

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042822\  
 Data File : VN072253.D  
 Acq On : 28 Apr 2022 21:24  
 Operator : JC\MD  
 Sample : N2617-16  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-17IR

Quant Time: Apr 29 06:38:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 26 18:50:11 2022  
 Response via : Initial Calibration

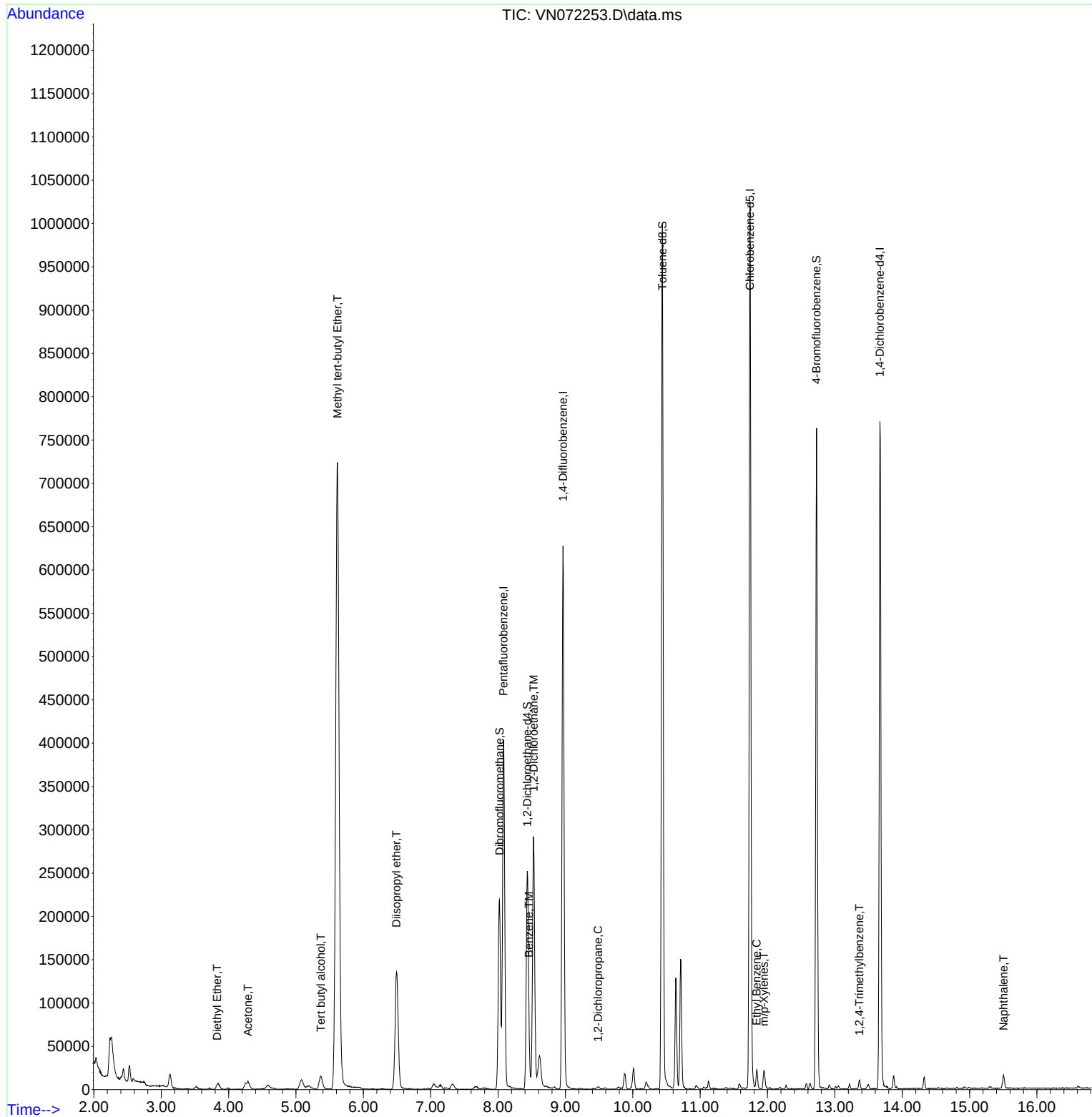
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.081  | 168   | 286048   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.963  | 114   | 533216   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.739 | 117   | 571878   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.669 | 152   | 210857   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.434  | 65    | 216417   | 49.281   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 98.560%  |
| 35) Dibromofluoromethane    | 8.022  | 113   | 160378   | 46.992   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 93.980%  |
| 50) Toluene-d8              | 10.439 | 98    | 679520   | 50.670   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 101.340% |
| 62) 4-Bromofluorobenzene    | 12.727 | 95    | 267907   | 60.187   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 120.380% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 8) Diethyl Ether            | 3.828  | 74    | 2330     | 1.144    | ug/l   | 88       |
| 11) Tert butyl alcohol      | 5.369  | 59    | 29724    | 41.188   | ug/l   | # 72     |
| 16) Acetone                 | 4.287  | 43    | 14042    | 7.417    | ug/l   | # 88     |
| 19) Methyl tert-butyl Ether | 5.616  | 73    | 1241341  | 115.916  | ug/l   | 99       |
| 22) Diisopropyl ether       | 6.493  | 45    | 178538   | 15.281   | ug/l   | 91       |
| 40) Benzene                 | 8.457  | 78    | 17843    | 1.158    | ug/l   | 98       |
| 42) 1,2-Dichloroethane      | 8.528  | 62    | 274184   | 46.479   | ug/l   | 97       |
| 45) 1,2-Dichloropropane     | 9.486  | 63    | 1392     | 0.334    | ug/l   | 94       |
| 67) Ethyl Benzene           | 11.839 | 91    | 15508    | 0.770    | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.945 | 106   | 7123     | 0.952    | ug/l   | 82       |
| 84) 1,2,4-Trimethylbenzene  | 13.363 | 105   | 6745     | 0.449    | ug/l   | 98       |
| 95) Naphthalene             | 15.504 | 128   | 16161    | 5.652    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

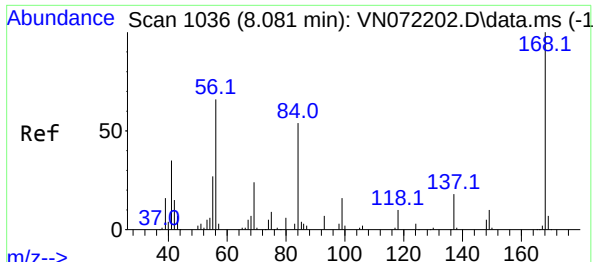
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042822\  
Data File : VN072253.D  
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Sample : N2617-16  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17IR

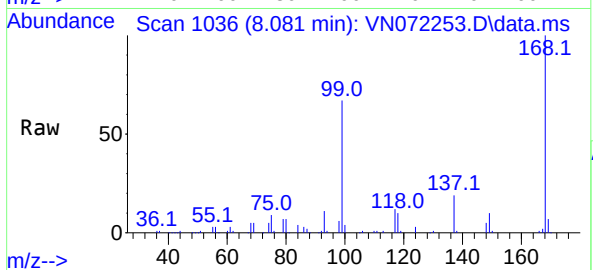
Quant Time: Apr 29 06:38:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042622W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 26 18:50:11 2022  
Response via : Initial Calibration



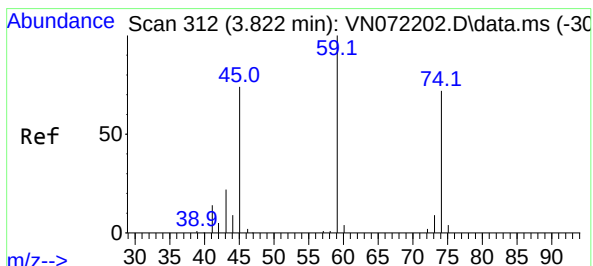
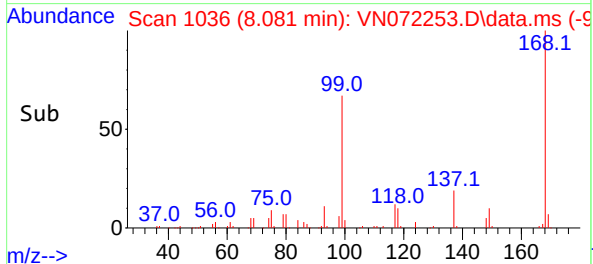
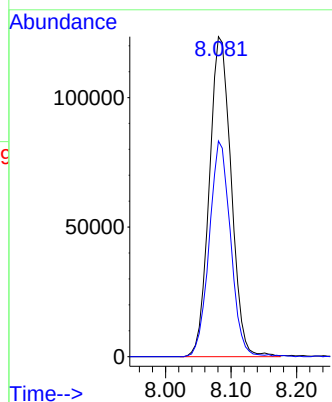


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17IR

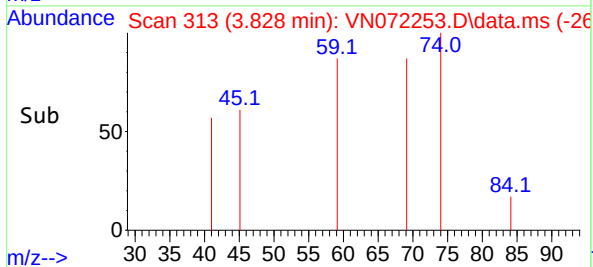
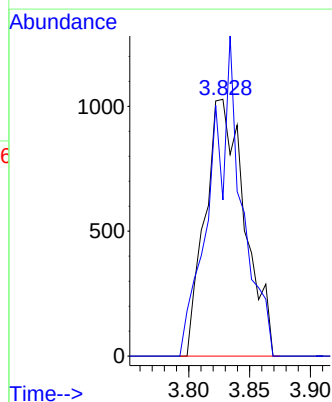
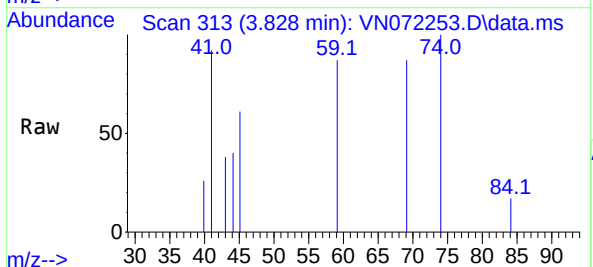


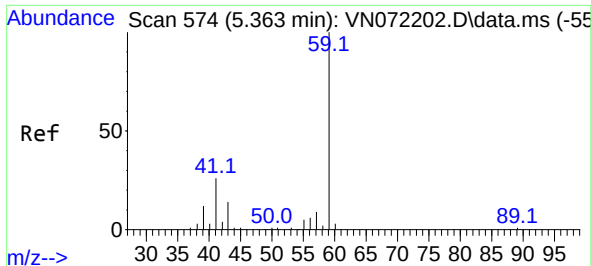
Tgt Ion:168 Resp: 286048  
Ion Ratio Lower Upper  
168 100  
99 67.4 42.3 63.5#



#8  
Diethyl Ether  
Concen: 1.144 ug/l  
RT: 3.828 min Scan# 313  
Delta R.T. 0.006 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Tgt Ion: 74 Resp: 2330  
Ion Ratio Lower Upper  
74 100  
45 96.8 42.9 128.5

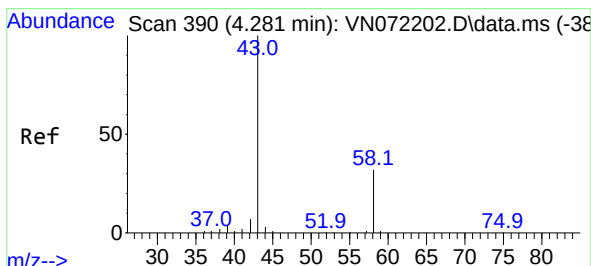
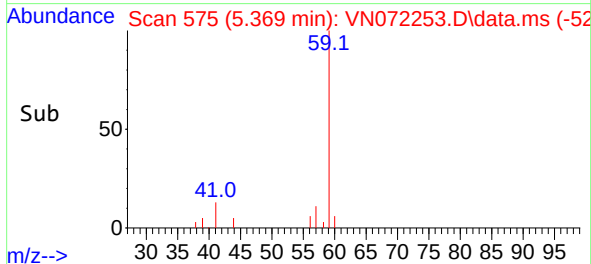
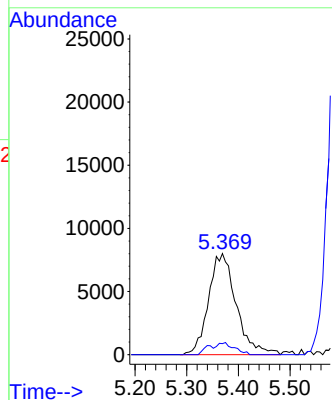
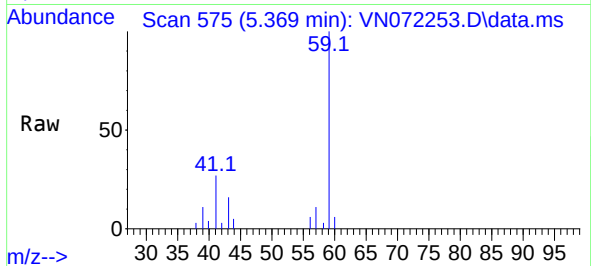




#11  
Tert butyl alcohol  
Concen: 41.188 ug/l  
RT: 5.369 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

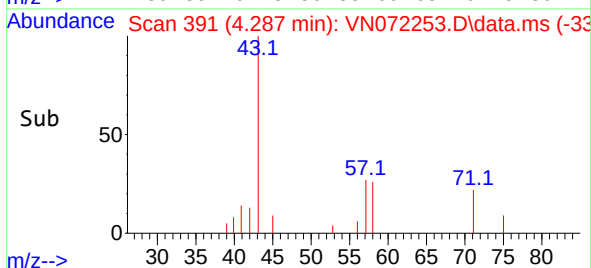
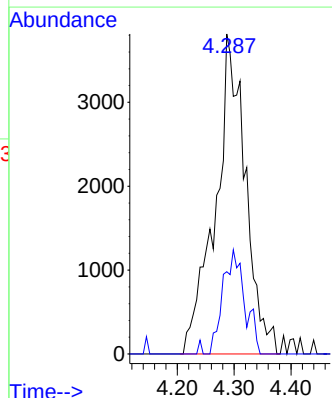
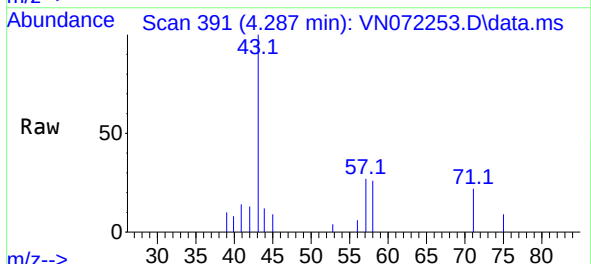
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17IR

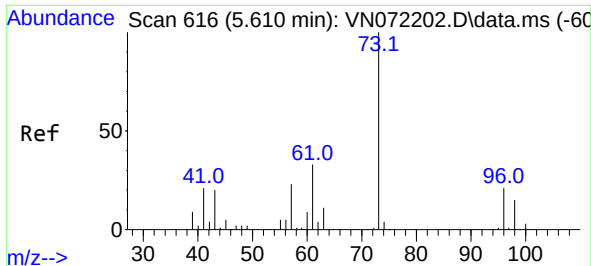
Tgt Ion: 59 Resp: 29724  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#16  
Acetone  
Concen: 7.417 ug/l  
RT: 4.287 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Tgt Ion: 43 Resp: 14042  
Ion Ratio Lower Upper  
43 100  
58 25.7 26.0 39.0#

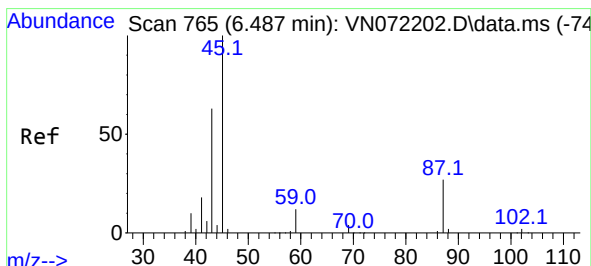
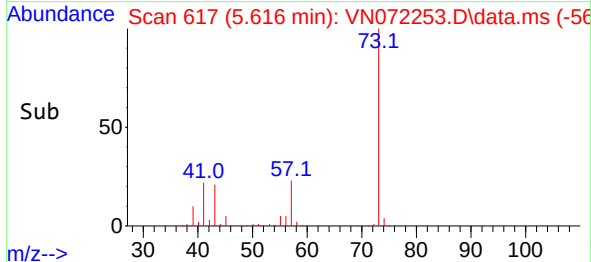
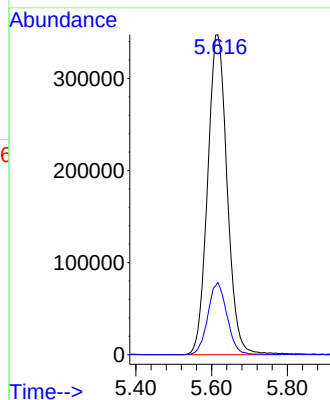
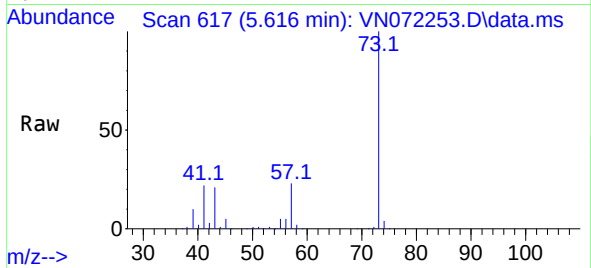




#19  
Methyl tert-butyl Ether  
Concen: 115.916 ug/l  
RT: 5.616 min Scan# 616  
Delta R.T. 0.006 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

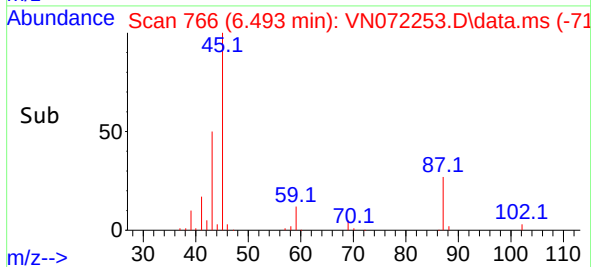
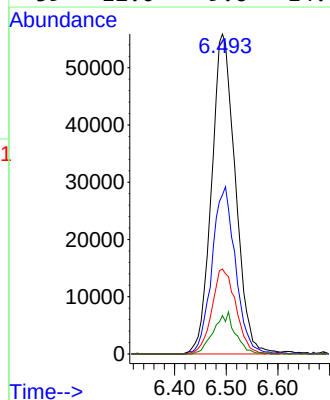
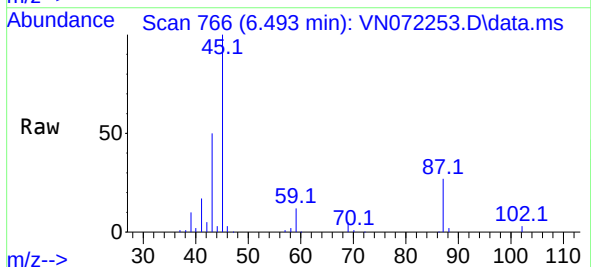
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17IR

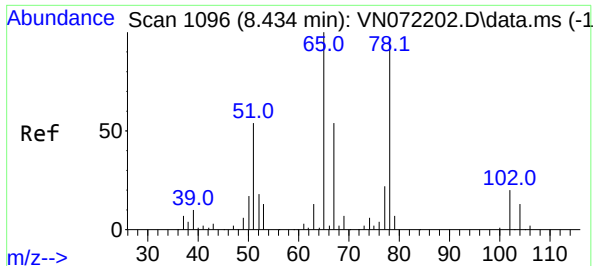
Tgt Ion: 73 Resp: 1241341  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.6 26.4



#22  
Diisopropyl ether  
Concen: 15.281 ug/l  
RT: 6.493 min Scan# 766  
Delta R.T. 0.006 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Tgt Ion: 45 Resp: 178538  
Ion Ratio Lower Upper  
45 100  
43 49.7 46.6 70.0  
87 26.6 24.3 36.5  
59 12.0 9.6 14.4





#33

1,2-Dichloroethane-d4

Concen: 49.281 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072253.D

Acq: 28 Apr 2022 21:24

Instrument :

MSVOA\_N

ClientSampleId :

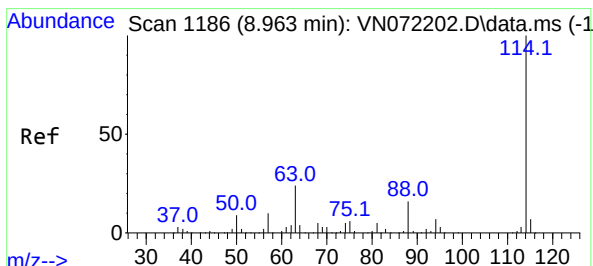
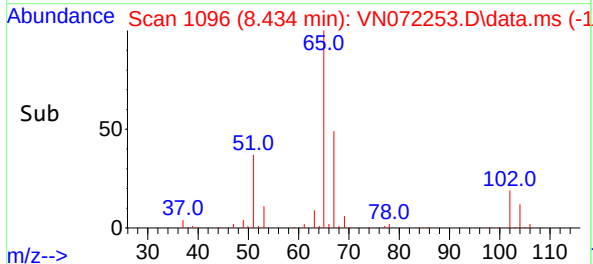
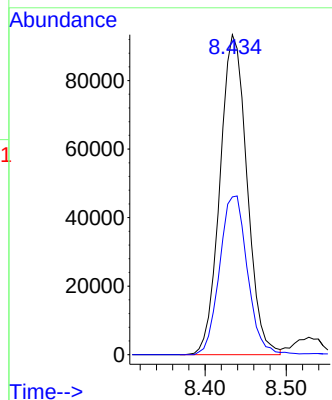
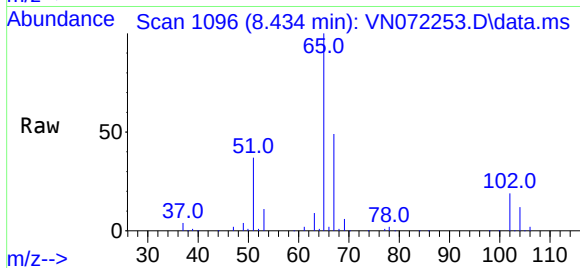
MW-17IR

Tgt Ion: 65 Resp: 216417

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072253.D

Acq: 28 Apr 2022 21:24

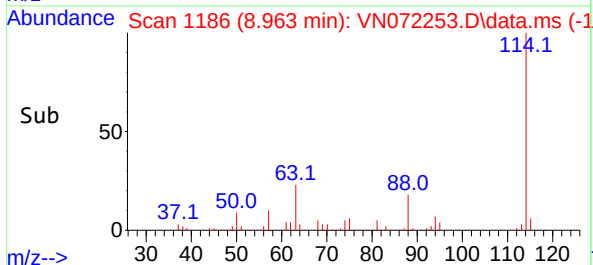
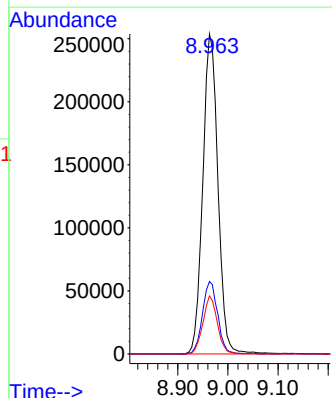
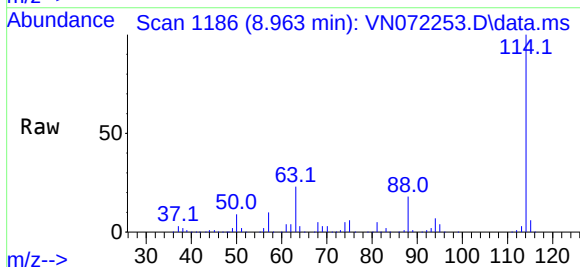
Tgt Ion: 114 Resp: 533216

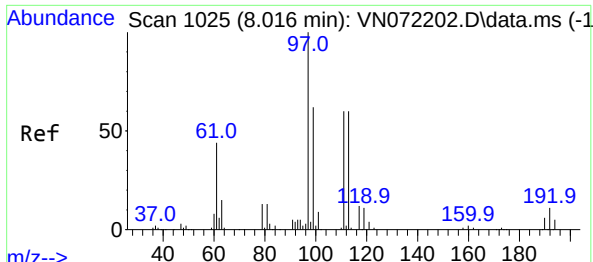
Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

88 18.2 0.0 32.6

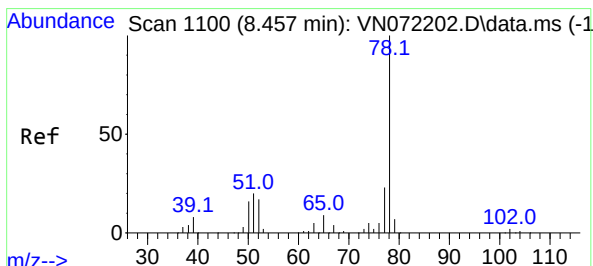
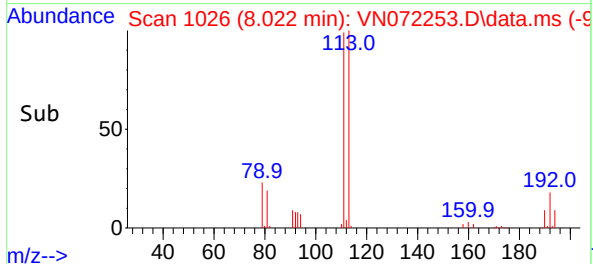
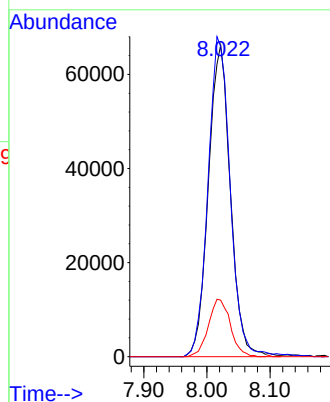
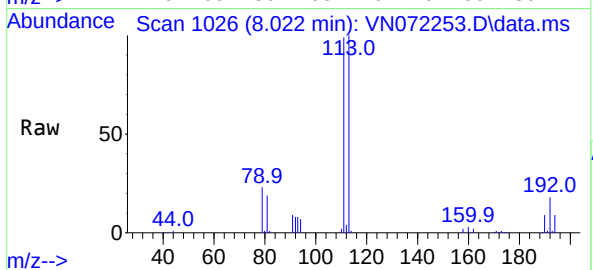




#35  
Dibromofluoromethane  
Concen: 46.992 ug/l  
RT: 8.022 min Scan# 1100  
Delta R.T. 0.006 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

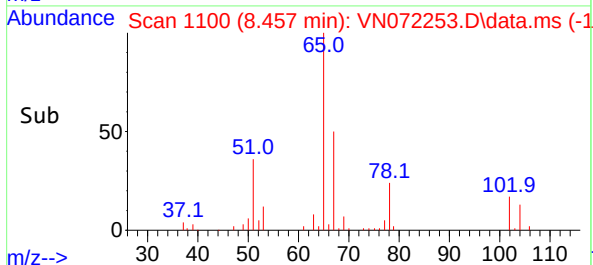
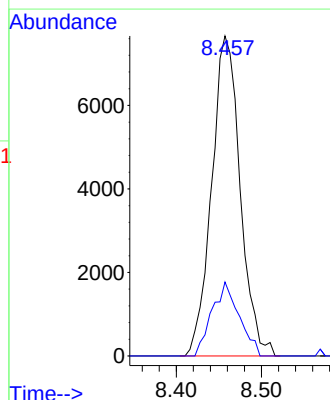
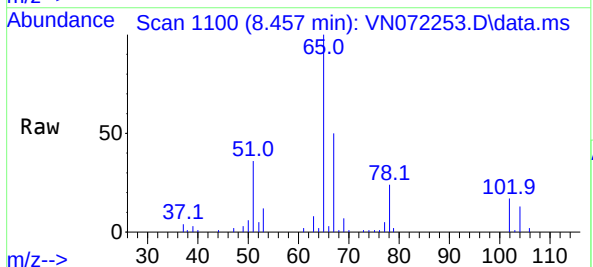
Instrument :  
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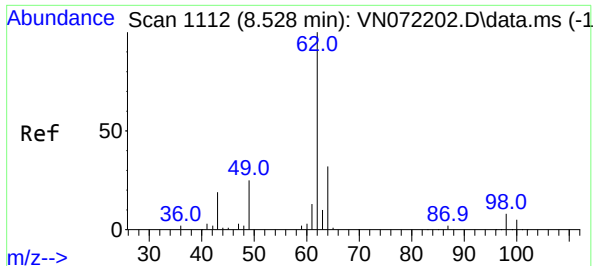
Tgt Ion:113 Resp: 160378  
Ion Ratio Lower Upper  
113 100  
111 103.7 81.4 122.0  
192 18.4 17.0 25.6



#40  
Benzene  
Concen: 1.158 ug/l  
RT: 8.457 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Tgt Ion: 78 Resp: 17843  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.4 29.0

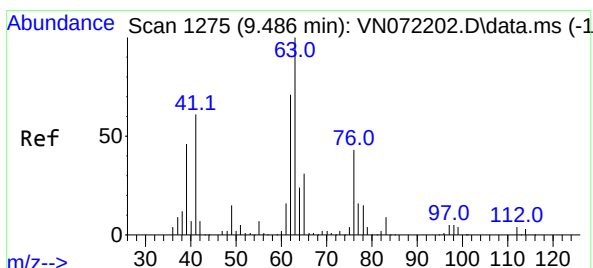
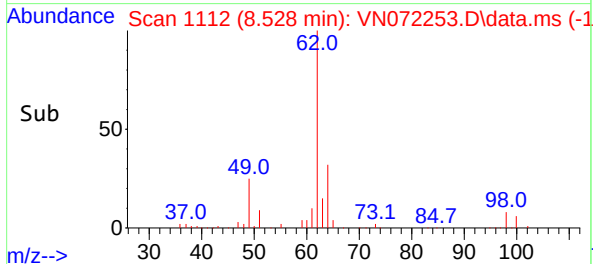
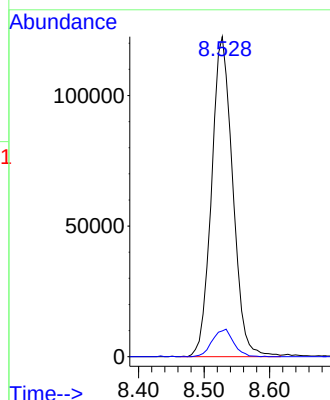
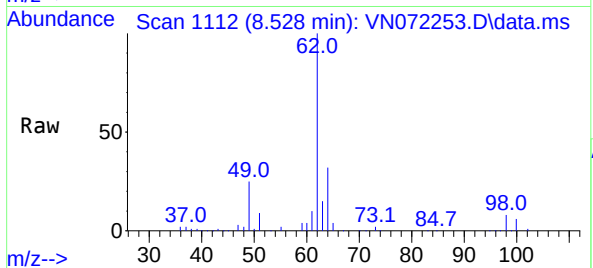




#42  
1,2-Dichloroethane  
Concen: 46.479 ug/l  
RT: 8.528 min Scan# 1112  
Delta R.T. -0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

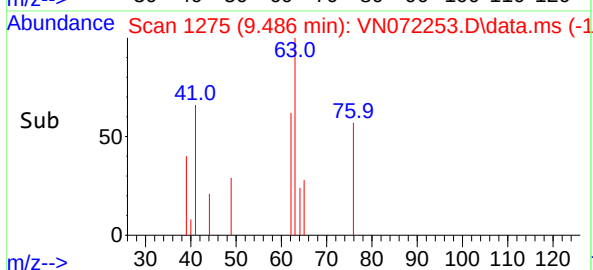
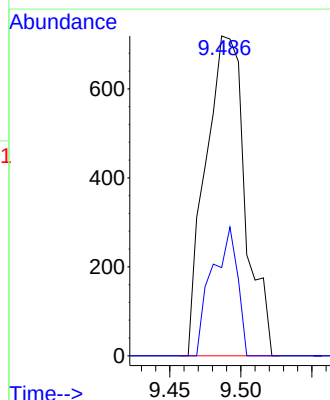
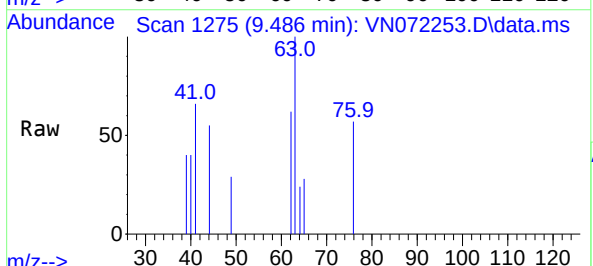
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17IR

Tgt Ion: 62 Resp: 274184  
Ion Ratio Lower Upper  
62 100  
98 8.7 0.0 19.4

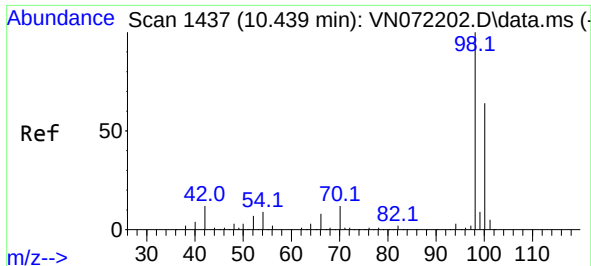


#45  
1,2-Dichloropropane  
Concen: 0.334 ug/l  
RT: 9.486 min Scan# 1275  
Delta R.T. 0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Tgt Ion: 63 Resp: 1392  
Ion Ratio Lower Upper  
63 100  
65 27.5 24.9 37.3



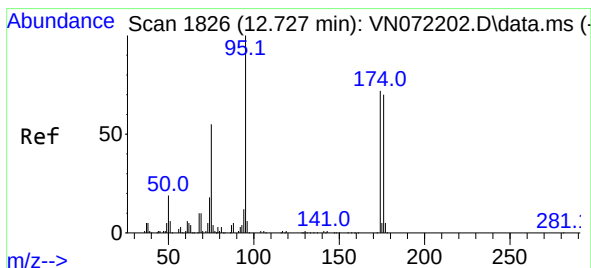
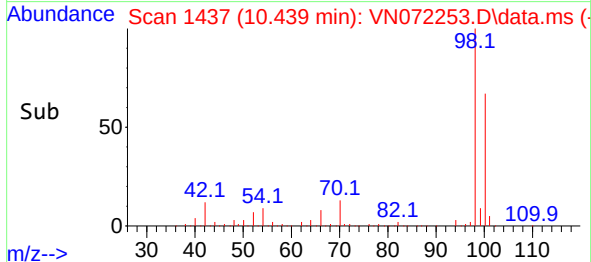
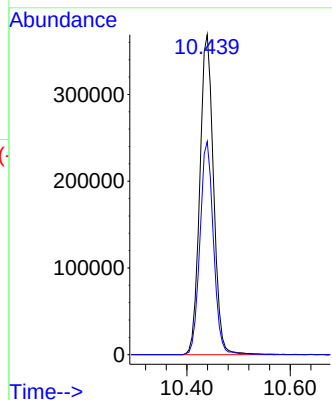
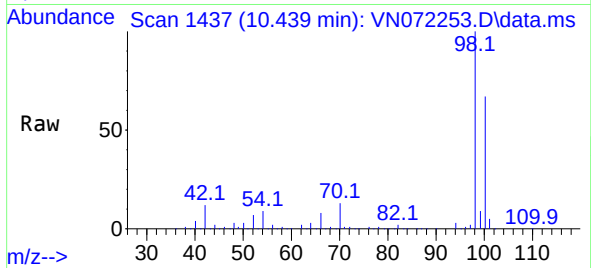




#50  
Toluene-d8  
Concen: 50.670 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

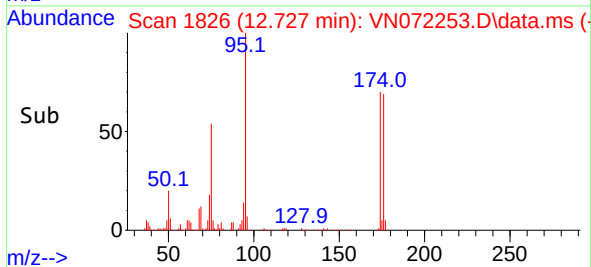
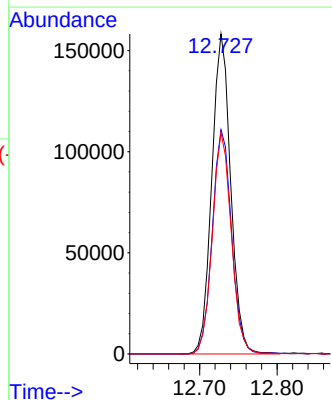
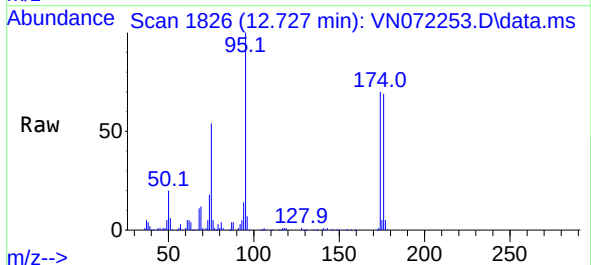
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17IR

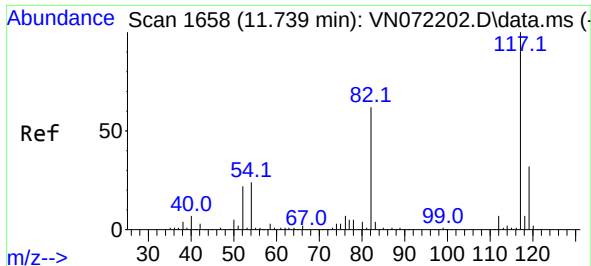
Tgt Ion: 98 Resp: 679520  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 60.187 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Tgt Ion: 95 Resp: 267907  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 167.6  
176 69.5 0.0 163.4

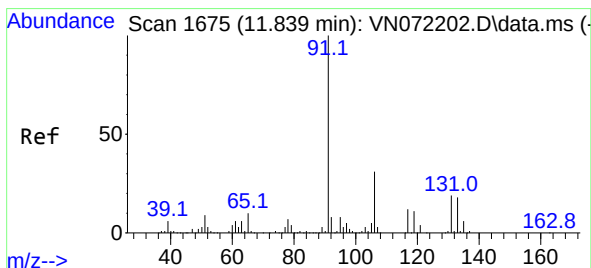
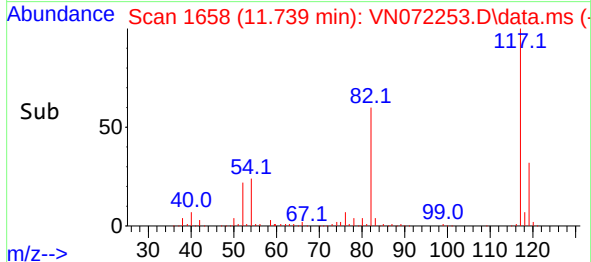
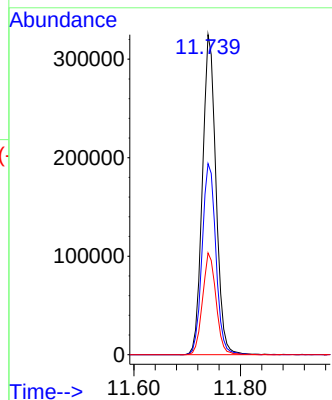
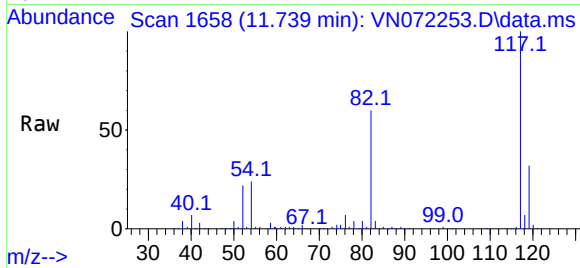




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

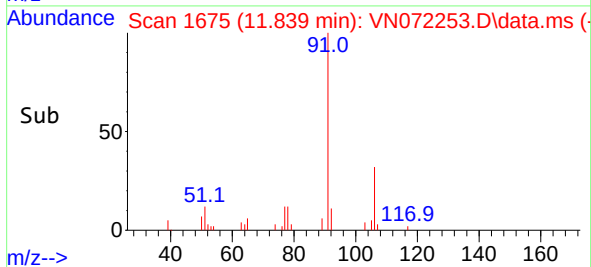
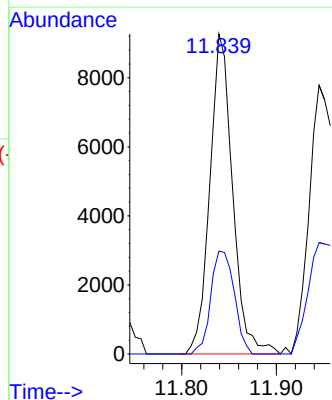
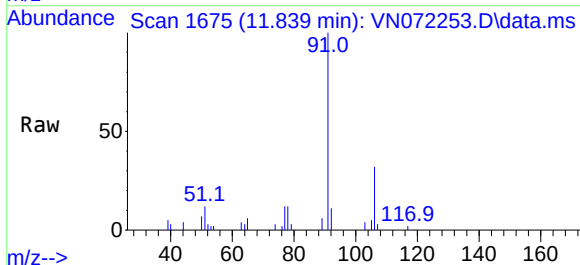
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17IR

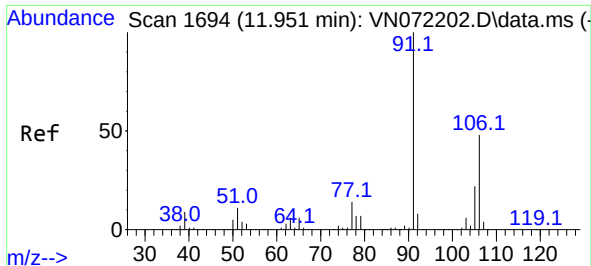
Tgt Ion:117 Resp: 571878  
Ion Ratio Lower Upper  
117 100  
82 59.7 44.2 66.2  
119 31.8 25.4 38.0



#67  
Ethyl Benzene  
Concen: 0.770 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Tgt Ion: 91 Resp: 15508  
Ion Ratio Lower Upper  
91 100  
106 32.2 24.9 37.3

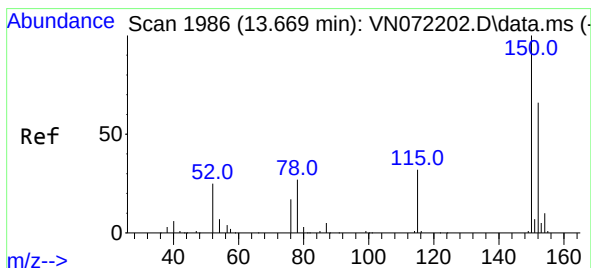
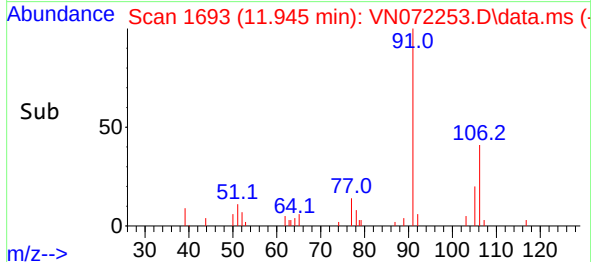
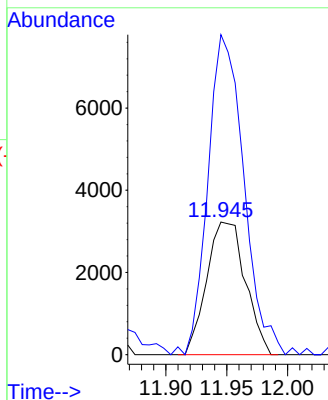
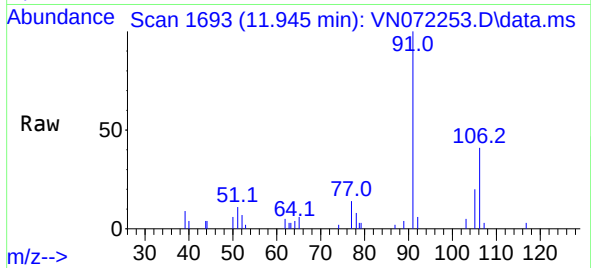




#68  
m/p-Xylenes  
Concen: 0.952 ug/l  
RT: 11.945 min Scan# 1693  
Delta R.T. -0.006 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

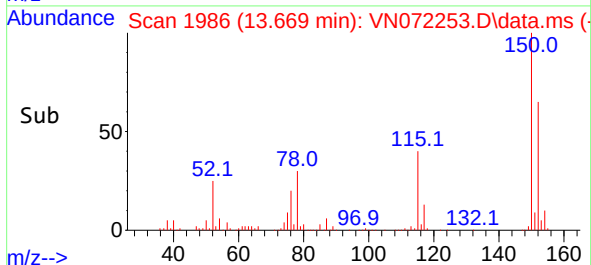
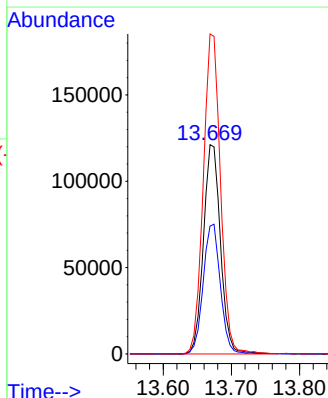
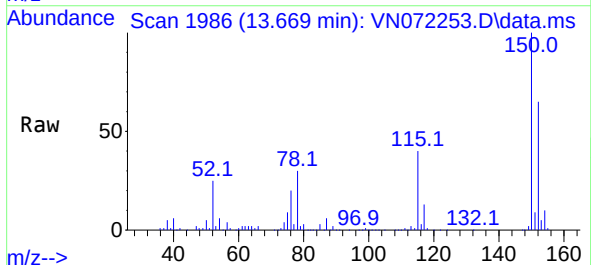
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17IR

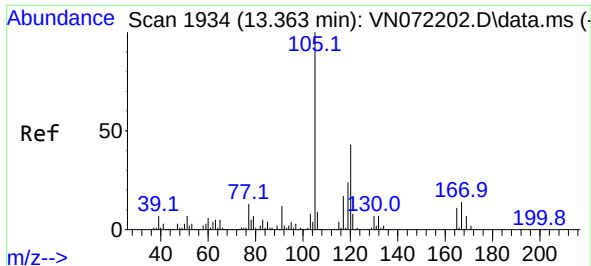
Tgt Ion:106 Resp: 7123  
Ion Ratio Lower Upper  
106 100  
91 225.1 158.9 238.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. -0.000 min  
Lab File: VN072253.D  
Acq: 28 Apr 2022 21:24

Tgt Ion:152 Resp: 210857  
Ion Ratio Lower Upper  
152 100  
115 62.6 28.9 86.7  
150 154.5 0.0 356.2

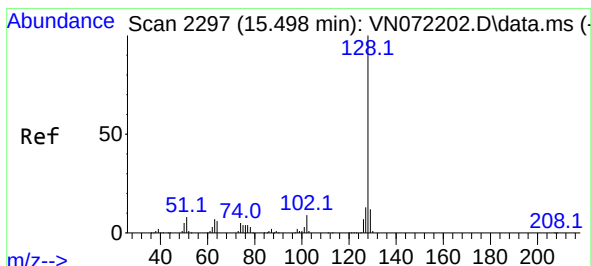
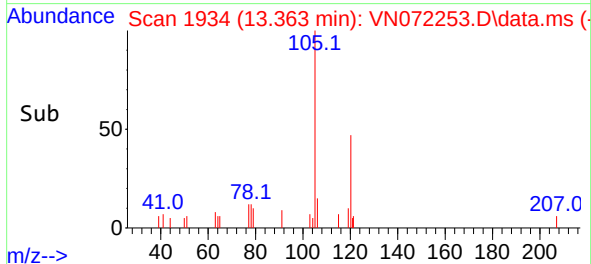
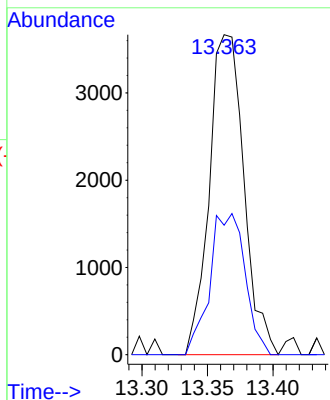
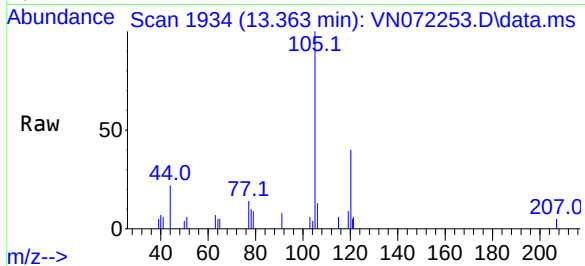




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.449 ug/l  
 RT: 13.363 min Scan# 1934  
 Delta R.T. -0.000 min  
 Lab File: VN072253.D  
 Acq: 28 Apr 2022 21:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-17IR

Tgt Ion:105 Resp: 6745  
 Ion Ratio Lower Upper  
 105 100  
 120 44.8 23.3 69.8



#95  
 Naphthalene  
 Concen: 5.652 ug/l  
 RT: 15.504 min Scan# 2298  
 Delta R.T. 0.006 min  
 Lab File: VN072253.D  
 Acq: 28 Apr 2022 21:24

Tgt Ion:128 Resp: 16161  
 Ion Ratio Lower Upper  
 128 100  
 127 13.9 10.3 15.5  
 129 10.7 8.6 13.0

