

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060623\  
 Data File : VN078073.D  
 Acq On : 06 Jun 2023 16:24  
 Operator : JC\MD  
 Sample : 03029-14  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-10

Quant Time: Jun 07 01:22:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

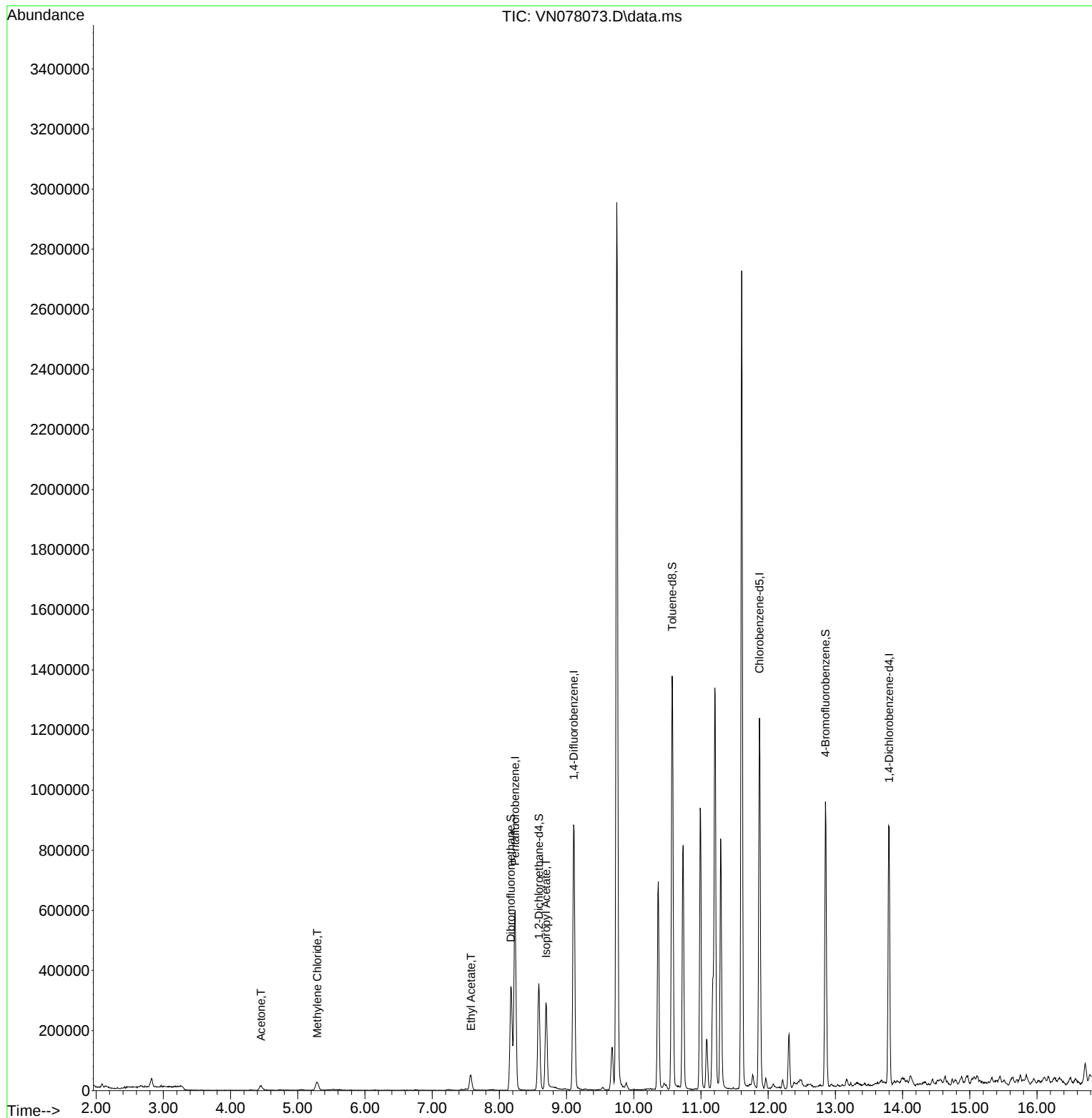
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.235  | 168   | 445080   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 813468   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 742707   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 243497   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 290267   | 43.587   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 87.180%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 251945   | 47.496   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 95.000%  |
| 50) Toluene-d8              | 10.571 | 98    | 1008114  | 49.375   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 98.740%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 336513   | 46.666   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 93.340%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.453  | 43    | 28323    | 13.518   | ug/l   | 97       |
| 20) Methylene Chloride      | 5.289  | 84    | 22274    | 2.195    | ug/l   | 90       |
| 37) Ethyl Acetate           | 7.577  | 43    | 76966    | 11.130   | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 326362   | 28.893   | ug/l # | 86       |
| -----                       |        |       |          |          |        |          |

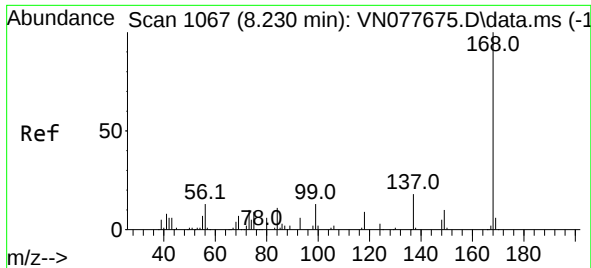
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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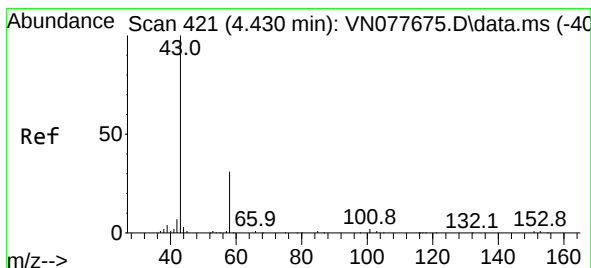
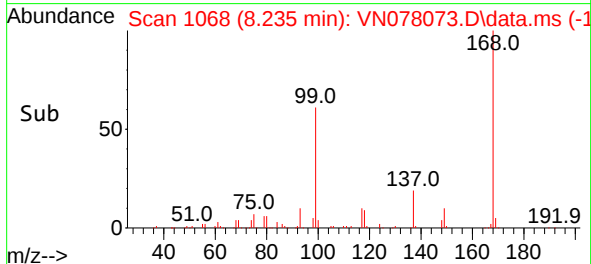
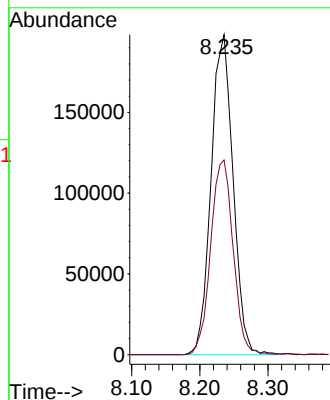
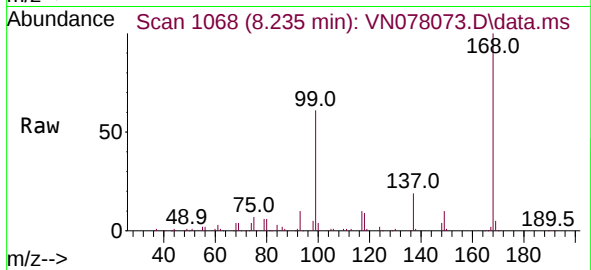




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1067  
Delta R.T. 0.005 min  
Lab File: VN078073.D  
Acq: 06 Jun 2023 16:24

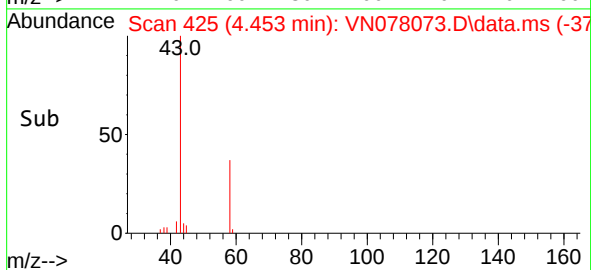
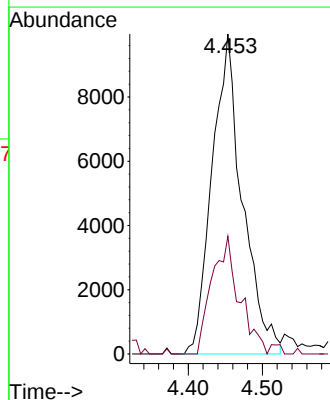
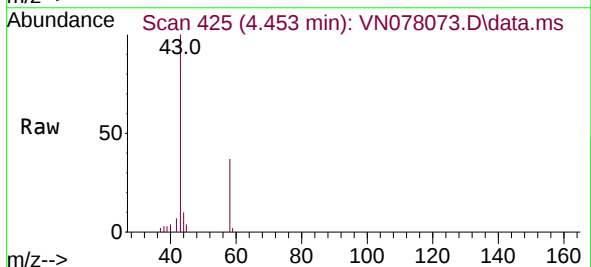
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-10

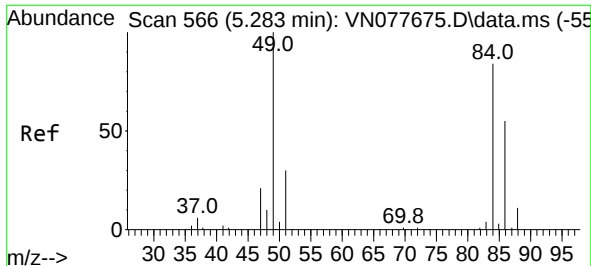
Tgt Ion:168 Resp: 445080  
Ion Ratio Lower Upper  
168 100  
99 60.9 53.0 79.6



#16  
Acetone  
Concen: 13.518 ug/l  
RT: 4.453 min Scan# 425  
Delta R.T. 0.023 min  
Lab File: VN078073.D  
Acq: 06 Jun 2023 16:24

Tgt Ion: 43 Resp: 28323  
Ion Ratio Lower Upper  
43 100  
58 36.8 28.0 42.0

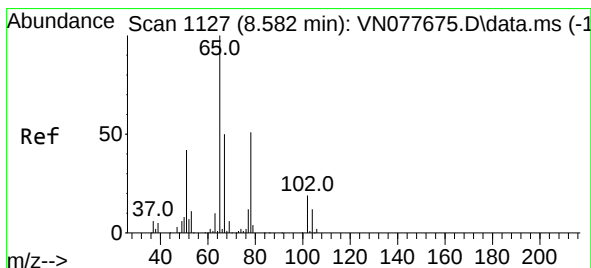
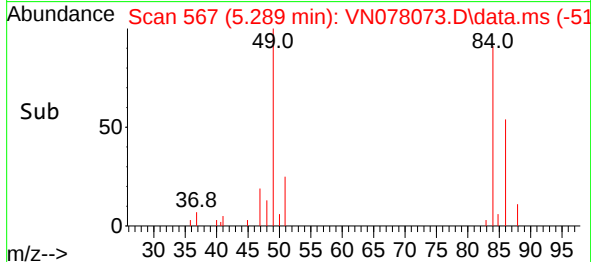
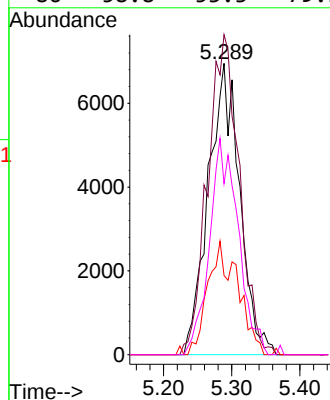
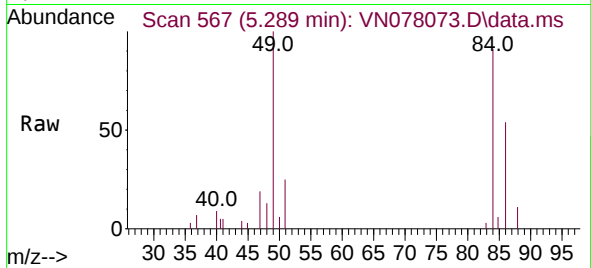




#20  
Methylene Chloride  
Concen: 2.195 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN078073.D  
Acq: 06 Jun 2023 16:24

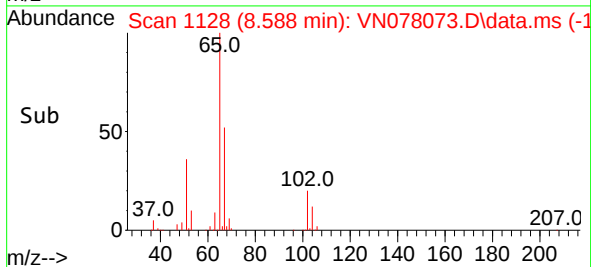
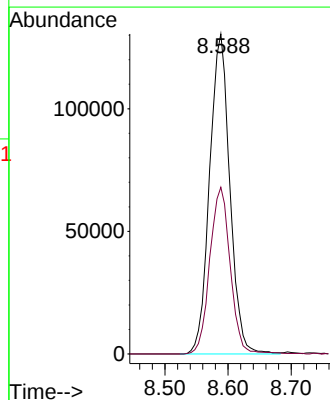
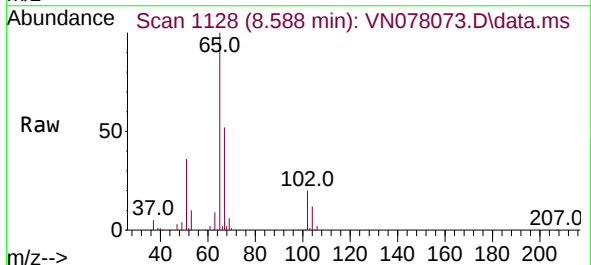
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-10

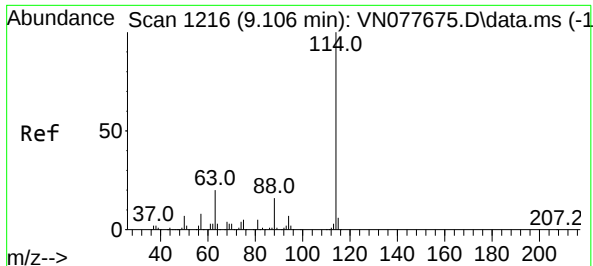
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 22274 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 109.8 | 79.7  | 119.5 |
| 51       | 27.2  | 25.2  | 37.8  |
| 86       | 58.8  | 53.3  | 79.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 43.587 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN078073.D  
Acq: 06 Jun 2023 16:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 290267 |
| 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# 1

Delta R.T. 0.000 min

Lab File: VN078073.D

Acq: 06 Jun 2023 16:24

Instrument :

MSVOA\_N

ClientSampleId :

TP-10

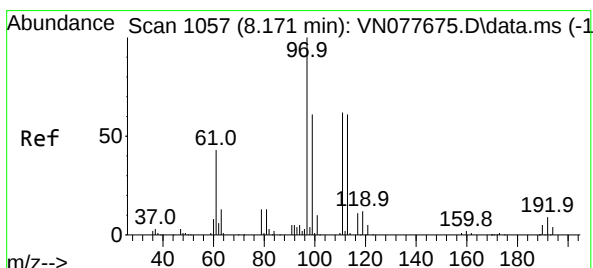
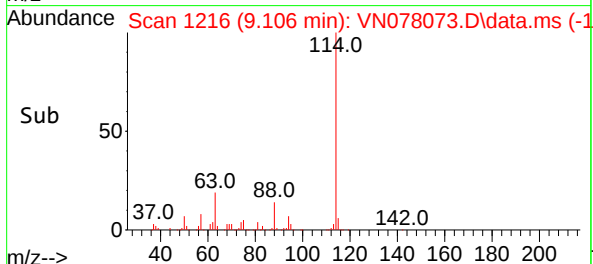
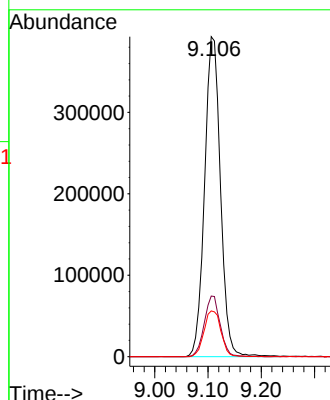
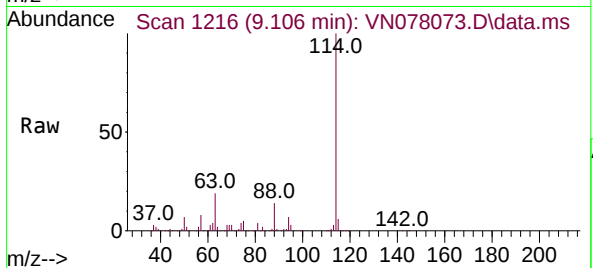
Tgt Ion:114 Resp: 813468

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.496 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078073.D

Acq: 06 Jun 2023 16:24

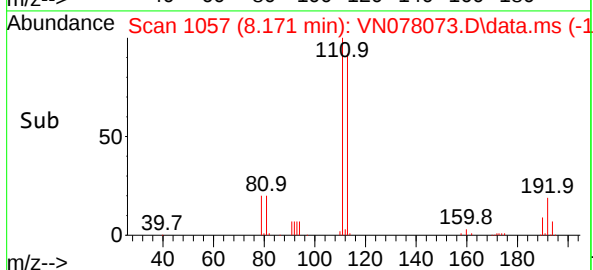
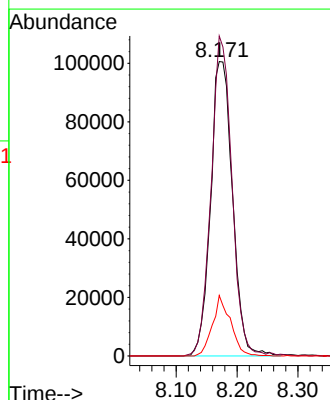
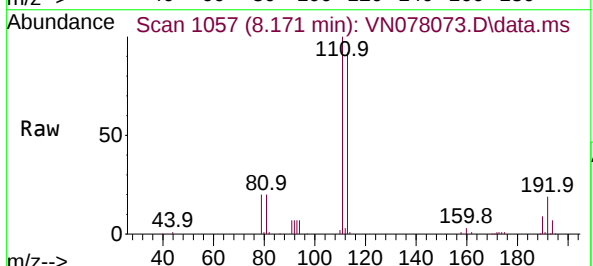
Tgt Ion:113 Resp: 251945

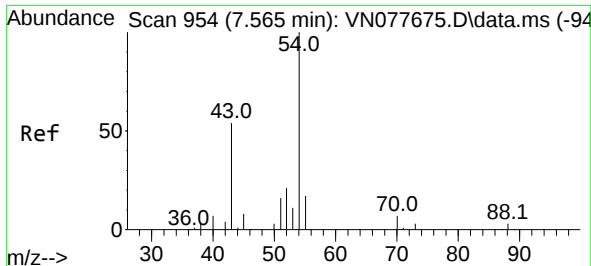
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 17.0 12.7 19.1





#37

Ethyl Acetate

Concen: 11.130 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN078073.D

Acq: 06 Jun 2023 16:24

Instrument :

MSVOA\_N

ClientSampleId :

TP-10

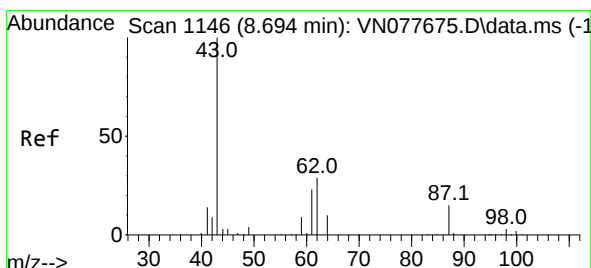
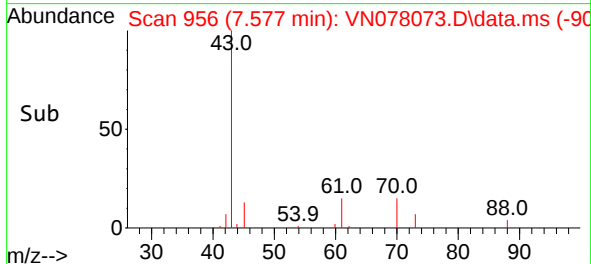
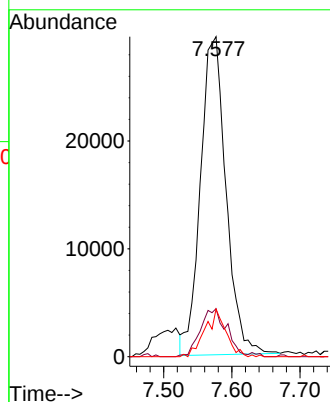
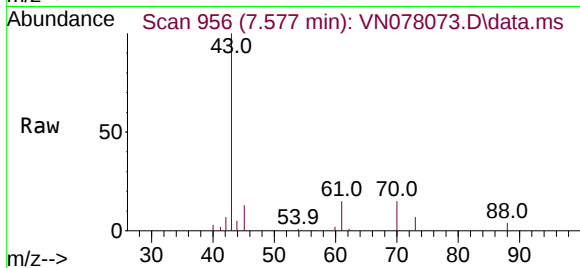
Tgt Ion: 43 Resp: 76966

Ion Ratio Lower Upper

43 100

61 15.5 13.2 19.8

70 12.2 11.3 16.9



#43

Isopropyl Acetate

Concen: 28.893 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078073.D

Acq: 06 Jun 2023 16:24

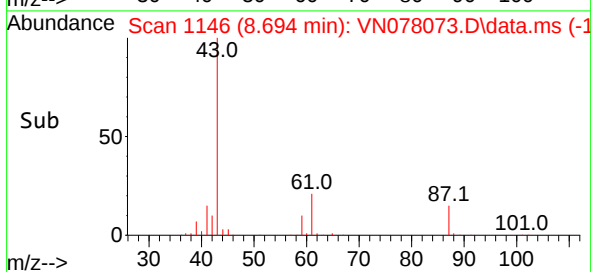
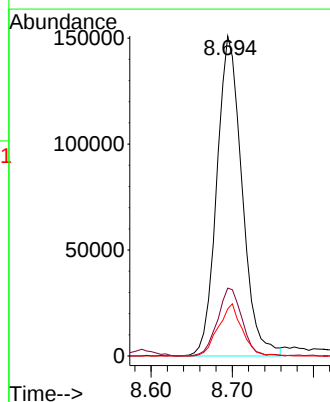
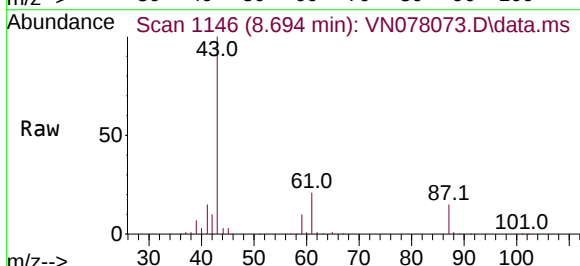
Tgt Ion: 43 Resp: 326362

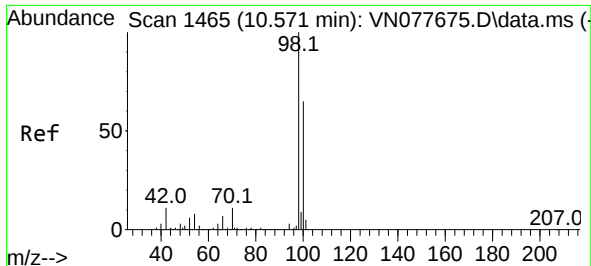
Ion Ratio Lower Upper

43 100

61 20.6 24.7 37.1#

87 15.4 14.6 21.8

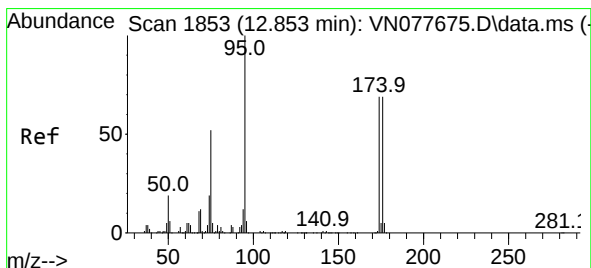
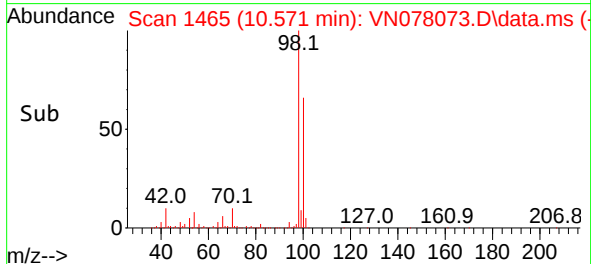
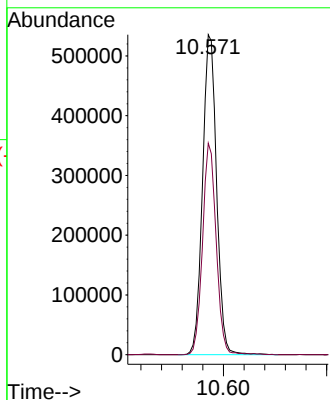
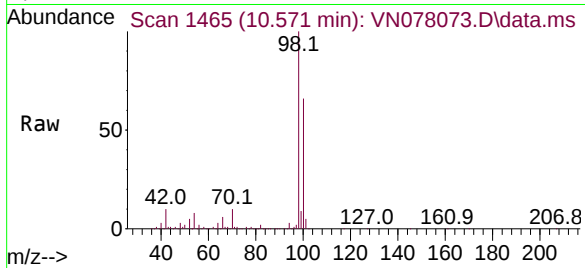




#50  
Toluene-d8  
Concen: 49.375 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078073.D  
Acq: 06 Jun 2023 16:24

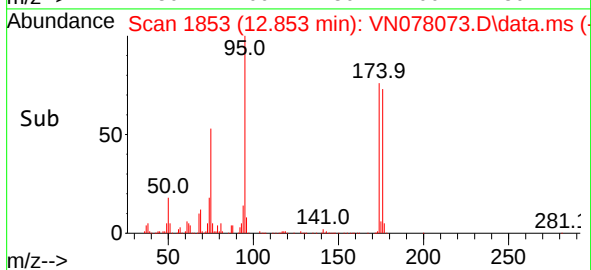
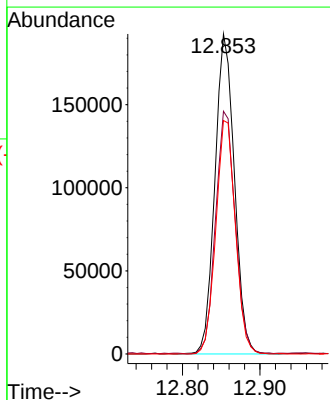
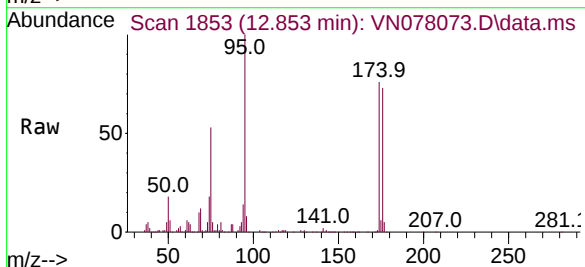
Instrument :  
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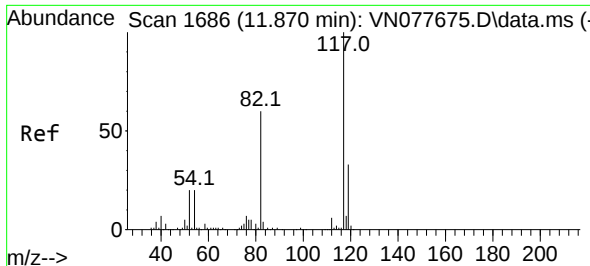
Tgt Ion: 98 Resp: 1008114  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 46.666 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078073.D  
Acq: 06 Jun 2023 16:24

Tgt Ion: 95 Resp: 336513  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 143.8  
176 73.1 0.0 135.8

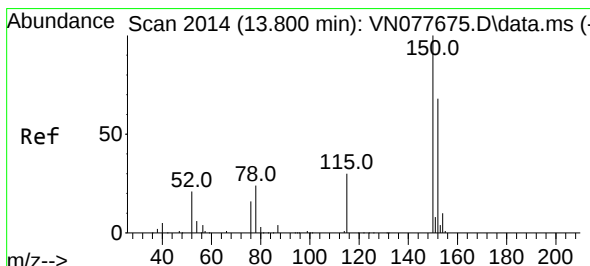
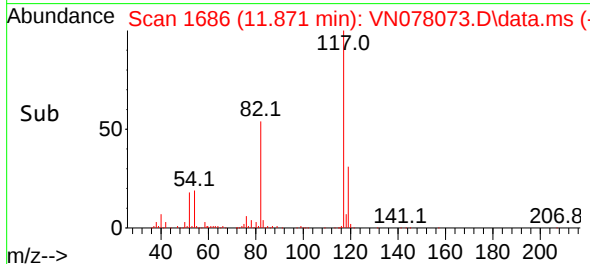
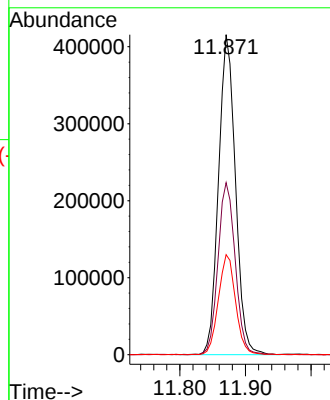
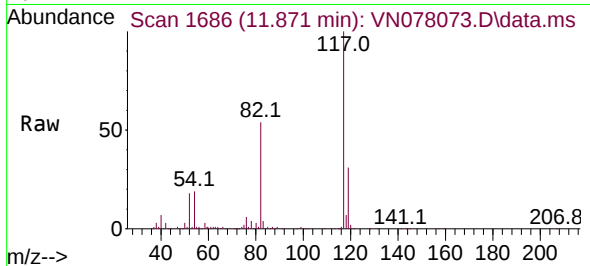




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: VN078073.D  
Acq: 06 Jun 2023 16:24

Instrument :  
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ClientSampleId :  
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Tgt Ion:117 Resp: 742707  
Ion Ratio Lower Upper  
117 100  
82 53.7 44.0 66.0  
119 31.2 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: VN078073.D  
Acq: 06 Jun 2023 16:24

Tgt Ion:152 Resp: 243497  
Ion Ratio Lower Upper  
152 100  
115 61.9 32.3 96.8  
150 155.4 0.0 355.8

