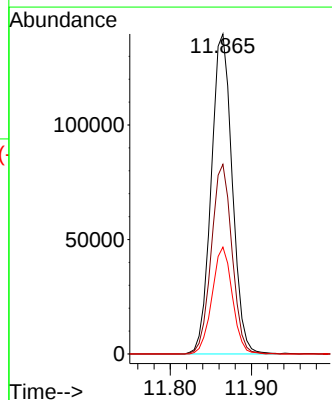
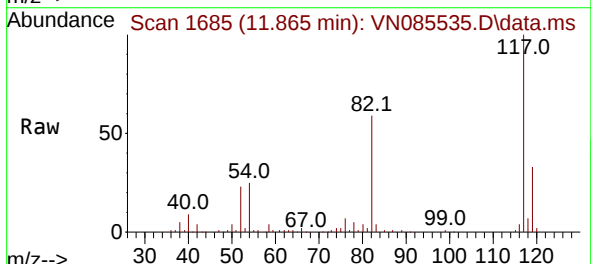
Instrument :  
MSVOA\_N  
ClientSampleId :

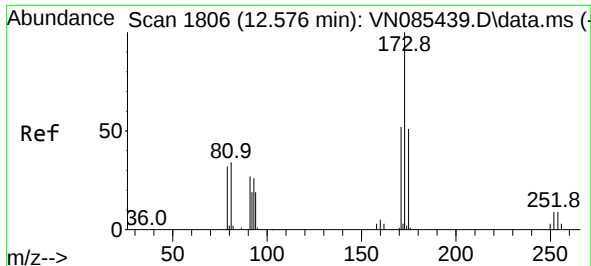
Tgt Ion: 95 Resp: 107196  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 145.0  
176 69.7 0.0 142.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Tgt Ion: 117 Resp: 250987  
Ion Ratio Lower Upper  
117 100  
82 59.3 48.6 72.8  
119 33.4 26.6 39.8

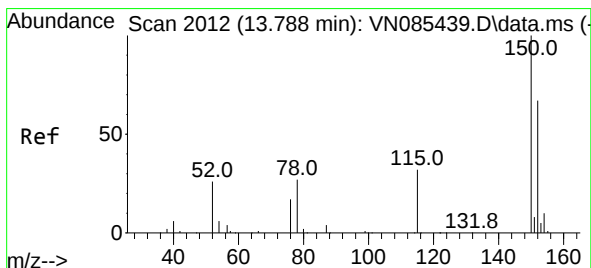
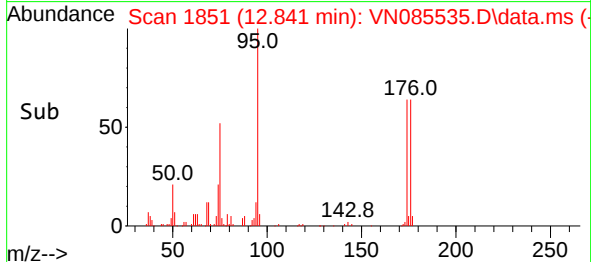
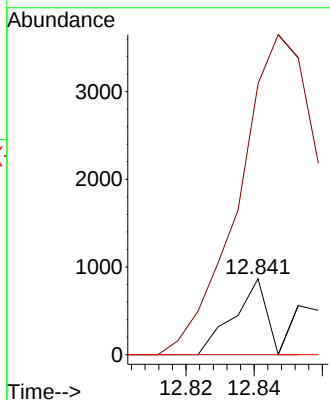
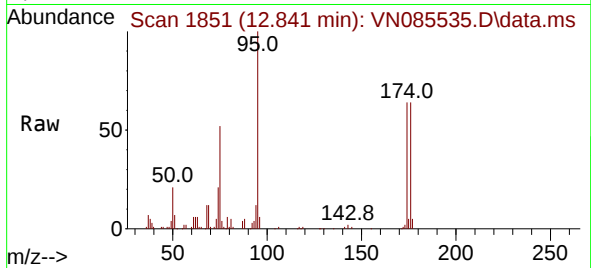




#71  
Bromoform  
Concen: 0.398 ug/l  
RT: 12.841 min Scan# 1806  
Delta R.T. 0.265 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

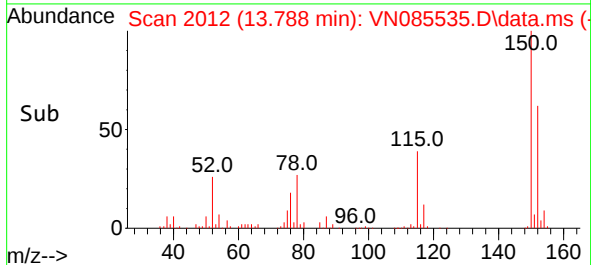
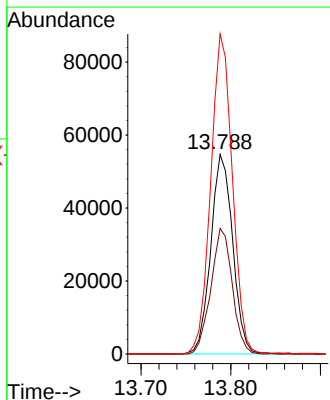
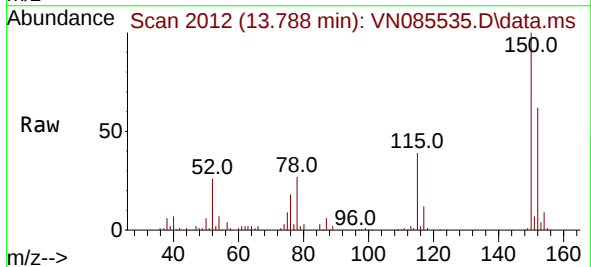
Instrument :  
MSVOA\_N  
ClientSampleId :

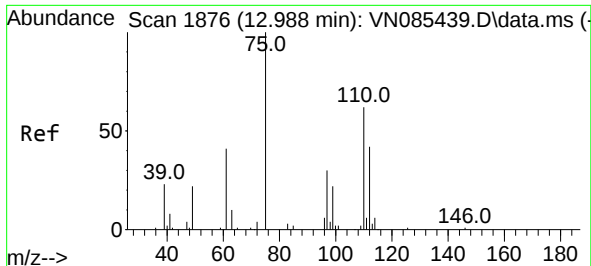
Tgt Ion:173 Resp: 575  
Ion Ratio Lower Upper  
173 100  
175 826.8 24.4 73.2#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Tgt Ion:152 Resp: 92670  
Ion Ratio Lower Upper  
152 100  
115 61.4 31.1 93.3  
150 158.3 0.0 343.6

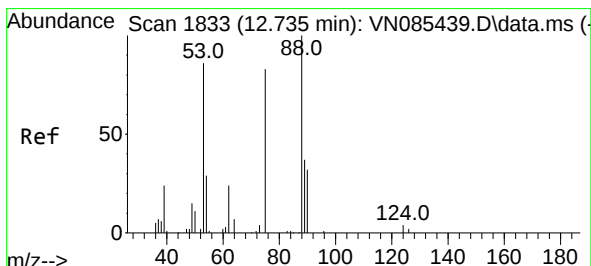
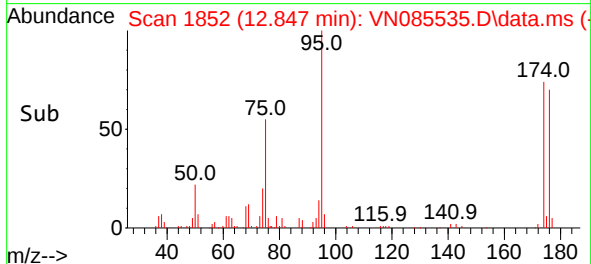
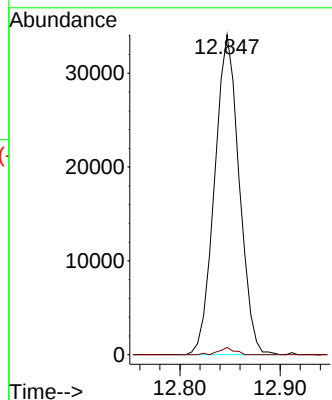
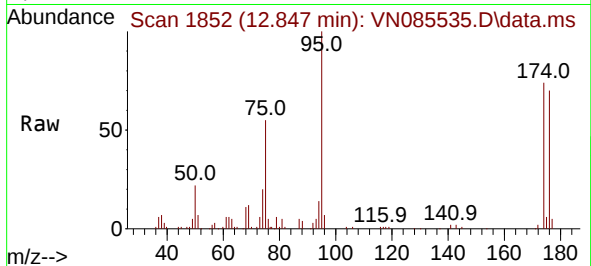




#76  
1,2,3-Trichloropropane  
Concen: 30.831 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 58072  
Ion Ratio Lower Upper  
75 100  
77 1.4 109.7 329.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.416 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Tgt Ion: 75 Resp: 58072  
Ion Ratio Lower Upper  
75 100  
53 0.1 95.6 143.4#  
89 0.0 37.0 55.6#

