

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060724\  
 Data File : VN082492.D  
 Acq On : 07 Jun 2024 15:00  
 Operator : JC\MD  
 Sample : P2771-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-100-102

Quant Time: Jun 08 00:58:40 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

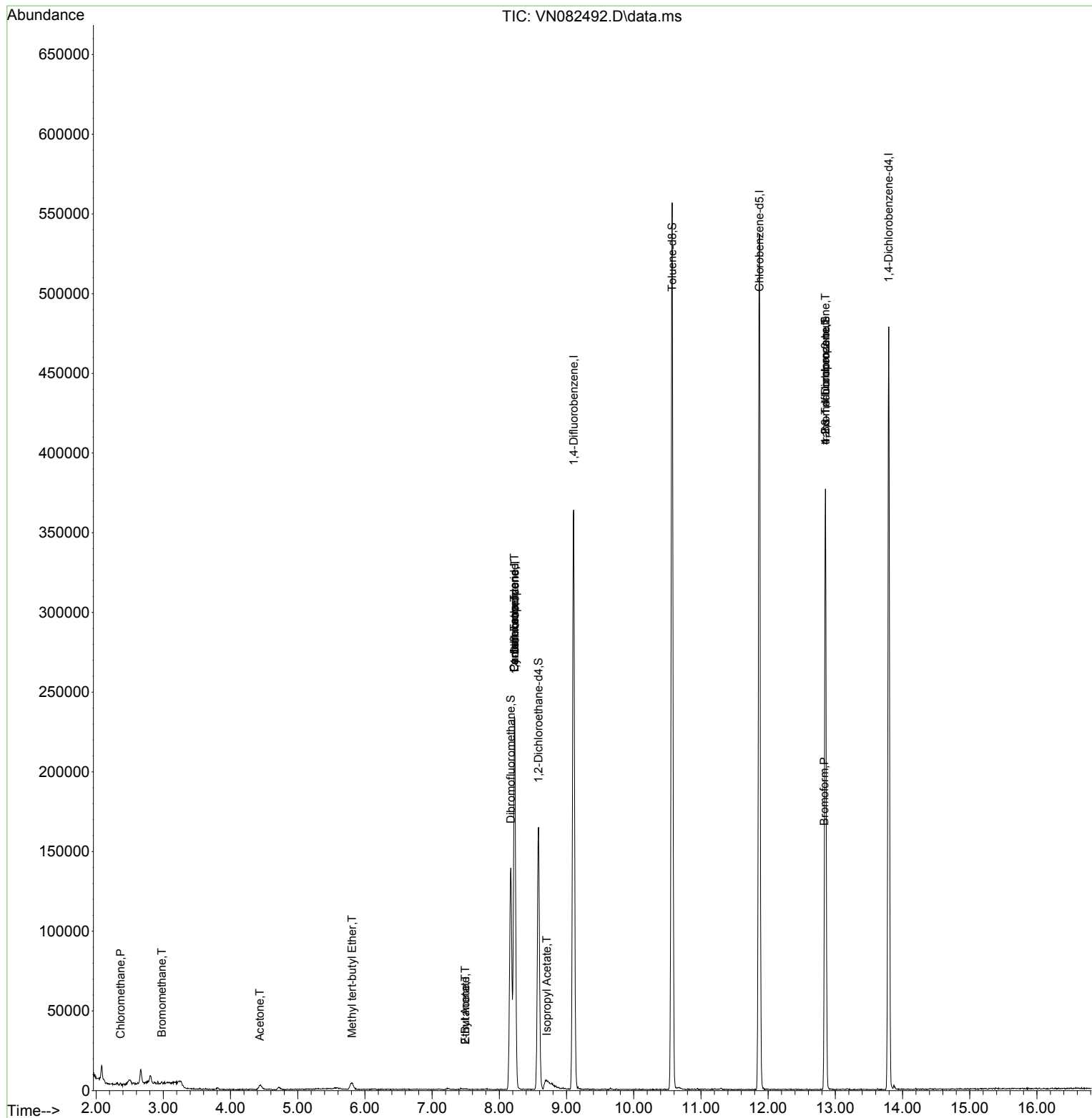
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 161172              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 290120              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871         | 117  | 284649              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 118031              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583          | 65   | 133586              | 52.491 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 104.980% |        |        |          |
| 35) Dibromofluoromethane      | 8.171          | 113  | 99256               | 55.615 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 111.240% |        |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 361444              | 52.825 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 105.640% |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.853         | 95   | 118801              | 48.645 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 64 - 133 |      | Recovery = 97.300%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 3) Chloromethane              | 2.365          | 50   | 1142                | 0.434  | ug/l # | 88       |
| 5) Bromomethane               | 2.977          | 94   | 433                 | 0.304  | ug/l   | 96       |
| 16) Acetone                   | 4.436          | 43   | 5940                | 5.690  | ug/l # | 84       |
| 19) Methyl tert-butyl Ether   | 5.806          | 73   | 6523                | 1.014  | ug/l   | 95       |
| 25) 2-Butanone                | 7.494          | 43   | 822                 | 0.519  | ug/l # | 43       |
| 31) Cyclohexane               | 8.224          | 56   | 4851                | 1.193  | ug/l # | 46       |
| 36) 1,1-Dichloropropene       | 8.230          | 75   | 14706               | 4.913  | ug/l # | 50       |
| 37) Ethyl Acetate             | 7.494          | 43   | 822                 | 0.245  | ug/l # | 68       |
| 38) Carbon Tetrachloride      | 8.224          | 117  | 17245               | 5.683  | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.706          | 43   | 7418                | 1.250  | ug/l # | 52       |
| 71) Bromoform                 | 12.835         | 173  | 232                 | 0.840  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 71005               | 28.582 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 71005               | 66.852 | ug/l # | 12       |
| -----                         |                |      |                     |        |        |          |

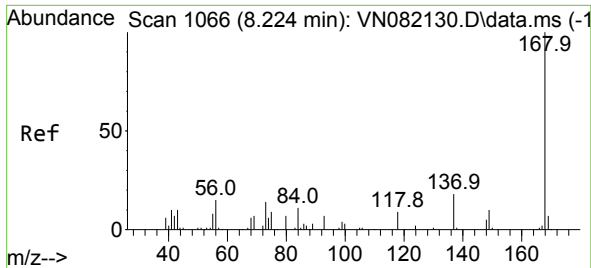
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060724\  
Data File : VN082492.D  
Acq On : 07 Jun 2024 15:00  
Operator : JC\MD  
Sample : P2771-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

Quant Time: Jun 08 00:58:40 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

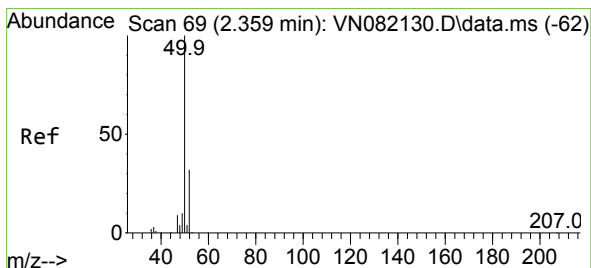
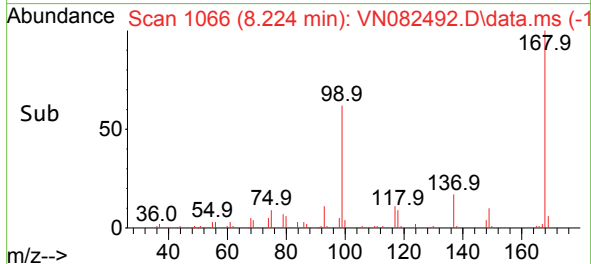
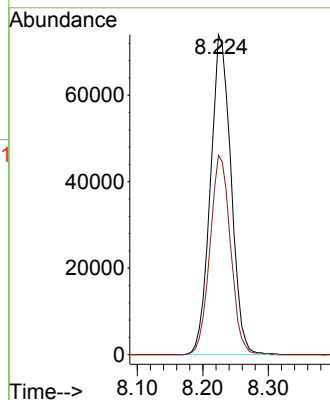
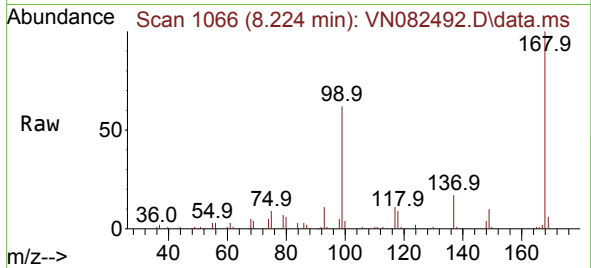




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

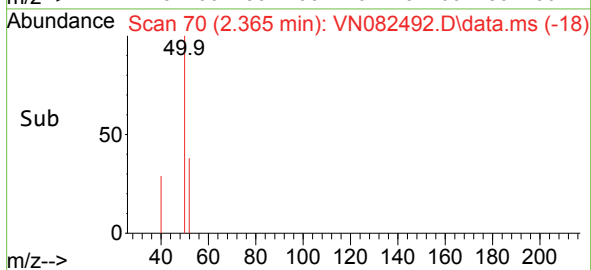
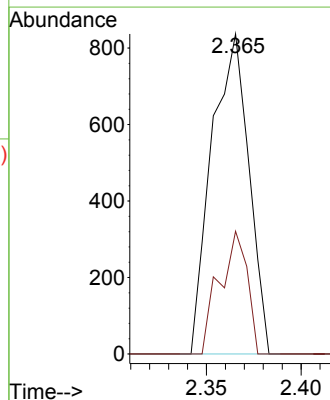
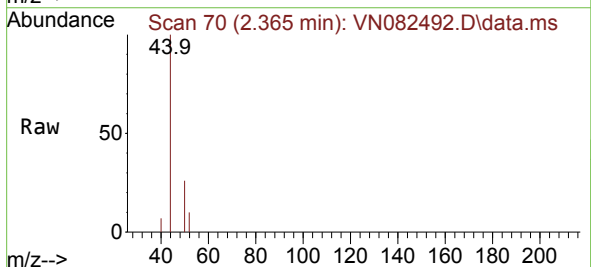
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

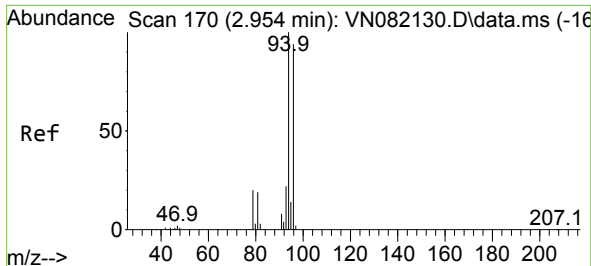
Tgt Ion:168 Resp: 161172  
Ion Ratio Lower Upper  
168 100  
99 62.3 48.2 72.4



#3  
Chloromethane  
Concen: 0.434 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

Tgt Ion: 50 Resp: 1142  
Ion Ratio Lower Upper  
50 100  
52 38.4 25.5 38.3#

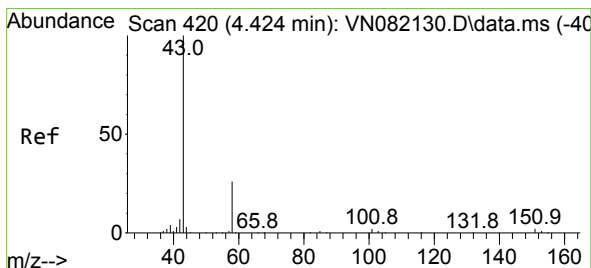
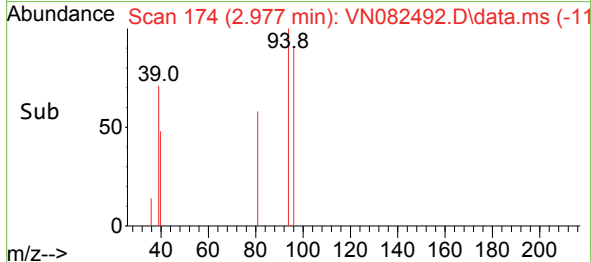
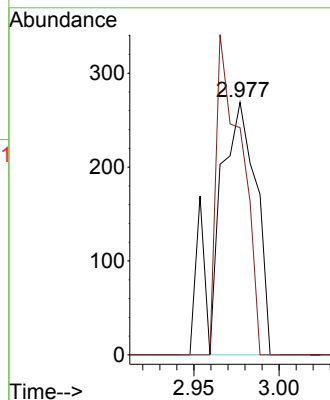
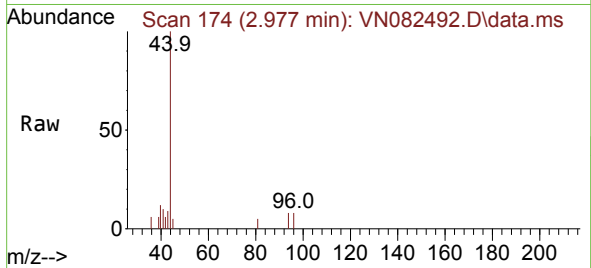




#5  
Bromomethane  
Concen: 0.304 ug/l  
RT: 2.977 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

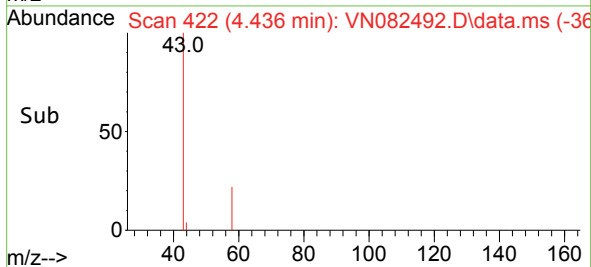
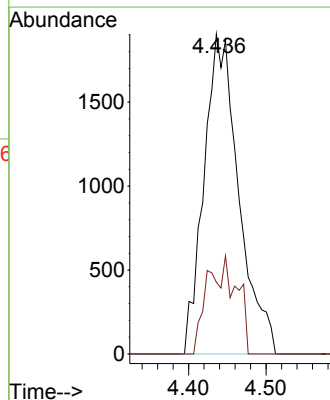
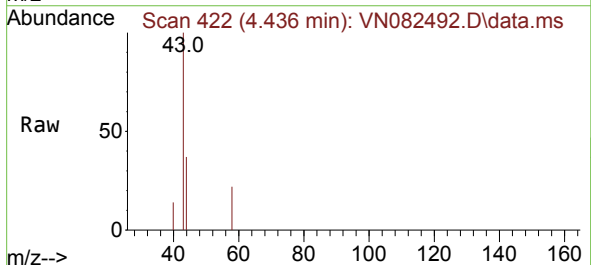
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

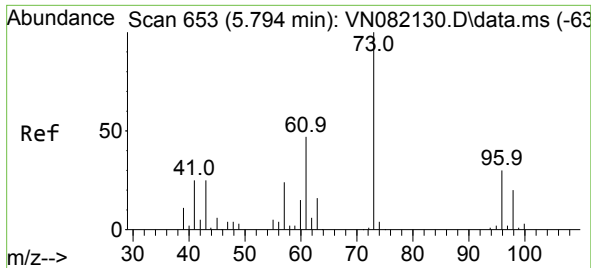
Tgt Ion: 94 Resp: 433  
Ion Ratio Lower Upper  
94 100  
96 90.0 74.8 112.2



#16  
Acetone  
Concen: 5.690 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

Tgt Ion: 43 Resp: 5940  
Ion Ratio Lower Upper  
43 100  
58 22.4 25.2 37.8#

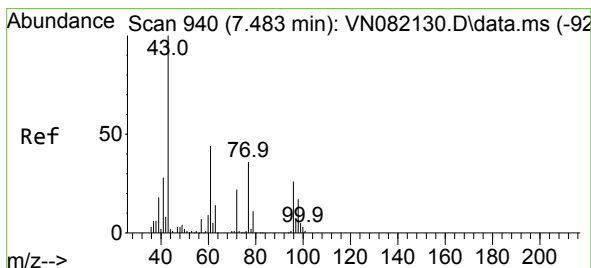
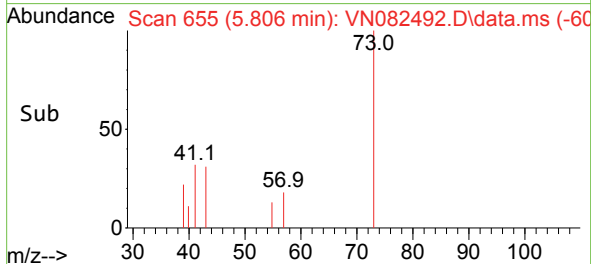
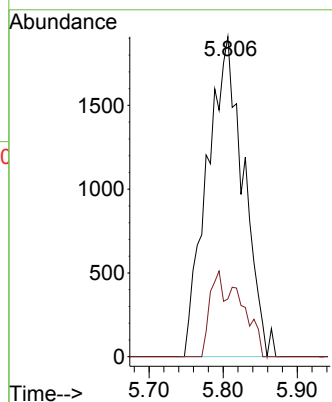
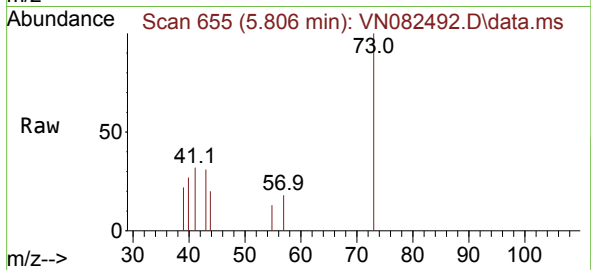




#19  
Methyl tert-butyl Ether  
Concen: 1.014 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

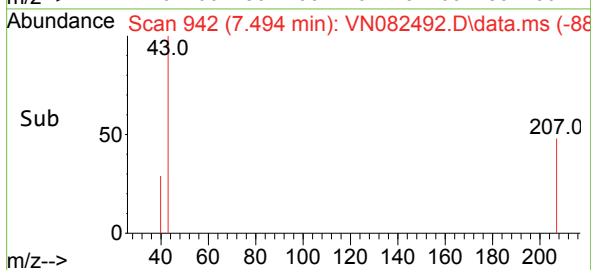
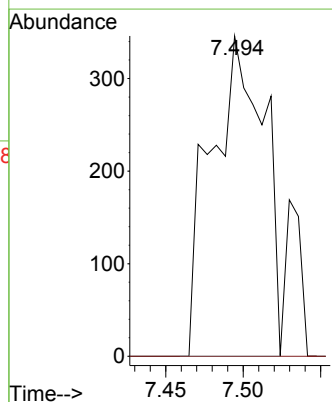
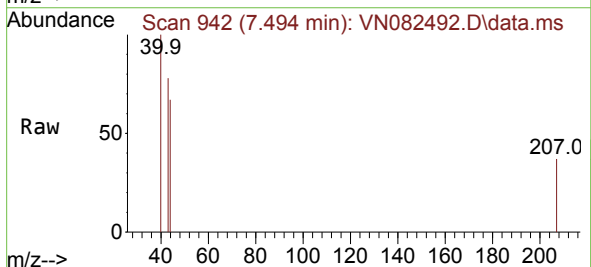
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

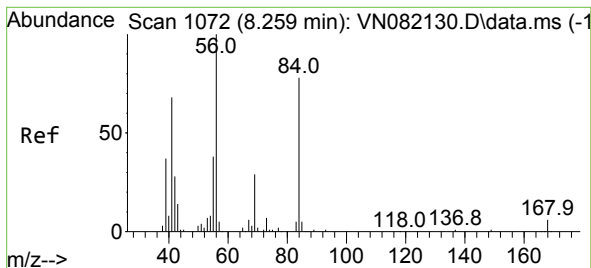
Tgt Ion: 73 Resp: 6523  
Ion Ratio Lower Upper  
73 100  
57 18.1 16.5 24.7



#25  
2-Butanone  
Concen: 0.519 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.012 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

Tgt Ion: 43 Resp: 822  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.3 37.9#





#31

Cyclohexane

Concen: 1.193 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082492.D

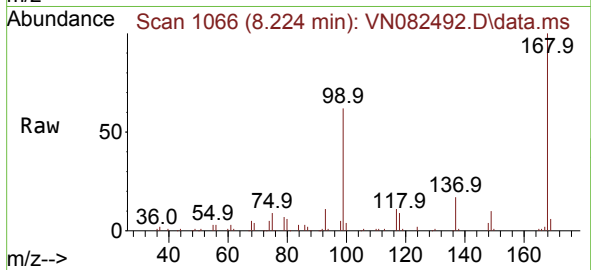
Acq: 07 Jun 2024 15:00

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-196-GW-100-102



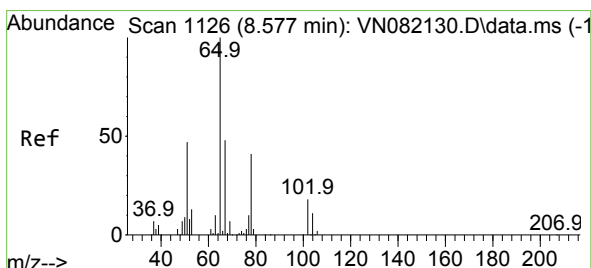
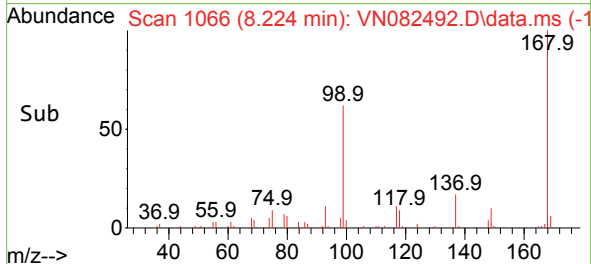
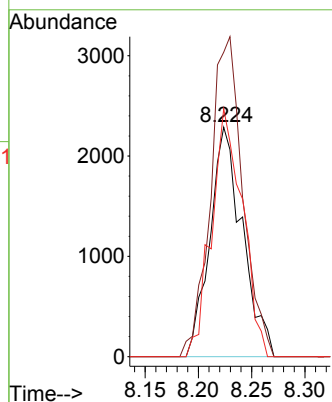
Tgt Ion: 56 Resp: 4851

Ion Ratio Lower Upper

56 100

69 132.7 24.4 36.6#

84 108.0 77.0 115.4



#33

1,2-Dichloroethane-d4

Concen: 52.491 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082492.D

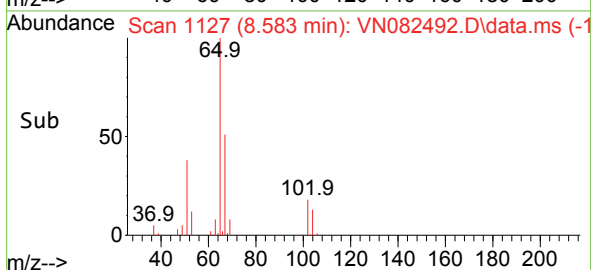
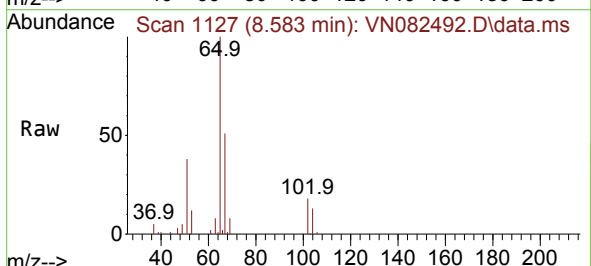
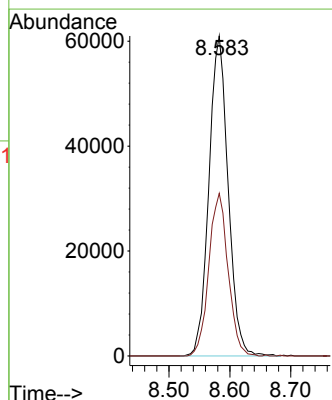
Acq: 07 Jun 2024 15:00

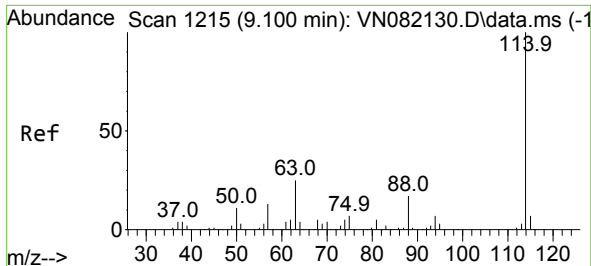
Tgt Ion: 65 Resp: 133586

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.0

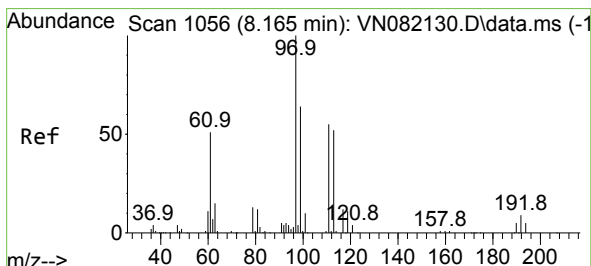
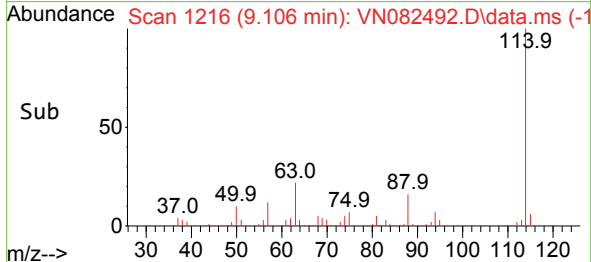
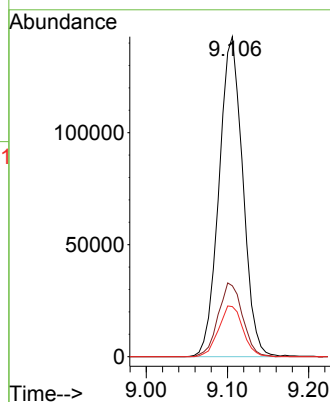
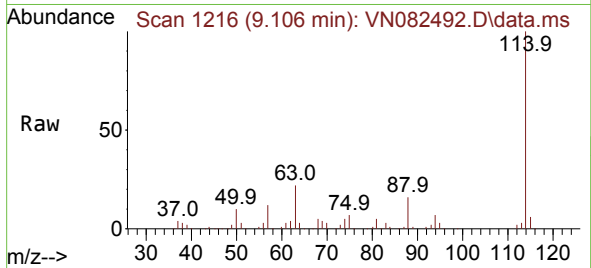




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

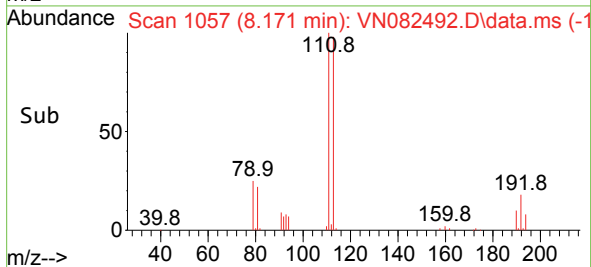
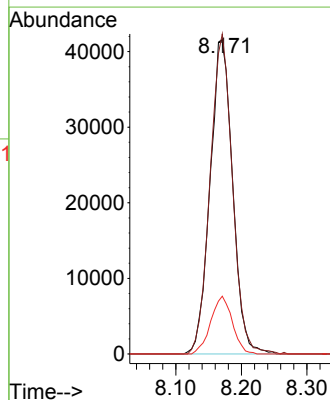
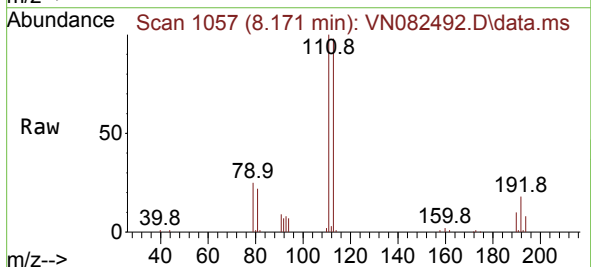
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

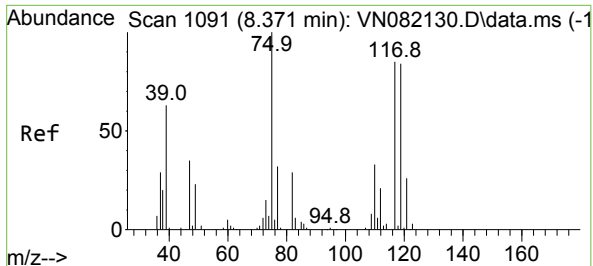
Tgt Ion:114 Resp: 290120  
Ion Ratio Lower Upper  
114 100  
63 22.1 0.0 41.0  
88 15.7 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 55.615 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

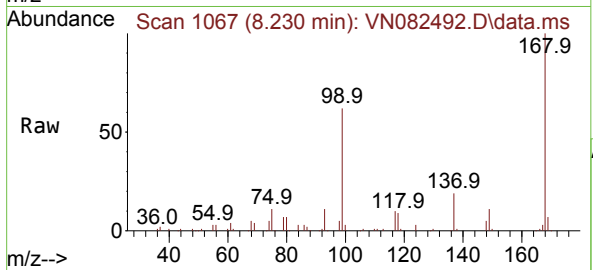
Tgt Ion:113 Resp: 99256  
Ion Ratio Lower Upper  
113 100  
111 100.6 83.4 125.2  
192 17.6 14.0 21.0



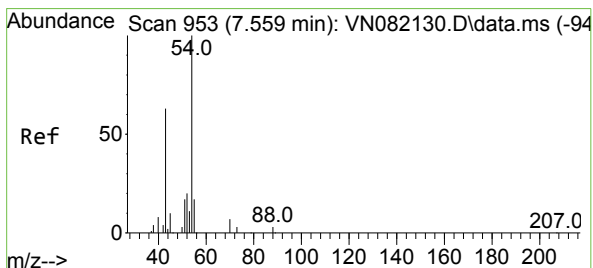
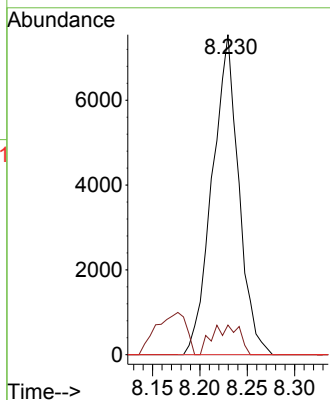
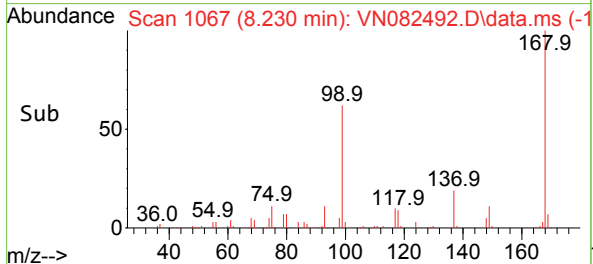


#36  
1,1-Dichloropropene  
Concen: 4.913 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

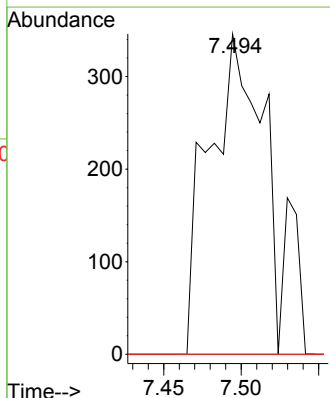
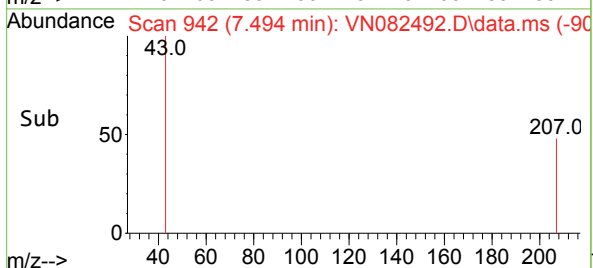
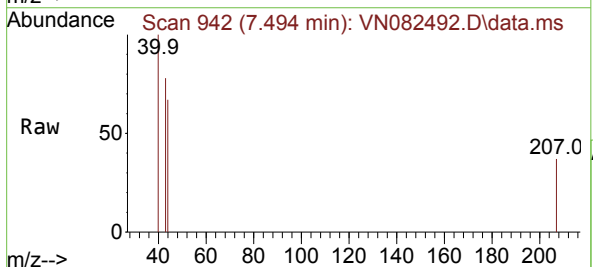


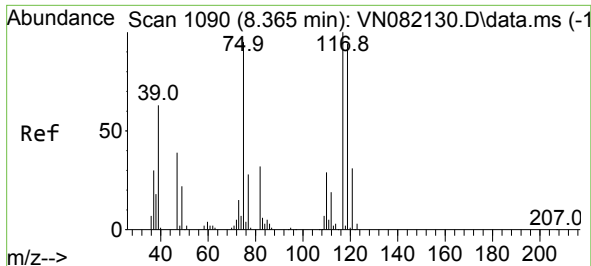
Tgt Ion: 75 Resp: 14706  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.8 53.5#  
77 0.0 25.0 37.4#



#37  
Ethyl Acetate  
Concen: 0.245 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. -0.065 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

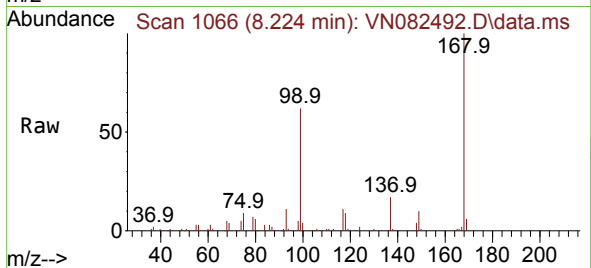
Tgt Ion: 43 Resp: 822  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.3 16.9#  
70 0.0 8.7 13.1#



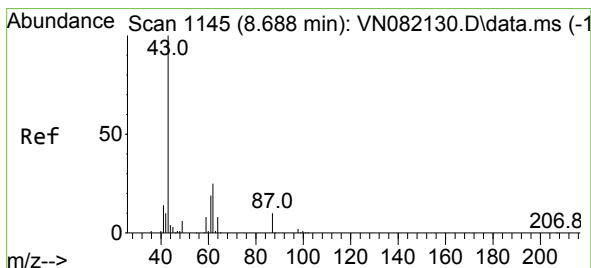
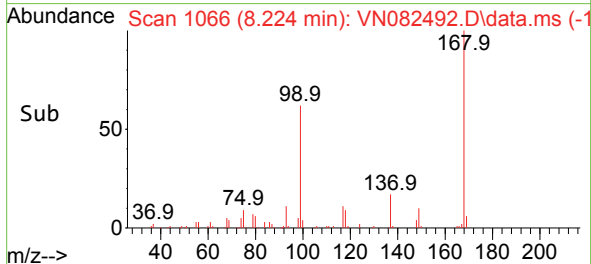
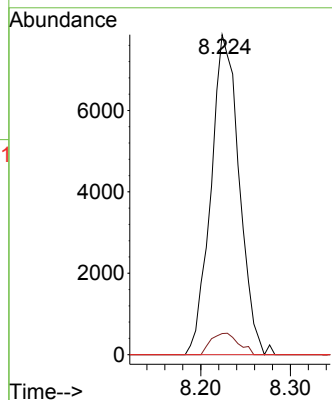


#38  
Carbon Tetrachloride  
Concen: 5.683 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.141 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

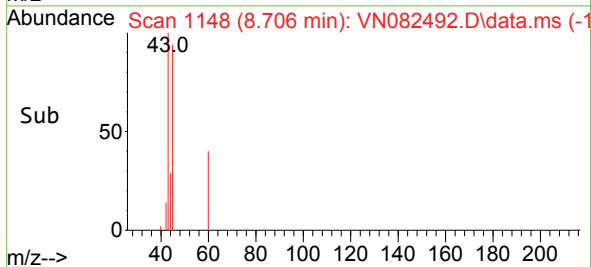
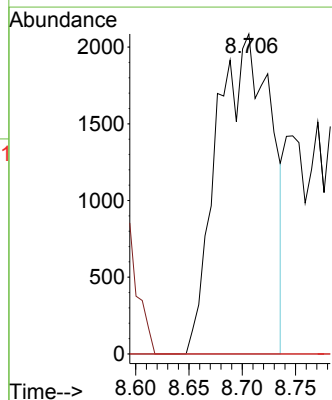
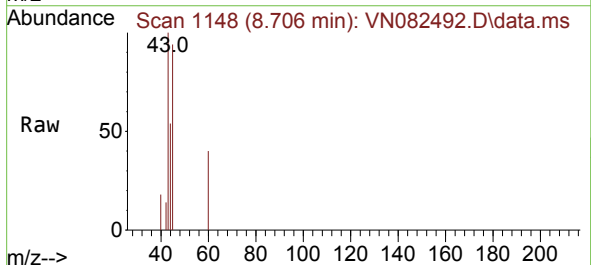


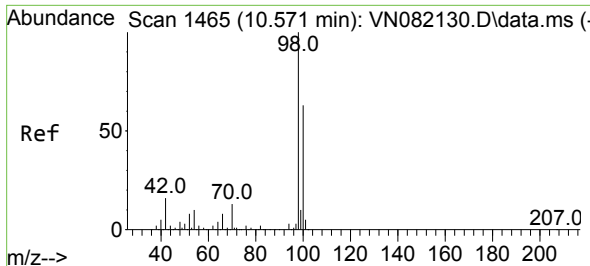
Tgt Ion: 117 Resp: 17245  
Ion Ratio Lower Upper  
117 100  
119 6.6 76.5 114.7#  
121 0.0 23.9 35.9#



#43  
Isopropyl Acetate  
Concen: 1.250 ug/l  
RT: 8.706 min Scan# 1148  
Delta R.T. 0.018 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

Tgt Ion: 43 Resp: 7418  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.8 34.2#  
87 0.0 12.0 18.0#

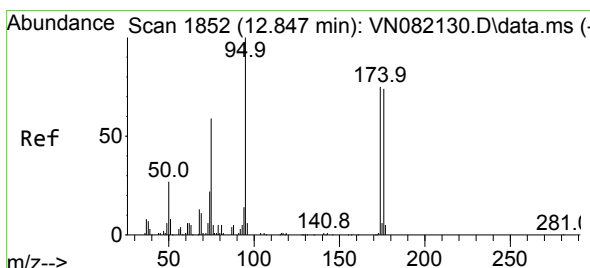
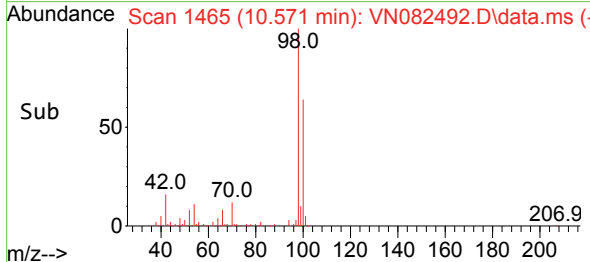
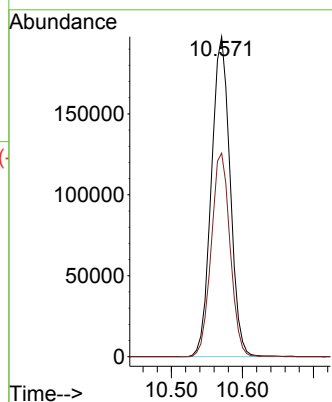
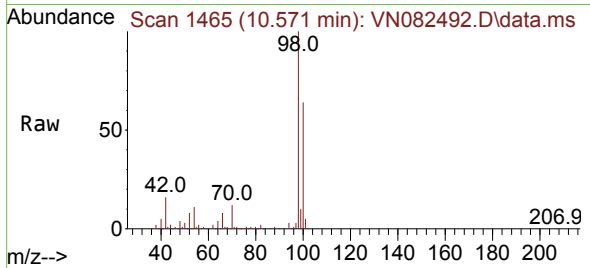




#50  
Toluene-d8  
Concen: 52.825 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

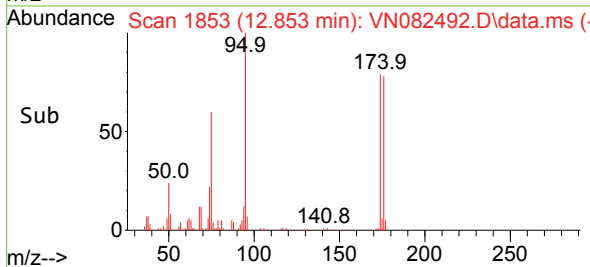
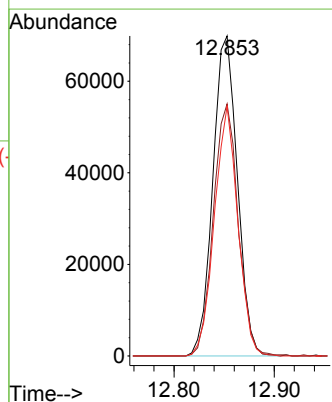
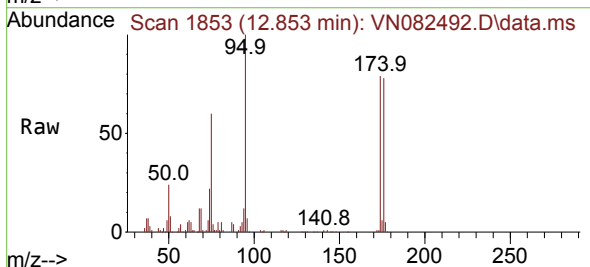
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

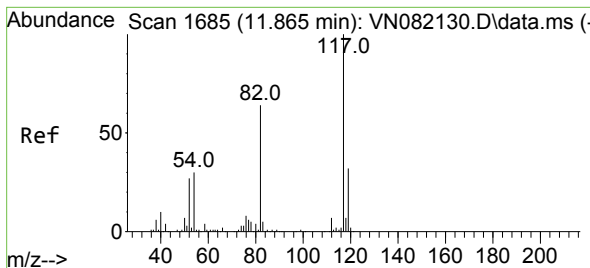
Tgt Ion: 98 Resp: 361444  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 48.645 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

Tgt Ion: 95 Resp: 118801  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 160.6  
176 74.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082492.D

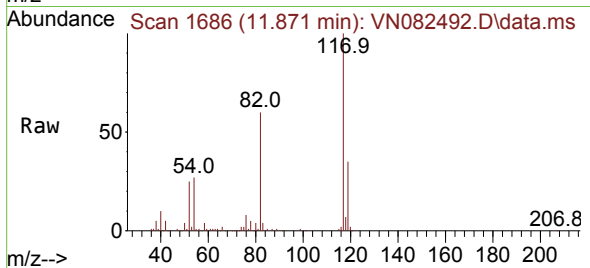
Acq: 07 Jun 2024 15:00

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-196-GW-100-102



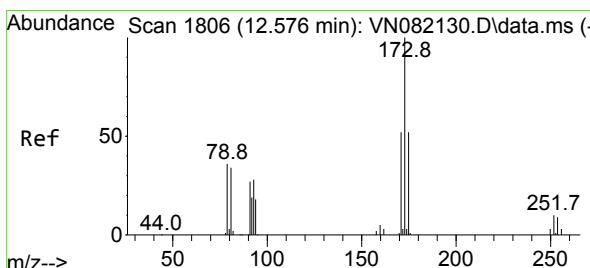
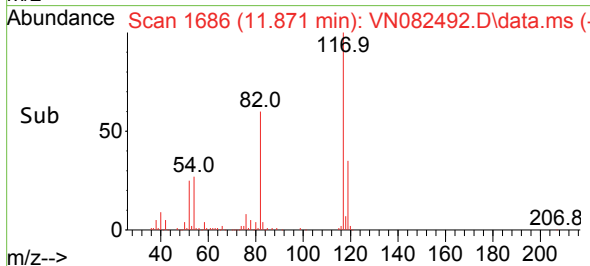
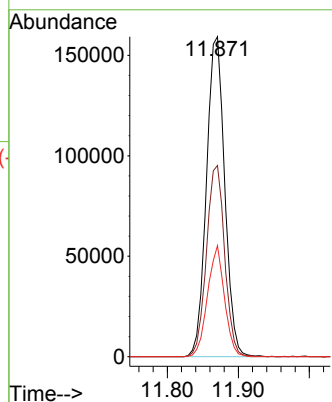
Tgt Ion:117 Resp: 284649

Ion Ratio Lower Upper

117 100

82 59.8 44.6 66.8

119 34.7 25.9 38.9



#71

Bromoform

Concen: 0.840 ug/l

RT: 12.835 min Scan# 1850

Delta R.T. 0.259 min

Lab File: VN082492.D

Acq: 07 Jun 2024 15:00

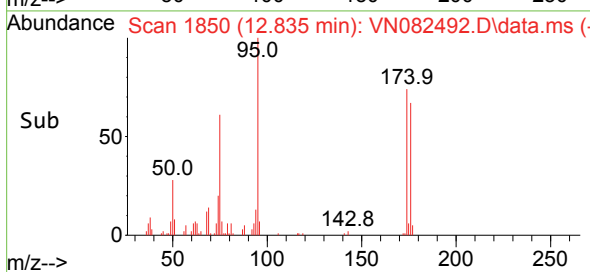
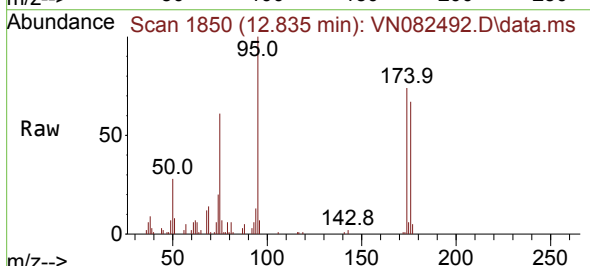
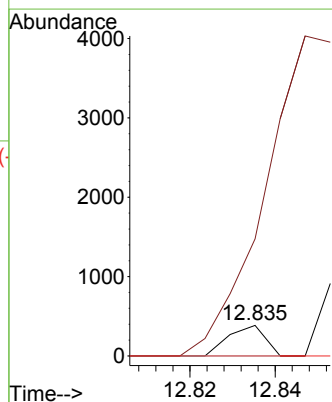
Tgt Ion:173 Resp: 232

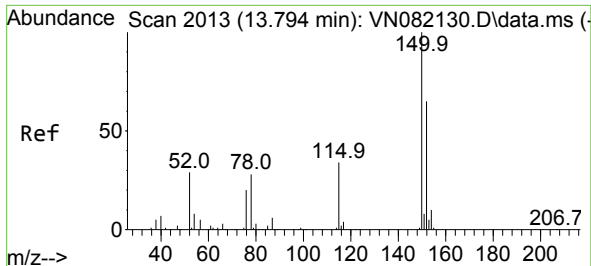
Ion Ratio Lower Upper

173 100

175 2046.6 24.6 74.0#

254 0.0 0.0 0.0

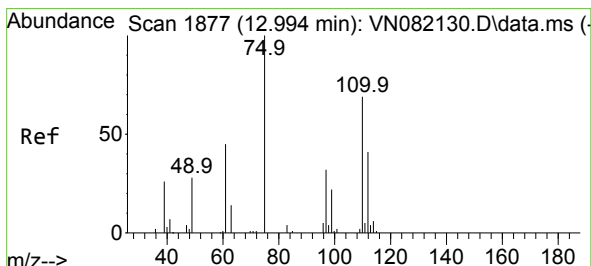
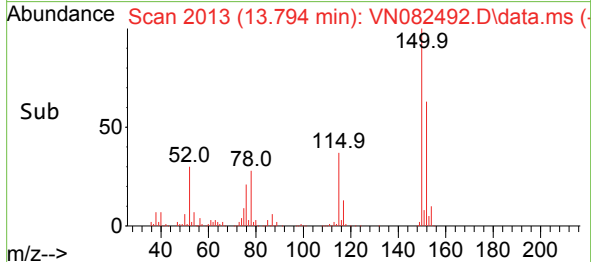
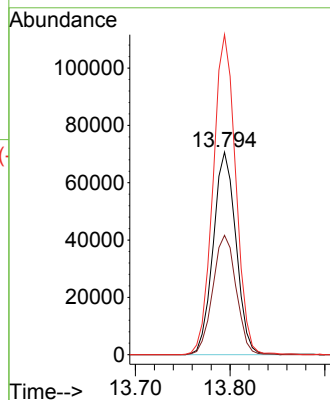
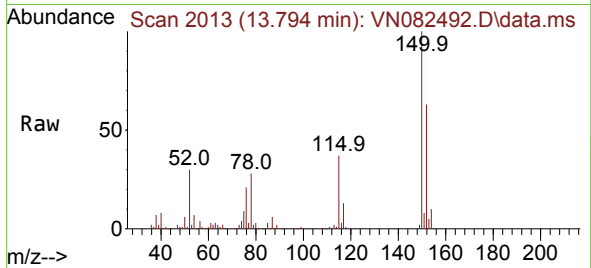




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

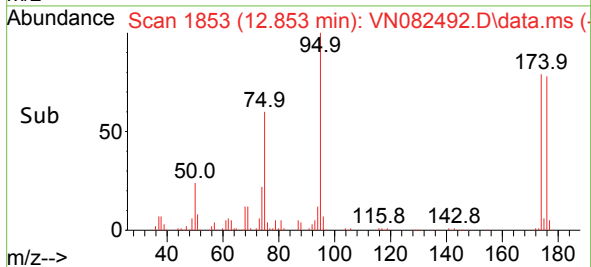
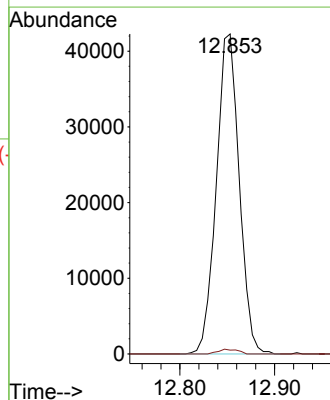
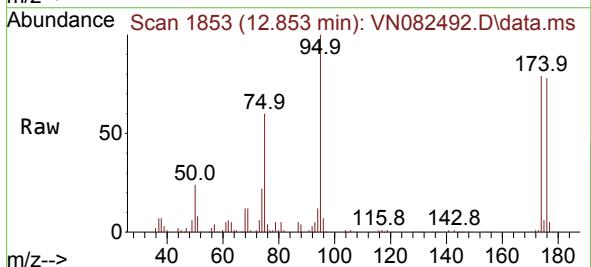
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-100-102

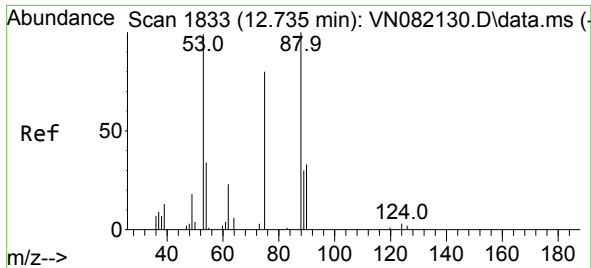
Tgt Ion:152 Resp: 118031  
Ion Ratio Lower Upper  
152 100  
115 60.5 30.4 91.3  
150 157.6 0.0 353.2



#76  
1,2,3-Trichloropropane  
Concen: 28.582 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN082492.D  
Acq: 07 Jun 2024 15:00

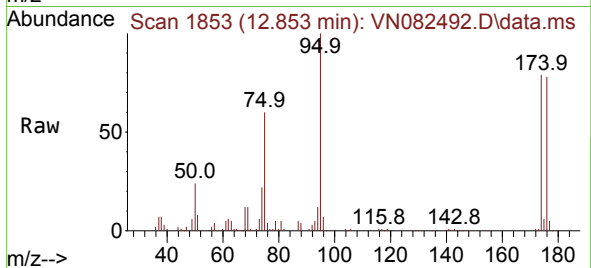
Tgt Ion: 75 Resp: 71005  
Ion Ratio Lower Upper  
75 100  
77 1.3 90.5 271.3#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.852 ug/l  
 RT: 12.853 min Scan# 11  
 Delta R.T. 0.118 min  
 Lab File: VN082492.D  
 Acq: 07 Jun 2024 15:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-100-102



Tgt Ion: 75 Resp: 71005  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 72.9 109.3#  
 89 0.0 39.1 58.7#

