

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060722\  
 Data File : VN072685.D  
 Acq On : 07 Jun 2022 14:05  
 Operator : JC\MD  
 Sample : N3172-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 14B-3

Quant Time: Jun 08 09:51:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jun 06 14:10:15 2022  
 Response via : Initial Calibration

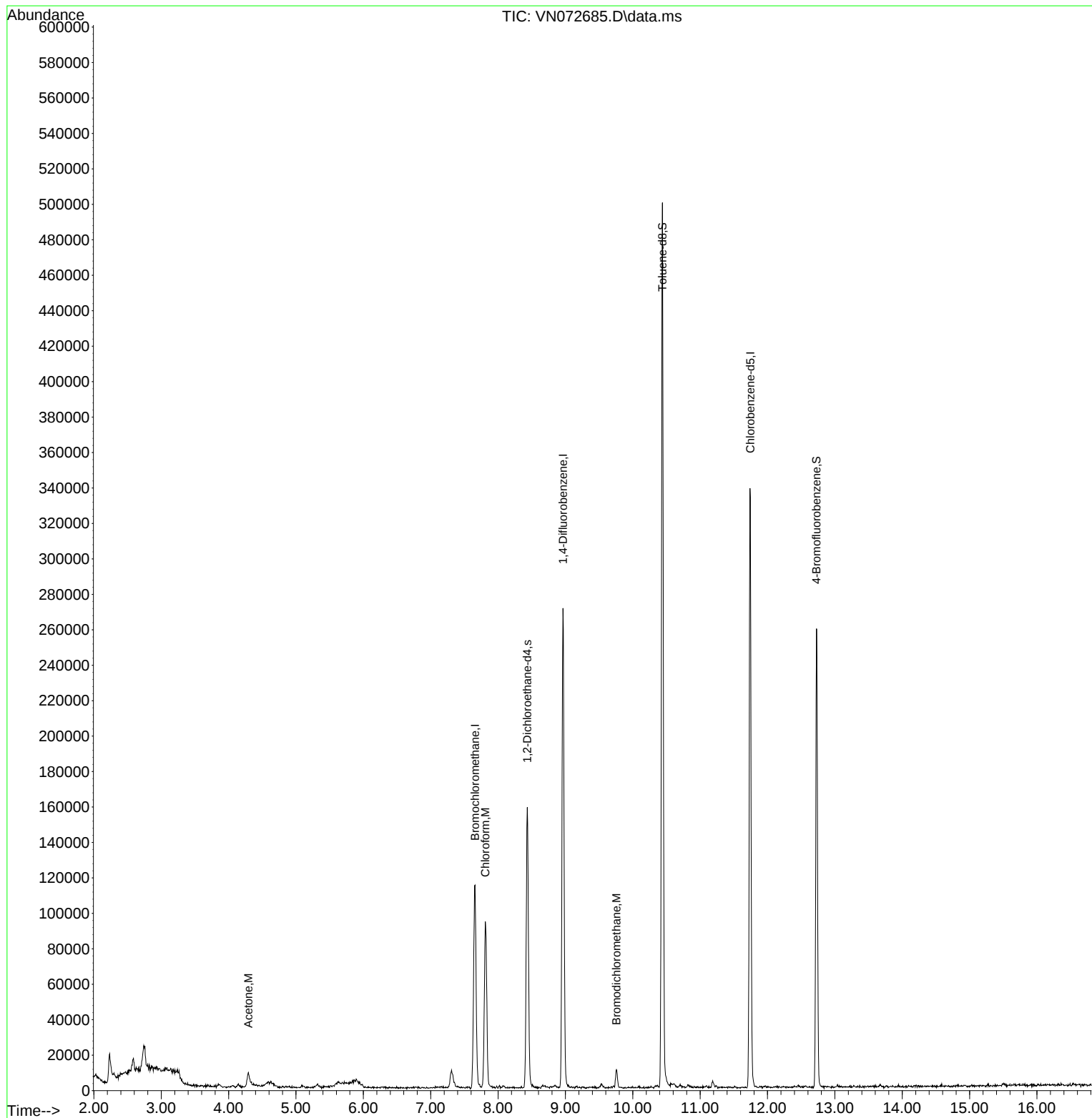
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.657  | 128   | 38903    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.963  | 114   | 228561   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.745 | 117   | 184900   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.433  | 65    | 132652   | 29.898   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 99.667%  |
| 60) 4-Bromofluorobenzene    | 12.727 | 95    | 94279    | 24.791   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 82.633%  |
| 63) Toluene-d8              | 10.439 | 98    | 334165   | 32.625   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 108.733% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 4.293  | 58    | 3840     | 6.561    | ug/l   | 73       |
| 25) Chloroform              | 7.810  | 83    | 88295    | 14.069   | ug/l   | 95       |
| 41) Bromodichloromethane    | 9.757  | 83    | 7577     | 1.457    | ug/l # | 81       |
| -----                       |        |       |          |          |        |          |

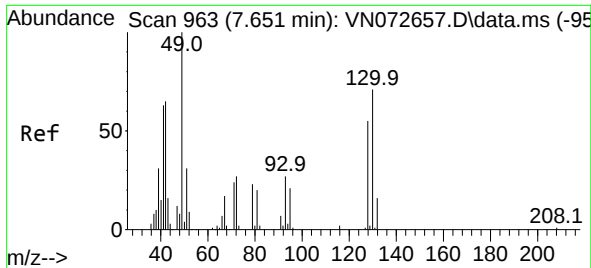
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampleId :  
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Quant Time: Jun 08 09:51:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jun 06 14:10:15 2022  
Response via : Initial Calibration

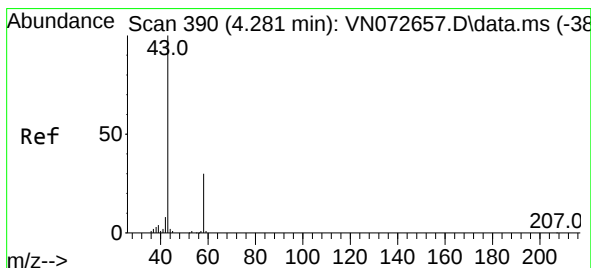
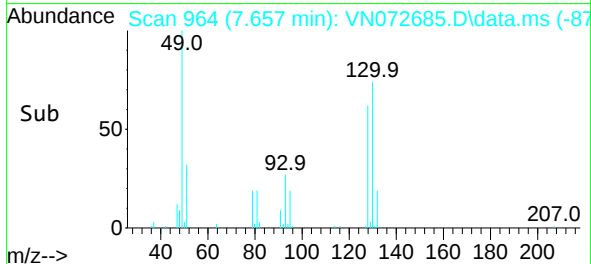
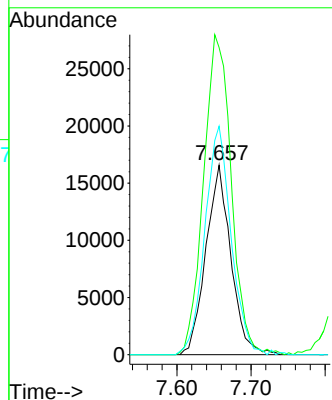
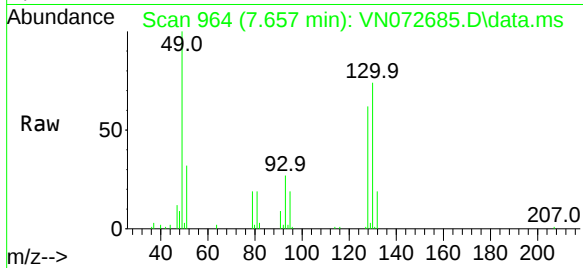




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.657 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VN072685.D  
Acq: 07 Jun 2022 14:05

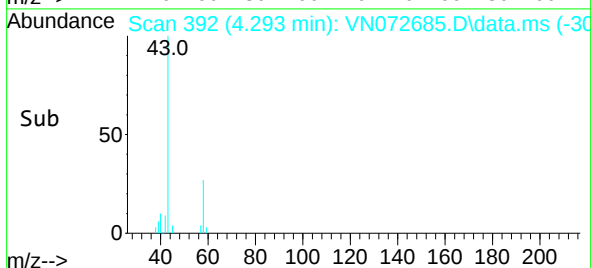
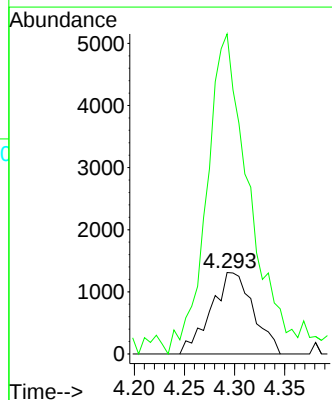
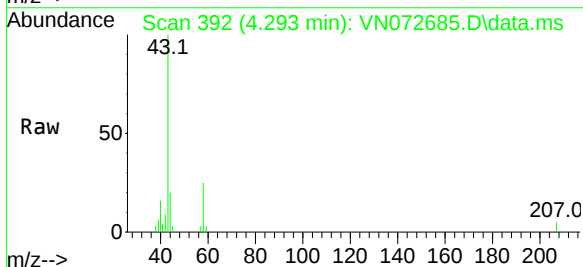
Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-3

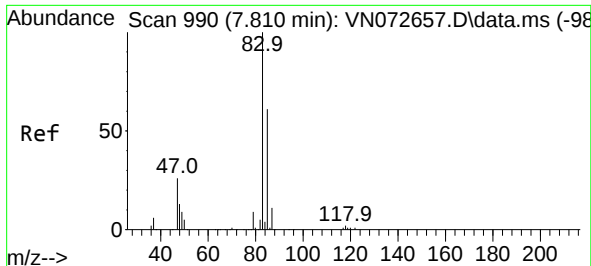
Tgt Ion:128 Resp: 38903  
Ion Ratio Lower Upper  
128 100  
49 185.9 0.0 392.3  
130 126.3 0.0 320.2



#15  
Acetone  
Concen: 6.561 ug/l  
RT: 4.293 min Scan# 392  
Delta R.T. 0.012 min  
Lab File: VN072685.D  
Acq: 07 Jun 2022 14:05

Tgt Ion: 58 Resp: 3840  
Ion Ratio Lower Upper  
58 100  
43 376.0 256.6 384.8

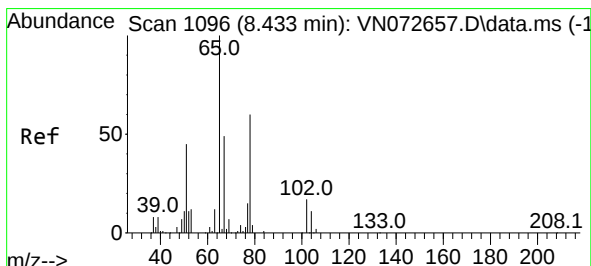
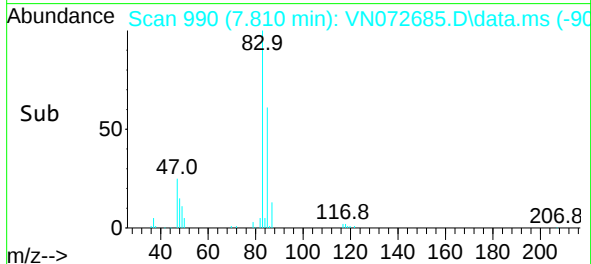
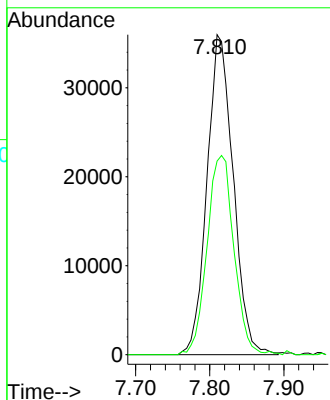
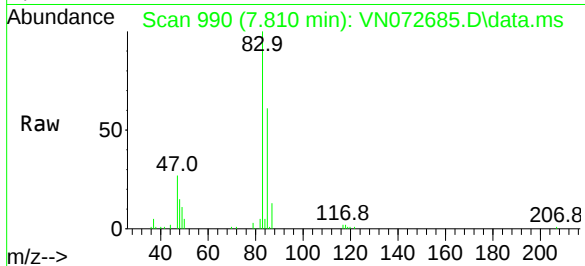




#25  
Chloroform  
Concen: 14.069 ug/l  
RT: 7.810 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN072685.D  
Acq: 07 Jun 2022 14:05

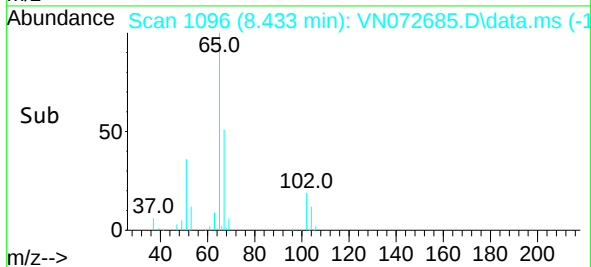
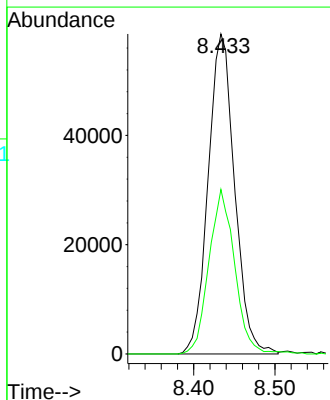
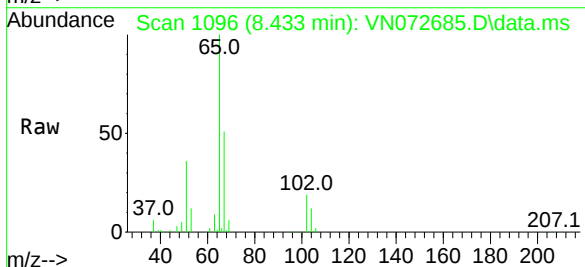
Instrument :  
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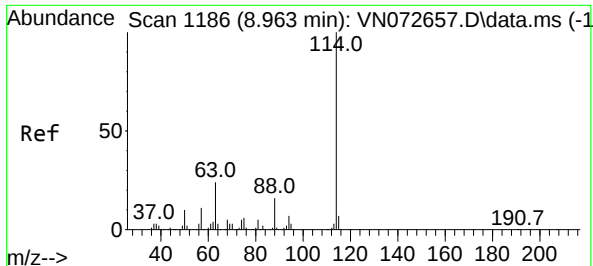
Tgt Ion: 83 Resp: 88295  
Ion Ratio Lower Upper  
83 100  
85 60.5 51.3 76.9



#27  
1,2-Dichloroethane-d4  
Concen: 29.898 ug/l  
RT: 8.433 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: VN072685.D  
Acq: 07 Jun 2022 14:05

Tgt Ion: 65 Resp: 132652  
Ion Ratio Lower Upper  
65 100  
67 49.6 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072685.D

Acq: 07 Jun 2022 14:05

Instrument :

MSVOA\_N

ClientSampleId :

14B-3

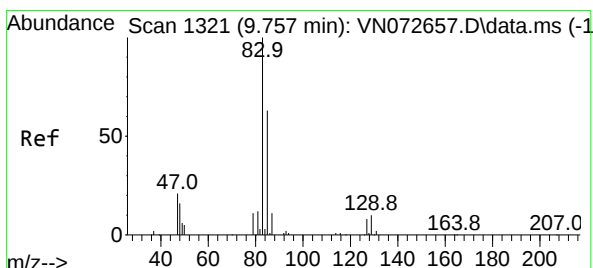
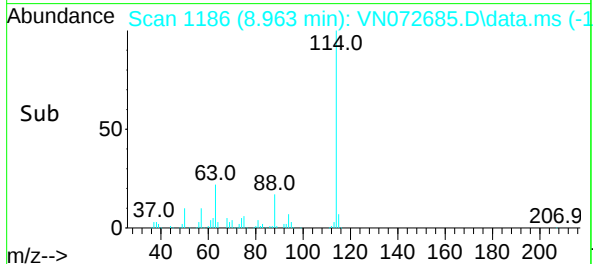
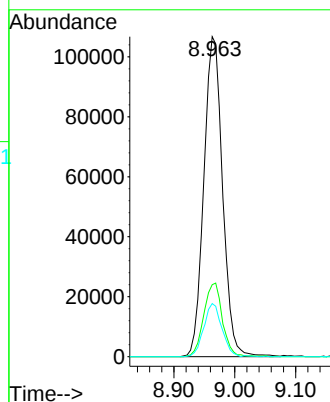
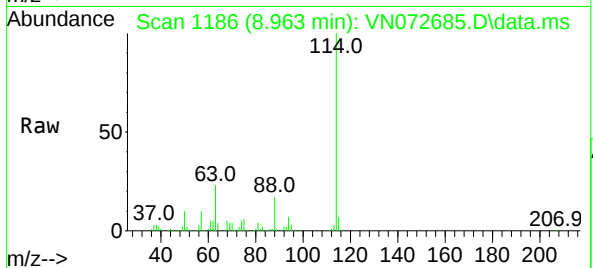
Tgt Ion:114 Resp: 228561

Ion Ratio Lower Upper

114 100

63 22.7 15.8 23.6

88 16.0 11.6 17.4



#41

Bromodichloromethane

Concen: 1.457 ug/l

RT: 9.757 min Scan# 1321

Delta R.T. 0.000 min

Lab File: VN072685.D

Acq: 07 Jun 2022 14:05

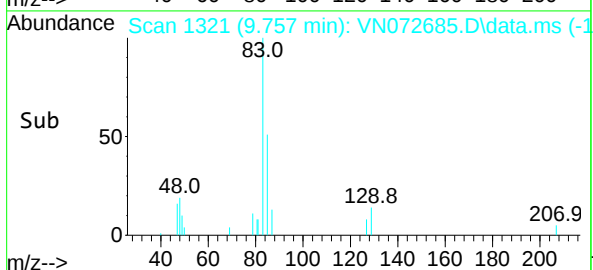
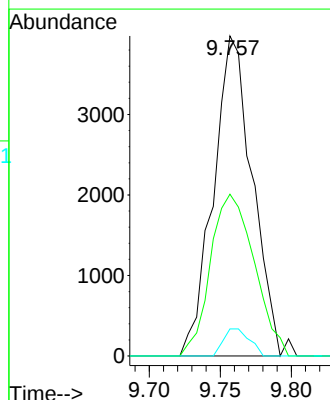
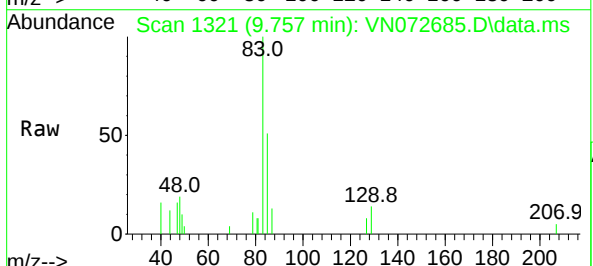
Tgt Ion: 83 Resp: 7577

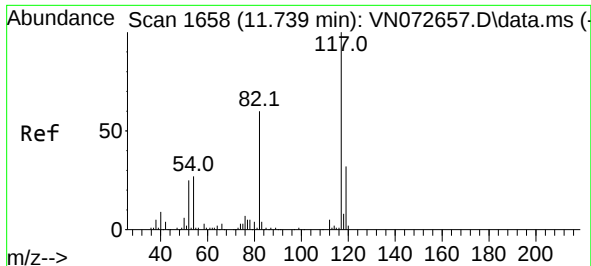
Ion Ratio Lower Upper

83 100

85 50.6 54.1 81.1#

127 8.5 7.6 11.4

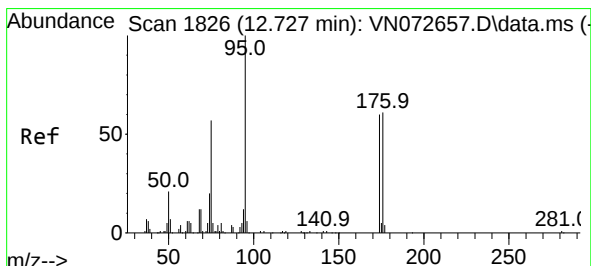
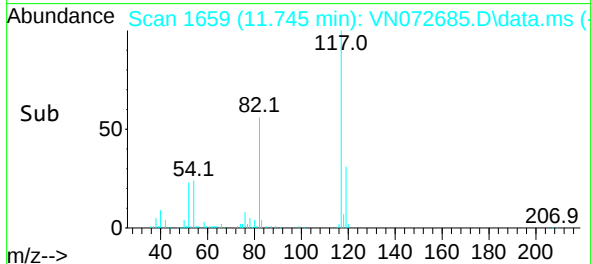
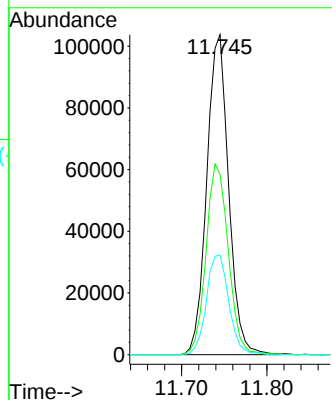
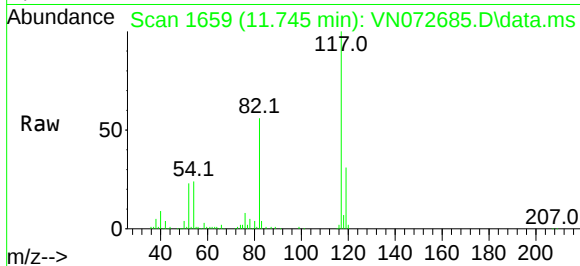




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.745 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN072685.D  
Acq: 07 Jun 2022 14:05

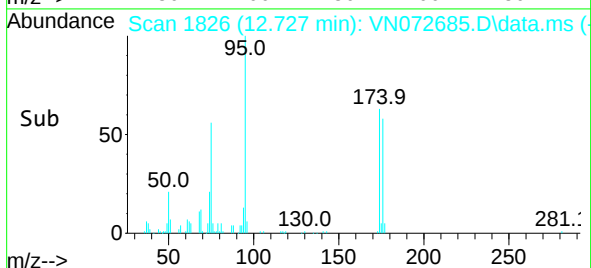
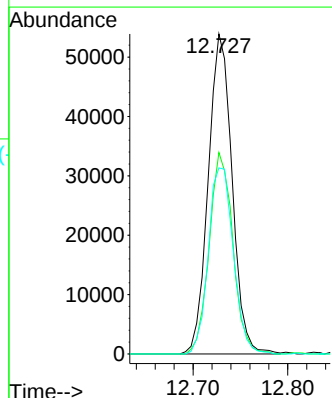
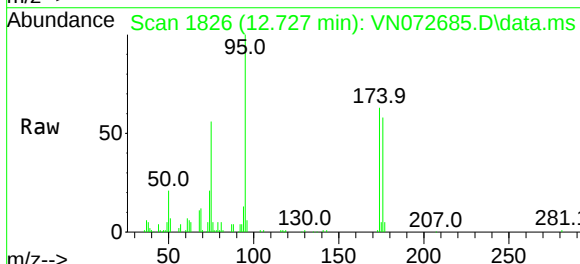
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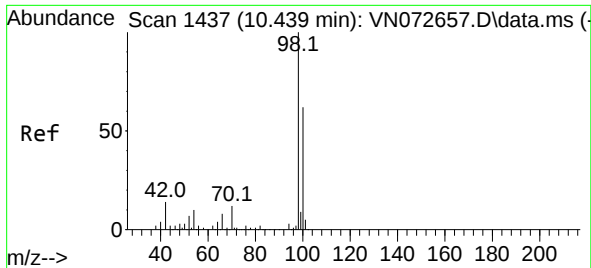
Tgt Ion:117 Resp: 184900  
Ion Ratio Lower Upper  
117 100  
82 60.7 43.6 65.4  
119 31.9 25.8 38.6



#60  
4-Bromofluorobenzene  
Concen: 24.791 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072685.D  
Acq: 07 Jun 2022 14:05

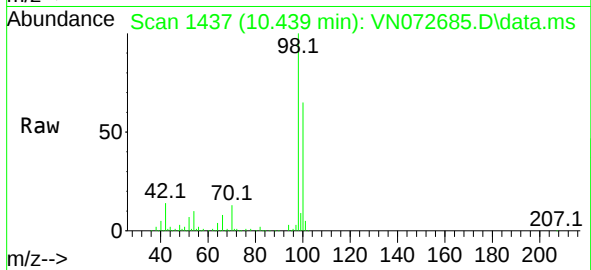
Tgt Ion: 95 Resp: 94279  
Ion Ratio Lower Upper  
95 100  
174 62.3 62.9 94.3#  
176 61.1 61.0 91.4





#63  
Toluene-d8  
Concen: 32.625 ug/l  
RT: 10.439 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VN072685.D  
Acq: 07 Jun 2022 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-3



Tgt Ion: 98 Resp: 334165  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.6 76.0

