

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061424\  
 Data File : VN082586.D  
 Acq On : 14 Jun 2024 16:27  
 Operator : JC\MD  
 Sample : P2891-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-460-462

Quant Time: Jun 14 23:47:52 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

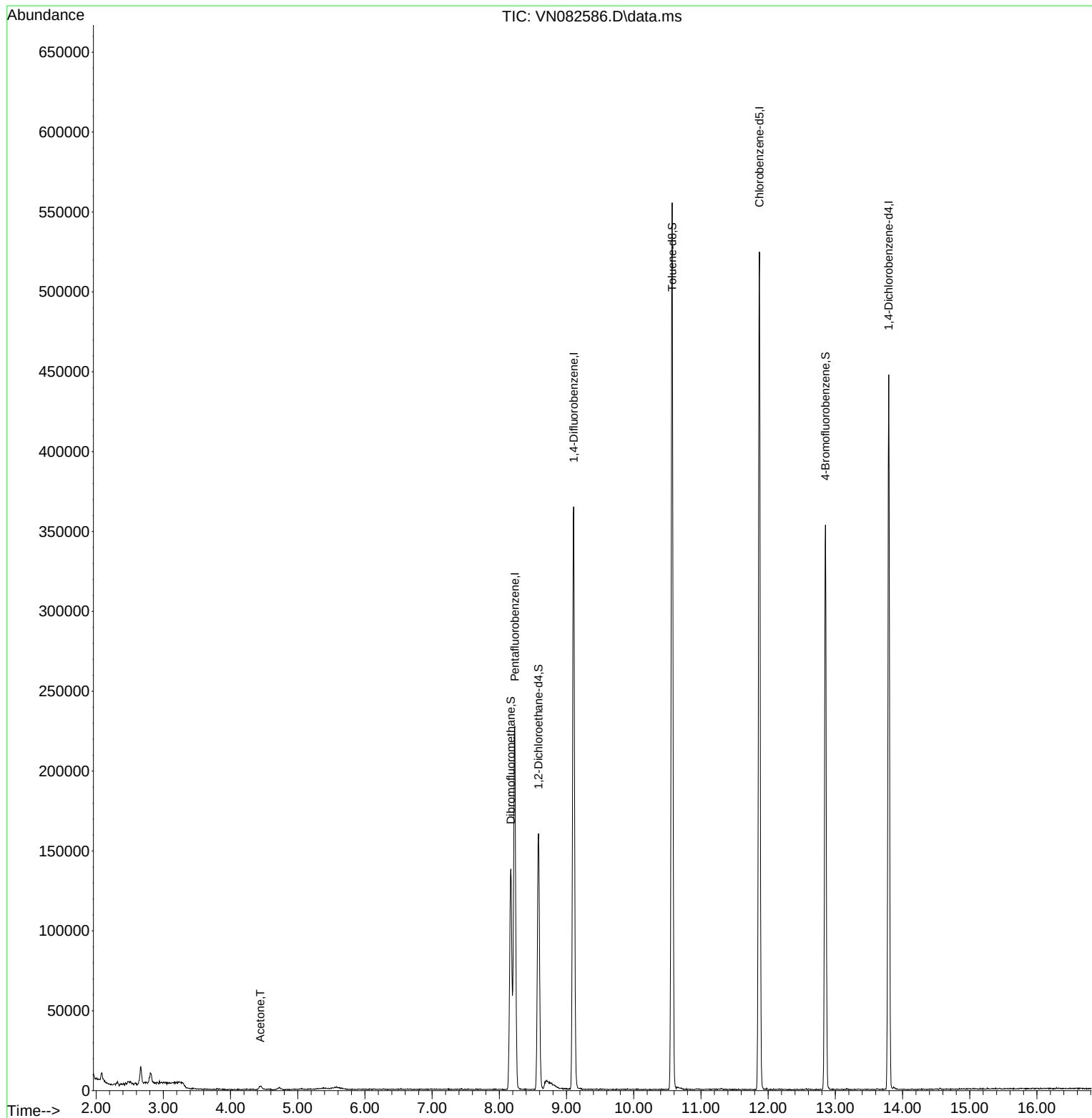
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|------------|-----------|
| -----                       |        |       |          |          |            |           |
| Internal Standards          |        |       |          |          |            |           |
| 1) Pentafluorobenzene       | 8.230  | 168   | 155932   | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 287614   | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 279055   | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 111381   | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |        |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 133678   | 54.292   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 108.580% |           |
| 35) Dibromofluoromethane    | 8.171  | 113   | 96142    | 54.340   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 108.680% |           |
| 50) Toluene-d8              | 10.571 | 98    | 349162   | 51.474   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 102.940% |           |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 111419   | 46.020   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | = 92.040%  |           |
| Target Compounds            |        |       |          |          |            |           |
| 16) Acetone                 | 4.442  | 43    | 4101     | 4.060    | ug/l       | Qvalue 90 |
| -----                       |        |       |          |          |            |           |

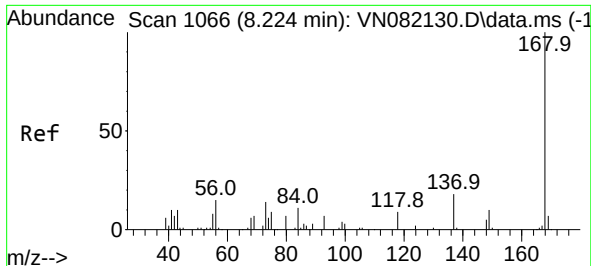
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061424\  
Data File : VN082586.D  
Acq On : 14 Jun 2024 16:27  
Operator : JC\MD  
Sample : P2891-08  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-460-462

Quant Time: Jun 14 23:47:52 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

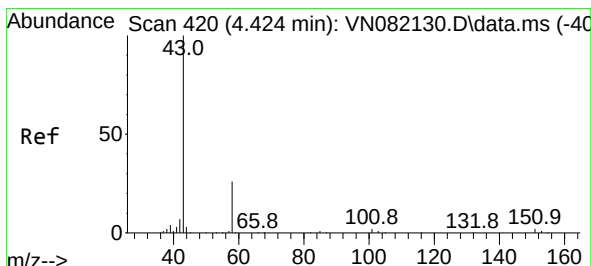
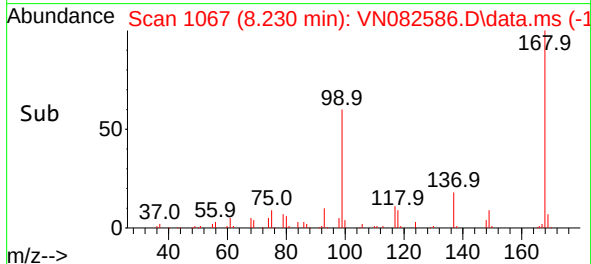
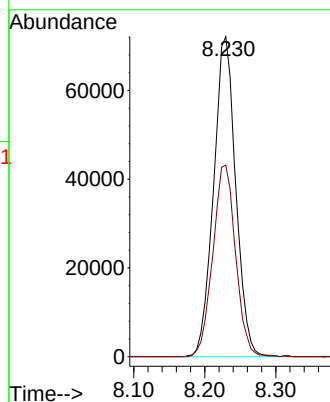
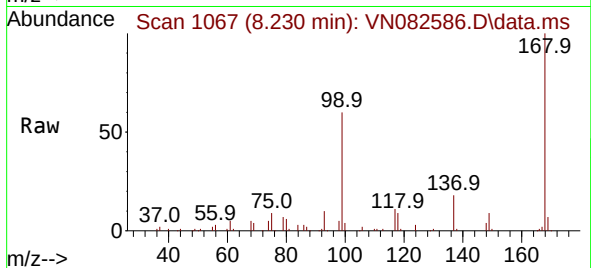




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN082586.D  
Acq: 14 Jun 2024 16:27

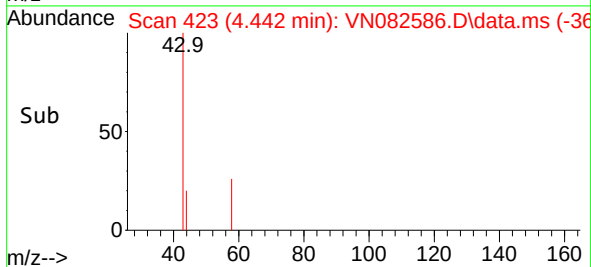
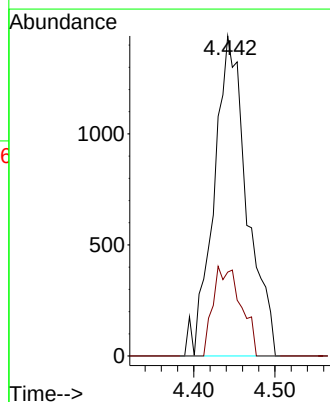
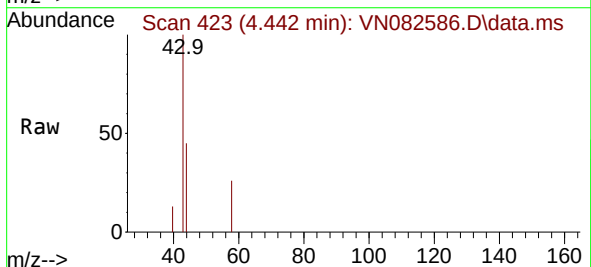
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-460-462

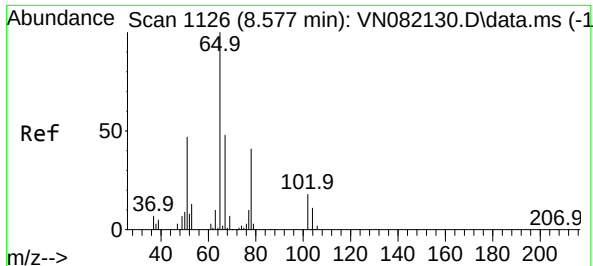
Tgt Ion:168 Resp: 155932  
Ion Ratio Lower Upper  
168 100  
99 59.9 48.2 72.4



#16  
Acetone  
Concen: 4.060 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. 0.018 min  
Lab File: VN082586.D  
Acq: 14 Jun 2024 16:27

Tgt Ion: 43 Resp: 4101  
Ion Ratio Lower Upper  
43 100  
58 26.2 25.2 37.8





#33

1,2-Dichloroethane-d4

Concen: 54.292 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082586.D

Acq: 14 Jun 2024 16:27

Instrument :

MSVOA\_N

ClientSampleId :

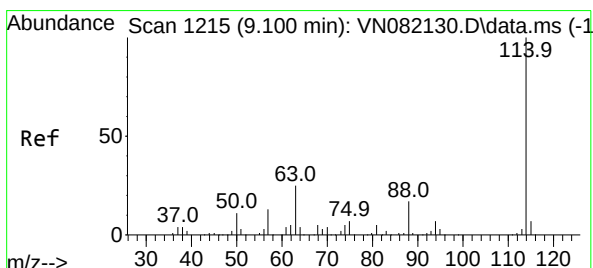
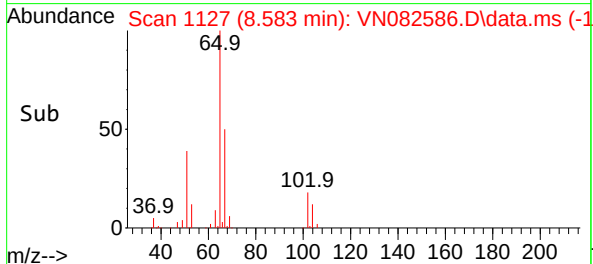
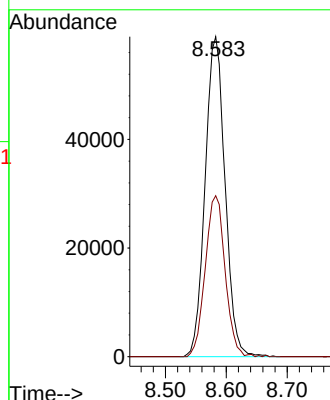
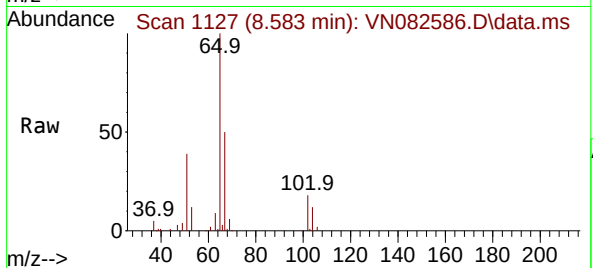
BP-VPB-196-GW-460-462

Tgt Ion: 65 Resp: 133678

Ion Ratio Lower Upper

65 100

67 50.3 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: VN082586.D

Acq: 14 Jun 2024 16:27

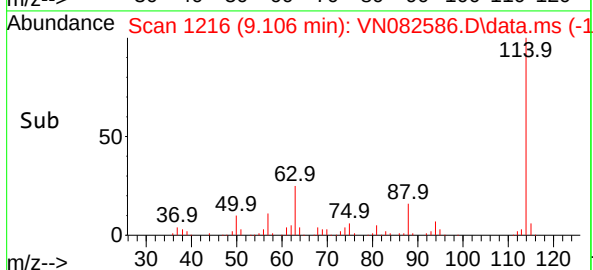
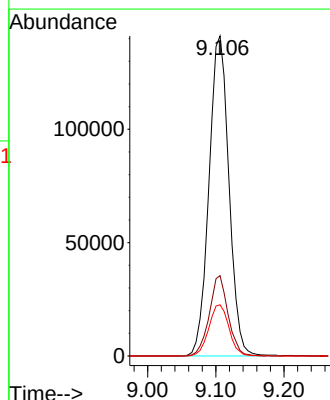
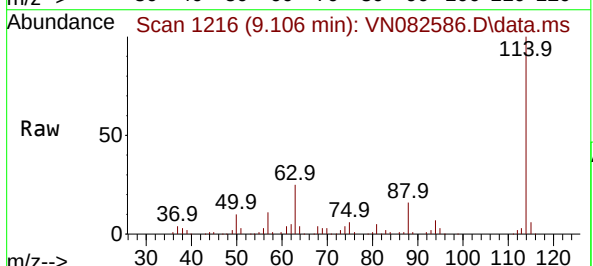
Tgt Ion: 114 Resp: 287614

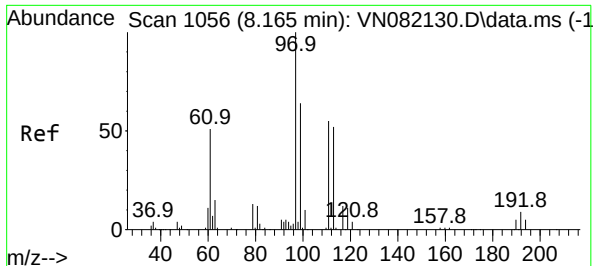
Ion Ratio Lower Upper

114 100

63 25.1 0.0 41.0

88 16.0 0.0 31.4

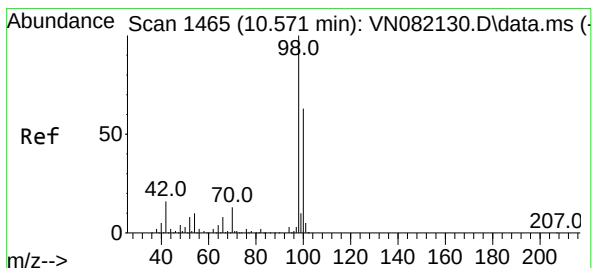
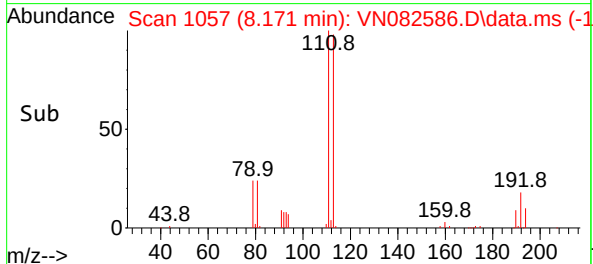
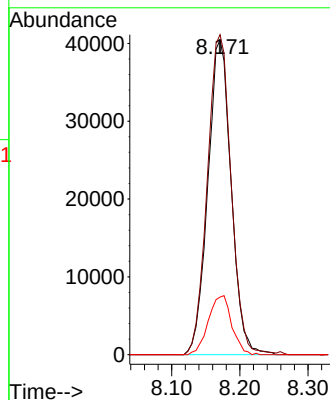
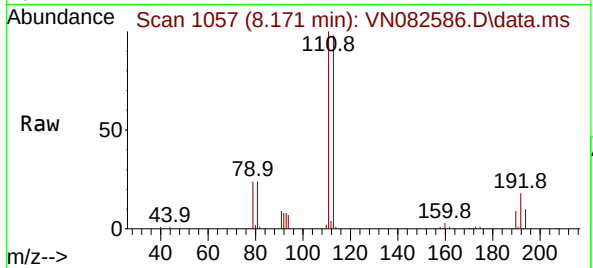




#35  
Dibromofluoromethane  
Concen: 54.340 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN082586.D  
Acq: 14 Jun 2024 16:27

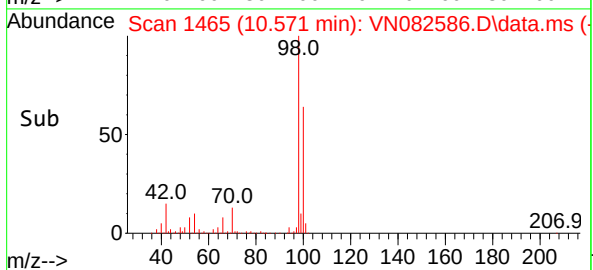
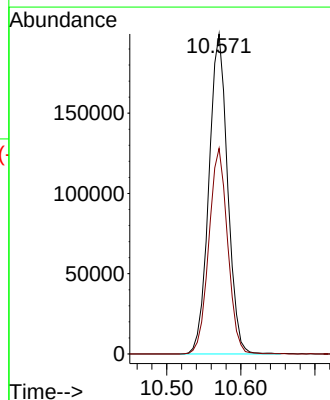
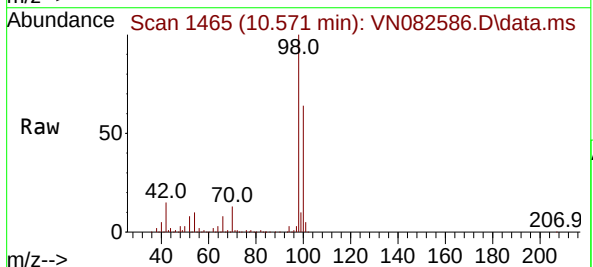
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-460-462

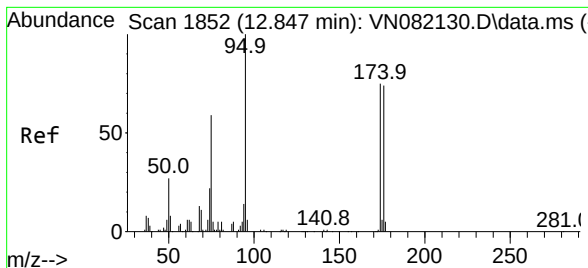
Tgt Ion:113 Resp: 96142  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.4 125.2  
192 18.8 14.0 21.0



#50  
Toluene-d8  
Concen: 51.474 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082586.D  
Acq: 14 Jun 2024 16:27

Tgt Ion: 98 Resp: 349162  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.8 77.6

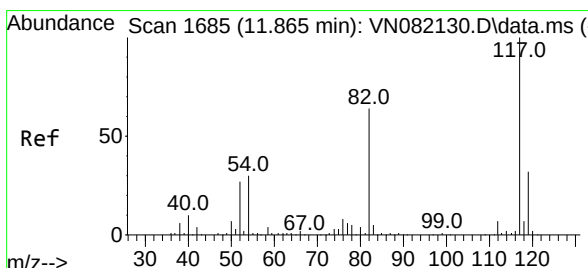
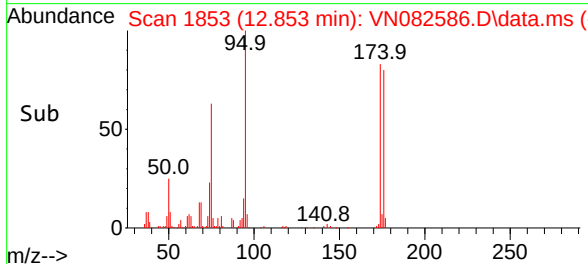
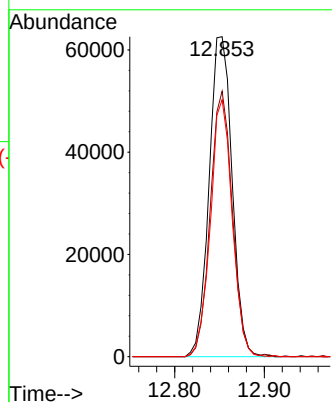
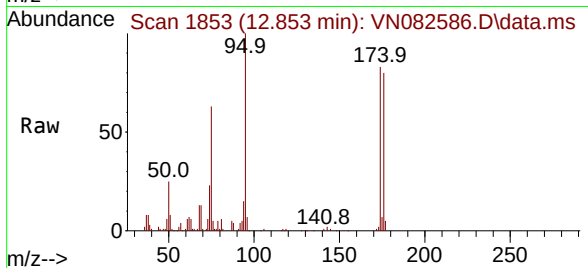




#62  
4-Bromofluorobenzene  
Concen: 46.020 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN082586.D  
Acq: 14 Jun 2024 16:27

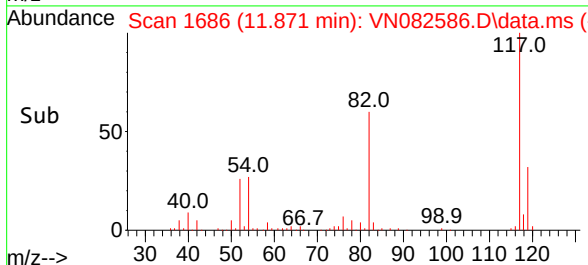
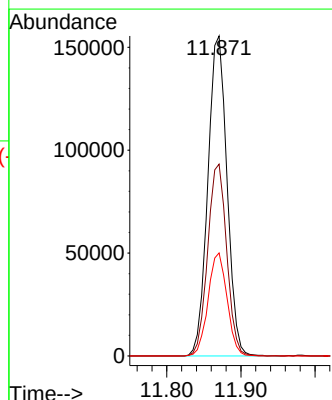
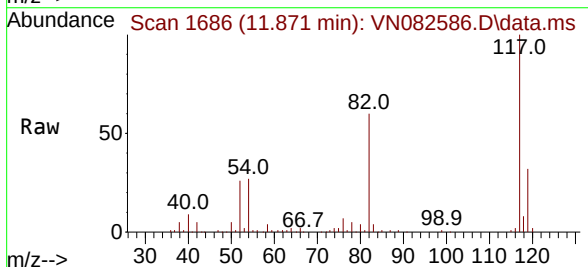
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-460-462

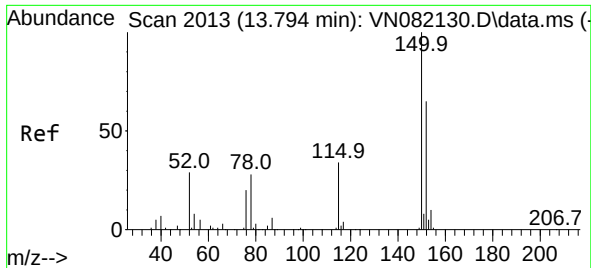
Tgt Ion: 95 Resp: 111419  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 160.6  
176 76.0 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN082586.D  
Acq: 14 Jun 2024 16:27

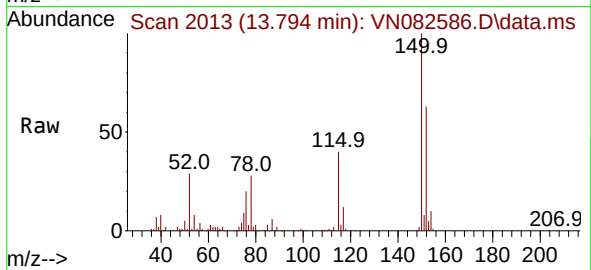
Tgt Ion: 117 Resp: 279055  
Ion Ratio Lower Upper  
117 100  
82 59.9 44.6 66.8  
119 32.2 25.9 38.9





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VN082586.D  
Acq: 14 Jun 2024 16:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-196-GW-460-462



Tgt Ion:152 Resp: 111381  
Ion Ratio Lower Upper  
152 100  
115 60.6 30.4 91.3  
150 157.7 0.0 353.2

