

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100724\  
 Data File : VN084326.D  
 Acq On : 07 Oct 2024 11:57  
 Operator : JC\MD  
 Sample : VN1007WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 08 03:57:01 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  | 191849   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 326421   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 282267   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 114771   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 136095   | 47.845   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.680% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 105919   | 49.220   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.440% |
| 50) Toluene-d8              | 10.565 | 98    | 394160   | 49.784   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.560% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 132236   | 45.846   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 91.700% |

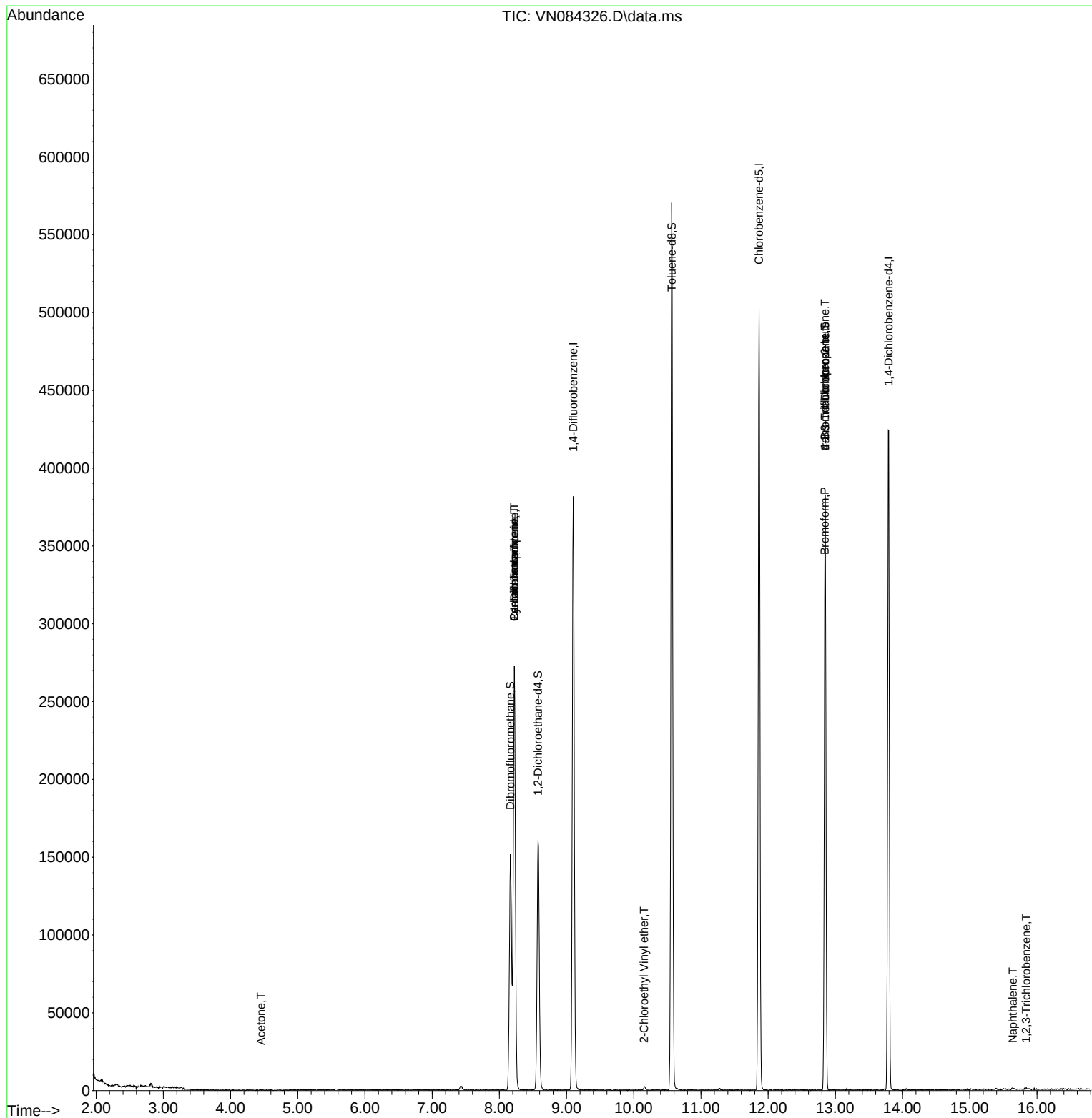
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 16) Acetone                   | 4.453  | 43  | 288   | 0.236  | ug/l # | 44 |
| 31) Cyclohexane               | 8.224  | 56  | 4331  | 1.028  | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 16444 | 5.261  | ug/l # | 52 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 20188 | 5.888  | ug/l # | 18 |
| 58) 2-Chloroethyl Vinyl ether | 10.153 | 63  | 1090  | 0.671  | ug/l   | 96 |
| 71) Bromoform                 | 12.841 | 173 | 431   | 0.272  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 70924 | 30.270 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 70924 | 72.570 | ug/l # | 11 |
| 95) Naphthalene               | 15.641 | 128 | 1486  | 0.234  | ug/l # | 73 |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180 | 397   | 0.207  | ug/l # | 78 |

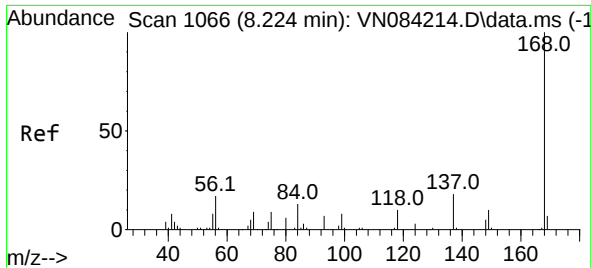
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100724\  
Data File : VN084326.D  
Acq On : 07 Oct 2024 11:57  
Operator : JC\MD  
Sample : VN1007WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

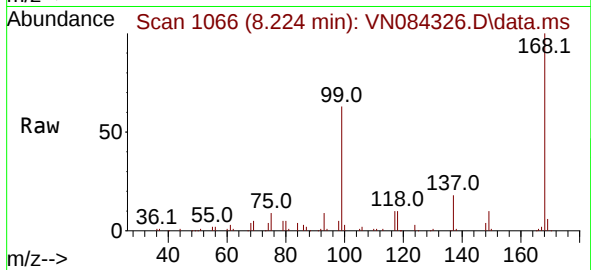
Quant Time: Oct 08 03:57:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration



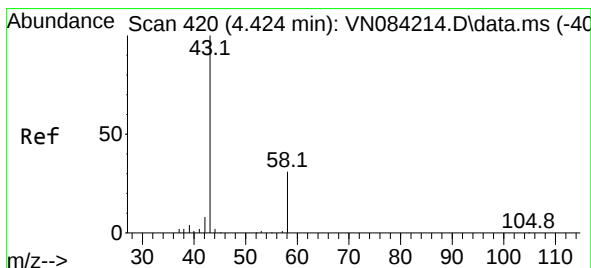
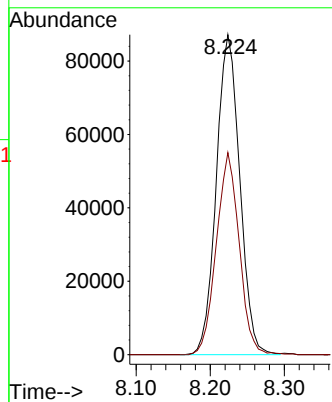
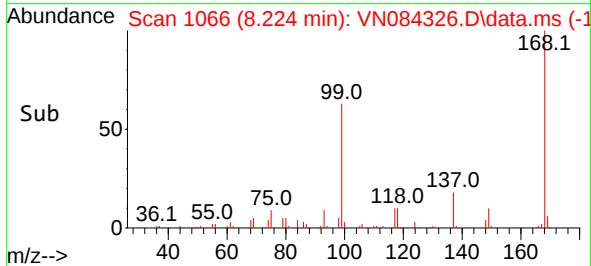


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :

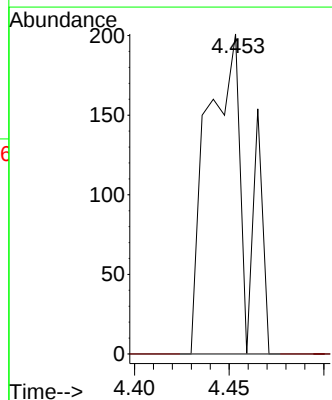
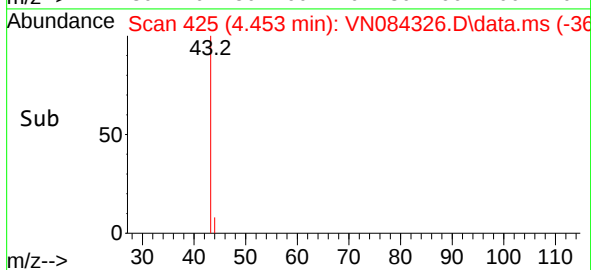
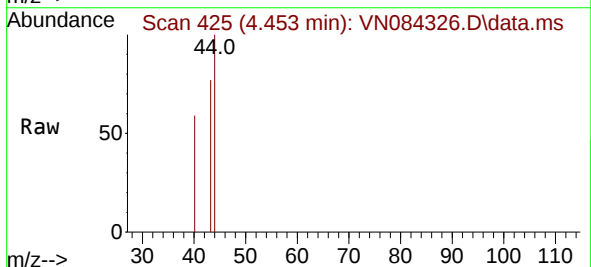


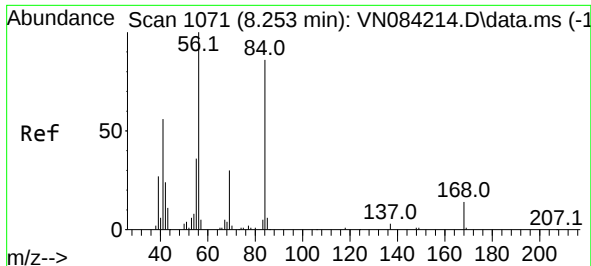
Tgt Ion:168 Resp: 191849  
Ion Ratio Lower Upper  
168 100  
99 63.1 54.2 81.2



#16  
Acetone  
Concen: 0.236 ug/l  
RT: 4.453 min Scan# 425  
Delta R.T. 0.029 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

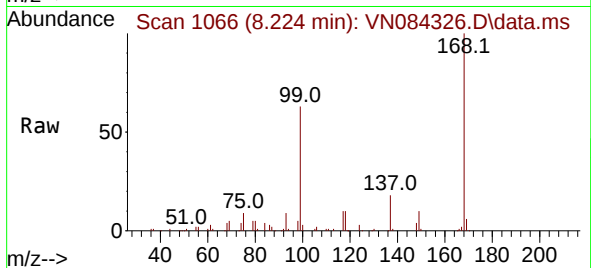
Tgt Ion: 43 Resp: 288  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 36.6#



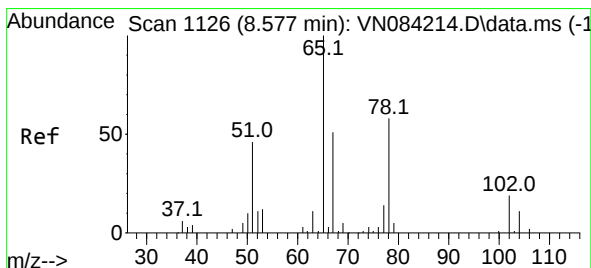
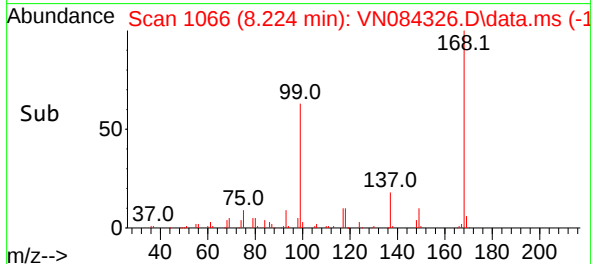
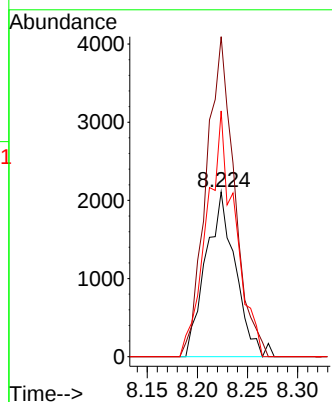


#31  
Cyclohexane  
Concen: 1.028 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :

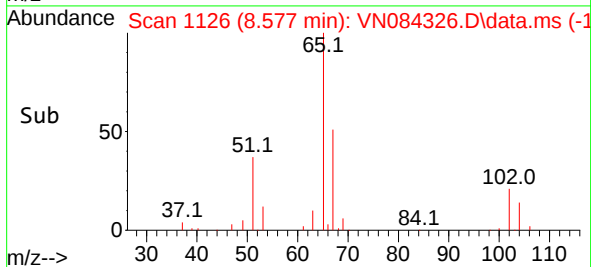
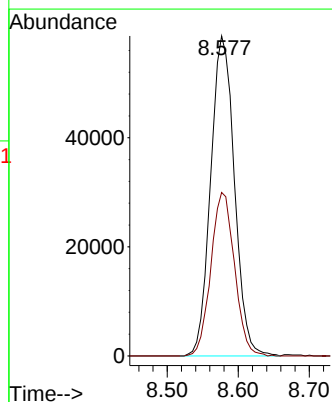
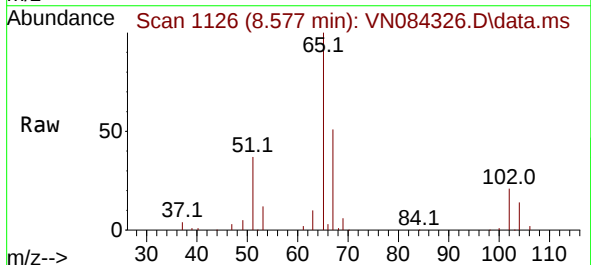


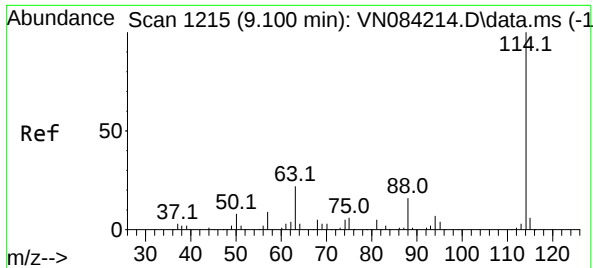
Tgt Ion: 56 Resp: 4331  
Ion Ratio Lower Upper  
56 100  
69 194.2 23.8 35.6#  
84 149.1 68.8 103.2#



#33  
1,2-Dichloroethane-d4  
Concen: 47.845 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

Tgt Ion: 65 Resp: 136095  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 102.0

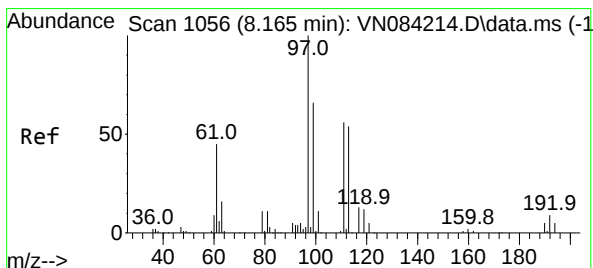
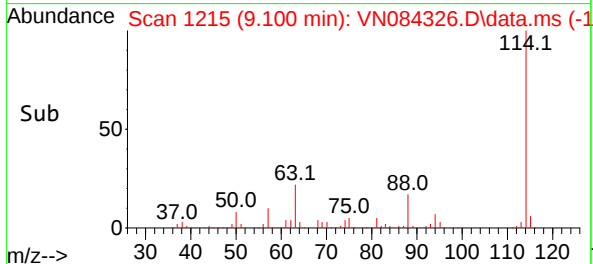
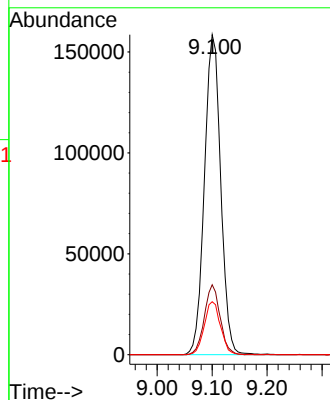
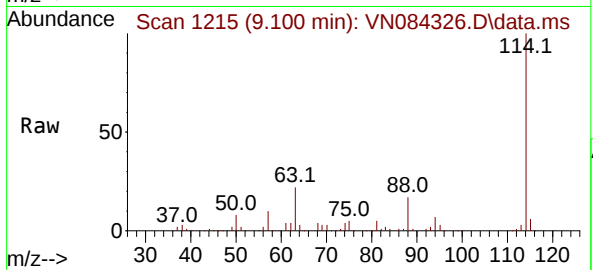




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

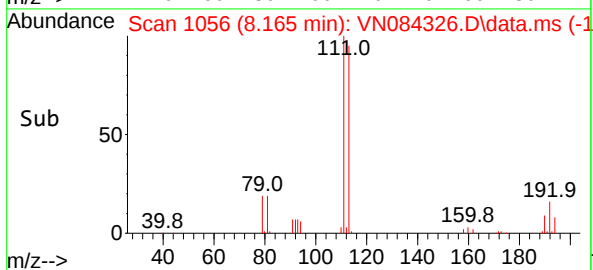
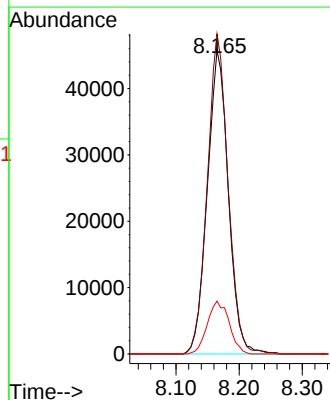
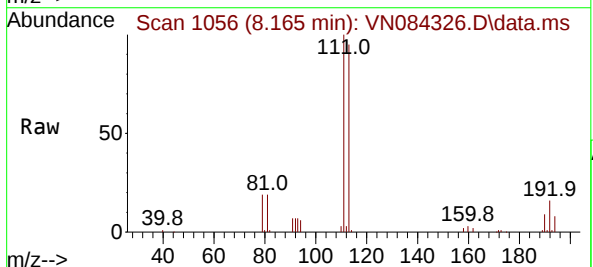
Instrument :  
MSVOA\_N  
ClientSampleId :

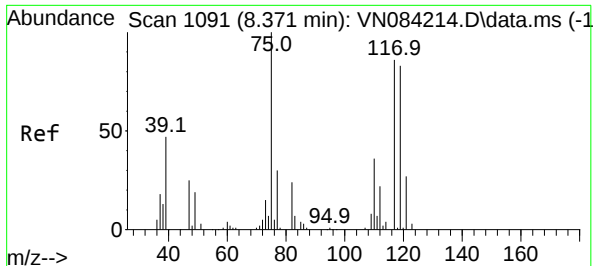
Tgt Ion:114 Resp: 326421  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 43.8  
88 16.6 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 49.220 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

Tgt Ion:113 Resp: 105919  
Ion Ratio Lower Upper  
113 100  
111 104.0 83.3 124.9  
192 18.1 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.261 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084326.D

Acq: 07 Oct 2024 11:57

Instrument :

MSVOA\_N

ClientSampleId :

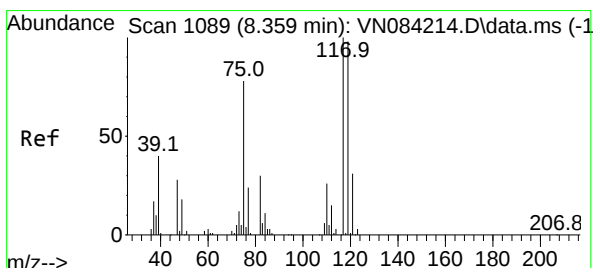
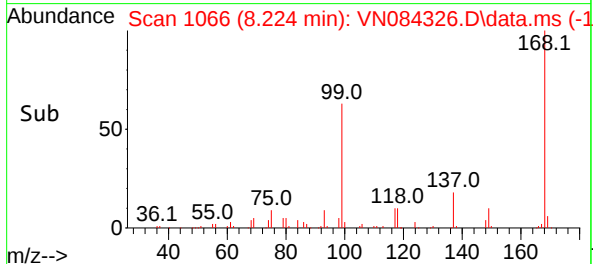
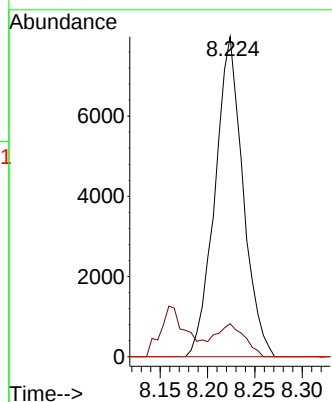
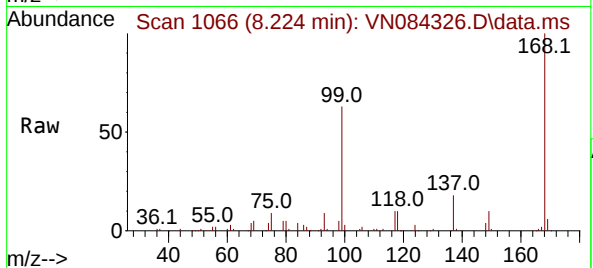
Tgt Ion: 75 Resp: 16444

Ion Ratio Lower Upper

75 100

110 10.2 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.888 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084326.D

Acq: 07 Oct 2024 11:57

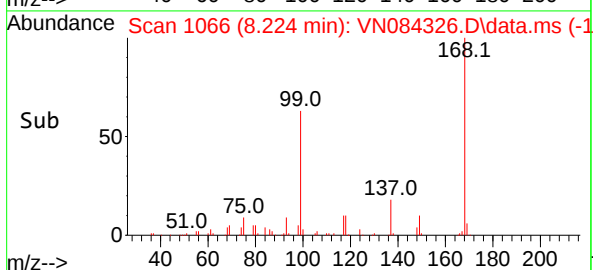
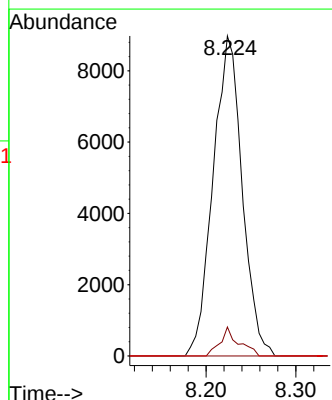
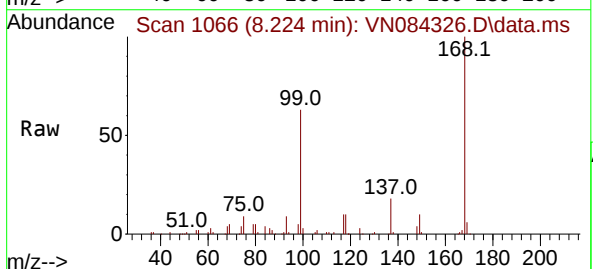
Tgt Ion: 117 Resp: 20188

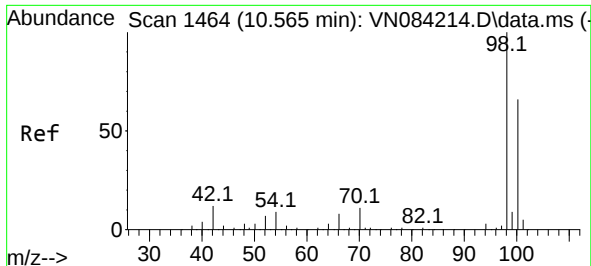
Ion Ratio Lower Upper

117 100

119 9.1 78.7 118.1#

121 0.0 24.4 36.6#

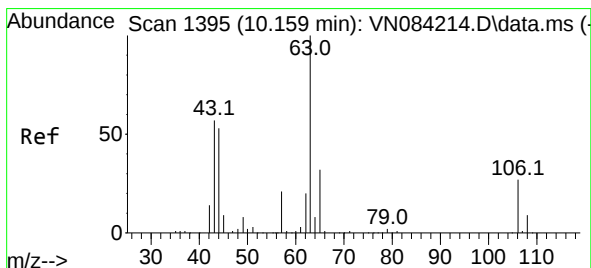
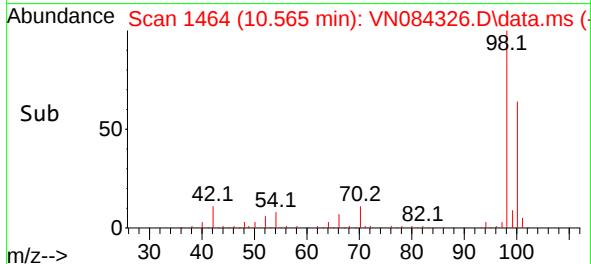
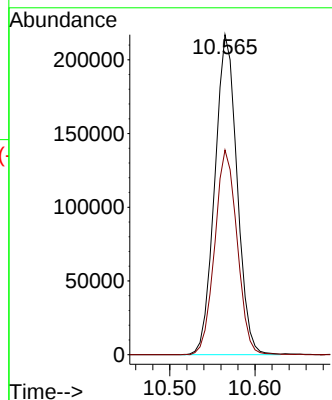
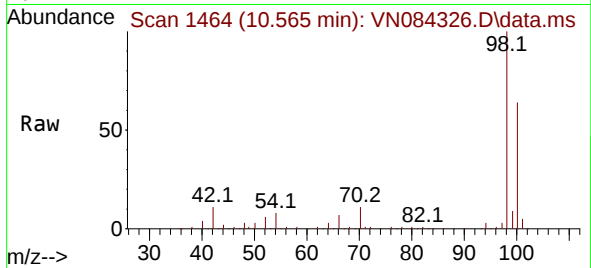




#50  
Toluene-d8  
Concen: 49.784 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

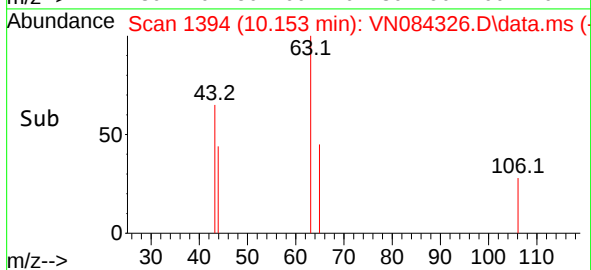
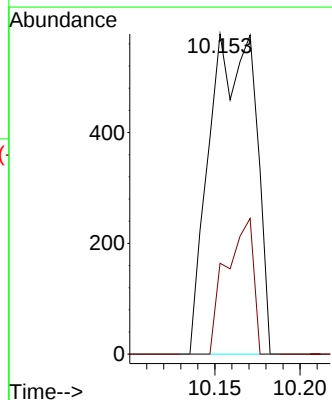
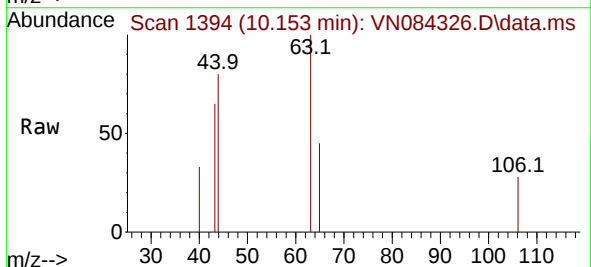
Instrument :  
MSVOA\_N  
ClientSampleId :

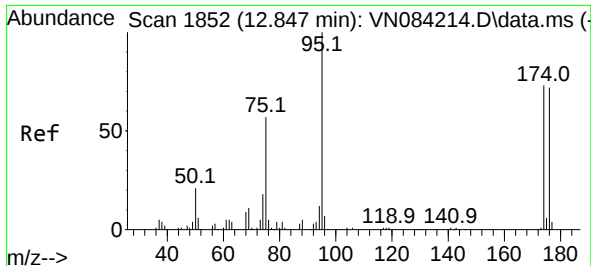
Tgt Ion: 98 Resp: 394160  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.7 79.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 0.671 ug/l  
RT: 10.153 min Scan# 1394  
Delta R.T. -0.006 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

Tgt Ion: 63 Resp: 1090  
Ion Ratio Lower Upper  
63 100  
106 25.1 21.8 32.6

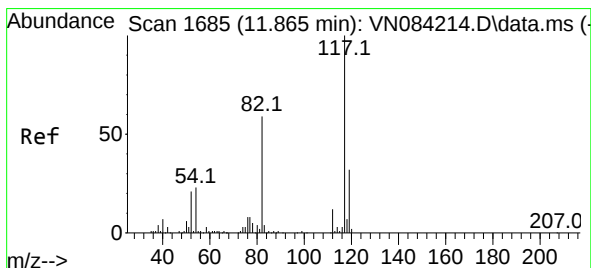
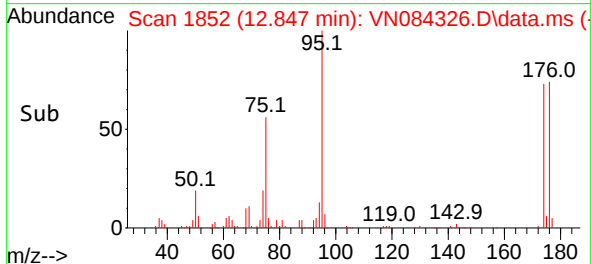
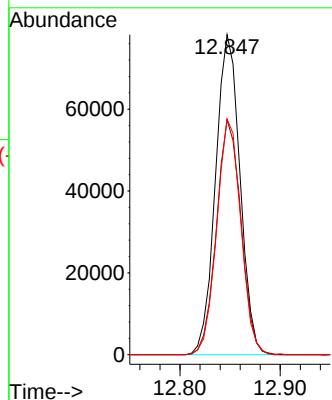
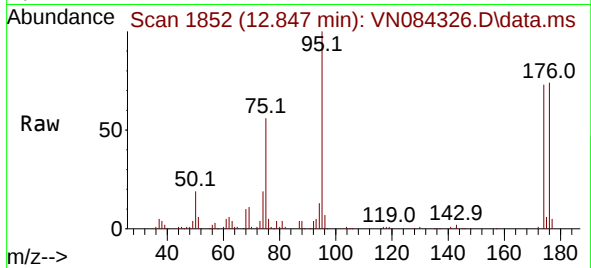




#62  
4-Bromofluorobenzene  
Concen: 45.846 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

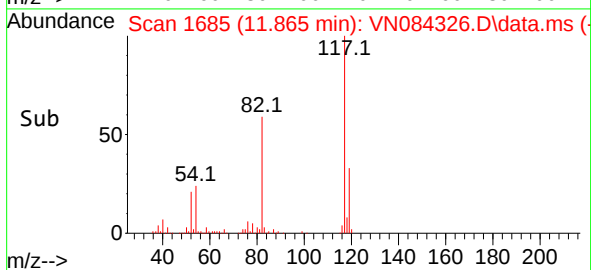
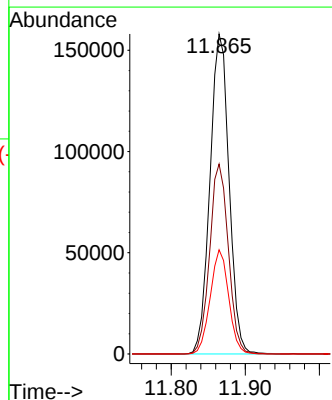
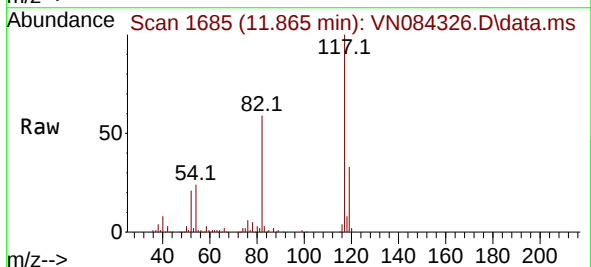
Instrument :  
MSVOA\_N  
ClientSampleId :

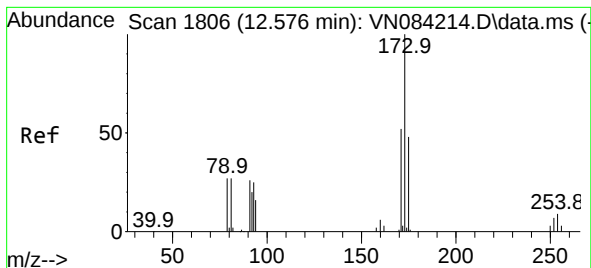
Tgt Ion: 95 Resp: 132236  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 145.2  
176 72.6 0.0 140.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

Tgt Ion: 117 Resp: 282267  
Ion Ratio Lower Upper  
117 100  
82 59.3 47.2 70.8  
119 32.6 25.4 38.0





#71

Bromoform

Concen: 0.272 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

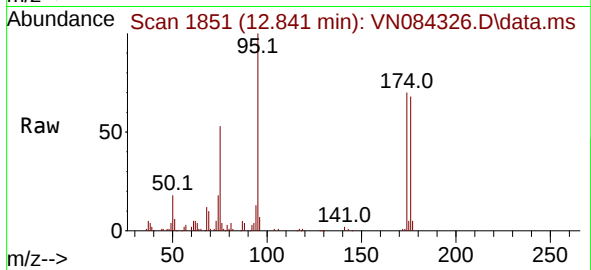
Lab File: VN084326.D

Acq: 07 Oct 2024 11:57

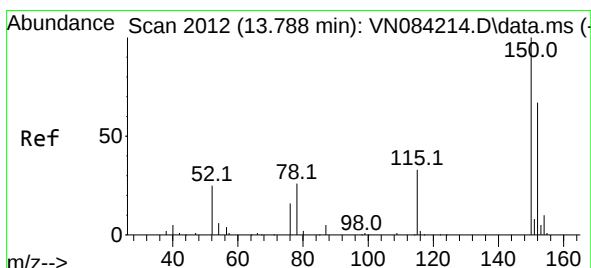
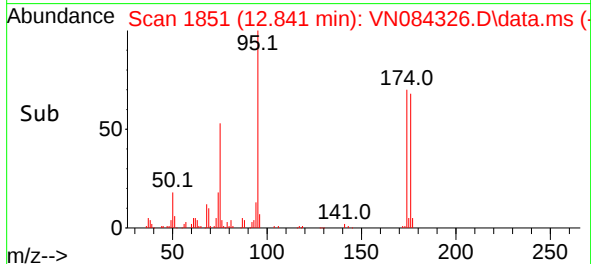
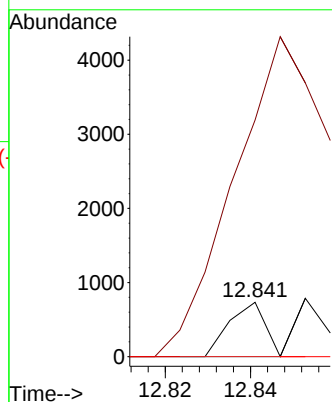
Instrument :

MSVOA\_N

ClientSampleId :



|           |        |       |       |
|-----------|--------|-------|-------|
| Tgt Ion:  | 173    | Resp: | 431   |
| Ion Ratio | Lower  | Upper |       |
| 173       | 100    |       |       |
| 175       | 1228.1 | 23.5  | 70.6# |
| 254       | 0.0    | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

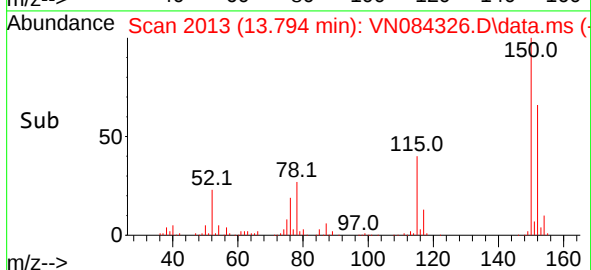
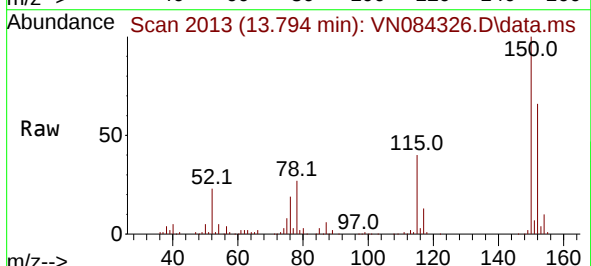
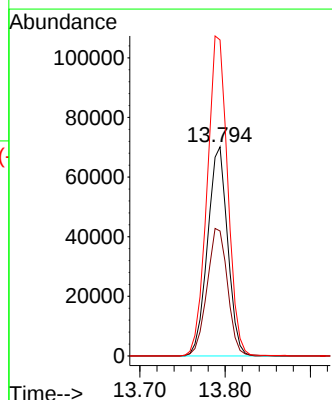
RT: 13.794 min Scan# 2013

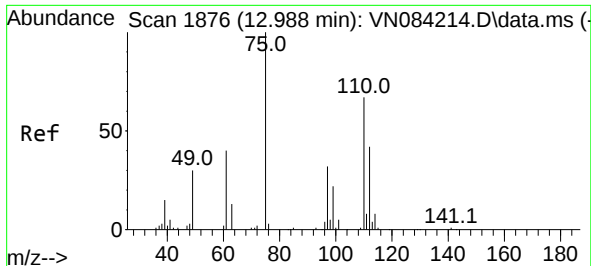
Delta R.T. 0.006 min

Lab File: VN084326.D

Acq: 07 Oct 2024 11:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 114771 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 62.2  | 31.3  | 93.9   |
| 150       | 156.3 | 0.0   | 349.8  |

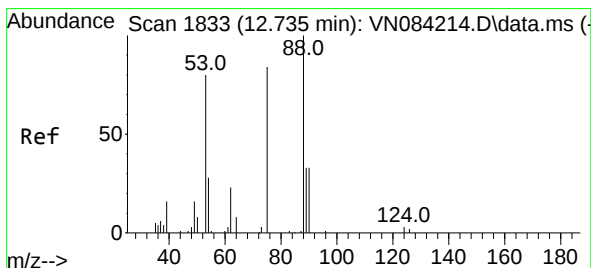
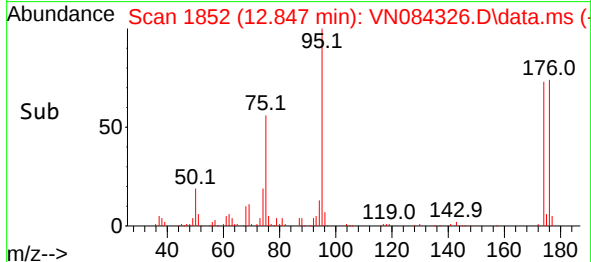
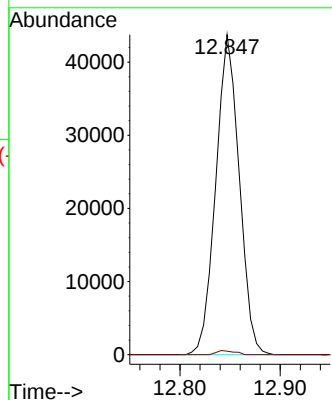
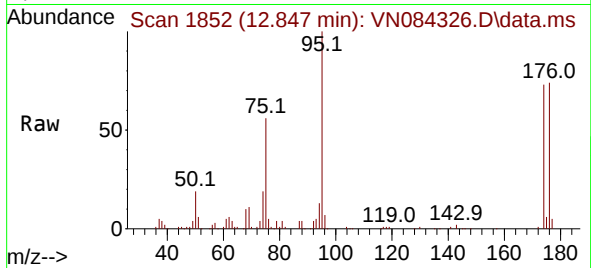




#76  
1,2,3-Trichloropropane  
Concen: 30.270 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

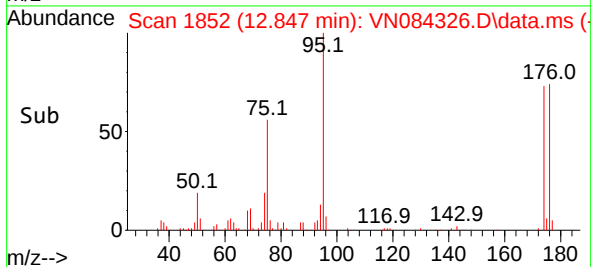
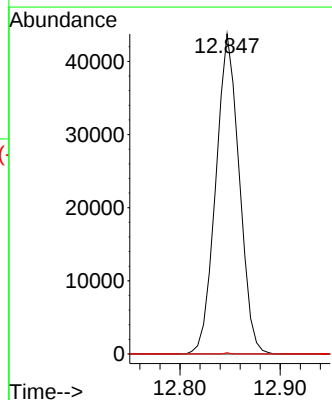
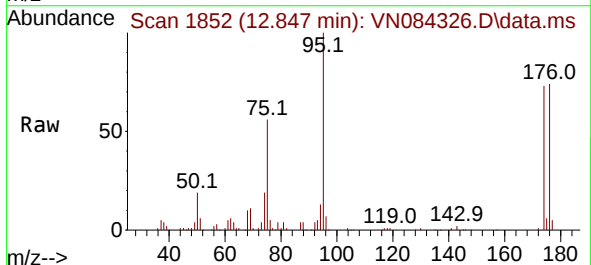
Instrument :  
MSVOA\_N  
ClientSampleId :

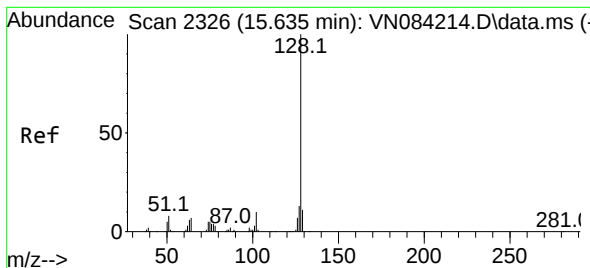
Tgt Ion: 75 Resp: 70924  
Ion Ratio Lower Upper  
75 100  
77 1.0 96.9 290.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.570 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN084326.D  
Acq: 07 Oct 2024 11:57

Tgt Ion: 75 Resp: 70924  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.1 35.5 53.3#





#95

Naphthalene

Concen: 0.234 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084326.D

Acq: 07 Oct 2024 11:57

Instrument :

MSVOA\_N

ClientSampleId :

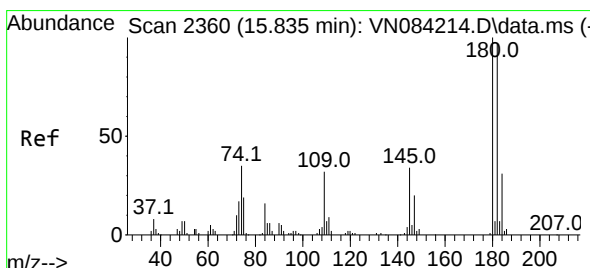
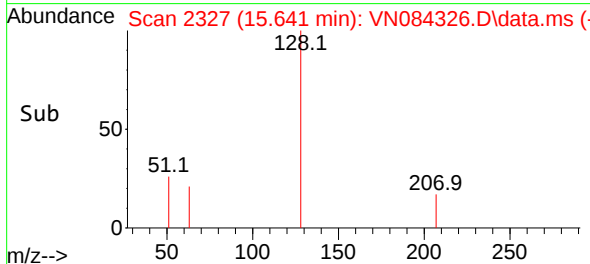
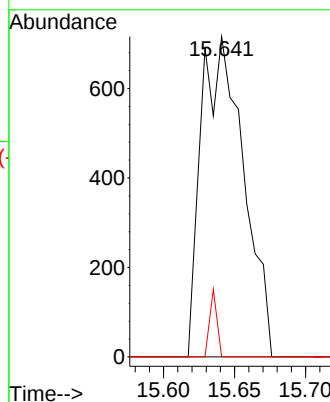
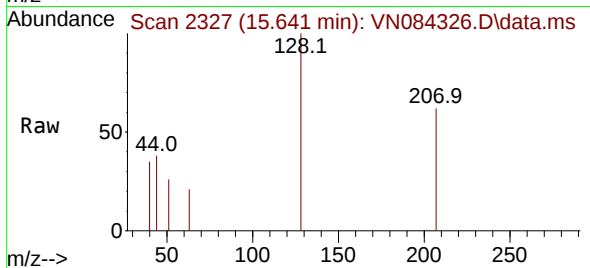
Tgt Ion:128 Resp: 1486

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 3.6 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.207 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN084326.D

Acq: 07 Oct 2024 11:57

Tgt Ion:180 Resp: 397

Ion Ratio Lower Upper

180 100

182 87.9 48.2 144.6

145 0.0 17.3 51.9#

