

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081623\  
 Data File : VN078909.D  
 Acq On : 16 Aug 2023 17:42  
 Operator : JC\MD  
 Sample : 04022-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-24

Quant Time: Aug 17 01:19:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

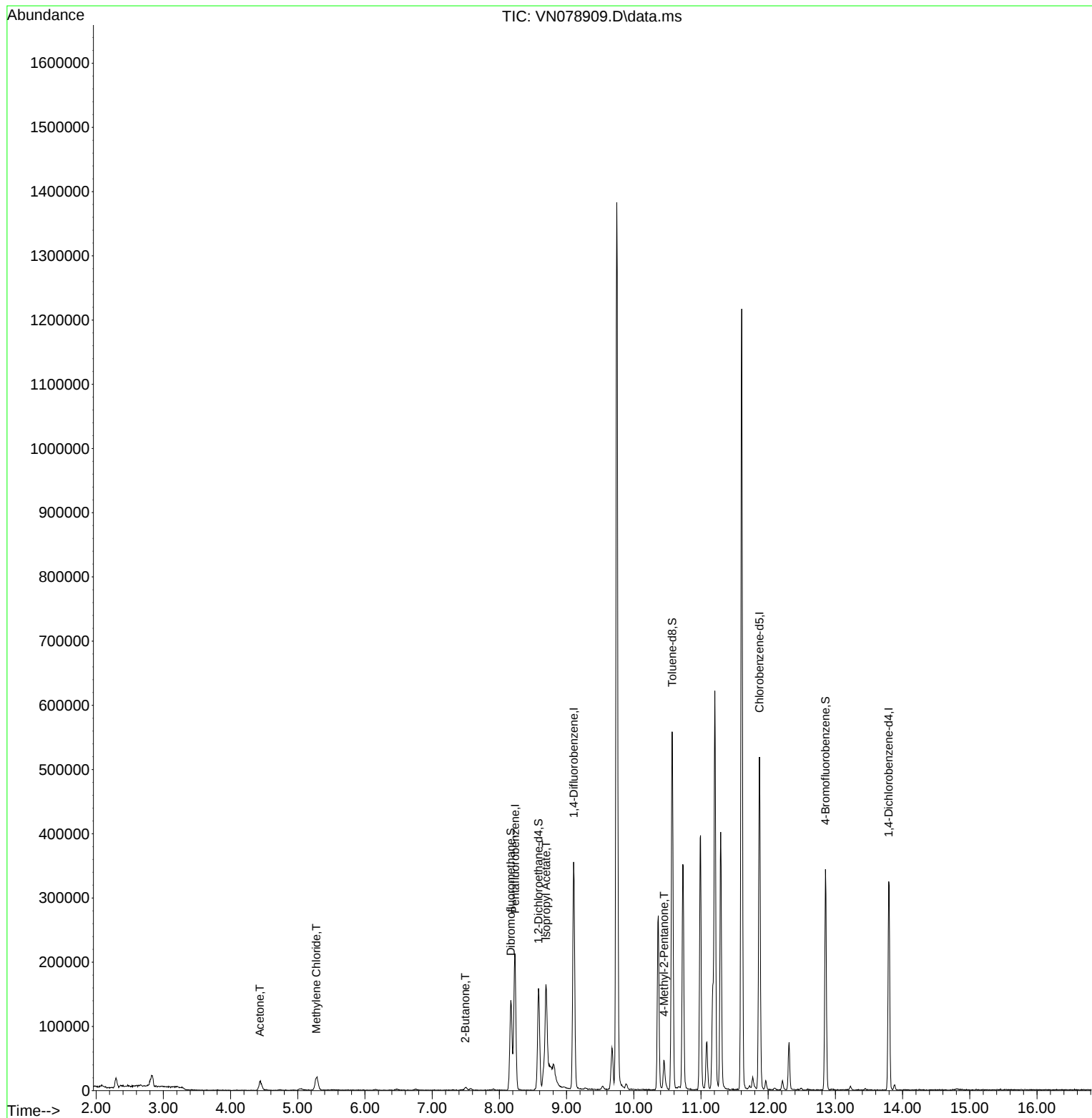
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.236  | 168   | 144274   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 289569   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 277102   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 82721    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 124546   | 55.476   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 110.960% |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 99543    | 51.068   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 102.140% |          |
| 50) Toluene-d8              | 10.571 | 98    | 374297   | 51.715   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 103.440% |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 108058   | 45.677   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 91.360%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.436  | 43    | 26619    | 28.736   | ug/l       | 94       |
| 20) Methylene Chloride      | 5.277  | 84    | 15302    | 7.751    | ug/l #     | 86       |
| 25) 2-Butanone              | 7.494  | 43    | 7789     | 5.245    | ug/l #     | 74       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 246515   | 42.513   | ug/l #     | 68       |
| 51) 4-Methyl-2-Pentanone    | 10.453 | 43    | 37123    | 10.794   | ug/l #     | 74       |
| -----                       |        |       |          |          |            |          |

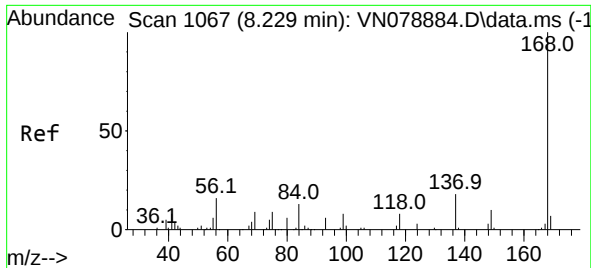
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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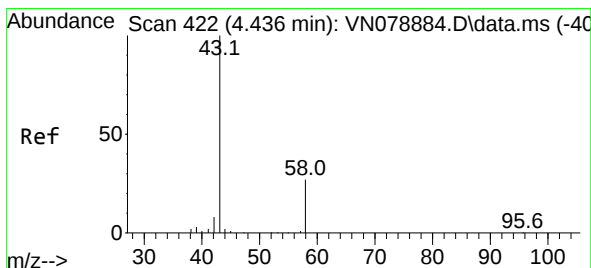
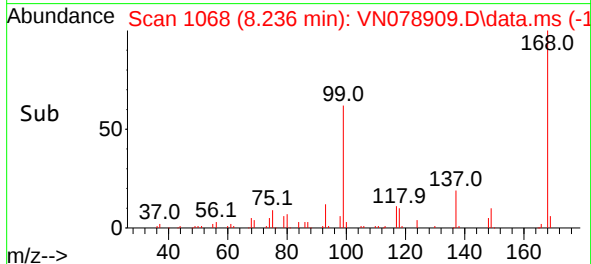
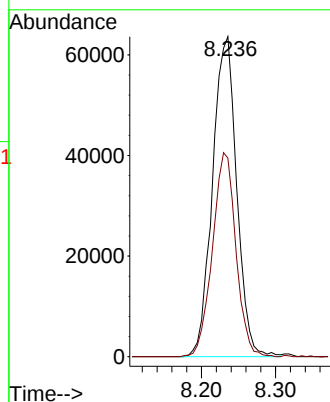
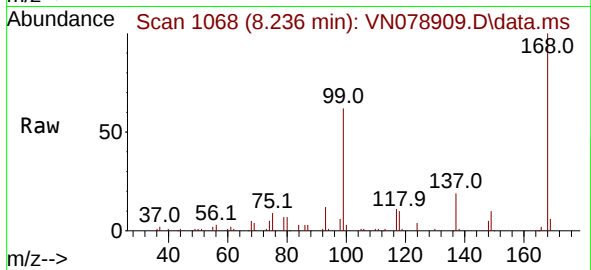




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. 0.006 min  
Lab File: VN078909.D  
Acq: 16 Aug 2023 17:42

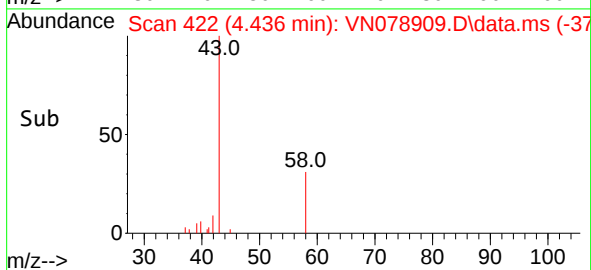
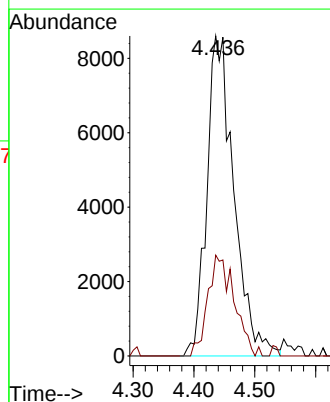
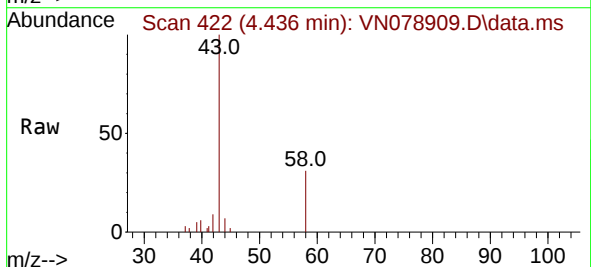
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-24

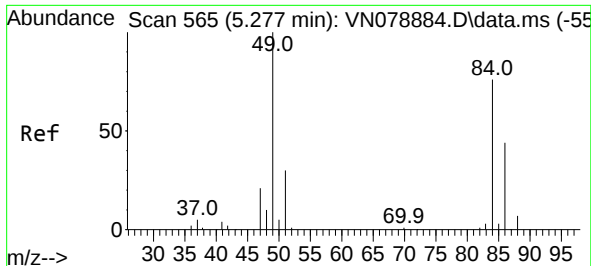
Tgt Ion:168 Resp: 144274  
Ion Ratio Lower Upper  
168 100  
99 62.1 53.0 79.6



#16  
Acetone  
Concen: 28.736 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. -0.006 min  
Lab File: VN078909.D  
Acq: 16 Aug 2023 17:42

Tgt Ion: 43 Resp: 26619  
Ion Ratio Lower Upper  
43 100  
58 31.5 28.0 42.0

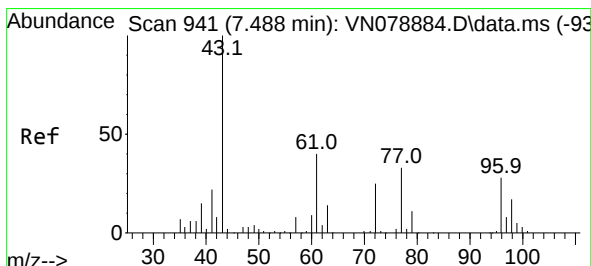
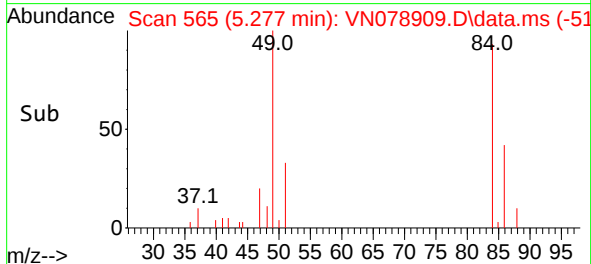
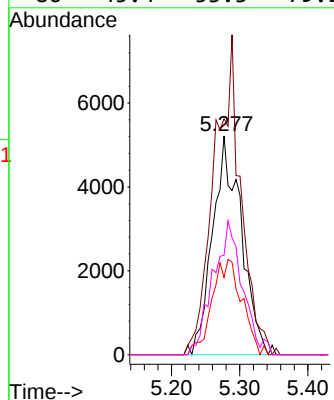
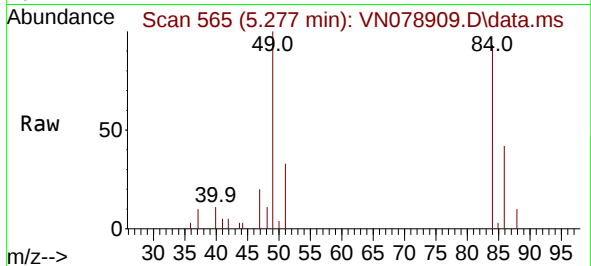




#20  
Methylene Chloride  
Concen: 7.751 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN078909.D  
Acq: 16 Aug 2023 17:42

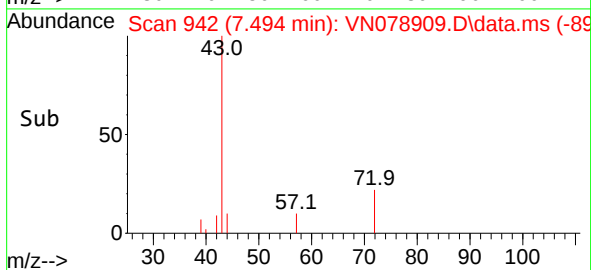
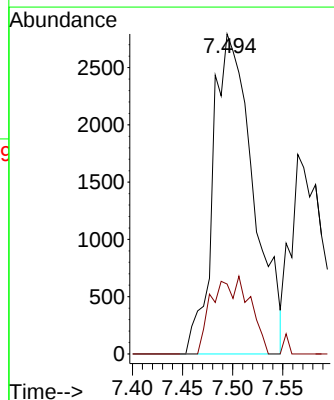
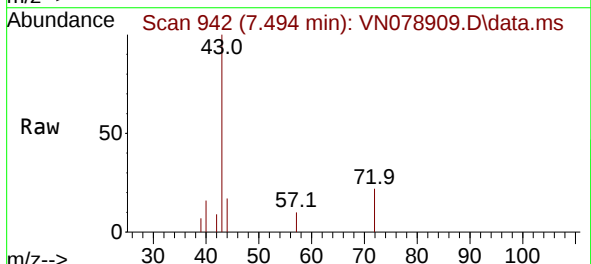
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-24

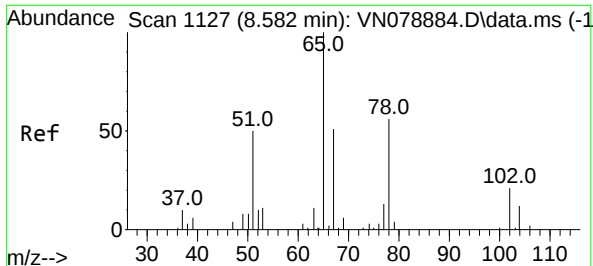
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 15302 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.9 | 79.7  | 119.5 |
| 51       | 35.3  | 25.2  | 37.8  |
| 86       | 45.4  | 53.3  | 79.9# |



#25  
2-Butanone  
Concen: 5.245 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VN078909.D  
Acq: 16 Aug 2023 17:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 7789  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 21.8  | 30.2  | 45.2# |





#33

1,2-Dichloroethane-d4

Concen: 55.476 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

Instrument :

MSVOA\_N

ClientSampleId :

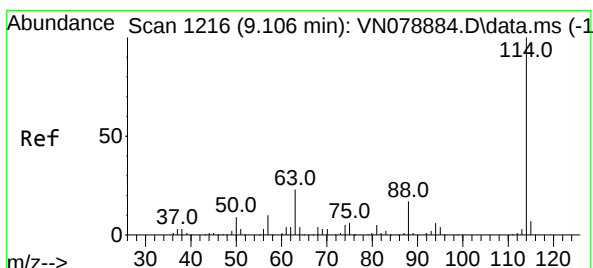
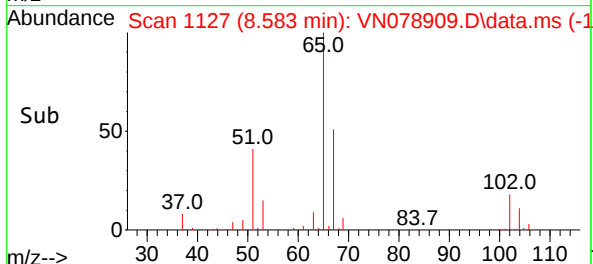
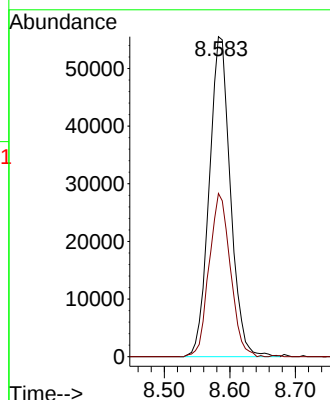
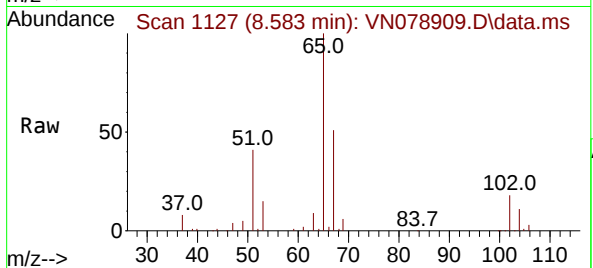
TP-24

Tgt Ion: 65 Resp: 124546

Ion Ratio Lower Upper

65 100

67 51.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

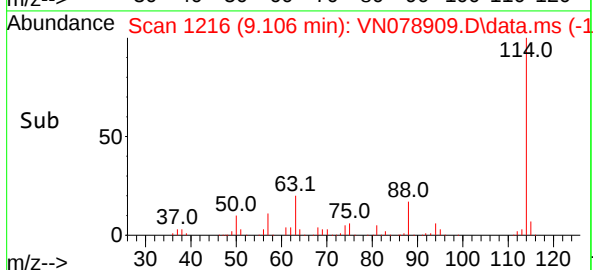
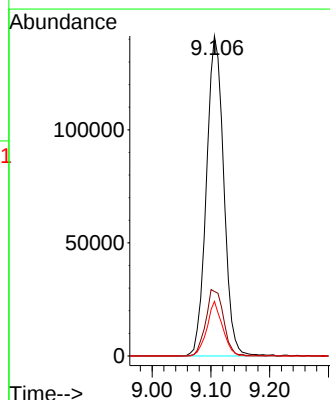
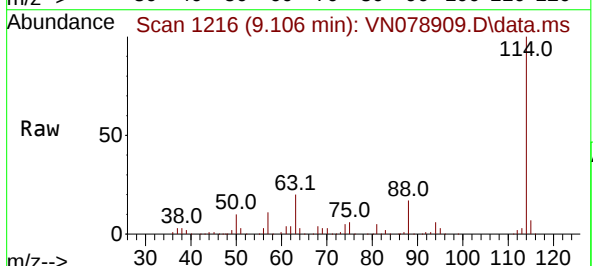
Tgt Ion: 114 Resp: 289569

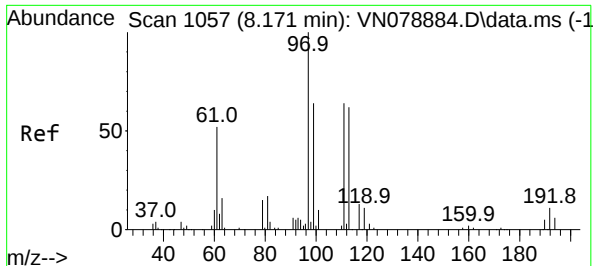
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 17.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.068 ug/l

RT: 8.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

Instrument :

MSVOA\_N

ClientSampleId :

TP-24

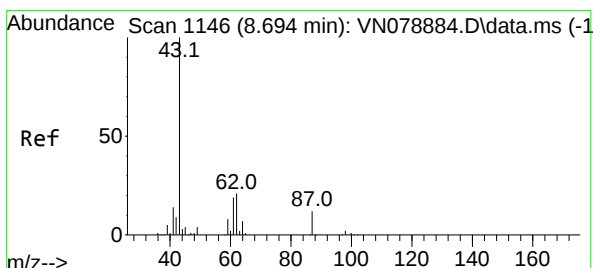
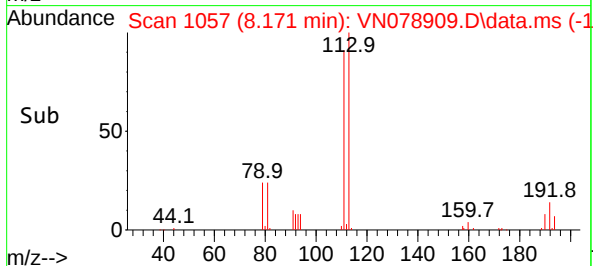
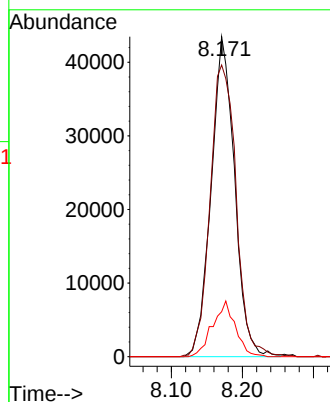
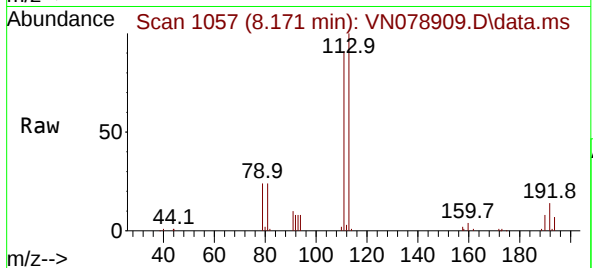
Tgt Ion:113 Resp: 99543

Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 16.9 12.7 19.1



#43

Isopropyl Acetate

Concen: 42.513 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

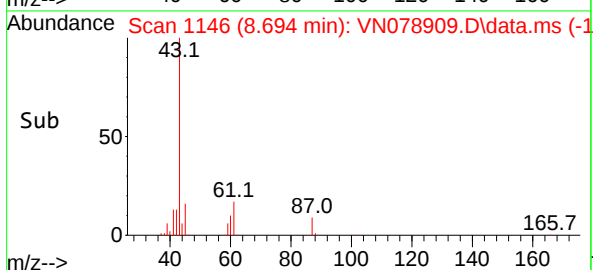
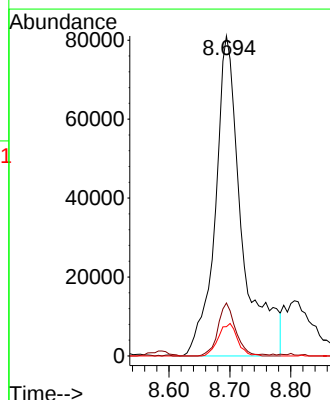
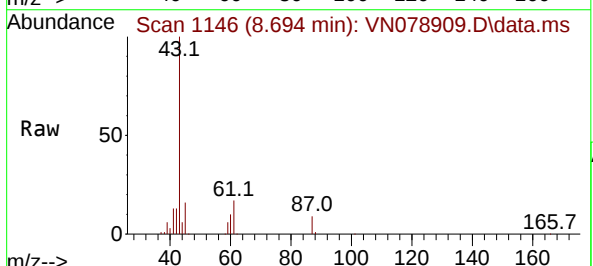
Tgt Ion: 43 Resp: 246515

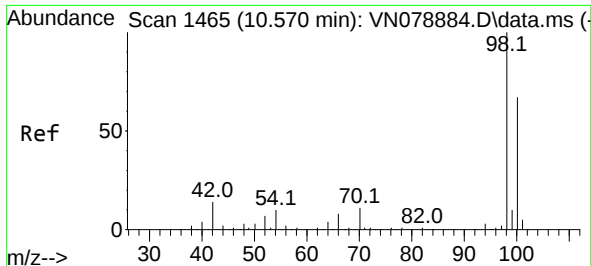
Ion Ratio Lower Upper

43 100

61 10.9 24.7 37.1#

87 7.3 14.6 21.8#

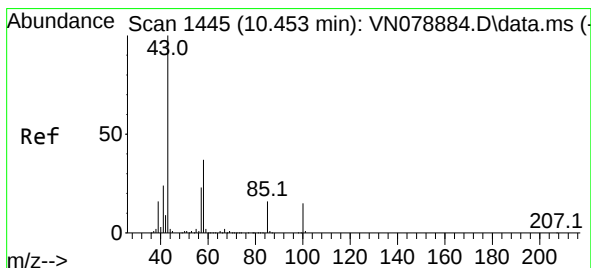
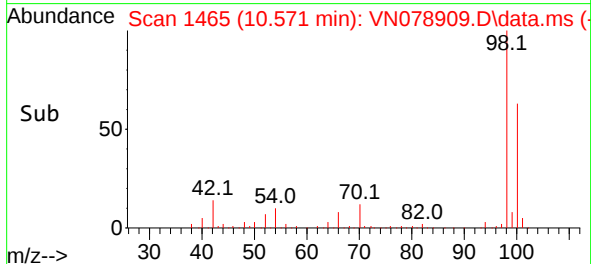
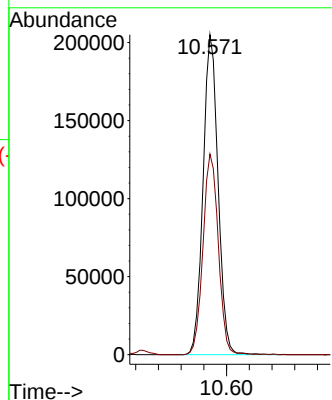
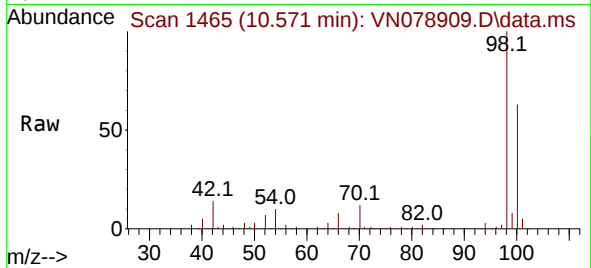




#50  
Toluene-d8  
Concen: 51.715 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078909.D  
Acq: 16 Aug 2023 17:42

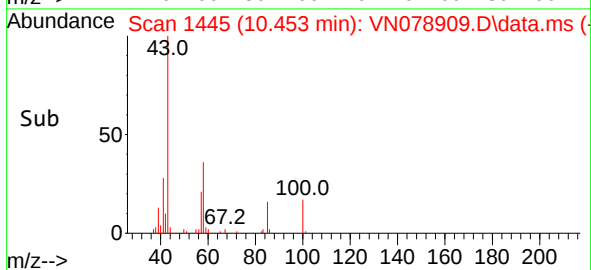
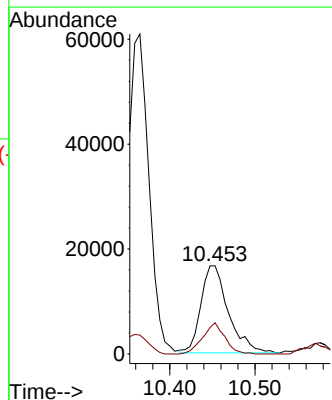
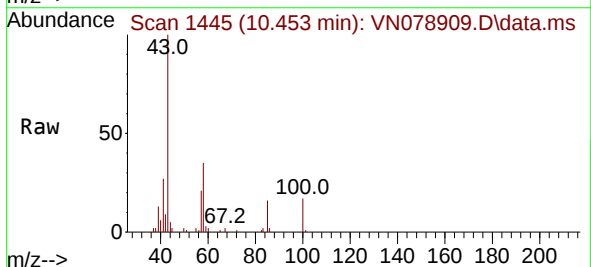
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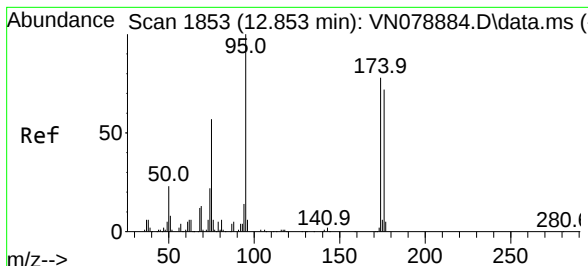
Tgt Ion: 98 Resp: 374297  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 10.794 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078909.D  
Acq: 16 Aug 2023 17:42

Tgt Ion: 43 Resp: 37123  
Ion Ratio Lower Upper  
43 100  
58 28.8 36.6 54.8#

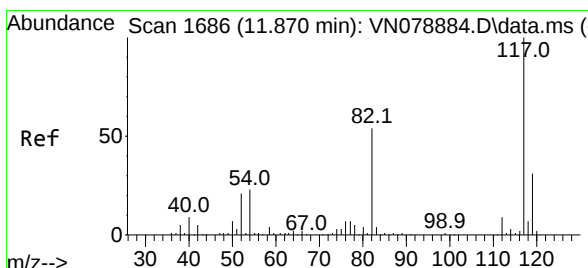
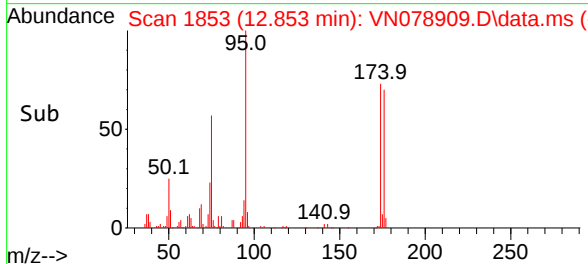
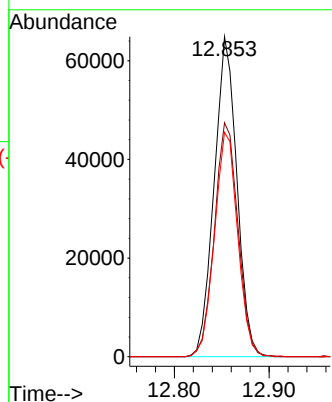
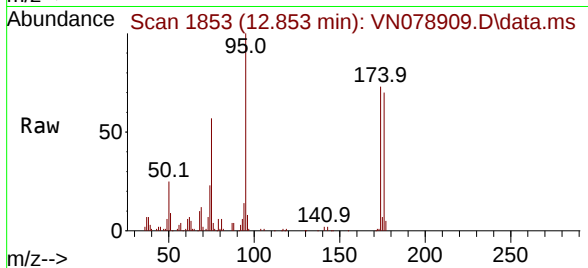




#62  
4-Bromofluorobenzene  
Concen: 45.677 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078909.D  
Acq: 16 Aug 2023 17:42

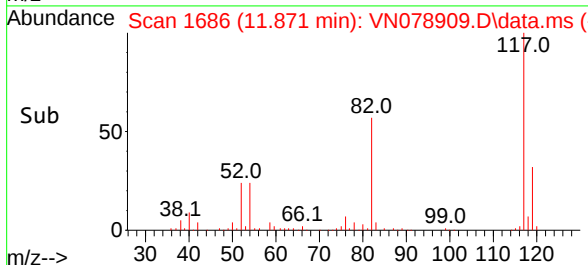
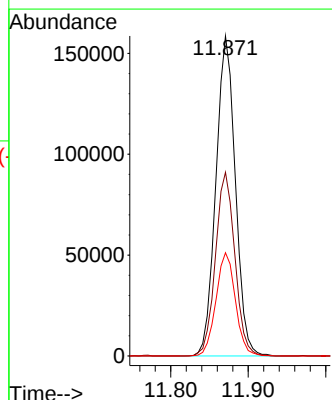
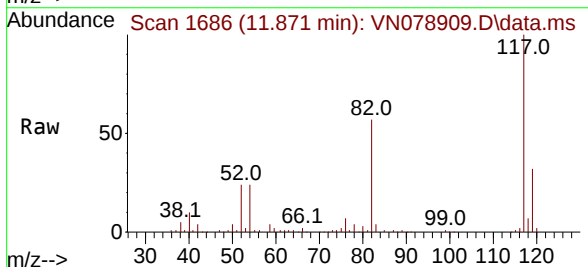
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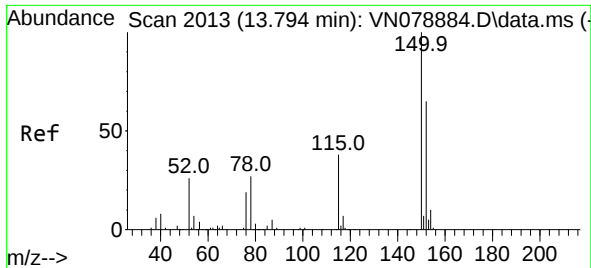
Tgt Ion: 95 Resp: 108058  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 143.8  
176 71.8 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN078909.D  
Acq: 16 Aug 2023 17:42

Tgt Ion: 117 Resp: 277102  
Ion Ratio Lower Upper  
117 100  
82 57.4 44.0 66.0  
119 32.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN078909.D

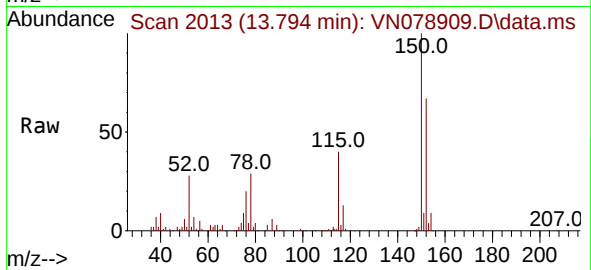
Acq: 16 Aug 2023 17:42

Instrument :

MSVOA\_N

ClientSampleId :

TP-24



Tgt Ion:152 Resp: 82721

Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 154.8 0.0 355.8

