

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112223\  
 Data File : VN080246.D  
 Acq On : 22 Nov 2023 14:30  
 Operator : JC\MD  
 Sample : 05518-04 20X  
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1109

Quant Time: Nov 23 00:21:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
 Response via : Initial Calibration

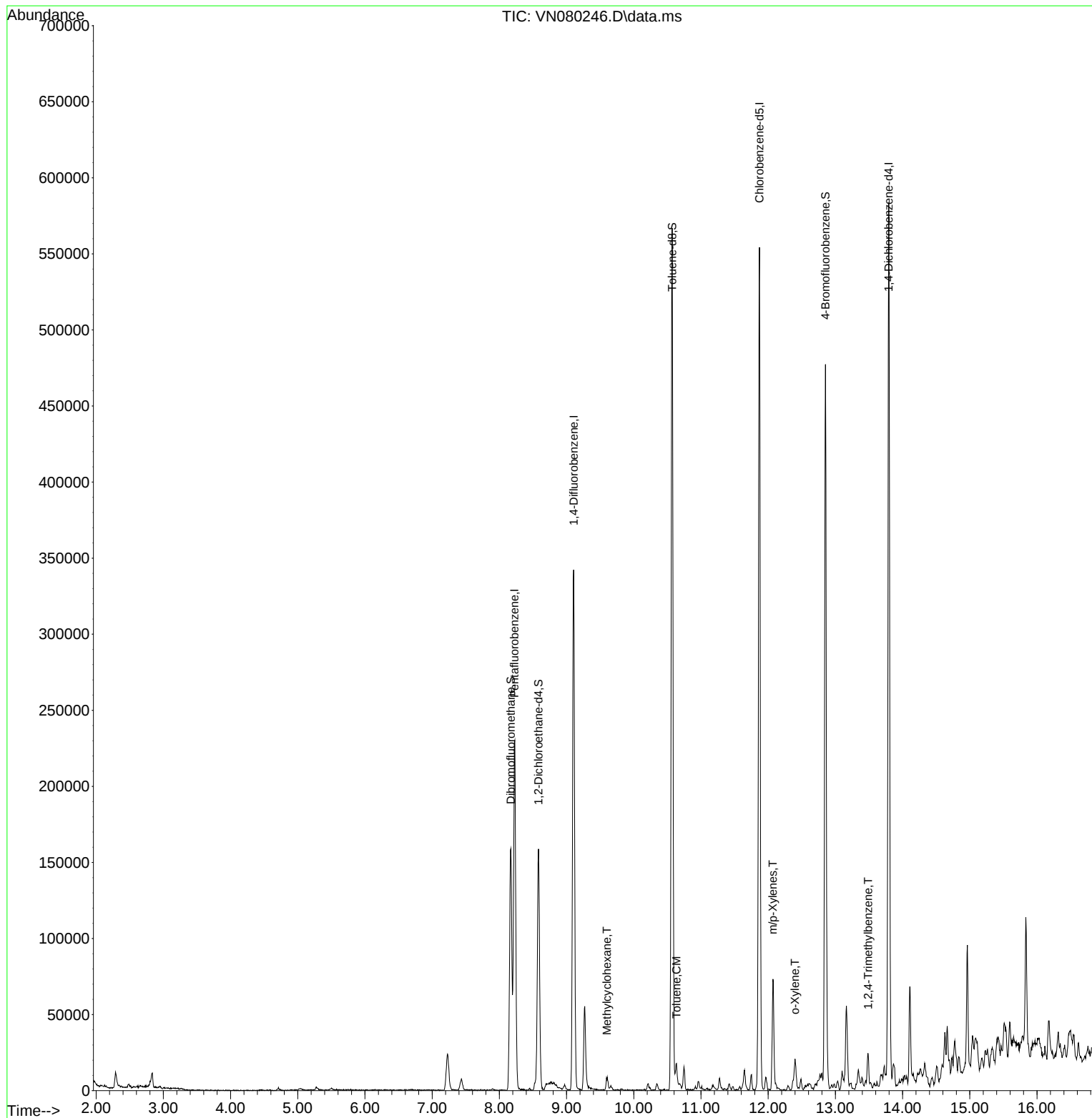
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 159994              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 291639              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870         | 117  | 315428              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 149636              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582          | 65   | 146376              | 55.409 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 110.820% |        |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 111893              | 51.997 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 104.000% |        |        |          |
| 50) Toluene-d8              | 10.570         | 98   | 389988              | 50.274 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 100.540% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 160948              | 54.931 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 109.860% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        | Qvalue   |
| 39) Methylcyclohexane       | 9.600          | 83   | 3333                | 1.110  | ug/l # | 87       |
| 52) Toluene                 | 10.635         | 92   | 6974                | 1.259  | ug/l   | 97       |
| 68) m/p-Xylenes             | 12.070         | 106  | 12519               | 2.700  | ug/l   | 83       |
| 69) o-Xylene                | 12.400         | 106  | 4599                | 1.052  | ug/l   | 80       |
| 84) 1,2,4-Trimethylbenzene  | 13.488         | 105  | 14383               | 1.443  | ug/l   | 96       |
| -----                       |                |      |                     |        |        |          |

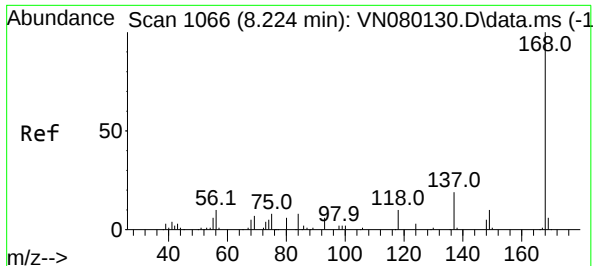
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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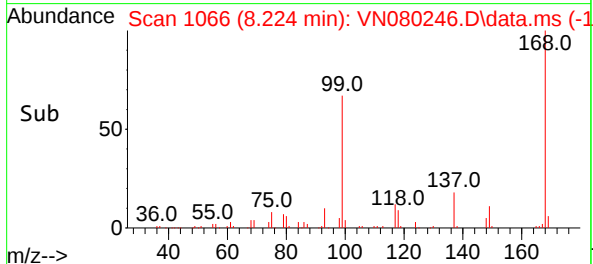
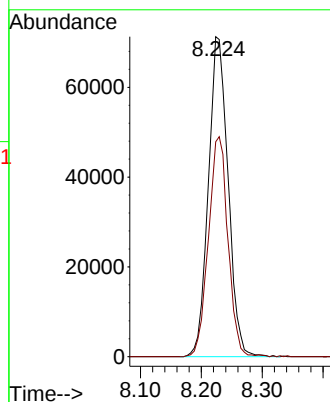
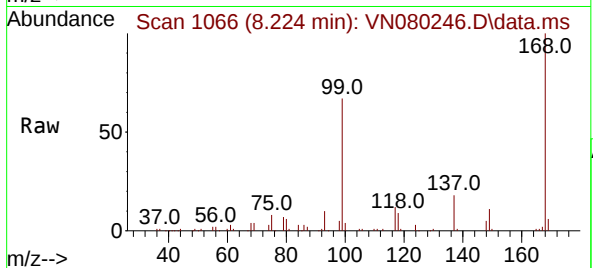




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN080246.D  
Acq: 22 Nov 2023 14:30

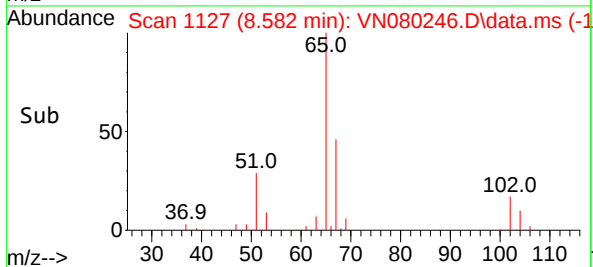
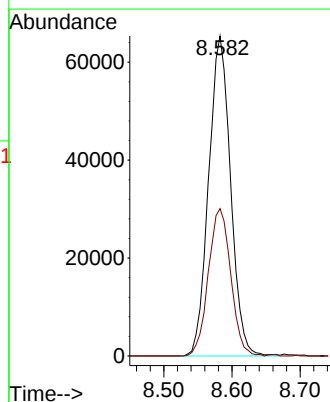
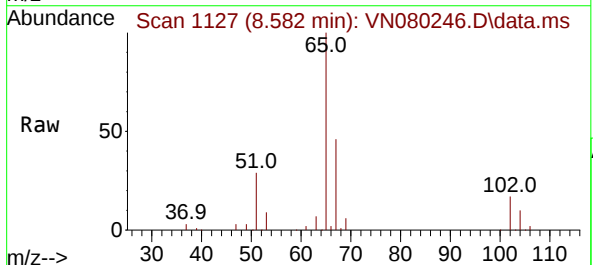
Instrument :  
MSVOA\_N  
ClientSampleId :  
1109

Tgt Ion:168 Resp: 159994  
Ion Ratio Lower Upper  
168 100  
99 67.2 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 55.409 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN080246.D  
Acq: 22 Nov 2023 14:30

Tgt Ion: 65 Resp: 146376  
Ion Ratio Lower Upper  
65 100  
67 47.0 0.0 106.6

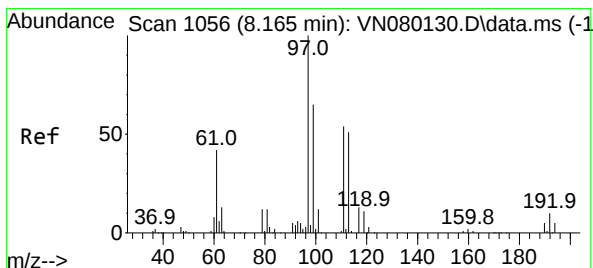
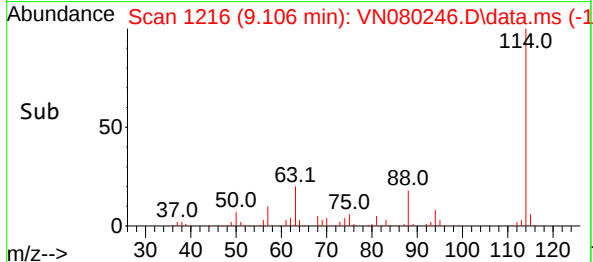
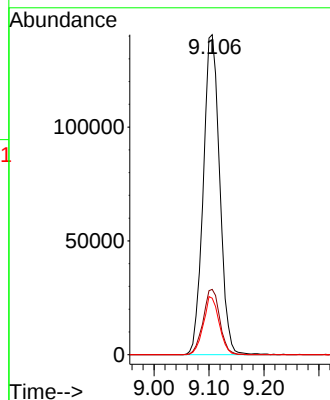
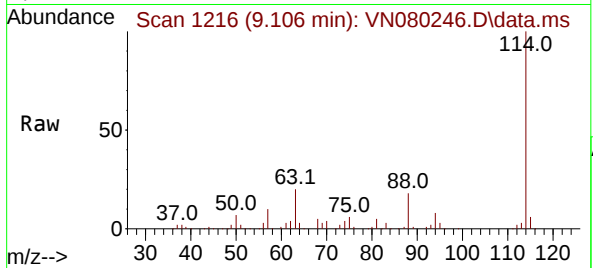




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VN080246.D  
Acq: 22 Nov 2023 14:30

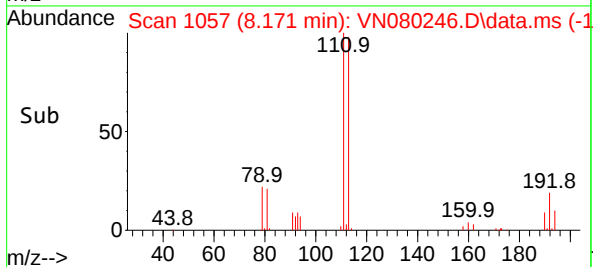
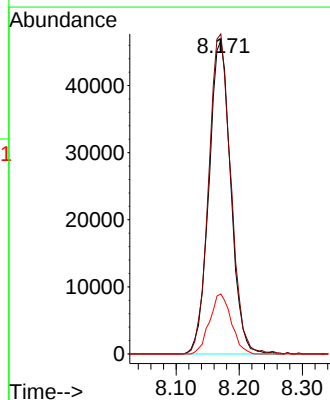
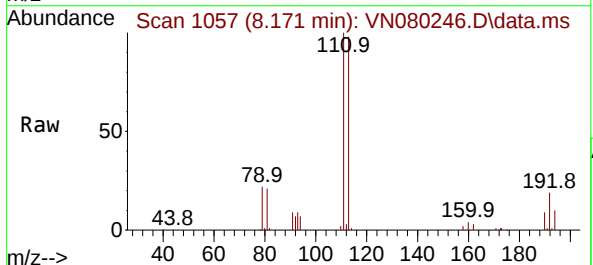
Instrument :  
MSVOA\_N  
ClientSampleId :  
1109

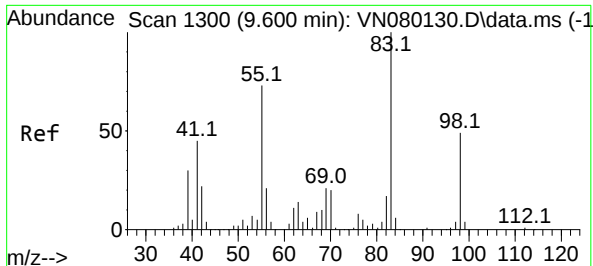
Tgt Ion:114 Resp: 291639  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 36.4  
88 17.7 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 51.997 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN080246.D  
Acq: 22 Nov 2023 14:30

Tgt Ion:113 Resp: 111893  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.6 123.8  
192 19.0 12.7 19.1





#39

Methylcyclohexane

Concen: 1.110 ug/l

RT: 9.600 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN080246.D

Acq: 22 Nov 2023 14:30

Instrument :

MSVOA\_N

ClientSampleId :

1109

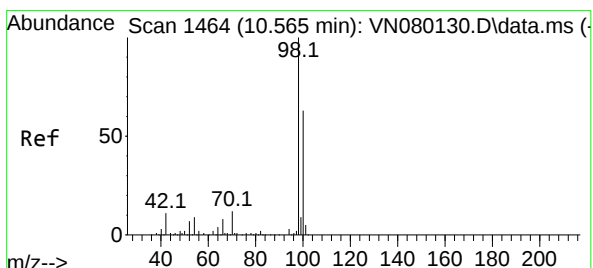
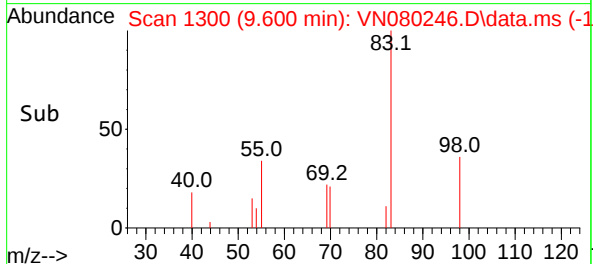
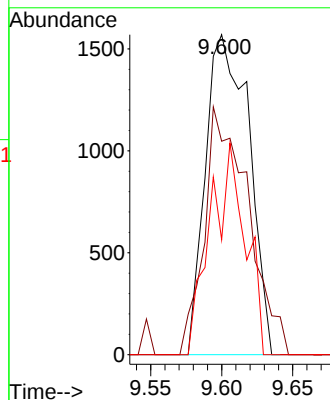
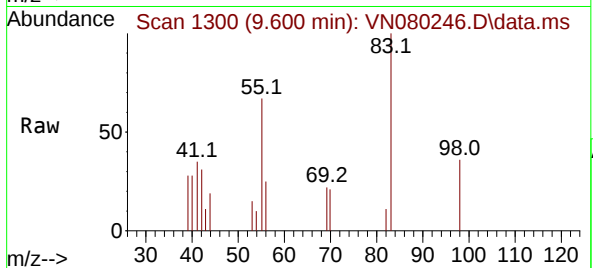
Tgt Ion: 83 Resp: 3333

Ion Ratio Lower Upper

83 100

55 66.7 49.1 73.7

98 35.9 40.6 61.0#



#50

Toluene-d8

Concen: 50.274 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080246.D

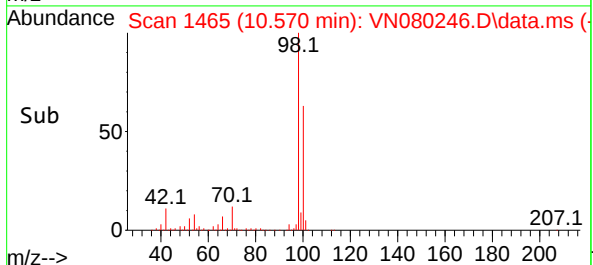
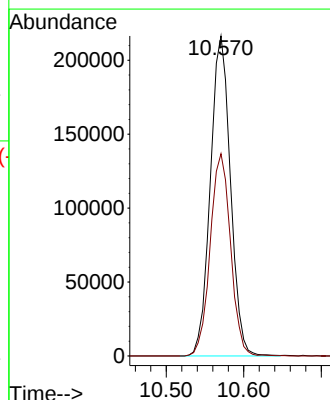
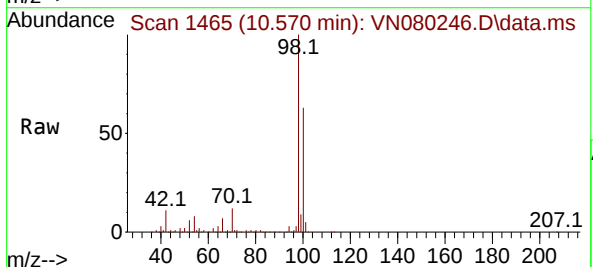
Acq: 22 Nov 2023 14:30

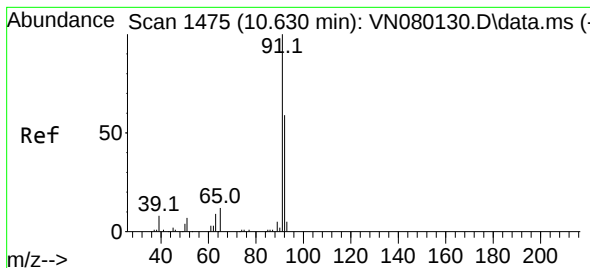
Tgt Ion: 98 Resp: 389988

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0





#52

Toluene

Concen: 1.259 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN080246.D

Acq: 22 Nov 2023 14:30

Instrument :

MSVOA\_N

ClientSampleId :

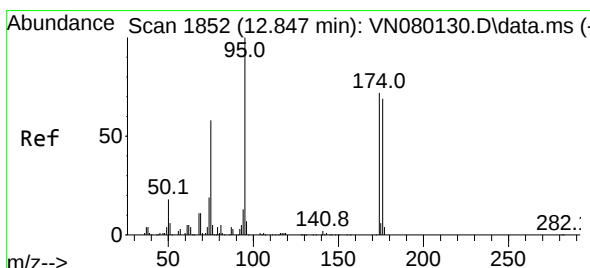
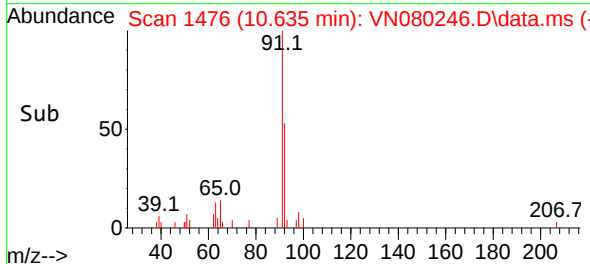
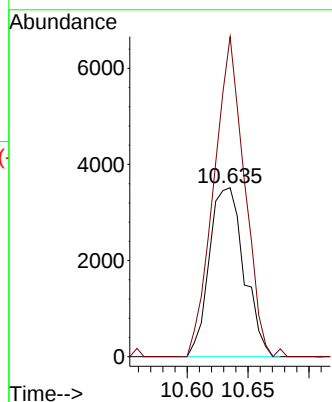
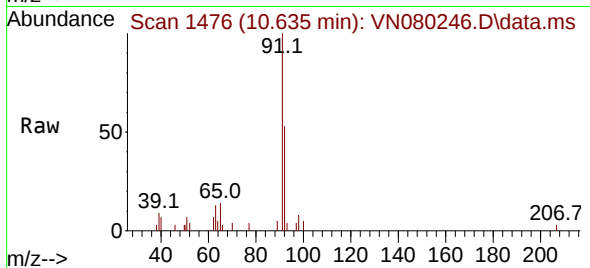
1109

Tgt Ion: 92 Resp: 6974

Ion Ratio Lower Upper

92 100

91 167.2 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 54.931 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080246.D

Acq: 22 Nov 2023 14:30

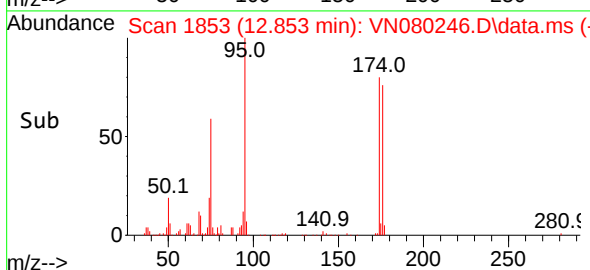
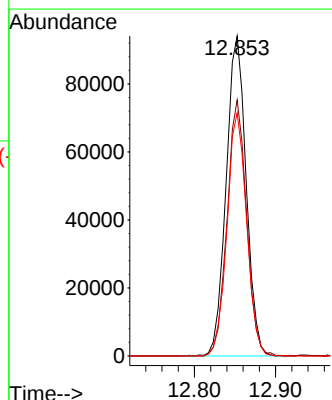
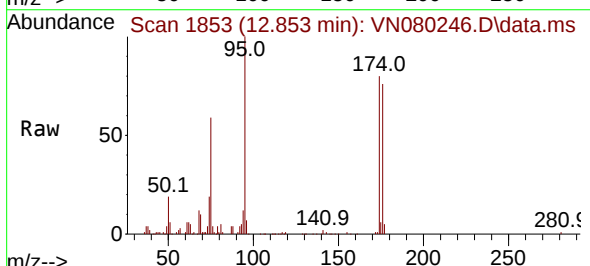
Tgt Ion: 95 Resp: 160948

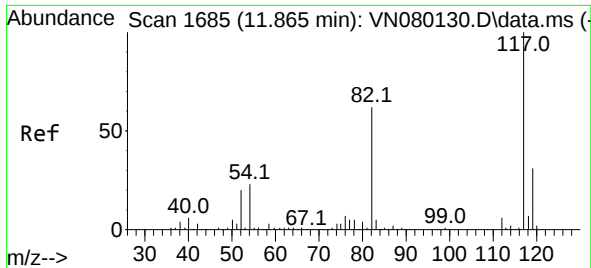
Ion Ratio Lower Upper

95 100

174 77.7 0.0 143.8

176 74.4 0.0 135.8

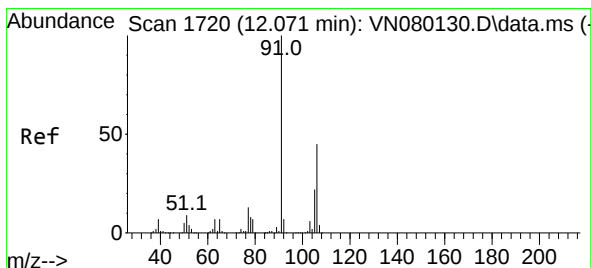
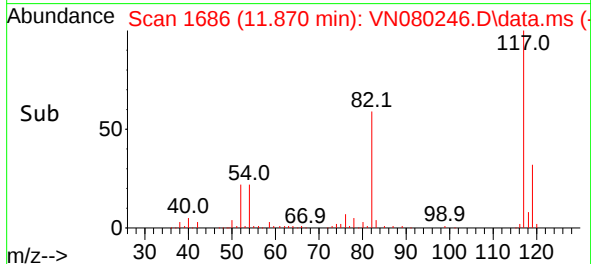
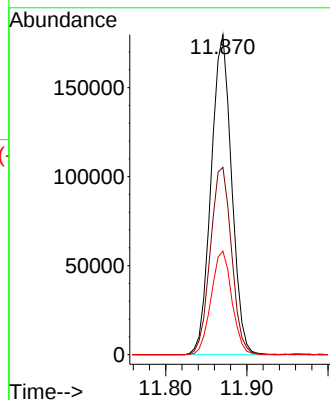
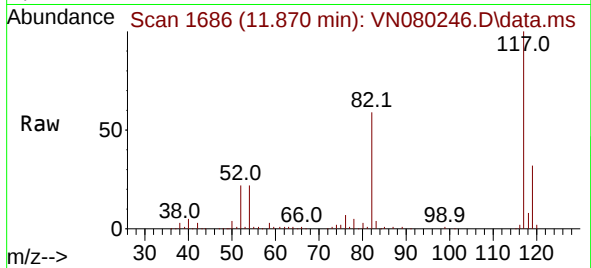




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1109  
Delta R.T. 0.006 min  
Lab File: VN080246.D  
Acq: 22 Nov 2023 14:30

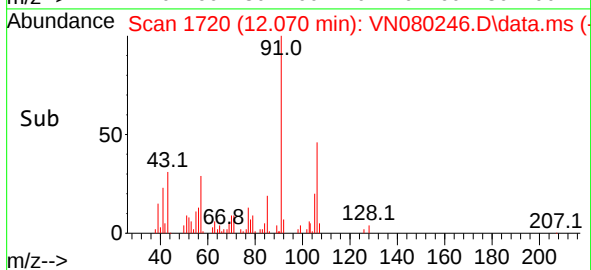
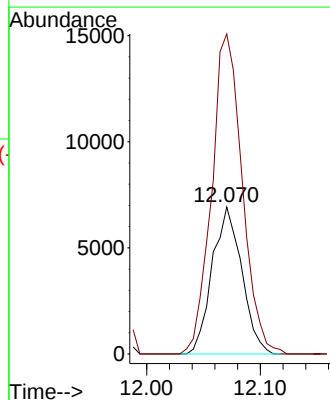
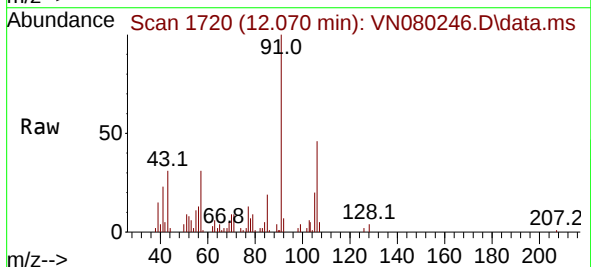
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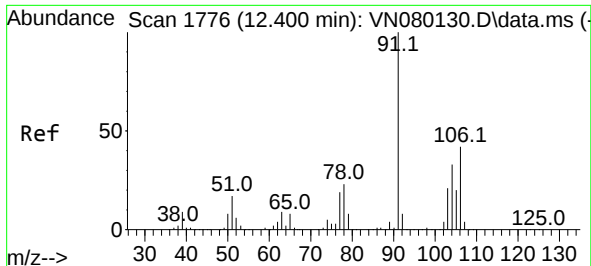
Tgt Ion:117 Resp: 315428  
Ion Ratio Lower Upper  
117 100  
82 58.6 44.0 66.0  
119 32.4 25.6 38.4



#68  
m/p-Xylenes  
Concen: 2.700 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN080246.D  
Acq: 22 Nov 2023 14:30

Tgt Ion:106 Resp: 12519  
Ion Ratio Lower Upper  
106 100  
91 225.3 159.6 239.4

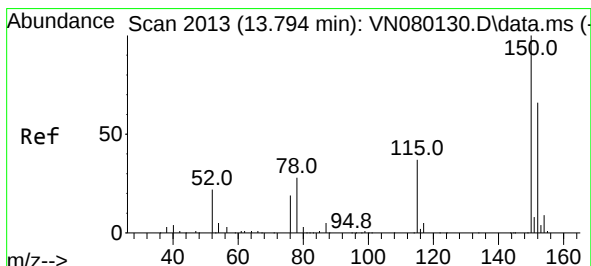
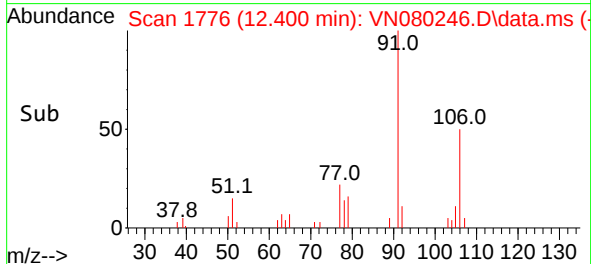
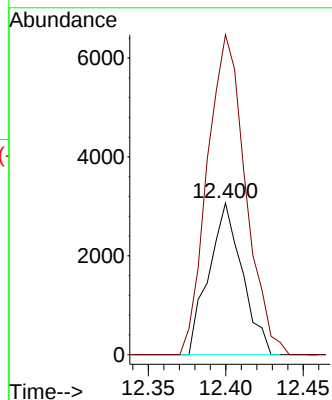
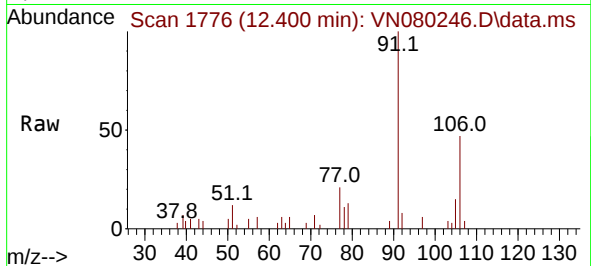




#69  
o-Xylene  
Concen: 1.052 ug/l  
RT: 12.400 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VN080246.D  
Acq: 22 Nov 2023 14:30

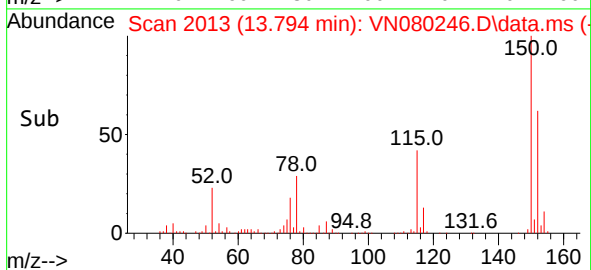
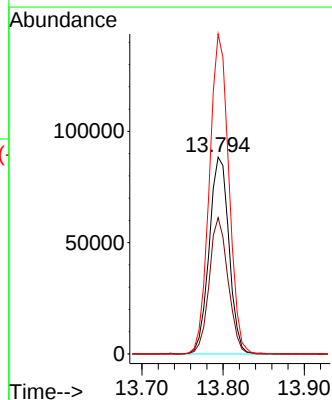
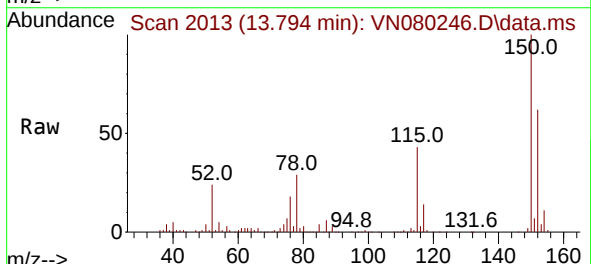
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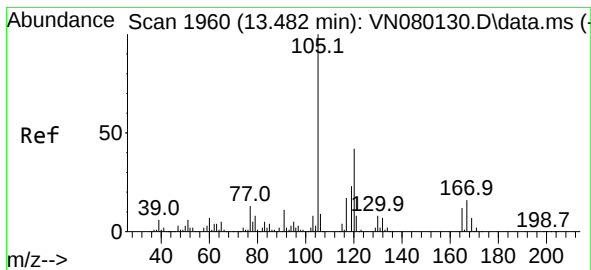
Tgt Ion:106 Resp: 4599  
Ion Ratio Lower Upper  
106 100  
91 241.7 105.2 315.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN080246.D  
Acq: 22 Nov 2023 14:30

Tgt Ion:152 Resp: 149636  
Ion Ratio Lower Upper  
152 100  
115 66.0 32.3 96.8  
150 159.6 0.0 355.8





#84

1,2,4-Trimethylbenzene

Concen: 1.443 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN080246.D

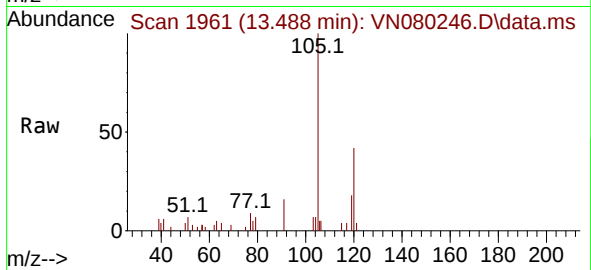
Acq: 22 Nov 2023 14:30

Instrument :

MSVOA\_N

ClientSampleId :

1109



Tgt Ion:105 Resp: 14383

Ion Ratio Lower Upper

105 100

120 41.2 22.0 66.0

