

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101223\  
 Data File : VN079554.D  
 Acq On : 12 Oct 2023 18:47  
 Operator : JC\MD  
 Sample : PB156319ZHE#05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB156319ZHE#05

Quant Time: Oct 13 01:24:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

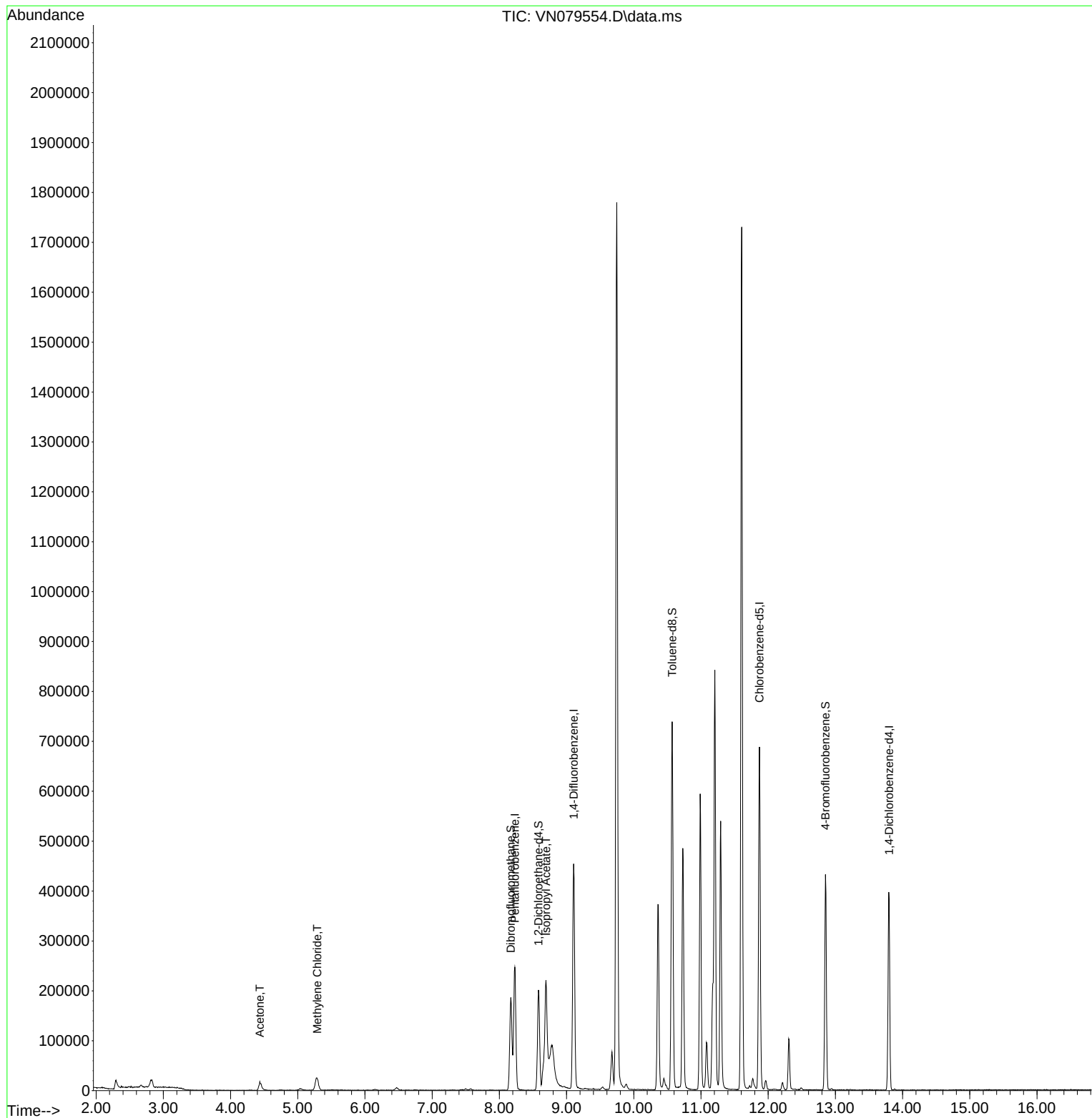
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.229  | 168   | 176900   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 380547   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 383120   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 105209   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 160203   | 55.853   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 111.700% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 131104   | 47.940   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 95.880%  |
| 50) Toluene-d8              | 10.571 | 98    | 500849   | 50.616   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 101.240% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 143995   | 45.345   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 90.680%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.436  | 43    | 30658    | 26.948   | ug/l   | 93       |
| 20) Methylene Chloride      | 5.289  | 84    | 19613    | 7.359    | ug/l # | 77       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 301446   | 42.130   | ug/l # | 69       |
| -----                       |        |       |          |          |        |          |

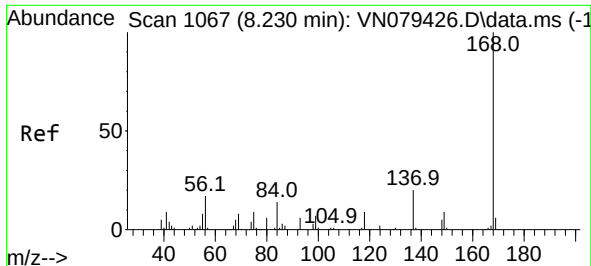
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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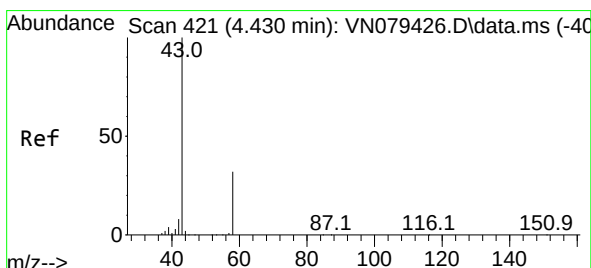
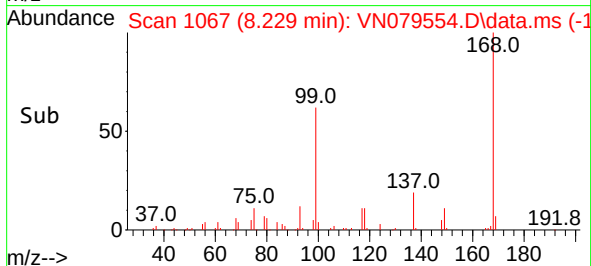
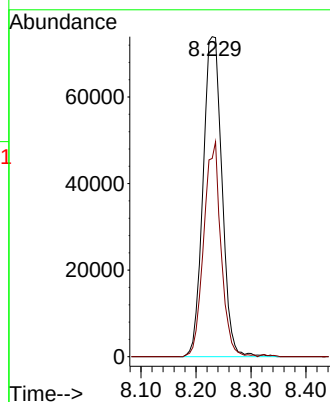
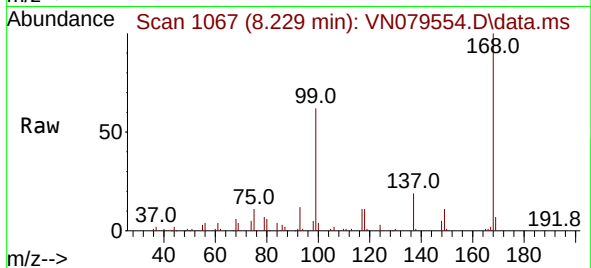




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN079554.D  
Acq: 12 Oct 2023 18:47

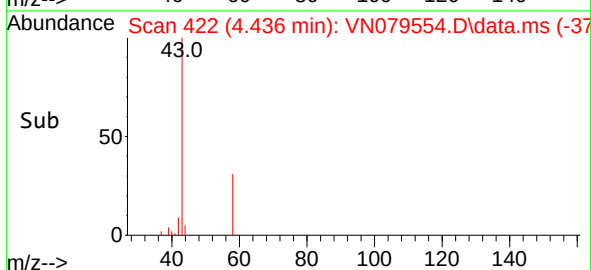
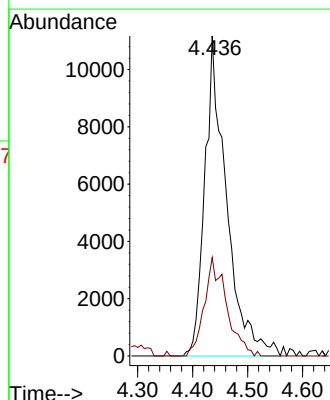
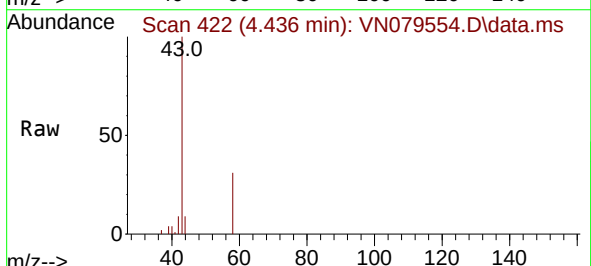
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB156319ZHE#05

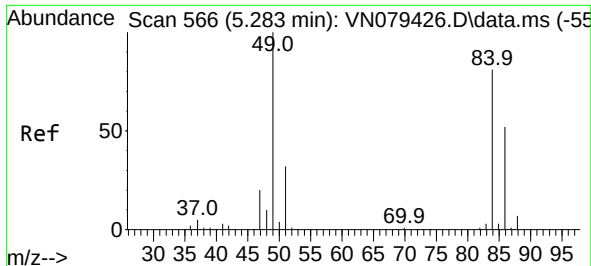
Tgt Ion:168 Resp: 176900  
Ion Ratio Lower Upper  
168 100  
99 61.9 53.0 79.6



#16  
Acetone  
Concen: 26.948 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN079554.D  
Acq: 12 Oct 2023 18:47

Tgt Ion: 43 Resp: 30658  
Ion Ratio Lower Upper  
43 100  
58 30.8 28.0 42.0

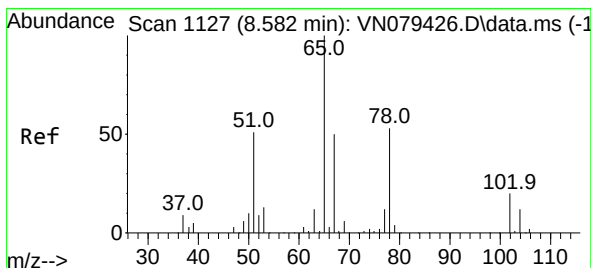
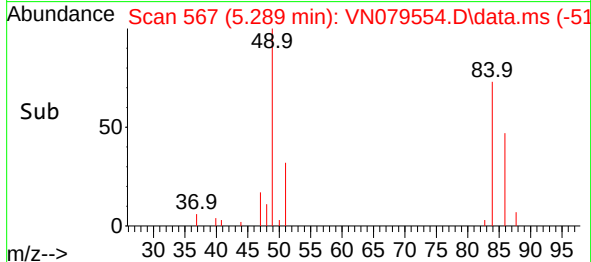
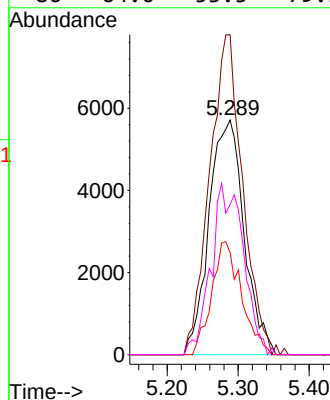
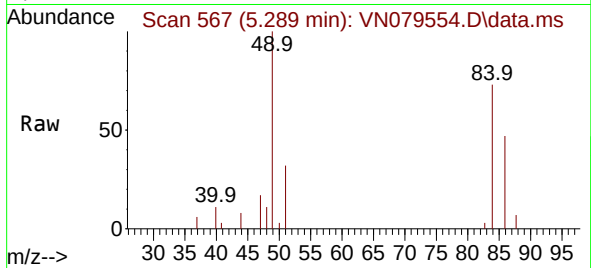




#20  
Methylene Chloride  
Concen: 7.359 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN079554.D  
Acq: 12 Oct 2023 18:47

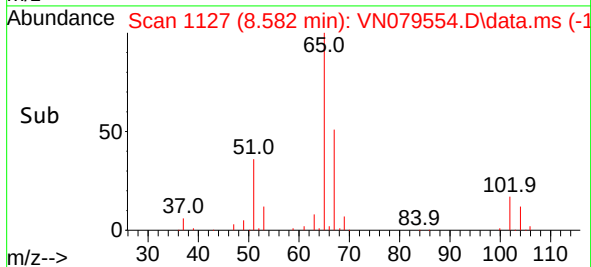
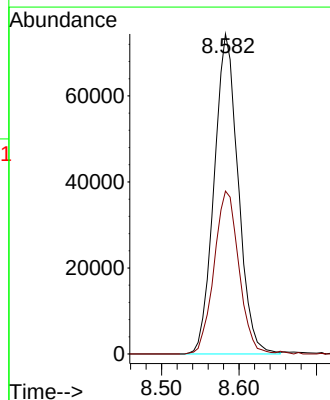
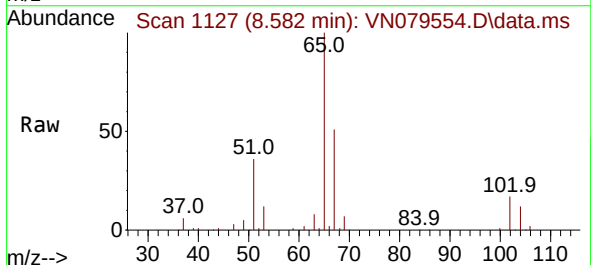
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB156319ZHE#05

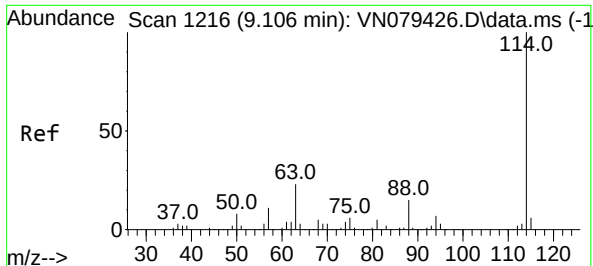
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 19613  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 136.4 | 79.7  | 119.5# |
| 51       | 43.5  | 25.2  | 37.8#  |
| 86       | 64.0  | 53.3  | 79.9   |



#33  
1,2-Dichloroethane-d4  
Concen: 55.853 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN079554.D  
Acq: 12 Oct 2023 18:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 160203 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.6  | 0.0   | 106.6  |

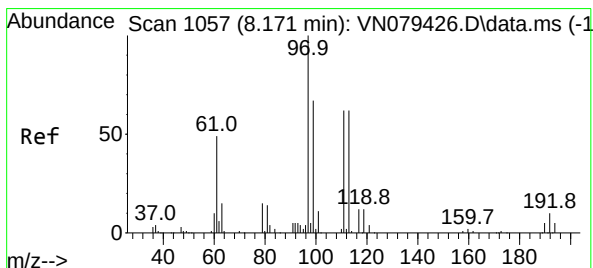
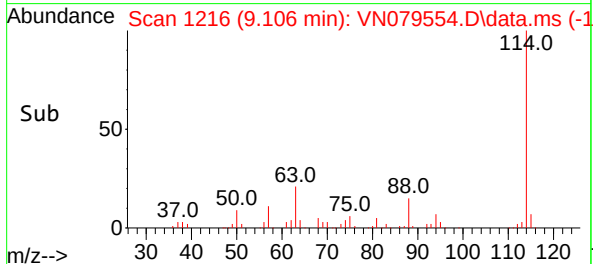
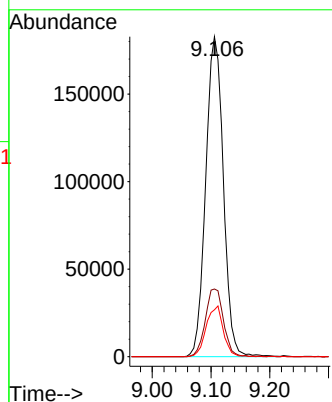
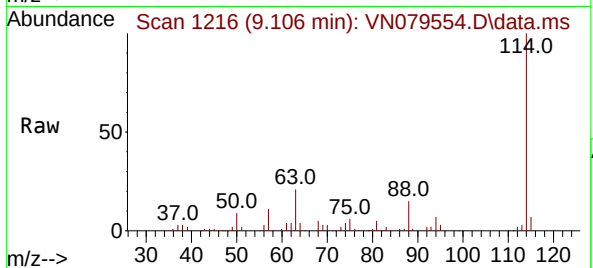




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079554.D  
Acq: 12 Oct 2023 18:47

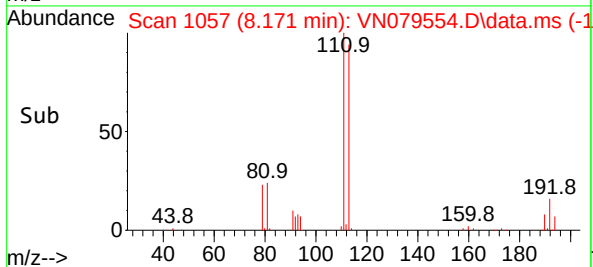
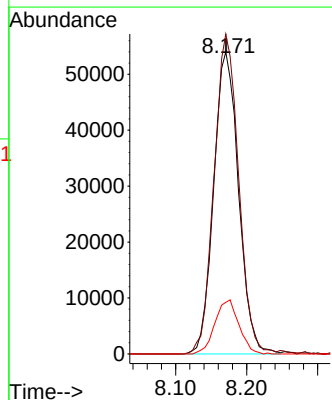
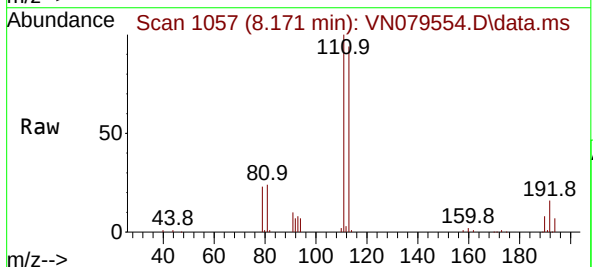
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB156319ZHE#05

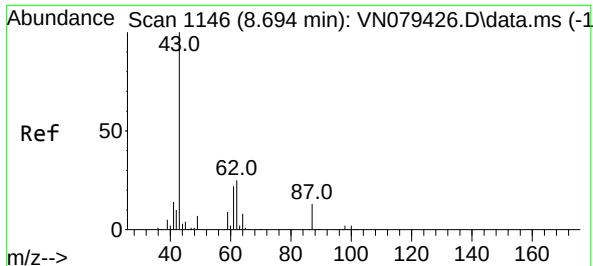
Tgt Ion:114 Resp: 380547  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 36.4  
88 14.7 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 47.940 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN079554.D  
Acq: 12 Oct 2023 18:47

Tgt Ion:113 Resp: 131104  
Ion Ratio Lower Upper  
113 100  
111 104.6 82.6 123.8  
192 17.3 12.7 19.1





#43

Isopropyl Acetate

Concen: 42.130 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

Instrument :

MSVOA\_N

ClientSampleId :

PB156319ZHE#05

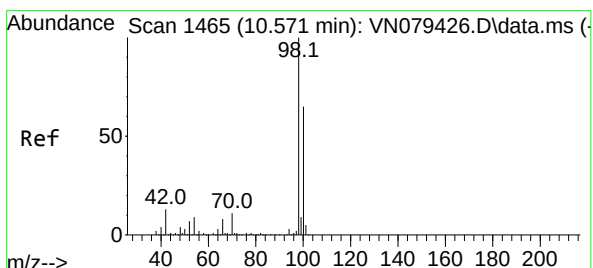
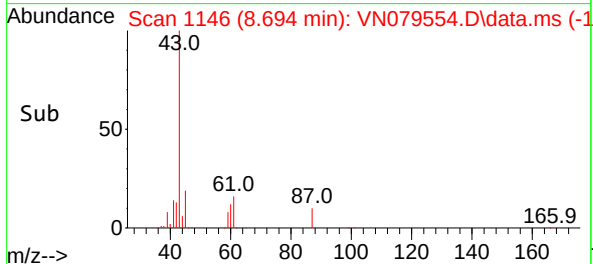
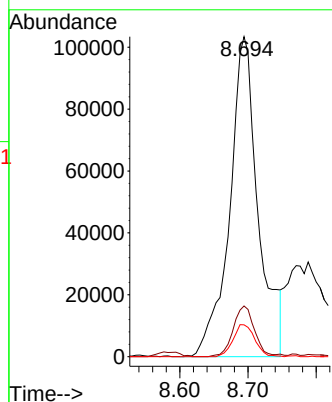
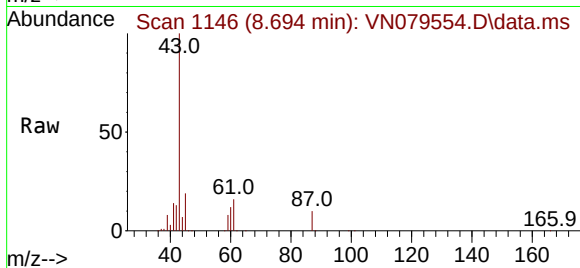
Tgt Ion: 43 Resp: 301446

Ion Ratio Lower Upper

43 100

61 12.0 24.7 37.1#

87 7.6 14.6 21.8#



#50

Toluene-d8

Concen: 50.616 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079554.D

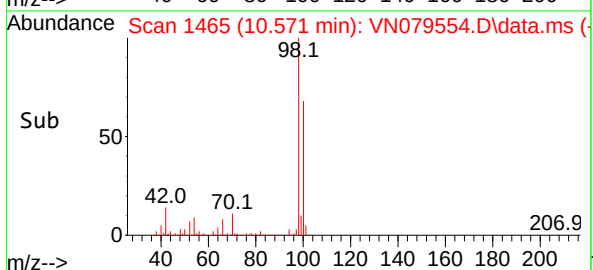
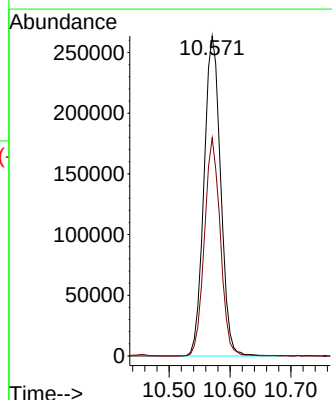
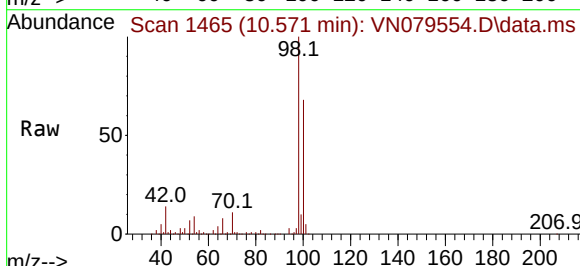
Acq: 12 Oct 2023 18:47

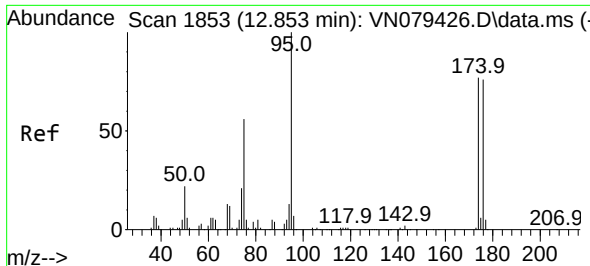
Tgt Ion: 98 Resp: 500849

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

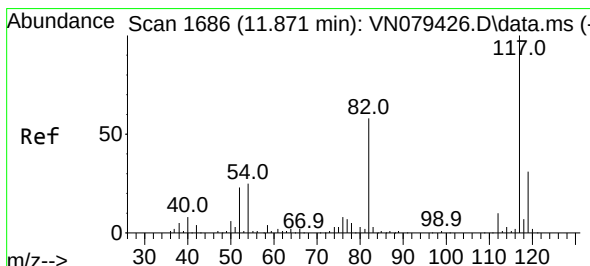
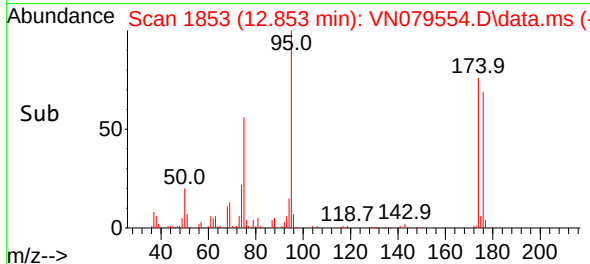
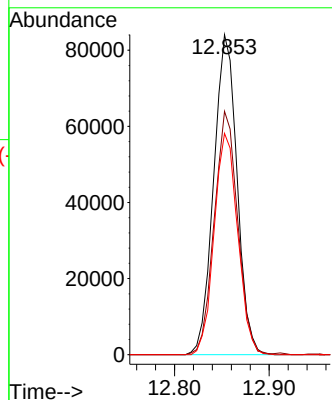
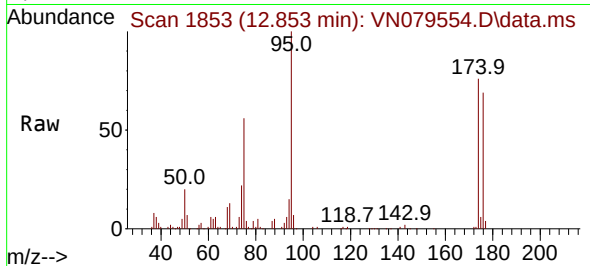




#62  
4-Bromofluorobenzene  
Concen: 45.345 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079554.D  
Acq: 12 Oct 2023 18:47

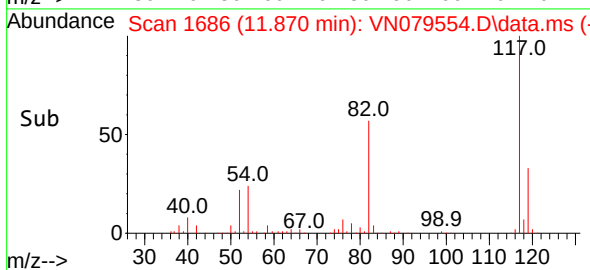
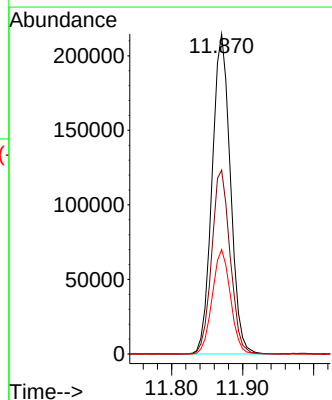
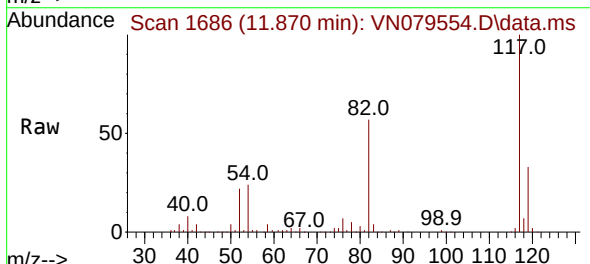
Instrument :  
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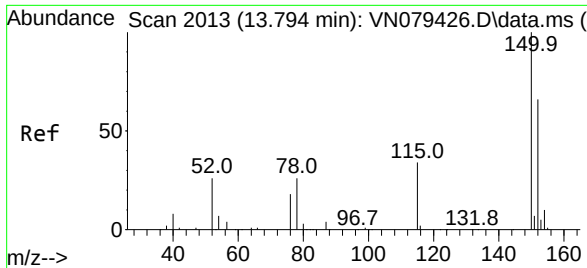
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 143995 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 76.4  | 0.0   | 143.8  |
| 176      | 69.8  | 0.0   | 135.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079554.D  
Acq: 12 Oct 2023 18:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 383120 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.5  | 44.0  | 66.0   |
| 119      | 32.6  | 25.6  | 38.4   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN079554.D

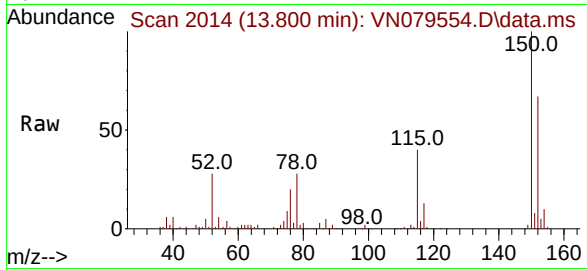
Acq: 12 Oct 2023 18:47

Instrument :

MSVOA\_N

ClientSampleId :

PB156319ZHE#05



Tgt Ion:152 Resp: 105209

Ion Ratio Lower Upper

152 100

115 61.2 32.3 96.8

150 153.5 0.0 355.8

