

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060724\  
 Data File : VN082496.D  
 Acq On : 07 Jun 2024 16:38  
 Operator : JC\MD  
 Sample : P2771-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-196-DUP-20240604

Quant Time: Jun 08 01:00:13 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

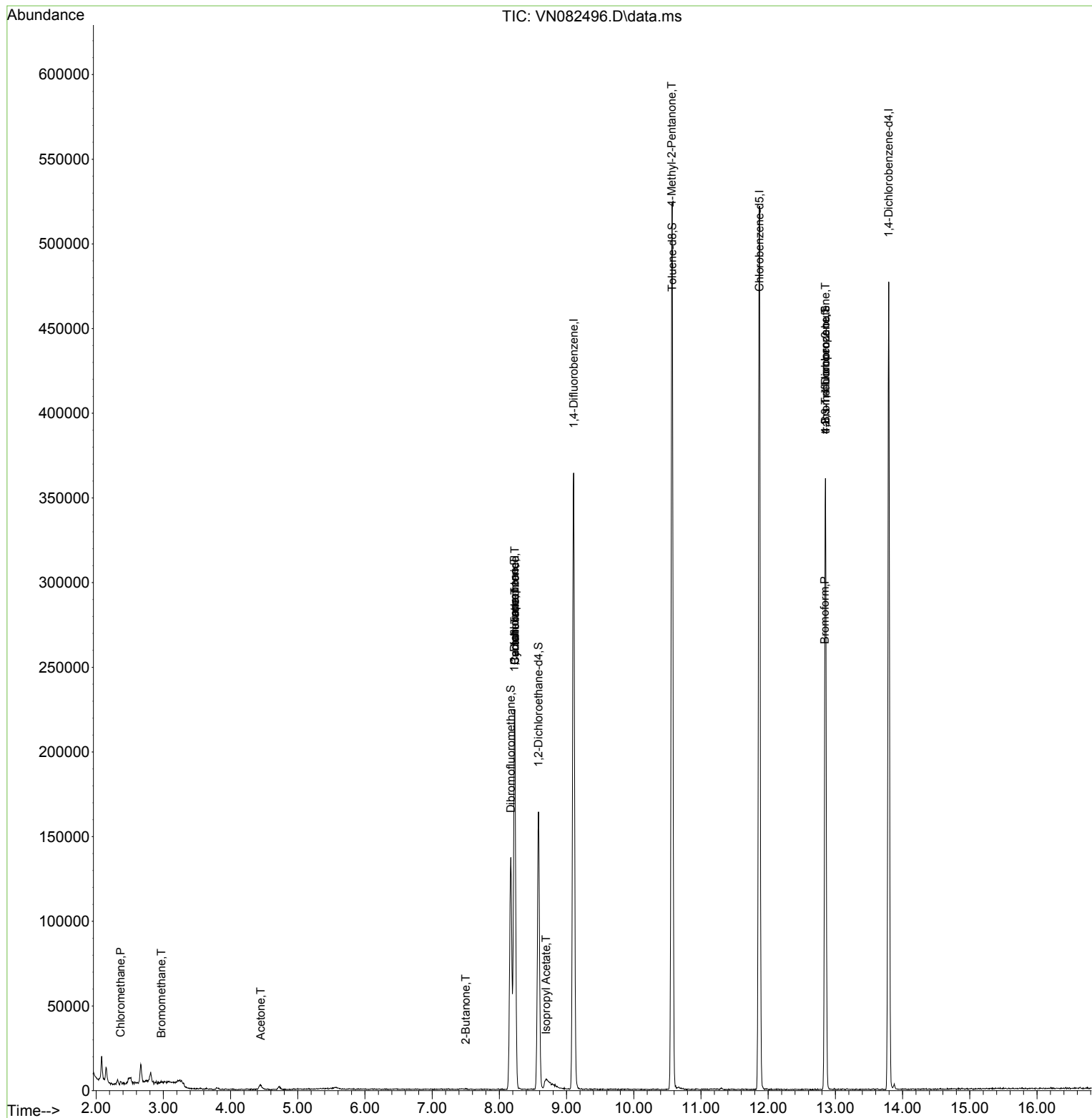
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 8.230          | 168  | 154410              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 290629              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870         | 117  | 279727              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 117974              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582          | 65   | 132197              | 54.220 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 108.440% |        |        |          |
| 35) Dibromofluoromethane      | 8.171          | 113  | 96117               | 53.762 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 107.520% |        |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 348558              | 50.852 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 101.700% |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.853         | 95   | 116283              | 47.531 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 64 - 133 |      | Recovery = 95.060%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 3) Chloromethane              | 2.365          | 50   | 797                 | 0.316  | ug/l # | 60       |
| 5) Bromomethane               | 2.971          | 94   | 333                 | 0.244  | ug/l # | 3        |
| 16) Acetone                   | 4.447          | 43   | 5701                | 5.700  | ug/l # | 79       |
| 25) 2-Butanone                | 7.500          | 43   | 571                 | 0.377  | ug/l # | 43       |
| 31) Cyclohexane               | 8.230          | 56   | 4247                | 1.091  | ug/l # | 43       |
| 36) 1,1-Dichloropropene       | 8.224          | 75   | 14907               | 4.972  | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 8.230          | 117  | 16679               | 5.487  | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.694          | 43   | 7451                | 1.253  | ug/l # | 52       |
| 51) 4-Methyl-2-Pentanone      | 10.565         | 43   | 2239                | 0.663  | ug/l # | 1        |
| 71) Bromoform                 | 12.841         | 173  | 248                 | 0.852  | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 66296               | 26.699 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 66296               | 62.448 | ug/l # | 12       |
| -----                         |                |      |                     |        |        |          |

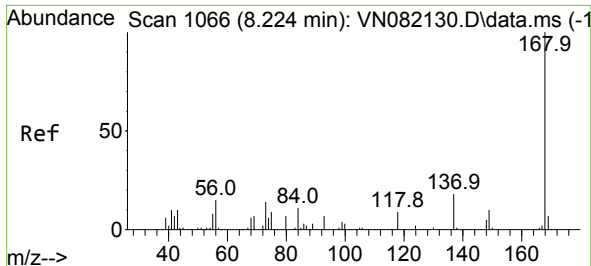
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060724\  
Data File : VN082496.D  
Acq On : 07 Jun 2024 16:38  
Operator : JC\MD  
Sample : P2771-08  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-DUP-20240604

Quant Time: Jun 08 01:00:13 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

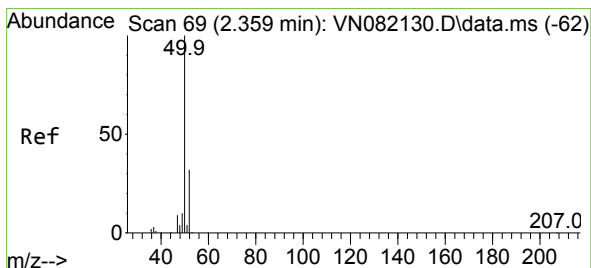
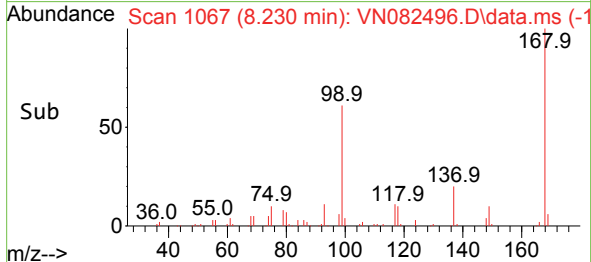
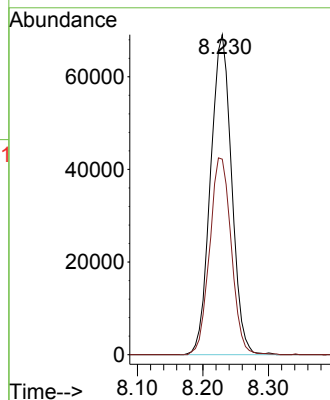
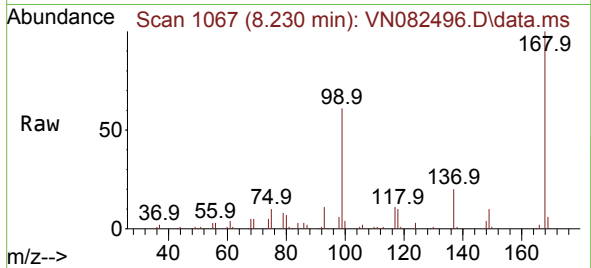




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

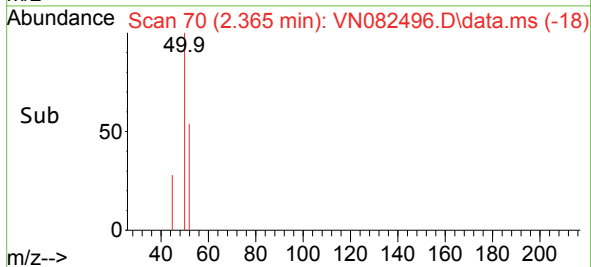
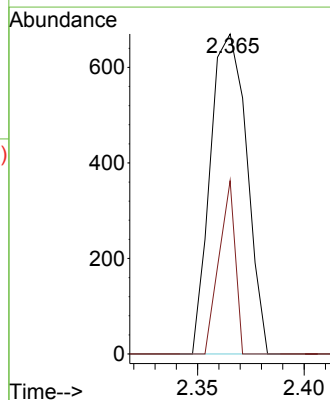
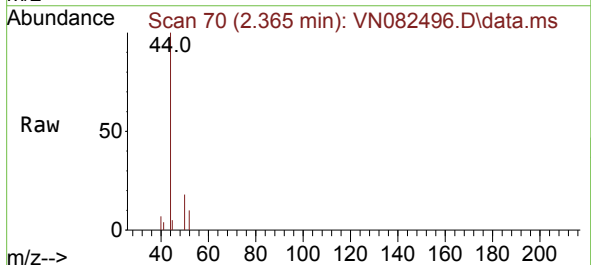
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-DUP-20240604

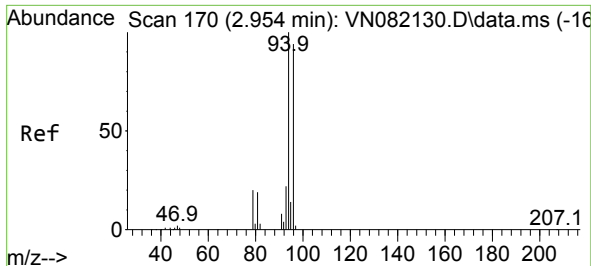
Tgt Ion:168 Resp: 154410  
Ion Ratio Lower Upper  
168 100  
99 61.1 48.2 72.4



#3  
Chloromethane  
Concen: 0.316 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Tgt Ion: 50 Resp: 797  
Ion Ratio Lower Upper  
50 100  
52 54.2 25.5 38.3#

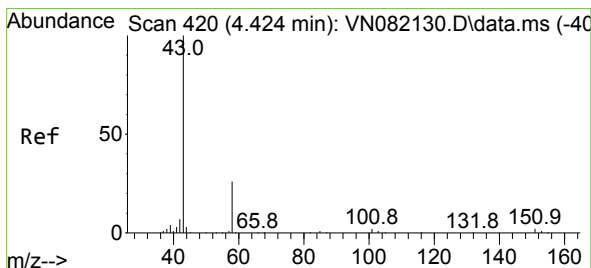
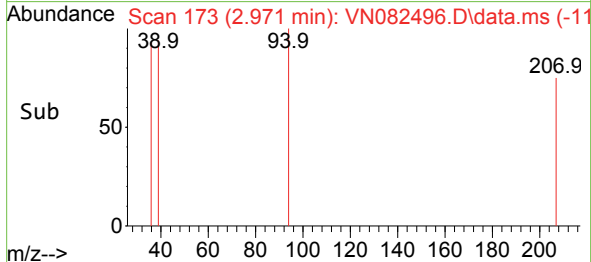
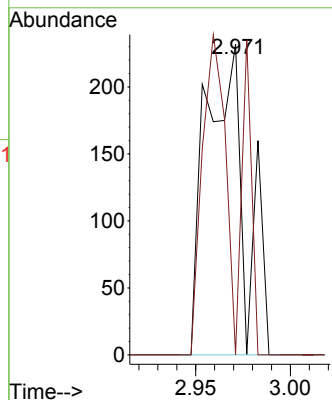
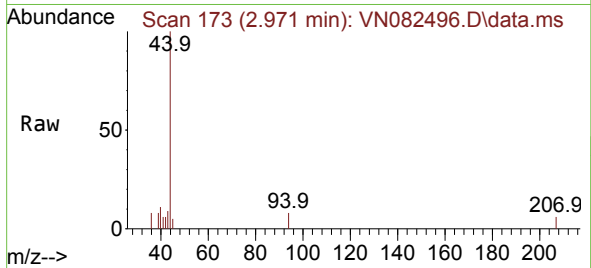




#5  
Bromomethane  
Concen: 0.244 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

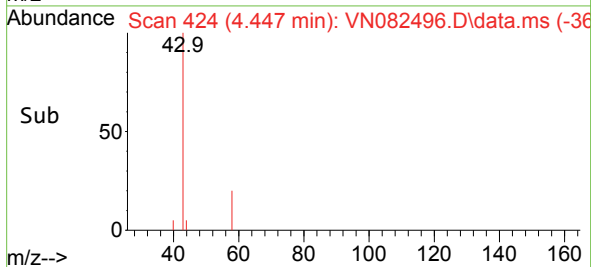
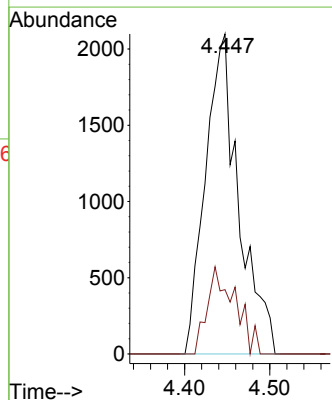
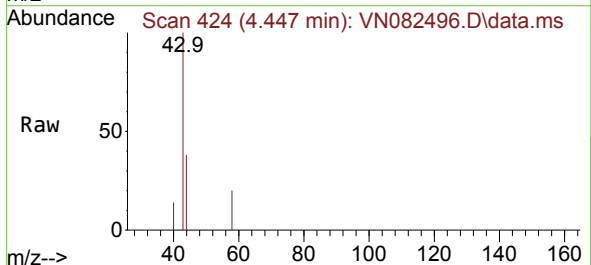
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-DUP-20240604

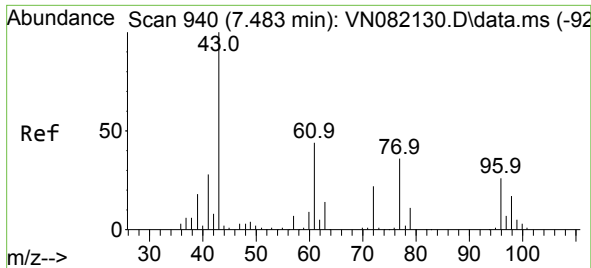
Tgt Ion: 94 Resp: 333  
Ion Ratio Lower Upper  
94 100  
96 0.0 74.8 112.2#



#16  
Acetone  
Concen: 5.700 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.023 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Tgt Ion: 43 Resp: 5701  
Ion Ratio Lower Upper  
43 100  
58 20.1 25.2 37.8#

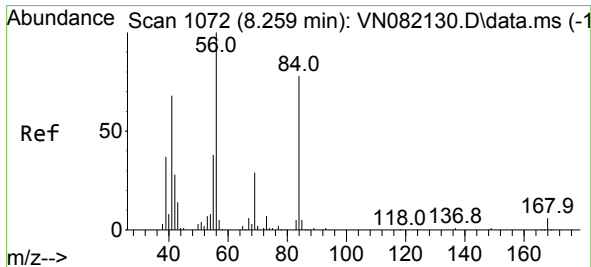
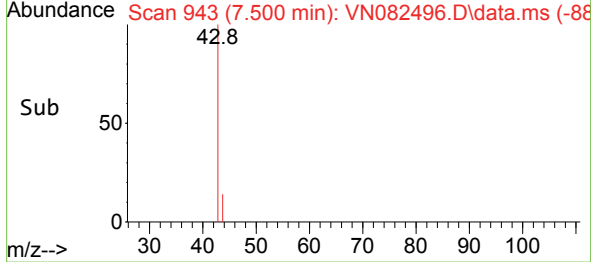
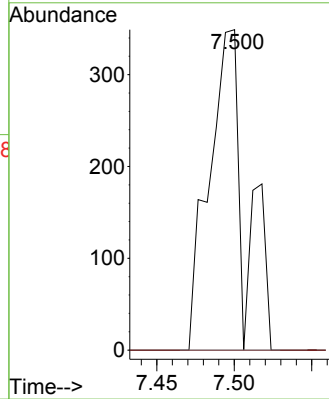
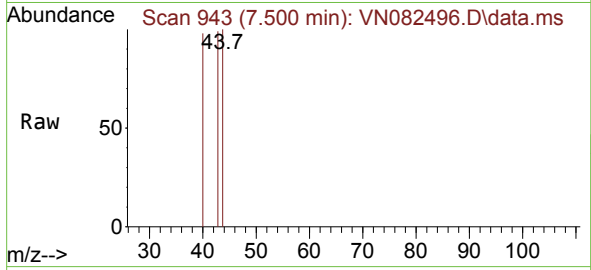




#25  
2-Butanone  
Concen: 0.377 ug/l  
RT: 7.500 min Scan# 940  
Delta R.T. 0.018 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

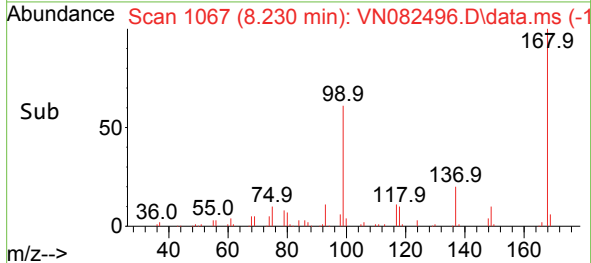
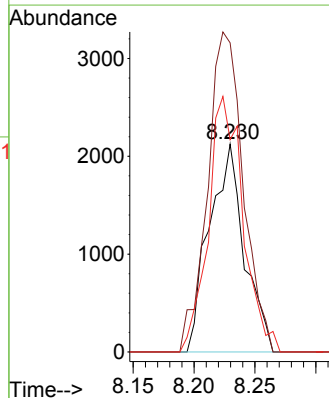
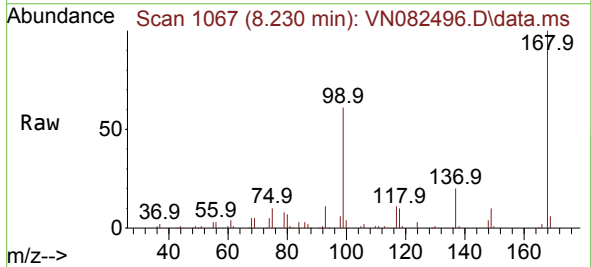
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-DUP-20240604

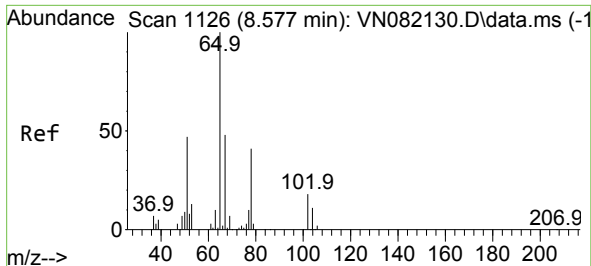
Tgt Ion: 43 Resp: 571  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.3 37.9#



#31  
Cyclohexane  
Concen: 1.091 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.029 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Tgt Ion: 56 Resp: 4247  
Ion Ratio Lower Upper  
56 100  
69 148.8 24.4 36.6#  
84 102.2 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 54.220 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082496.D

Acq: 07 Jun 2024 16:38

Instrument :

MSVOA\_N

ClientSampleId :

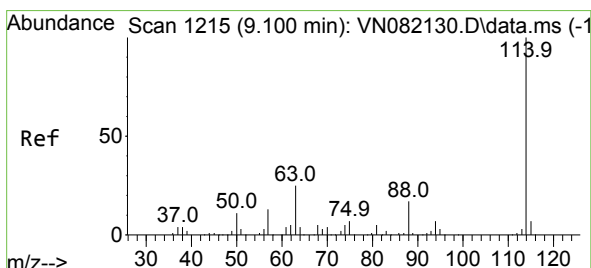
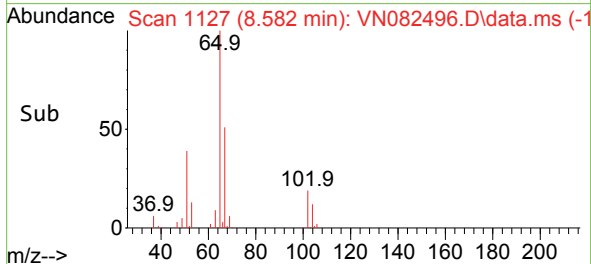
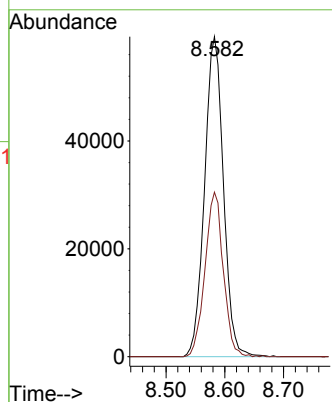
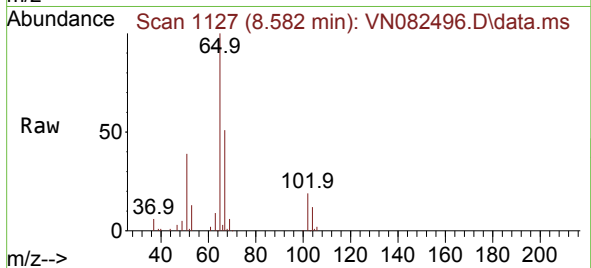
BP-VPB-196-DUP-20240604

Tgt Ion: 65 Resp: 132197

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082496.D

Acq: 07 Jun 2024 16:38

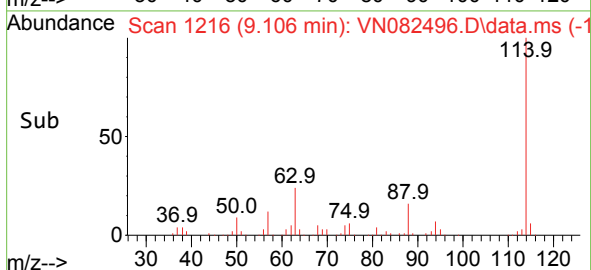
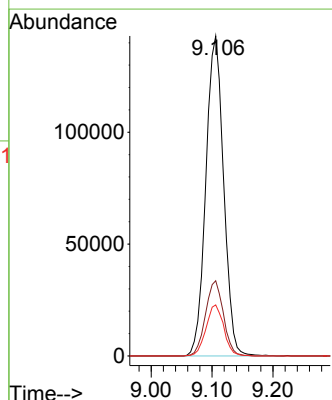
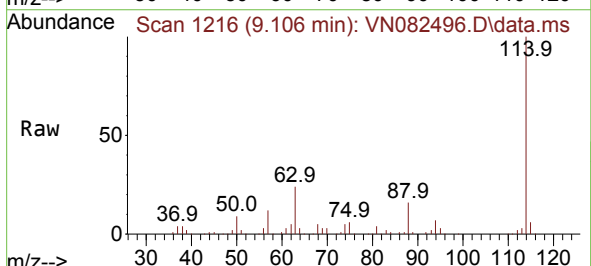
Tgt Ion: 114 Resp: 290629

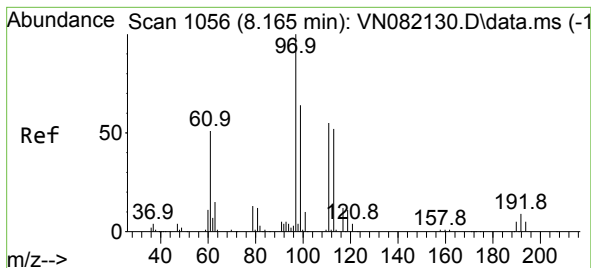
Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.762 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN082496.D

Acq: 07 Jun 2024 16:38

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-196-DUP-20240604

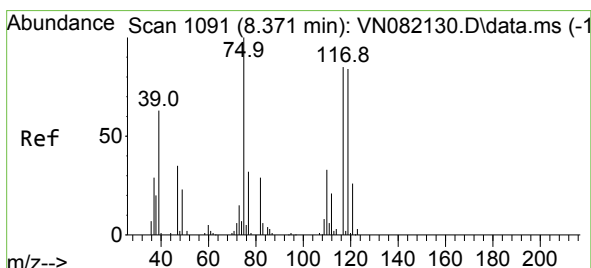
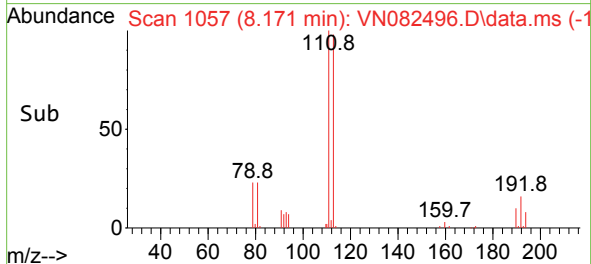
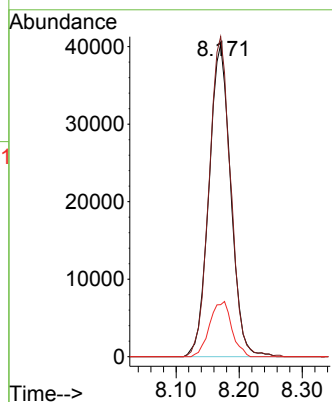
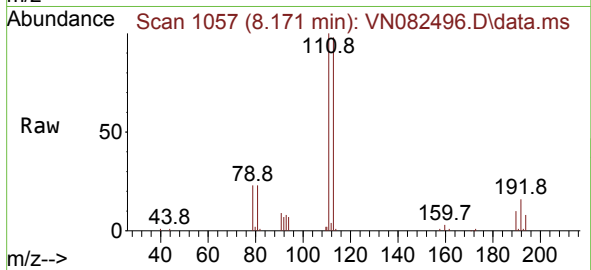
Tgt Ion:113 Resp: 96117

Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

192 17.9 14.0 21.0



#36

1,1-Dichloropropene

Concen: 4.972 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082496.D

Acq: 07 Jun 2024 16:38

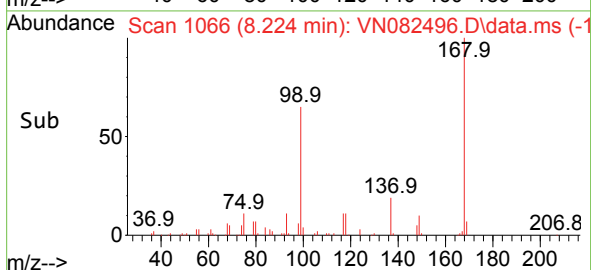
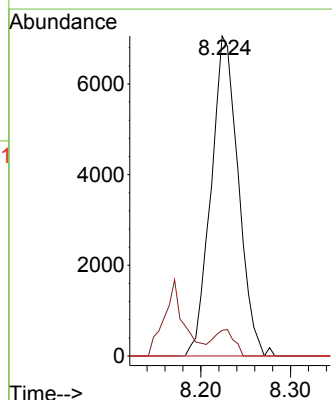
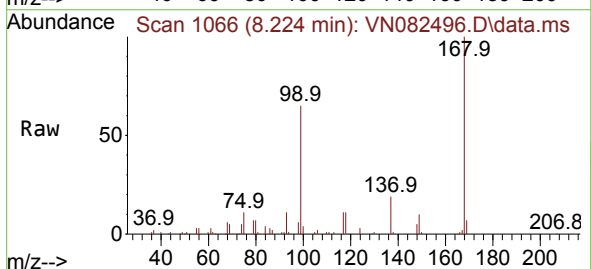
Tgt Ion: 75 Resp: 14907

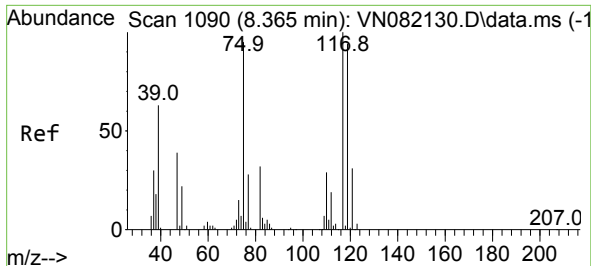
Ion Ratio Lower Upper

75 100

110 6.2 17.8 53.5#

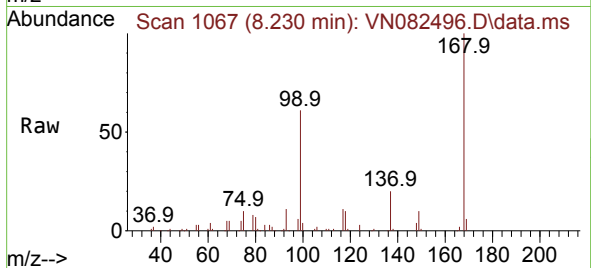
77 0.0 25.0 37.4#



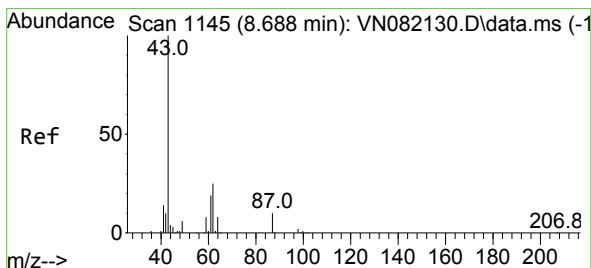
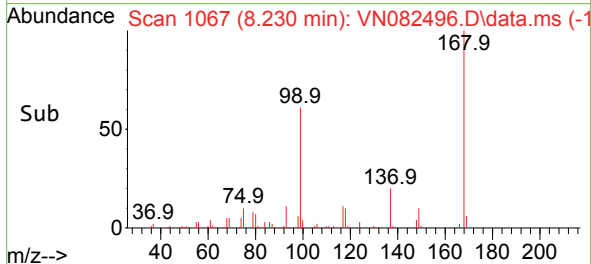
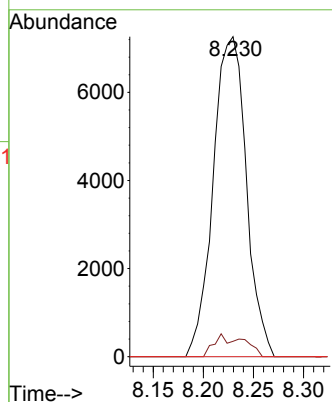


#38  
Carbon Tetrachloride  
Concen: 5.487 ug/l  
RT: 8.230 min Scan# 1090  
Delta R.T. -0.135 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Instrument : MSVOA\_N  
ClientSampleId : BP-VPB-196-DUP-20240604

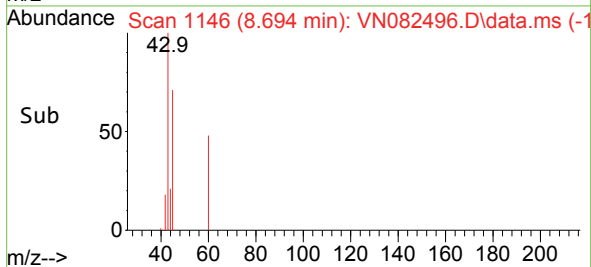
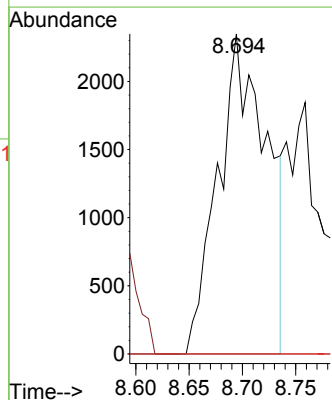
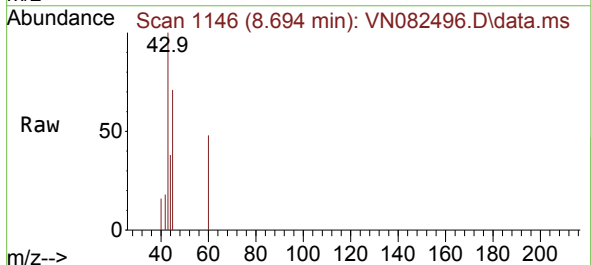


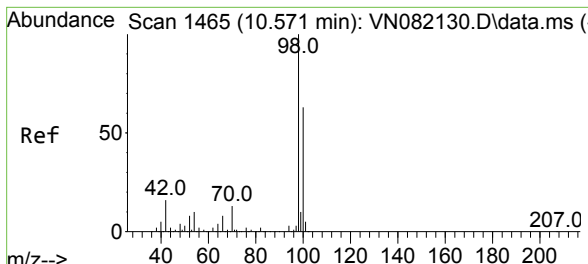
Tgt Ion:117 Resp: 16679  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.5 114.7#  
121 0.0 23.9 35.9#



#43  
Isopropyl Acetate  
Concen: 1.253 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Tgt Ion: 43 Resp: 7451  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.8 34.2#  
87 0.0 12.0 18.0#

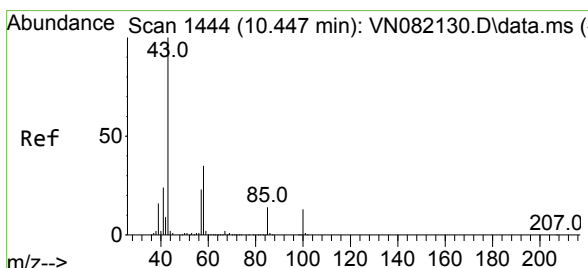
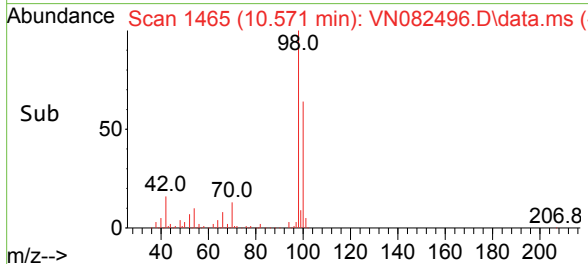
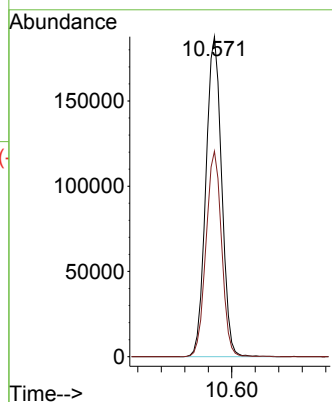
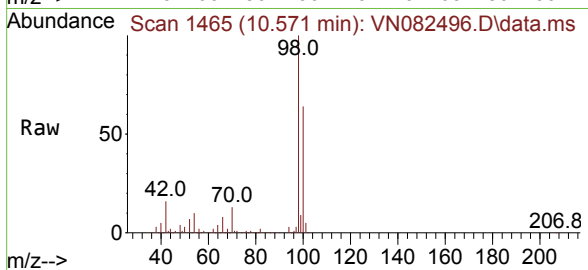




#50  
Toluene-d8  
Concen: 50.852 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

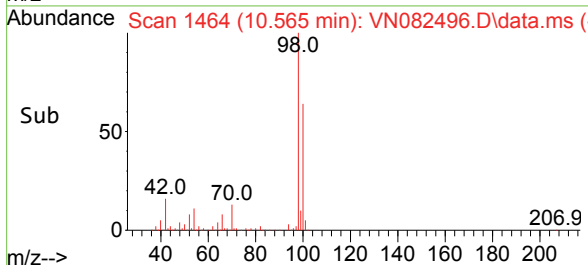
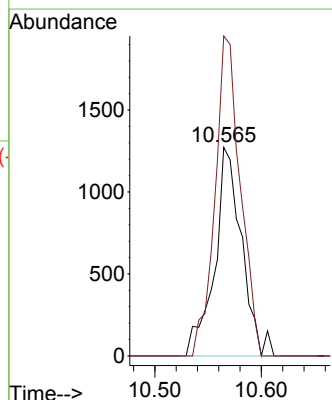
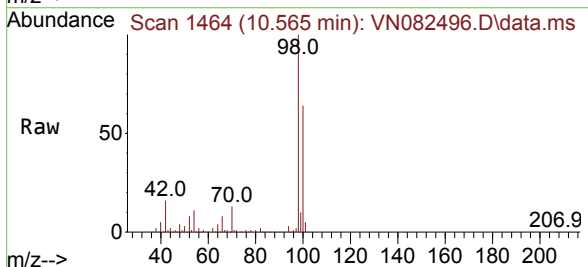
Instrument : MSVOA\_N  
ClientSampleId : BP-VPB-196-DUP-20240604

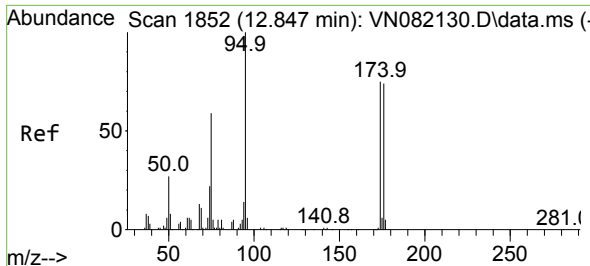
Tgt Ion: 98 Resp: 348558  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 0.663 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.118 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Tgt Ion: 43 Resp: 2239  
Ion Ratio Lower Upper  
43 100  
58 144.0 33.2 49.8#

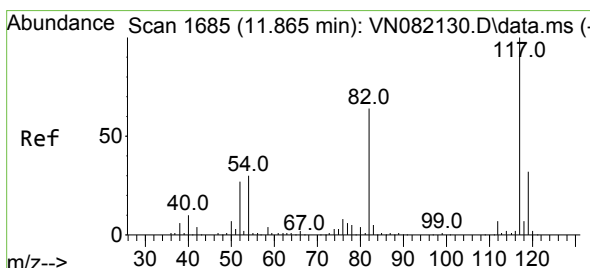
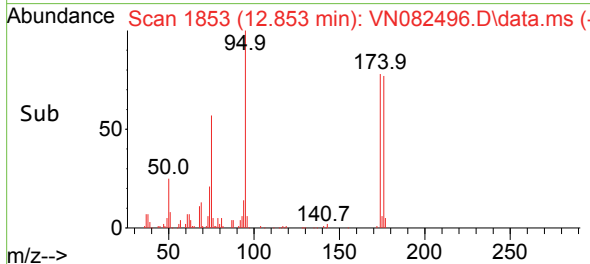
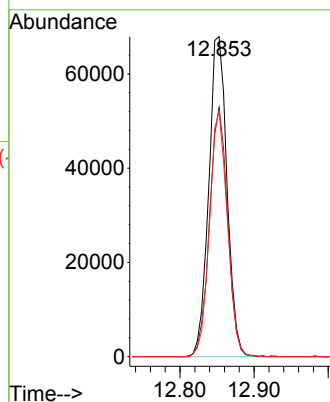
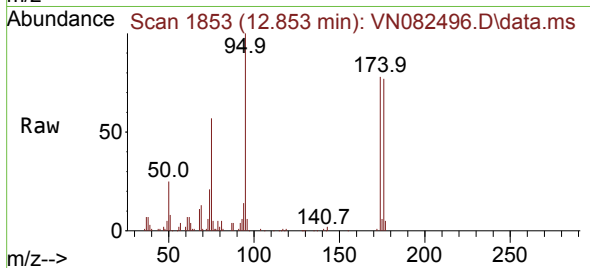




#62  
4-Bromofluorobenzene  
Concen: 47.531 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

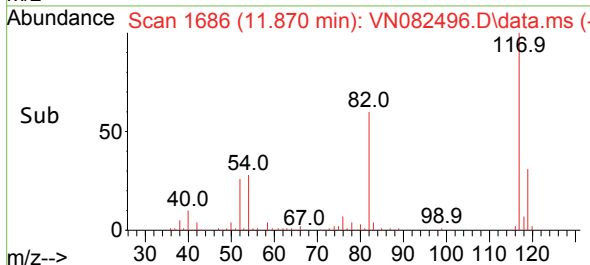
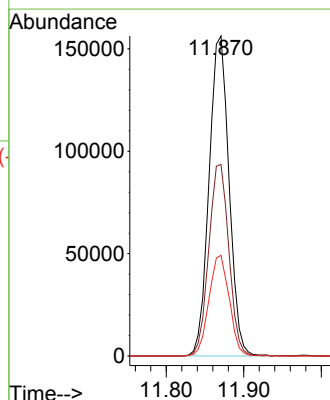
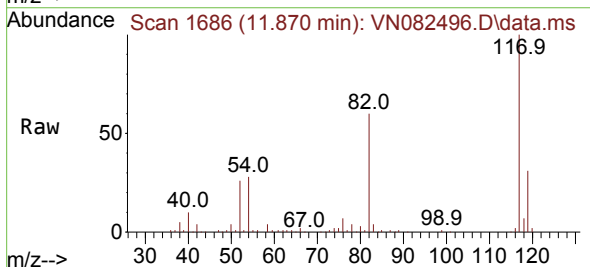
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-DUP-20240604

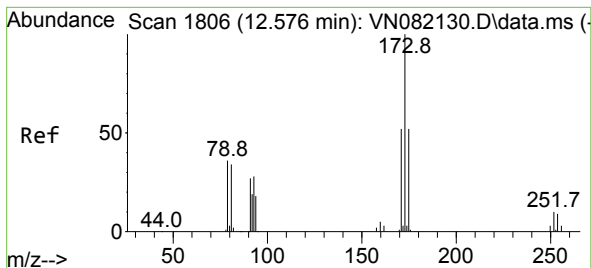
Tgt Ion: 95 Resp: 116283  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 160.6  
176 74.8 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Tgt Ion: 117 Resp: 279727  
Ion Ratio Lower Upper  
117 100  
82 59.8 44.6 66.8  
119 31.5 25.9 38.9





#71

Bromoform

Concen: 0.852 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN082496.D

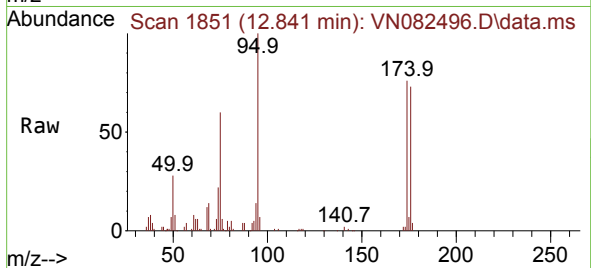
Acq: 07 Jun 2024 16:38

Instrument :

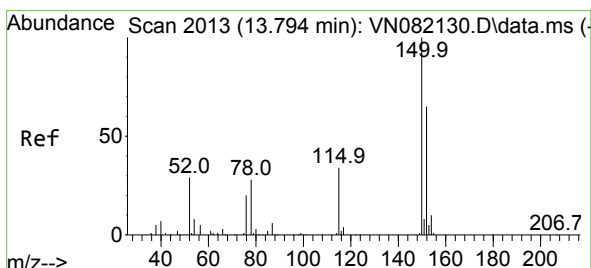
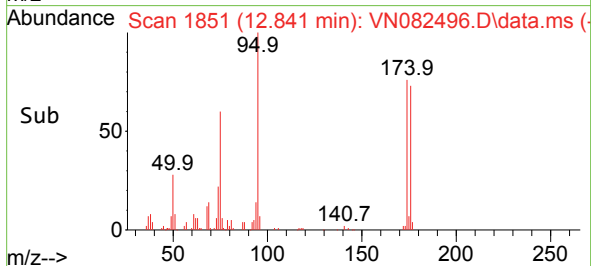
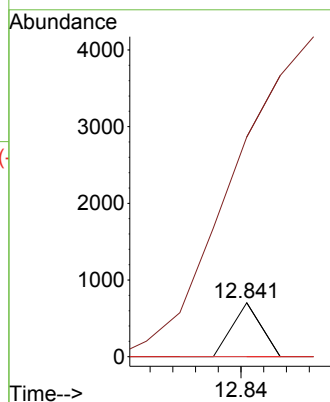
MSVOA\_N

ClientSampleId :

BP-VPB-196-DUP-20240604



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 248   |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 0.0   | 24.6  | 74.0# |
| 254       | 0.0   | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

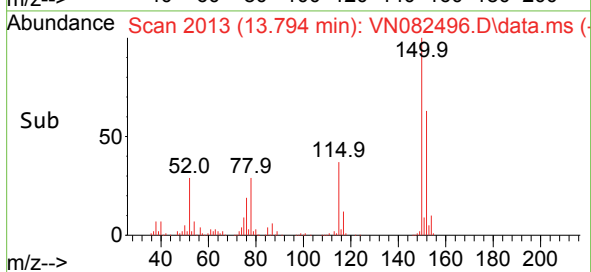
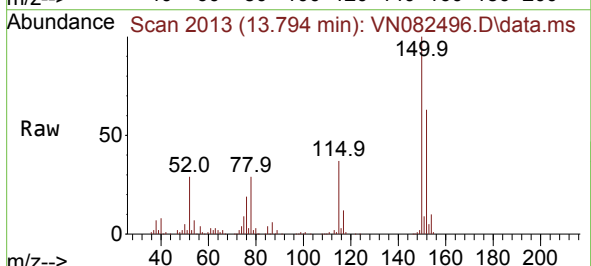
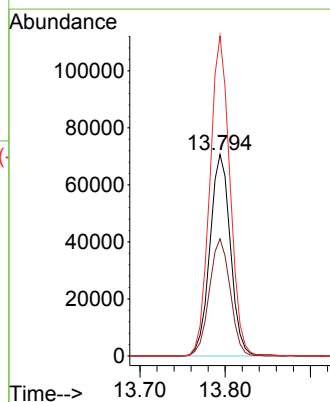
RT: 13.794 min Scan# 2013

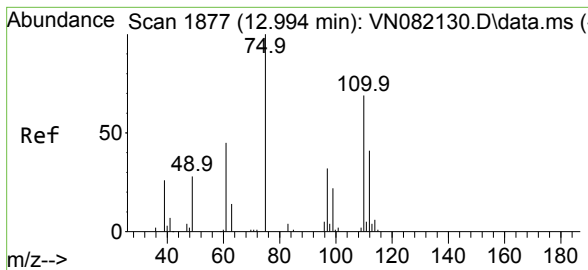
Delta R.T. -0.000 min

Lab File: VN082496.D

Acq: 07 Jun 2024 16:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 117974 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.0  | 30.4  | 91.3   |
| 150       | 156.0 | 0.0   | 353.2  |

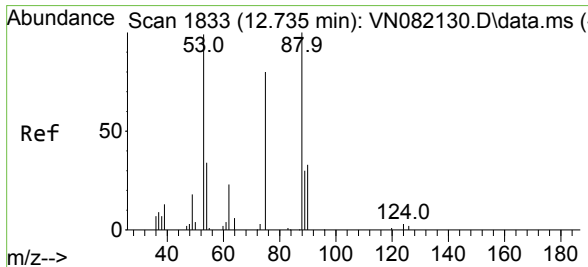
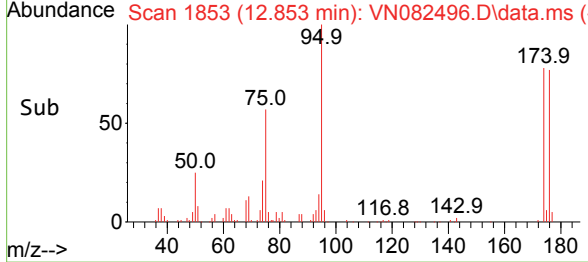
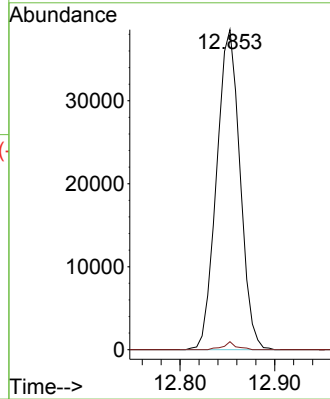
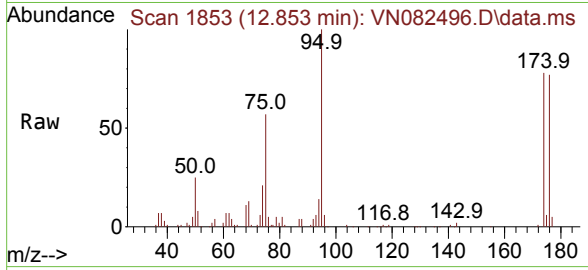




#76  
1,2,3-Trichloropropane  
Concen: 26.699 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Instrument : MSVOA\_N  
ClientSampleId : BP-VPB-196-DUP-20240604

Tgt Ion: 75 Resp: 66296  
Ion Ratio Lower Upper  
75 100  
77 1.4 90.5 271.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.448 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.118 min  
Lab File: VN082496.D  
Acq: 07 Jun 2024 16:38

Tgt Ion: 75 Resp: 66296  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.9 109.3#  
89 0.0 39.1 58.7#

