

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122822\  
 Data File : VN076012.D  
 Acq On : 28 Dec 2022 20:08  
 Operator : JC\MD  
 Sample : N6219-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RB-21147

Quant Time: Dec 29 04:57:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

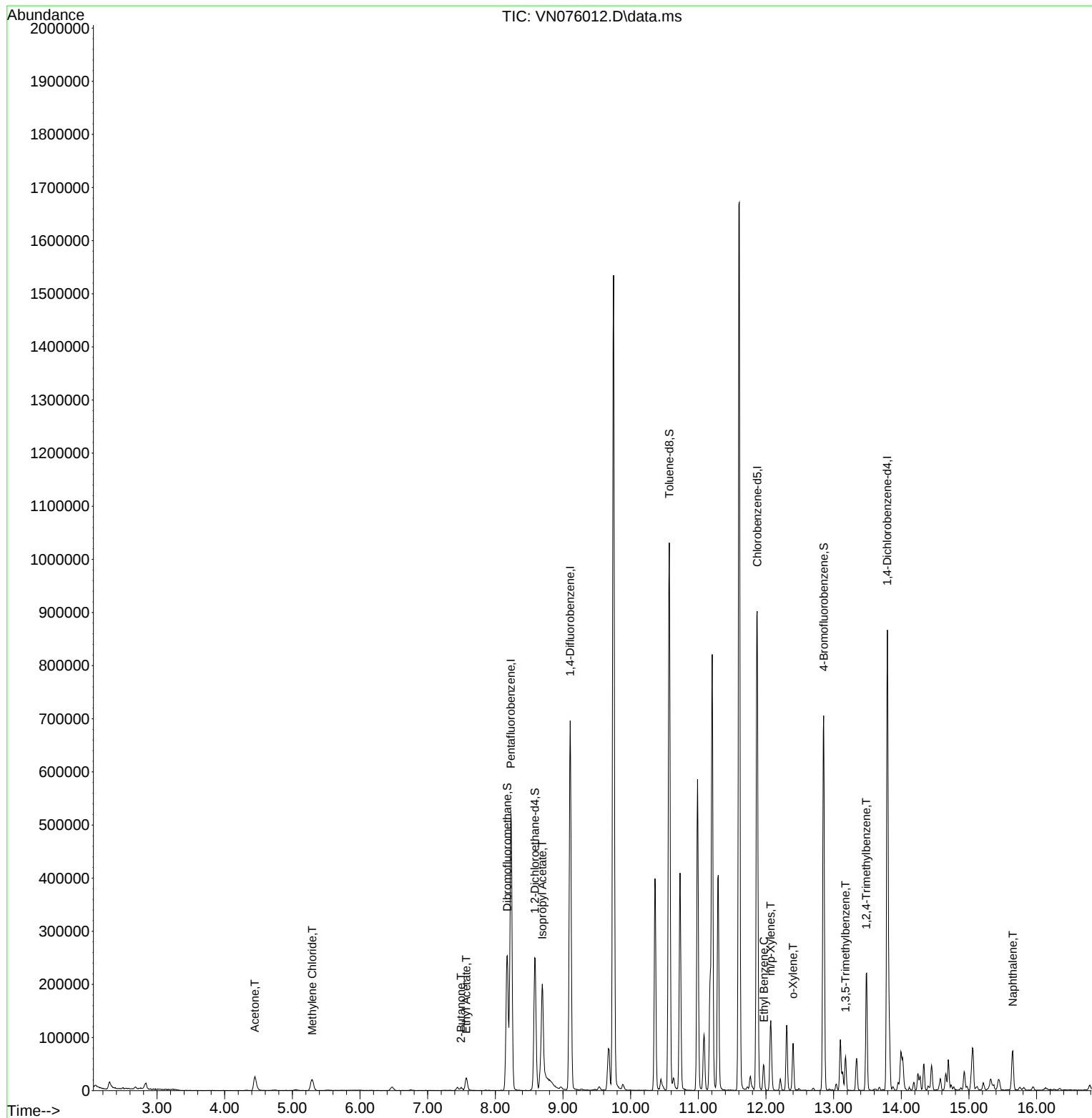
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 406645   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 643623   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 572542   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 241545   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 201419   | 45.530   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 91.060%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 185532   | 46.547   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 93.100%  |
| 50) Toluene-d8              | 10.571 | 98    | 746757   | 50.109   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 100.220% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 238693   | 48.358   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 96.720%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.448  | 43    | 50078    | 32.838   | ug/l   | 97       |
| 20) Methylene Chloride      | 5.295  | 84    | 17743    | 3.757    | ug/l   | 95       |
| 25) 2-Butanone              | 7.494  | 43    | 8252     | 3.865    | ug/l   | 99       |
| 37) Ethyl Acetate           | 7.571  | 43    | 33139    | 7.792    | ug/l   | 96       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 258929   | 36.907   | ug/l # | 78       |
| 67) Ethyl Benzene           | 11.971 | 91    | 23207    | 1.170    | ug/l   | 96       |
| 68) m/p-Xylenes             | 12.071 | 106   | 46073    | 5.869    | ug/l   | 96       |
| 69) o-Xylene                | 12.400 | 106   | 25698    | 3.308    | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 13.176 | 105   | 36324    | 2.486    | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.482 | 105   | 132035   | 9.110    | ug/l   | 100      |
| 95) Naphthalene             | 15.647 | 128   | 74608    | 7.606    | ug/l   | 100      |
| -----                       |        |       |          |          |        |          |

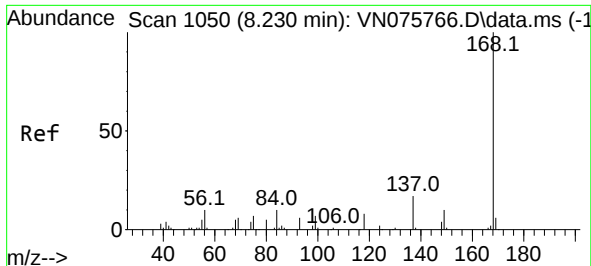
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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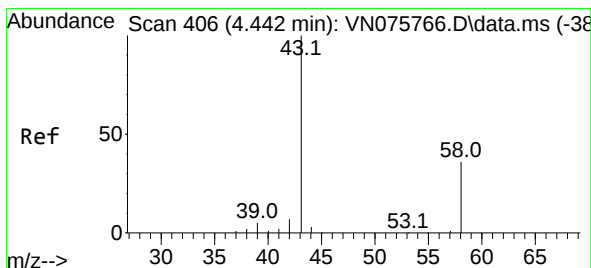
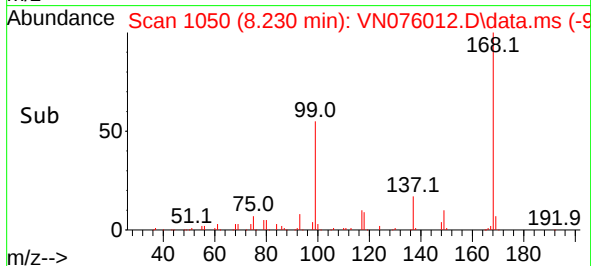
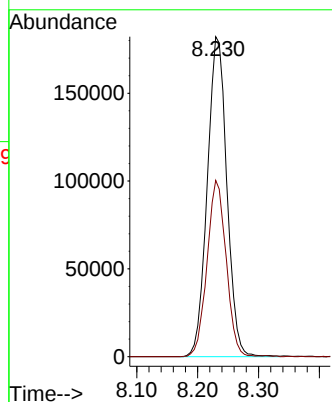
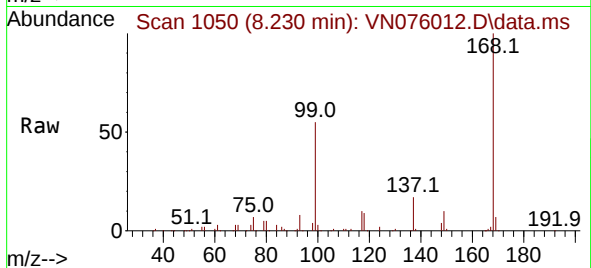




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

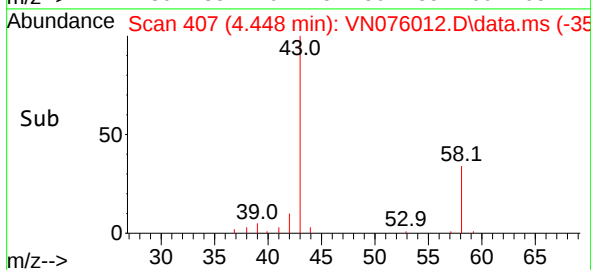
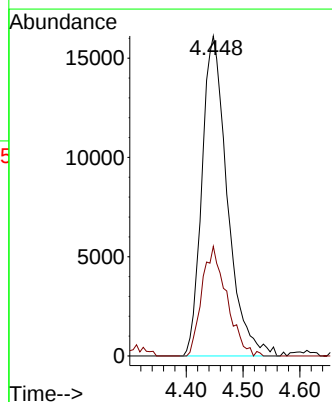
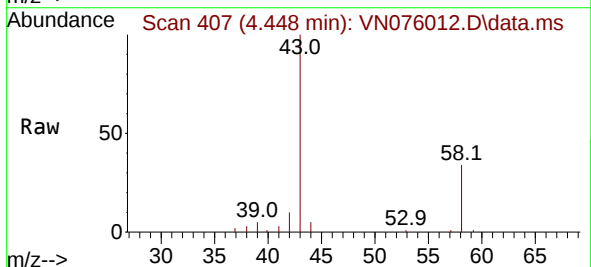
Instrument :  
MSVOA\_N  
ClientSampleId :  
RB-21147

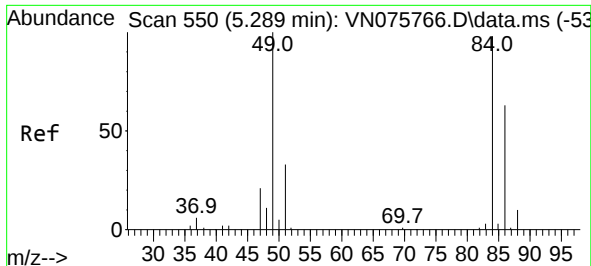
Tgt Ion:168 Resp: 406645  
Ion Ratio Lower Upper  
168 100  
99 55.1 44.2 66.4



#16  
Acetone  
Concen: 32.838 ug/l  
RT: 4.448 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

Tgt Ion: 43 Resp: 50078  
Ion Ratio Lower Upper  
43 100  
58 34.2 28.6 43.0

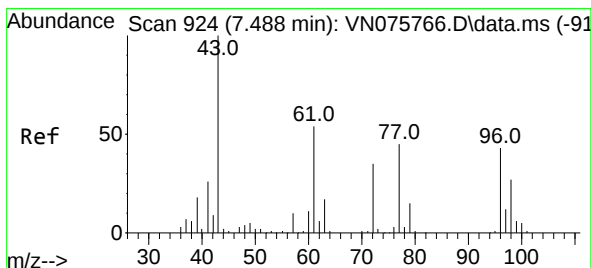
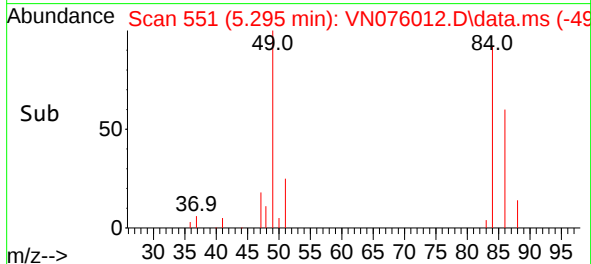
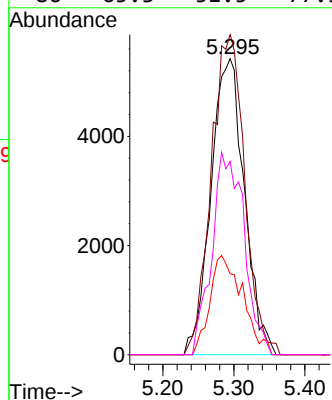
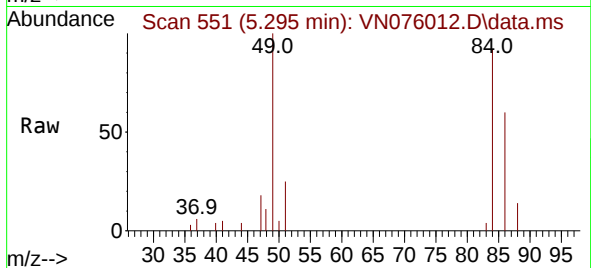




#20  
Methylene Chloride  
Concen: 3.757 ug/l  
RT: 5.295 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

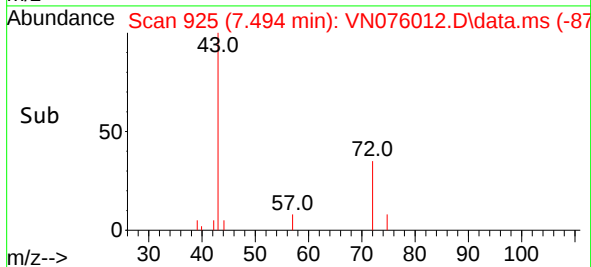
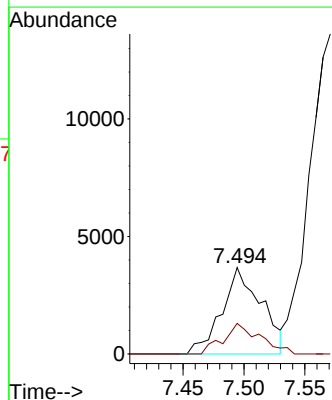
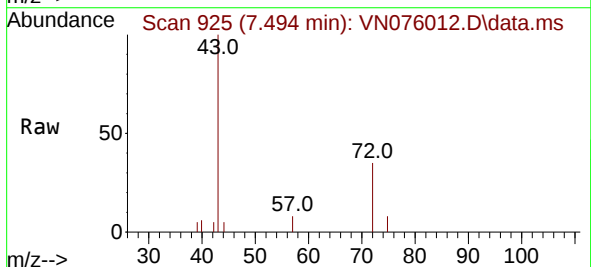
Instrument :  
MSVOA\_N  
ClientSampleId :  
RB-21147

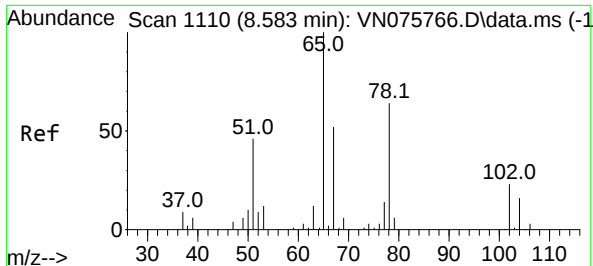
|             |             |       |       |
|-------------|-------------|-------|-------|
| Tgt Ion: 84 | Resp: 17743 |       |       |
| Ion         | Ratio       | Lower | Upper |
| 84          | 100         |       |       |
| 49          | 108.1       | 81.8  | 122.6 |
| 51          | 27.3        | 26.7  | 40.1  |
| 86          | 65.3        | 51.5  | 77.3  |



#25  
2-Butanone  
Concen: 3.865 ug/l  
RT: 7.494 min Scan# 925  
Delta R.T. 0.006 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 43 | Resp: 8252 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 43 100      |            |       |  |
| 72 35.3     | 28.0       | 42.0  |  |





#33

1,2-Dichloroethane-d4

Concen: 45.530 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076012.D

Acq: 28 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

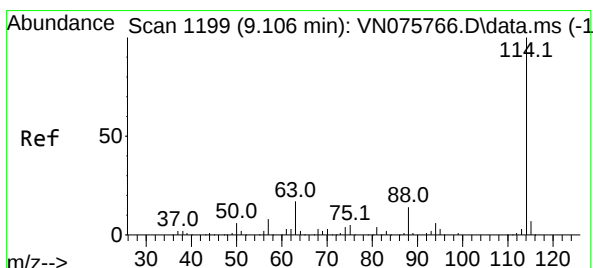
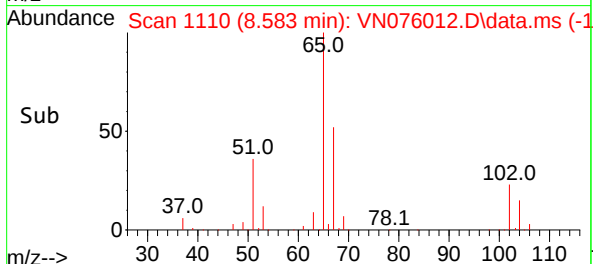
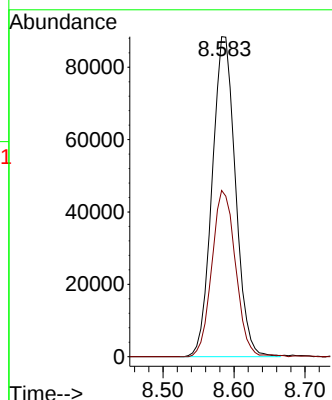
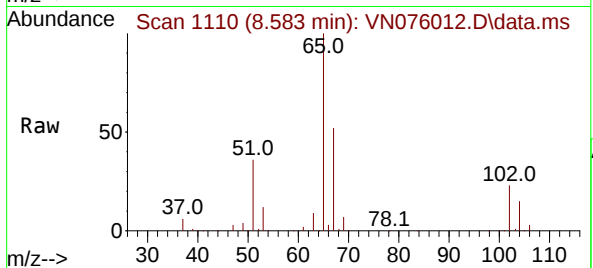
RB-21147

Tgt Ion: 65 Resp: 201419

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076012.D

Acq: 28 Dec 2022 20:08

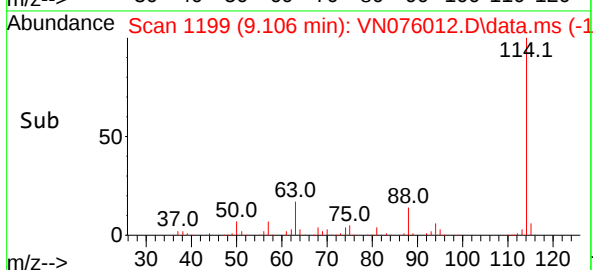
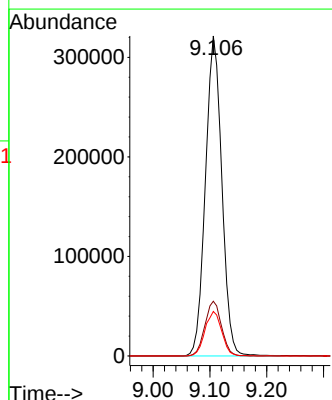
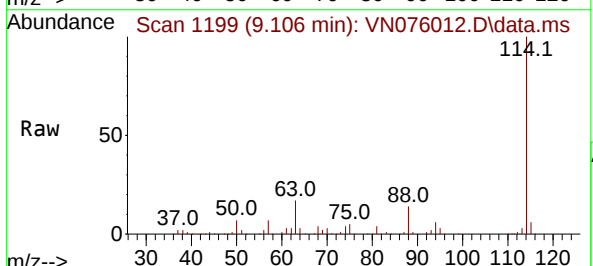
Tgt Ion: 114 Resp: 643623

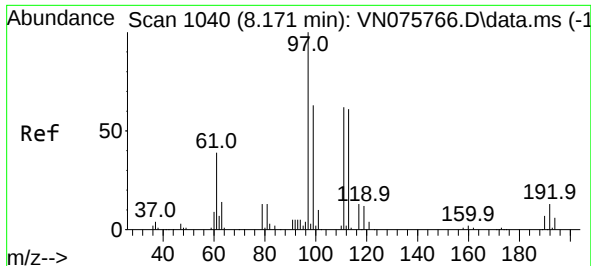
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

88 13.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.547 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076012.D

Acq: 28 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

RB-21147

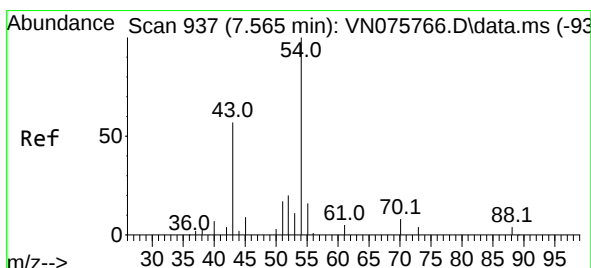
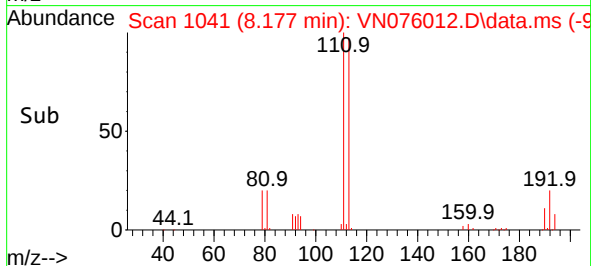
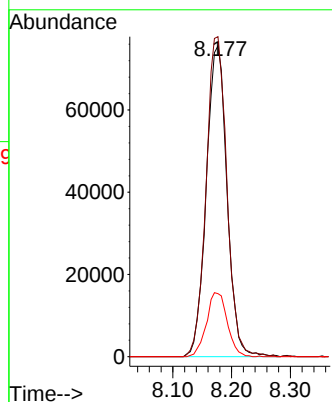
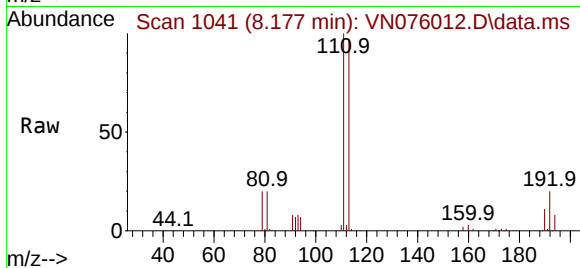
Tgt Ion:113 Resp: 185532

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 20.7 16.1 24.1



#37

Ethyl Acetate

Concen: 7.792 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN076012.D

Acq: 28 Dec 2022 20:08

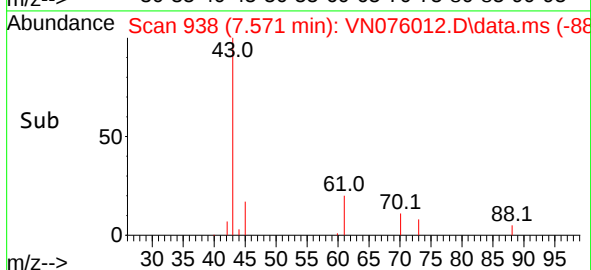
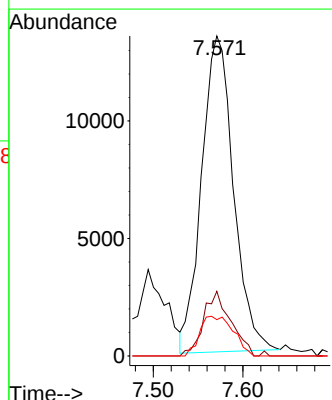
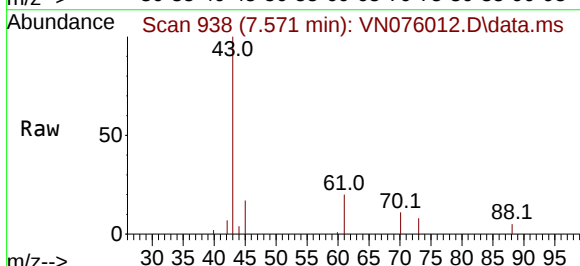
Tgt Ion: 43 Resp: 33139

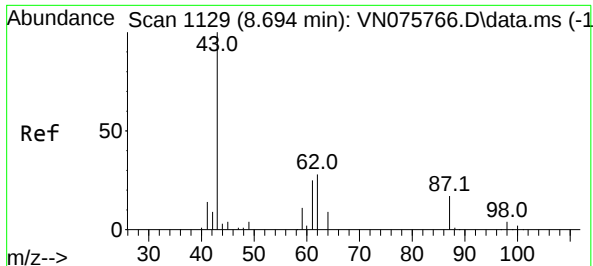
Ion Ratio Lower Upper

43 100

61 17.6 13.0 19.4

70 13.3 9.4 14.0

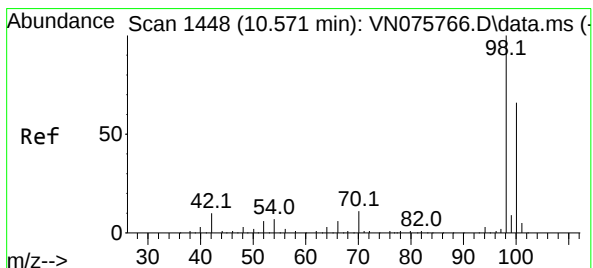
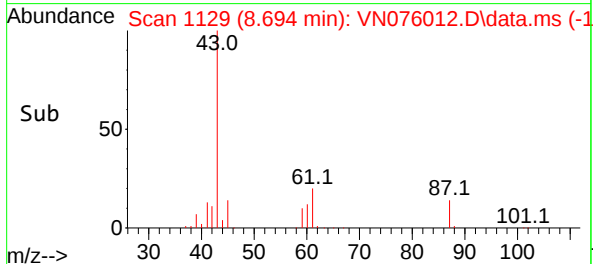
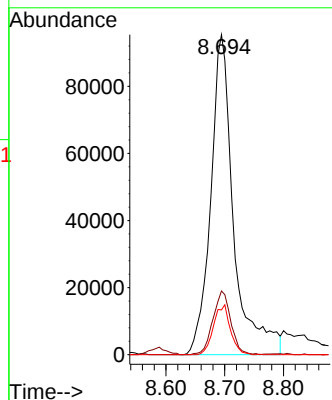
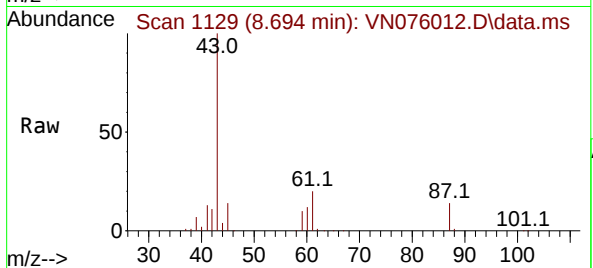




#43  
Isopropyl Acetate  
Concen: 36.907 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

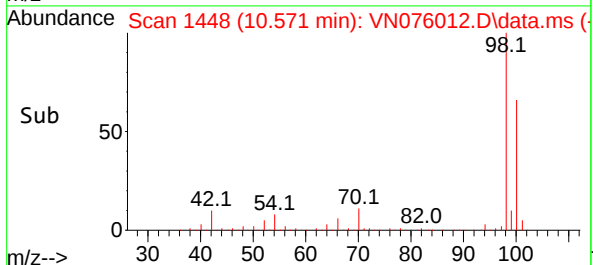
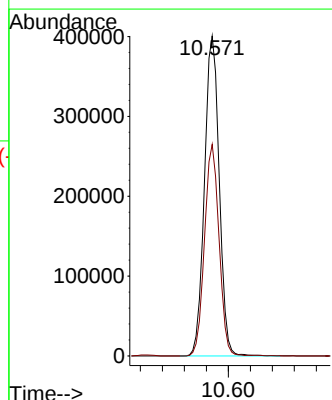
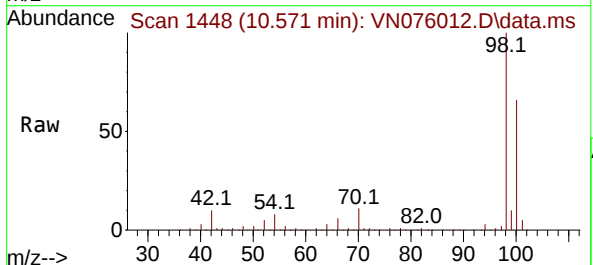
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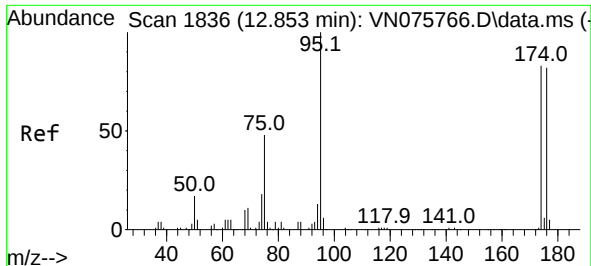
Tgt Ion: 43 Resp: 258929  
Ion Ratio Lower Upper  
43 100  
61 15.5 24.2 36.4#  
87 11.5 13.3 19.9#



#50  
Toluene-d8  
Concen: 50.109 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

Tgt Ion: 98 Resp: 746757  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.1 78.1

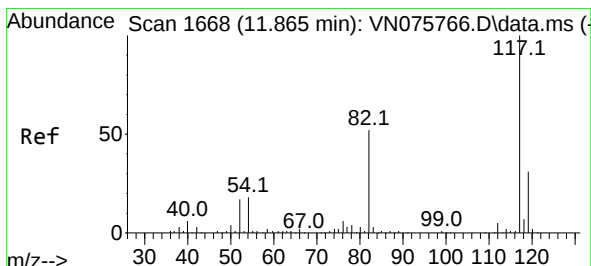
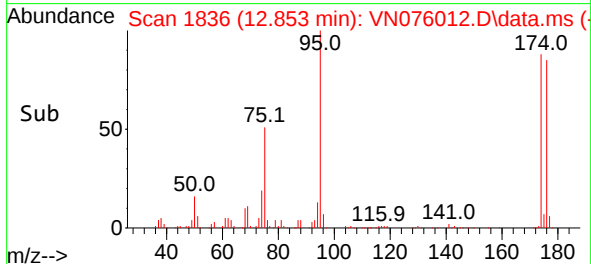
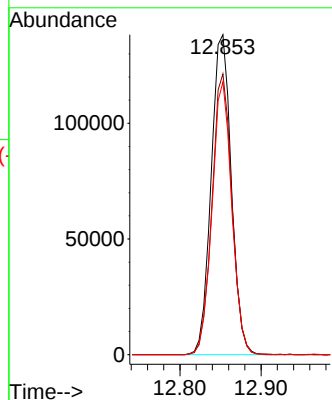
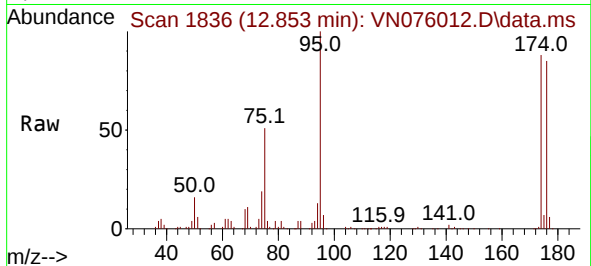




#62  
4-Bromofluorobenzene  
Concen: 48.358 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

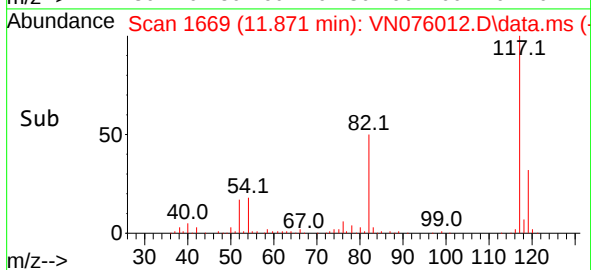
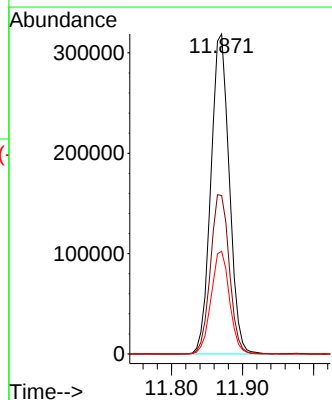
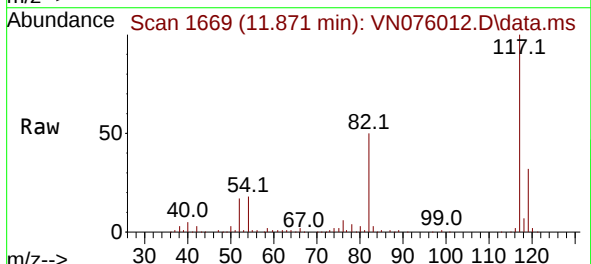
Instrument :  
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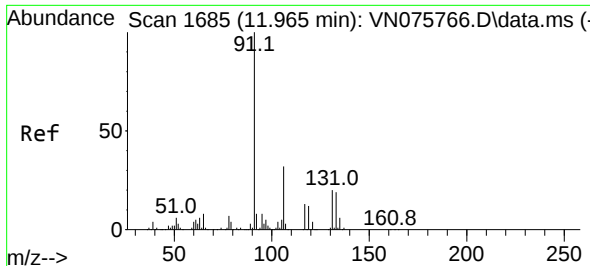
Tgt Ion: 95 Resp: 238693  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 171.6  
176 83.5 0.0 169.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

Tgt Ion: 117 Resp: 572542  
Ion Ratio Lower Upper  
117 100  
82 49.6 41.3 61.9  
119 32.1 24.6 37.0





#67

Ethyl Benzene

Concen: 1.170 ug/l

RT: 11.971 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076012.D

Acq: 28 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

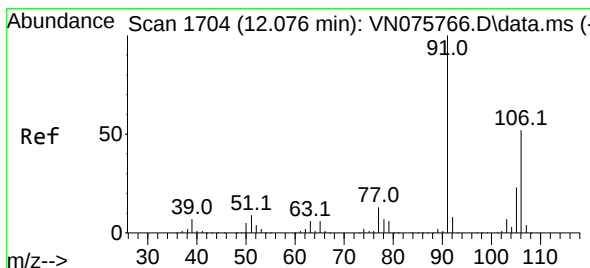
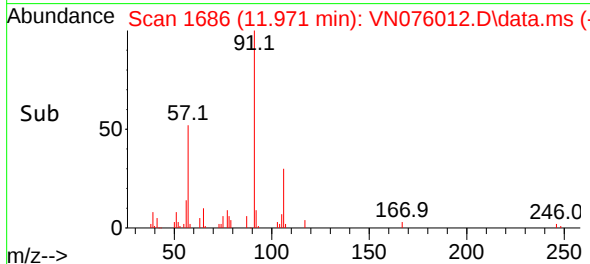
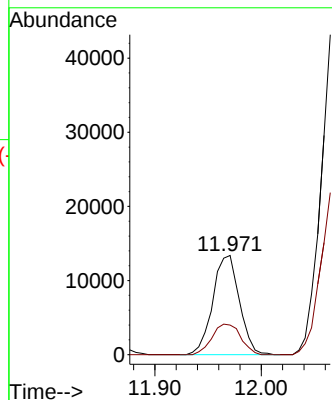
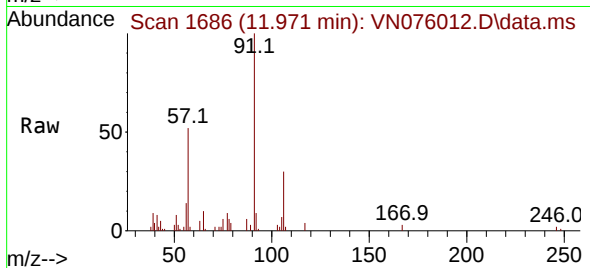
RB-21147

Tgt Ion: 91 Resp: 23207

Ion Ratio Lower Upper

91 100

106 29.9 25.7 38.5



#68

m/p-Xylenes

Concen: 5.869 ug/l

RT: 12.071 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VN076012.D

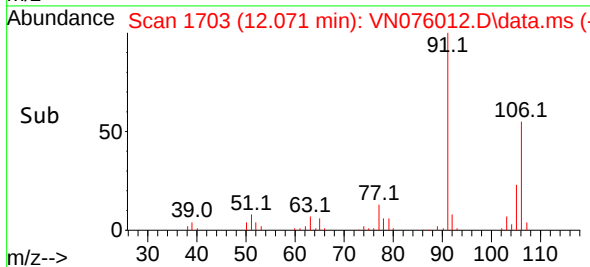
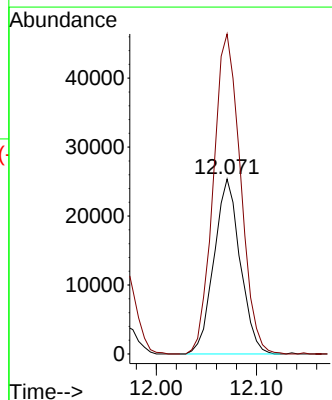
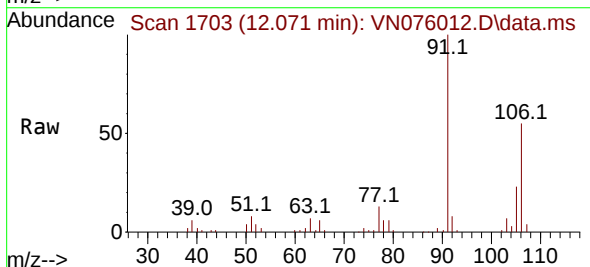
Acq: 28 Dec 2022 20:08

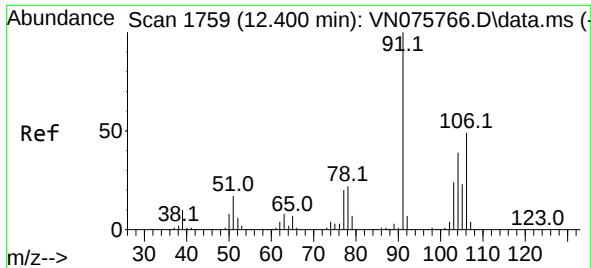
Tgt Ion:106 Resp: 46073

Ion Ratio Lower Upper

106 100

91 189.6 156.6 235.0

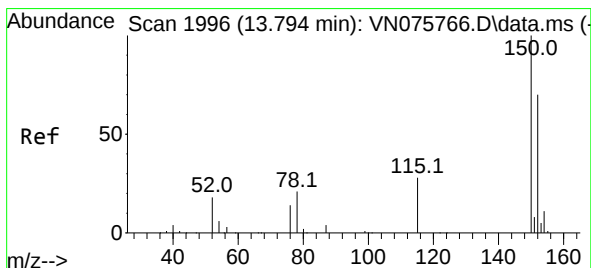
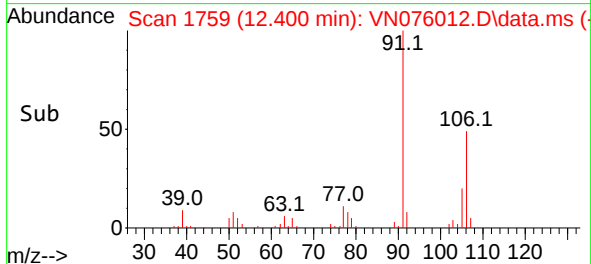
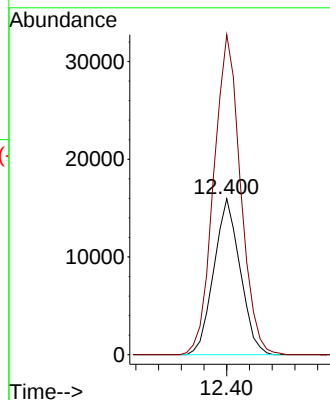
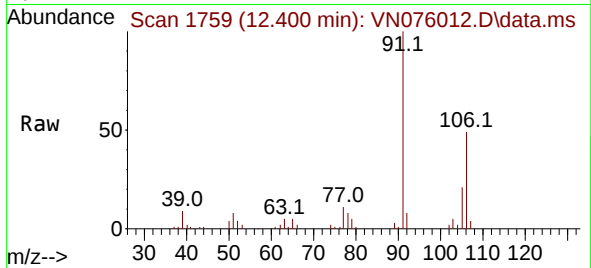




#69  
o-Xylene  
Concen: 3.308 ug/l  
RT: 12.400 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

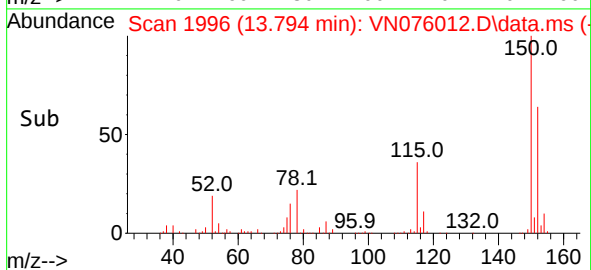
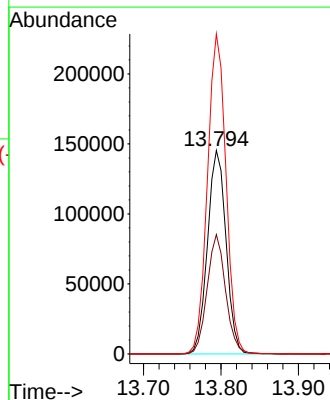
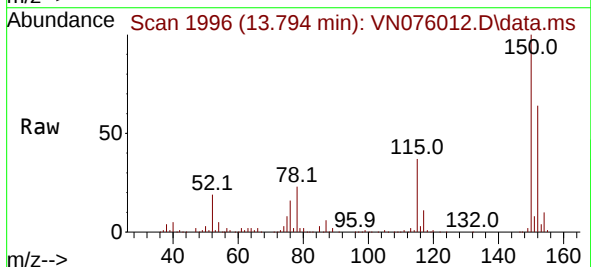
Instrument :  
MSVOA\_N  
ClientSampleId :  
RB-21147

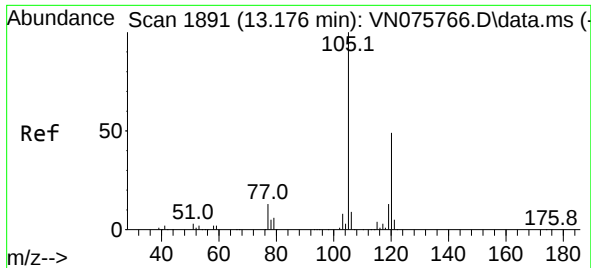
Tgt Ion:106 Resp: 25698  
Ion Ratio Lower Upper  
106 100  
91 209.3 103.8 311.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

Tgt Ion:152 Resp: 241545  
Ion Ratio Lower Upper  
152 100  
115 58.7 29.1 87.4  
150 157.0 0.0 347.0

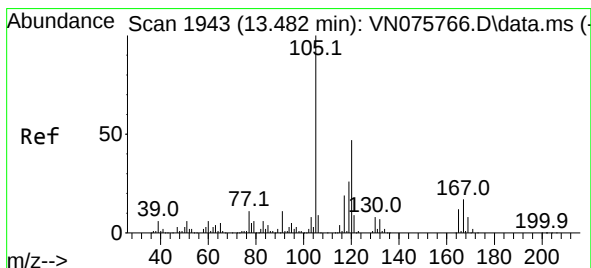
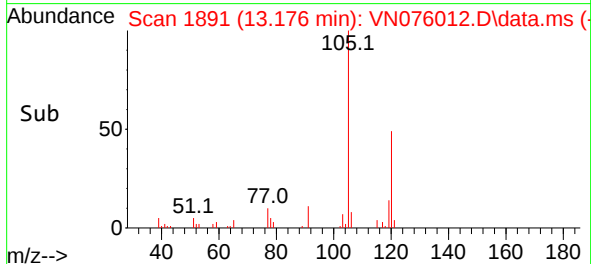
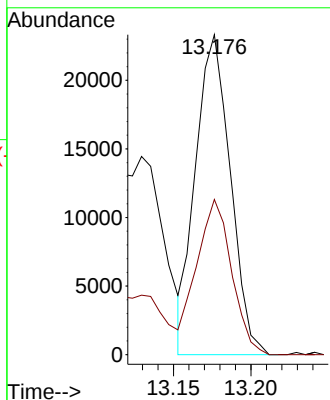
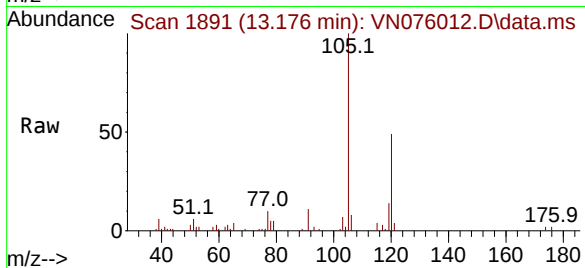




#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.486 ug/l  
 RT: 13.176 min Scan# 1891  
 Delta R.T. 0.000 min  
 Lab File: VN076012.D  
 Acq: 28 Dec 2022 20:08

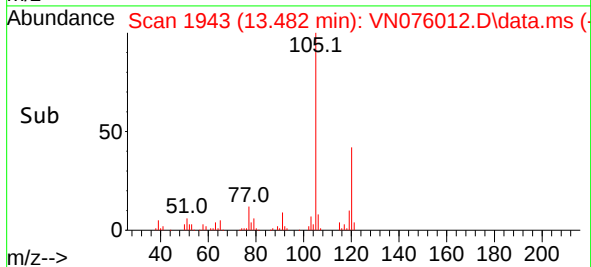
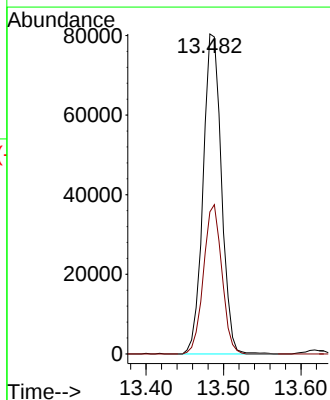
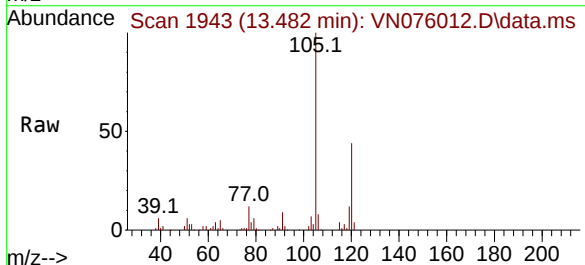
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RB-21147

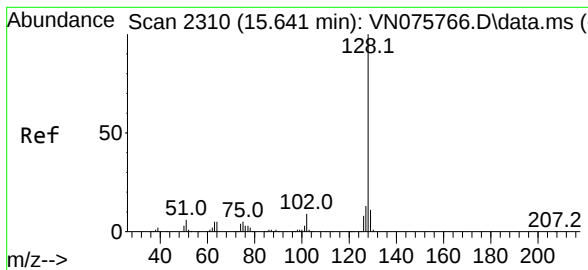
Tgt Ion:105 Resp: 36324  
 Ion Ratio Lower Upper  
 105 100  
 120 48.9 24.7 74.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 9.110 ug/l  
 RT: 13.482 min Scan# 1943  
 Delta R.T. 0.000 min  
 Lab File: VN076012.D  
 Acq: 28 Dec 2022 20:08

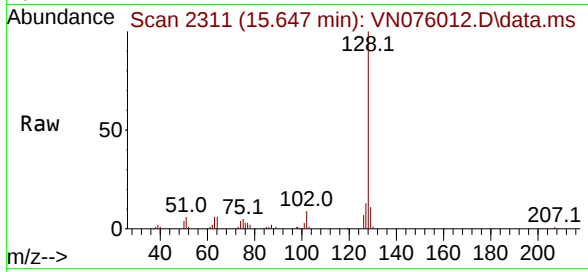
Tgt Ion:105 Resp: 132035  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 23.3 69.8





#95  
Naphthalene  
Concen: 7.606 ug/l  
RT: 15.647 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN076012.D  
Acq: 28 Dec 2022 20:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
RB-21147



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.4  | 15.6  |
| 129     | 11.0  | 8.7   | 13.1  |

