

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071823\  
 Data File : VN078561.D  
 Acq On : 18 Jul 2023 15:14  
 Operator : JC\MD  
 Sample : 03646-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 GATE-1

Quant Time: Jul 19 01:51:05 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

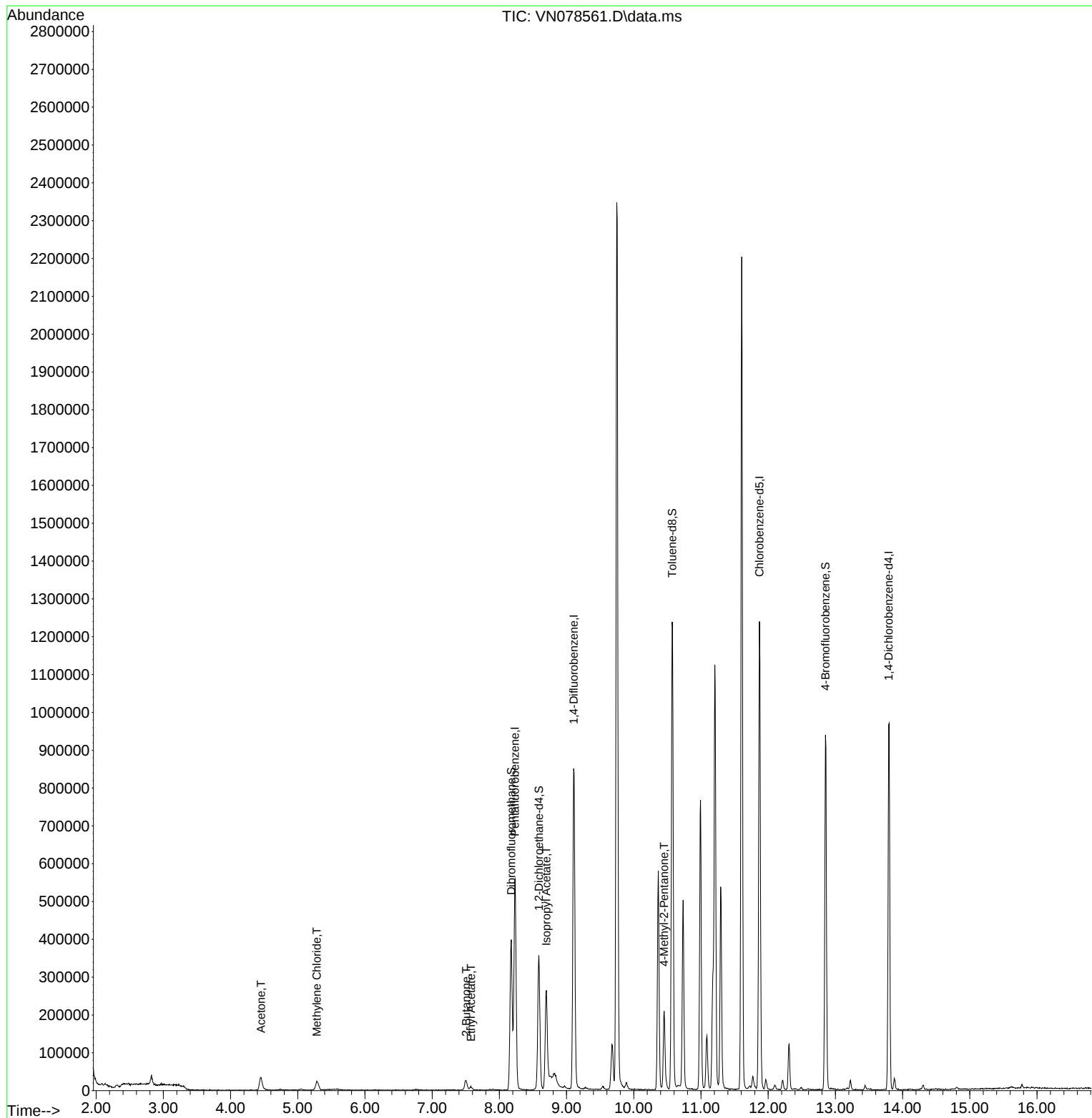
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 408126   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 766574   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 743424   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 276569   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 284899   | 52.071   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 104.140% |          |
| 35) Dibromofluoromethane    | 8.177  | 113   | 281540   | 54.103   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 108.200% |          |
| 50) Toluene-d8              | 10.571 | 98    | 912266   | 46.406   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 92.820%  |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 328640   | 54.275   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 108.540% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.453  | 43    | 64490    | 37.839   | ug/l       | 94       |
| 20) Methylene Chloride      | 5.283  | 84    | 18910    | 2.712    | ug/l       | 96       |
| 25) 2-Butanone              | 7.506  | 43    | 40785    | 15.202   | ug/l #     | 85       |
| 37) Ethyl Acetate           | 7.577  | 43    | 12427    | 1.984    | ug/l       | 97       |
| 43) Isopropyl Acetate       | 8.700  | 43    | 301059   | 29.194   | ug/l #     | 80       |
| 51) 4-Methyl-2-Pentanone    | 10.453 | 43    | 141239   | 23.026   | ug/l       | 86       |
| -----                       |        |       |          |          |            |          |

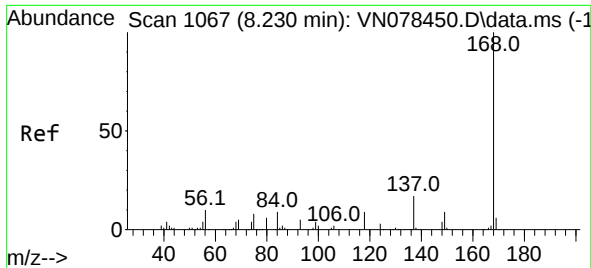
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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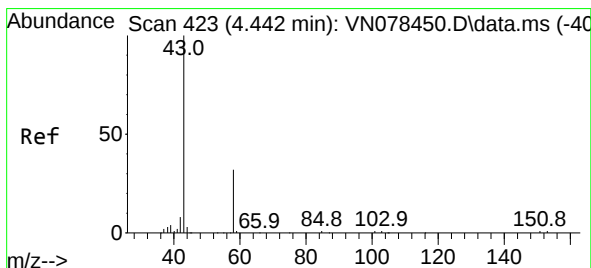
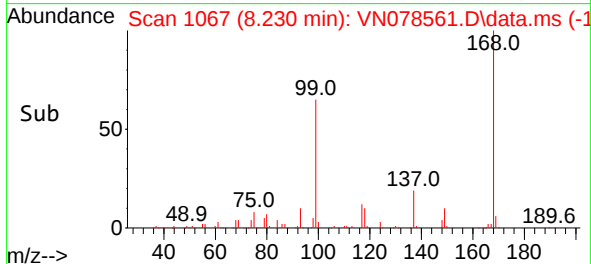
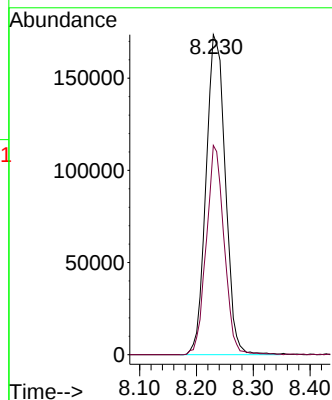
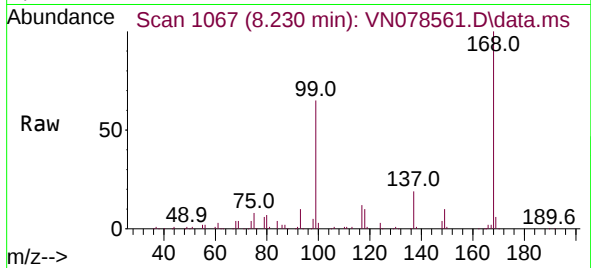




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

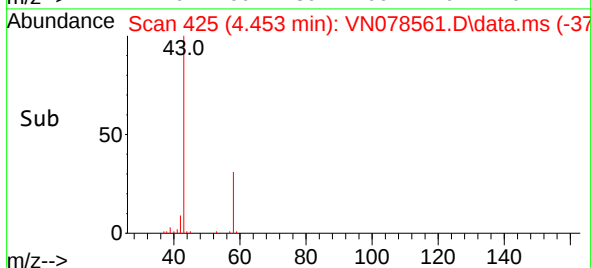
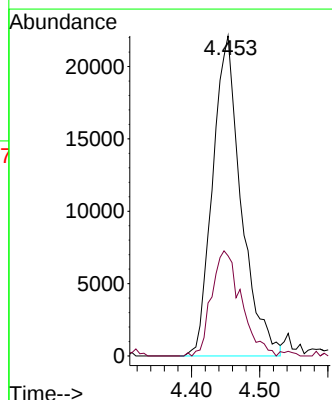
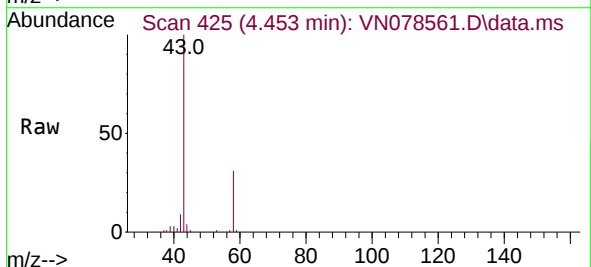
Instrument :  
MSVOA\_N  
ClientSampleId :  
GATE-1

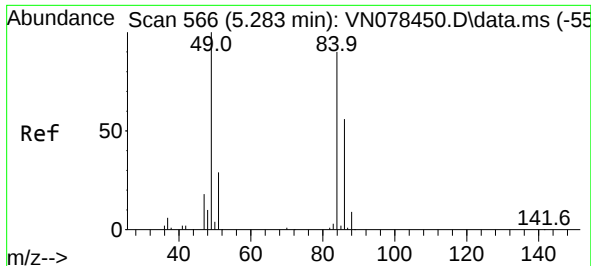
Tgt Ion:168 Resp: 408126  
Ion Ratio Lower Upper  
168 100  
99 65.4 53.0 79.6



#16  
Acetone  
Concen: 37.839 ug/l  
RT: 4.453 min Scan# 425  
Delta R.T. 0.011 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

Tgt Ion: 43 Resp: 64490  
Ion Ratio Lower Upper  
43 100  
58 31.3 28.0 42.0

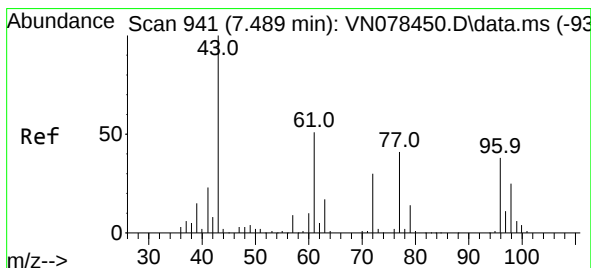
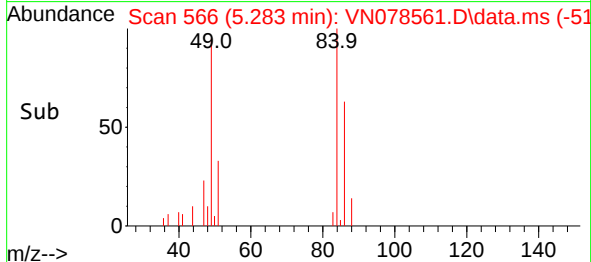
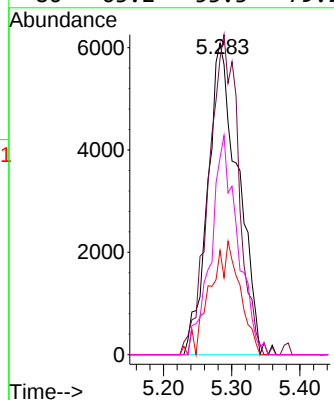
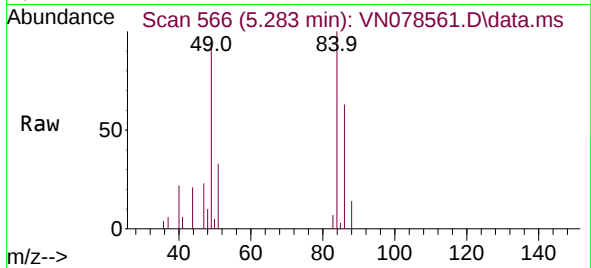




#20  
Methylene Chloride  
Concen: 2.712 ug/l  
RT: 5.283 min Scan# 501  
Delta R.T. -0.000 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

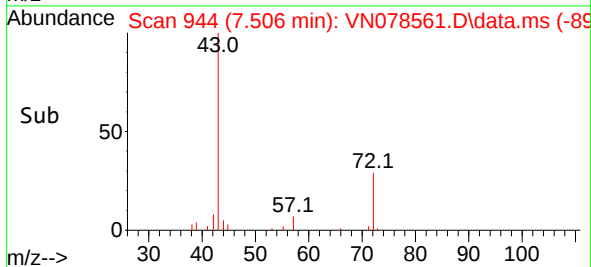
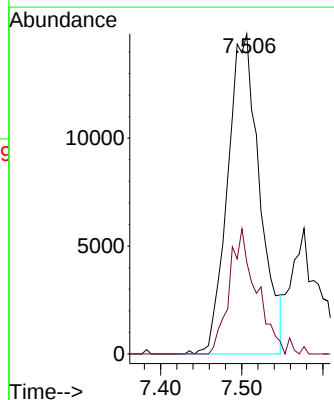
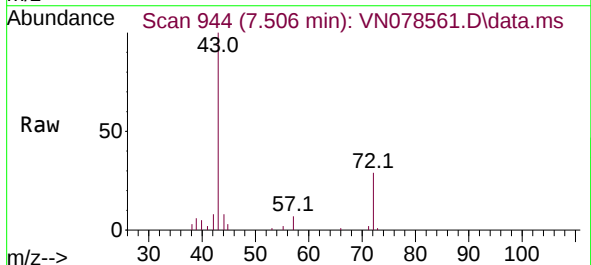
Instrument :  
MSVOA\_N  
ClientSampleId :  
GATE-1

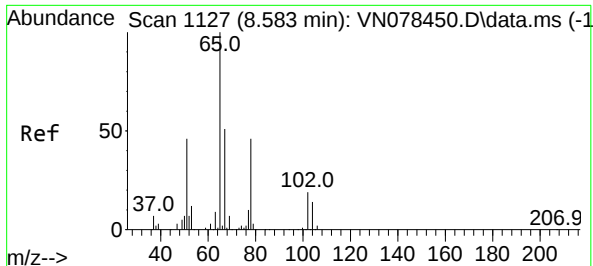
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 18910 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 95.1  | 79.7  | 119.5 |
| 51       | 33.4  | 25.2  | 37.8  |
| 86       | 63.2  | 53.3  | 79.9  |



#25  
2-Butanone  
Concen: 15.202 ug/l  
RT: 7.506 min Scan# 944  
Delta R.T. 0.017 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 40785 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 28.7  | 30.2  | 45.2# |





#33

1,2-Dichloroethane-d4

Concen: 52.071 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078561.D

Acq: 18 Jul 2023 15:14

Instrument :

MSVOA\_N

ClientSampleId :

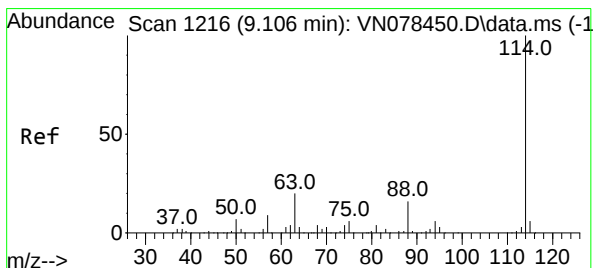
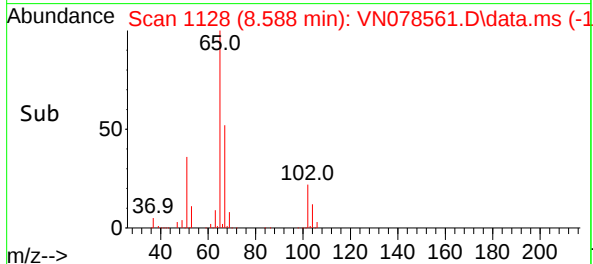
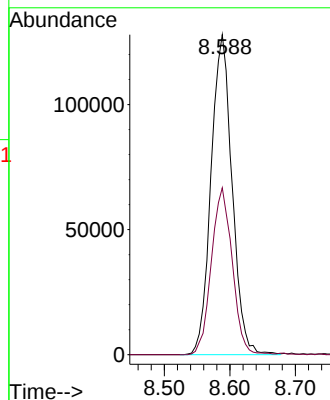
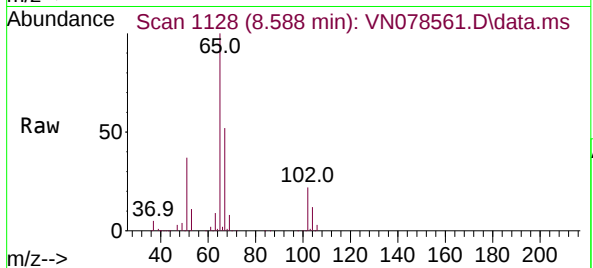
GATE-1

Tgt Ion: 65 Resp: 284899

Ion Ratio Lower Upper

65 100

67 51.7 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: VN078561.D

Acq: 18 Jul 2023 15:14

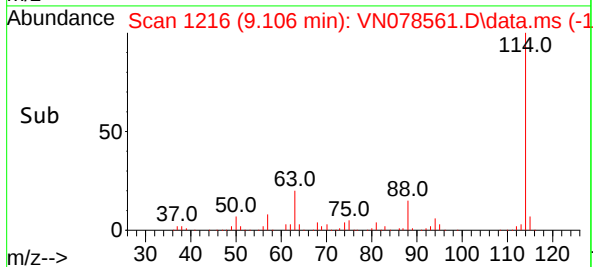
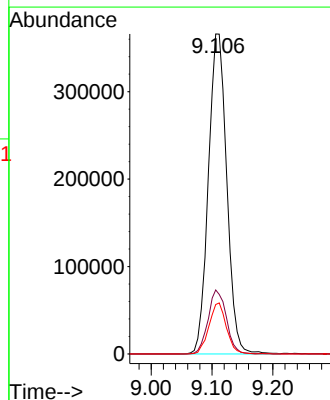
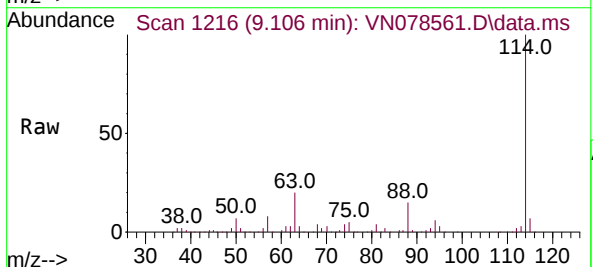
Tgt Ion: 114 Resp: 766574

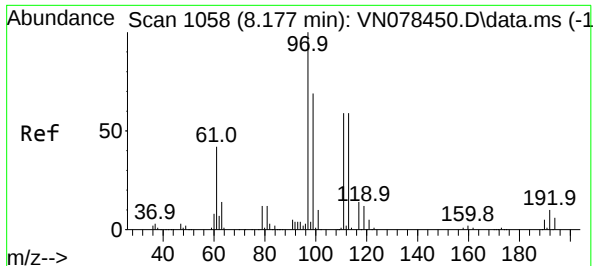
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.103 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078561.D

Acq: 18 Jul 2023 15:14

Instrument :

MSVOA\_N

ClientSampleId :

GATE-1

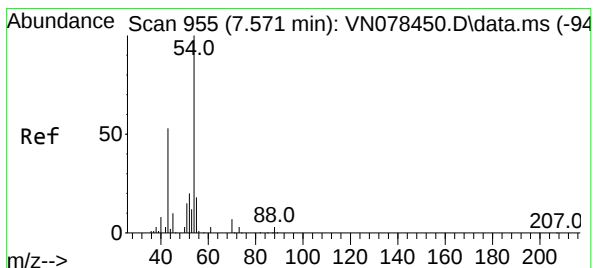
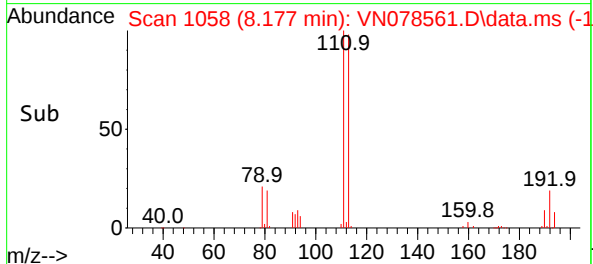
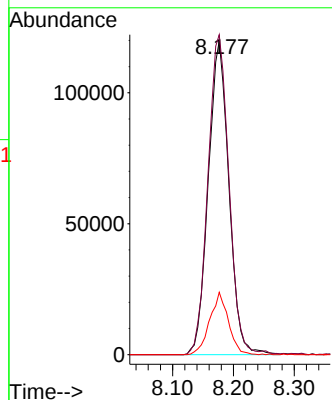
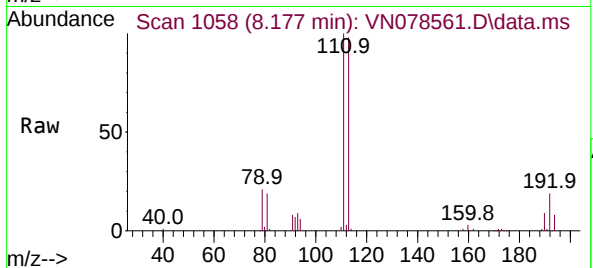
Tgt Ion:113 Resp: 281540

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 18.0 12.7 19.1



#37

Ethyl Acetate

Concen: 1.984 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN078561.D

Acq: 18 Jul 2023 15:14

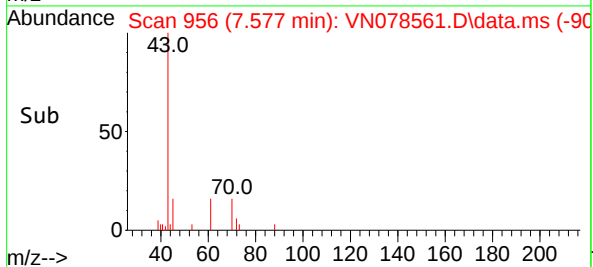
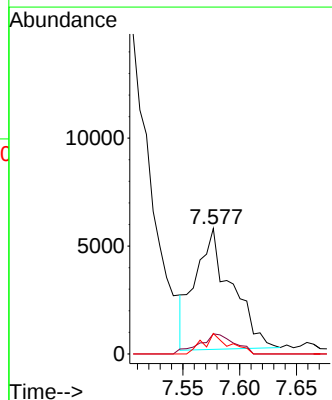
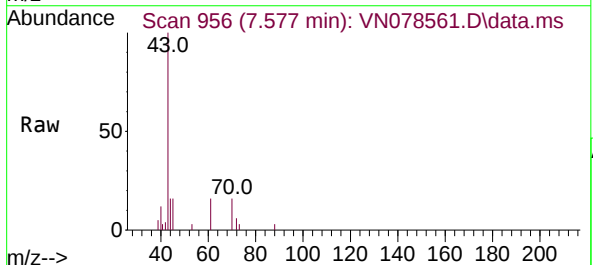
Tgt Ion: 43 Resp: 12427

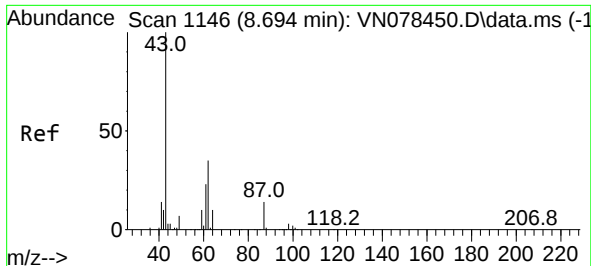
Ion Ratio Lower Upper

43 100

61 15.9 13.2 19.8

70 12.0 11.3 16.9

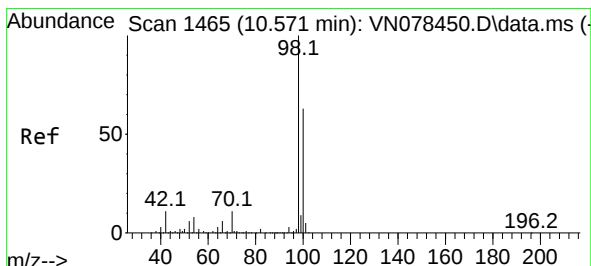
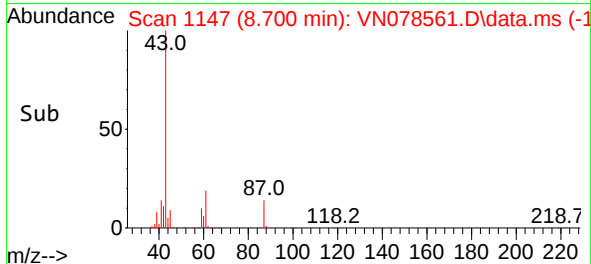
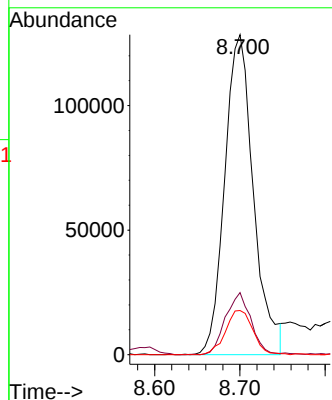
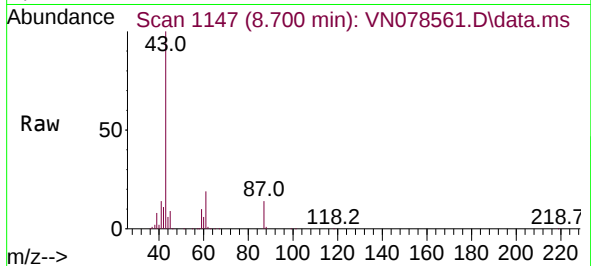




#43  
Isopropyl Acetate  
Concen: 29.194 ug/l  
RT: 8.700 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

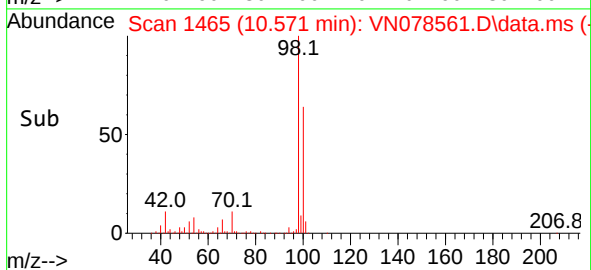
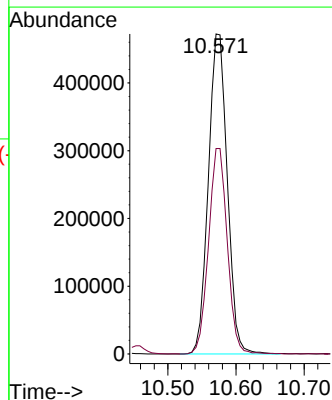
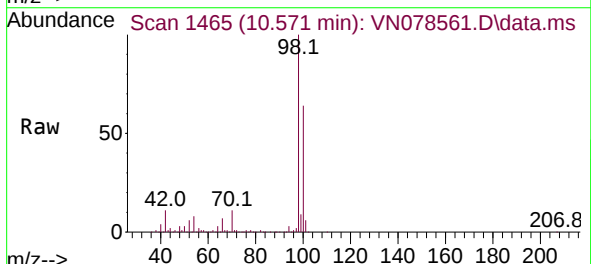
Instrument :  
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GATE-1

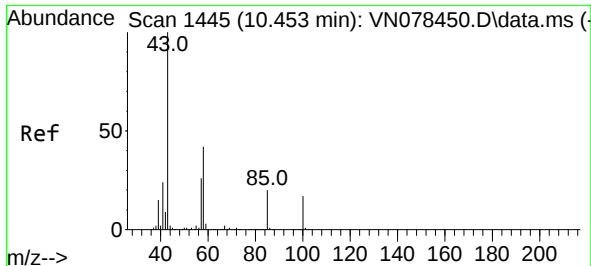
Tgt Ion: 43 Resp: 301059  
Ion Ratio Lower Upper  
43 100  
61 17.5 24.7 37.1#  
87 13.2 14.6 21.8#



#50  
Toluene-d8  
Concen: 46.406 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

Tgt Ion: 98 Resp: 912266  
Ion Ratio Lower Upper  
98 100  
100 63.5 52.0 78.0

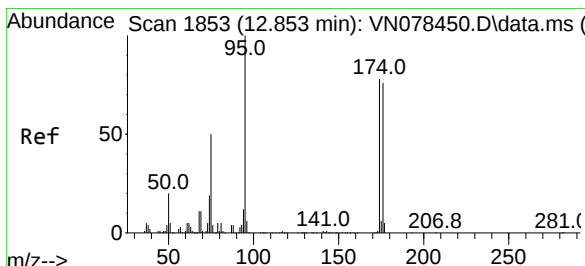
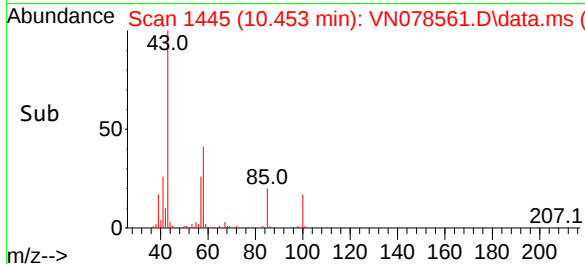
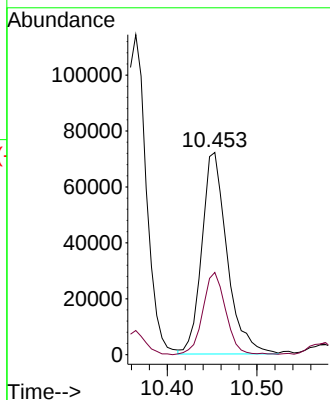
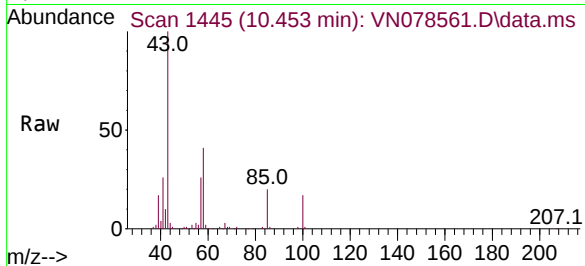




#51  
4-Methyl-2-Pentanone  
Concen: 23.026 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

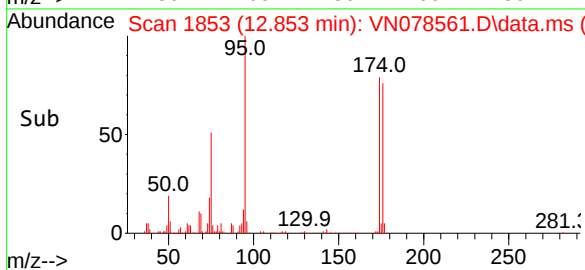
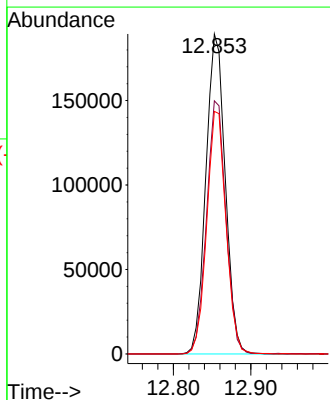
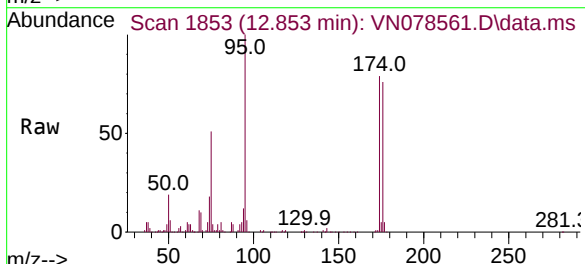
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GATE-1

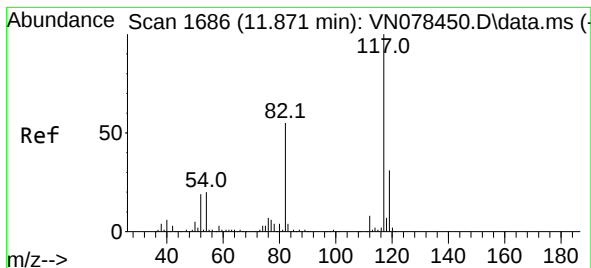
Tgt Ion: 43 Resp: 141239  
Ion Ratio Lower Upper  
43 100  
58 36.8 36.6 54.8



#62  
4-Bromofluorobenzene  
Concen: 54.275 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

Tgt Ion: 95 Resp: 328640  
Ion Ratio Lower Upper  
95 100  
174 79.3 0.0 143.8  
176 75.3 0.0 135.8

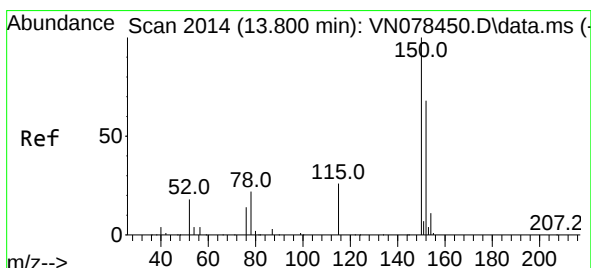
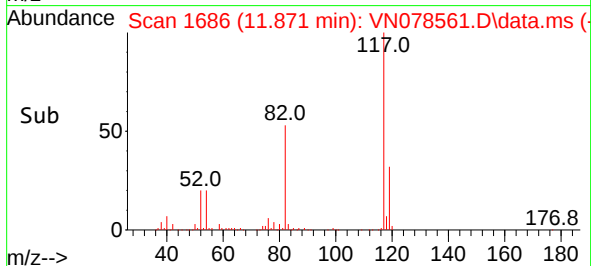
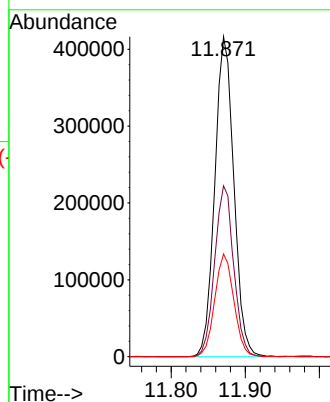
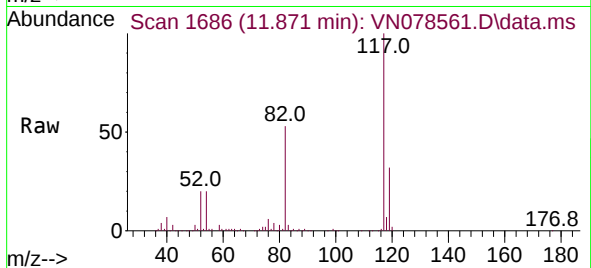




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
GATE-1

Tgt Ion:117 Resp: 743424  
Ion Ratio Lower Upper  
117 100  
82 53.4 44.0 66.0  
119 32.1 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.006 min  
Lab File: VN078561.D  
Acq: 18 Jul 2023 15:14

Tgt Ion:152 Resp: 276569  
Ion Ratio Lower Upper  
152 100  
115 60.3 32.3 96.8  
150 153.5 0.0 355.8

