

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052324\  
 Data File : VN082328.D  
 Acq On : 23 May 2024 17:56  
 Operator : JC\MD  
 Sample : P2561-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: May 24 04:22:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 201114   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 357177   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 341072   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 157465   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 162366   | 51.129   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 102.260% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 113526   | 51.669   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.340% |
| 50) Toluene-d8              | 10.571 | 98    | 455927   | 54.123   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 108.240% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 172215   | 57.278   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 114.560% |

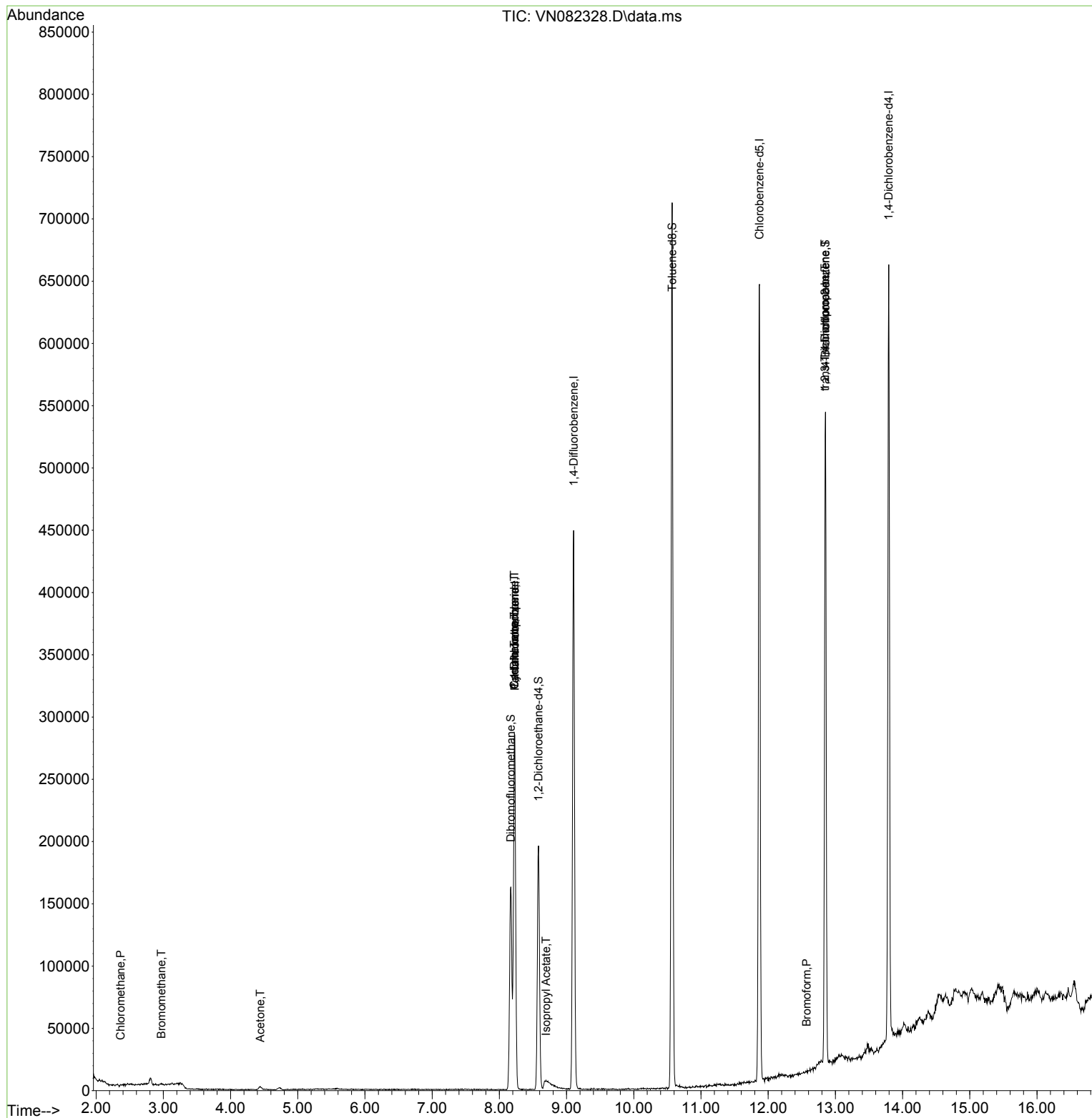
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 3) Chloromethane              | 2.365  | 50  | 666   | 0.203  | ug/l   | 97 |
| 5) Bromomethane               | 2.971  | 94  | 695   | 0.391  | ug/l # | 73 |
| 16) Acetone                   | 4.442  | 43  | 4618  | 3.545  | ug/l # | 81 |
| 31) Cyclohexane               | 8.224  | 56  | 5883  | 1.160  | ug/l # | 47 |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 18524 | 5.027  | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 21895 | 5.861  | ug/l # | 17 |
| 43) Isopropyl Acetate         | 8.694  | 43  | 5901  | 0.808  | ug/l # | 52 |
| 71) Bromoform                 | 12.570 | 173 | 133   | 0.767  | ug/l # | 28 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 99504 | 30.023 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 99504 | 70.223 | ug/l # | 13 |

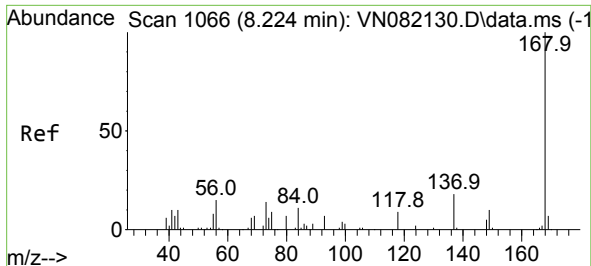
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052324\  
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Sample : P2561-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: May 24 04:22:11 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 16 05:21:06 2024  
Response via : Initial Calibration

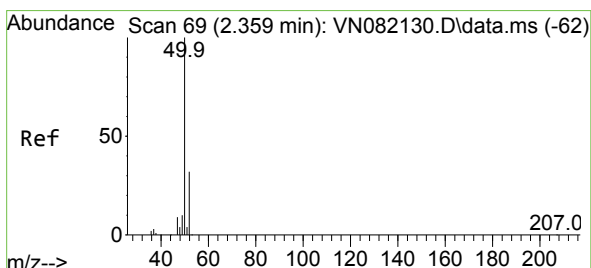
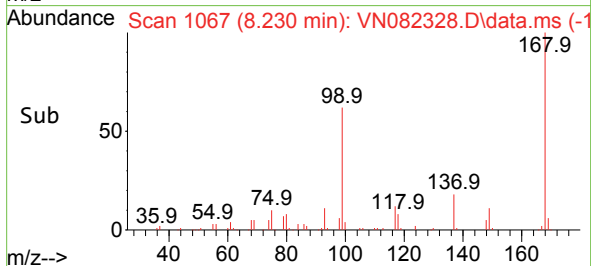
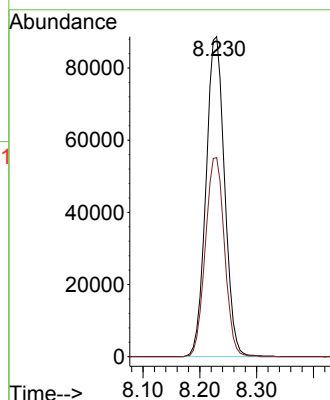
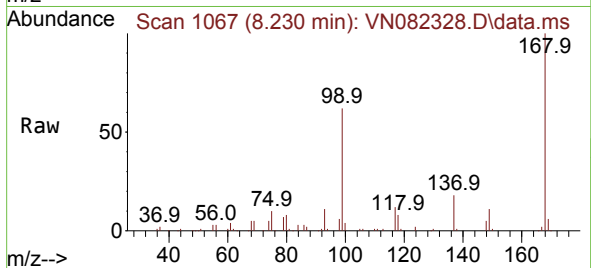




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

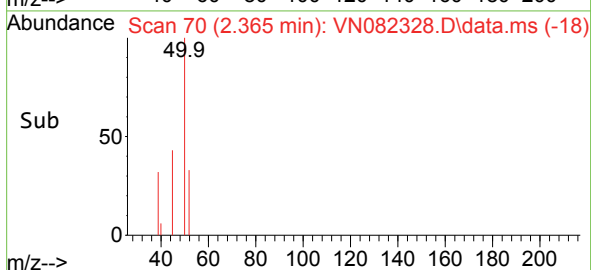
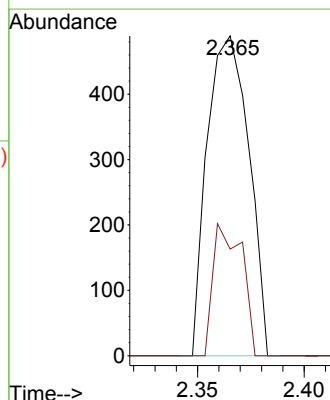
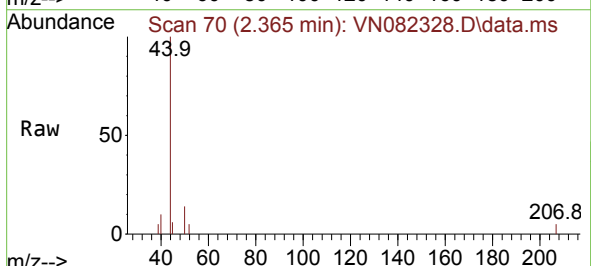
Instrument :  
MSVOA\_N  
ClientSampleId :

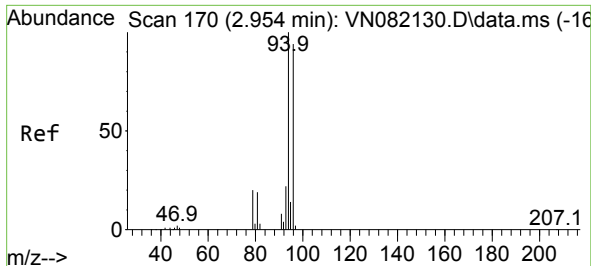
Tgt Ion:168 Resp: 201114  
Ion Ratio Lower Upper  
168 100  
99 62.2 48.2 72.4



#3  
Chloromethane  
Concen: 0.203 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

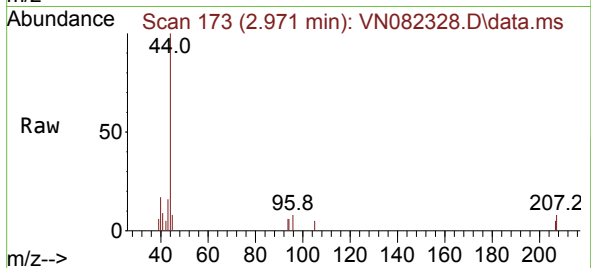
Tgt Ion: 50 Resp: 666  
Ion Ratio Lower Upper  
50 100  
52 33.3 25.5 38.3



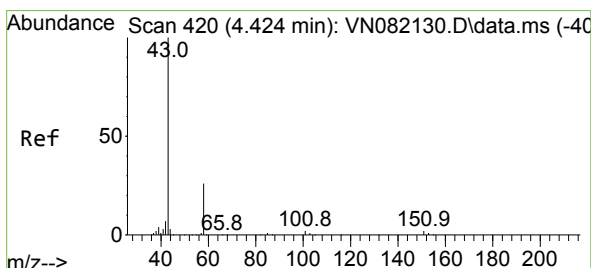
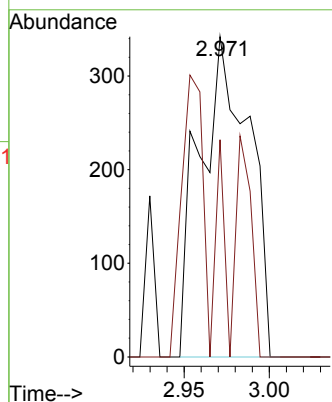
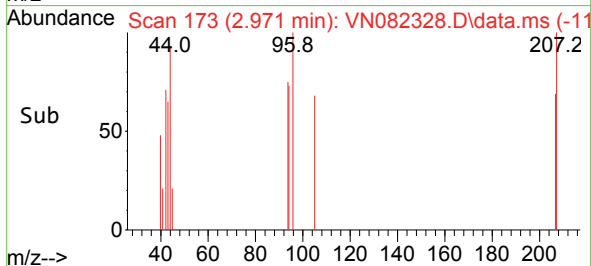


#5  
Bromomethane  
Concen: 0.391 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

Instrument :  
MSVOA\_N  
ClientSampleId :

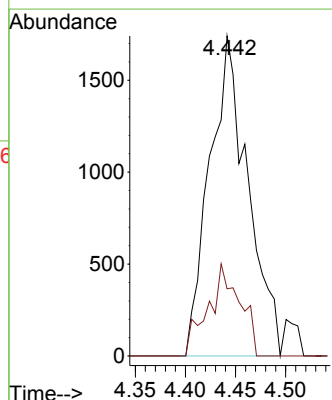
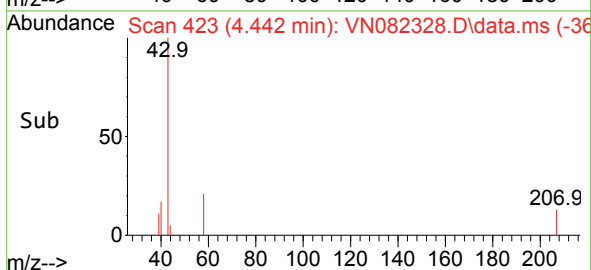
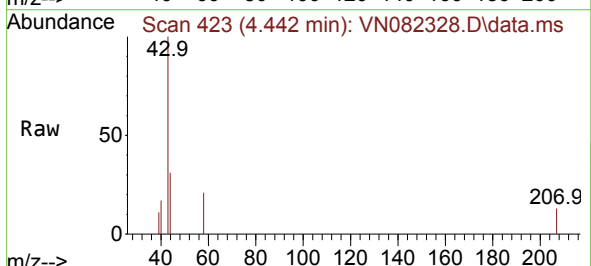


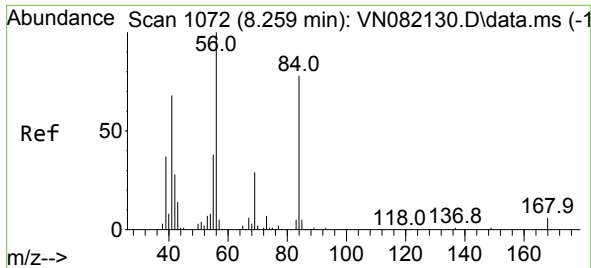
Tgt Ion: 94 Resp: 695  
Ion Ratio Lower Upper  
94 100  
96 67.8 74.8 112.2#



#16  
Acetone  
Concen: 3.545 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. 0.018 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

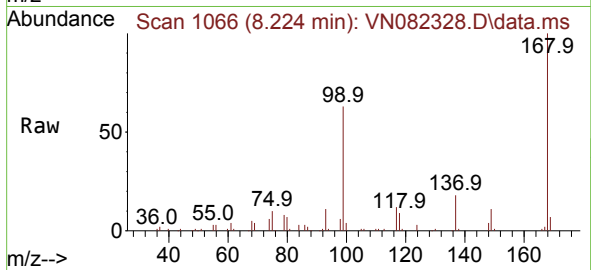
Tgt Ion: 43 Resp: 4618  
Ion Ratio Lower Upper  
43 100  
58 21.0 25.2 37.8#



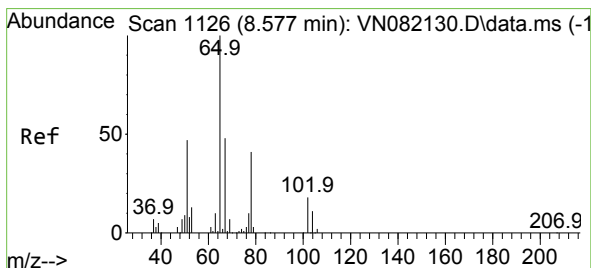
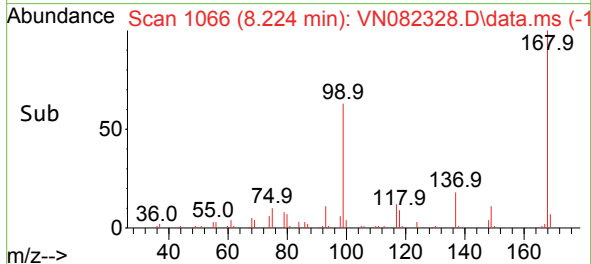
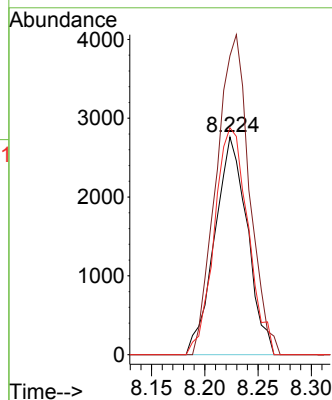


#31  
Cyclohexane  
Concen: 1.160 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

Instrument :  
MSVOA\_N  
ClientSampleId :

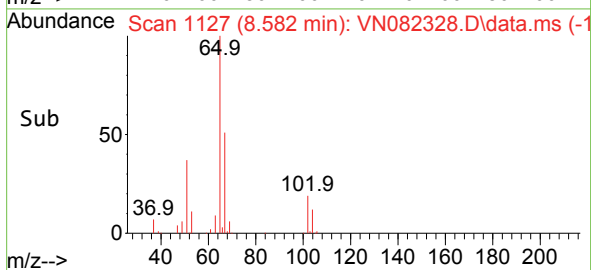
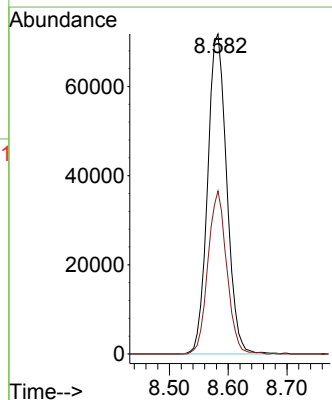
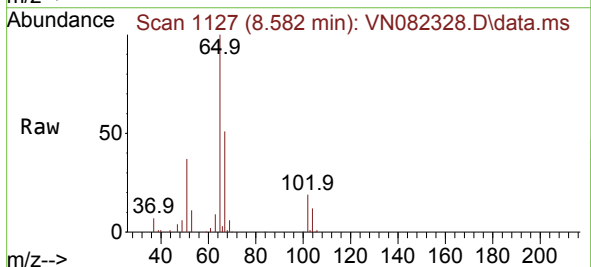


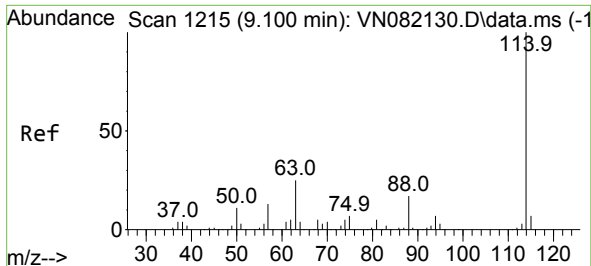
Tgt Ion: 56 Resp: 5883  
Ion Ratio Lower Upper  
56 100  
69 137.4 24.4 36.6#  
84 104.3 77.0 115.4



#33  
1,2-Dichloroethane-d4  
Concen: 51.129 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

Tgt Ion: 65 Resp: 162366  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 103.0

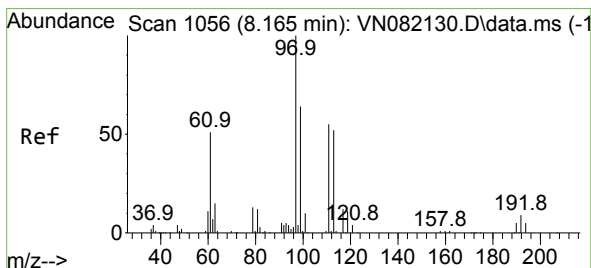
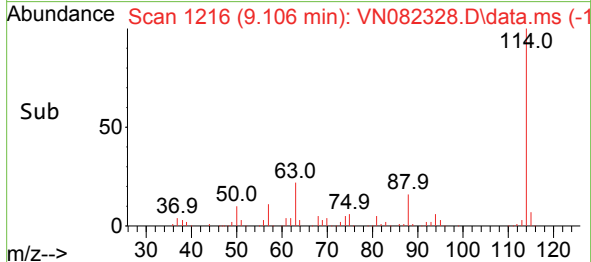
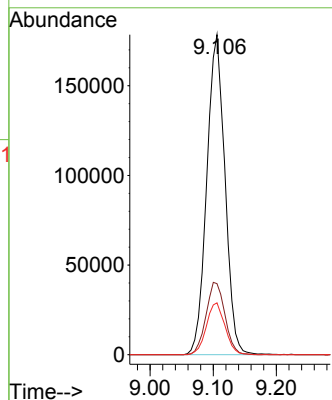
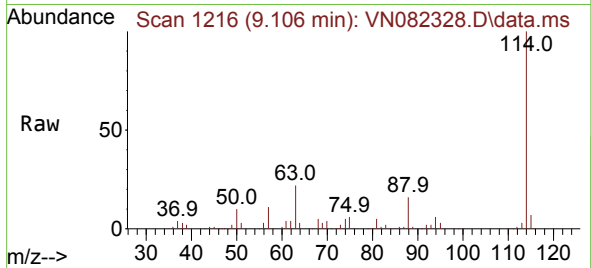




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

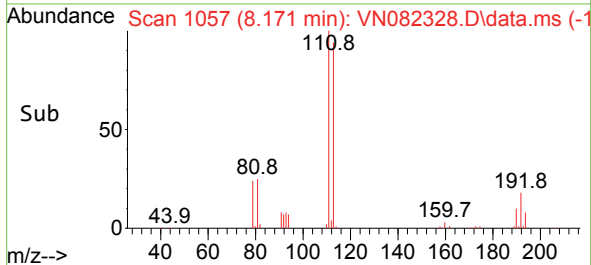
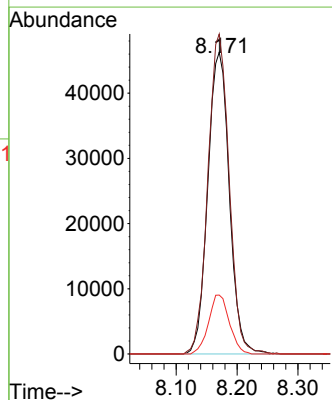
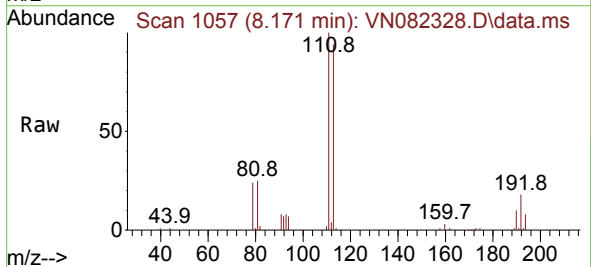
Instrument :  
MSVOA\_N  
ClientSampleId :

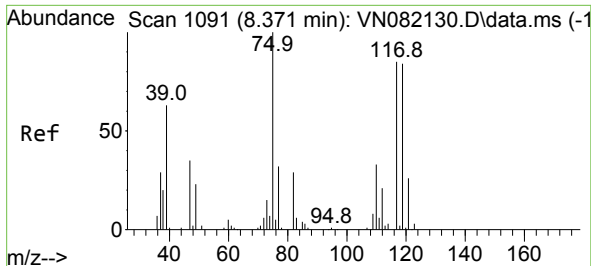
Tgt Ion:114 Resp: 357177  
Ion Ratio Lower Upper  
114 100  
63 22.2 0.0 41.0  
88 16.2 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 51.669 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

Tgt Ion:113 Resp: 113526  
Ion Ratio Lower Upper  
113 100  
111 104.7 83.4 125.2  
192 18.9 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.027 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

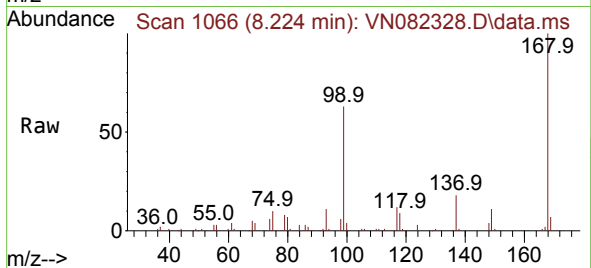
Lab File: VN082328.D

Acq: 23 May 2024 17:56

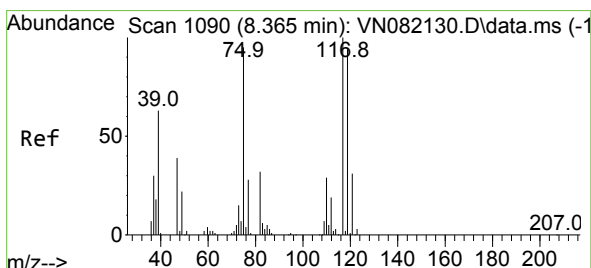
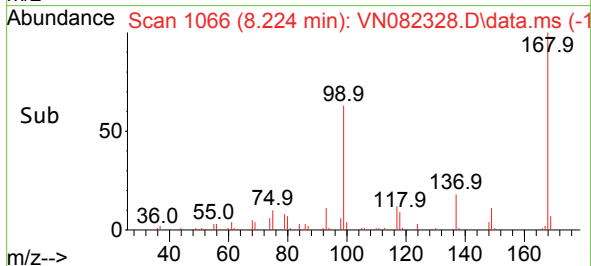
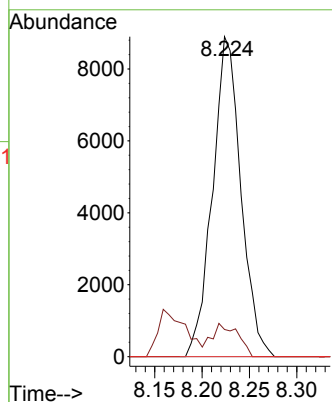
Instrument :

MSVOA\_N

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 18524 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.5   | 17.8  | 53.5# |
| 77       | 0.0   | 25.0  | 37.4# |



#38

Carbon Tetrachloride

Concen: 5.861 ug/l

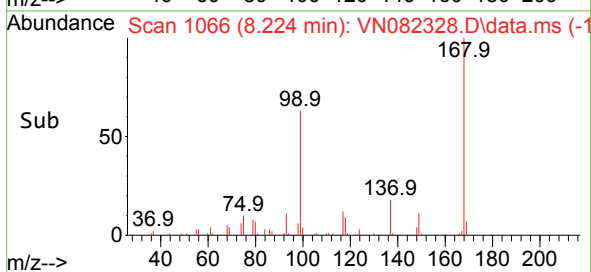
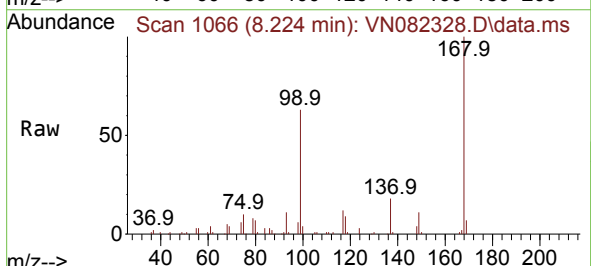
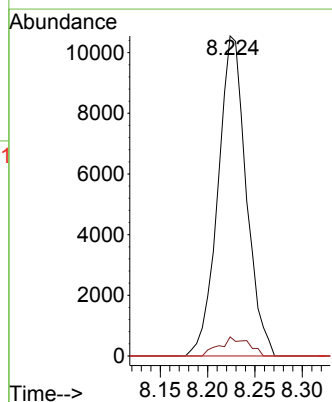
RT: 8.224 min Scan# 1066

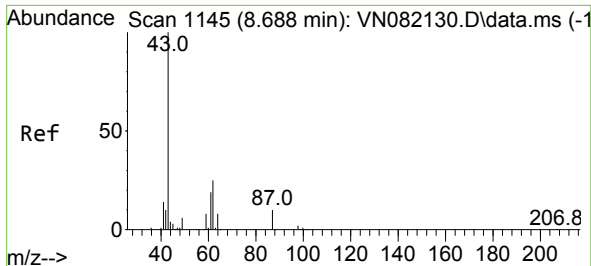
Delta R.T. -0.141 min

Lab File: VN082328.D

Acq: 23 May 2024 17:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 21895  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.9   | 76.5  | 114.7# |
| 121      | 0.0   | 23.9  | 35.9#  |





#43

Isopropyl Acetate

Concen: 0.808 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

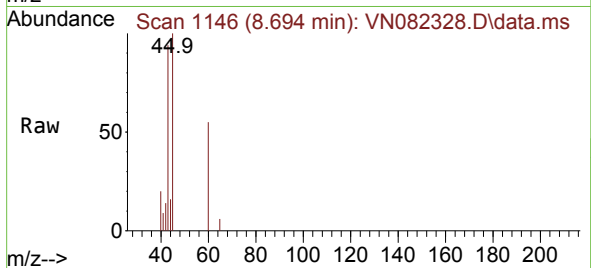
Lab File: VN082328.D

Acq: 23 May 2024 17:56

Instrument :

MSVOA\_N

ClientSampleId :



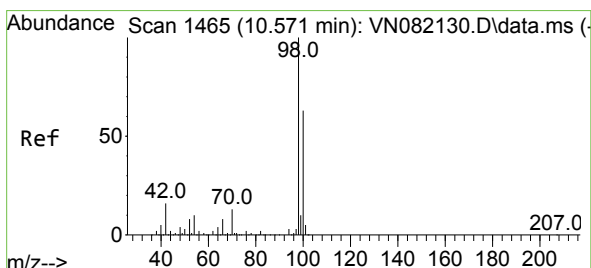
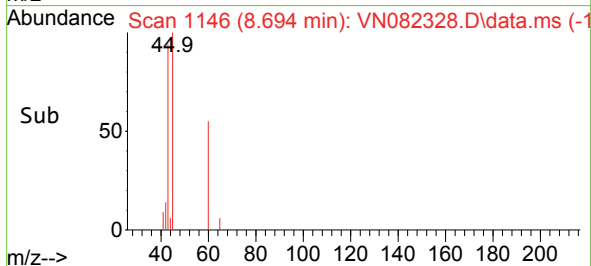
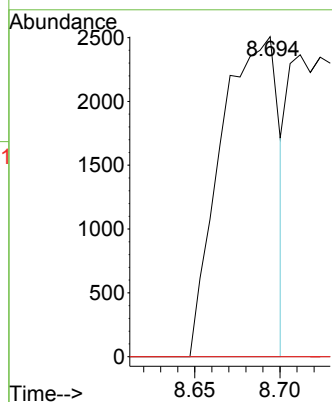
Tgt Ion: 43 Resp: 5901

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 54.123 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082328.D

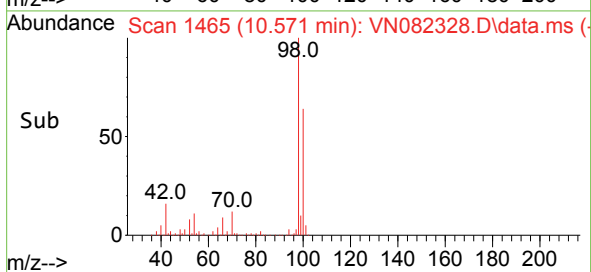
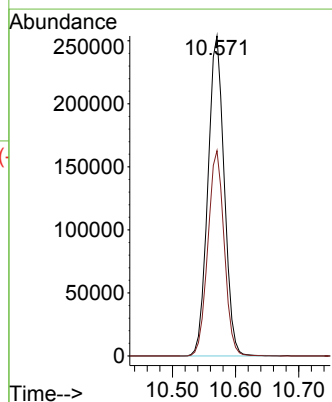
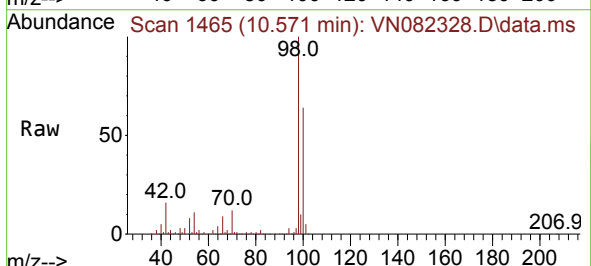
Acq: 23 May 2024 17:56

Tgt Ion: 98 Resp: 455927

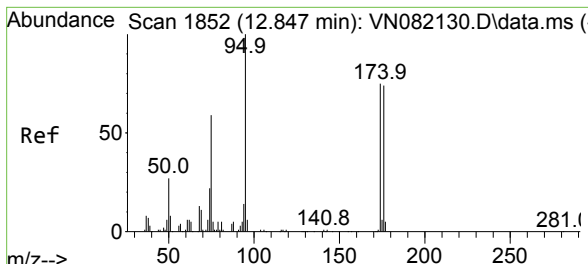
Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.6



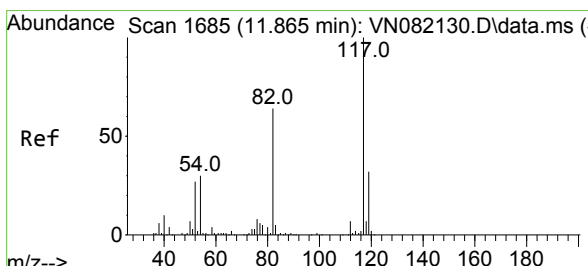
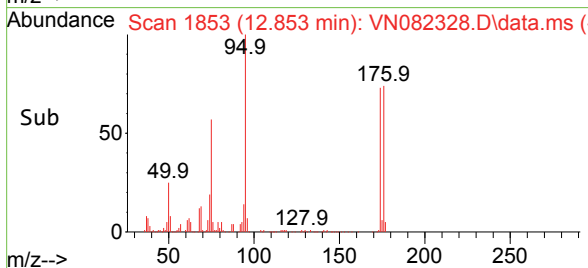
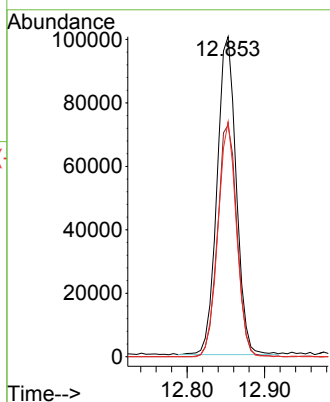
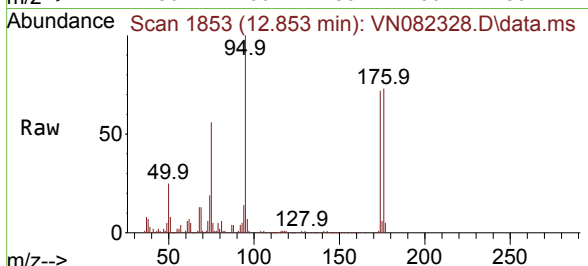




#62  
4-Bromofluorobenzene  
Concen: 57.278 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

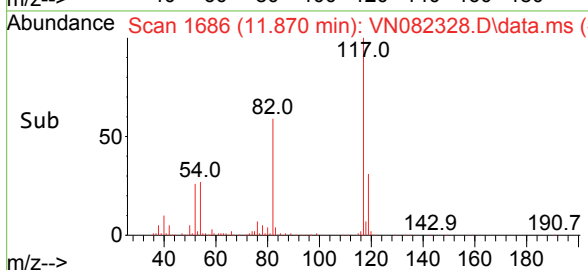
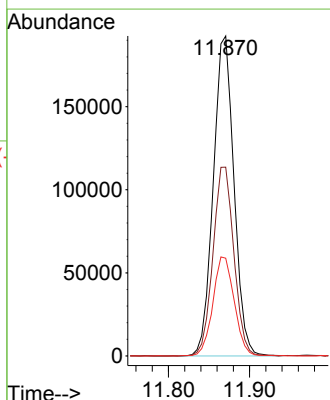
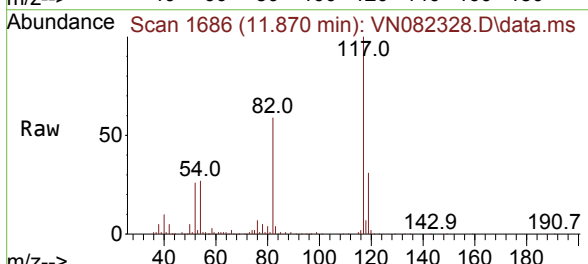
Instrument :  
MSVOA\_N  
ClientSampleId :

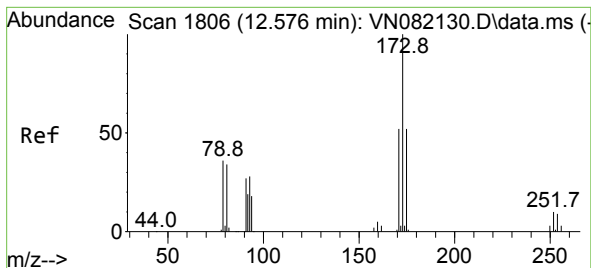
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 172215 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 73.9  | 0.0   | 160.6  |
| 176      | 71.5  | 0.0   | 152.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 341072 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 59.0  | 44.6  | 66.8   |
| 119      | 30.6  | 25.9  | 38.9   |





#71

Bromoform

Concen: 0.767 ug/l

RT: 12.570 min Scan# 1805

Delta R.T. -0.006 min

Lab File: VN082328.D

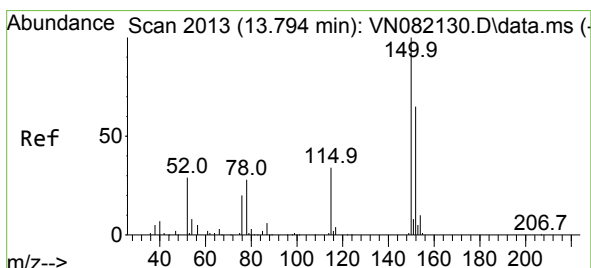
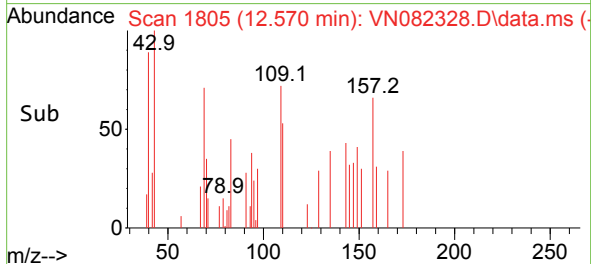
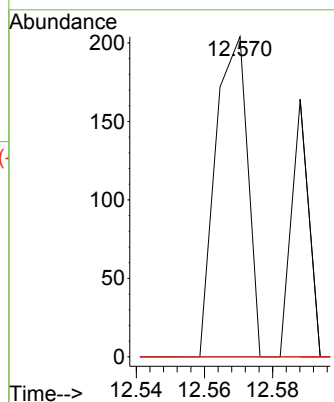
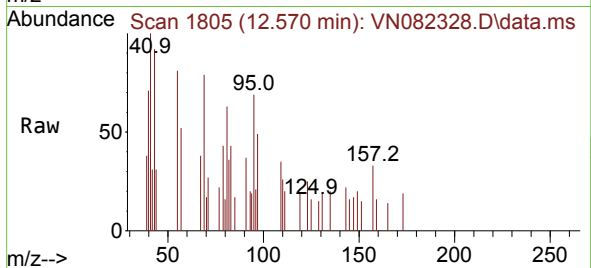
Acq: 23 May 2024 17:56

Instrument :

MSVOA\_N

ClientSampleId :

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:173 | Resp: | 133   |
| Ion Ratio   | Lower | Upper |
| 173         | 100   |       |
| 175         | 0.0   | 24.6  |
| 254         | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

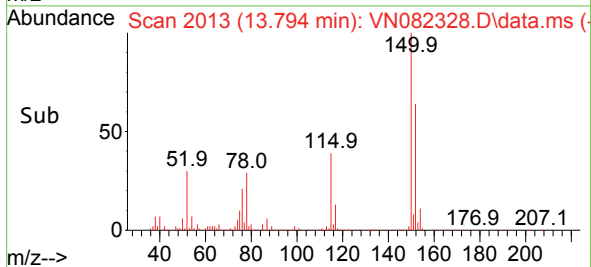
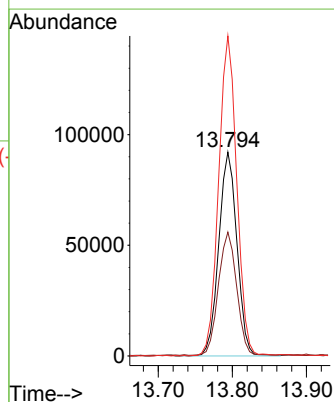
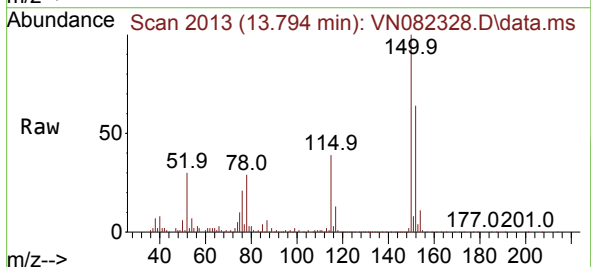
RT: 13.794 min Scan# 2013

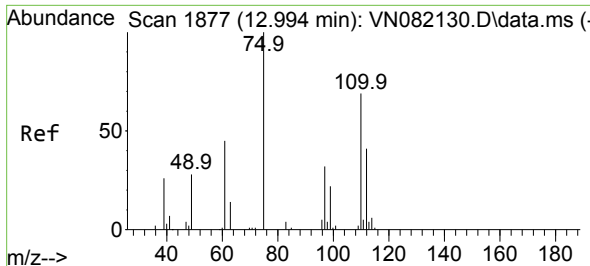
Delta R.T. -0.000 min

Lab File: VN082328.D

Acq: 23 May 2024 17:56

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:152 | Resp: | 157465 |
| Ion Ratio   | Lower | Upper  |
| 152         | 100   |        |
| 115         | 60.3  | 30.4   |
| 150         | 155.9 | 0.0    |

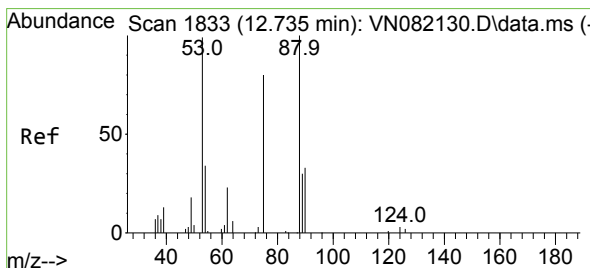
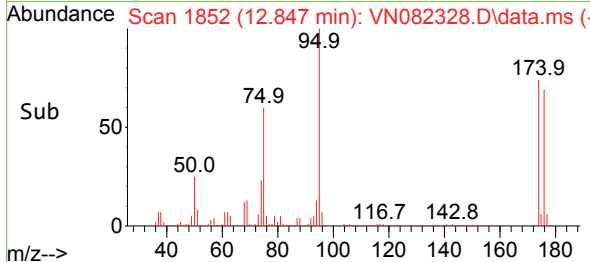
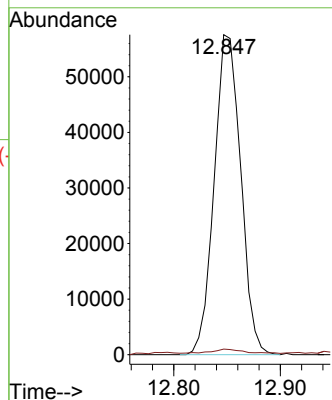
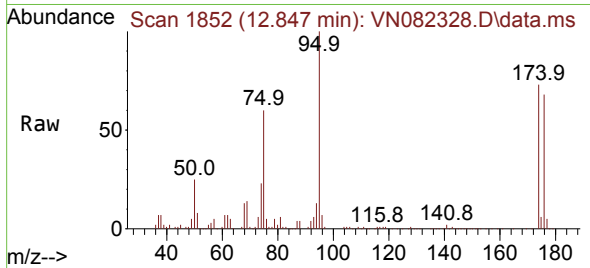




#76  
1,2,3-Trichloropropane  
Concen: 30.023 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 99504  
Ion Ratio Lower Upper  
75 100  
77 1.8 90.5 271.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.223 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN082328.D  
Acq: 23 May 2024 17:56

Tgt Ion: 75 Resp: 99504  
Ion Ratio Lower Upper  
75 100  
53 0.3 72.9 109.3#  
89 0.0 39.1 58.7#

