

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102224\  
 Data File : VN084461.D  
 Acq On : 22 Oct 2024 17:57  
 Operator : JC\MD  
 Sample : P4475-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 23 01:31:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

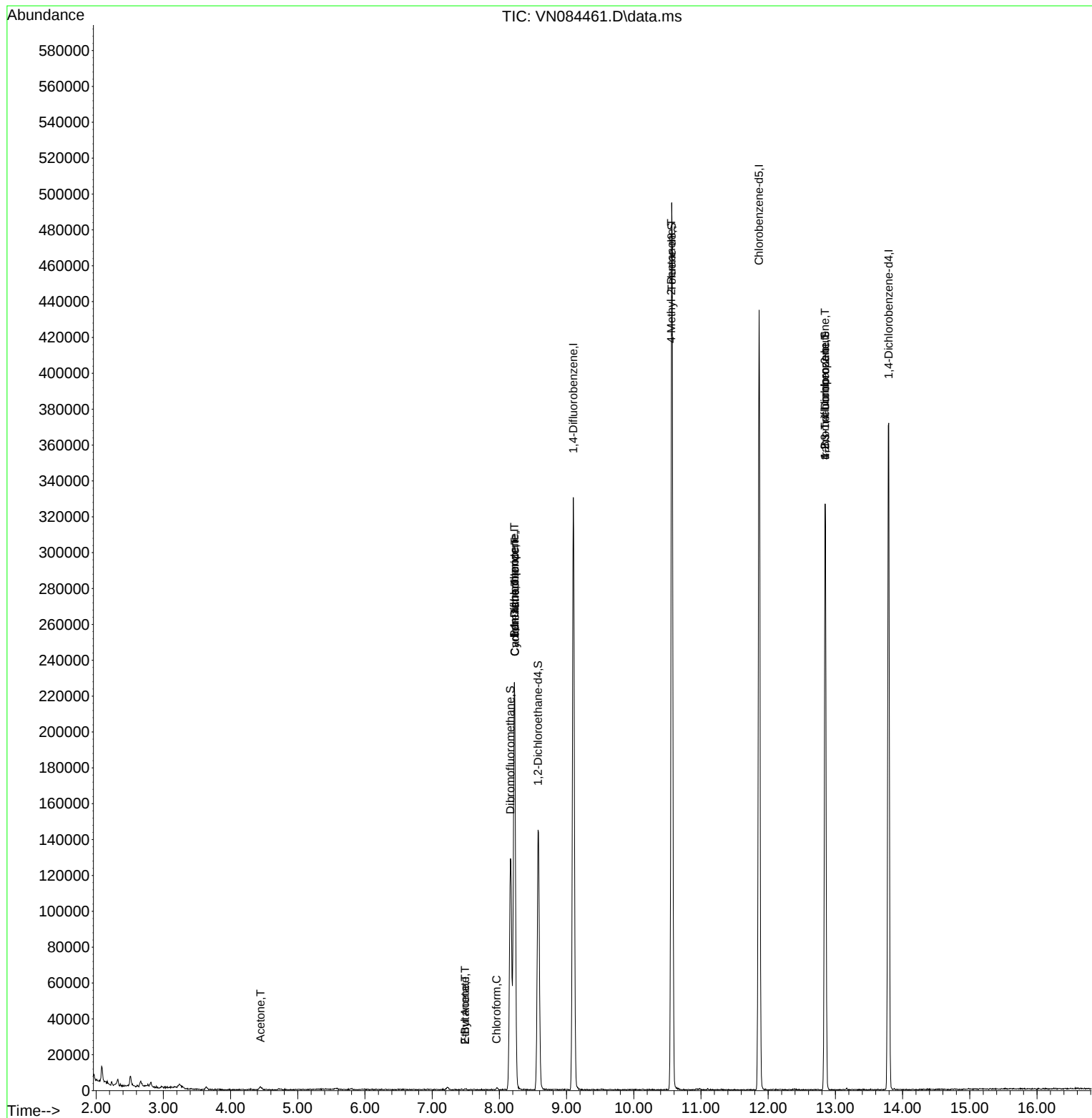
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 163076     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 278181     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 246196     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 100139     | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.576          | 65   | 119877     | 49.579   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 99.160%  |        |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 96551      | 52.647   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 105.300% |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 339927     | 50.380   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 100.760% |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 116722     | 47.485   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = | 94.960%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 16) Acetone                   | 4.447          | 43   | 2851       | 2.745    | ug/l # | 76       |
| 25) 2-Butanone                | 7.488          | 43   | 693        | 0.490    | ug/l # | 48       |
| 30) Chloroform                | 7.959          | 83   | 1005       | 0.262    | ug/l   | 88       |
| 31) Cyclohexane               | 8.229          | 56   | 3634       | 1.015    | ug/l # | 4        |
| 36) 1,1-Dichloropropene       | 8.224          | 75   | 14105      | 5.295    | ug/l # | 50       |
| 37) Ethyl Acetate             | 7.488          | 43   | 693        | 0.254    | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 8.229          | 117  | 18583      | 6.359    | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.559         | 43   | 1500       | 0.577    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 60383      | 29.536   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 60383      | 70.812   | ug/l # | 11       |
| -----                         |                |      |            |          |        |          |

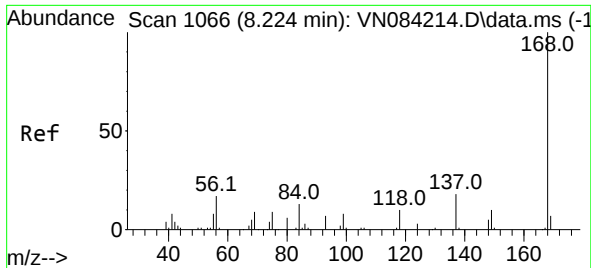
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102224\  
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Sample : P4475-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

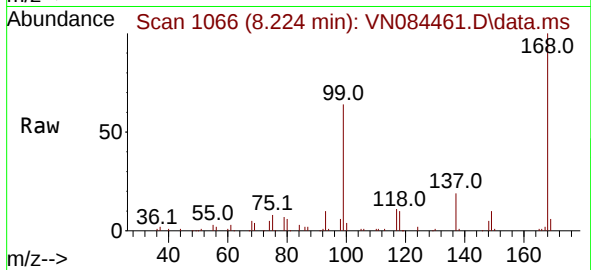
Quant Time: Oct 23 01:31:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration



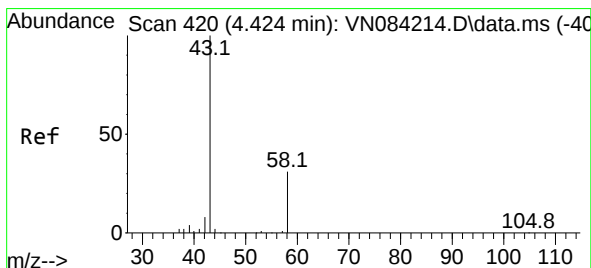
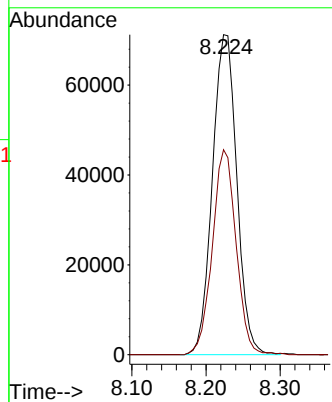
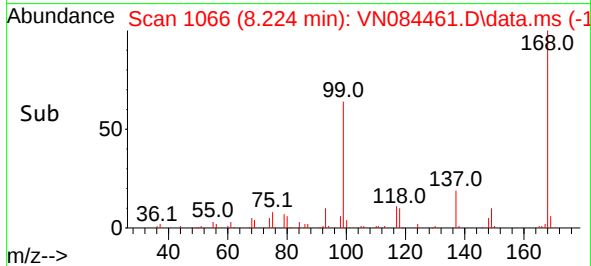


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Instrument :  
MSVOA\_N  
ClientSampleId :

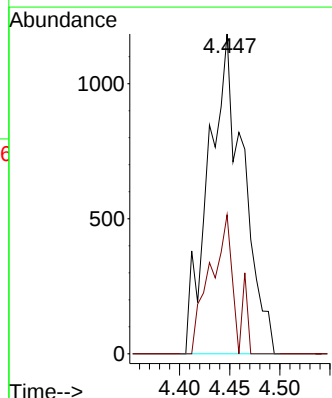
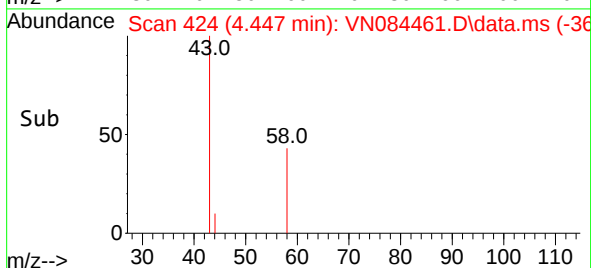
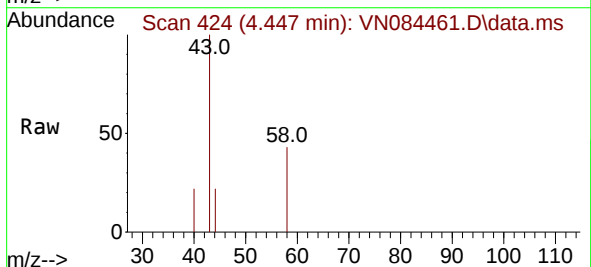


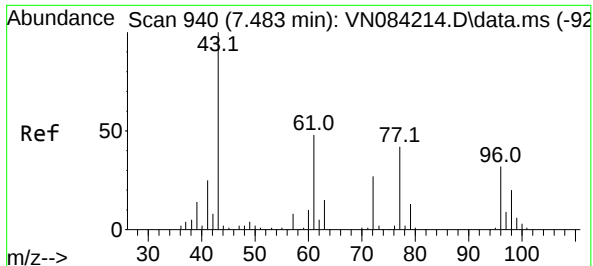
Tgt Ion:168 Resp: 163076  
Ion Ratio Lower Upper  
168 100  
99 64.1 54.2 81.2



#16  
Acetone  
Concen: 2.745 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.023 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Tgt Ion: 43 Resp: 2851  
Ion Ratio Lower Upper  
43 100  
58 43.5 24.4 36.6#





#25

2-Butanone

Concen: 0.490 ug/l

RT: 7.488 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN084461.D

Acq: 22 Oct 2024 17:57

Instrument :

MSVOA\_N

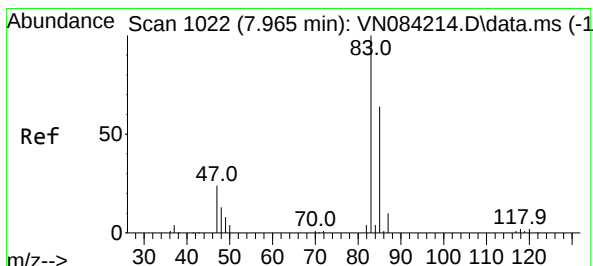
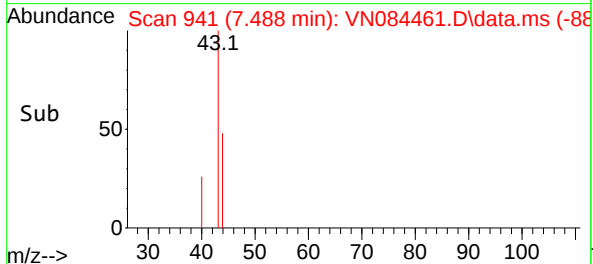
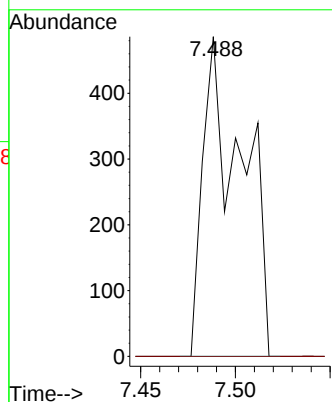
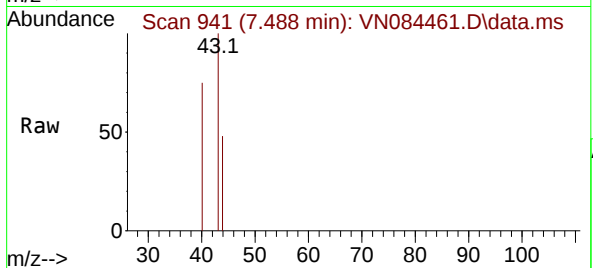
ClientSampleId :

Tgt Ion: 43 Resp: 693

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#30

Chloroform

Concen: 0.262 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN084461.D

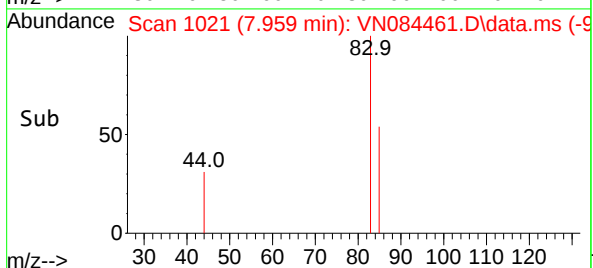
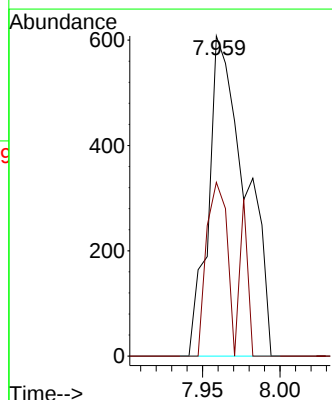
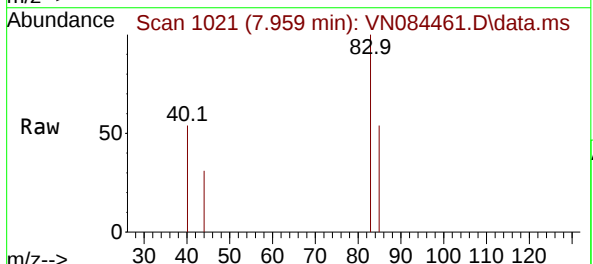
Acq: 22 Oct 2024 17:57

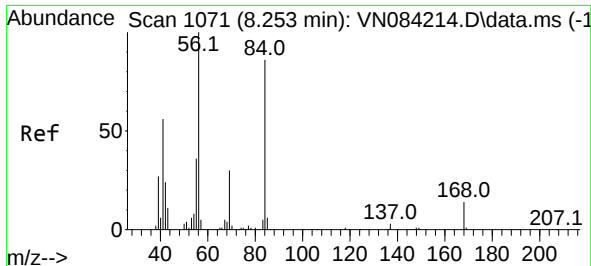
Tgt Ion: 83 Resp: 1005

Ion Ratio Lower Upper

83 100

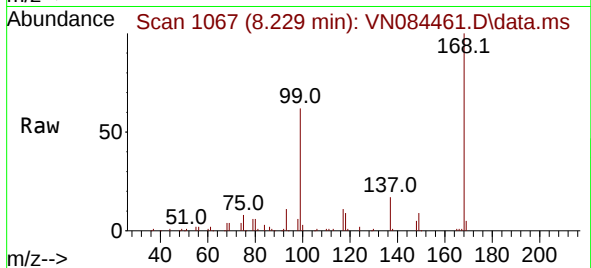
85 54.3 51.0 76.4



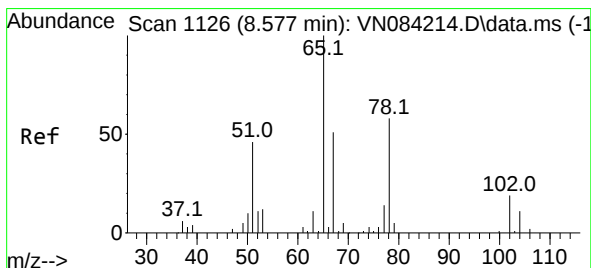
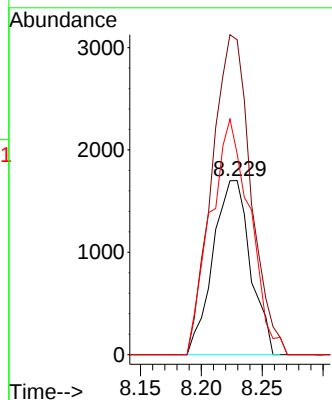
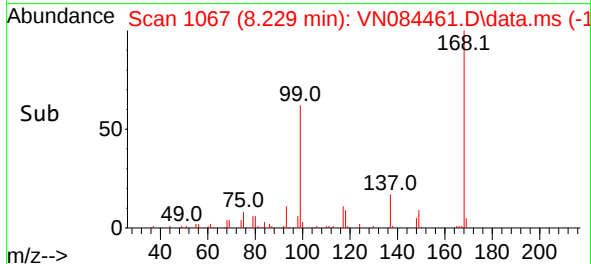


#31  
Cyclohexane  
Concen: 1.015 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.024 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Instrument :  
MSVOA\_N  
ClientSampleId :

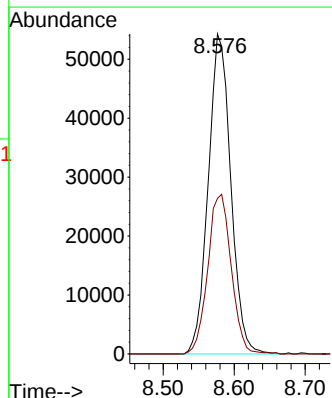
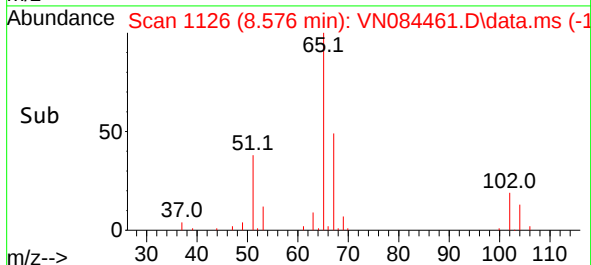
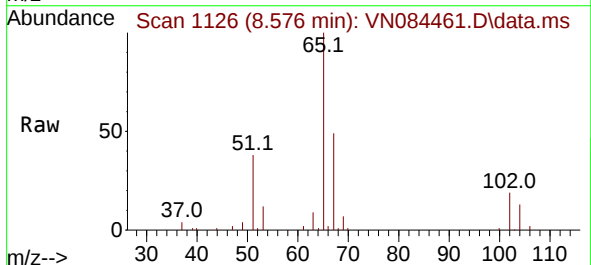


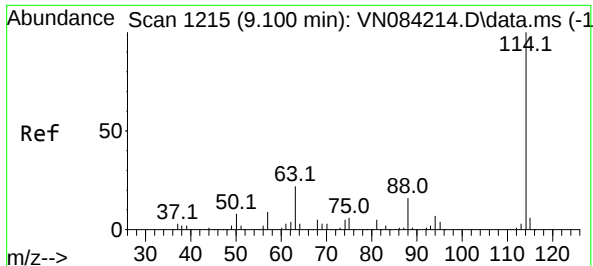
Tgt Ion: 56 Resp: 3634  
Ion Ratio Lower Upper  
56 100  
69 180.8 23.8 35.6#  
84 115.3 68.8 103.2#



#33  
1,2-Dichloroethane-d4  
Concen: 49.579 ug/l  
RT: 8.576 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Tgt Ion: 65 Resp: 119877  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 102.0

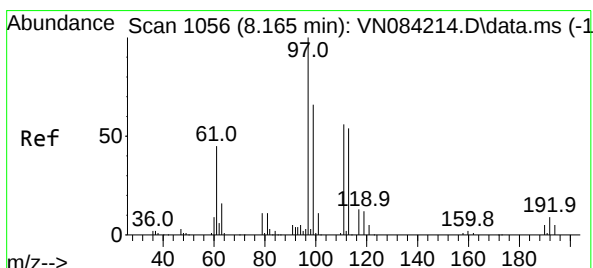
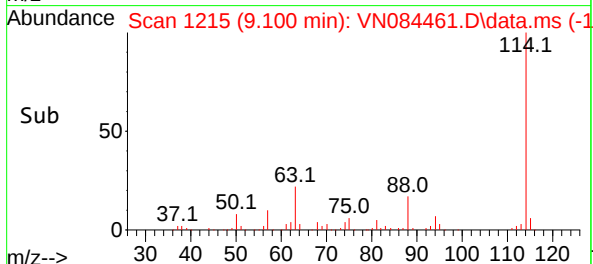
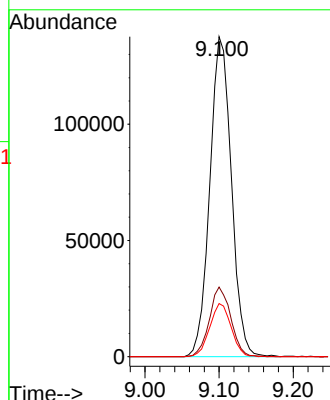
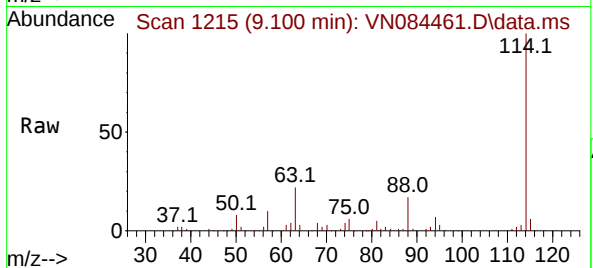




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

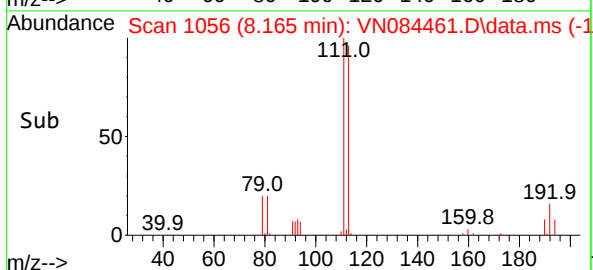
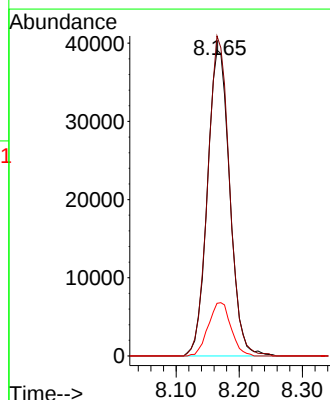
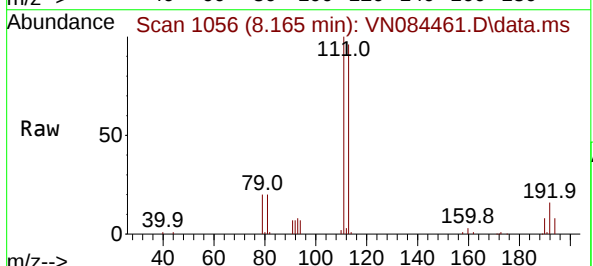
Instrument :  
MSVOA\_N  
ClientSampleId :

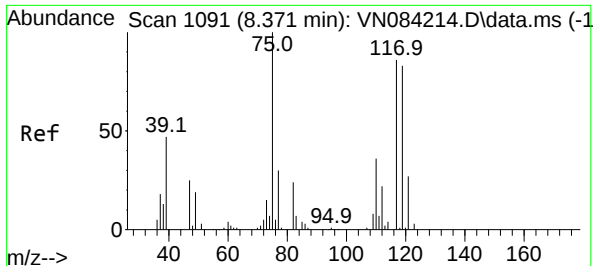
Tgt Ion:114 Resp: 278181  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 43.8  
88 16.6 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 52.647 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Tgt Ion:113 Resp: 96551  
Ion Ratio Lower Upper  
113 100  
111 101.5 83.3 124.9  
192 17.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.295 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

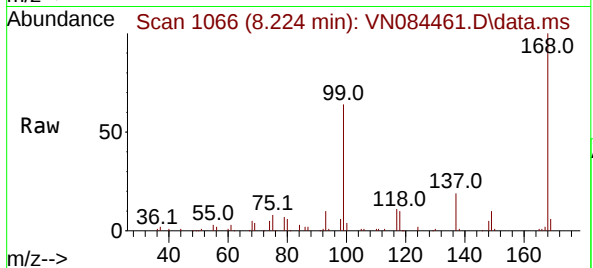
Lab File: VN084461.D

Acq: 22 Oct 2024 17:57

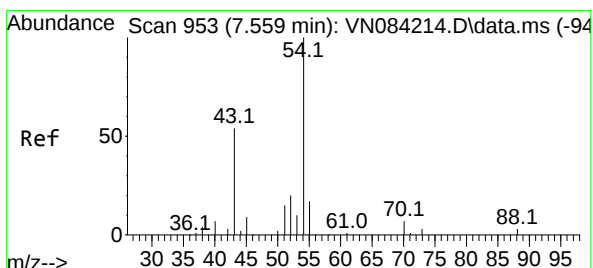
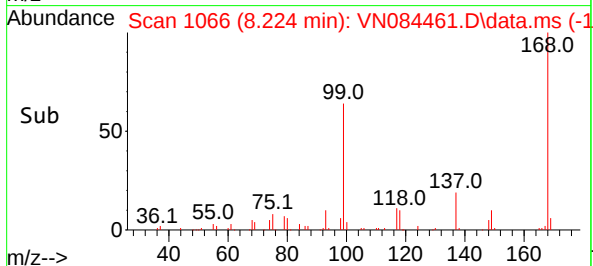
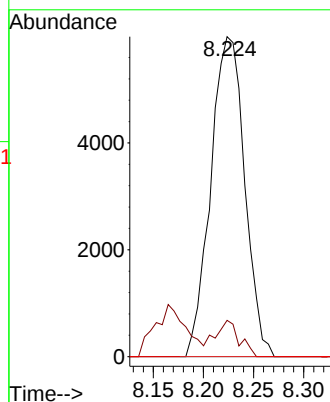
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 14105 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 8.1   | 16.9  | 50.7# |
| 77        | 0.0   | 24.7  | 37.1# |



#37

Ethyl Acetate

Concen: 0.254 ug/l

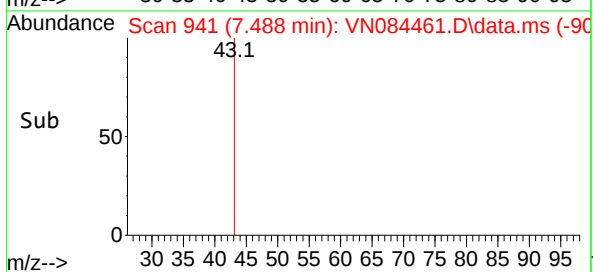
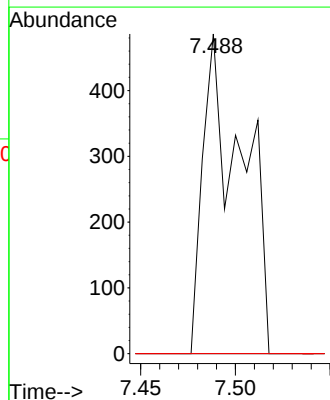
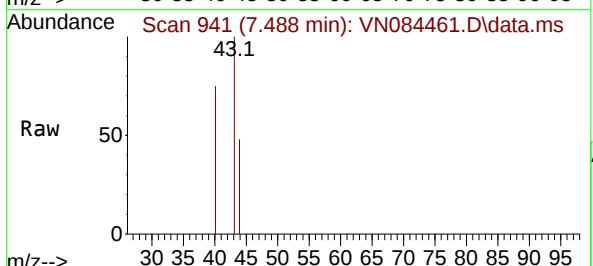
RT: 7.488 min Scan# 941

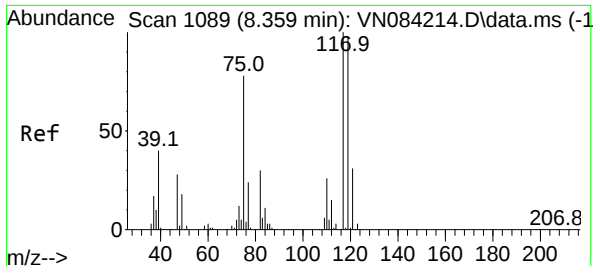
Delta R.T. -0.071 min

Lab File: VN084461.D

Acq: 22 Oct 2024 17:57

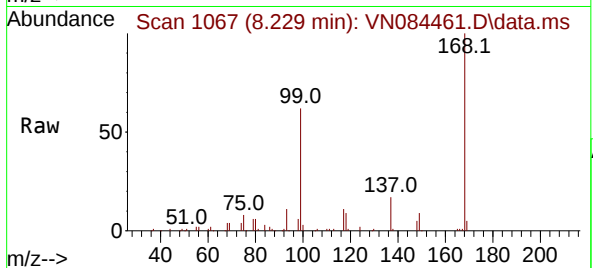
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 693   |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 0.0   | 10.7  | 16.1# |
| 70        | 0.0   | 8.8   | 13.2# |



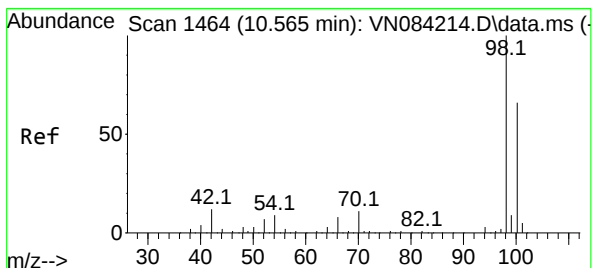
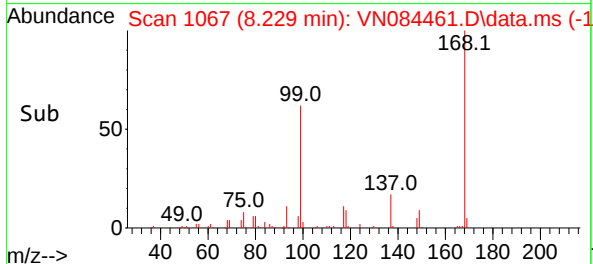
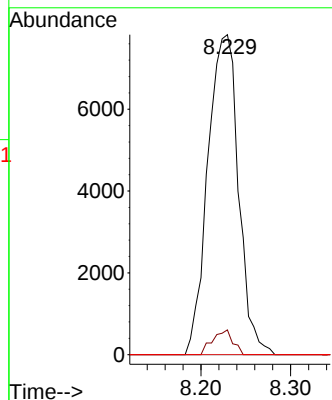


#38  
Carbon Tetrachloride  
Concen: 6.359 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.130 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Instrument :  
MSVOA\_N  
ClientSampleId :

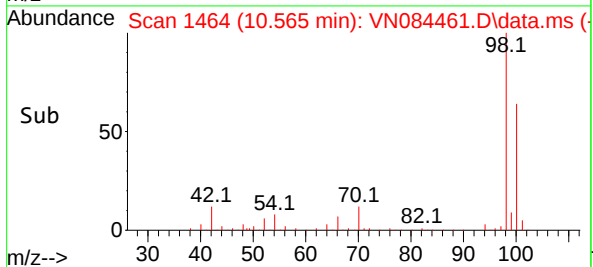
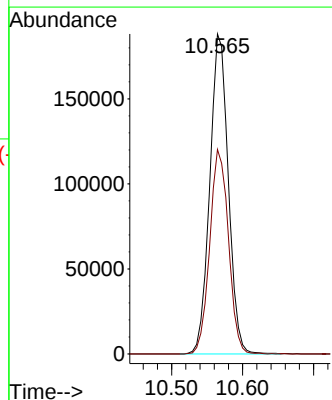
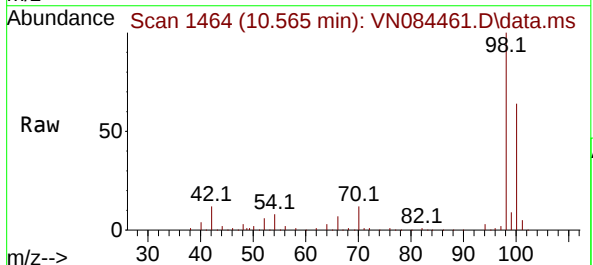


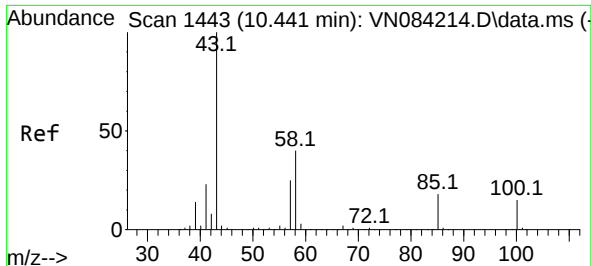
Tgt Ion:117 Resp: 18583  
Ion Ratio Lower Upper  
117 100  
119 7.7 78.7 118.1#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 50.380 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Tgt Ion: 98 Resp: 339927  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.7 79.1

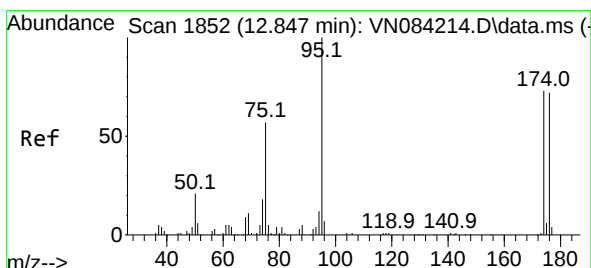
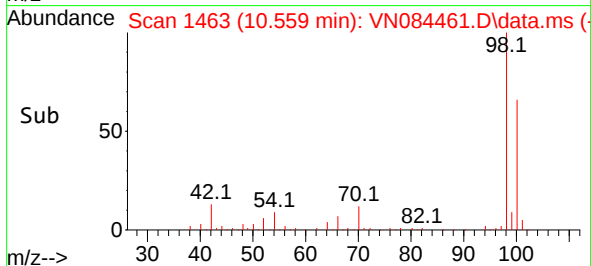
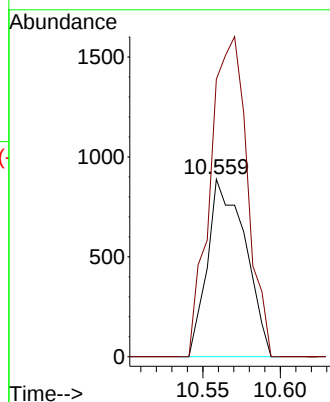
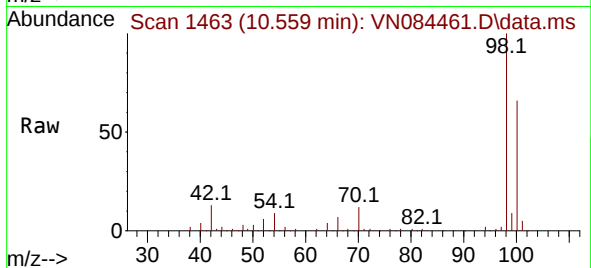




#51  
4-Methyl-2-Pentanone  
Concen: 0.577 ug/l  
RT: 10.559 min Scan# 1443  
Delta R.T. 0.117 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

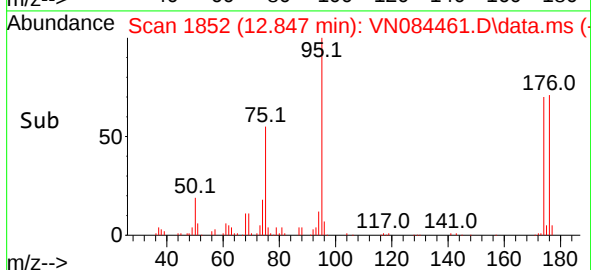
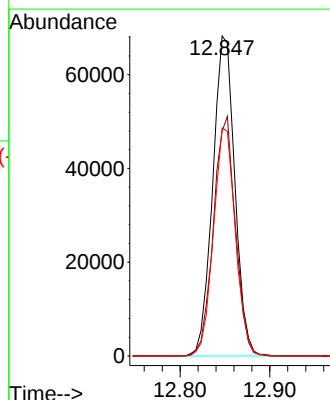
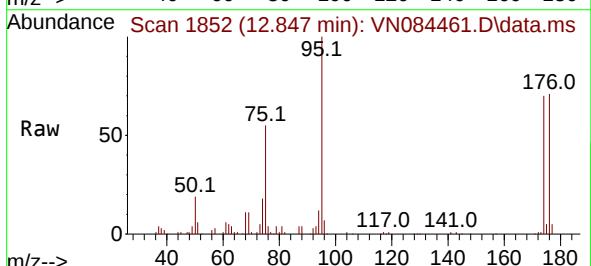
Instrument :  
MSVOA\_N  
ClientSampleId :

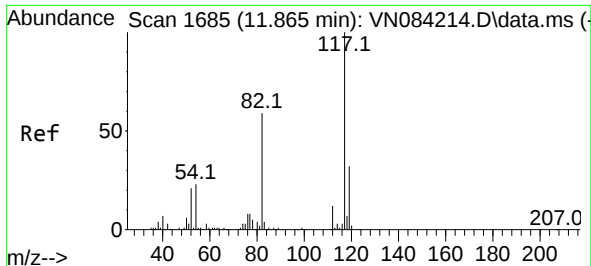
Tgt Ion: 43 Resp: 1500  
Ion Ratio Lower Upper  
43 100  
58 177.5 31.6 47.4#



#62  
4-Bromofluorobenzene  
Concen: 47.485 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

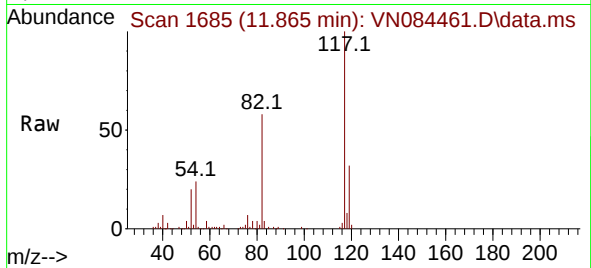
Tgt Ion: 95 Resp: 116722  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 145.2  
176 70.8 0.0 140.0



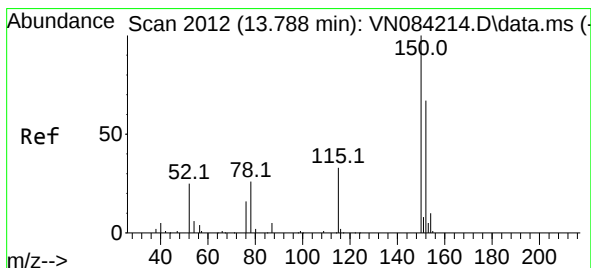
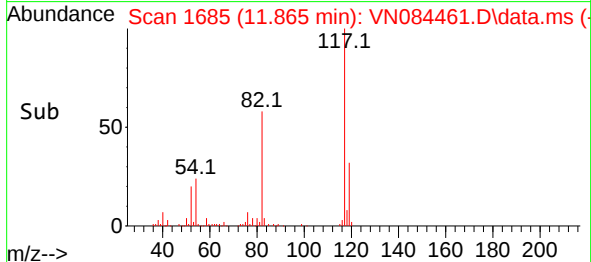
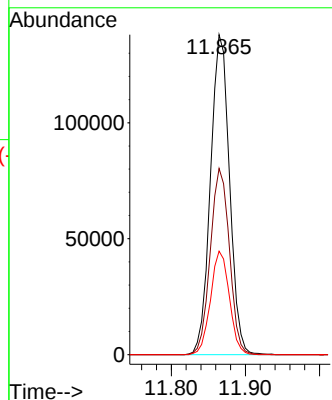


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Instrument :  
MSVOA\_N  
ClientSampleId :

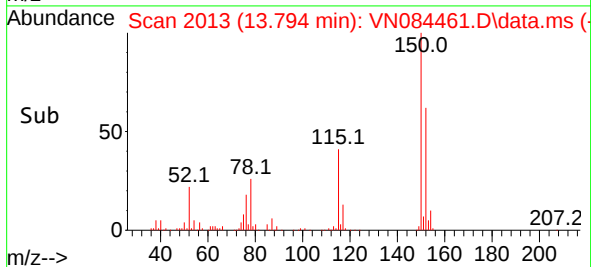
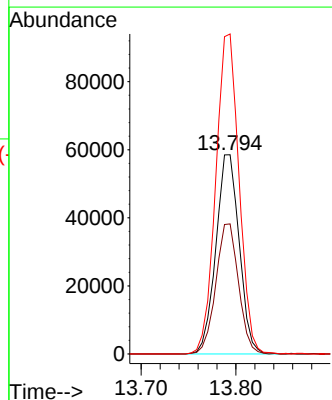
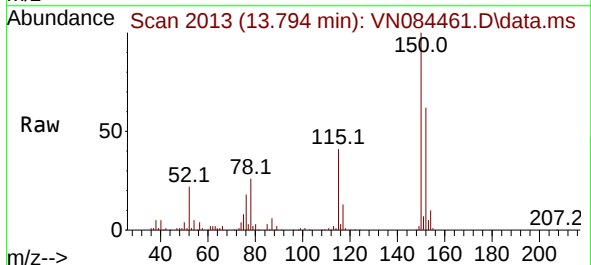


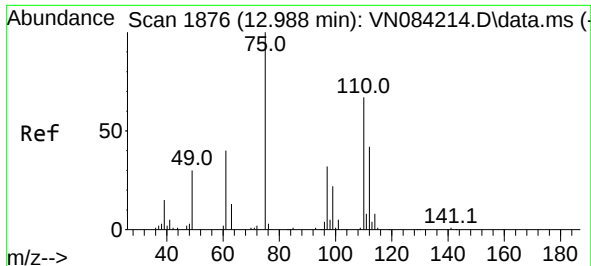
Tgt Ion:117 Resp: 246196  
Ion Ratio Lower Upper  
117 100  
82 58.2 47.2 70.8  
119 32.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Tgt Ion:152 Resp: 100139  
Ion Ratio Lower Upper  
152 100  
115 63.6 31.3 93.9  
150 160.3 0.0 349.8

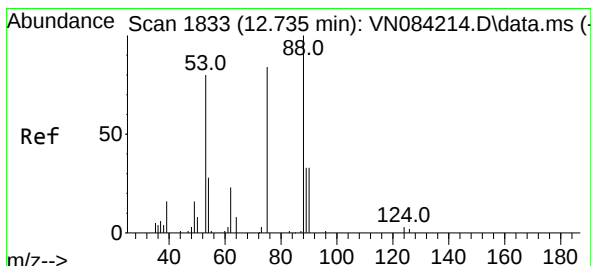
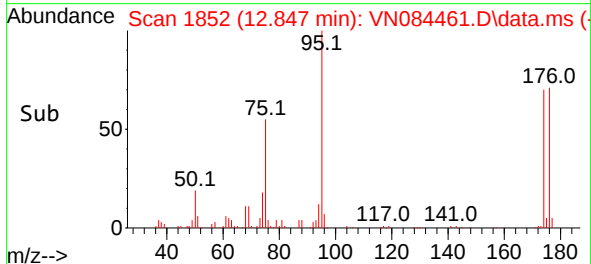
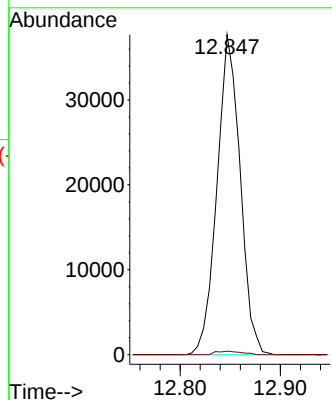
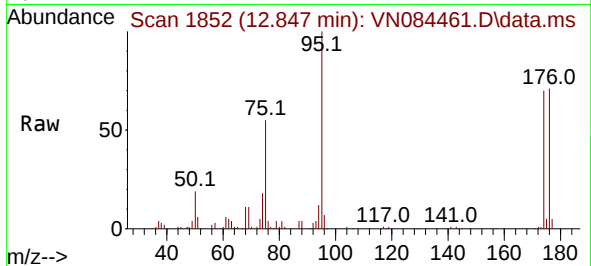




#76  
1,2,3-Trichloropropane  
Concen: 29.536 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 60383  
Ion Ratio Lower Upper  
75 100  
77 1.2 96.9 290.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.812 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN084461.D  
Acq: 22 Oct 2024 17:57

Tgt Ion: 75 Resp: 60383  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 35.5 53.3#

