

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071823\  
 Data File : VN078559.D  
 Acq On : 18 Jul 2023 14:25  
 Operator : JC\MD  
 Sample : PB154251ZHE#04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB154251ZHE#04

Quant Time: Jul 19 01:50:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

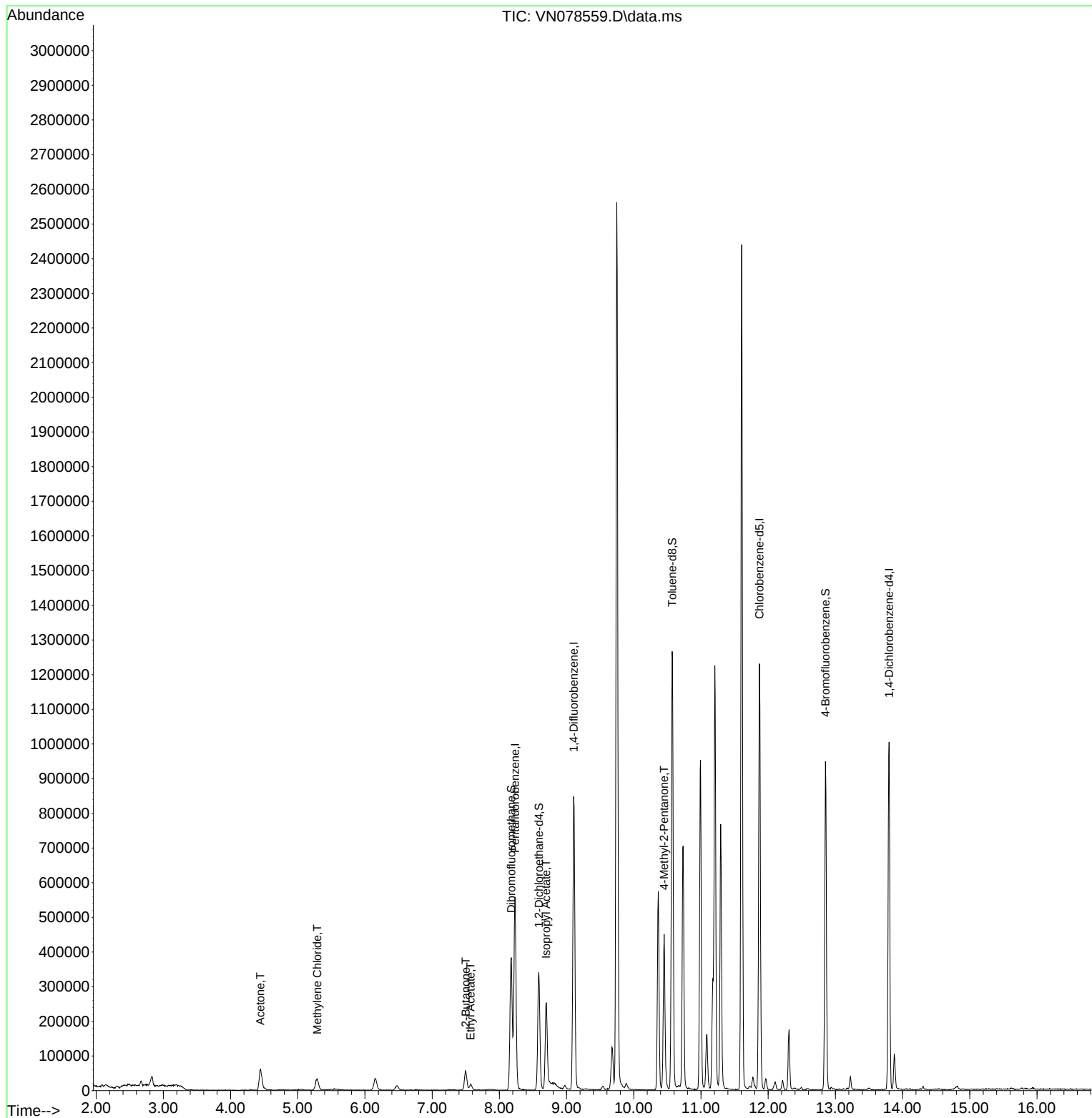
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.236  | 168            | 408037   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114            | 748819   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117            | 738854   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152            | 287021   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65             | 274074   | 50.103     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 100.200% |        |          |
| 35) Dibromofluoromethane    | 8.177  | 113            | 277529   | 54.597     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 109.200% |        |          |
| 50) Toluene-d8              | 10.571 | 98             | 923587   | 48.096     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 96.200%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95             | 319291   | 53.981     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | = 107.960% |        |          |
| Target Compounds            |        |                |          |            |        |          |
|                             |        |                |          |            | Qvalue |          |
| 16) Acetone                 | 4.442  | 43             | 115077   | 67.535     | ug/l   | 91       |
| 20) Methylene Chloride      | 5.289  | 84             | 27298    | 4.472      | ug/l   | 93       |
| 25) 2-Butanone              | 7.500  | 43             | 83050    | 30.963     | ug/l # | 85       |
| 37) Ethyl Acetate           | 7.571  | 43             | 22820    | 3.730      | ug/l   | 99       |
| 43) Isopropyl Acetate       | 8.694  | 43             | 294456   | 29.231     | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone    | 10.453 | 43             | 294262   | 49.111     | ug/l   | 91       |
| -----                       |        |                |          |            |        |          |

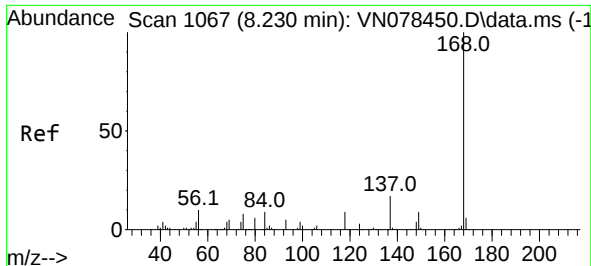
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 01:50:00 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

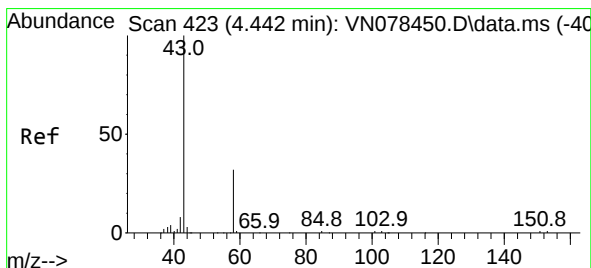
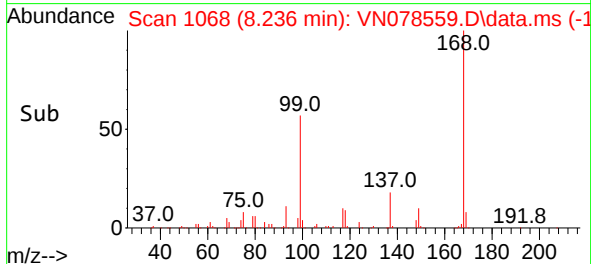
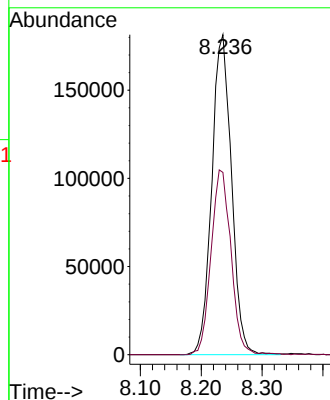
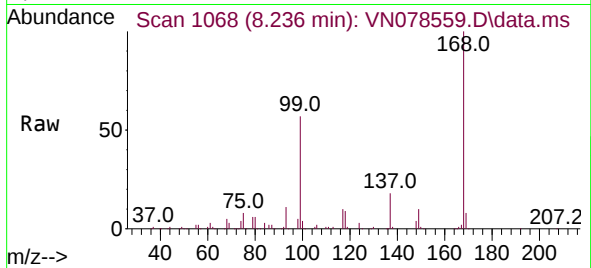




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. 0.006 min  
Lab File: VN078559.D  
Acq: 18 Jul 2023 14:25

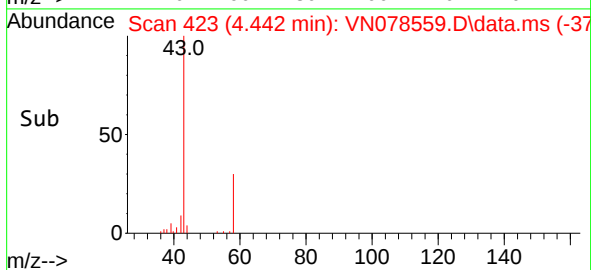
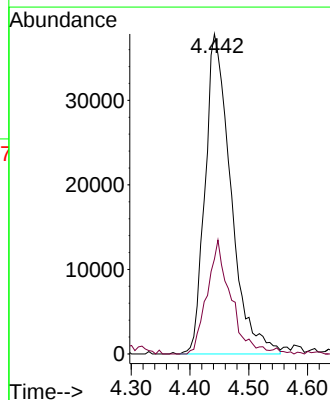
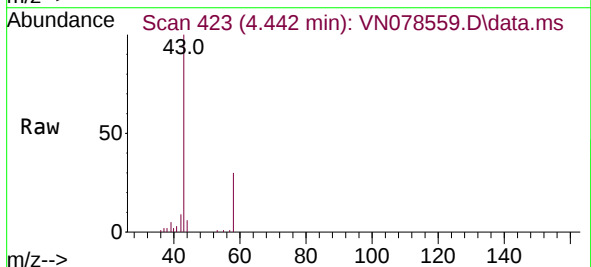
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154251ZHE#04

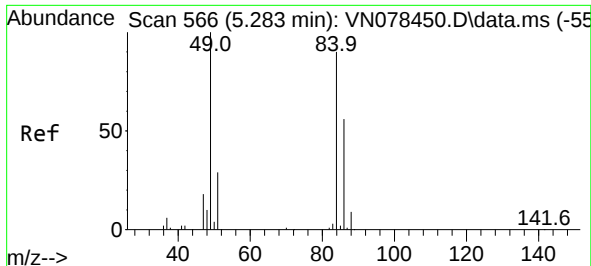
Tgt Ion:168 Resp: 408037  
Ion Ratio Lower Upper  
168 100  
99 57.0 53.0 79.6



#16  
Acetone  
Concen: 67.535 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VN078559.D  
Acq: 18 Jul 2023 14:25

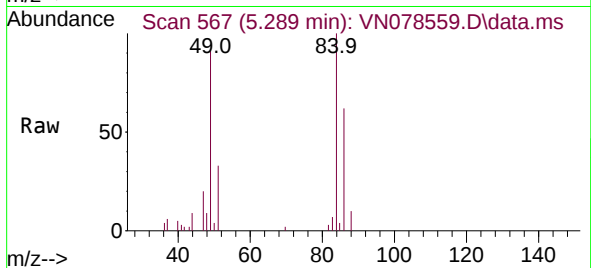
Tgt Ion: 43 Resp: 115077  
Ion Ratio Lower Upper  
43 100  
58 29.6 28.0 42.0



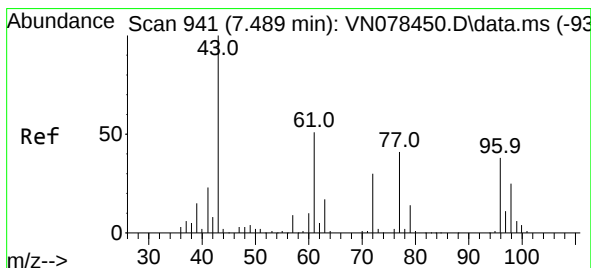
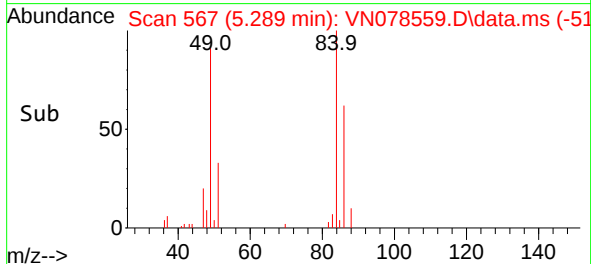
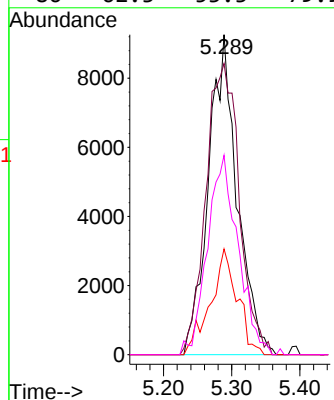


#20  
Methylene Chloride  
Concen: 4.472 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN078559.D  
Acq: 18 Jul 2023 14:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154251ZHE#04

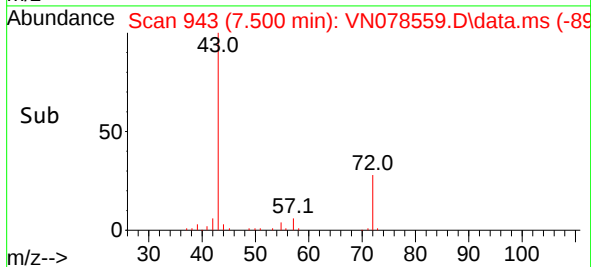
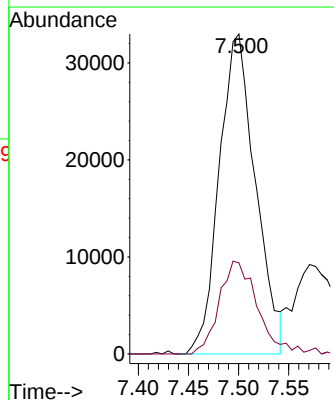
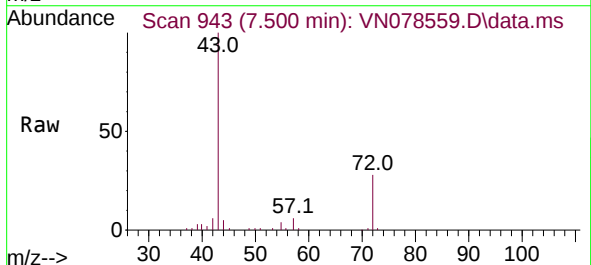


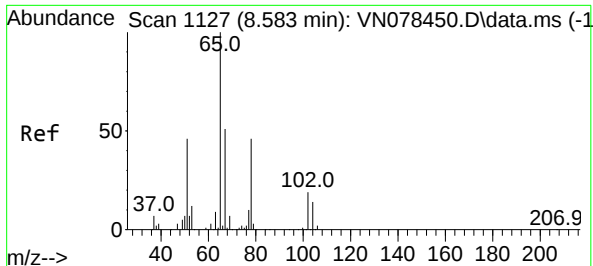
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 27298 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 91.0  | 79.7  | 119.5 |
| 51       | 33.1  | 25.2  | 37.8  |
| 86       | 62.3  | 53.3  | 79.9  |



#25  
2-Butanone  
Concen: 30.963 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.011 min  
Lab File: VN078559.D  
Acq: 18 Jul 2023 14:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 83050 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 28.5  | 30.2  | 45.2# |





#33

1,2-Dichloroethane-d4

Concen: 50.103 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078559.D

Acq: 18 Jul 2023 14:25

Instrument :

MSVOA\_N

ClientSampleId :

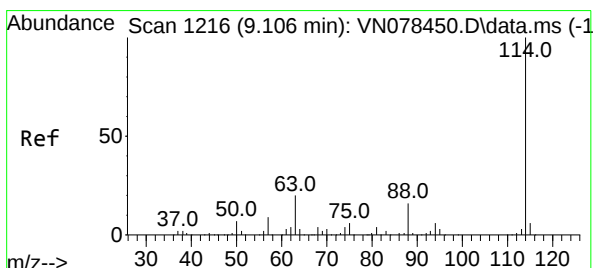
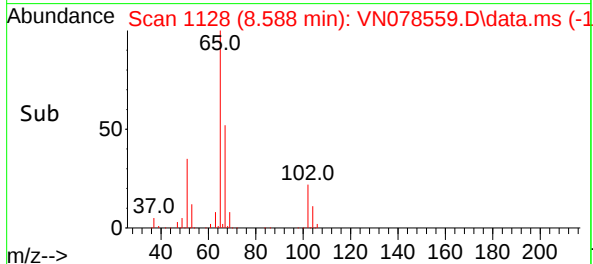
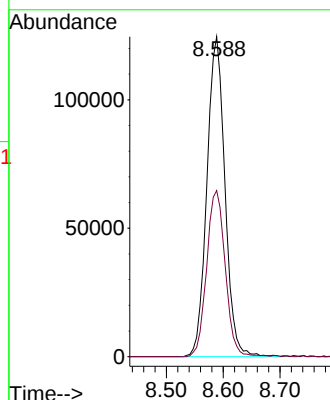
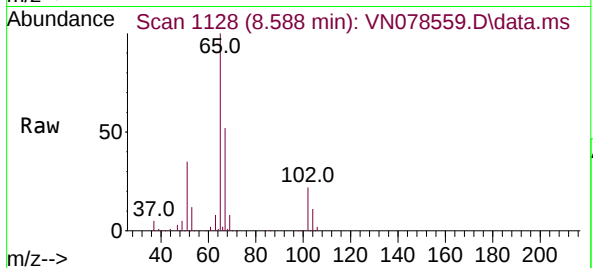
PB154251ZHE#04

Tgt Ion: 65 Resp: 274074

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078559.D

Acq: 18 Jul 2023 14:25

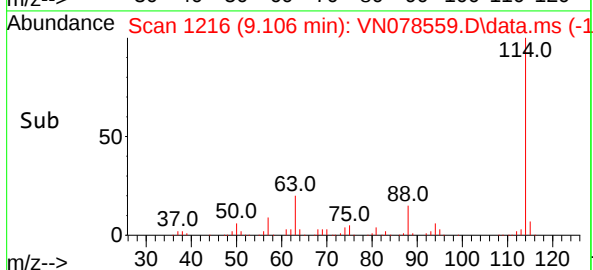
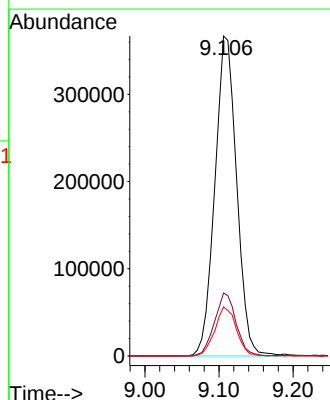
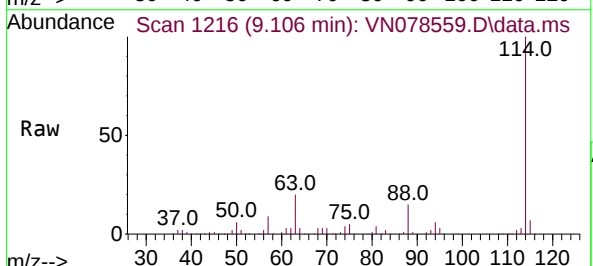
Tgt Ion: 114 Resp: 748819

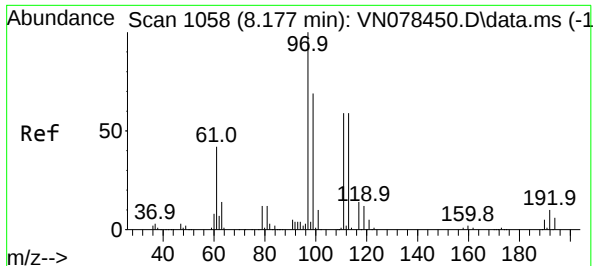
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.597 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078559.D

Acq: 18 Jul 2023 14:25

Instrument :

MSVOA\_N

ClientSampleId :

PB154251ZHE#04

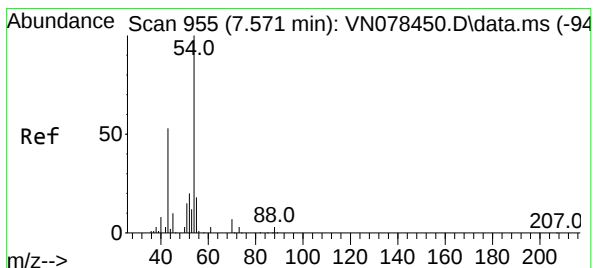
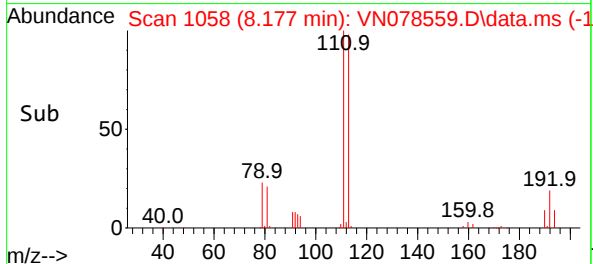
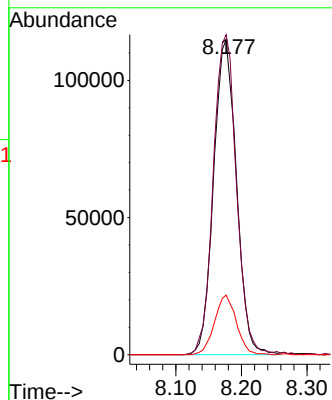
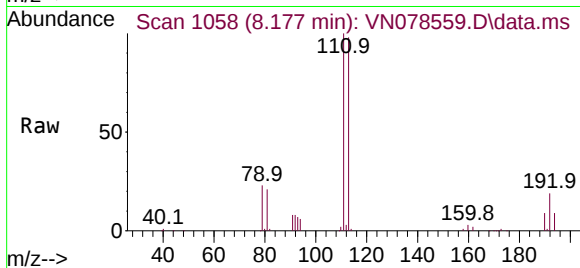
Tgt Ion:113 Resp: 277529

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 18.1 12.7 19.1



#37

Ethyl Acetate

Concen: 3.730 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.000 min

Lab File: VN078559.D

Acq: 18 Jul 2023 14:25

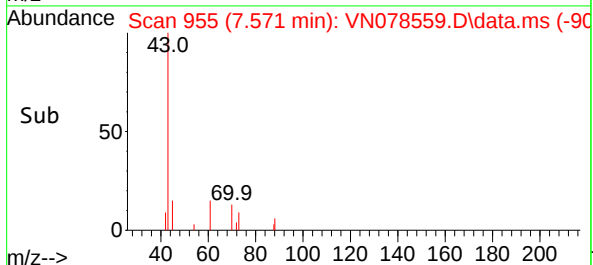
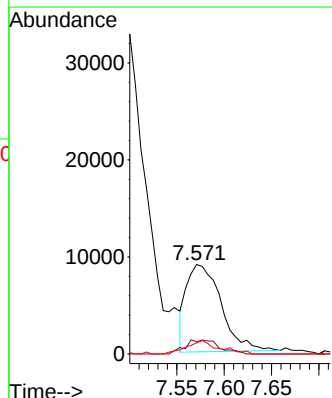
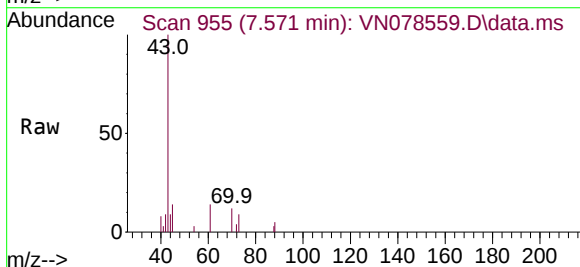
Tgt Ion: 43 Resp: 22820

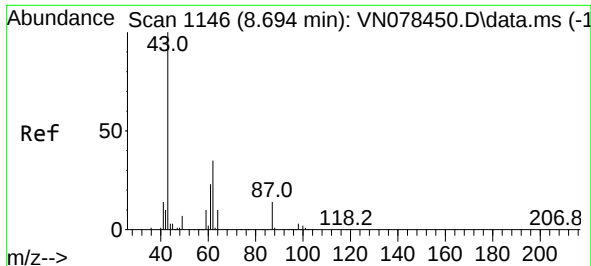
Ion Ratio Lower Upper

43 100

61 15.9 13.2 19.8

70 14.0 11.3 16.9





#43

Isopropyl Acetate

Concen: 29.231 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078559.D

Acq: 18 Jul 2023 14:25

Instrument :

MSVOA\_N

ClientSampleId :

PB154251ZHE#04

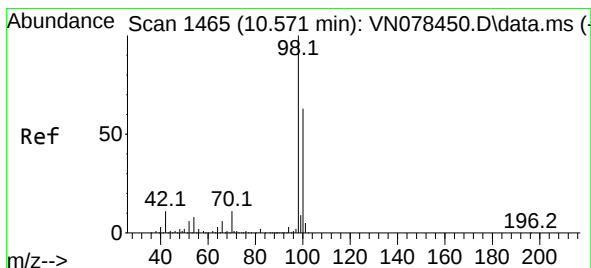
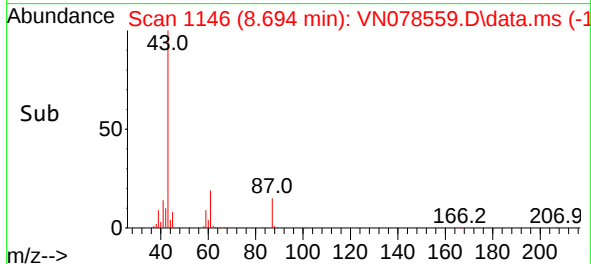
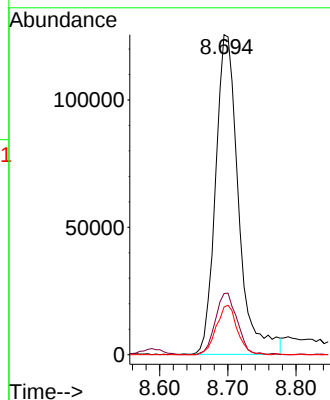
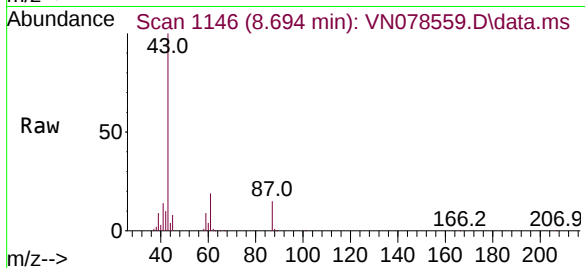
Tgt Ion: 43 Resp: 294456

Ion Ratio Lower Upper

43 100

61 18.2 24.7 37.1#

87 14.1 14.6 21.8#



#50

Toluene-d8

Concen: 48.096 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078559.D

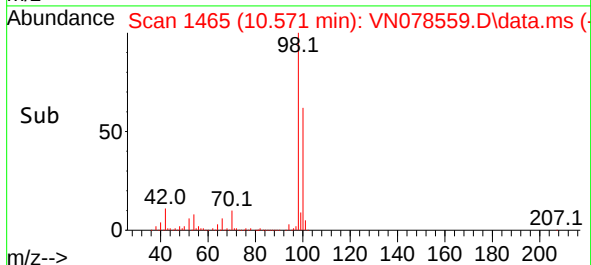
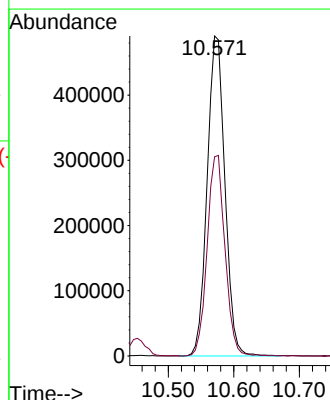
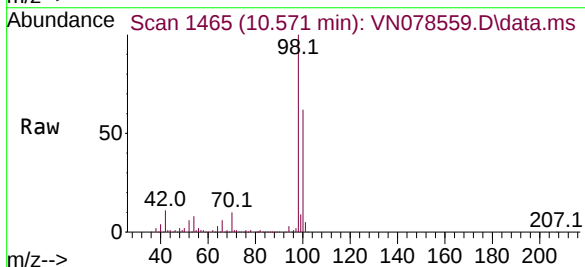
Acq: 18 Jul 2023 14:25

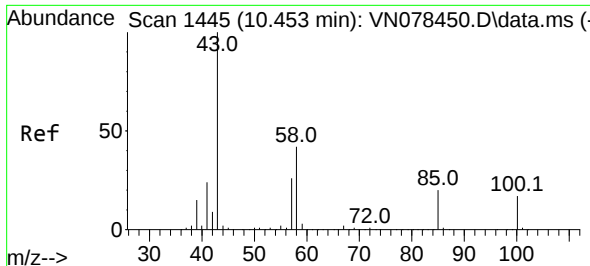
Tgt Ion: 98 Resp: 923587

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0

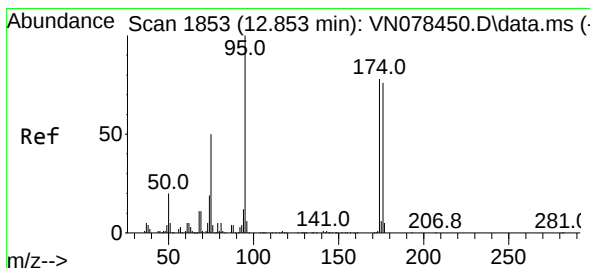
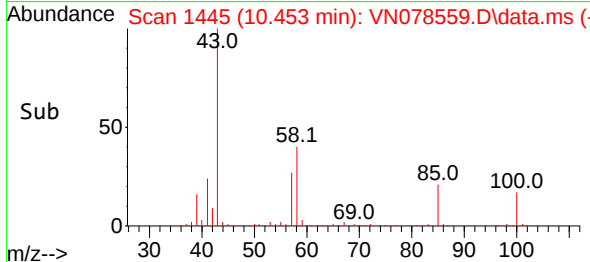
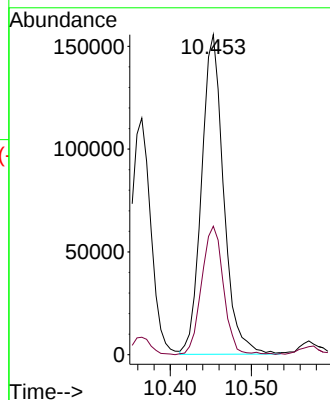
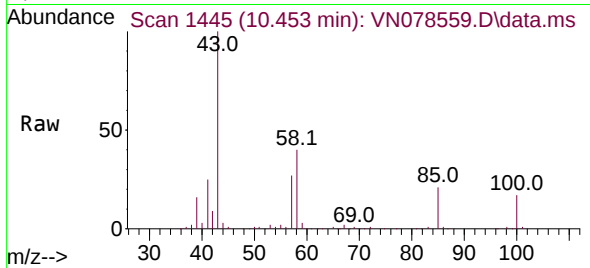




#51  
4-Methyl-2-Pentanone  
Concen: 49.111 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078559.D  
Acq: 18 Jul 2023 14:25

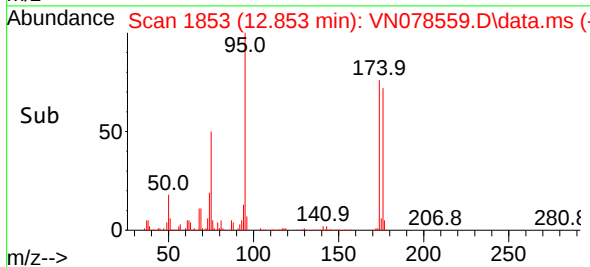
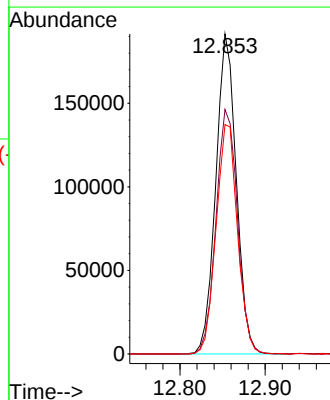
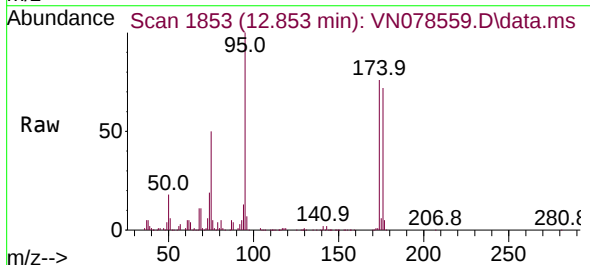
Instrument :  
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PB154251ZHE#04

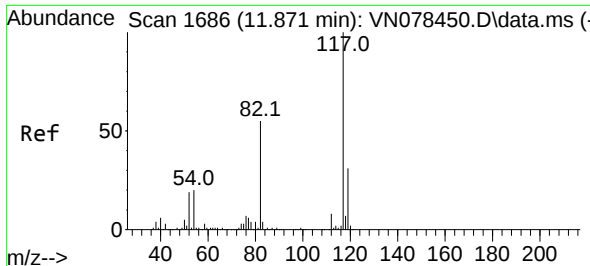
Tgt Ion: 43 Resp: 294262  
Ion Ratio Lower Upper  
43 100  
58 39.8 36.6 54.8



#62  
4-Bromofluorobenzene  
Concen: 53.981 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078559.D  
Acq: 18 Jul 2023 14:25

Tgt Ion: 95 Resp: 319291  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 143.8  
176 74.9 0.0 135.8

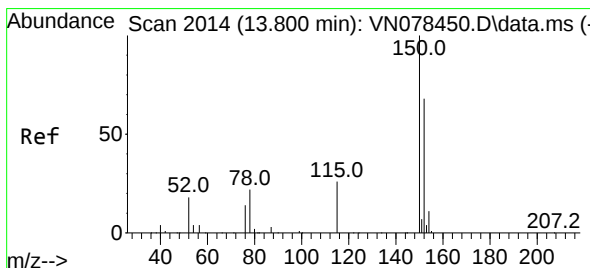
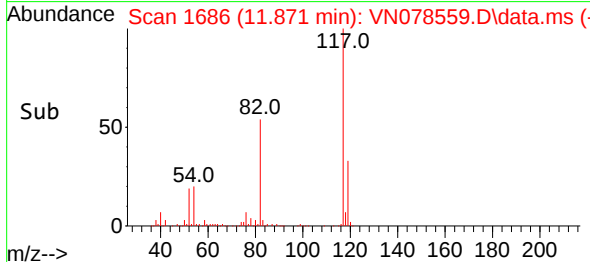
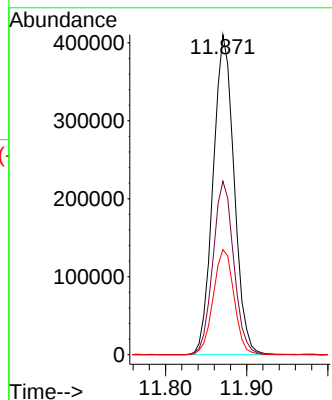
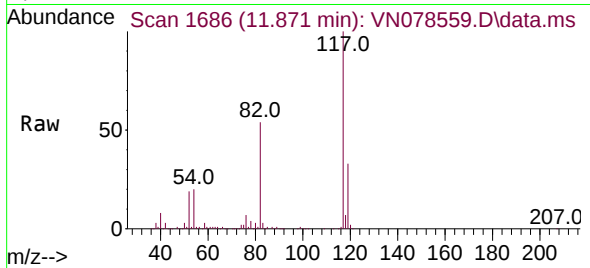




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN078559.D  
Acq: 18 Jul 2023 14:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154251ZHE#04

Tgt Ion:117 Resp: 738854  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.0 66.0  
119 32.9 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 1214  
Delta R.T. -0.000 min  
Lab File: VN078559.D  
Acq: 18 Jul 2023 14:25

Tgt Ion:152 Resp: 287021  
Ion Ratio Lower Upper  
152 100  
115 57.5 32.3 96.8  
150 153.6 0.0 355.8

