

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061122\  
 Data File : VN072792.D  
 Acq On : 11 Jun 2022 16:55  
 Operator : JC\MD  
 Sample : N3283-01RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 220608036-02-VOA

Quant Time: Jun 13 01:20:28 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         | 7.651     | 128   | 33395    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene       | 8.963     | 114   | 199446   | 30.000   | ug/l       | # 0.00   |
| 57) Chlorobenzene-d5          | 11.739    | 117   | 172376   | 30.000   | ug/l       | 0.00     |
|                               |           |       |          |          |            |          |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4     | 8.434     | 65    | 125105   | 32.848   | ug/l       | 0.00     |
| Spiked Amount                 | 30.000    | Range | 91 - 110 | Recovery | = 109.500% |          |
| 60) 4-Bromofluorobenzene      | 12.727    | 95    | 97592    | 27.527   | ug/l       | 0.00     |
| Spiked Amount                 | 30.000    | Range | 63 - 112 | Recovery | = 91.767%  |          |
| 63) Toluene-d8                | 10.439    | 98    | 297479   | 31.153   | ug/l       | 0.00     |
| Spiked Amount                 | 30.000    | Range | 91 - 112 | Recovery | = 103.833% |          |
|                               |           |       |          |          |            |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 3) Chloromethane              | 2.293     | 50    | 642      | 0.236    | ug/l       | 91       |
| 4) Vinyl Chloride             | 2.434     | 62    | 1083     | 0.442    | ug/l       | # 77     |
| 8) Diethyl Ether              | 3.822     | 74    | 3526     | 2.051    | ug/l       | 77       |
| 13) Acrolein                  | 4.322     | 56    | 1307     | 3.280    | ug/l       | # 19     |
| 15) Acetone                   | 4.275     | 58    | 43456    | 86.495   | ug/l       | 84       |
| 16) Carbon Disulfide          | 4.528     | 76    | 2285     | 0.411    | ug/l       | # 73     |
| 17) Allyl chloride            | 4.563     | 41    | 1133     | 0.238    | ug/l       | 72       |
| 23) tert-Butyl Alcohol        | 5.357     | 59    | 1911606  | 2213.756 | ug/l       | # 100    |
| 24) Methyl tert-Butyl Ether   | 5.610     | 73    | 17884    | 1.823    | ug/l       | 95       |
| 30) 2-Butanone                | 7.328     | 43    | 388321   | 141.133  | ug/l       | # 87     |
| 31) 2,2-Dichloropropane       | 7.310     | 77    | 129152   | 25.096   | ug/l       | # 53     |
| 34) Benzene                   | 8.451     | 78    | 39195    | 3.485    | ug/l       | # 47     |
| 35) Methacrylonitrile         | 7.681     | 41    | 286756   | 106.289  | ug/l       | # 45     |
| 45) 1,4-Dioxane               | 9.569     | 88    | 5854     | 81.464   | ug/l       | # 78     |
| 50) 1,1,2-Trichloroethane     | 10.804    | 97    | 642      | 0.214    | ug/l       | # 28     |
| 56) Bromoform                 | 12.727    | 173   | 853      | 0.370    | ug/l       | # 1      |
| 58) 4-Methyl-2-Pentanone      | 10.322    | 43    | 15783    | 3.053    | ug/l       | # 87     |
| 62) Toluene                   | 10.504    | 91    | 34712    | 2.970    | ug/l       | 96       |
| 64) Chlorobenzene             | 11.769    | 112   | 13268    | 1.865    | ug/l       | 95       |
| 66) Ethyl Benzene             | 11.839    | 91    | 101719   | 7.580    | ug/l       | 98       |
| 67) m/p-Xylenes               | 11.951    | 106   | 32446    | 6.629    | ug/l       | 85       |
| 68) o-Xylene                  | 12.274    | 106   | 21203    | 4.246    | ug/l       | 94       |
| 69) Styrene                   | 12.286    | 104   | 3857     | 0.487    | ug/l       | # 9      |
| 70) Isopropylbenzene          | 12.574    | 105   | 11726    | 0.899    | ug/l       | 97       |
| 74) n-propylbenzene           | 12.916    | 91    | 5612     | 0.376    | ug/l       | 96       |
| 75) 2-Chlorotoluene           | 13.010    | 91    | 2282     | 0.247    | ug/l       | 97       |
| 76) 1,3,5-Trimethylbenzene    | 13.051    | 105   | 6611     | 0.617    | ug/l       | 100      |
| 78) 4-Chlorotoluene           | 13.010    | 91    | 2282     | 0.261    | ug/l       | 96       |
| 79) tert-butylbenzene         | 13.616    | 119   | 10882    | 1.138    | ug/l       | 66       |
| 82) p-Isopropyltoluene        | 13.616    | 119   | 10882    | 1.056    | ug/l       | 93       |
| 83) 1,3-Dichlorobenzene       | 13.692    | 146   | 14464    | 3.115    | ug/l       | 98       |
| 84) 1,4-Dichlorobenzene       | 13.692    | 146   | 14464    | 3.208    | ug/l       | 96       |
| 87) 1,2-Dichlorobenzene       | 13.692    | 146   | 14464    | 3.148    | ug/l       | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.598    | 75    | 240      | 0.217    | ug/l       | # 5      |
| 89) 1,2,4-Trichlorobenzene    | 15.257    | 180   | 1110     | 0.479    | ug/l       | # 78     |
| 91) Naphthalene               | 15.504    | 128   | 208696   | 22.587   | ug/l       | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.698    | 180   | 1477     | 0.627    | ug/l       | 79       |
| -----                         |           |       |          |          |            |          |

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

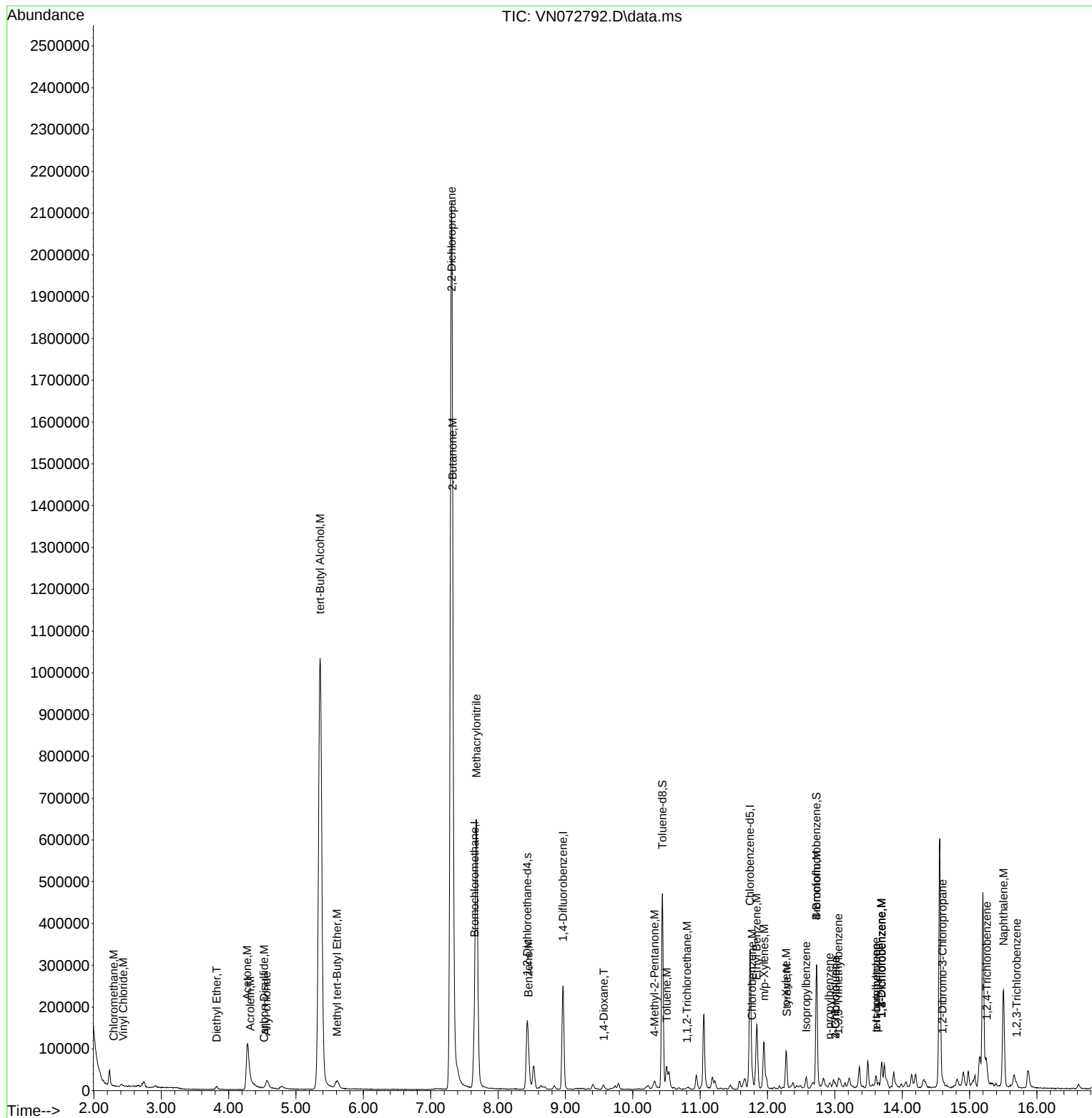
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jun 06 14:10:15 2022  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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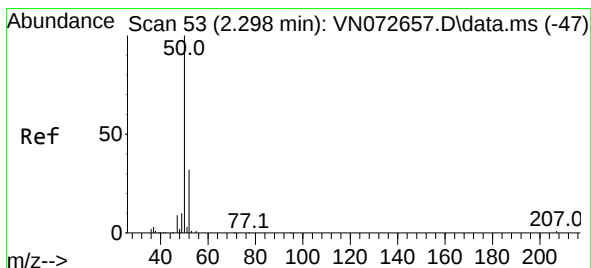
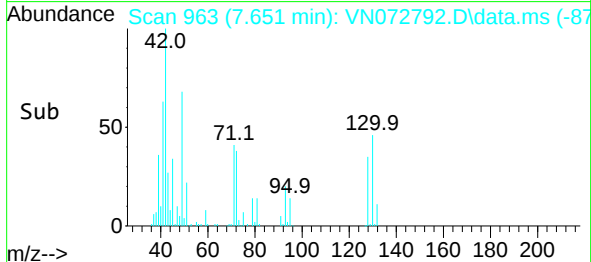
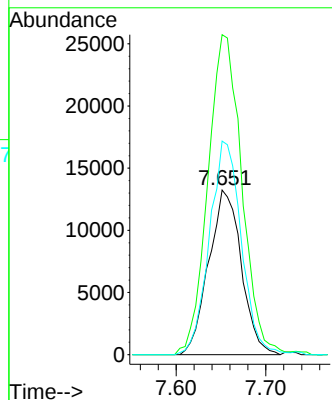
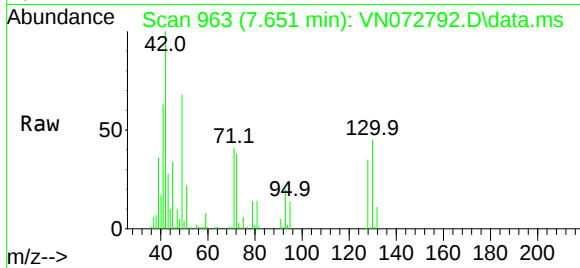




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.651 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

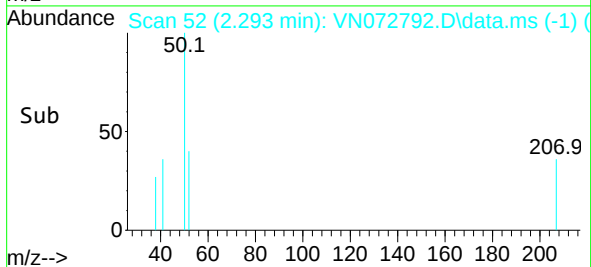
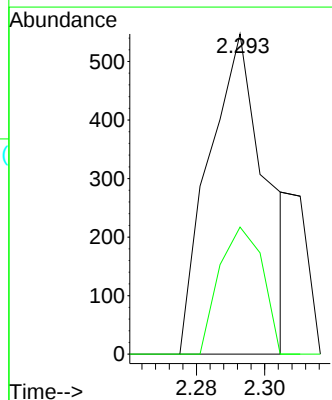
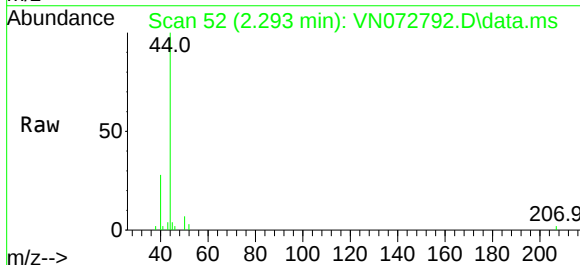
Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

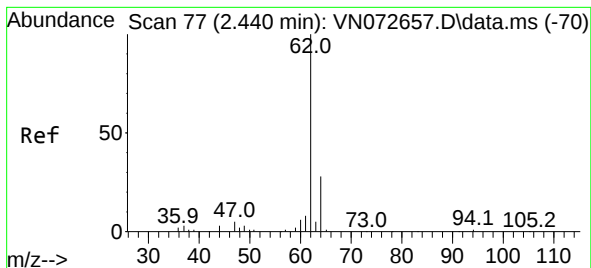
Tgt Ion:128 Resp: 33395  
Ion Ratio Lower Upper  
128 100  
49 201.6 0.0 392.3  
130 127.0 0.0 320.2



#3  
Chloromethane  
Concen: 0.236 ug/l  
RT: 2.293 min Scan# 52  
Delta R.T. -0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 50 Resp: 642  
Ion Ratio Lower Upper  
50 100  
52 39.7 27.8 41.6





#4

Vinyl Chloride

Concen: 0.442 ug/l

RT: 2.434 min Scan# 7

Delta R.T. -0.006 min

Lab File: VN072792.D

Acq: 11 Jun 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

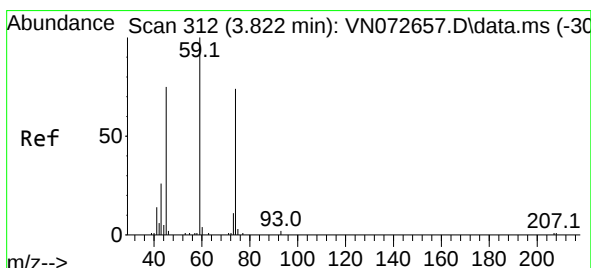
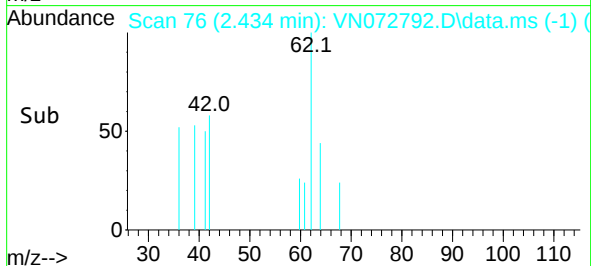
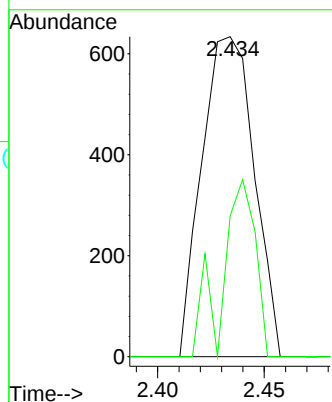
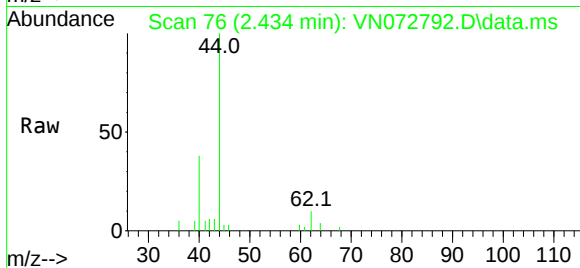
220608036-02-VOA

Tgt Ion: 62 Resp: 1083

Ion Ratio Lower Upper

62 100

64 44.0 25.1 37.7#



#8

Diethyl Ether

Concen: 2.051 ug/l

RT: 3.822 min Scan# 312

Delta R.T. 0.000 min

Lab File: VN072792.D

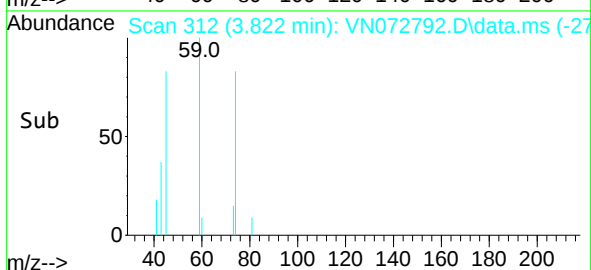
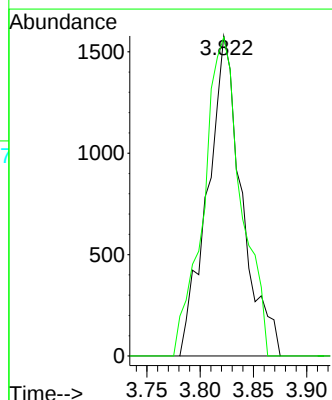
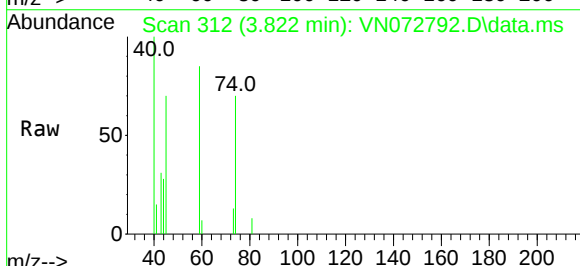
Acq: 11 Jun 2022 16:55

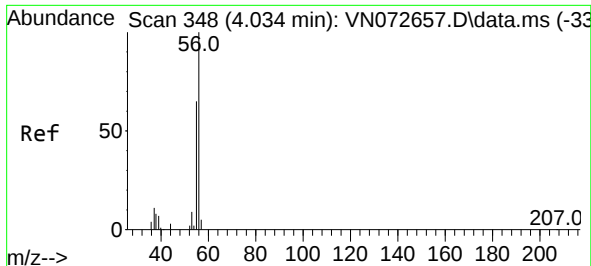
Tgt Ion: 74 Resp: 3526

Ion Ratio Lower Upper

74 100

45 109.4 17.6 158.8

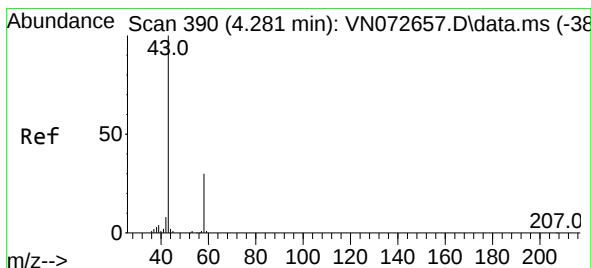
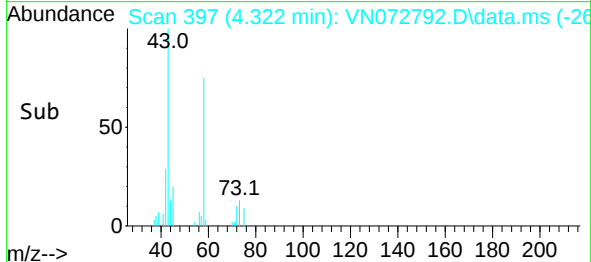
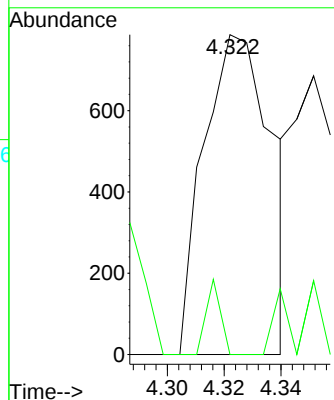
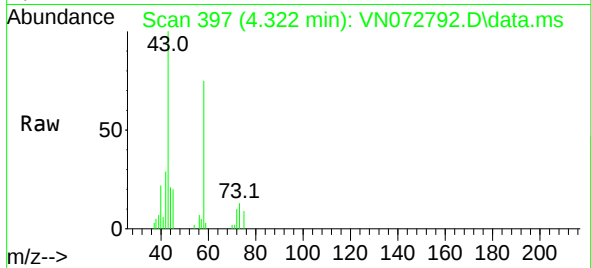




#13  
Acrolein  
Concen: 3.280 ug/l  
RT: 4.322 min Scan# 397  
Delta R.T. 0.288 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

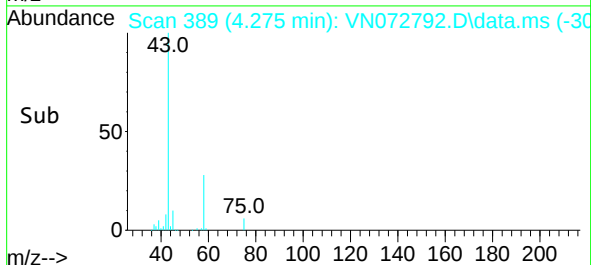
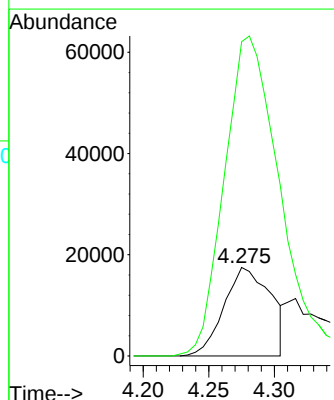
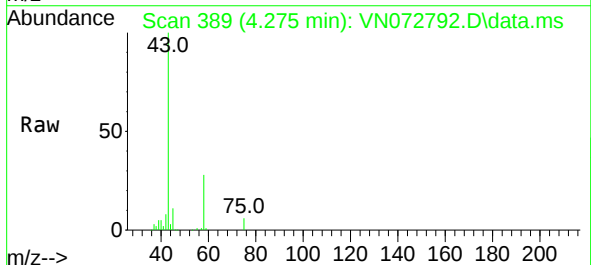
Instrument :  
MSVOA\_N  
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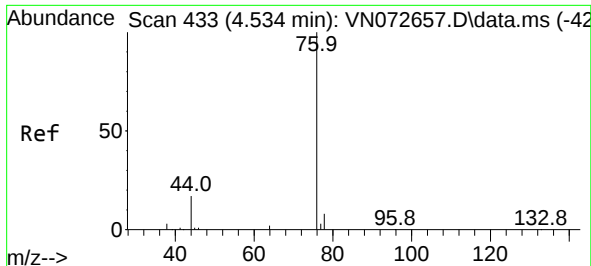
Tgt Ion: 56 Resp: 1307  
Ion Ratio Lower Upper  
56 100  
55 4.4 57.6 86.4#



#15  
Acetone  
Concen: 86.495 ug/l  
RT: 4.275 min Scan# 389  
Delta R.T. -0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 58 Resp: 43456  
Ion Ratio Lower Upper  
58 100  
43 352.9 256.6 384.8

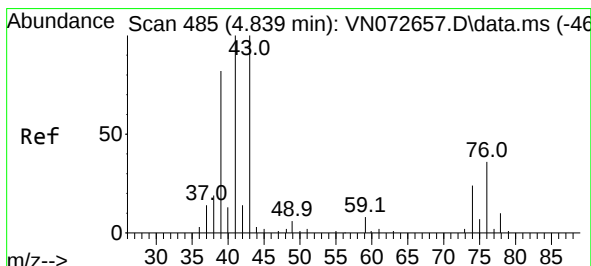
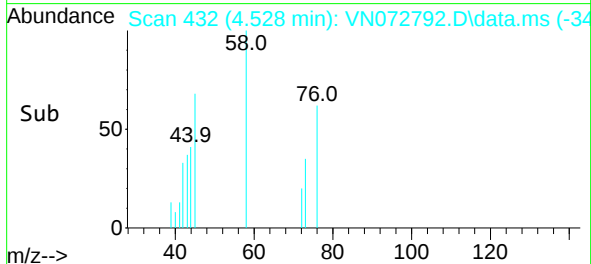
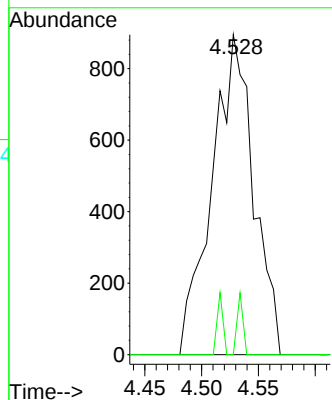
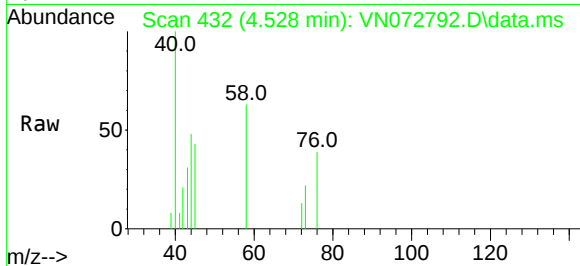




#16  
Carbon Disulfide  
Concen: 0.411 ug/l  
RT: 4.528 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

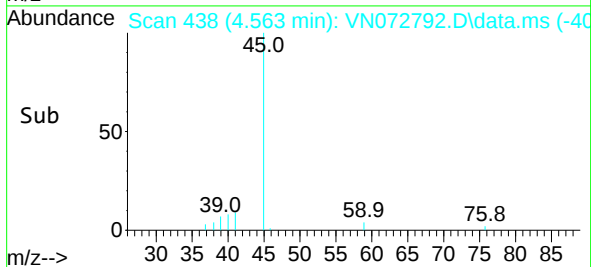
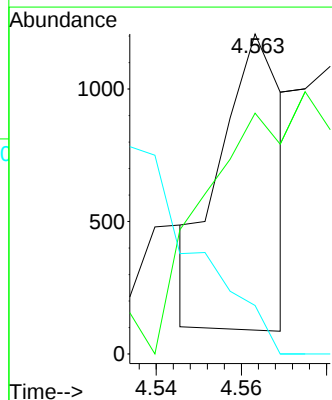
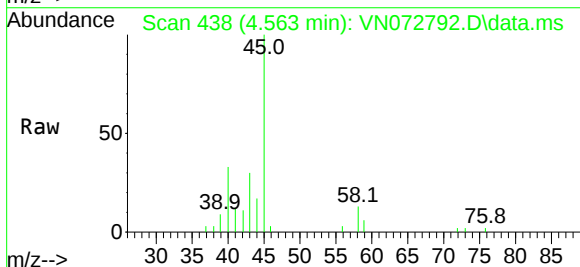
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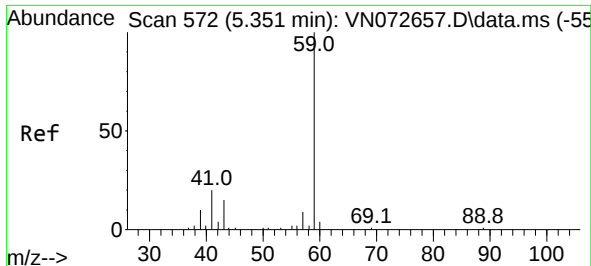
Tgt Ion: 76 Resp: 2285  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.8 11.8#



#17  
Allyl chloride  
Concen: 0.238 ug/l  
RT: 4.563 min Scan# 438  
Delta R.T. -0.276 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 41 Resp: 1133  
Ion Ratio Lower Upper  
41 100  
39 61.0 44.6 134.0  
76 25.4 19.6 58.7

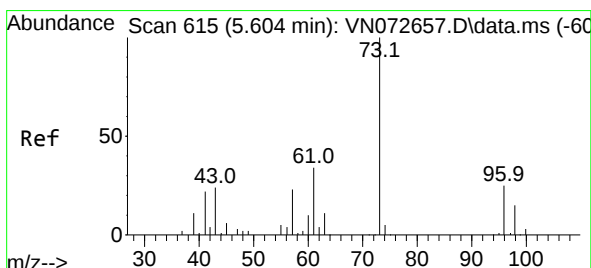
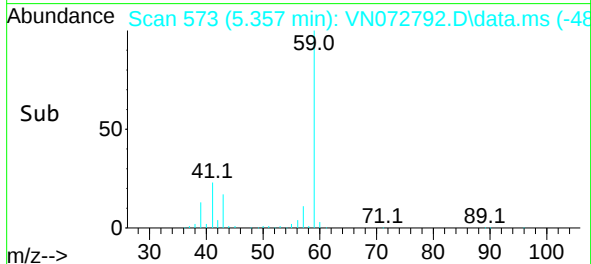
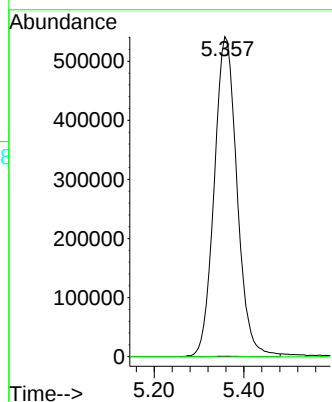
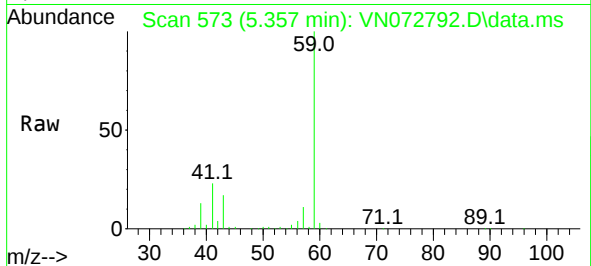




#23  
tert-Butyl Alcohol  
Concen: 2213.756 ug/l  
RT: 5.357 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

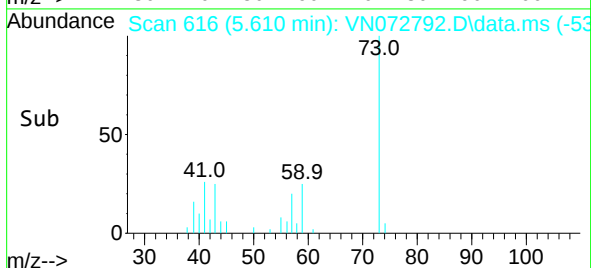
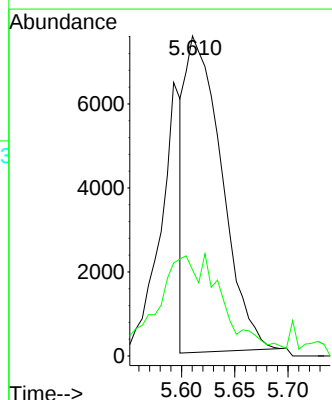
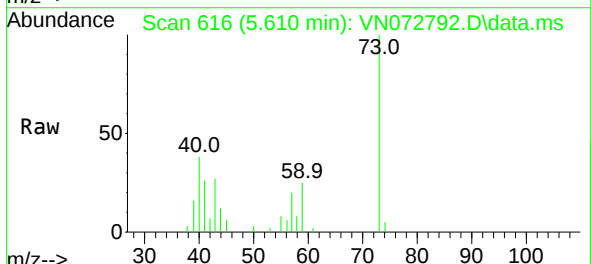
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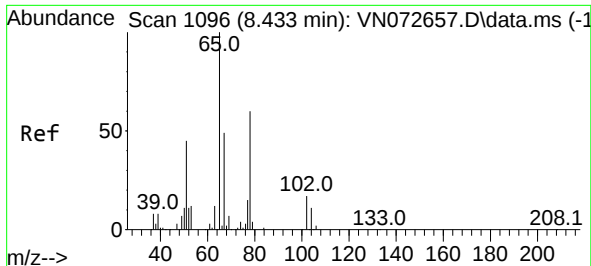
Tgt Ion: 59 Resp: 1911606  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.0 0.0#



#24  
Methyl tert-Butyl Ether  
Concen: 1.823 ug/l  
RT: 5.610 min Scan# 616  
Delta R.T. 0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 73 Resp: 17884  
Ion Ratio Lower Upper  
73 100  
43 25.1 18.1 27.1





#27

1,2-Dichloroethane-d4

Concen: 32.848 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VN072792.D

Acq: 11 Jun 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

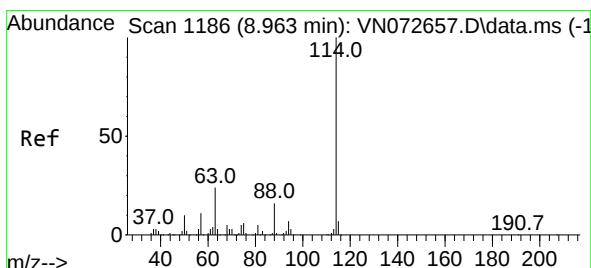
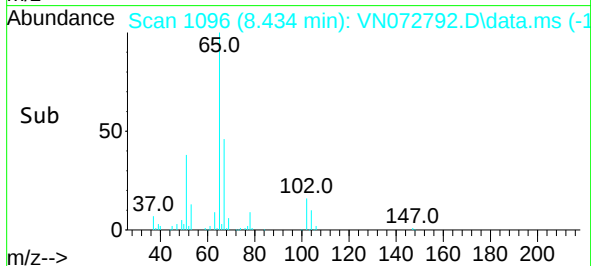
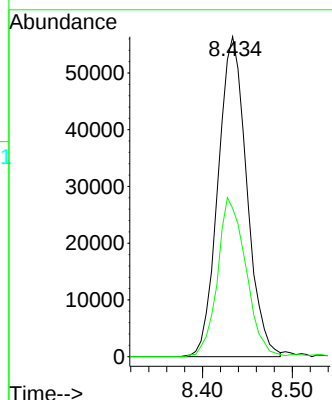
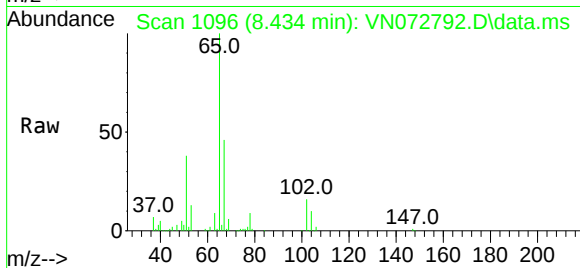
220608036-02-VOA

Tgt Ion: 65 Resp: 125105

Ion Ratio Lower Upper

65 100

67 49.0 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: VN072792.D

Acq: 11 Jun 2022 16:55

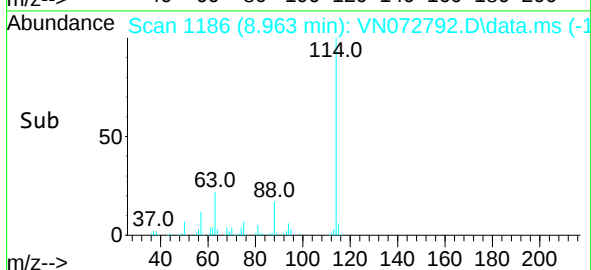
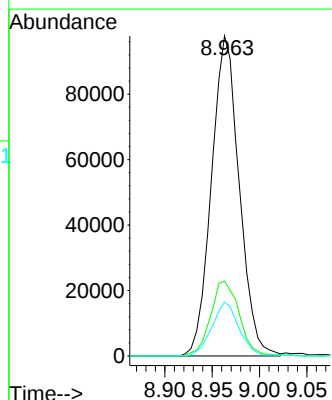
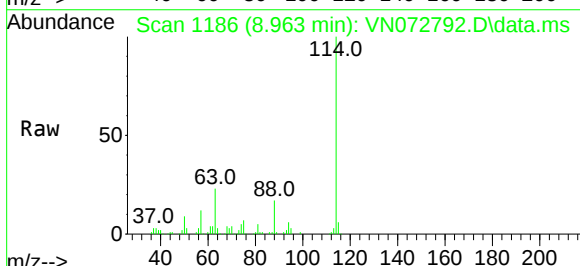
Tgt Ion: 114 Resp: 199446

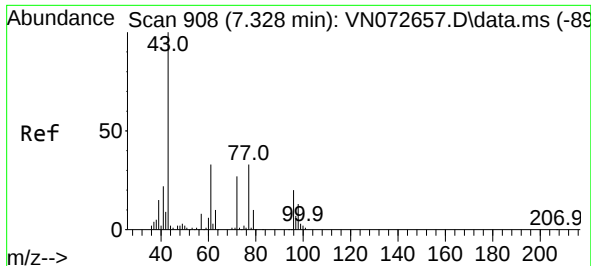
Ion Ratio Lower Upper

114 100

63 24.2 15.8 23.6#

88 16.4 11.6 17.4

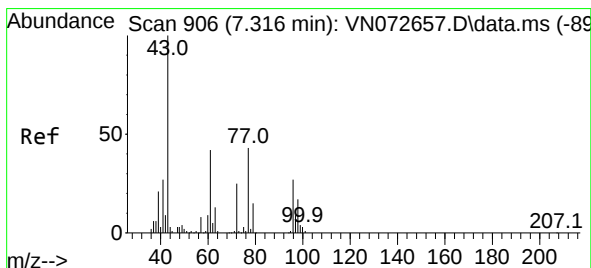
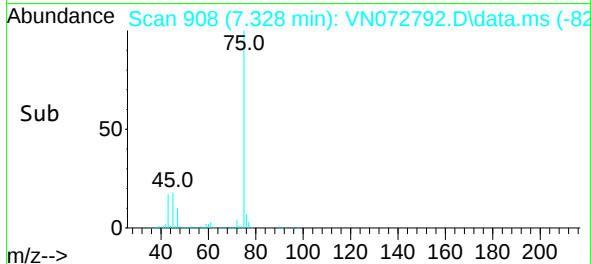
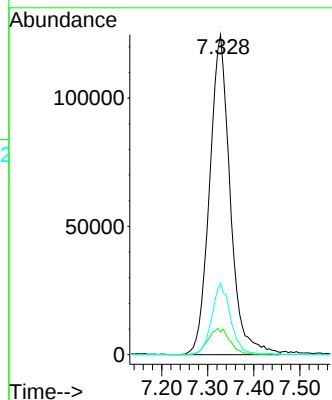
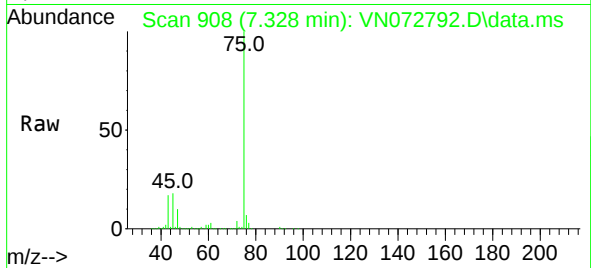




#30  
2-Butanone  
Concen: 141.133 ug/l  
RT: 7.328 min Scan# 908  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

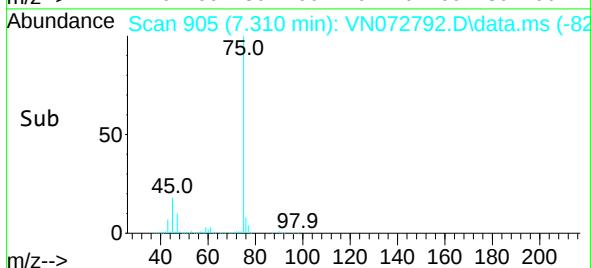
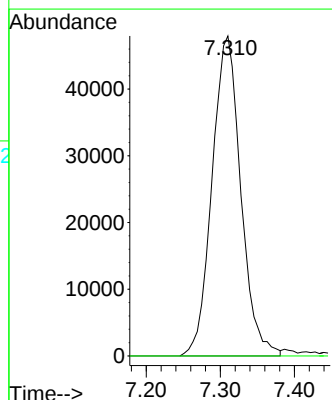
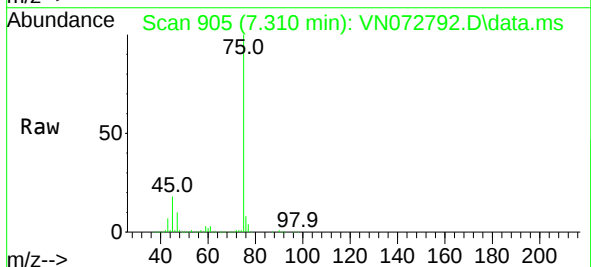
Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

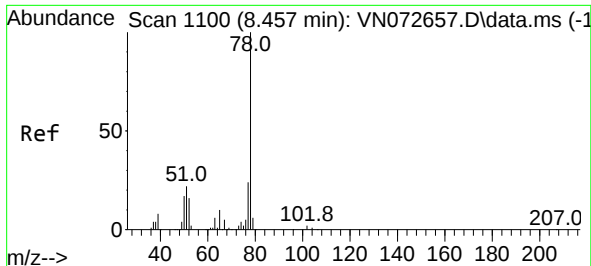
Tgt Ion: 43 Resp: 388321  
Ion Ratio Lower Upper  
43 100  
57 8.7 6.7 10.1  
72 20.2 23.2 34.8#



#31  
2,2-Dichloropropane  
Concen: 25.096 ug/l  
RT: 7.310 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 77 Resp: 129152  
Ion Ratio Lower Upper  
77 100  
97 0.0 18.3 27.5#

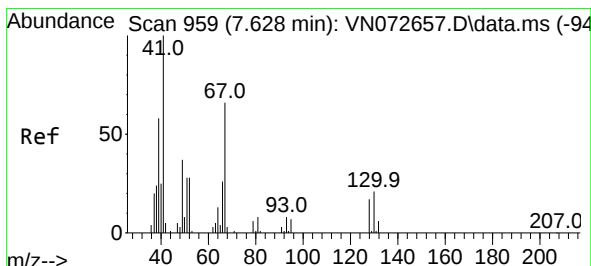
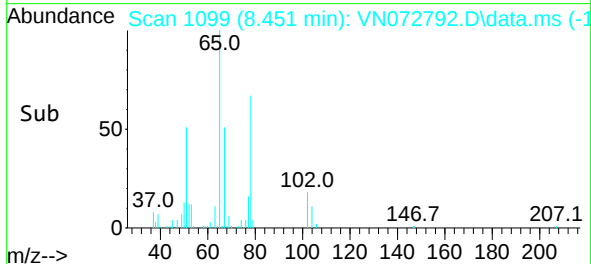
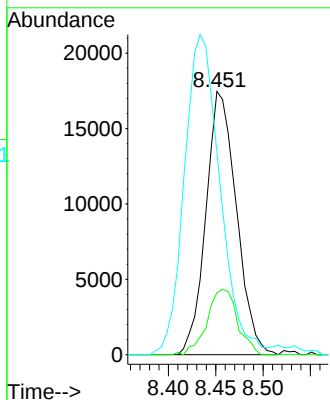
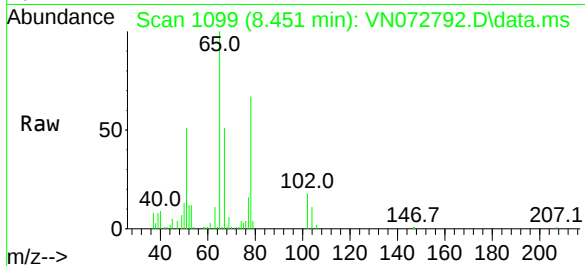




#34  
Benzene  
Concen: 3.485 ug/l  
RT: 8.451 min Scan# 1100  
Delta R.T. -0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

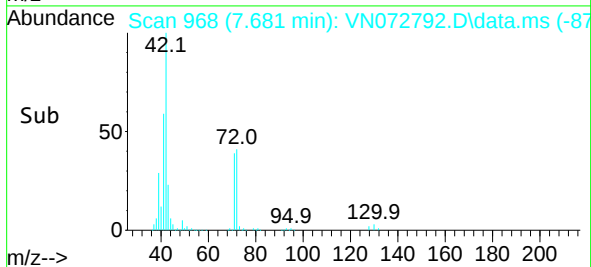
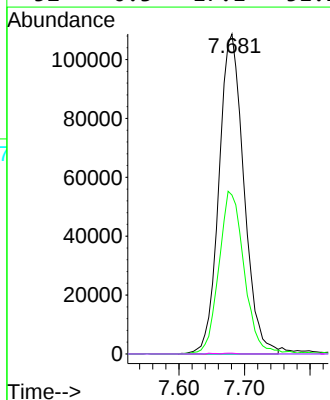
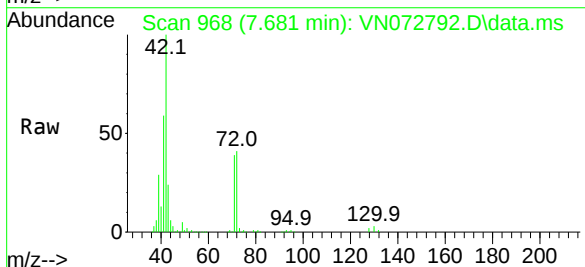
Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

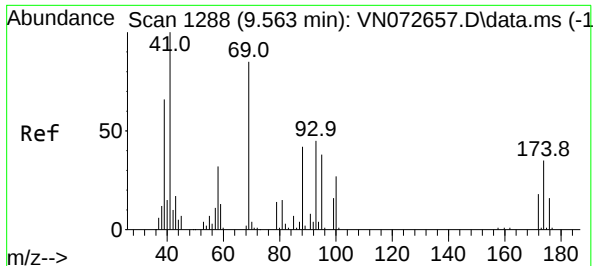
Tgt Ion: 78 Resp: 39195  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.1 28.7  
51 73.4 16.0 24.0#



#35  
Methacrylonitrile  
Concen: 106.289 ug/l  
RT: 7.681 min Scan# 968  
Delta R.T. 0.053 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 41 Resp: 286756  
Ion Ratio Lower Upper  
41 100  
39 49.5 28.0 83.9  
67 0.0 37.7 113.1#  
52 0.3 17.1 51.2#





#45

1,4-Dioxane

Concen: 81.464 ug/l

RT: 9.569 min Scan# 1499

Delta R.T. 0.006 min

Lab File: VN072792.D

Acq: 11 Jun 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

220608036-02-VOA

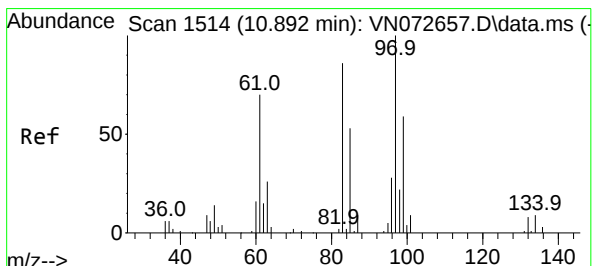
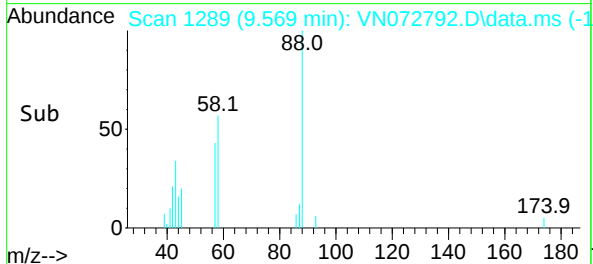
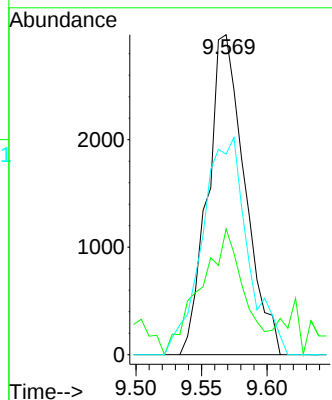
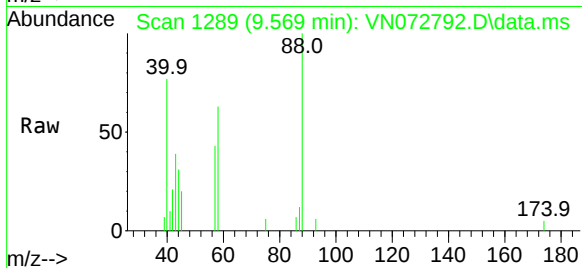
Tgt Ion: 88 Resp: 5854

Ion Ratio Lower Upper

88 100

43 45.5 25.0 37.6#

58 77.2 49.4 74.2#



#50

1,1,2-Trichloroethane

Concen: 0.214 ug/l

RT: 10.804 min Scan# 1499

Delta R.T. -0.088 min

Lab File: VN072792.D

Acq: 11 Jun 2022 16:55

Tgt Ion: 97 Resp: 642

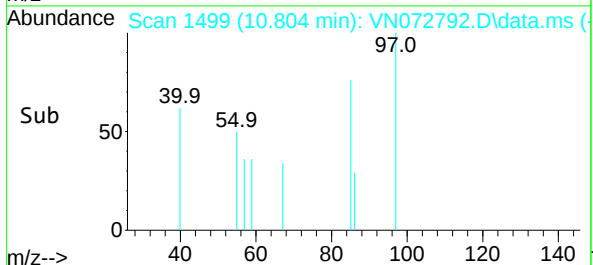
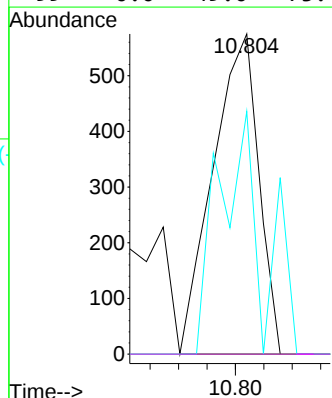
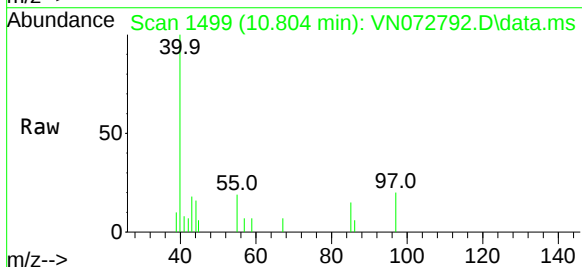
Ion Ratio Lower Upper

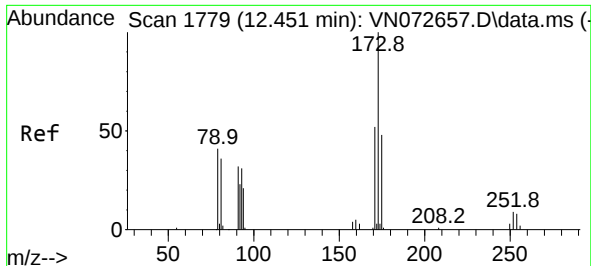
97 100

83 0.0 67.2 100.8#

85 75.8 43.0 64.4#

99 0.0 49.0 73.4#

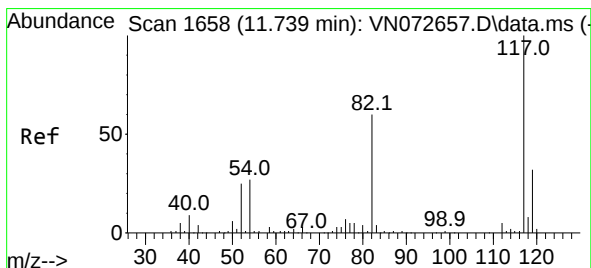
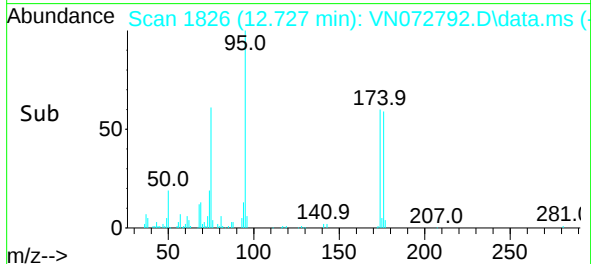
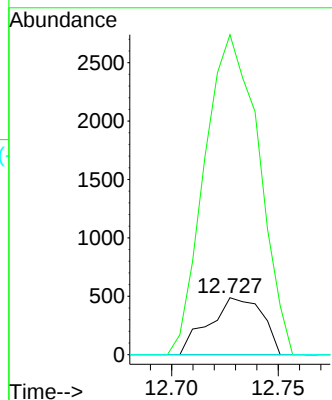
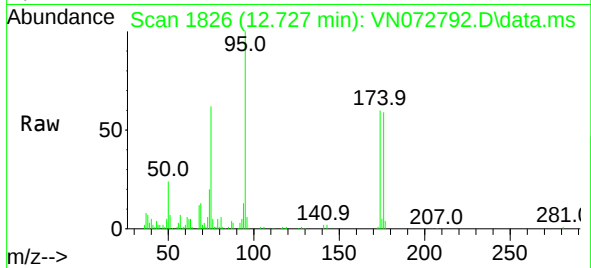




#56  
Bromoform  
Concen: 0.370 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.277 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

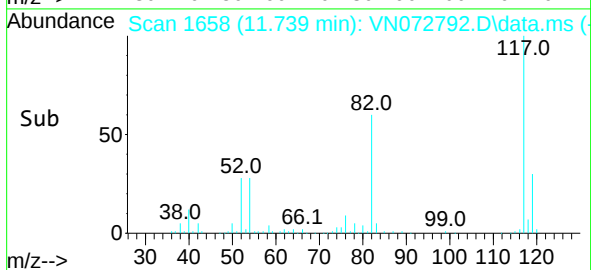
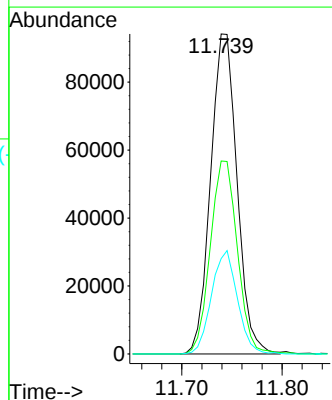
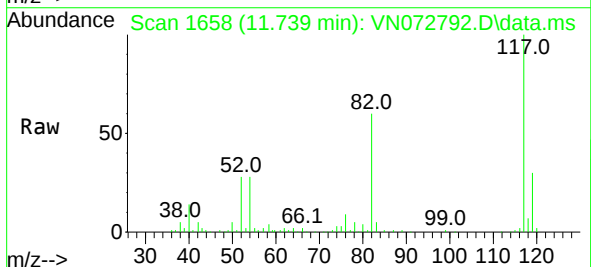
Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

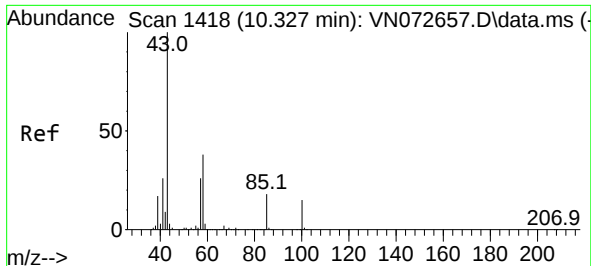
Tgt Ion:173 Resp: 853  
Ion Ratio Lower Upper  
173 100  
175 569.3 38.6 58.0#  
254 0.0 0.0 0.0



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion:117 Resp: 172376  
Ion Ratio Lower Upper  
117 100  
82 61.9 43.6 65.4  
119 31.7 25.8 38.6

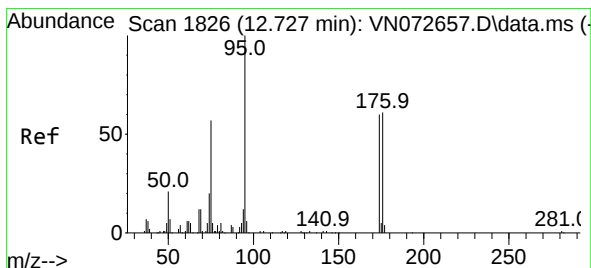
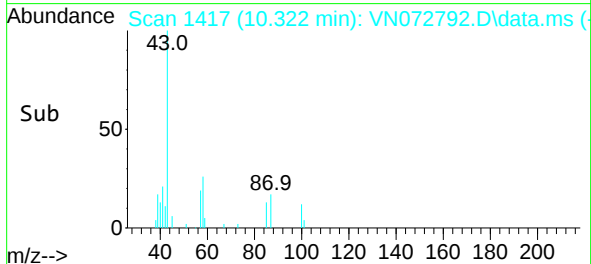
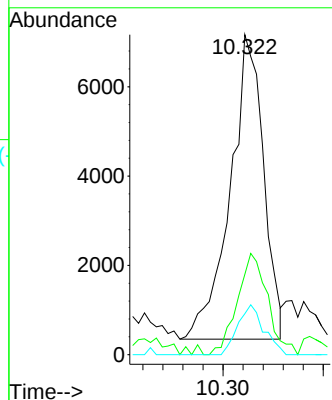
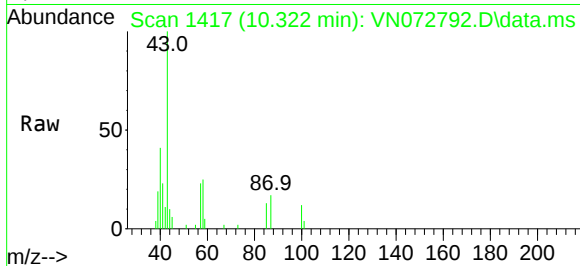




#58  
4-Methyl-2-Pentanone  
Concen: 3.053 ug/l  
RT: 10.322 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

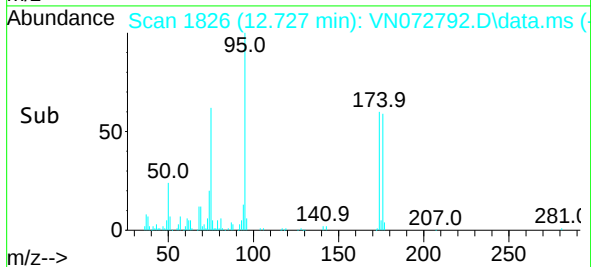
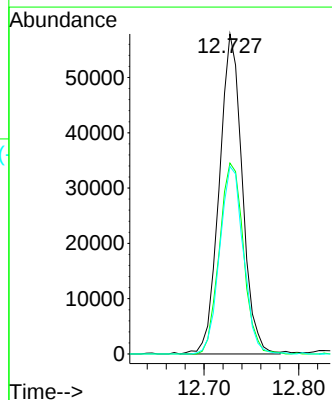
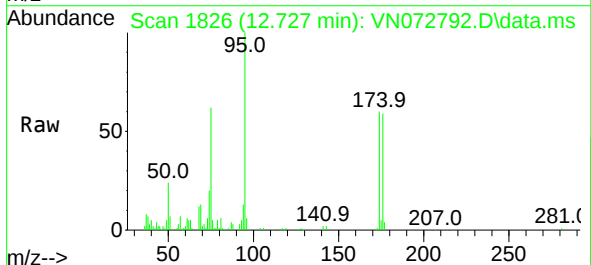
Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

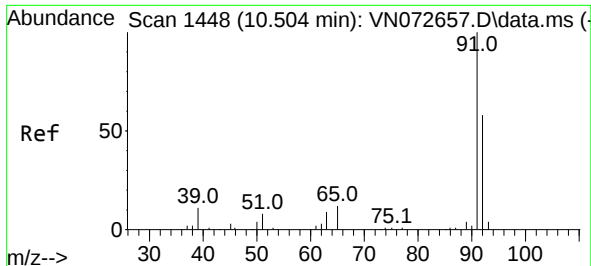
Tgt Ion: 43 Resp: 15783  
Ion Ratio Lower Upper  
43 100  
58 30.2 30.0 45.0  
85 12.8 15.0 22.6#



#60  
4-Bromofluorobenzene  
Concen: 27.527 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 95 Resp: 97592  
Ion Ratio Lower Upper  
95 100  
174 62.5 62.9 94.3#  
176 60.2 61.0 91.4#

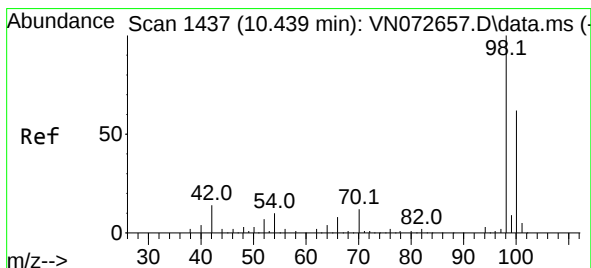
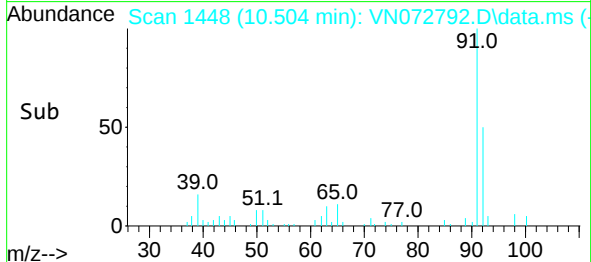
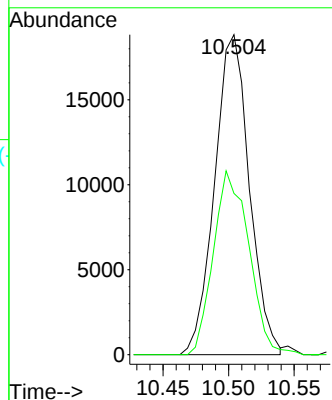
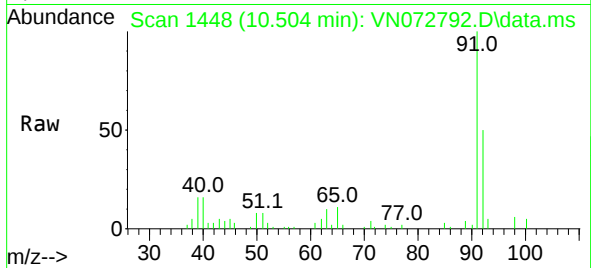




#62  
Toluene  
Concen: 2.970 ug/l  
RT: 10.504 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

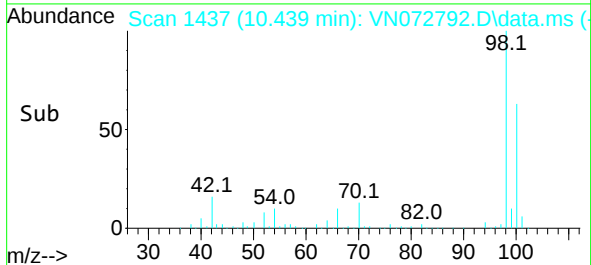
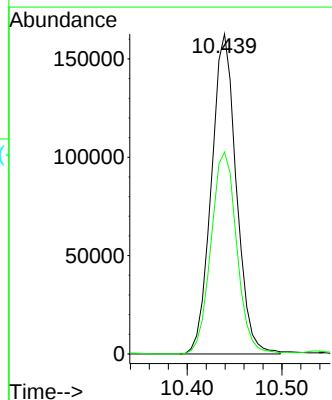
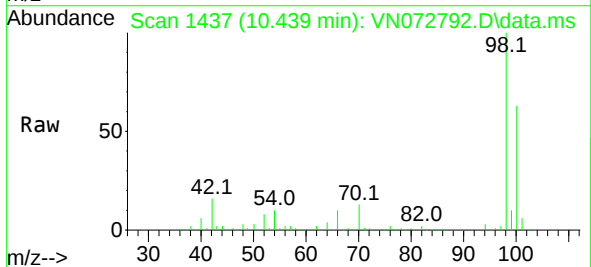
Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

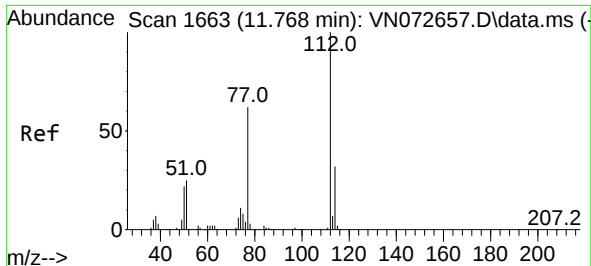
Tgt Ion: 91 Resp: 34712  
Ion Ratio Lower Upper  
91 100  
92 58.7 44.6 67.0



#63  
Toluene-d8  
Concen: 31.153 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 98 Resp: 297479  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.6 76.0

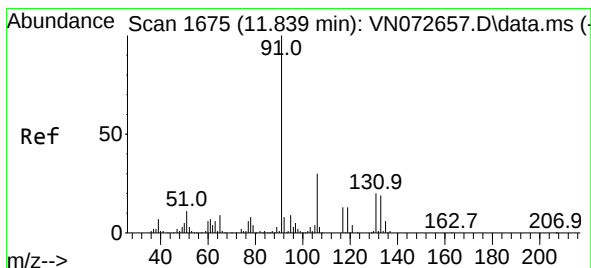
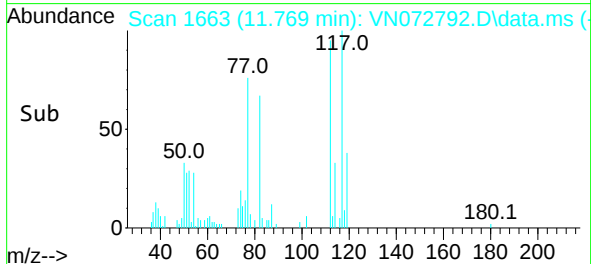
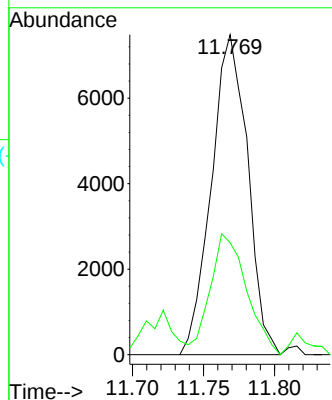
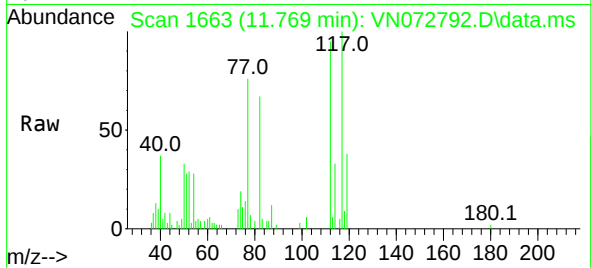




#64  
Chlorobenzene  
Concen: 1.865 ug/l  
RT: 11.769 min Scan# 1663  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

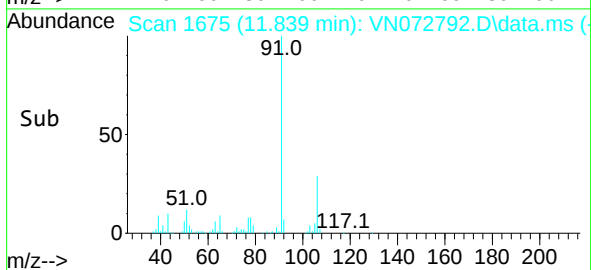
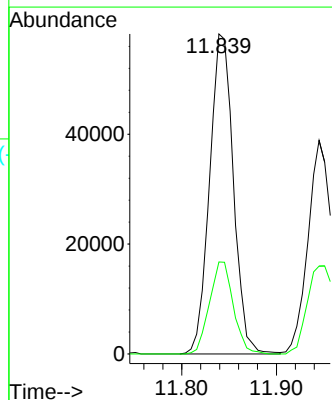
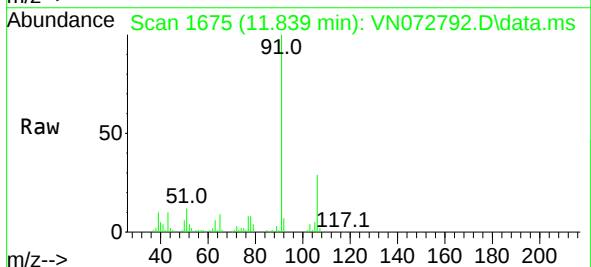
Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

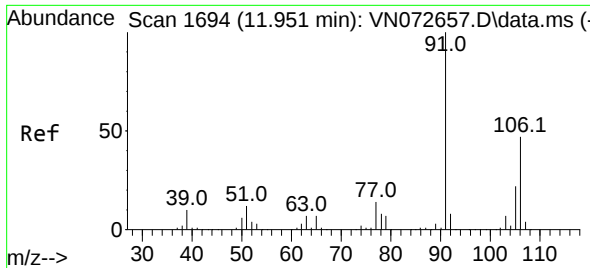
Tgt Ion:112 Resp: 13268  
Ion Ratio Lower Upper  
112 100  
114 35.0 25.8 38.6



#66  
Ethyl Benzene  
Concen: 7.580 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 91 Resp: 101719  
Ion Ratio Lower Upper  
91 100  
106 28.8 24.0 36.0

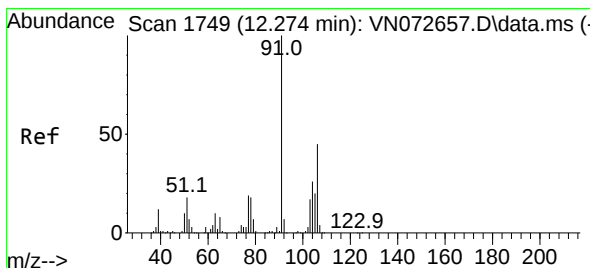
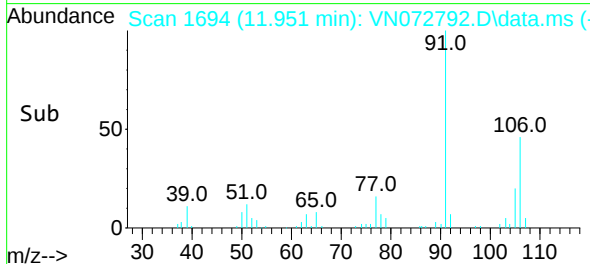
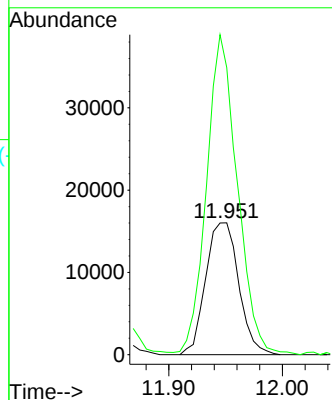
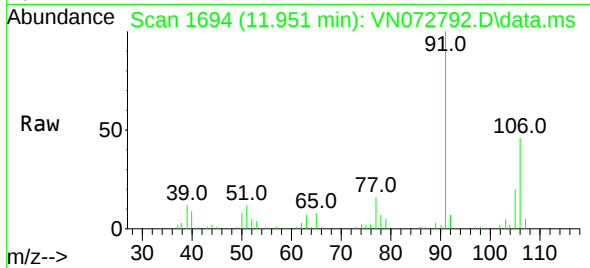




#67  
m/p-Xylenes  
Concen: 6.629 ug/l  
RT: 11.951 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

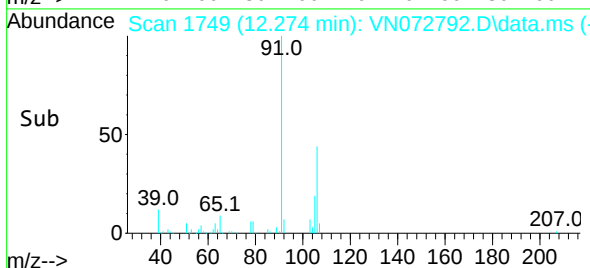
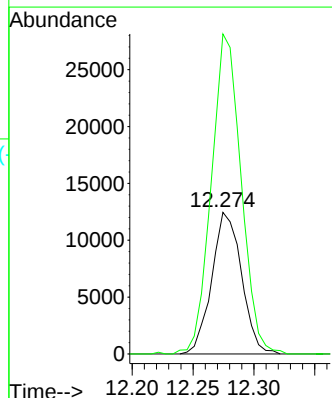
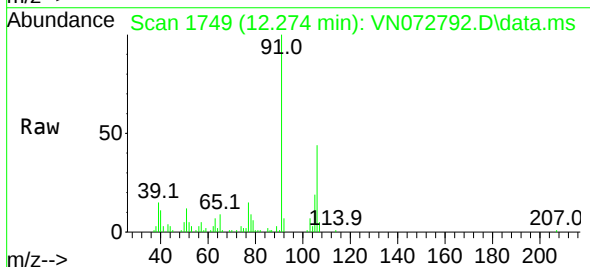
Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

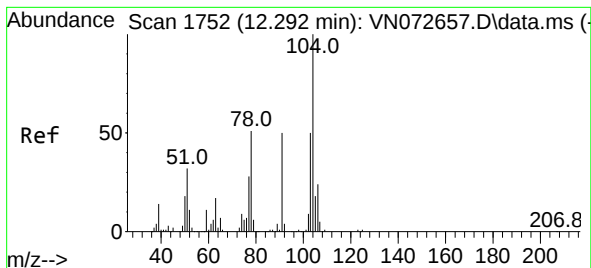
Tgt Ion:106 Resp: 32446  
Ion Ratio Lower Upper  
106 100  
91 226.3 162.9 244.3



#68  
o-Xylene  
Concen: 4.246 ug/l  
RT: 12.274 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion:106 Resp: 21203  
Ion Ratio Lower Upper  
106 100  
91 225.5 107.7 323.1





#69

Styrene

Concen: 0.487 ug/l

RT: 12.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN072792.D

Acq: 11 Jun 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

220608036-02-VOA

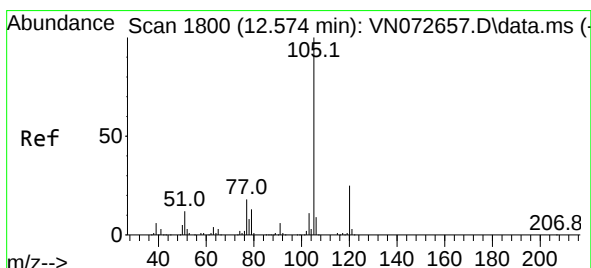
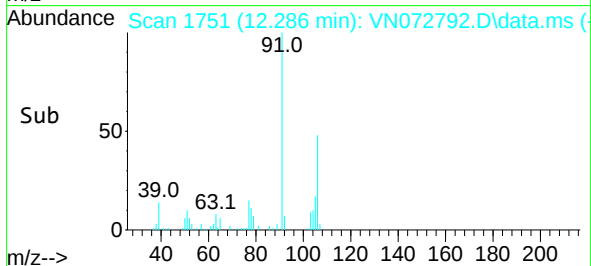
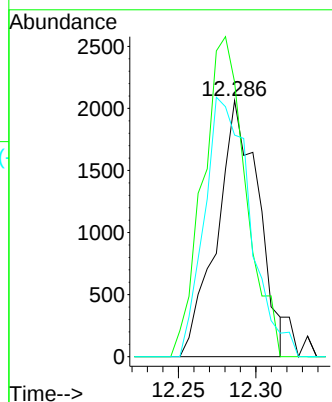
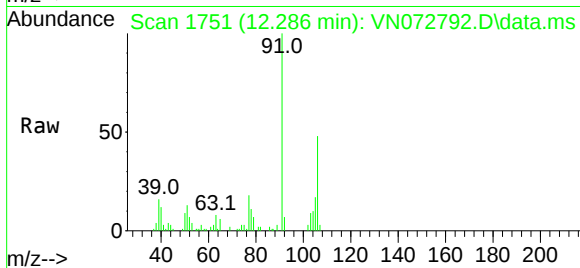
Tgt Ion:104 Resp: 3857

Ion Ratio Lower Upper

104 100

78 129.0 40.7 61.1#

103 111.1 45.8 68.8#



#70

Isopropylbenzene

Concen: 0.899 ug/l

RT: 12.574 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VN072792.D

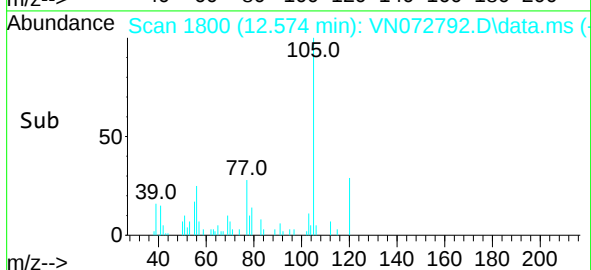
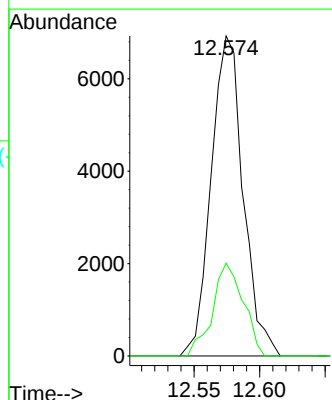
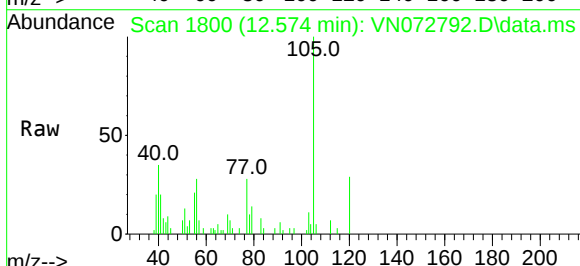
Acq: 11 Jun 2022 16:55

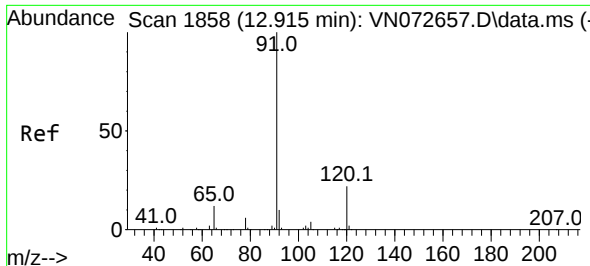
Tgt Ion:105 Resp: 11726

Ion Ratio Lower Upper

105 100

120 27.9 18.3 34.1

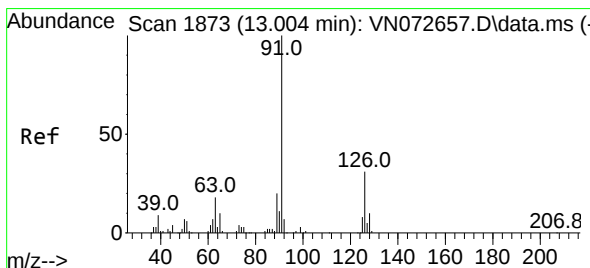
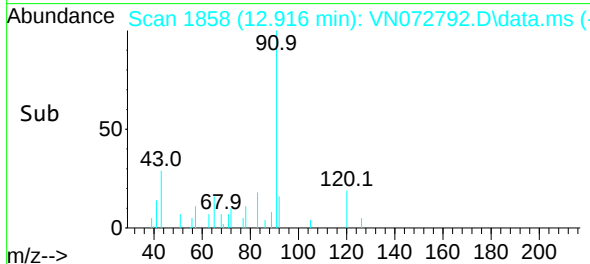
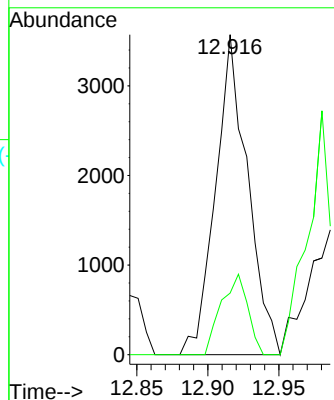
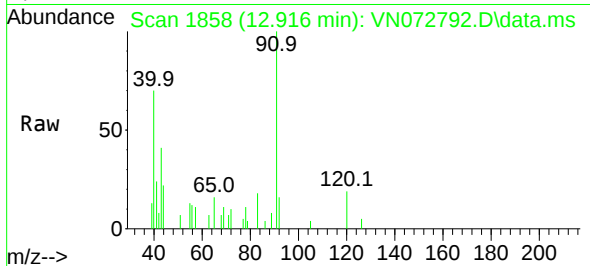




#74  
n-propylbenzene  
Concen: 0.376 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

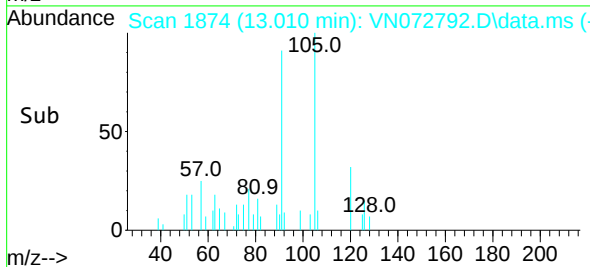
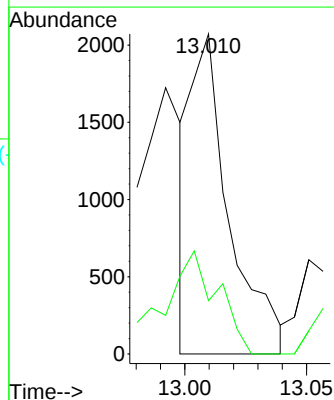
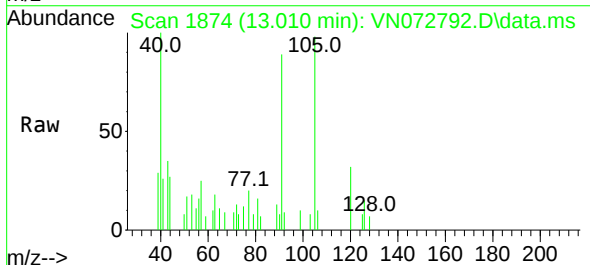
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MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

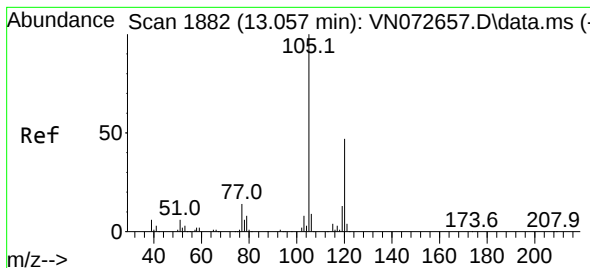
Tgt Ion: 91 Resp: 5612  
Ion Ratio Lower Upper  
91 100  
120 20.8 0.0 45.0



#75  
2-Chlorotoluene  
Concen: 0.247 ug/l  
RT: 13.010 min Scan# 1874  
Delta R.T. 0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 91 Resp: 2282  
Ion Ratio Lower Upper  
91 100  
126 33.0 0.0 69.8





#76

1,3,5-Trimethylbenzene

Concen: 0.617 ug/l

RT: 13.051 min Scan# 1881

Delta R.T. -0.006 min

Lab File: VN072792.D

Acq: 11 Jun 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

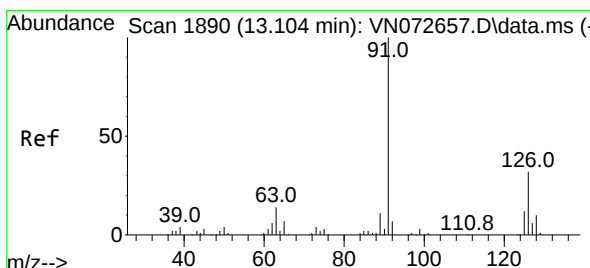
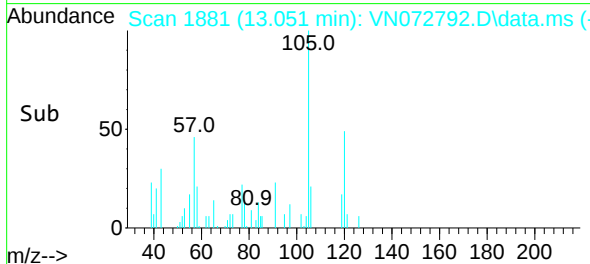
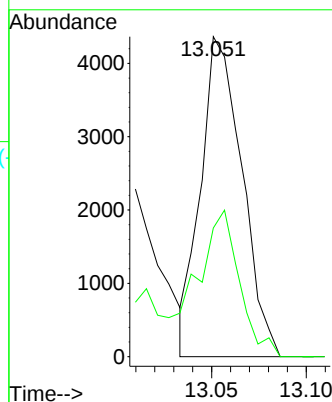
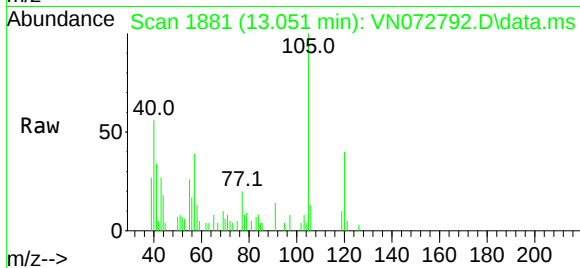
220608036-02-VOA

Tgt Ion:105 Resp: 6611

Ion Ratio Lower Upper

105 100

120 46.9 0.0 93.8



#78

4-Chlorotoluene

Concen: 0.261 ug/l

RT: 13.010 min Scan# 1874

Delta R.T. -0.094 min

Lab File: VN072792.D

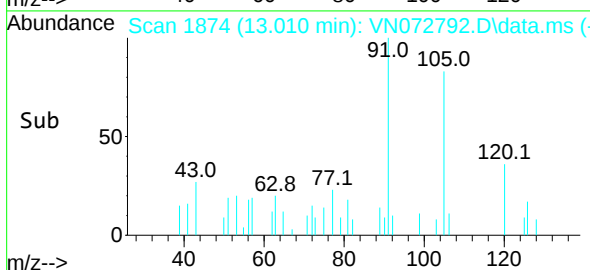
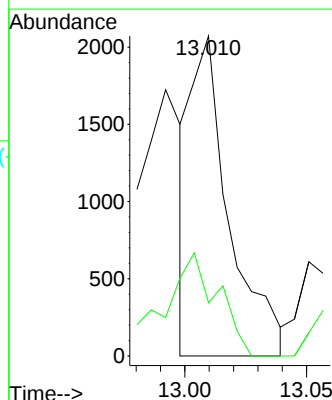
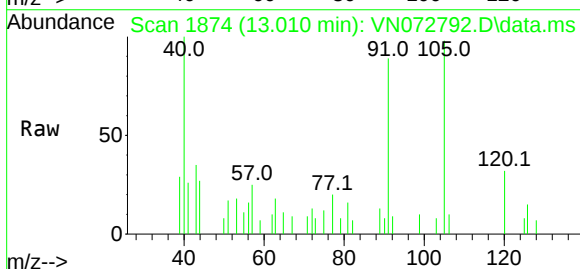
Acq: 11 Jun 2022 16:55

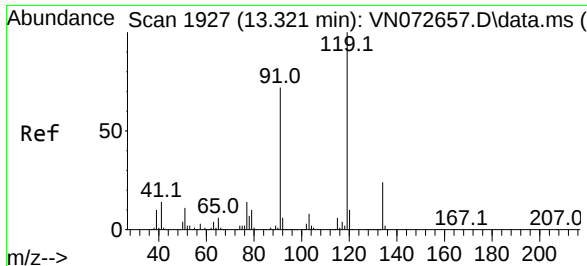
Tgt Ion: 91 Resp: 2282

Ion Ratio Lower Upper

91 100

126 33.0 0.0 70.6

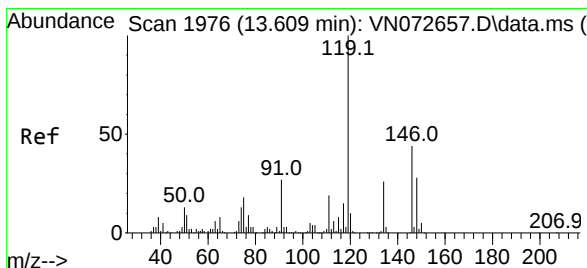
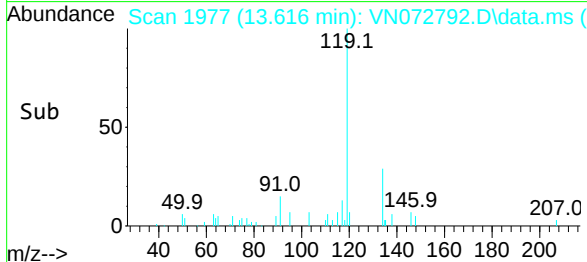
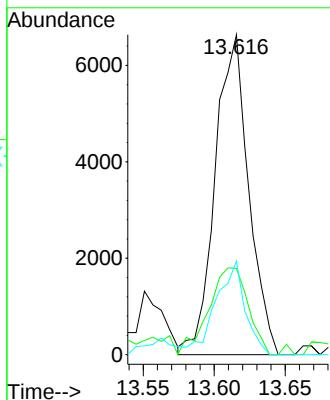
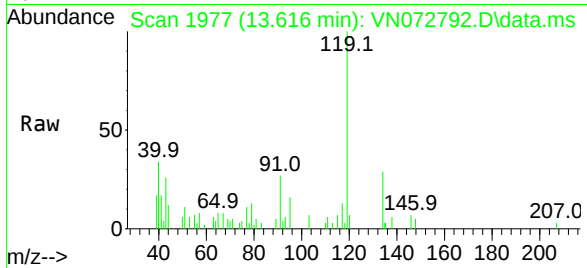




#79  
tert-butylbenzene  
Concen: 1.138 ug/l  
RT: 13.616 min Scan# 1927  
Delta R.T. 0.294 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

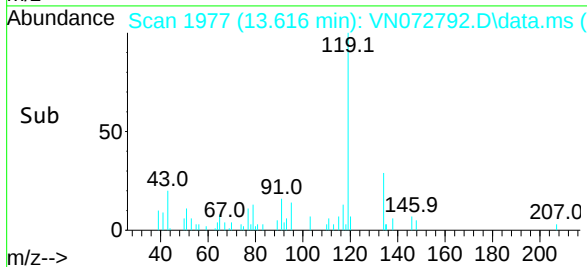
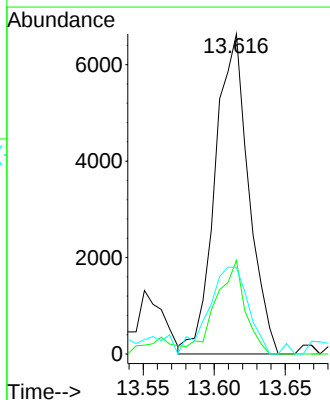
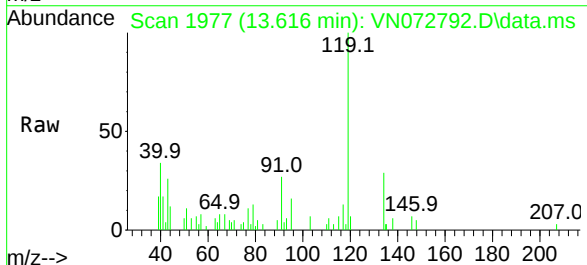
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MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

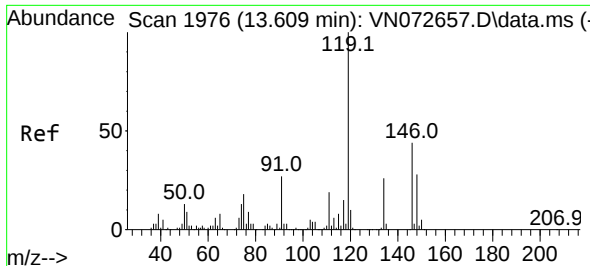
Tgt Ion:119 Resp: 10882  
Ion Ratio Lower Upper  
119 100  
91 32.0 0.0 137.0  
134 25.2 0.0 47.6



#82  
p-Isopropyltoluene  
Concen: 1.056 ug/l  
RT: 13.616 min Scan# 1977  
Delta R.T. 0.006 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion:119 Resp: 10882  
Ion Ratio Lower Upper  
119 100  
134 25.2 0.0 51.8  
91 32.0 0.0 50.4

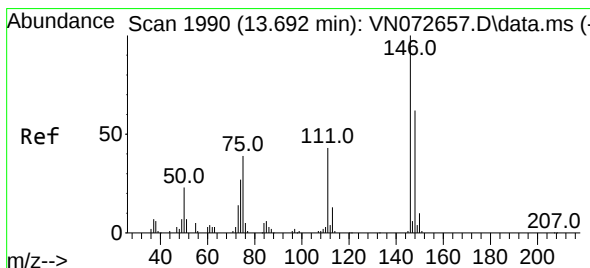
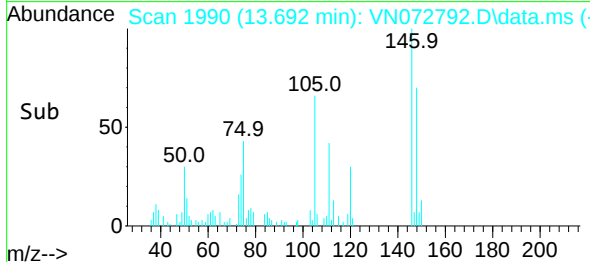
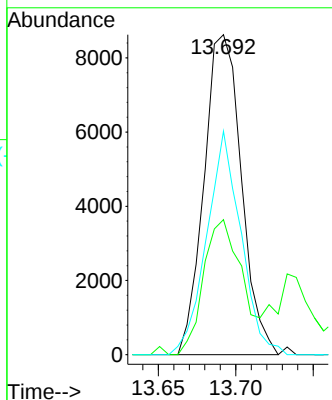
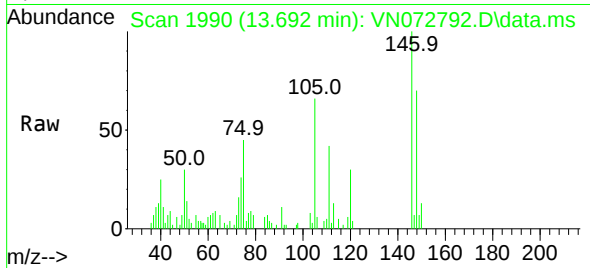




#83  
 1,3-Dichlorobenzene  
 Concen: 3.115 ug/l  
 RT: 13.692 min Scan# 1990  
 Delta R.T. 0.083 min  
 Lab File: VN072792.D  
 Acq: 11 Jun 2022 16:55

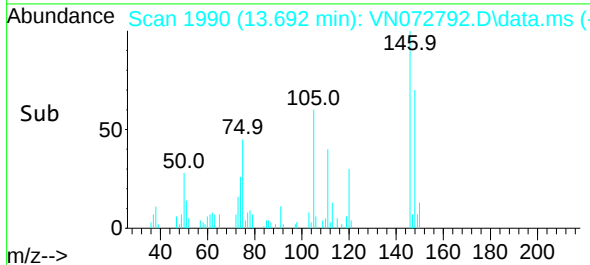
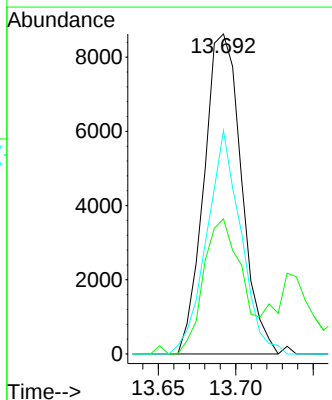
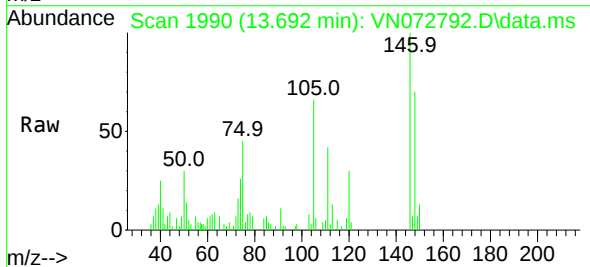
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 220608036-02-VOA

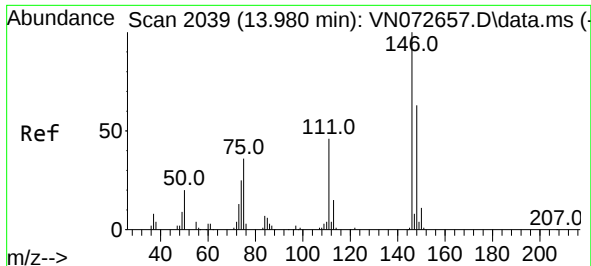
Tgt Ion:146 Resp: 14464  
 Ion Ratio Lower Upper  
 146 100  
 111 44.1 20.8 62.2  
 148 63.9 31.4 94.3



#84  
 1,4-Dichlorobenzene  
 Concen: 3.208 ug/l  
 RT: 13.692 min Scan# 1990  
 Delta R.T. 0.000 min  
 Lab File: VN072792.D  
 Acq: 11 Jun 2022 16:55

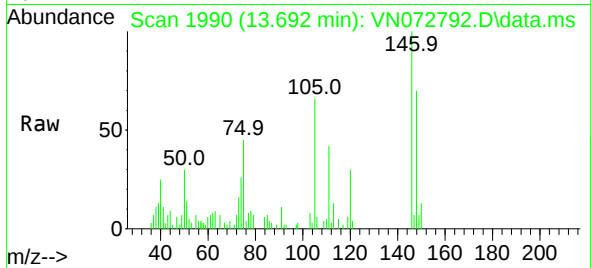
Tgt Ion:146 Resp: 14464  
 Ion Ratio Lower Upper  
 146 100  
 111 44.1 19.5 58.5  
 148 63.9 31.1 93.5



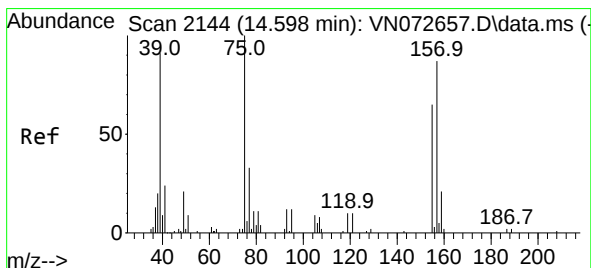
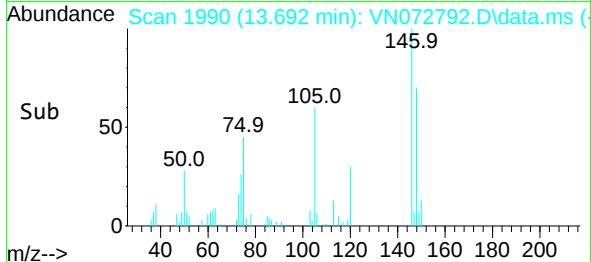
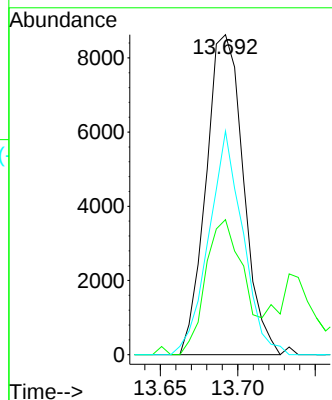


#87  
1,2-Dichlorobenzene  
Concen: 3.148 ug/l  
RT: 13.692 min Scan# 1990  
Delta R.T. -0.288 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
220608036-02-VOA

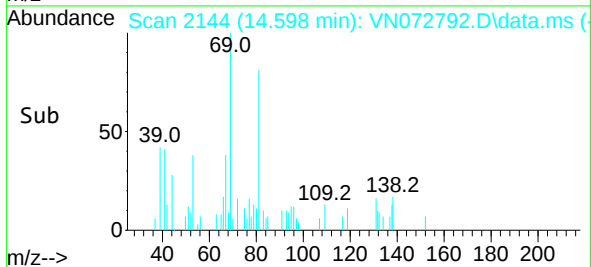
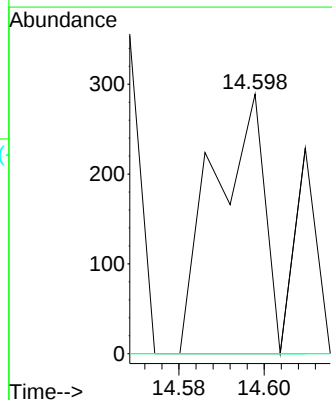
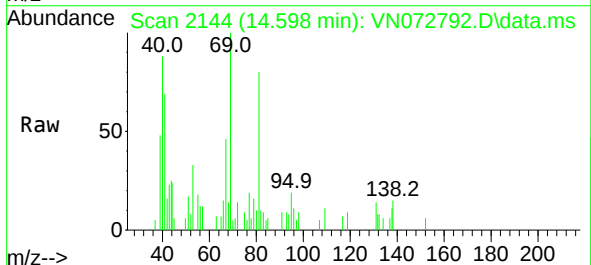


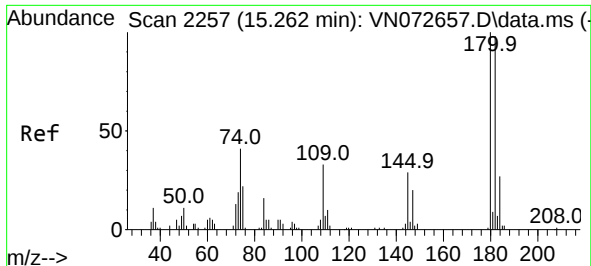
Tgt Ion:146 Resp: 14464  
Ion Ratio Lower Upper  
146 100  
111 44.1 21.4 64.2  
148 63.9 32.5 97.4



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 0.217 ug/l  
RT: 14.598 min Scan# 2144  
Delta R.T. 0.000 min  
Lab File: VN072792.D  
Acq: 11 Jun 2022 16:55

Tgt Ion: 75 Resp: 240  
Ion Ratio Lower Upper  
75 100  
155 0.0 63.8 95.8#  
157 0.0 77.9 116.9#

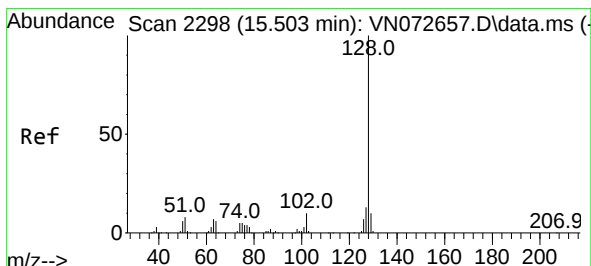
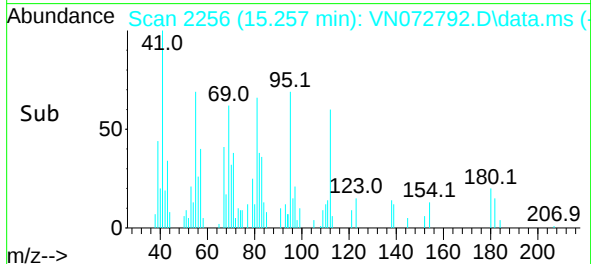
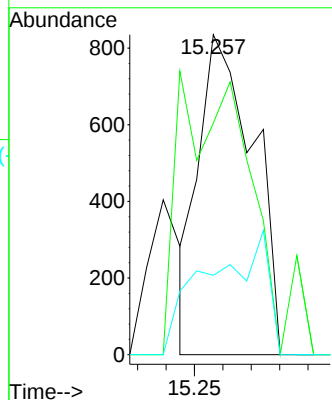
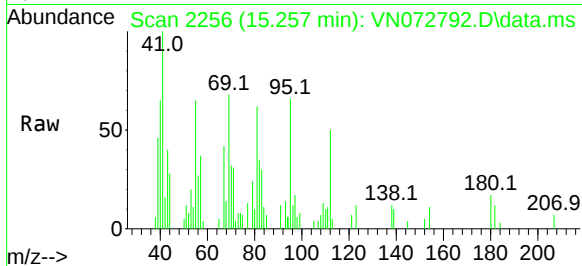




#89  
 1,2,4-Trichlorobenzene  
 Concen: 0.479 ug/l  
 RT: 15.257 min Scan# 2110  
 Delta R.T. -0.006 min  
 Lab File: VN072792.D  
 Acq: 11 Jun 2022 16:55

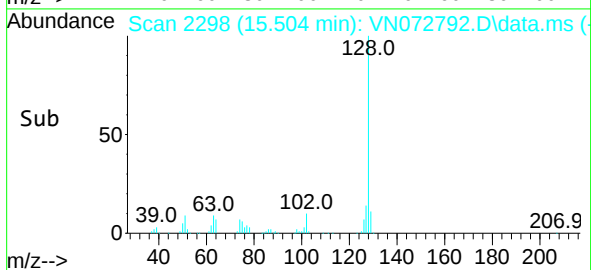
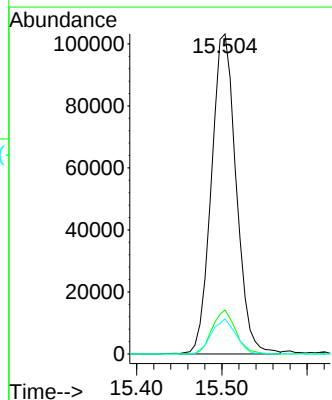
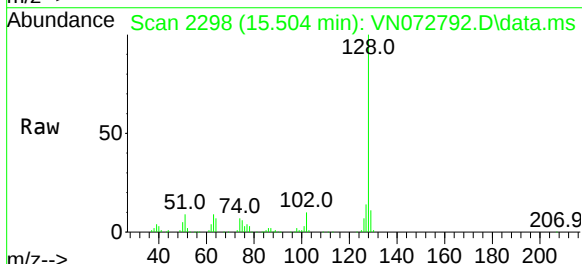
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 220608036-02-VOA

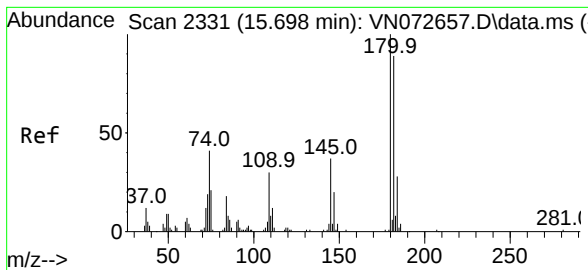
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 69.1  | 77.7  | 116.5# |
| 145     | 32.4  | 26.6  | 39.8   |



#91  
 Naphthalene  
 Concen: 22.587 ug/l  
 RT: 15.504 min Scan# 2298  
 Delta R.T. 0.000 min  
 Lab File: VN072792.D  
 Acq: 11 Jun 2022 16:55

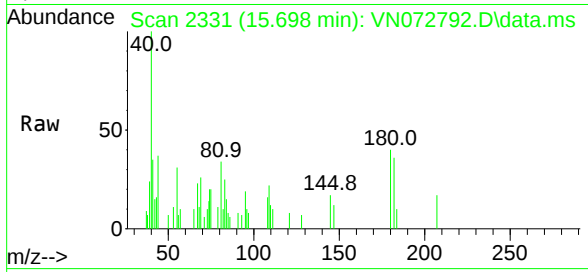
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.7  | 16.1  |
| 129     | 10.7  | 9.0   | 13.6  |





#92  
 1,2,3-Trichlorobenzene  
 Concen: 0.627 ug/l  
 RT: 15.698 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN072792.D  
 Acq: 11 Jun 2022 16:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 220608036-02-VOA



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1477  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 119.6 | 0.0   | 190.0 |
| 145      | 28.2  | 0.0   | 67.8  |

