

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103023\  
 Data File : VN079732.D  
 Acq On : 30 Oct 2023 19:06  
 Operator : JC\MD  
 Sample : 05138-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 348

Quant Time: Oct 31 07:33:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103023W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 07:23:24 2023  
 Response via : Initial Calibration

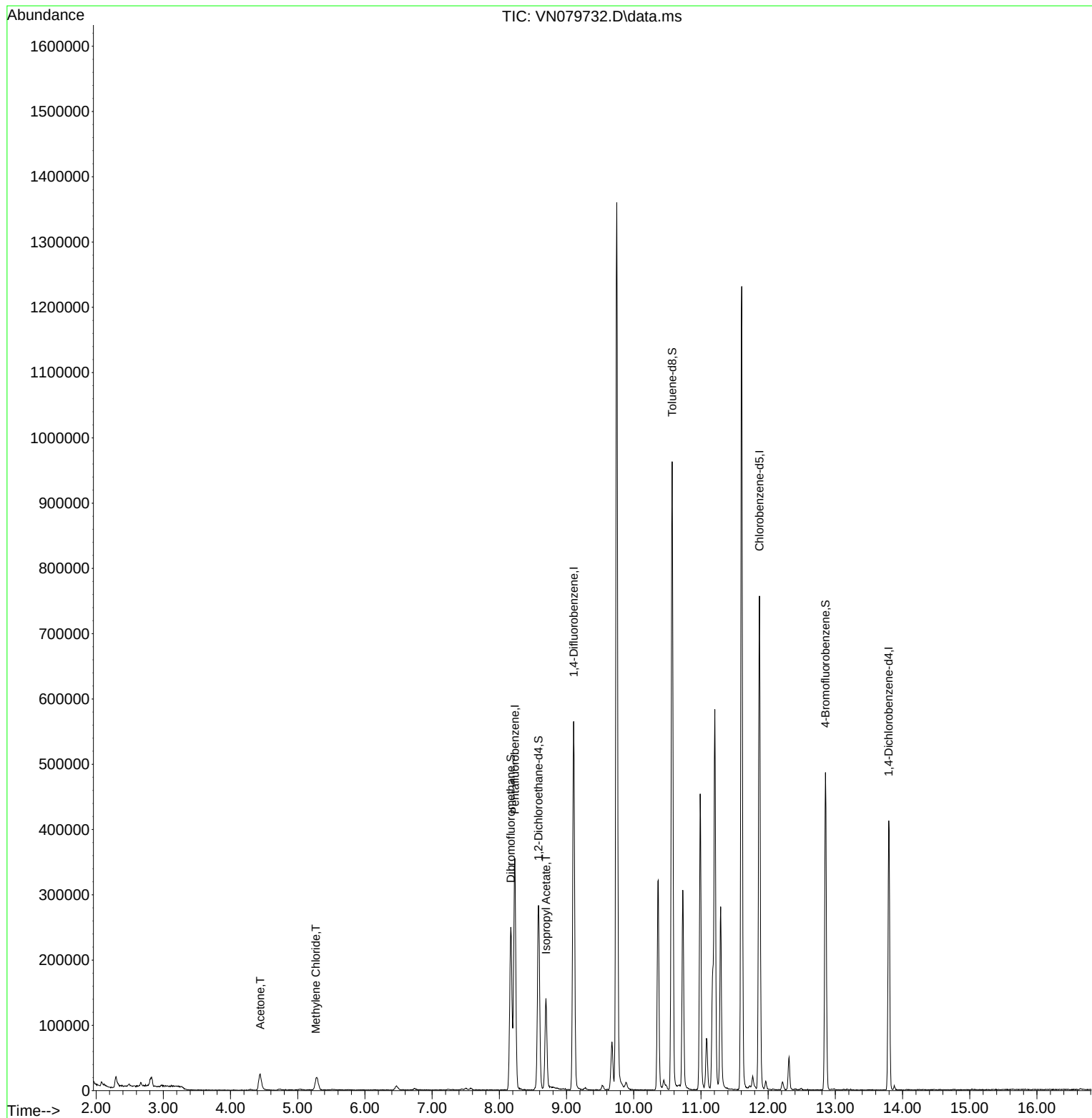
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 243427   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 467718   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 423359   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 108627   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65    | 234451   | 59.975   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 119.940% |
| 35) Dibromofluoromethane    | 8.171     | 113   | 180494   | 54.006   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 108.020% |
| 50) Toluene-d8              | 10.571    | 98    | 647394   | 51.963   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 103.920% |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 164830   | 42.012   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 84.020%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.442     | 43    | 47840    | 28.604   | ug/l # | 88       |
| 20) Methylene Chloride      | 5.271     | 84    | 15483    | 4.675    | ug/l # | 89       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 158142   | 20.129   | ug/l # | 81       |
| -----                       |           |       |          |          |        |          |

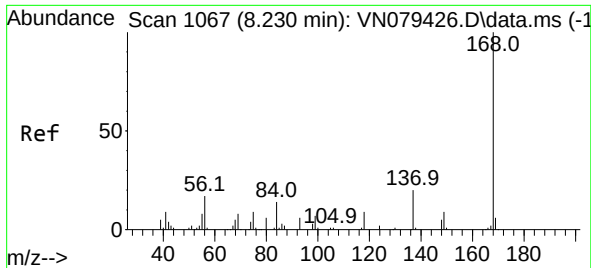
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103023W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 31 07:23:24 2023  
Response via : Initial Calibration

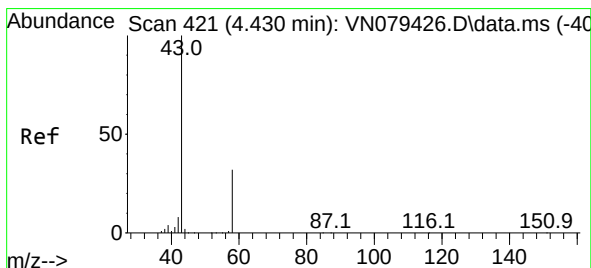
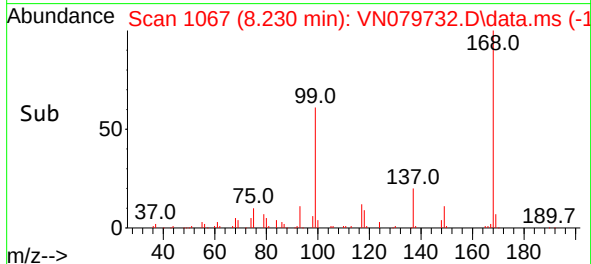
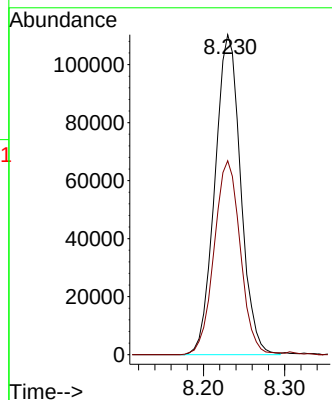
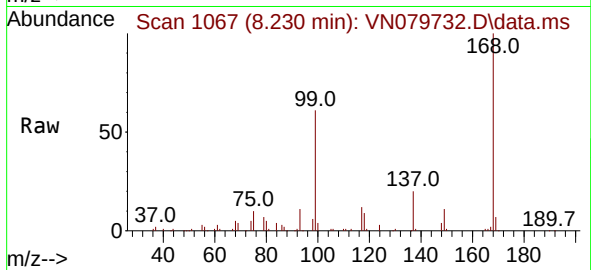




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079732.D  
Acq: 30 Oct 2023 19:06

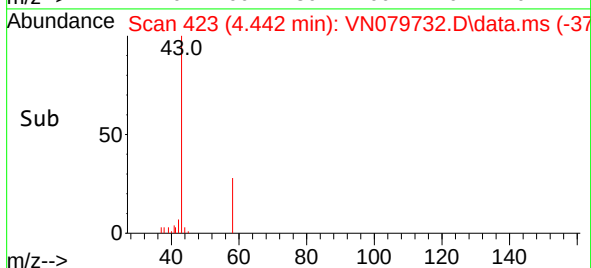
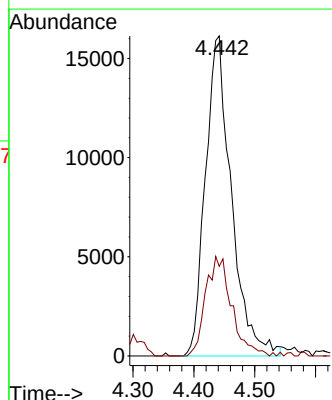
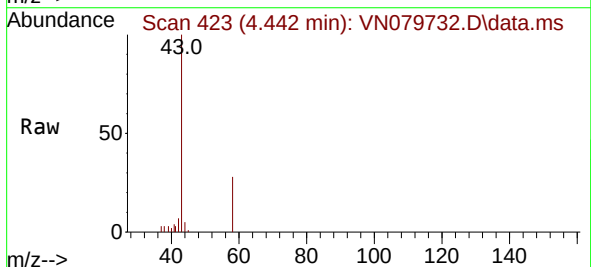
Instrument :  
MSVOA\_N  
ClientSampleId :  
348

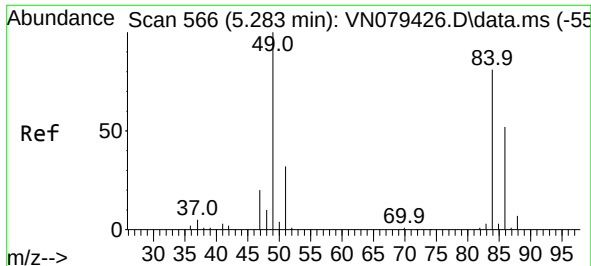
Tgt Ion:168 Resp: 243427  
Ion Ratio Lower Upper  
168 100  
99 60.6 53.0 79.6



#16  
Acetone  
Concen: 28.604 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. 0.012 min  
Lab File: VN079732.D  
Acq: 30 Oct 2023 19:06

Tgt Ion: 43 Resp: 47840  
Ion Ratio Lower Upper  
43 100  
58 28.0 28.0 42.0#

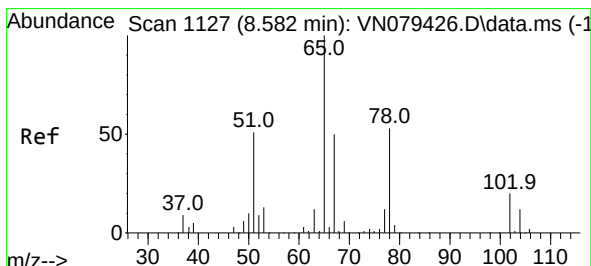
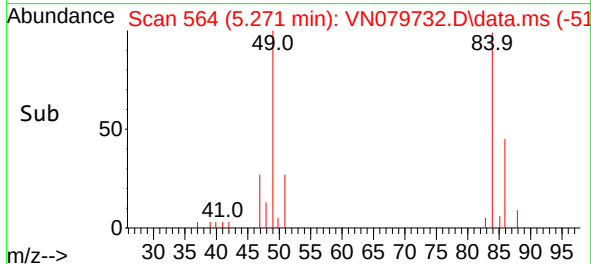
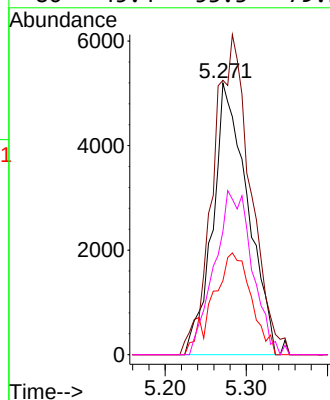
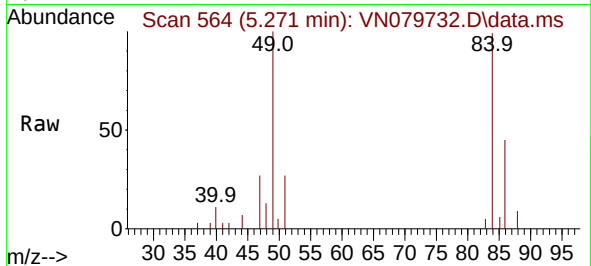




#20  
Methylene Chloride  
Concen: 4.675 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VN079732.D  
Acq: 30 Oct 2023 19:06

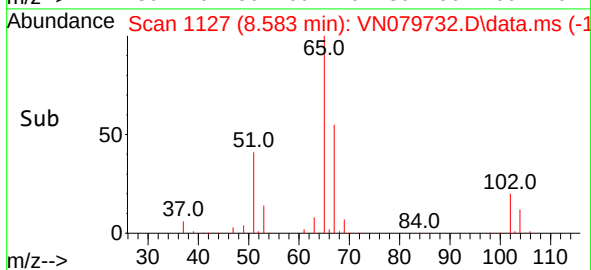
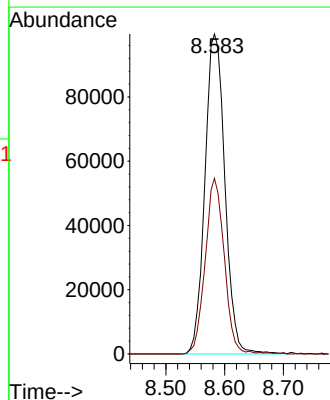
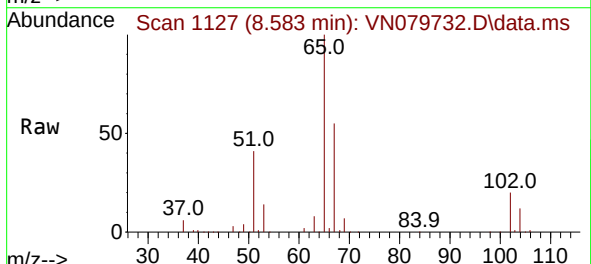
Instrument :  
MSVOA\_N  
ClientSampleId :  
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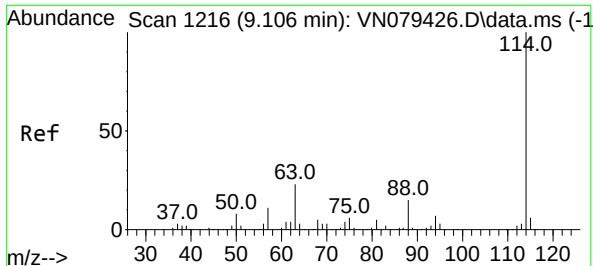
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 15483 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 101.0    | 79.7 119.5  |
| 51 27.2     | 25.2 37.8   |
| 86 45.4     | 53.3 79.9#  |



#33  
1,2-Dichloroethane-d4  
Concen: 59.975 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.001 min  
Lab File: VN079732.D  
Acq: 30 Oct 2023 19:06

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 234451 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 52.5     | 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: VN079732.D

Acq: 30 Oct 2023 19:06

Instrument :

MSVOA\_N

ClientSampleId :

348

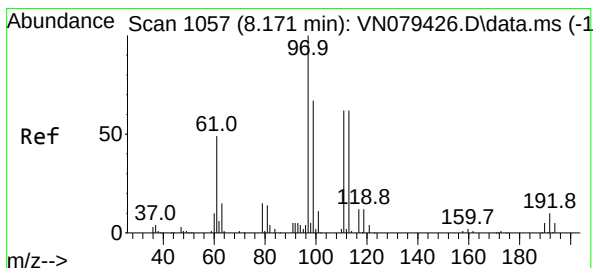
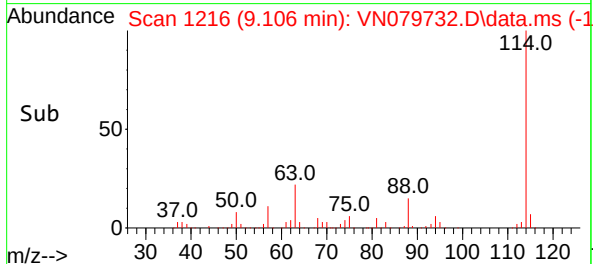
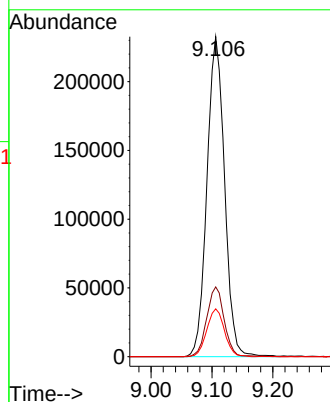
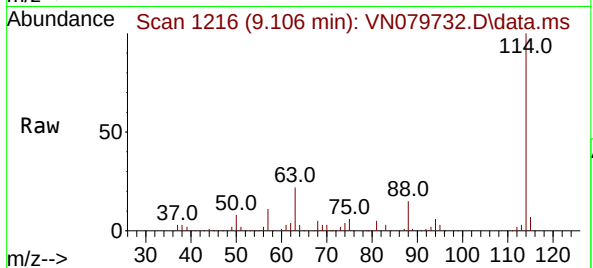
Tgt Ion:114 Resp: 467718

Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.006 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079732.D

Acq: 30 Oct 2023 19:06

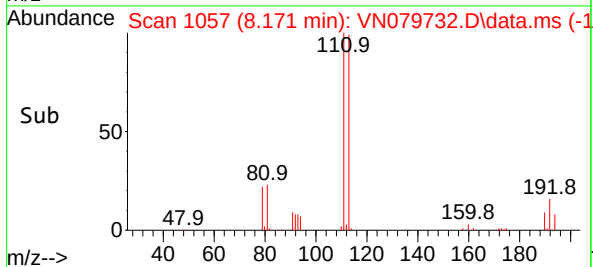
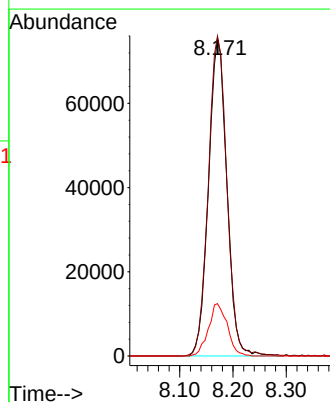
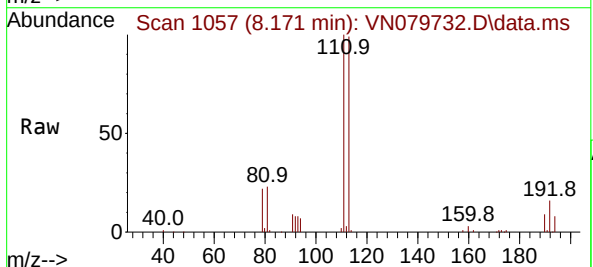
Tgt Ion:113 Resp: 180494

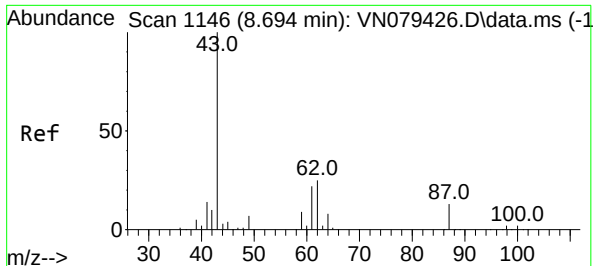
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 17.0 12.7 19.1

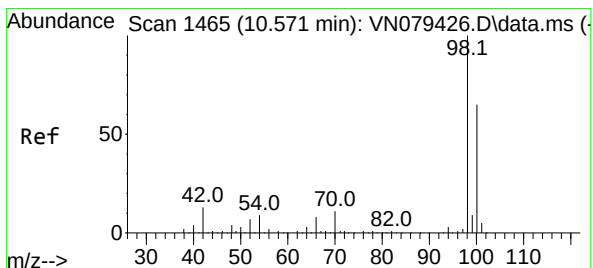
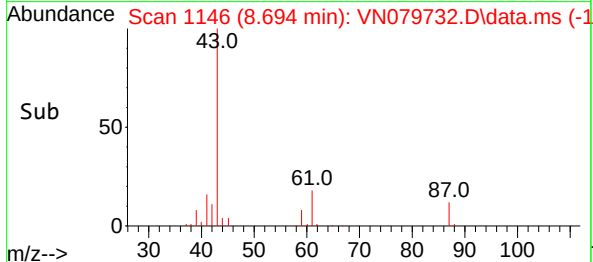
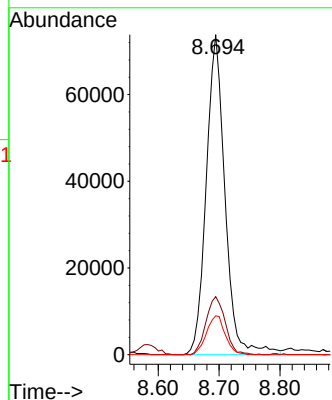
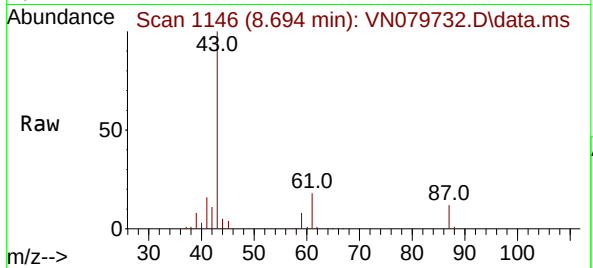




#43  
Isopropyl Acetate  
Concen: 20.129 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079732.D  
Acq: 30 Oct 2023 19:06

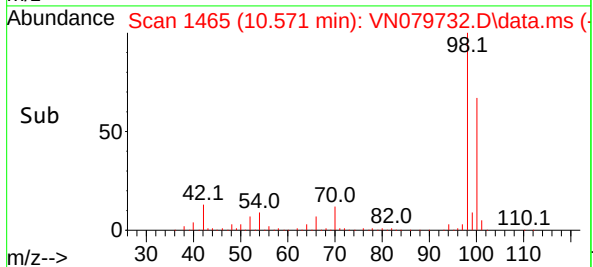
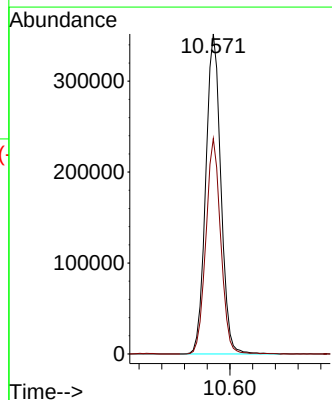
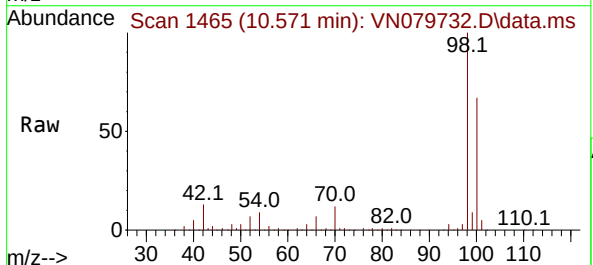
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MSVOA\_N  
ClientSampleId :  
348

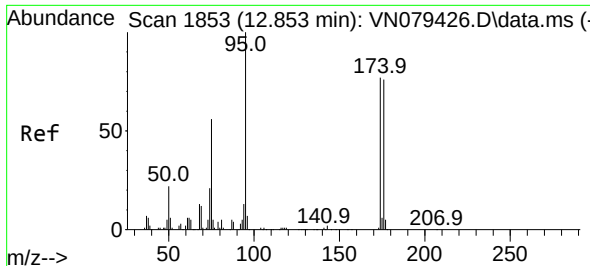
Tgt Ion: 43 Resp: 158142  
Ion Ratio Lower Upper  
43 100  
61 18.5 24.7 37.1#  
87 12.1 14.6 21.8#



#50  
Toluene-d8  
Concen: 51.963 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079732.D  
Acq: 30 Oct 2023 19:06

Tgt Ion: 98 Resp: 647394  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.0 78.0

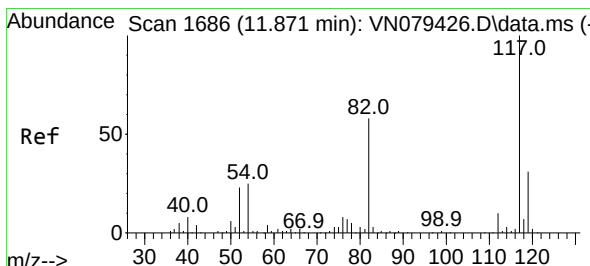
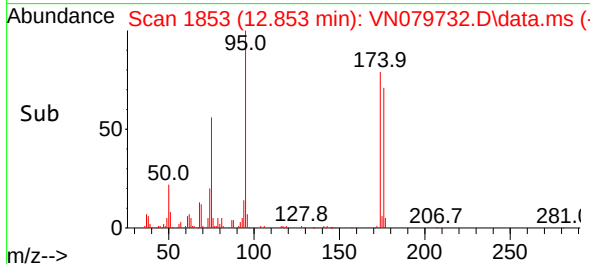
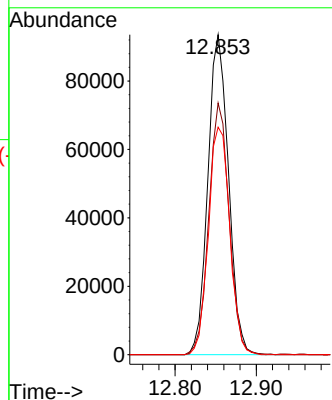
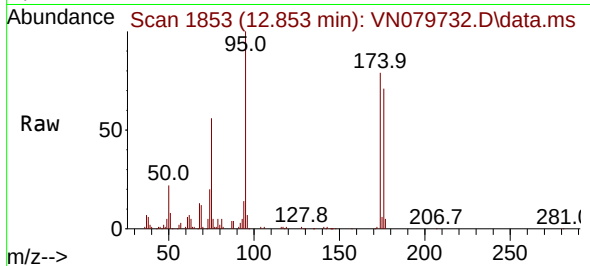




#62  
4-Bromofluorobenzene  
Concen: 42.012 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079732.D  
Acq: 30 Oct 2023 19:06

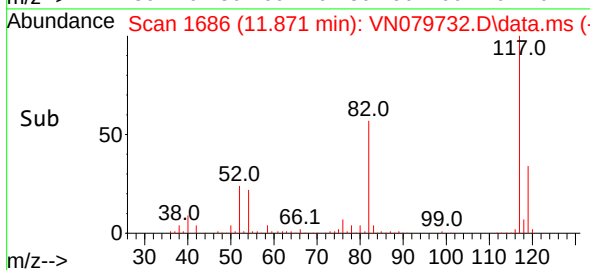
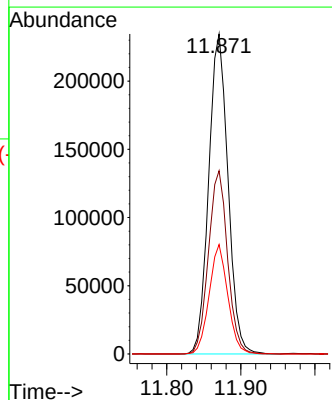
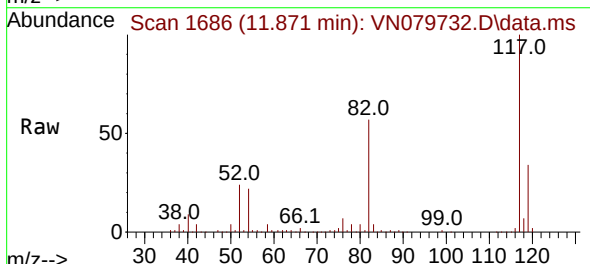
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MSVOA\_N  
ClientSampleId :  
348

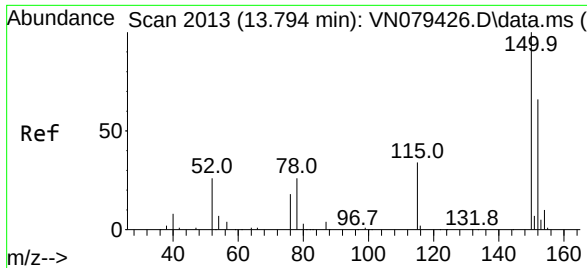
Tgt Ion: 95 Resp: 164830  
Ion Ratio Lower Upper  
95 100  
174 77.6 0.0 143.8  
176 73.7 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079732.D  
Acq: 30 Oct 2023 19:06

Tgt Ion: 117 Resp: 423359  
Ion Ratio Lower Upper  
117 100  
82 57.3 44.0 66.0  
119 34.2 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: VN079732.D  
 Acq: 30 Oct 2023 19:06

Instrument :  
 MSVOA\_N  
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 348

Tgt Ion:152 Resp: 108627  
 Ion Ratio Lower Upper  
 152 100  
 115 61.8 32.3 96.8  
 150 156.4 0.0 355.8

