

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100923\  
 Data File : VN079469.D  
 Acq On : 09 Oct 2023 13:59  
 Operator : JC\MD  
 Sample : 04765-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT-1

Quant Time: Oct 09 23:14:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

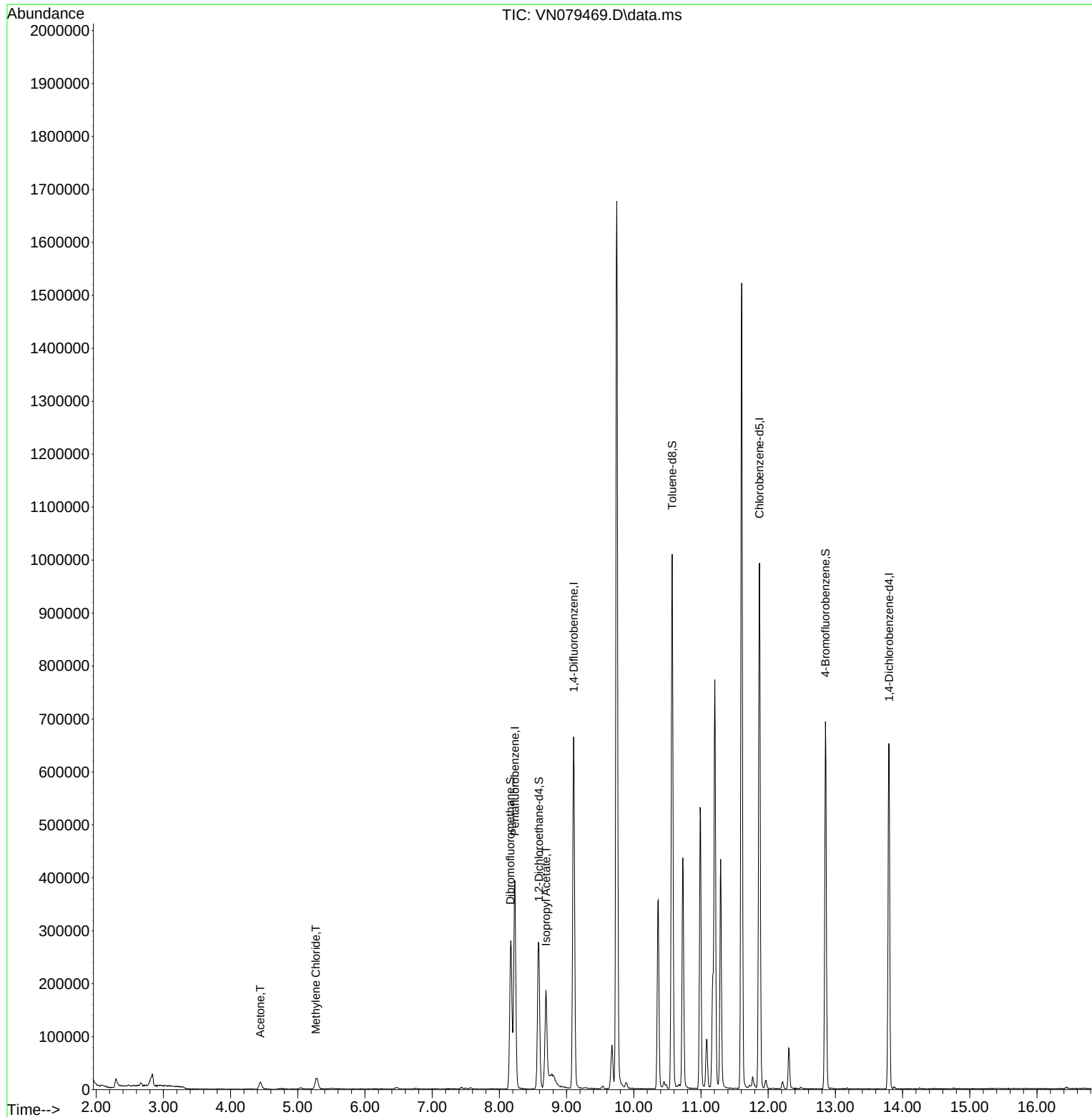
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.229     | 168   | 270274   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 545115   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.870    | 117   | 553813   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800    | 152   | 171782   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.588     | 65    | 228131   | 52.058   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 104.120% |          |
| 35) Dibromofluoromethane    | 8.165     | 113   | 197856   | 50.507   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 101.020% |          |
| 50) Toluene-d8              | 10.571    | 98    | 676216   | 47.707   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 95.420%  |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 227443   | 50.001   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 100.000% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.441     | 43    | 26347    | 15.158   | ug/l       | 91       |
| 20) Methylene Chloride      | 5.271     | 84    | 16713    | 3.835    | ug/l #     | 92       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 209126   | 20.404   | ug/l #     | 77       |
| -----                       |           |       |          |          |            |          |

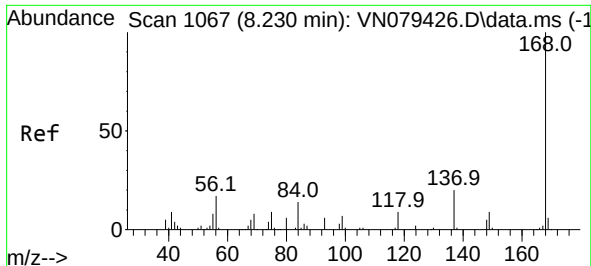
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Oct 06 03:34:49 2023  
Response via : Initial Calibration

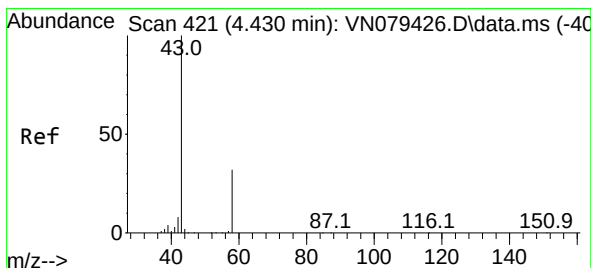
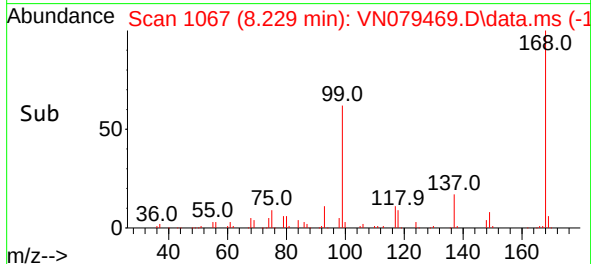
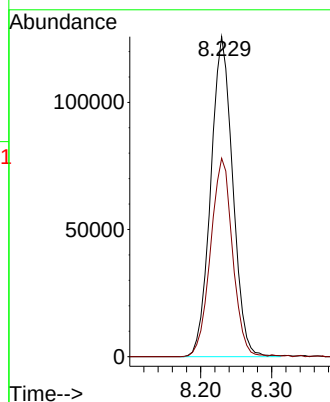
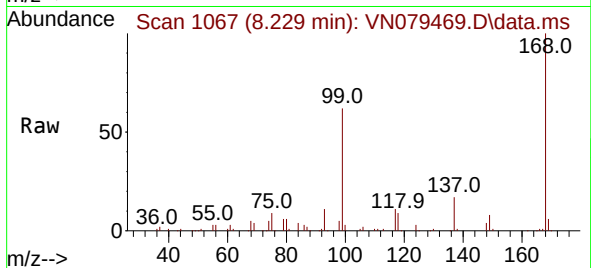




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN079469.D  
Acq: 09 Oct 2023 13:59

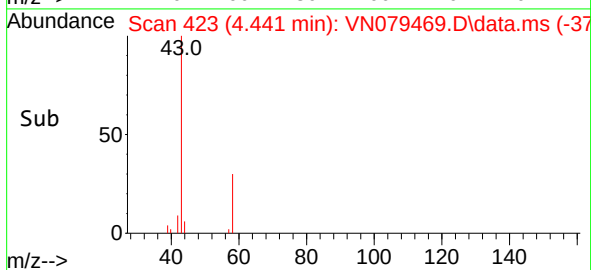
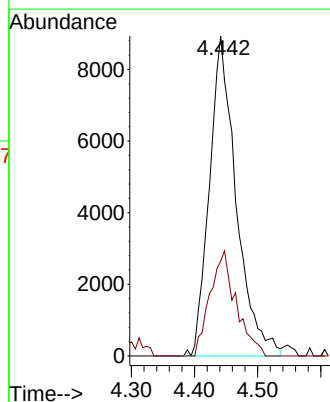
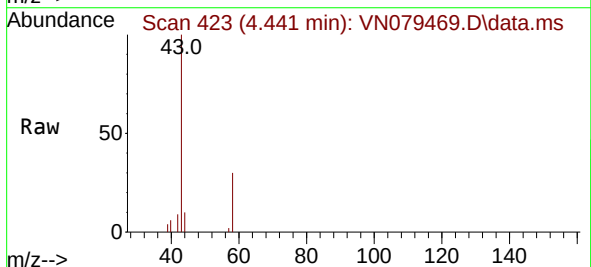
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT-1

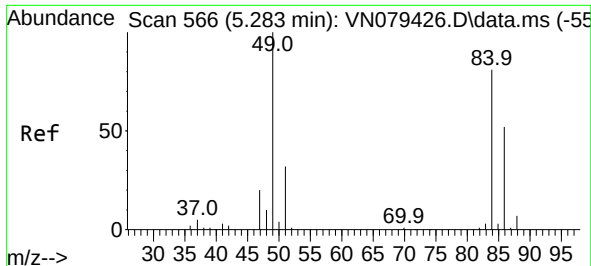
Tgt Ion:168 Resp: 270274  
Ion Ratio Lower Upper  
168 100  
99 62.0 53.0 79.6



#16  
Acetone  
Concen: 15.158 ug/l  
RT: 4.441 min Scan# 423  
Delta R.T. 0.011 min  
Lab File: VN079469.D  
Acq: 09 Oct 2023 13:59

Tgt Ion: 43 Resp: 26347  
Ion Ratio Lower Upper  
43 100  
58 29.7 28.0 42.0

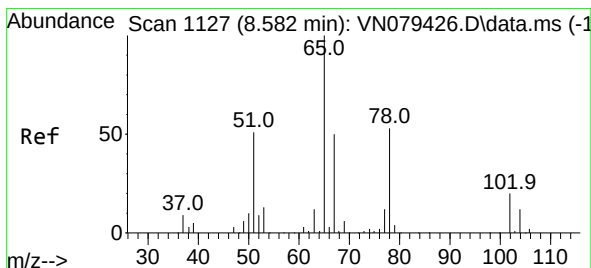
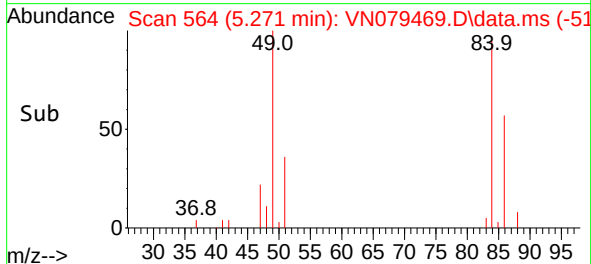
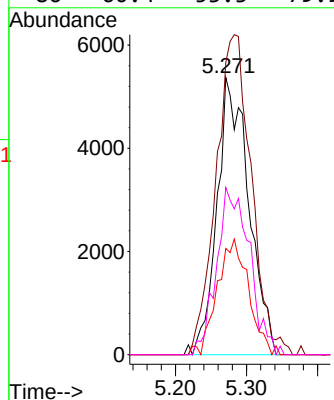
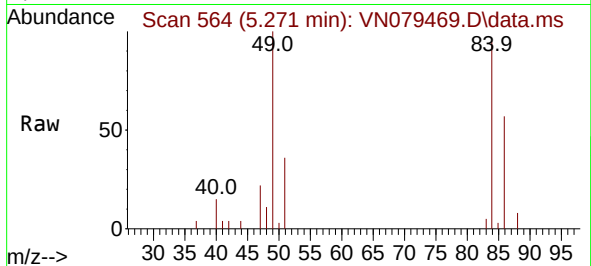




#20  
Methylene Chloride  
Concen: 3.835 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VN079469.D  
Acq: 09 Oct 2023 13:59

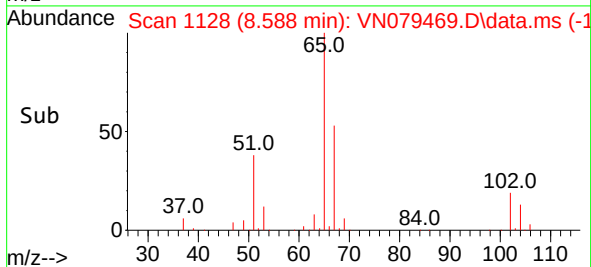
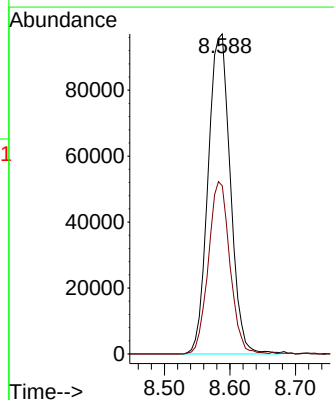
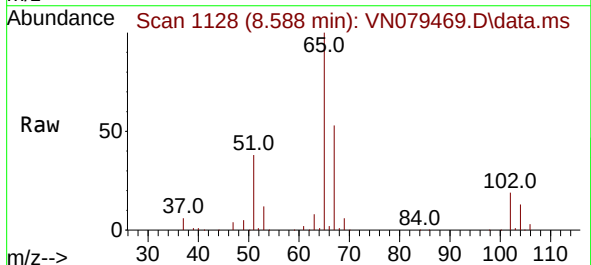
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT-1

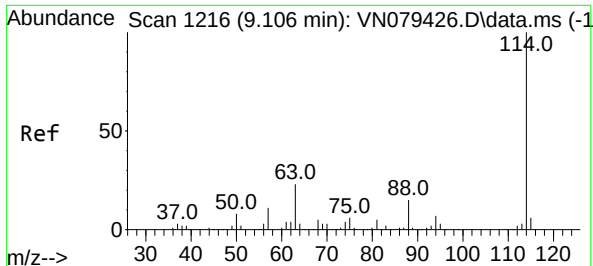
|             |             |       |       |
|-------------|-------------|-------|-------|
| Tgt Ion: 84 | Resp: 16713 |       |       |
| Ion         | Ratio       | Lower | Upper |
| 84          | 100         |       |       |
| 49          | 105.5       | 79.7  | 119.5 |
| 51          | 38.3        | 25.2  | 37.8# |
| 86          | 60.4        | 53.3  | 79.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 52.058 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN079469.D  
Acq: 09 Oct 2023 13:59

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 228131 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 52.2     | 0.0 106.6    |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA\_N

ClientSampleId :

TT-1

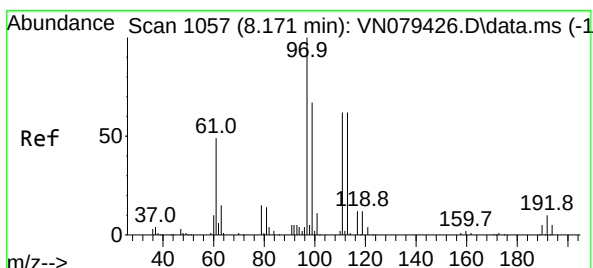
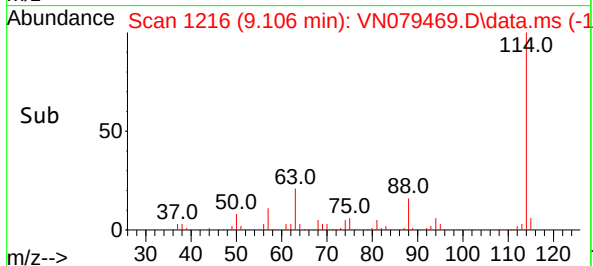
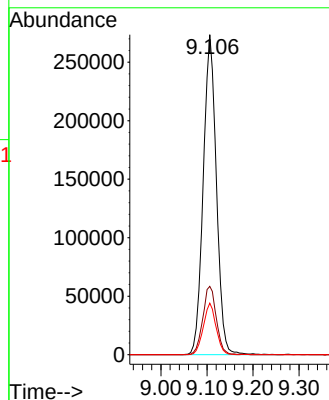
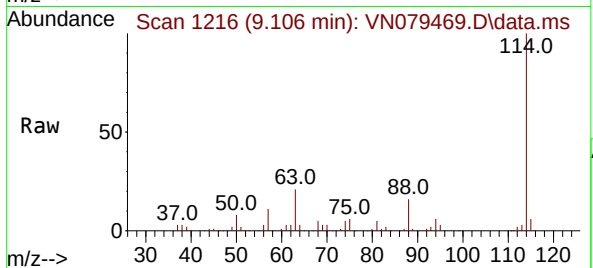
Tgt Ion:114 Resp: 545115

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.507 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

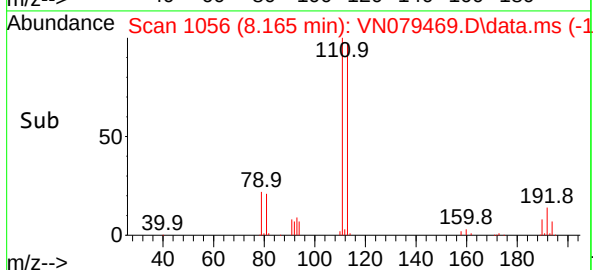
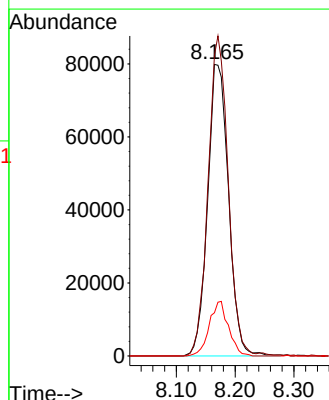
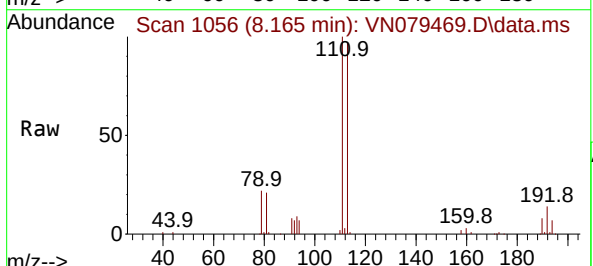
Tgt Ion:113 Resp: 197856

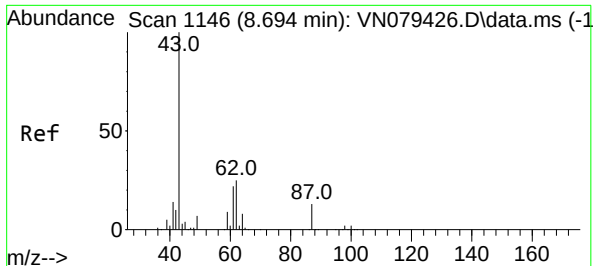
Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 17.1 12.7 19.1





#43

Isopropyl Acetate

Concen: 20.404 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA\_N

ClientSampleId :

TT-1

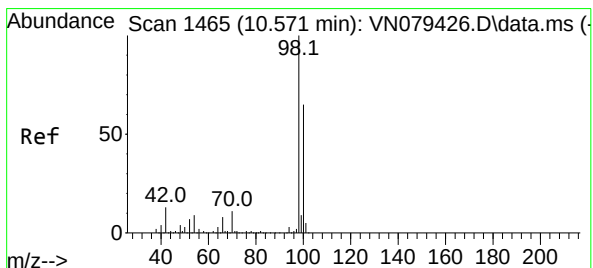
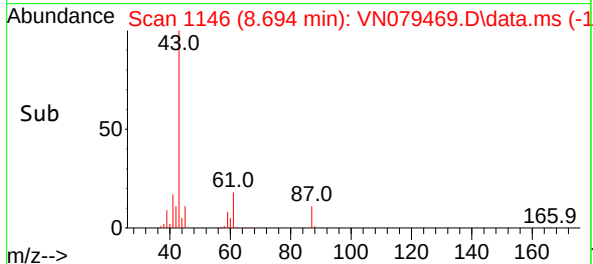
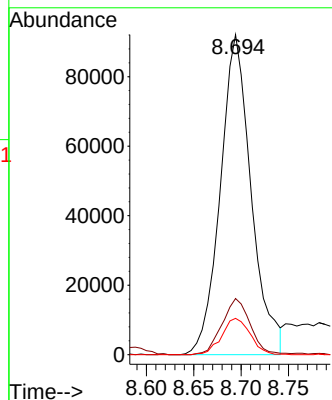
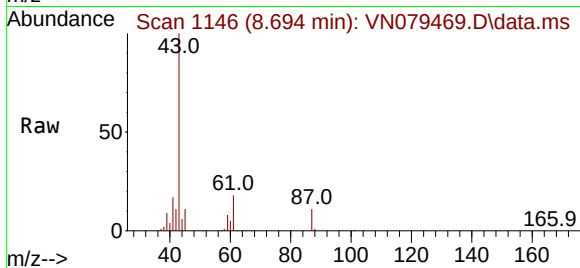
Tgt Ion: 43 Resp: 209126

Ion Ratio Lower Upper

43 100

61 16.2 24.7 37.1#

87 10.5 14.6 21.8#



#50

Toluene-d8

Concen: 47.707 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079469.D

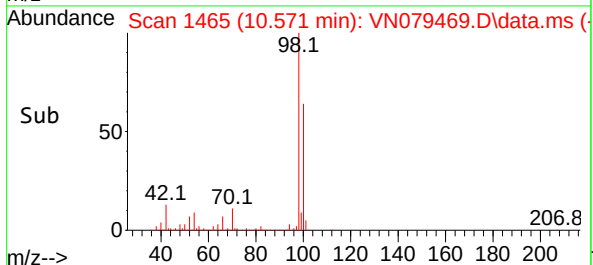
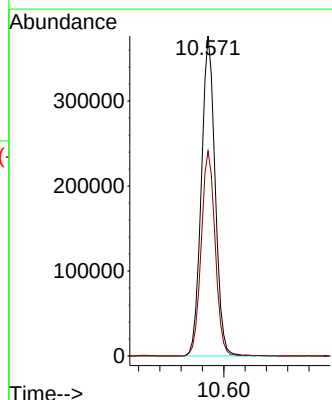
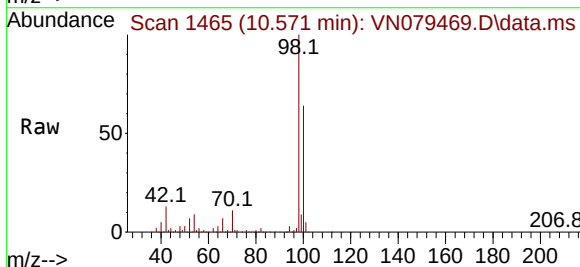
Acq: 09 Oct 2023 13:59

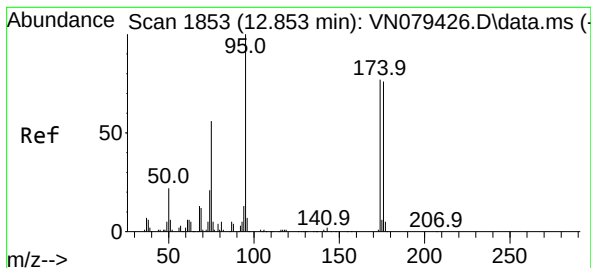
Tgt Ion: 98 Resp: 676216

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

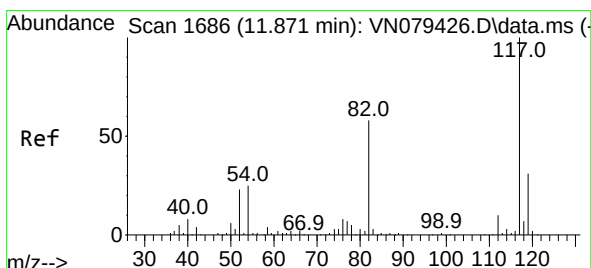
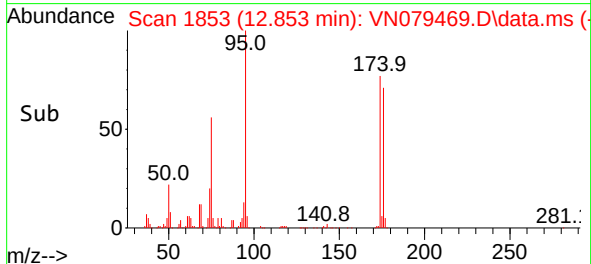
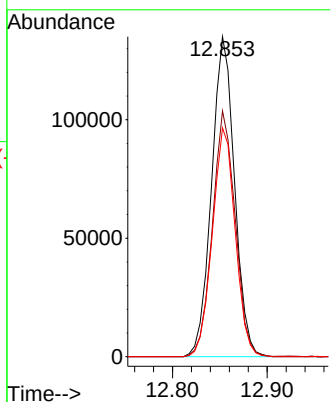
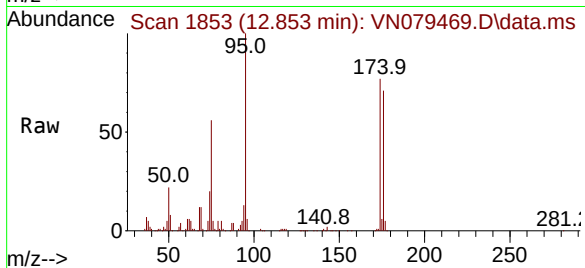




#62  
4-Bromofluorobenzene  
Concen: 50.001 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079469.D  
Acq: 09 Oct 2023 13:59

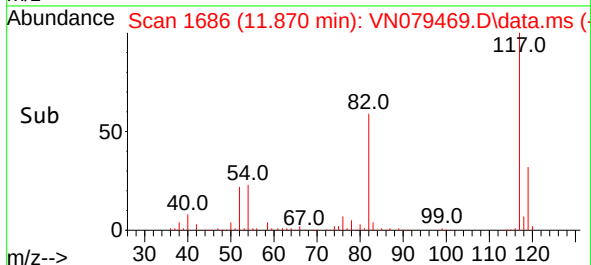
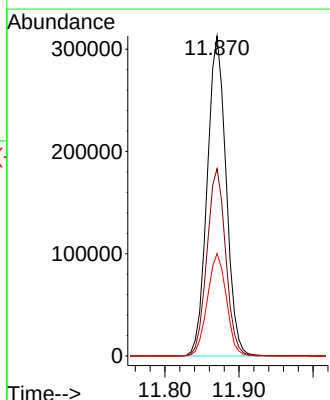
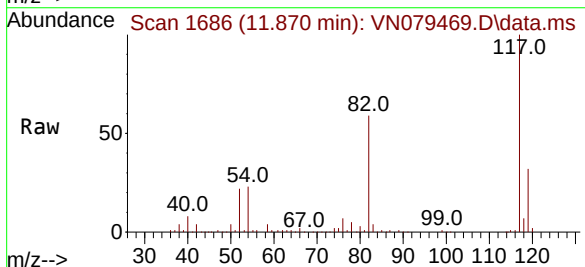
Instrument :  
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TT-1

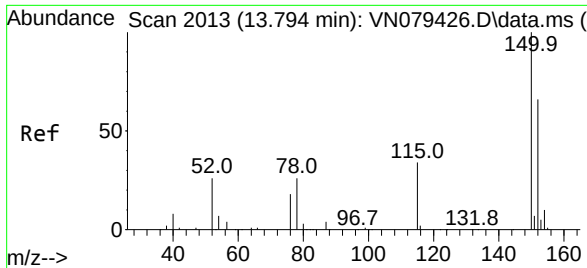
Tgt Ion: 95 Resp: 227443  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 143.8  
176 71.1 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079469.D  
Acq: 09 Oct 2023 13:59

Tgt Ion: 117 Resp: 553813  
Ion Ratio Lower Upper  
117 100  
82 58.6 44.0 66.0  
119 32.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN079469.D

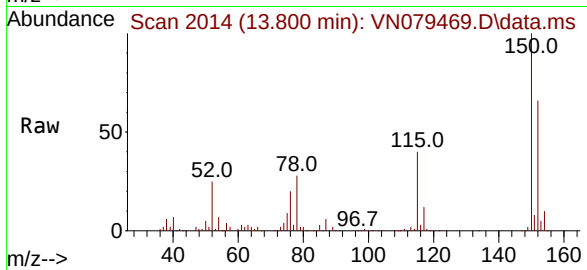
Acq: 09 Oct 2023 13:59

Instrument :

MSVOA\_N

ClientSampleId :

TT-1



Tgt Ion:152 Resp: 171782

Ion Ratio Lower Upper

152 100

115 61.9 32.3 96.8

150 156.7 0.0 355.8

