

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041422\  
 Data File : VN071993.D  
 Acq On : 14 Apr 2022 13:30  
 Operator : JC\MD  
 Sample : N2420-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT-TB-20220413

Quant Time: Apr 15 01:37:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N032422W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Mar 24 12:03:44 2022  
 Response via : Initial Calibration

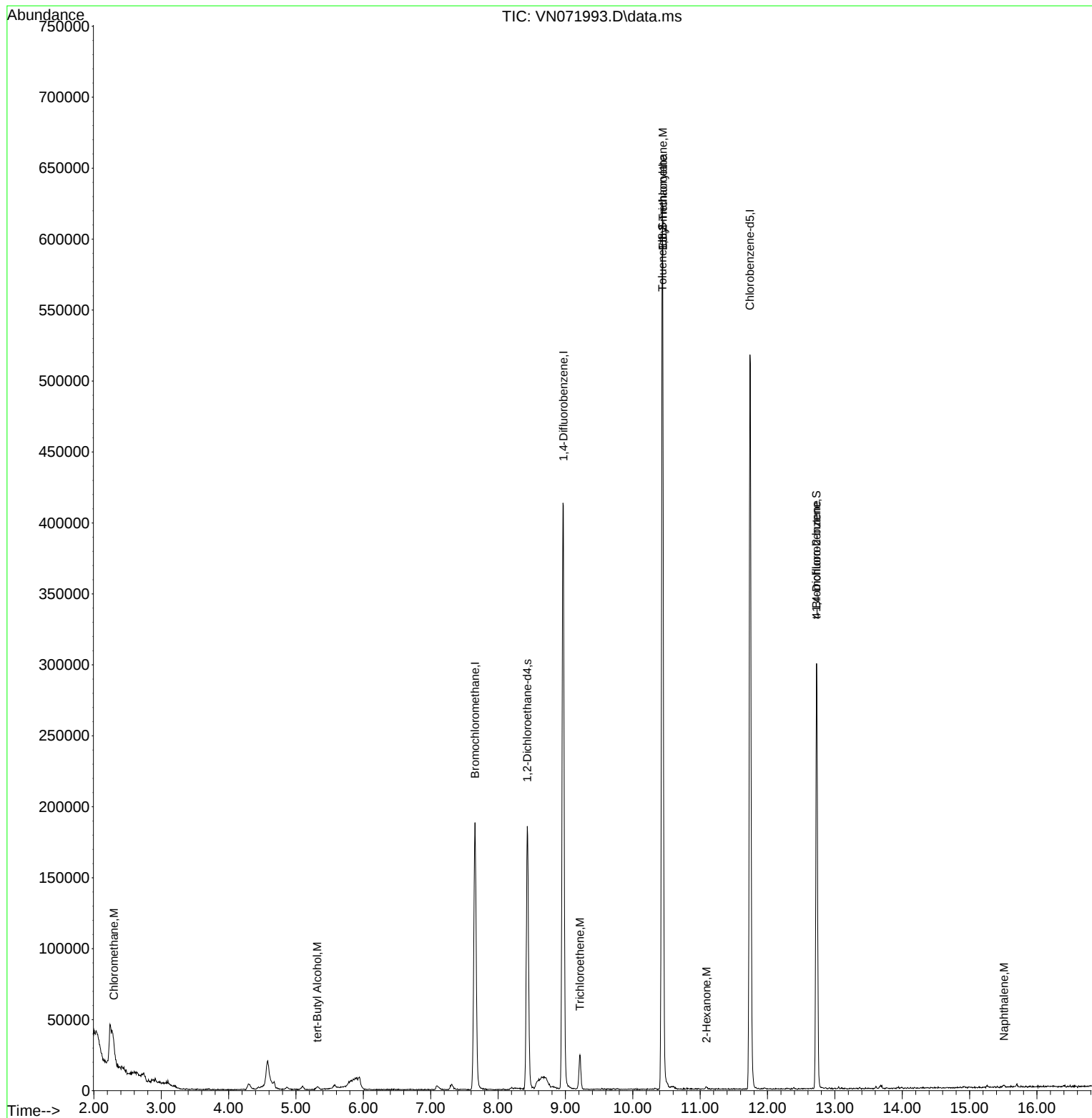
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.657  | 128   | 77159    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.969  | 114   | 403092   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.739 | 117   | 339238   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.433  | 65    | 155308   | 28.569   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 95.233%  |
| 60) 4-Bromofluorobenzene    | 12.727 | 95    | 107291   | 21.330   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 71.100%  |
| 63) Toluene-d8              | 10.439 | 98    | 467744   | 30.374   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 101.233% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 3) Chloromethane            | 2.298  | 50    | 1143     | 0.202    | ug/l   | 90       |
| 23) tert-Butyl Alcohol      | 5.316  | 59    | 1939     | 1.905    | ug/l # | 100      |
| 37) Trichloroethene         | 9.216  | 130   | 10218    | 1.954    | ug/l   | 82       |
| 50) 1,1,2-Trichloroethane   | 10.445 | 97    | 17930    | 3.494    | ug/l # | 1        |
| 51) Ethyl methacrylate      | 10.445 | 69    | 1598     | 0.202    | ug/l   | 73       |
| 59) 2-Hexanone              | 11.092 | 43    | 1363     | 0.290    | ug/l # | 85       |
| 77) t-1,4-Dichloro-2-butene | 12.727 | 75    | 51973    | 24.402   | ug/l # | 8        |
| 91) Naphthalene             | 15.509 | 128   | 2728     | 7.059    | ug/l # | 74       |
| -----                       |        |       |          |          |        |          |

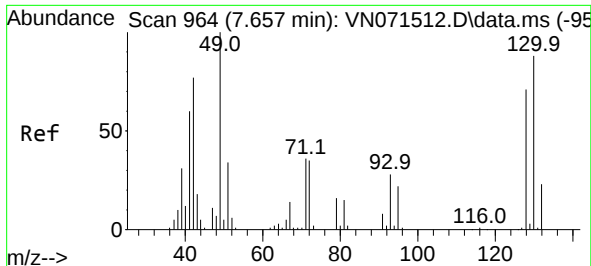
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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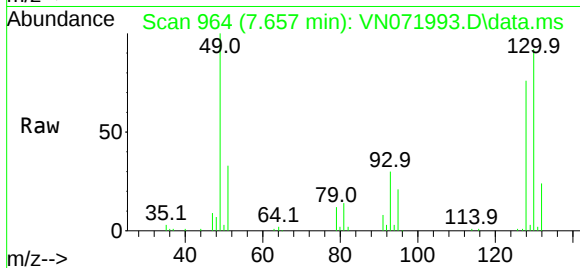
Quant Time: Apr 15 01:37:17 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N032422W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Mar 24 12:03:44 2022  
Response via : Initial Calibration



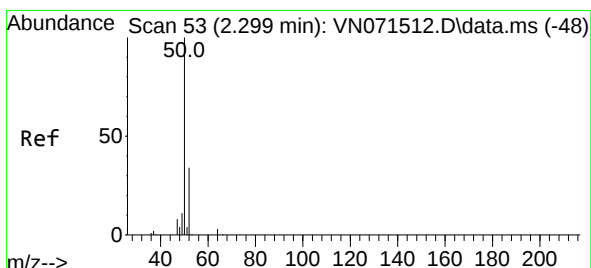
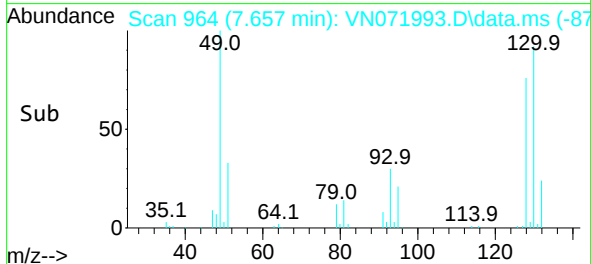
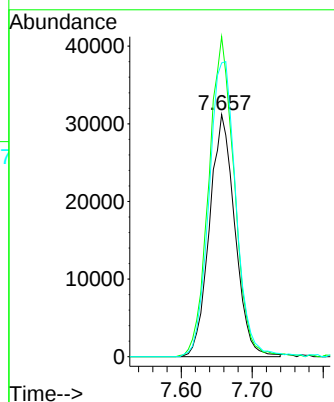


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.657 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

Instrument :  
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ClientSampleId :  
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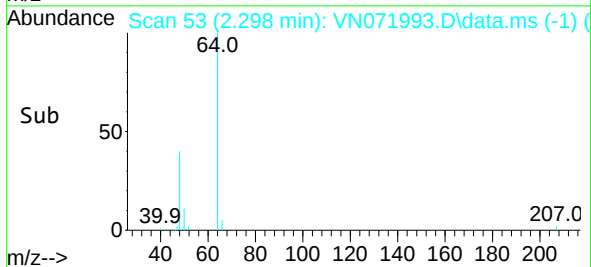
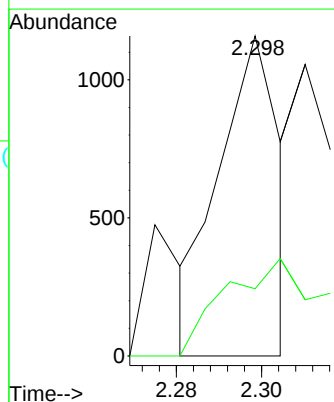
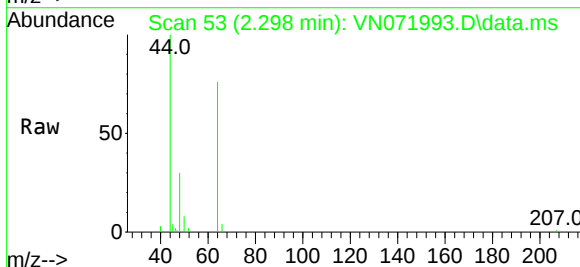


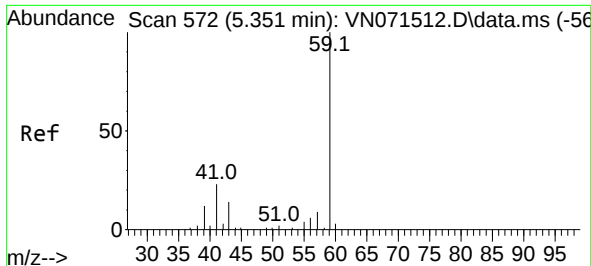
Tgt Ion:128 Resp: 77159  
Ion Ratio Lower Upper  
128 100  
49 133.7 0.0 392.3  
130 129.7 0.0 320.2



#3  
Chloromethane  
Concen: 0.202 ug/l  
RT: 2.298 min Scan# 53  
Delta R.T. -0.000 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

Tgt Ion: 50 Resp: 1143  
Ion Ratio Lower Upper  
50 100  
52 29.1 27.8 41.6

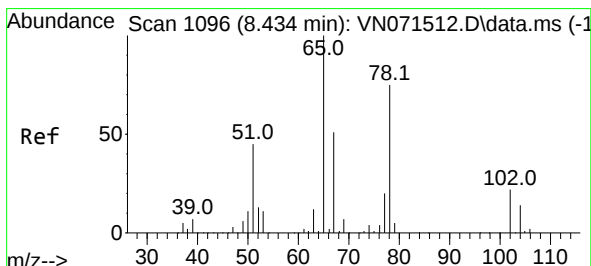
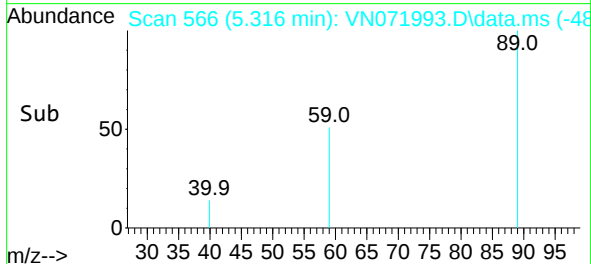
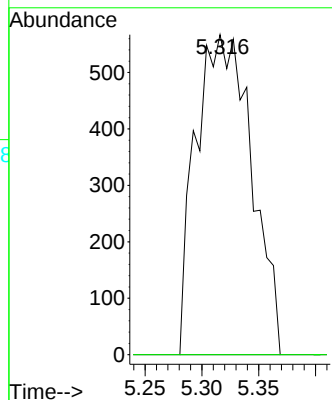
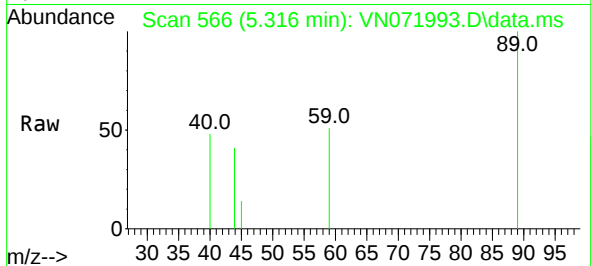




#23  
tert-Butyl Alcohol  
Concen: 1.905 ug/l  
RT: 5.316 min Scan# 51  
Delta R.T. -0.036 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

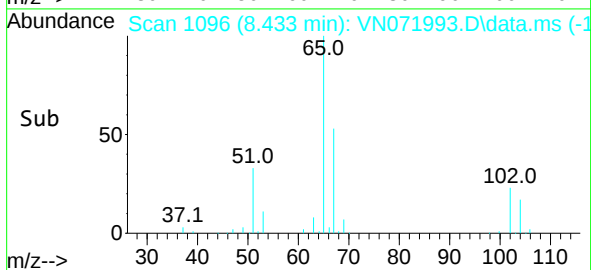
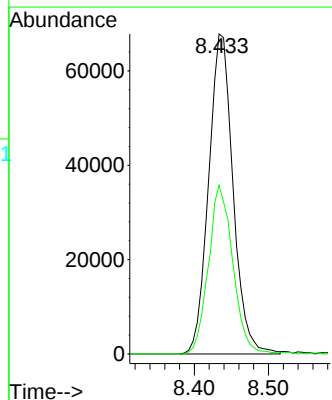
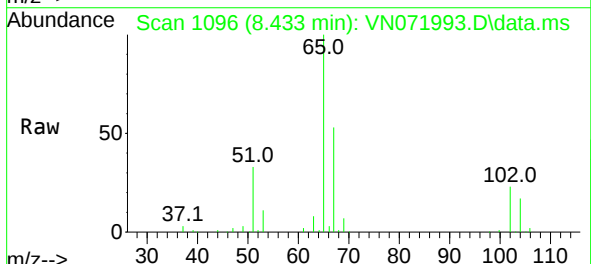
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT-TB-20220413

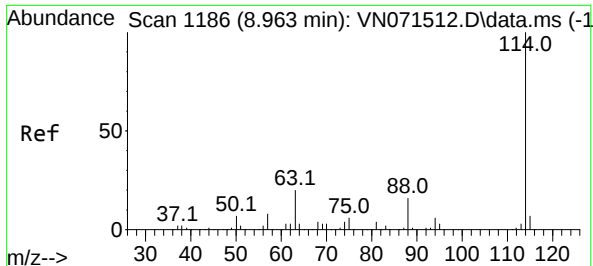
Tgt Ion: 59 Resp: 1939  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#27  
1,2-Dichloroethane-d4  
Concen: 28.569 ug/l  
RT: 8.433 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

Tgt Ion: 65 Resp: 155308  
Ion Ratio Lower Upper  
65 100  
67 52.3 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071993.D

Acq: 14 Apr 2022 13:30

Instrument :

MSVOA\_N

ClientSampleId :

TT-TB-20220413

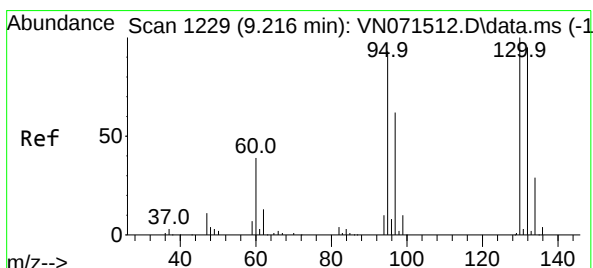
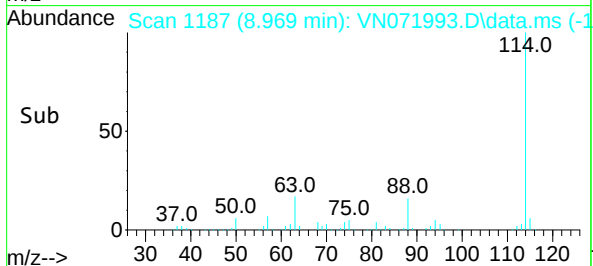
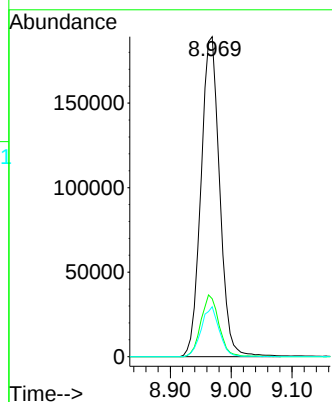
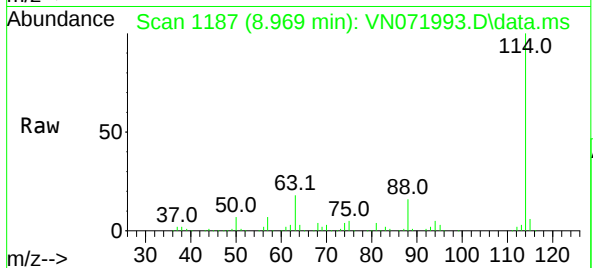
Tgt Ion:114 Resp: 403092

Ion Ratio Lower Upper

114 100

63 18.6 15.8 23.6

88 15.1 11.6 17.4



#37

Trichloroethene

Concen: 1.954 ug/l

RT: 9.216 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VN071993.D

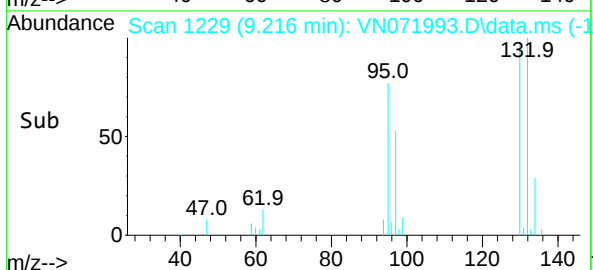
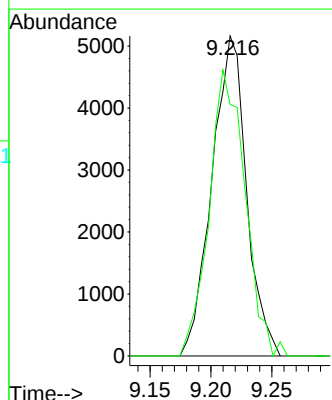
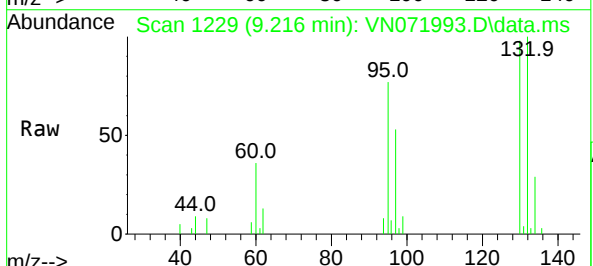
Acq: 14 Apr 2022 13:30

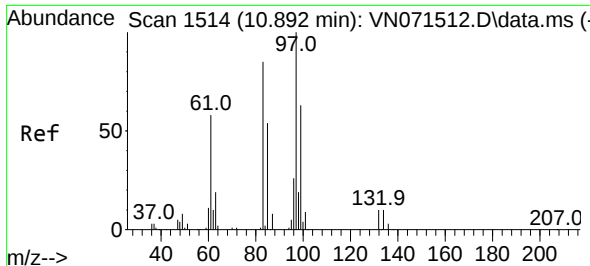
Tgt Ion:130 Resp: 10218

Ion Ratio Lower Upper

130 100

95 78.6 76.6 115.0

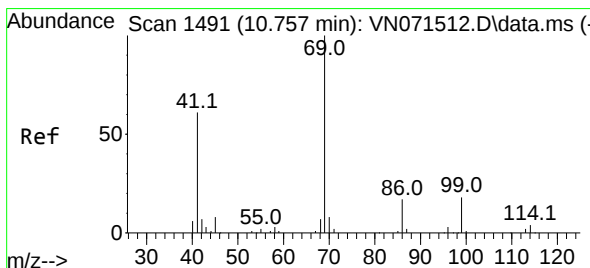
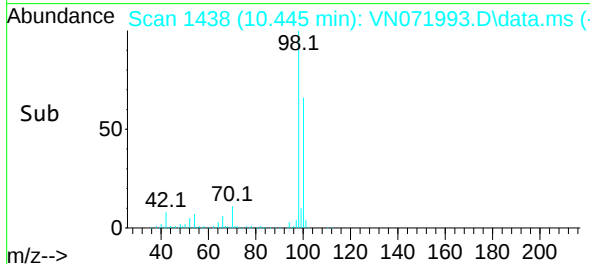
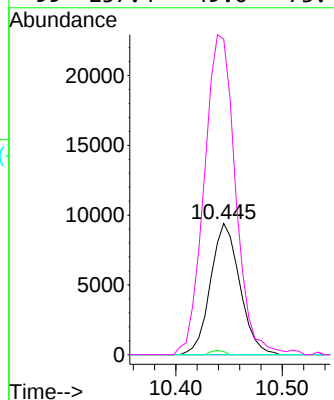
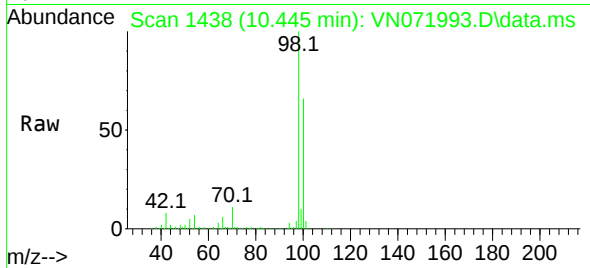




#50  
1,1,2-Trichloroethane  
Concen: 3.494 ug/l  
RT: 10.445 min Scan# 1438  
Delta R.T. -0.447 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

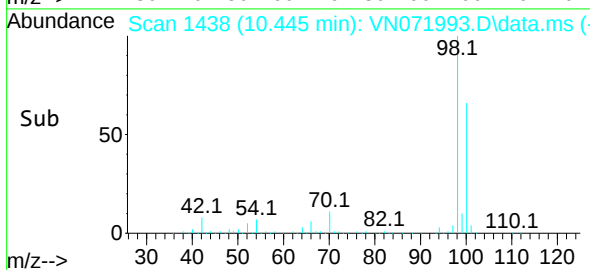
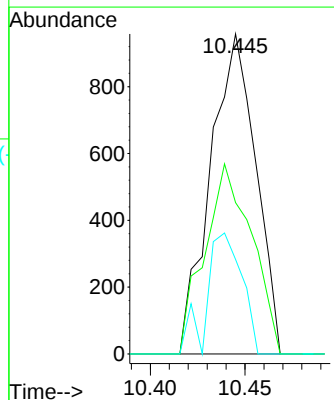
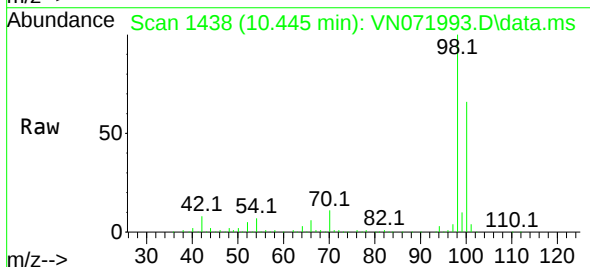
Instrument :  
MSVOA\_N  
ClientSampleId :  
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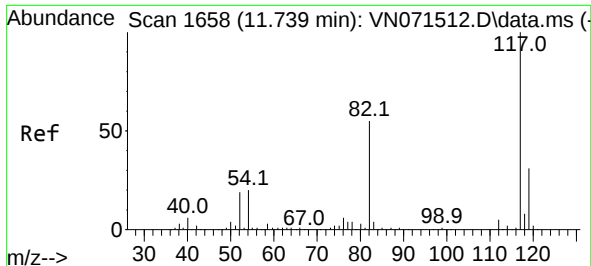
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 17930 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 2.4      | 67.2 100.8# |
| 85 0.0      | 43.0 64.4#  |
| 99 237.4    | 49.0 73.4#  |



#51  
Ethyl methacrylate  
Concen: 0.202 ug/l  
RT: 10.445 min Scan# 1438  
Delta R.T. -0.312 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 1598  |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 47.3     | 33.0 98.9   |
| 39 29.5     | 25.4 76.4   |

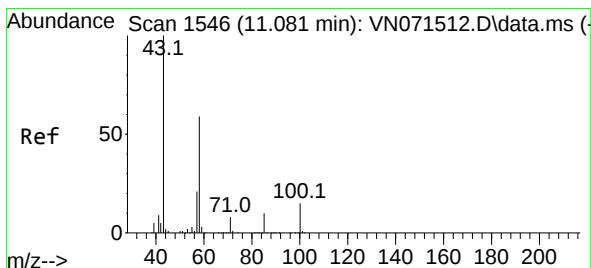
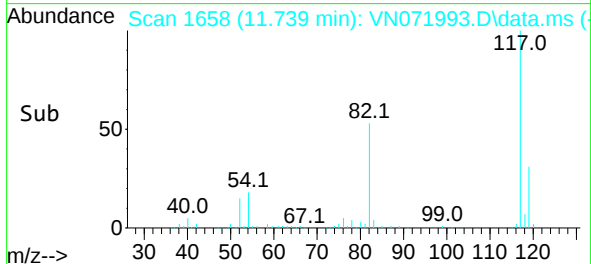
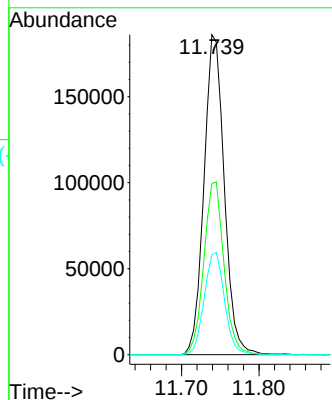
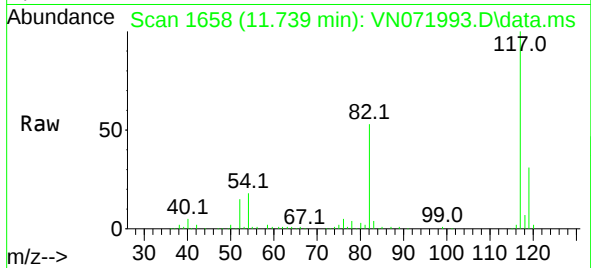




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

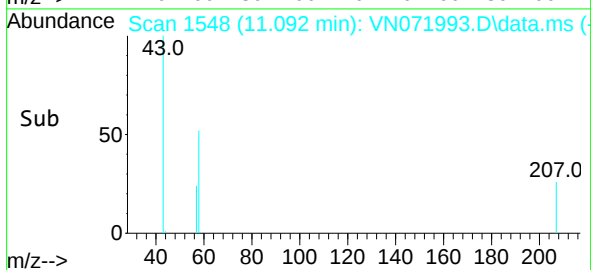
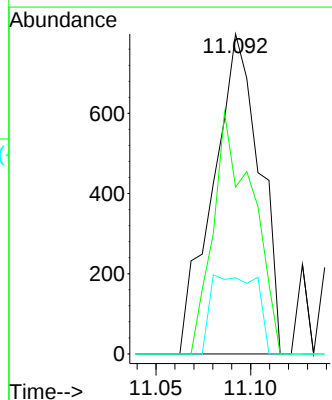
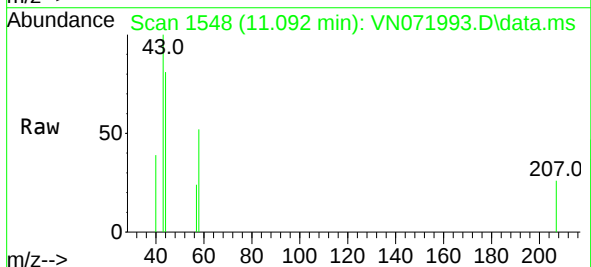
Instrument :  
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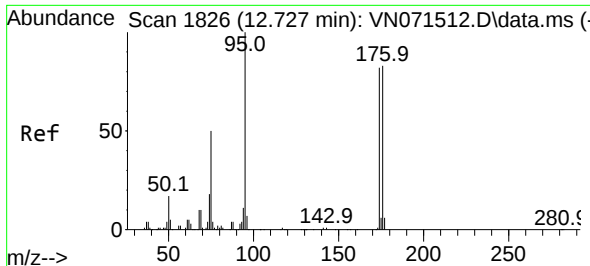
Tgt Ion:117 Resp: 339238  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.6 65.4  
119 32.0 25.8 38.6



#59  
2-Hexanone  
Concen: 0.290 ug/l  
RT: 11.092 min Scan# 1548  
Delta R.T. 0.011 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

Tgt Ion: 43 Resp: 1363  
Ion Ratio Lower Upper  
43 100  
58 38.3 42.2 63.2#  
57 19.4 15.0 22.4

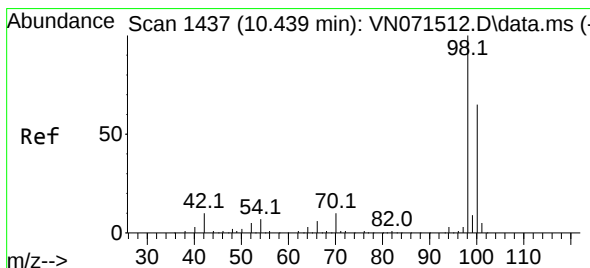
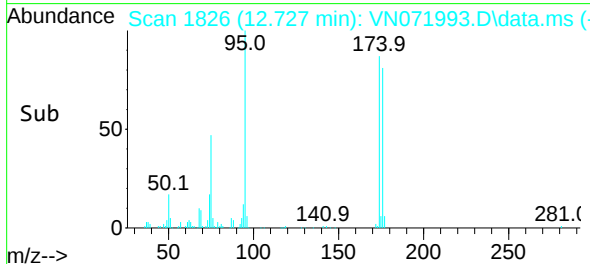
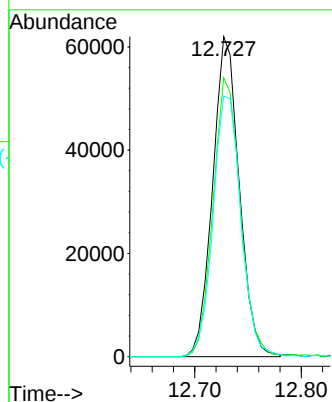
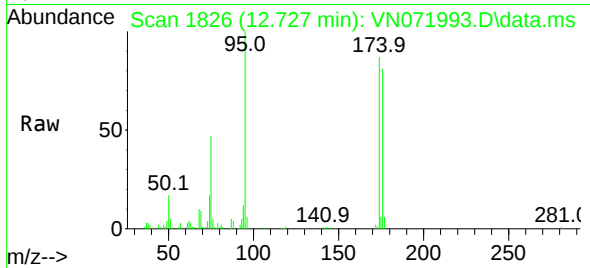




#60  
4-Bromofluorobenzene  
Concen: 21.330 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

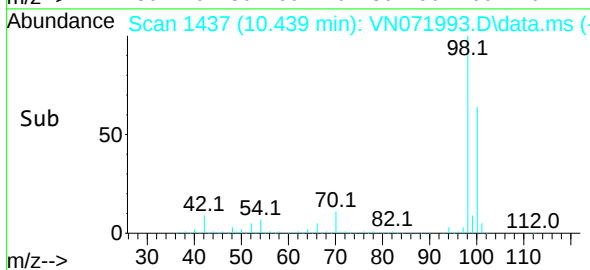
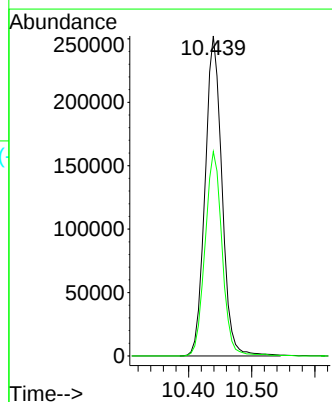
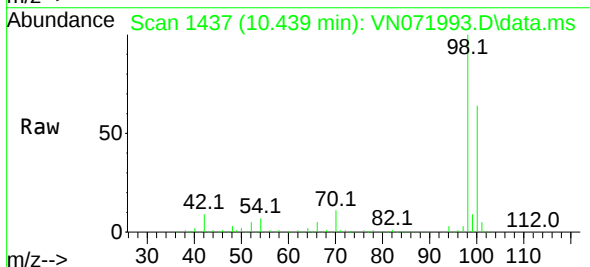
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ClientSampleId :  
TT-TB-20220413

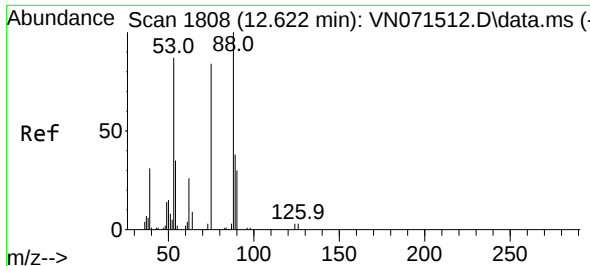
Tgt Ion: 95 Resp: 107291  
Ion Ratio Lower Upper  
95 100  
174 89.4 62.9 94.3  
176 85.4 61.0 91.4



#63  
Toluene-d8  
Concen: 30.374 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. -0.000 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

Tgt Ion: 98 Resp: 467744  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.6 76.0

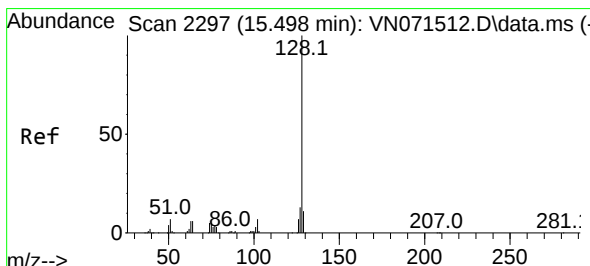
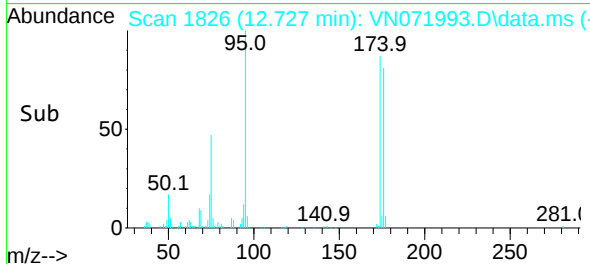
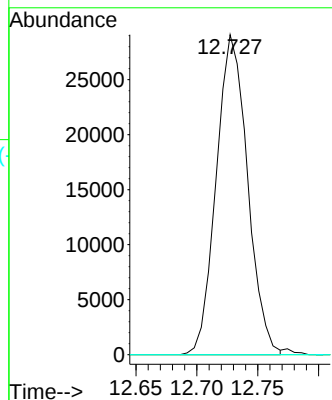
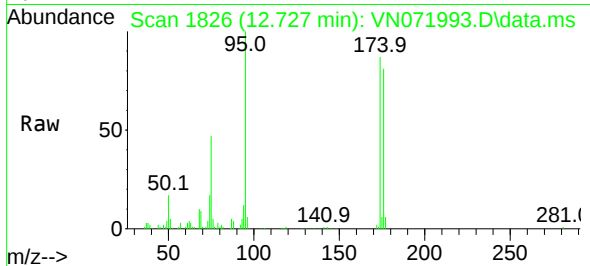




#77  
t-1,4-Dichloro-2-butene  
Concen: 24.402 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.106 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

Instrument :  
MSVOA\_N  
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TT-TB-20220413

Tgt Ion: 75 Resp: 51973  
Ion Ratio Lower Upper  
75 100  
53 0.0 51.8 155.5#  
89 0.0 22.9 68.7#



#91  
Naphthalene  
Concen: 7.059 ug/l  
RT: 15.509 min Scan# 2299  
Delta R.T. 0.011 min  
Lab File: VN071993.D  
Acq: 14 Apr 2022 13:30

Tgt Ion: 128 Resp: 2728  
Ion Ratio Lower Upper  
128 100  
127 4.4 10.7 16.1#  
129 0.0 9.0 13.6#

