

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102021\  
 Data File : VN069074.D  
 Acq On : 20 Oct 2021 20:23  
 Operator : JC/MD  
 Sample : M4253-07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 20 23:16:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.088  | 168  | 325711   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.971  | 114  | 571237   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.747 | 117  | 536751   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.678 | 152  | 212201   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 213139   | 49.632   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 99.260%  |
| 35) Dibromofluoromethane    | 8.024  | 113   | 166828   | 50.196   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 100.400% |
| 50) Toluene-d8              | 10.443 | 98    | 705851   | 53.080   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 106.160% |
| 62) 4-Bromofluorobenzene    | 12.733 | 95    | 257565   | 51.337   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 102.680% |

|                               |        |     |         |        |        |        |
|-------------------------------|--------|-----|---------|--------|--------|--------|
| Target Compounds              |        |     |         |        |        | Qvalue |
| 11) Tert butyl alcohol        | 5.353  | 59  | 1024    | 1.305  | ug/l # | 72     |
| 13) Acrolein                  | 4.256  | 56  | 593     | 1.708  | ug/l # | 75     |
| 15) Acrylonitrile             | 5.618  | 53  | 10839   | 6.165  | ug/l # | 40     |
| 16) Acetone                   | 4.296  | 43  | 7915    | 4.939  | ug/l   | 91     |
| 18) Methyl Acetate            | 4.865  | 43  | 4187    | 0.689  | ug/l # | 77     |
| 19) Methyl tert-butyl Ether   | 5.618  | 73  | 1015200 | 86.630 | ug/l   | 99     |
| 22) Diisopropyl ether         | 6.498  | 45  | 4960    | 0.423  | ug/l # | 90     |
| 23) Vinyl Acetate             | 6.506  | 43  | 3001    | 0.338  | ug/l # | 72     |
| 25) 2-Butanone                | 7.351  | 43  | 2805    | 1.157  | ug/l # | 88     |
| 30) Chloroform                | 8.099  | 83  | 1636    | 0.244  | ug/l # | 76     |
| 31) Cyclohexane               | 8.099  | 56  | 51794   | 7.757  | ug/l # | 84     |
| 36) 1,1-Dichloropropene       | 8.091  | 75  | 26580   | 5.448  | ug/l # | 51     |
| 37) Ethyl Acetate             | 7.351  | 43  | 2805    | 0.557  | ug/l # | 68     |
| 38) Carbon Tetrachloride      | 8.088  | 117 | 34444   | 6.428  | ug/l # | 16     |
| 39) Methylcyclohexane         | 9.461  | 83  | 36191   | 5.763  | ug/l   | 96     |
| 41) Methacrylonitrile         | 7.847  | 41  | 1550    | 0.610  | ug/l # | 1      |
| 43) Isopropyl Acetate         | 8.641  | 43  | 58495   | 6.579  | ug/l # | 60     |
| 48) Methyl methacrylate       | 9.644  | 41  | 2366    | 0.566  | ug/l # | 71     |
| 51) 4-Methyl-2-Pentanone      | 10.336 | 43  | 2174    | 0.422  | ug/l # | 83     |
| 55) 1,1,2-Trichloroethane     | 10.880 | 97  | 3306    | 0.877  | ug/l # | 19     |
| 58) 2-Chloroethyl Vinyl ether | 9.974  | 63  | 83      | 18.799 | ug/l # | 47     |
| 59) 2-Hexanone                | 11.087 | 43  | 1662    | 0.450  | ug/l # | 55     |
| 67) Ethyl Benzene             | 11.961 | 91  | 118373  | 6.274  | ug/l # | 71     |
| 68) m/p-Xylenes               | 11.961 | 106 | 56005   | 7.831  | ug/l   | 98     |
| 69) o-Xylene                  | 12.283 | 106 | 85794   | 11.984 | ug/l   | 100    |
| 70) Styrene                   | 12.286 | 104 | 4462    | 0.383  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 12.733 | 75  | 134280  | 29.741 | ug/l # | 1      |
| 78) n-propylbenzene           | 12.986 | 91  | 8254    | 0.416  | ug/l # | 1      |
| 79) 2-Chlorotoluene           | 13.018 | 91  | 10041   | 0.821  | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105 | 222285  | 15.109 | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-b... | 12.733 | 75  | 134280  | 71.153 | ug/l # | 12     |
| 82) 4-Chlorotoluene           | 13.061 | 91  | 25014   | 2.116  | ug/l # | 42     |
| 83) tert-Butylbenzene         | 13.224 | 119 | 6068    | 0.474  | ug/l # | 1      |
| 84) 1,2,4-Trimethylbenzene    | 13.224 | 105 | 356343  | 25.139 | ug/l   | 79     |
| 85) sec-Butylbenzene          | 13.707 | 105 | 433510  | 24.442 | ug/l # | 57     |
| 86) p-Isopropyltoluene        | 13.562 | 119 | 14255   | 1.002  | ug/l   | 94     |

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 Sample : M4253-07  
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 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 20 23:16:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

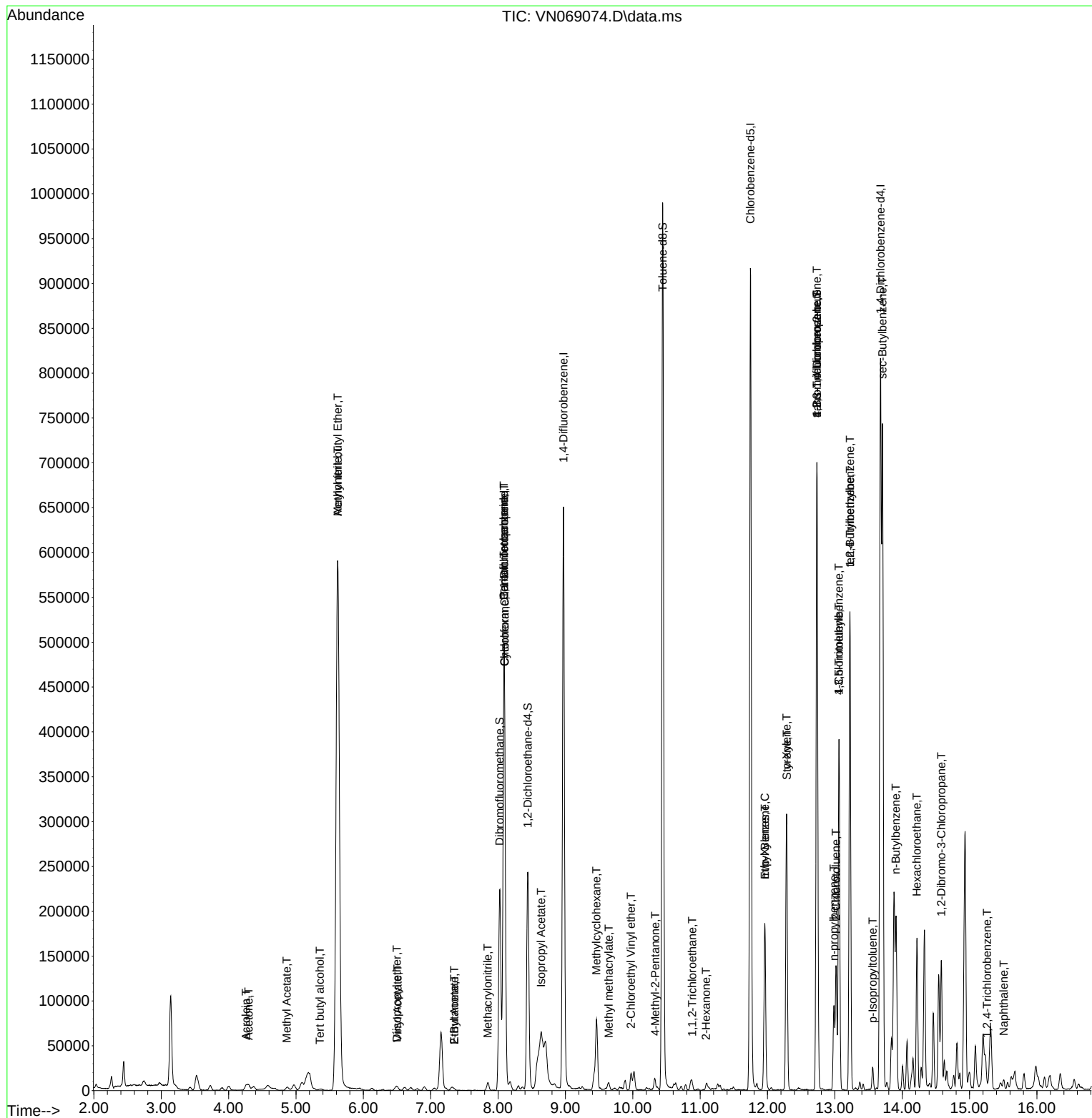
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 89) n-Butylbenzene            | 13.906 | 91   | 18317    | 1.547 | ug/l # | 1        |
| 90) Hexachloroethane          | 14.217 | 117  | 9188     | 3.075 | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.579 | 75   | 688      | 0.699 | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180  | 54       | 2.616 | ug/l # | 12       |
| 95) Naphthalene               | 15.507 | 128  | 8009     | 4.563 | ug/l # | 94       |

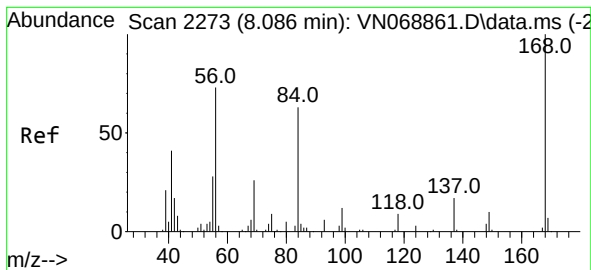
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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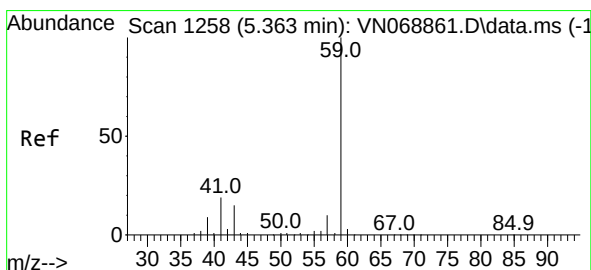
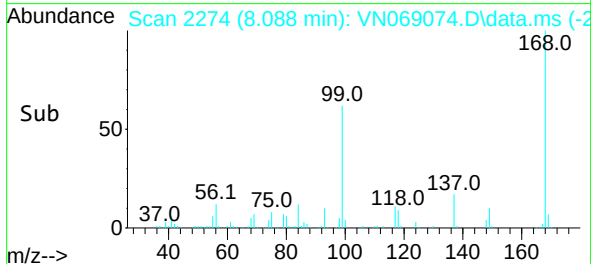
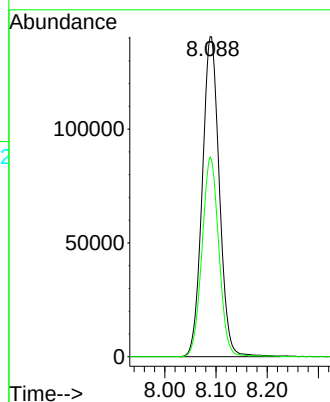
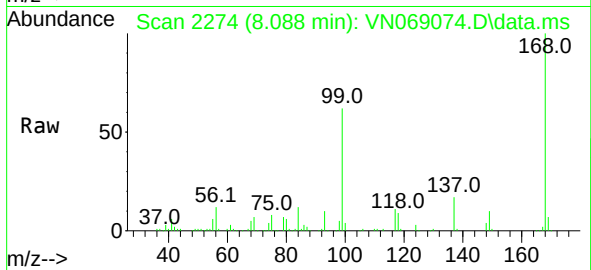




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

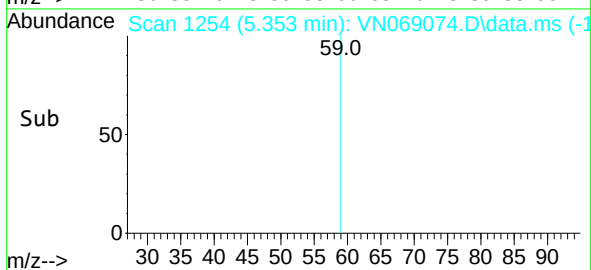
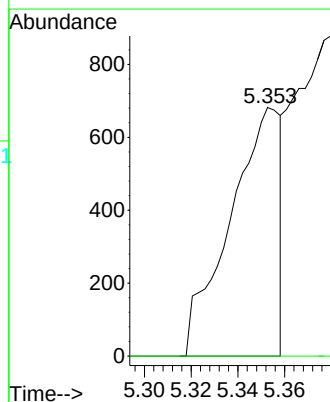
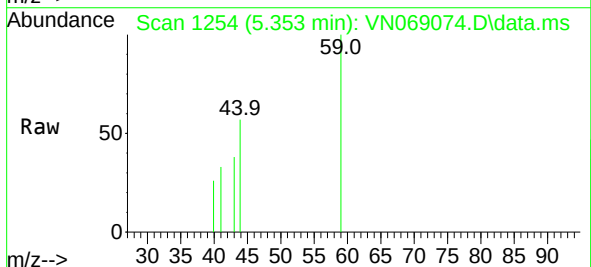
Instrument :  
MSVOA\_N  
ClientSampled :

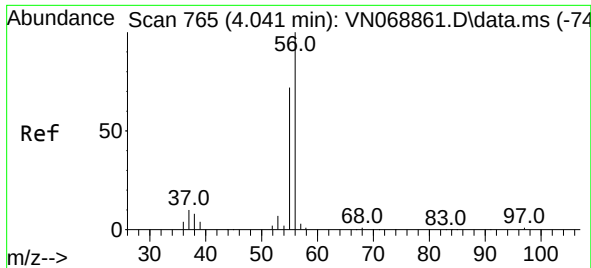
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Ion Ratio Lower Upper  
168 100  
99 62.4 48.9 73.3



#11  
Tert butyl alcohol  
Concen: 1.305 ug/l  
RT: 5.353 min Scan# 1254  
Delta R.T. -0.011 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 59 Resp: 1024  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

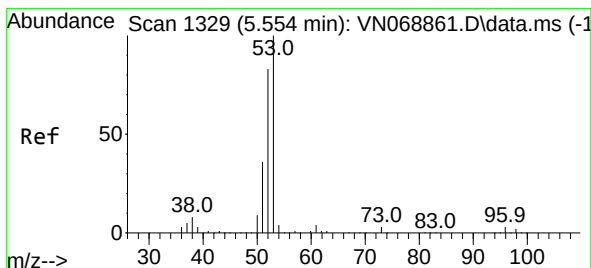
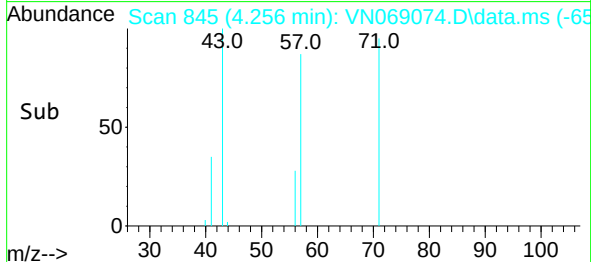
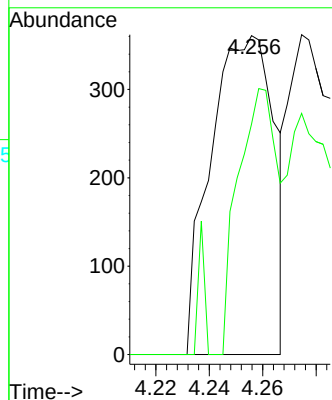
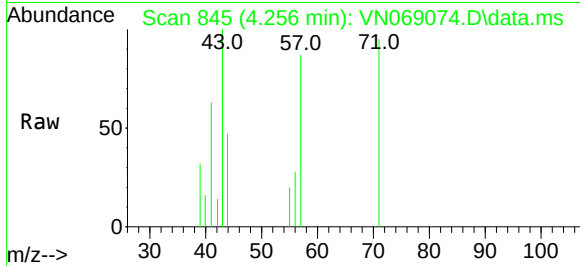




#13  
Acrolein  
Concen: 1.708 ug/l  
RT: 4.256 min Scan# 845  
Delta R.T. 0.215 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

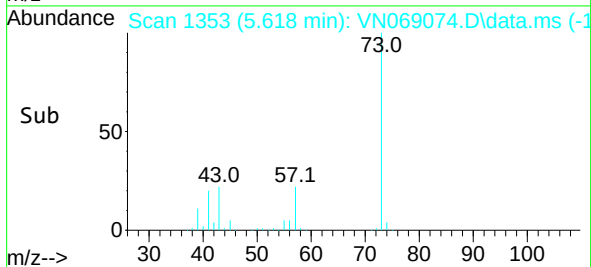
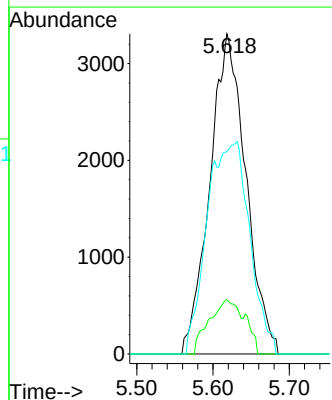
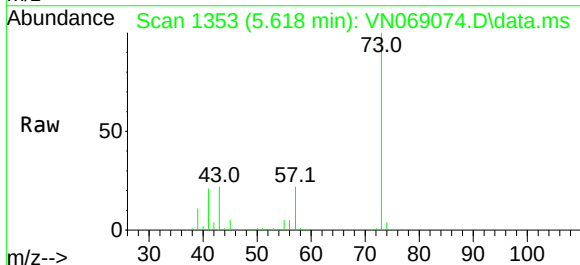
Instrument :  
MSVOA\_N  
ClientSampled :

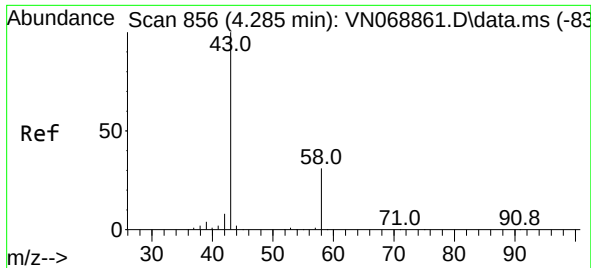
Tgt Ion: 56 Resp: 593  
Ion Ratio Lower Upper  
56 100  
55 51.3 58.1 87.1#



#15  
Acrylonitrile  
Concen: 6.165 ug/l  
RT: 5.618 min Scan# 1353  
Delta R.T. 0.064 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 53 Resp: 10839  
Ion Ratio Lower Upper  
53 100  
52 13.7 65.7 98.5#  
51 23.6 28.9 43.3#

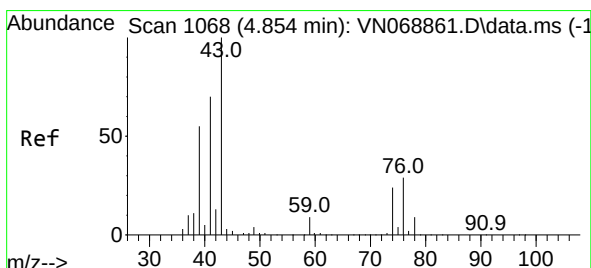
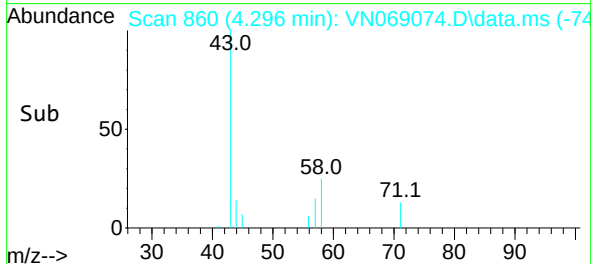
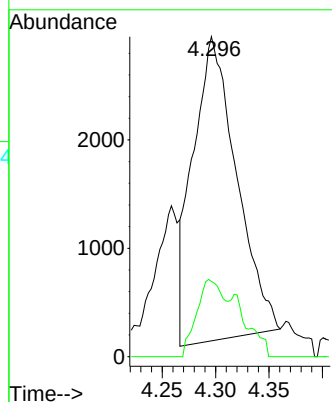
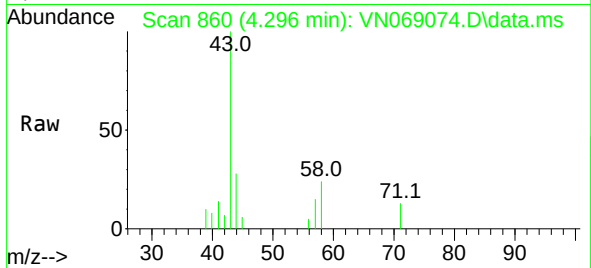




#16  
Acetone  
Concen: 4.939 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.011 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

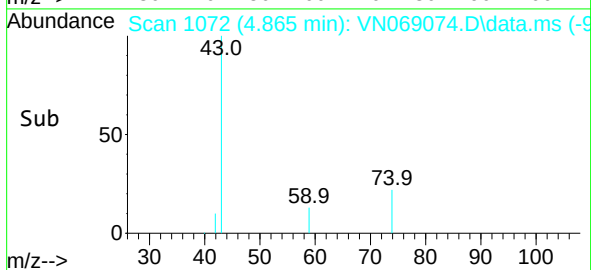
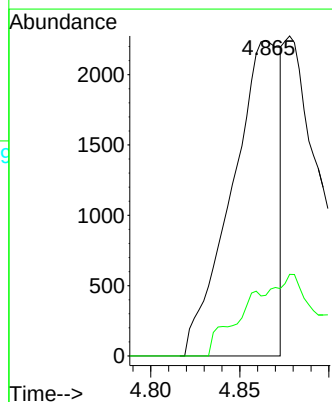
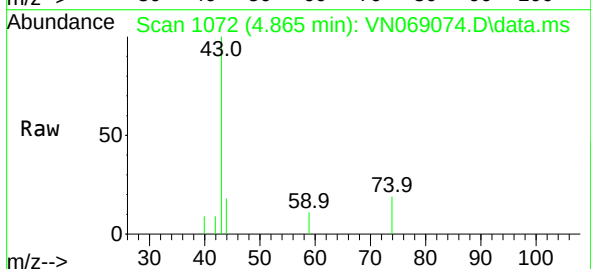
Instrument :  
MSVOA\_N  
ClientSampled :

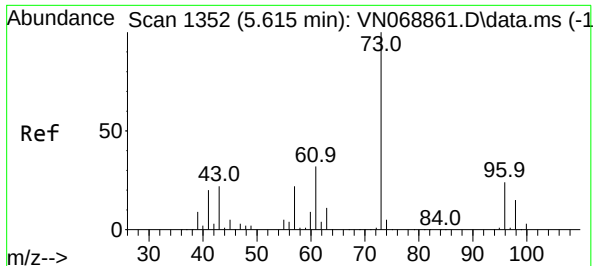
Tgt Ion: 43 Resp: 7915  
Ion Ratio Lower Upper  
43 100  
58 25.7 24.5 36.7



#18  
Methyl Acetate  
Concen: 0.689 ug/l  
RT: 4.865 min Scan# 1072  
Delta R.T. 0.011 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 43 Resp: 4187  
Ion Ratio Lower Upper  
43 100  
74 12.3 18.9 28.3#



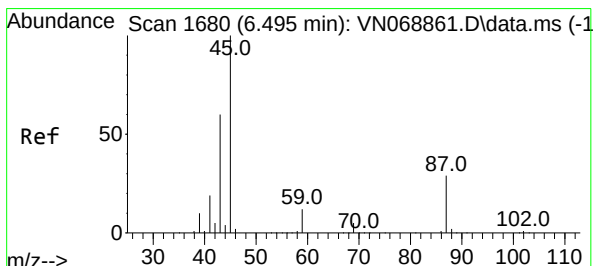
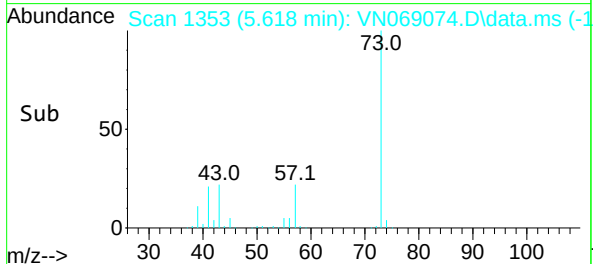
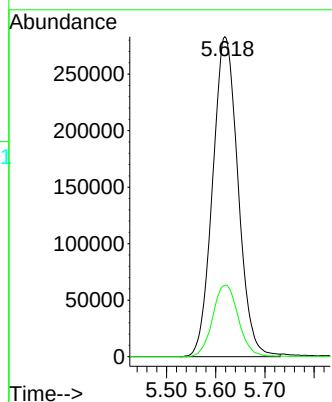
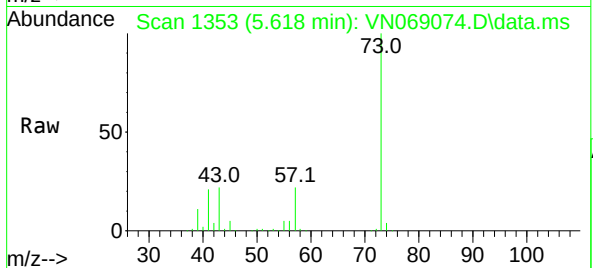


#19

Methyl tert-butyl Ether  
Concen: 86.630 ug/l  
RT: 5.618 min Scan# 1353  
Delta R.T. 0.003 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Instrument :  
MSVOA\_N  
ClientSampled :

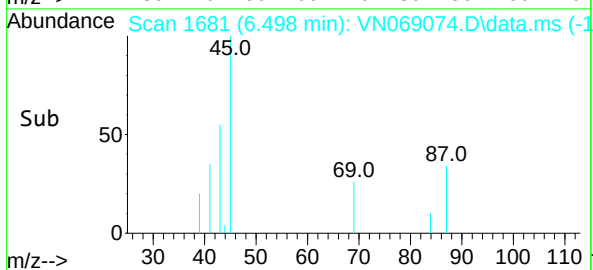
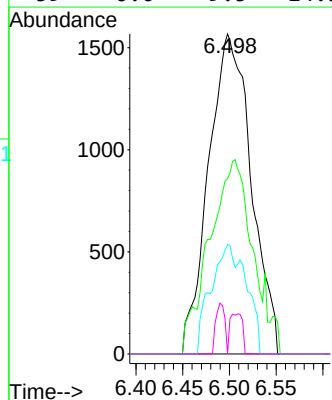
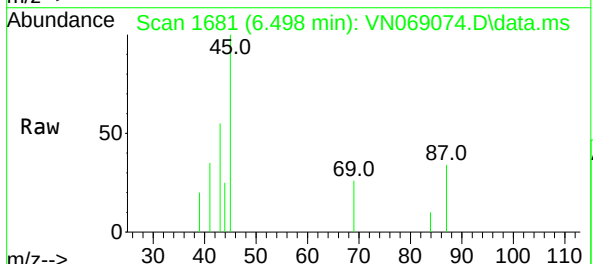
Tgt Ion: 73 Resp: 1015200  
Ion Ratio Lower Upper  
73 100  
57 22.3 17.3 25.9

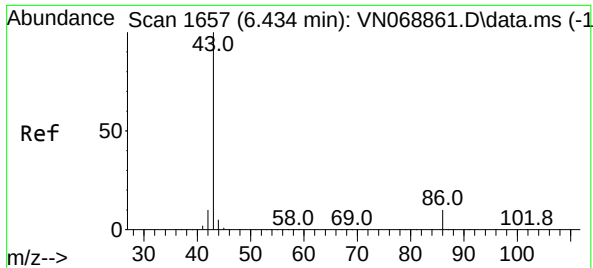


#22

Diisopropyl ether  
Concen: 0.423 ug/l  
RT: 6.498 min Scan# 1681  
Delta R.T. 0.003 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 45 Resp: 4960  
Ion Ratio Lower Upper  
45 100  
43 54.8 48.0 72.0  
87 34.2 23.4 35.0  
59 0.0 9.5 14.3#

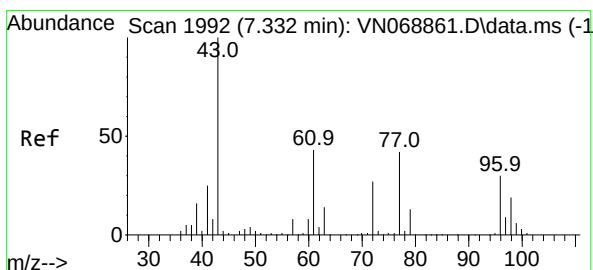
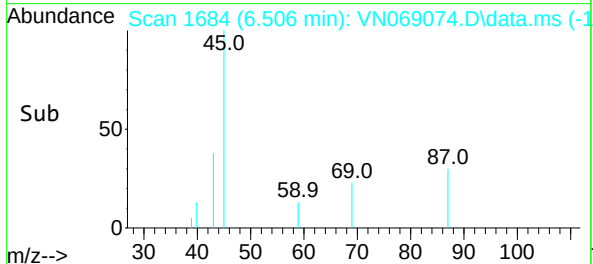
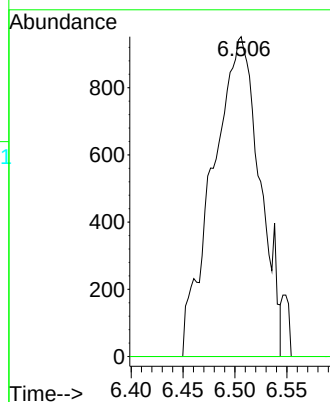
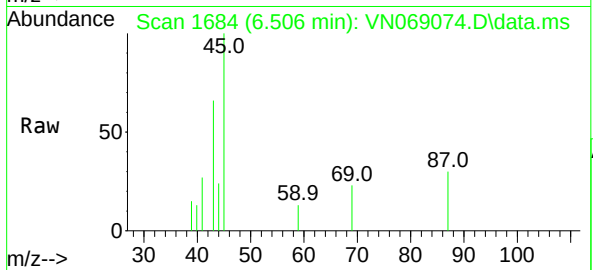




#23  
 Vinyl Acetate  
 Concen: 0.338 ug/l  
 RT: 6.506 min Scan# 1684  
 Delta R.T. 0.072 min  
 Lab File: VN069074.D  
 Acq: 20 Oct 2021 20:23

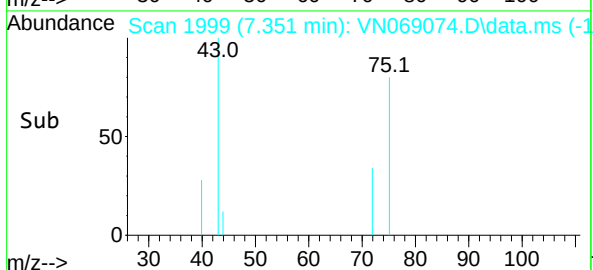
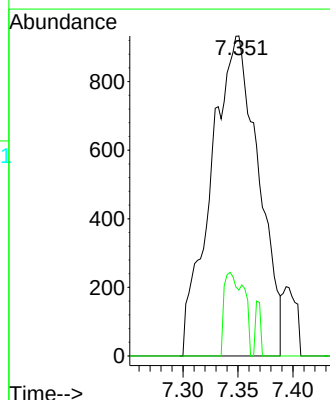
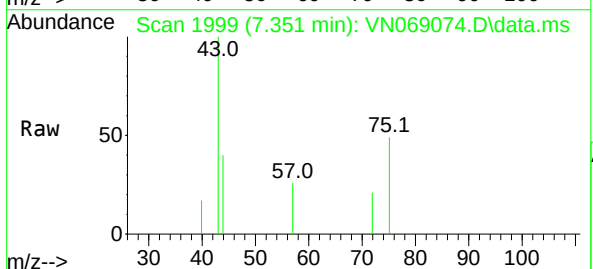
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tgt Ion: 43 Resp: 3001  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 8.3 12.5#

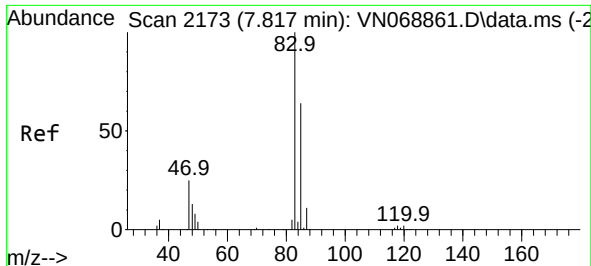


#25  
 2-Butanone  
 Concen: 1.157 ug/l  
 RT: 7.351 min Scan# 1999  
 Delta R.T. 0.019 min  
 Lab File: VN069074.D  
 Acq: 20 Oct 2021 20:23

Tgt Ion: 43 Resp: 2805  
 Ion Ratio Lower Upper  
 43 100  
 72 20.6 21.2 31.8#



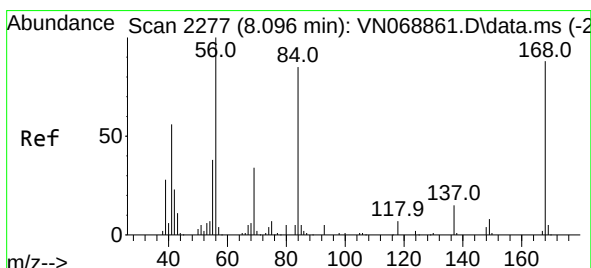
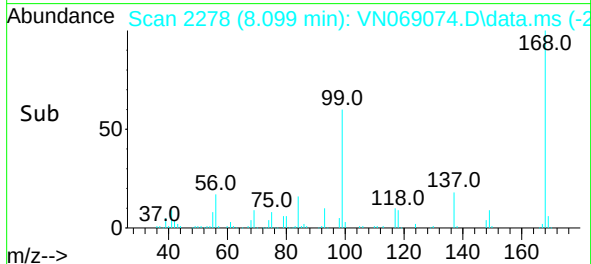
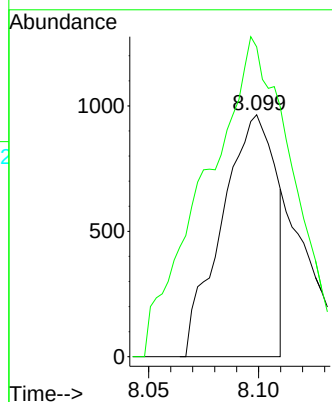
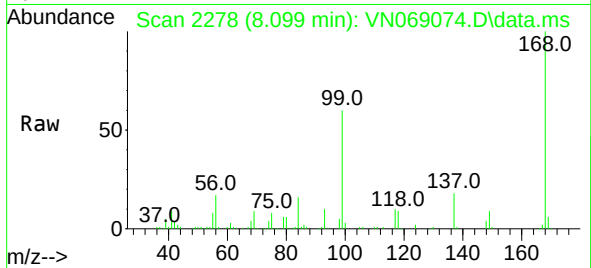




#30  
Chloroform  
Concen: 0.244 ug/l  
RT: 8.099 min Scan# 2278  
Delta R.T. 0.282 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

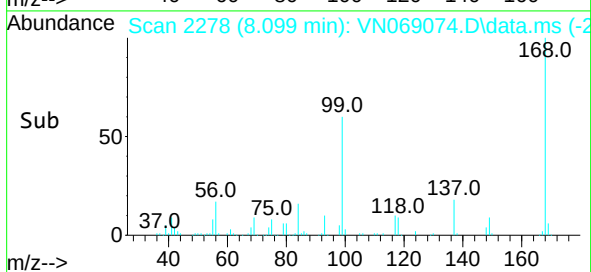
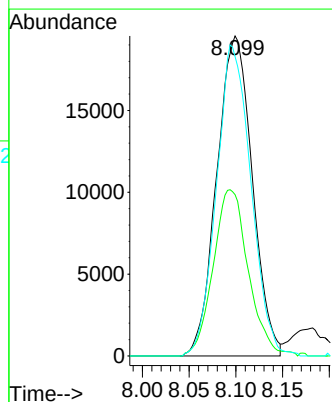
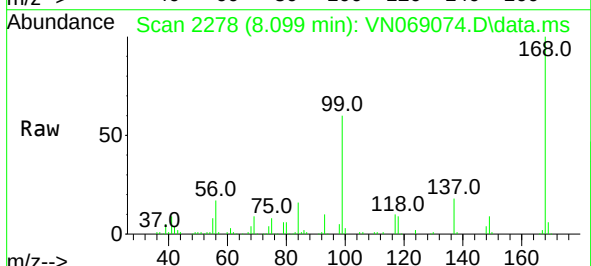
Instrument :  
MSVOA\_N  
ClientSampled :

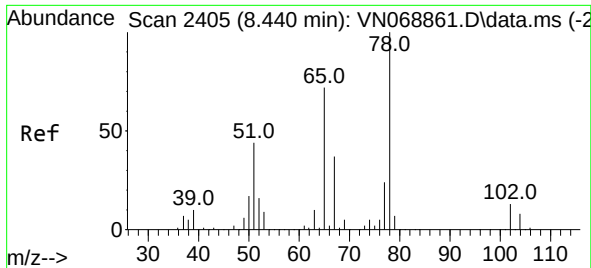
Tgt Ion: 83 Resp: 1636  
Ion Ratio Lower Upper  
83 100  
85 82.6 51.1 76.7#



#31  
Cyclohexane  
Concen: 7.757 ug/l  
RT: 8.099 min Scan# 2278  
Delta R.T. 0.003 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 56 Resp: 51794  
Ion Ratio Lower Upper  
56 100  
69 50.4 26.9 40.3#  
84 93.5 67.6 101.4

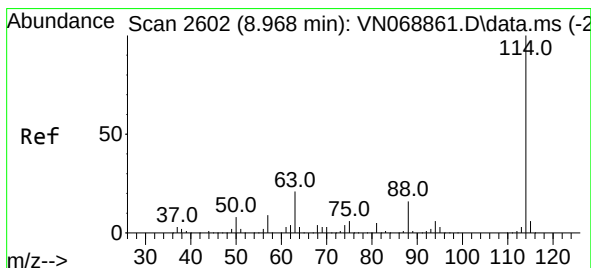
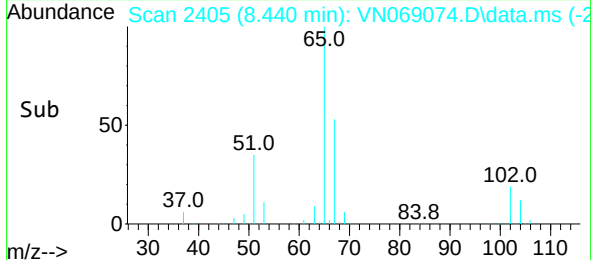
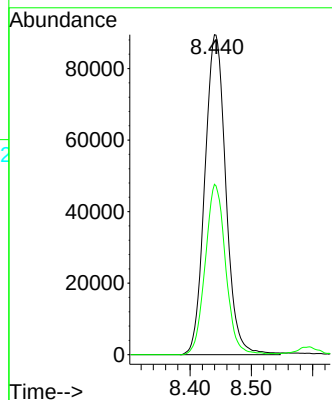
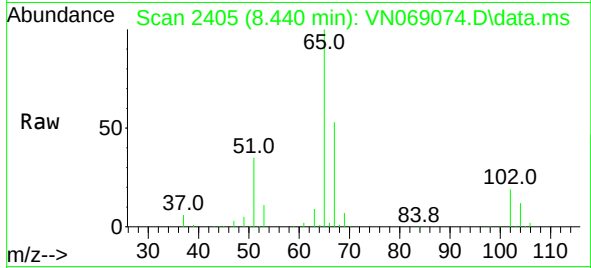




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.632 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. 0.000 min  
 Lab File: VN069074.D  
 Acq: 20 Oct 2021 20:23

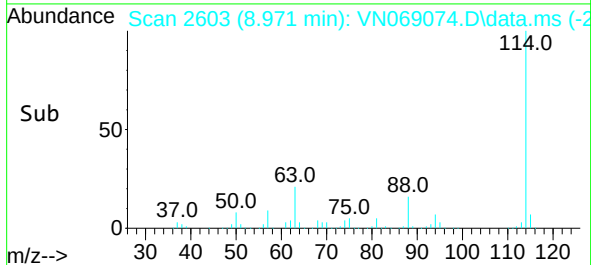
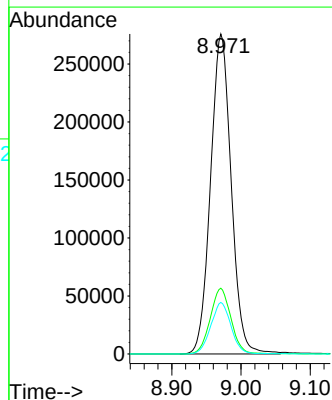
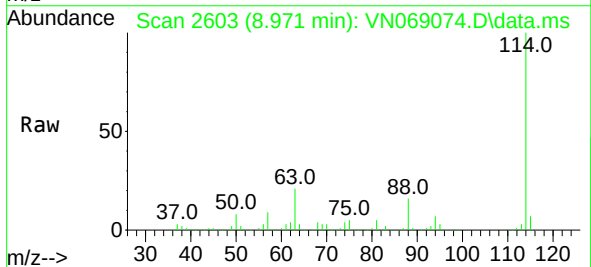
Instrument :  
 MSVOA\_N  
 ClientSampled :

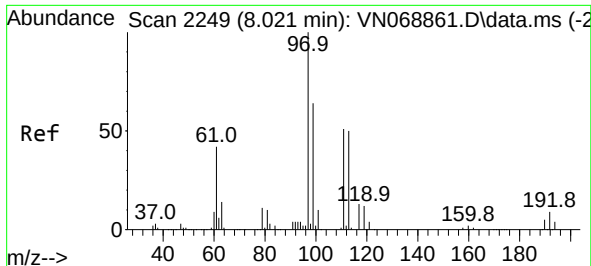
Tgt Ion: 65 Resp: 213139  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. 0.003 min  
 Lab File: VN069074.D  
 Acq: 20 Oct 2021 20:23

Tgt Ion: 114 Resp: 571237  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 42.6  
 88 16.1 0.0 32.0

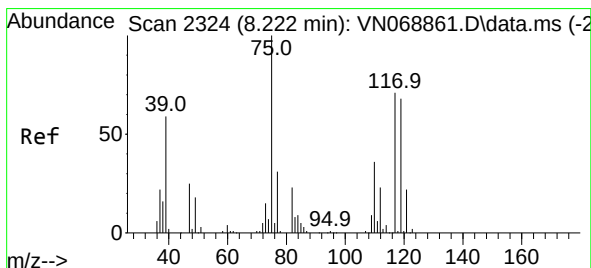
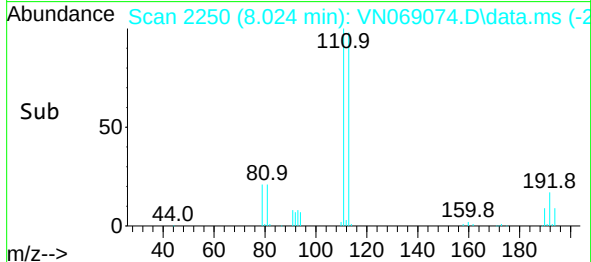
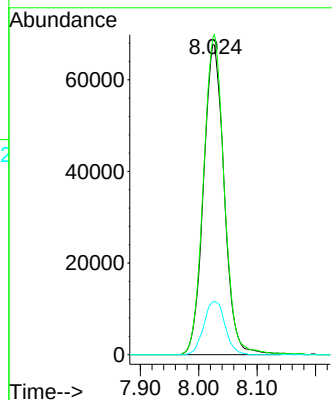
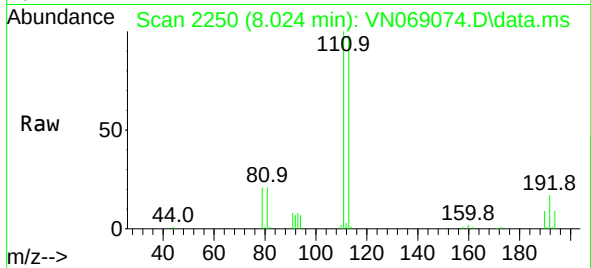




#35  
Dibromofluoromethane  
Concen: 50.196 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

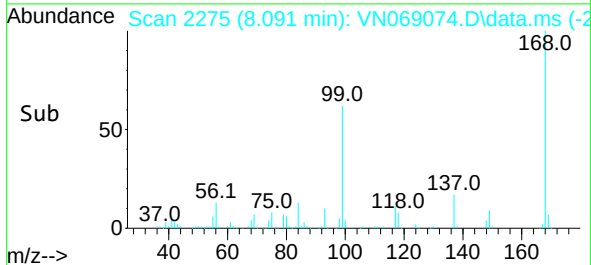
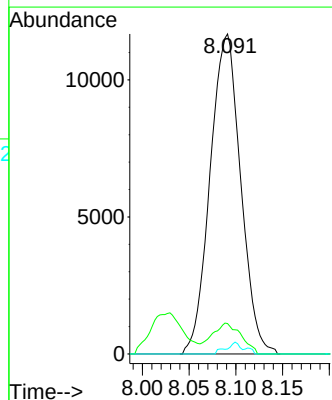
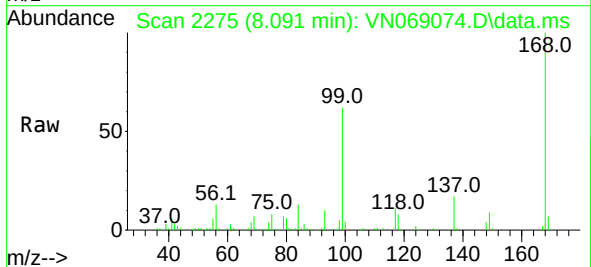
Instrument :  
MSVOA\_N  
ClientSampled :

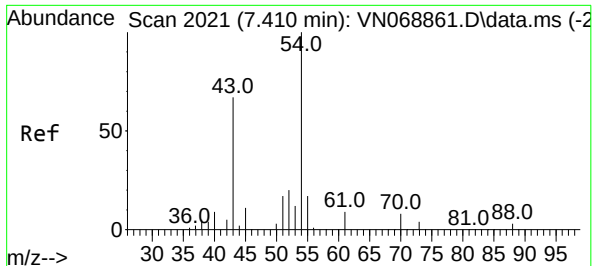
Tgt Ion:113 Resp: 166828  
Ion Ratio Lower Upper  
113 100  
111 103.6 83.2 124.8  
192 17.6 15.0 22.4



#36  
1,1-Dichloropropene  
Concen: 5.448 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.131 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 75 Resp: 26580  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.9 53.8#  
77 1.6 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.557 ug/l

RT: 7.351 min Scan# 1999

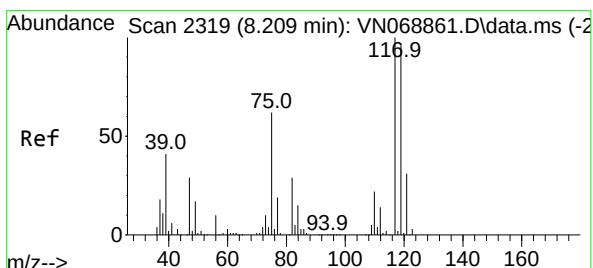
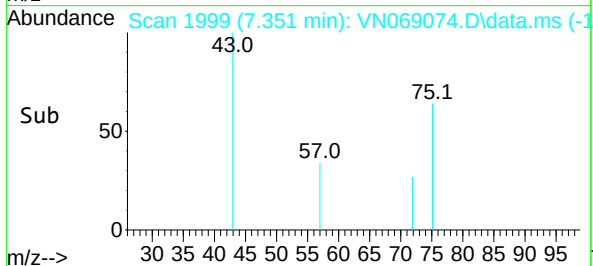
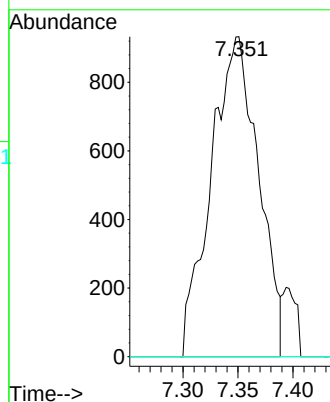
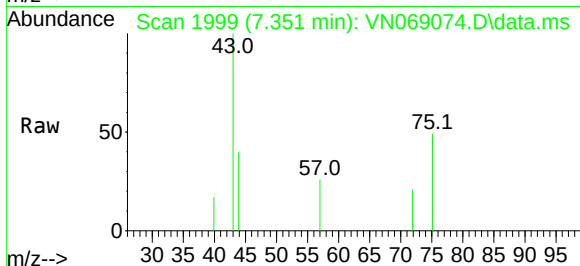
Delta R.T. -0.059 min

Lab File: VN069074.D

Acq: 20 Oct 2021 20:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2805  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 11.2  | 16.8# |
| 70       | 0.0   | 8.4   | 12.6# |

Instrument :  
MSVOA\_N  
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.428 ug/l

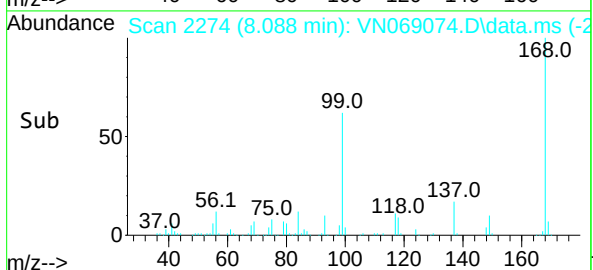
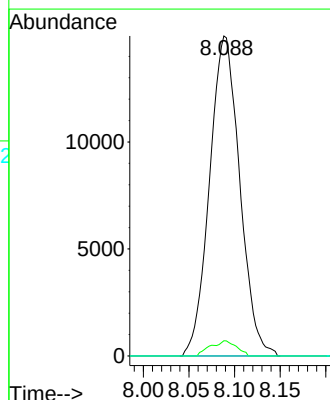
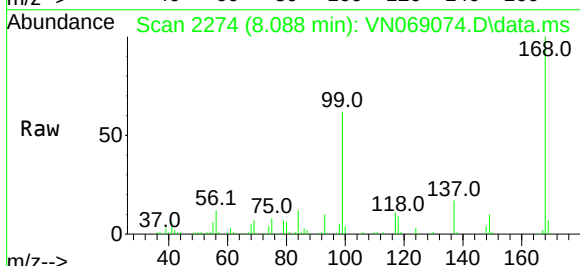
RT: 8.088 min Scan# 2274

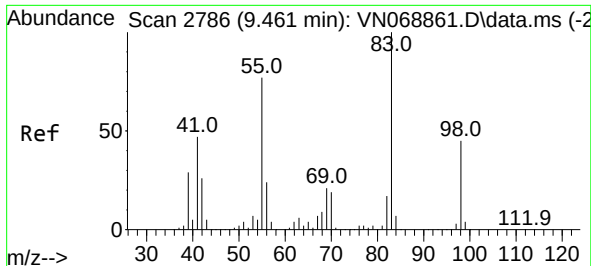
Delta R.T. -0.121 min

Lab File: VN069074.D

Acq: 20 Oct 2021 20:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 34444  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.7   | 76.9  | 115.3# |
| 121      | 0.0   | 24.6  | 37.0#  |

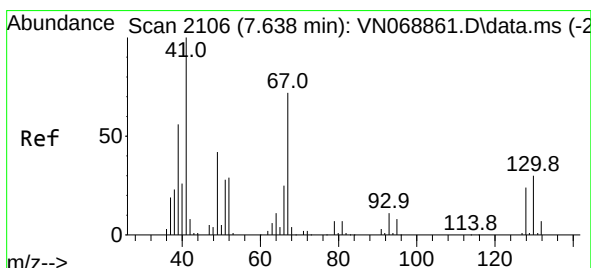
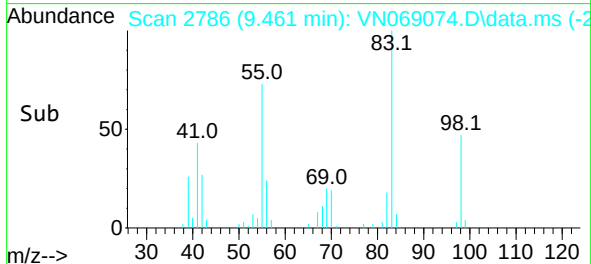
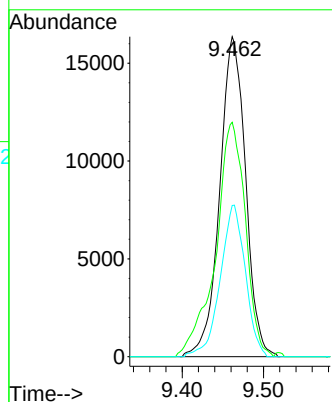
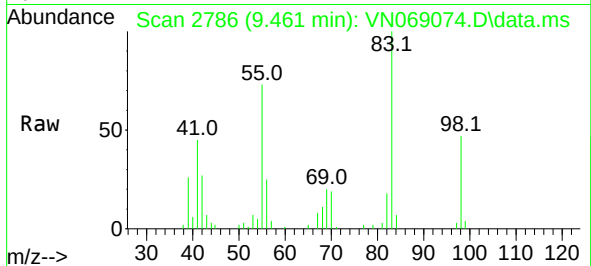




#39  
Methylcyclohexane  
Concen: 5.763 ug/l  
RT: 9.461 min Scan# 2786  
Delta R.T. 0.000 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

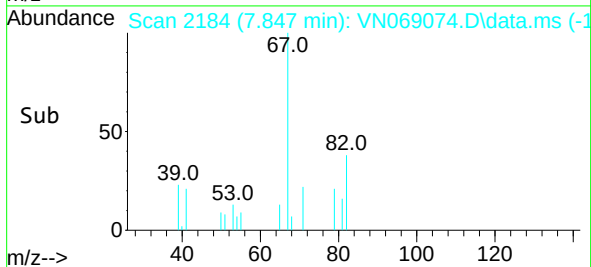
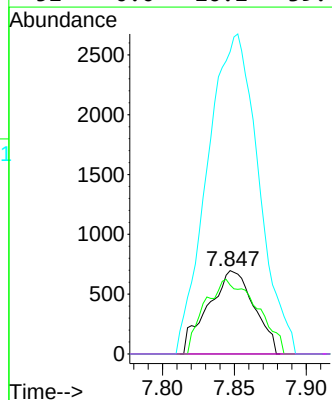
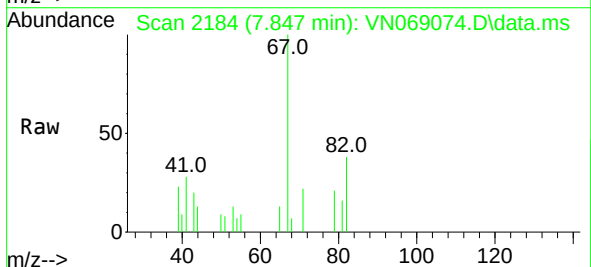
Instrument :  
MSVOA\_N  
ClientSampleId :

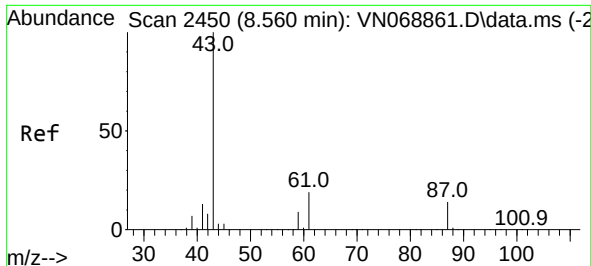
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 36191 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 72.1  | 61.4  | 92.0  |
| 98       | 47.3  | 36.4  | 54.6  |



#41  
Methacrylonitrile  
Concen: 0.610 ug/l  
RT: 7.847 min Scan# 2184  
Delta R.T. 0.209 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 1550  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 101.3 | 44.9  | 67.3# |
| 67       | 426.1 | 62.6  | 93.8# |
| 52       | 0.0   | 26.2  | 39.4# |

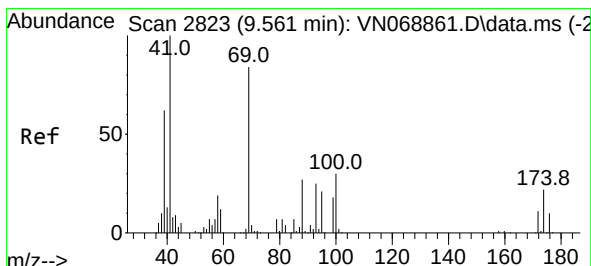
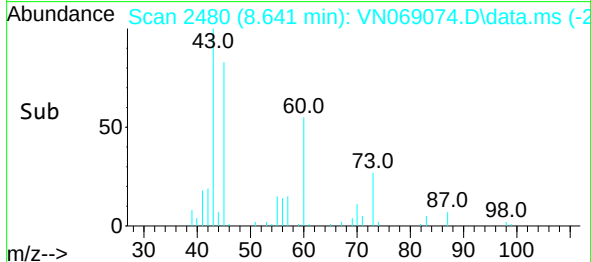
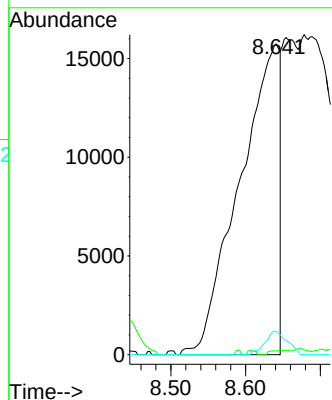
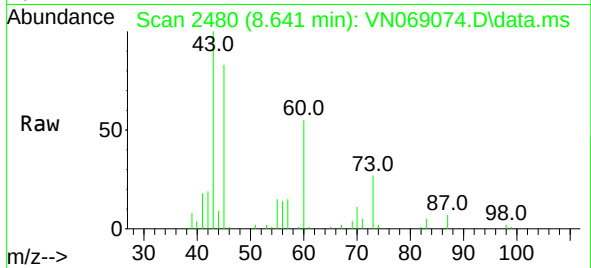




#43  
Isopropyl Acetate  
Concen: 6.579 ug/l  
RT: 8.641 min Scan# 2480  
Delta R.T. 0.081 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

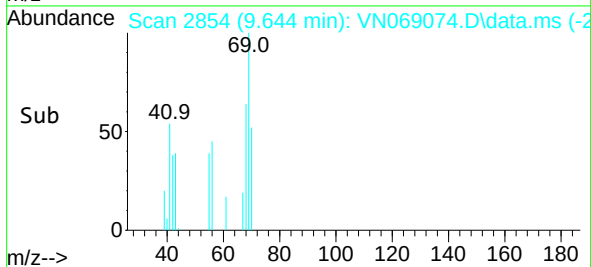
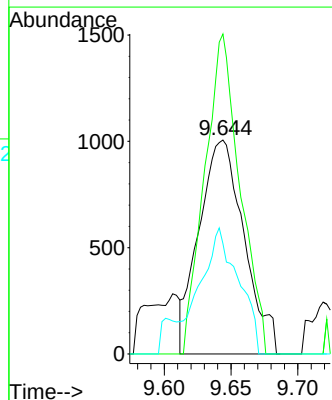
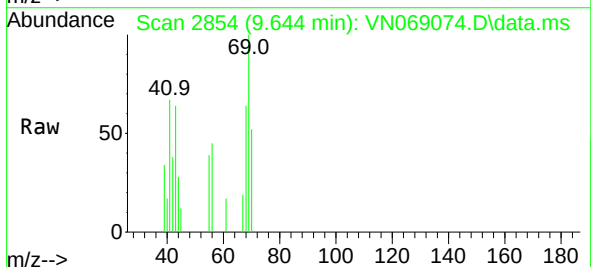
Instrument :  
MSVOA\_N  
ClientSampleId :

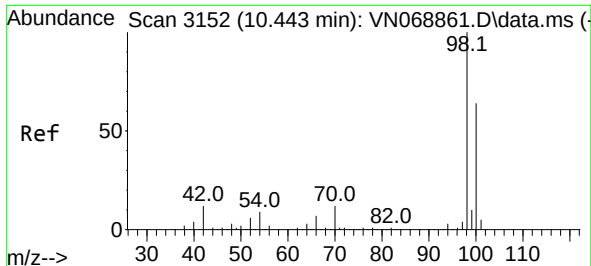
Tgt Ion: 43 Resp: 58495  
Ion Ratio Lower Upper  
43 100  
61 0.6 20.4 30.6#  
87 4.2 10.7 16.1#



#48  
Methyl methacrylate  
Concen: 0.566 ug/l  
RT: 9.644 min Scan# 2854  
Delta R.T. 0.083 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 41 Resp: 2366  
Ion Ratio Lower Upper  
41 100  
69 117.1 66.4 99.6#  
39 49.7 50.2 75.2#

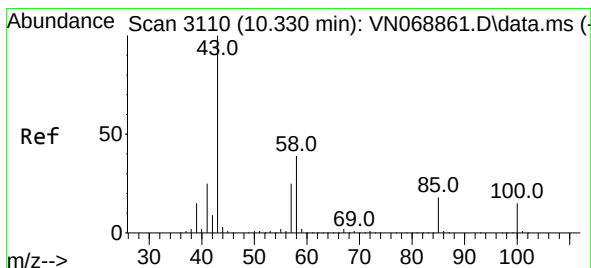
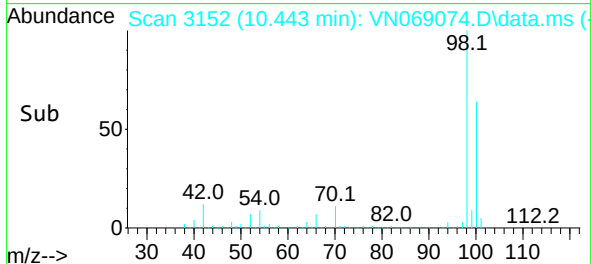
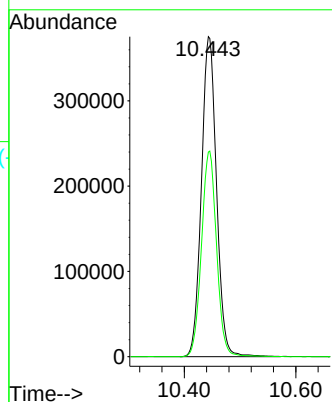
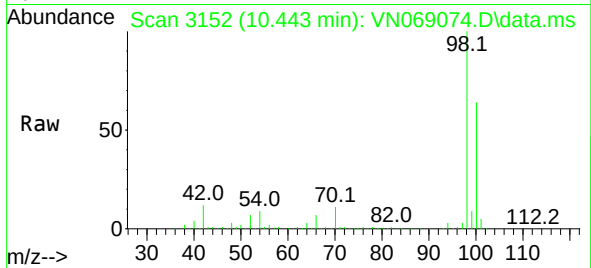




#50  
Toluene-d8  
Concen: 53.080 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

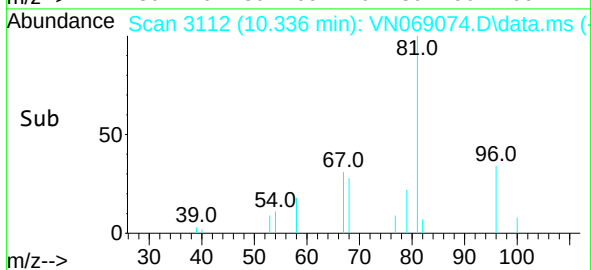
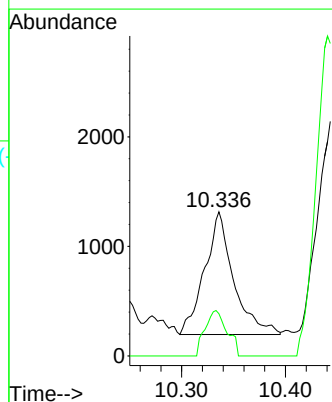
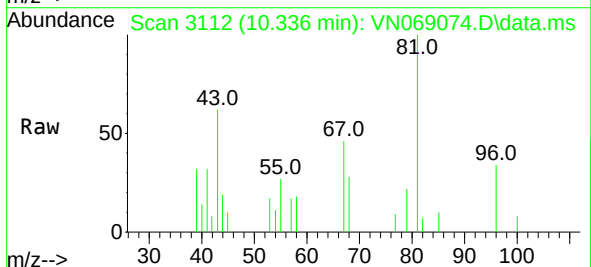
Instrument :  
MSVOA\_N  
ClientSampled :

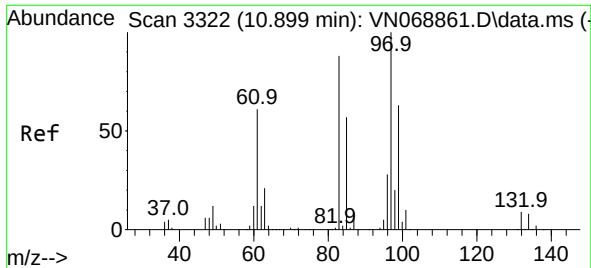
Tgt Ion: 98 Resp: 705851  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.422 ug/l  
RT: 10.336 min Scan# 3112  
Delta R.T. 0.005 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

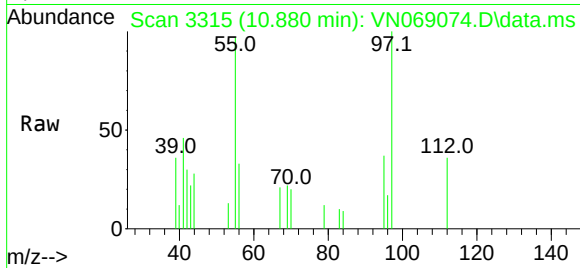
Tgt Ion: 43 Resp: 2174  
Ion Ratio Lower Upper  
43 100  
58 28.1 31.0 46.4#



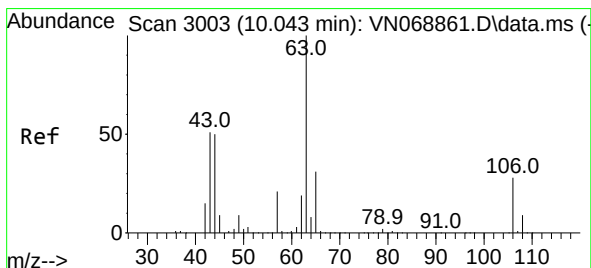
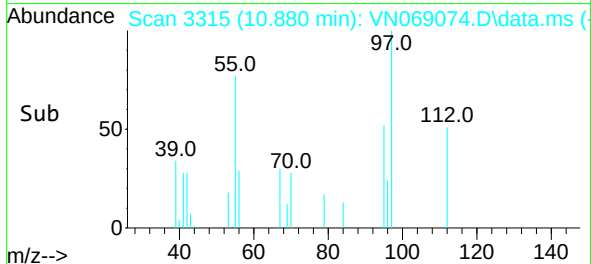
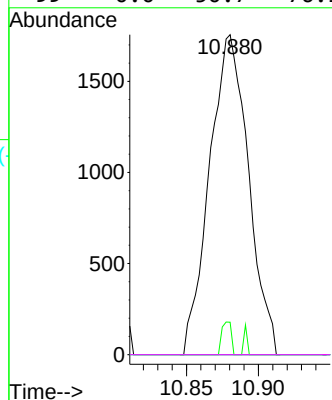


#55  
 1,1,2-Trichloroethane  
 Concen: 0.877 ug/l  
 RT: 10.880 min Scan# 3315  
 Delta R.T. -0.019 min  
 Lab File: VN069074.D  
 Acq: 20 Oct 2021 20:23

Instrument :  
 MSVOA\_N  
 ClientSampled :

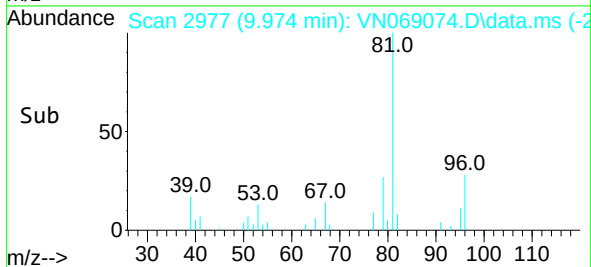
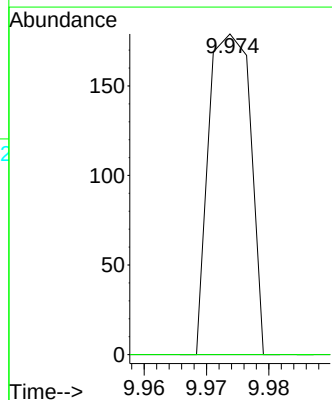
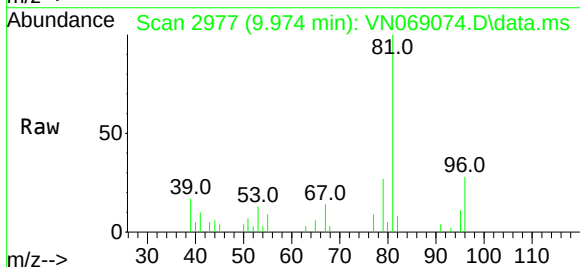


Tgt Ion: 97 Resp: 3306  
 Ion Ratio Lower Upper  
 97 100  
 83 10.1 70.5 105.7#  
 85 0.0 45.3 67.9#  
 99 0.0 50.7 76.1#

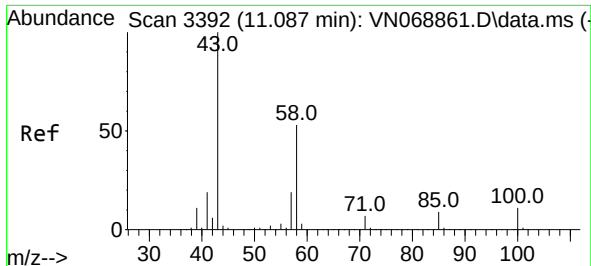


#58  
 2-Chloroethyl Vinyl ether  
 Concen: 18.799 ug/l  
 RT: 9.974 min Scan# 2977  
 Delta R.T. -0.069 min  
 Lab File: VN069074.D  
 Acq: 20 Oct 2021 20:23

Tgt Ion: 63 Resp: 83  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 22.2 33.2#



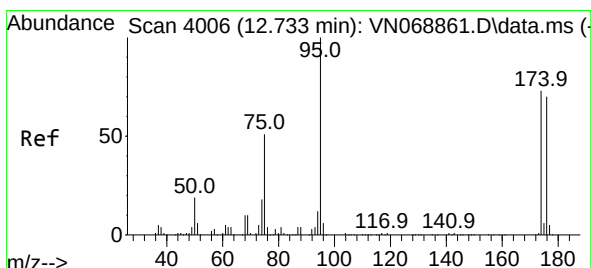
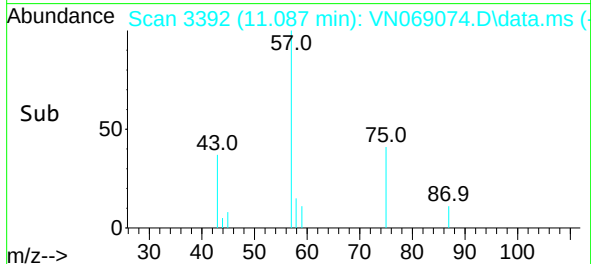
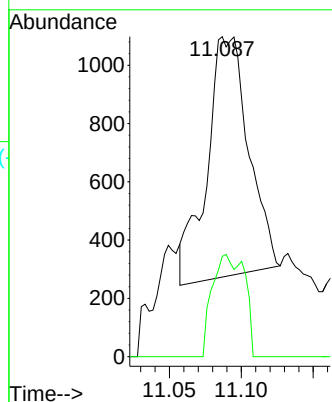
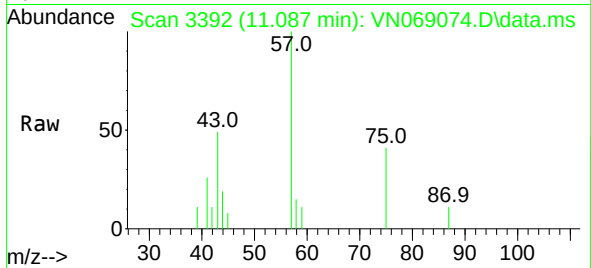




#59  
2-Hexanone  
Concen: 0.450 ug/l  
RT: 11.087 min Scan# 3392  
Delta R.T. 0.000 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

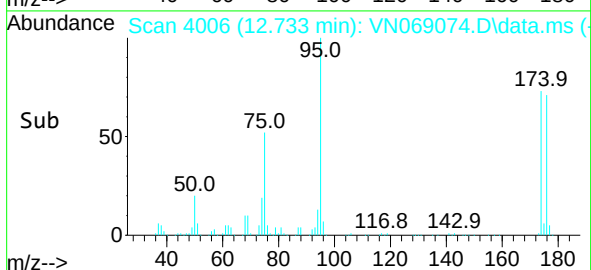
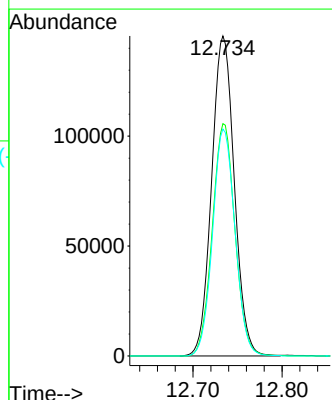
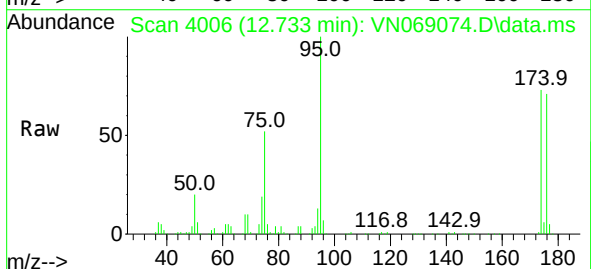
Instrument :  
MSVOA\_N  
ClientSampleId :

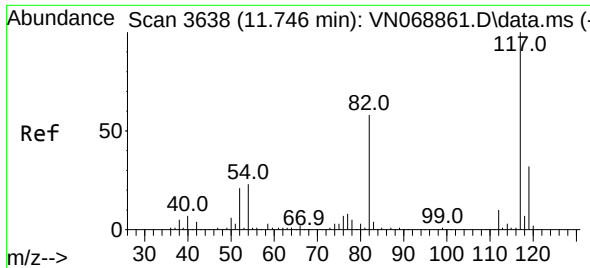
Tgt Ion: 43 Resp: 1662  
Ion Ratio Lower Upper  
43 100  
58 22.0 26.9 80.7#



#62  
4-Bromofluorobenzene  
Concen: 51.337 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 95 Resp: 257565  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 144.8  
176 70.2 0.0 140.0

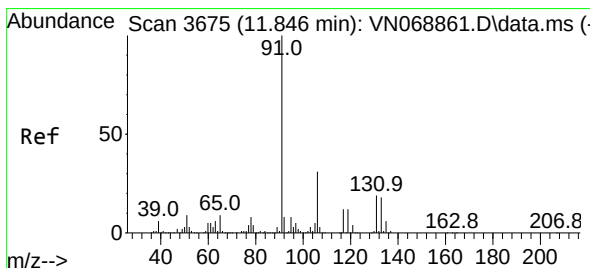
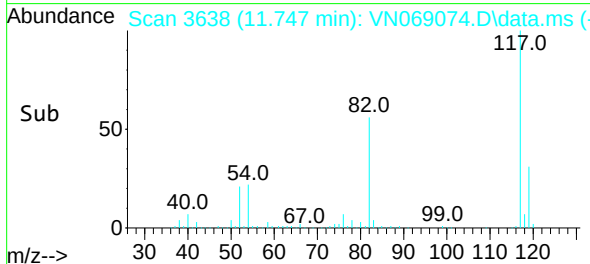
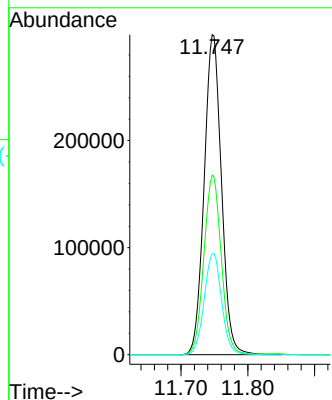
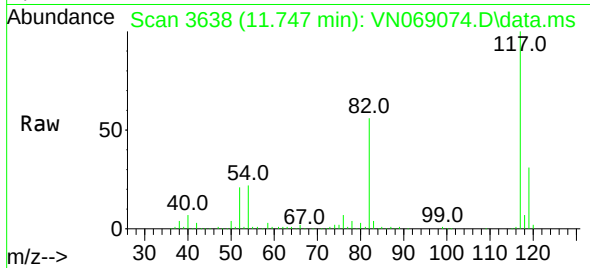




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

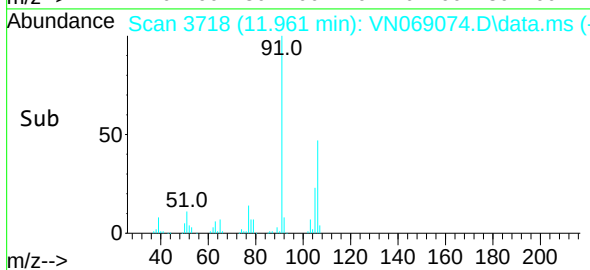
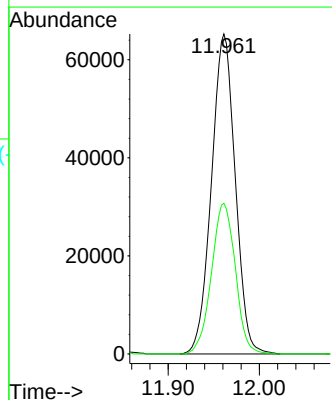
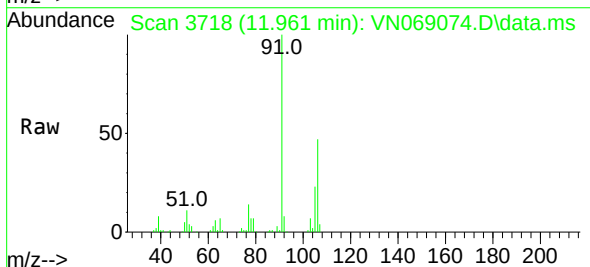
Instrument :  
MSVOA\_N  
ClientSampleId :

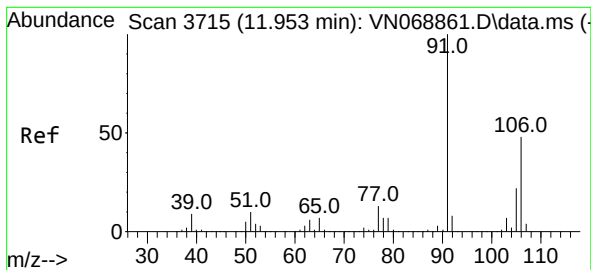
Tgt Ion:117 Resp: 536751  
Ion Ratio Lower Upper  
117 100  
82 56.1 46.4 69.6  
119 31.5 26.0 39.0



#67  
Ethyl Benzene  
Concen: 6.274 ug/l  
RT: 11.961 min Scan# 3718  
Delta R.T. 0.115 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 91 Resp: 118373  
Ion Ratio Lower Upper  
91 100  
106 47.1 24.8 37.2#

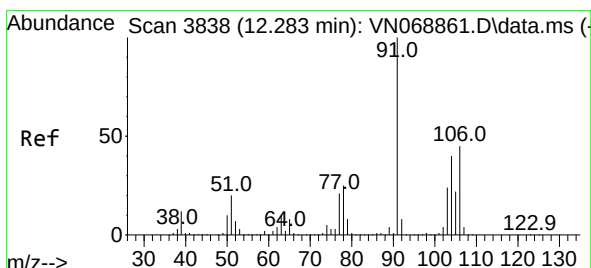
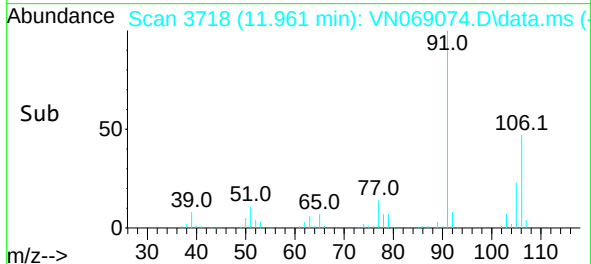
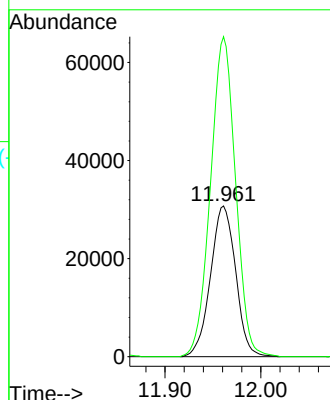
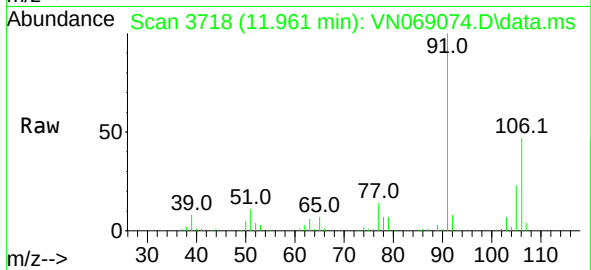




#68  
m/p-Xylenes  
Concen: 7.831 ug/l  
RT: 11.961 min Scan# 3718  
Delta R.T. 0.008 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

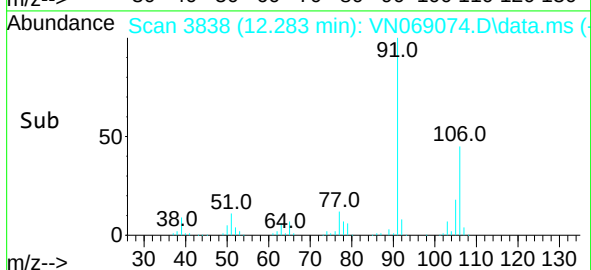
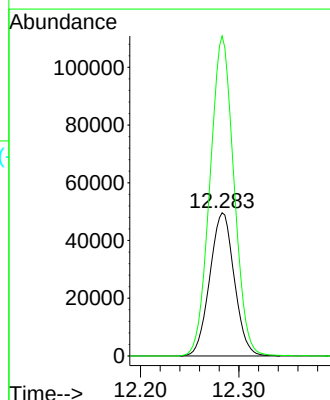
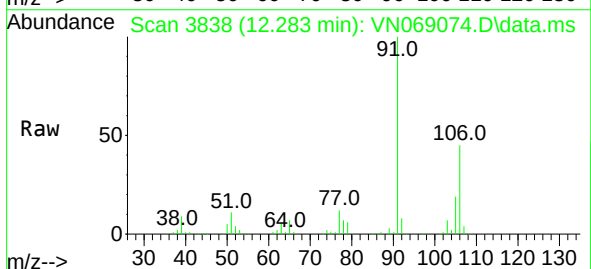
Instrument :  
MSVOA\_N  
ClientSampled :

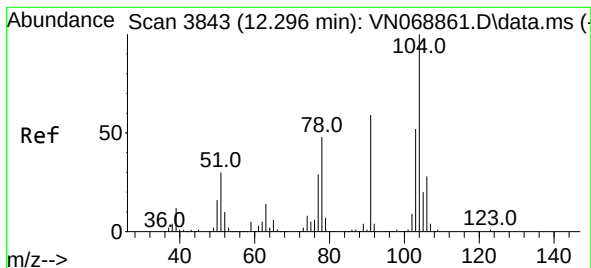
Tgt Ion:106 Resp: 56005  
Ion Ratio Lower Upper  
106 100  
91 211.4 166.8 250.2



#69  
o-Xylene  
Concen: 11.984 ug/l  
RT: 12.283 min Scan# 3838  
Delta R.T. 0.000 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion:106 Resp: 85794  
Ion Ratio Lower Upper  
106 100  
91 219.1 109.6 328.6





#70

Styrene

Concen: 0.383 ug/l

RT: 12.286 min Scan# 3839

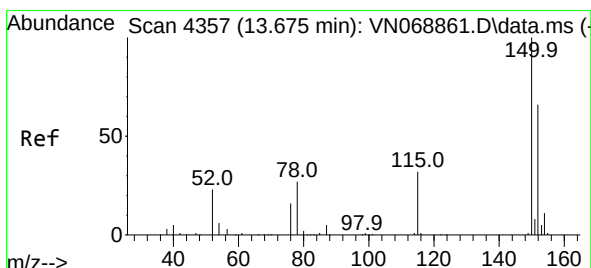
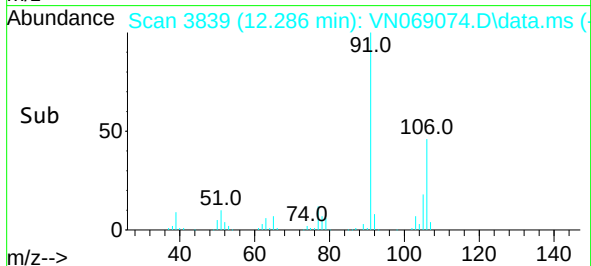
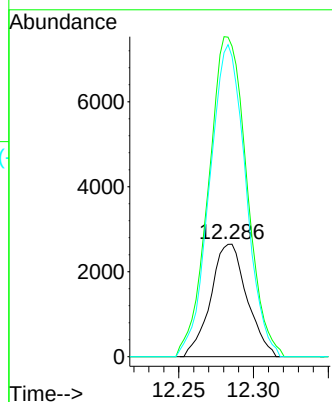
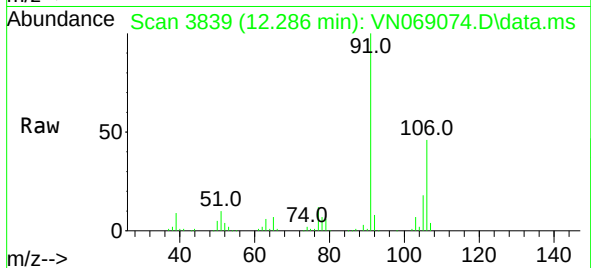
Delta R.T. -0.011 min

Lab File: VN069074.D

Acq: 20 Oct 2021 20:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 104   | Resp: | 4462  |
| Ion Ratio | Lower | Upper |       |
| 104       | 100   |       |       |
| 78        | 299.6 | 42.2  | 63.4# |
| 103       | 276.7 | 44.4  | 66.6# |

Instrument :  
MSVOA\_N  
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

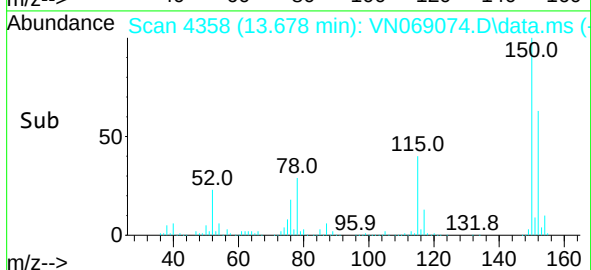
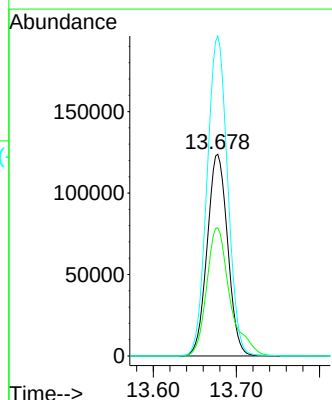
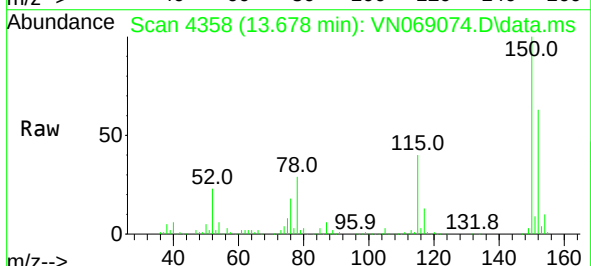
RT: 13.678 min Scan# 4358

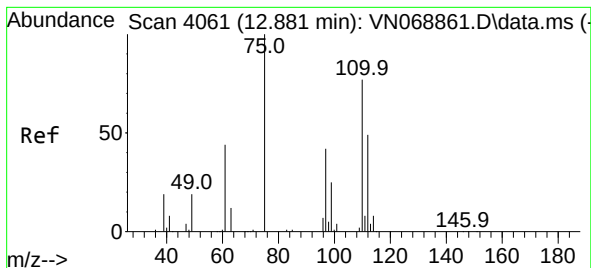
Delta R.T. 0.003 min

Lab File: VN069074.D

Acq: 20 Oct 2021 20:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 212201 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 72.1  | 31.4  | 94.3   |
| 150       | 159.0 | 0.0   | 351.0  |

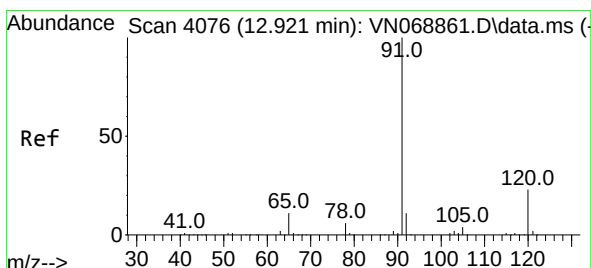
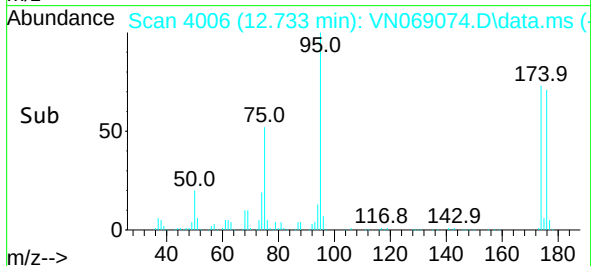
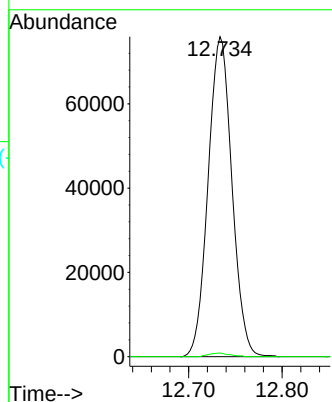
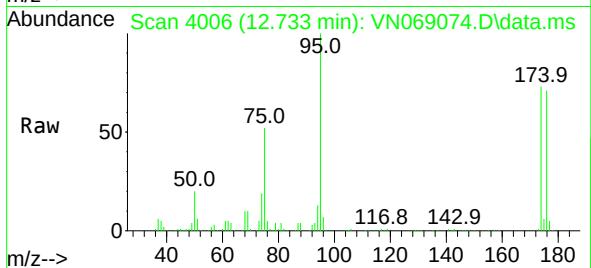




#76  
1,2,3-Trichloropropane  
Concen: 29.741 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.147 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

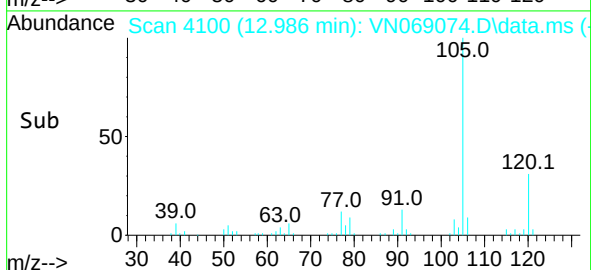
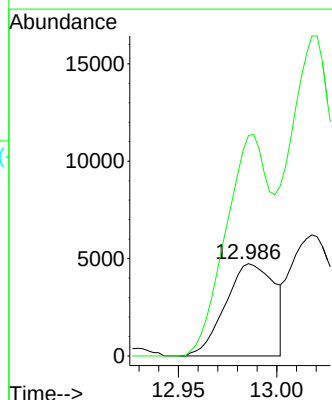
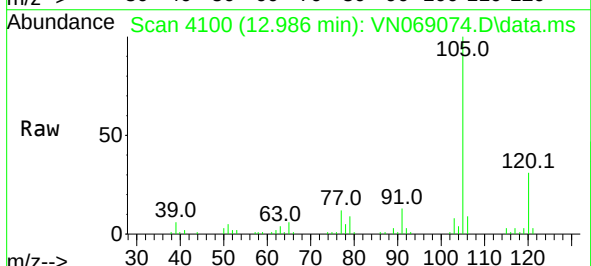
Instrument :  
MSVOA\_N  
ClientSampleId :

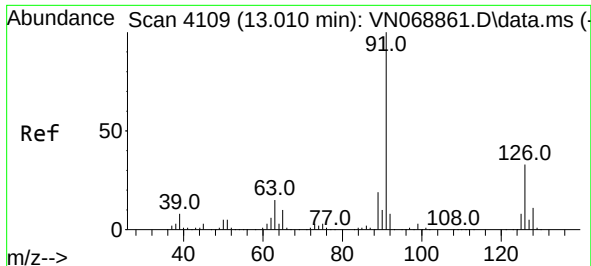
Tgt Ion: 75 Resp: 134280  
Ion Ratio Lower Upper  
75 100  
77 1.0 96.2 288.4#



#78  
n-propylbenzene  
Concen: 0.416 ug/l  
RT: 12.986 min Scan# 4100  
Delta R.T. 0.064 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 91 Resp: 8254  
Ion Ratio Lower Upper  
91 100  
120 216.3 11.4 34.1#

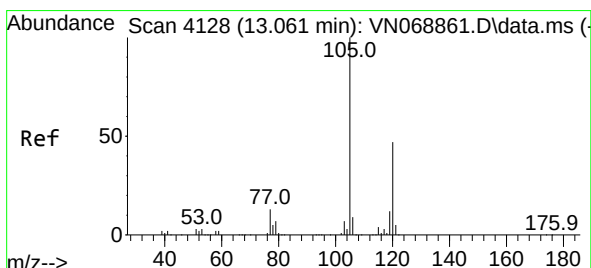
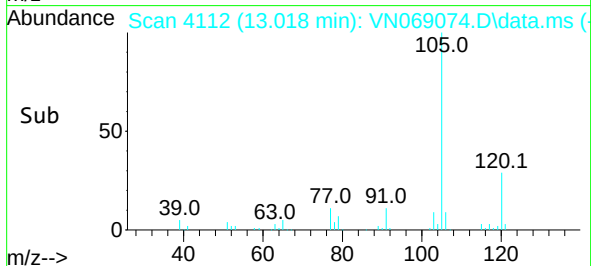
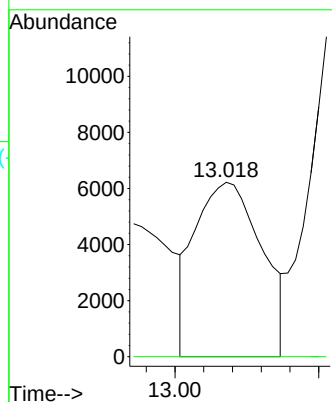
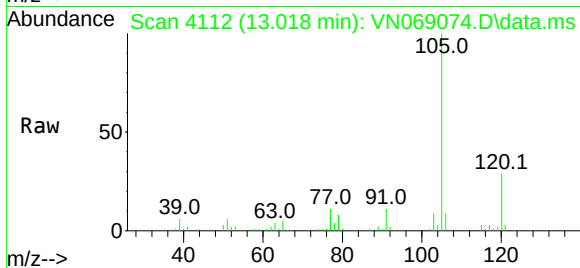




#79  
2-Chlorotoluene  
Concen: 0.821 ug/l  
RT: 13.018 min Scan# 4112  
Delta R.T. 0.008 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

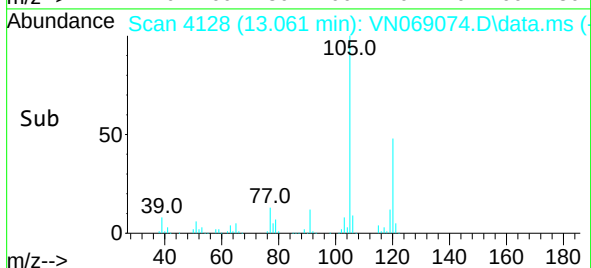
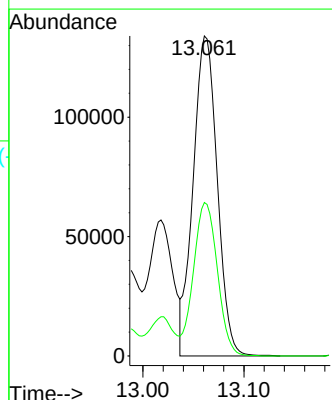
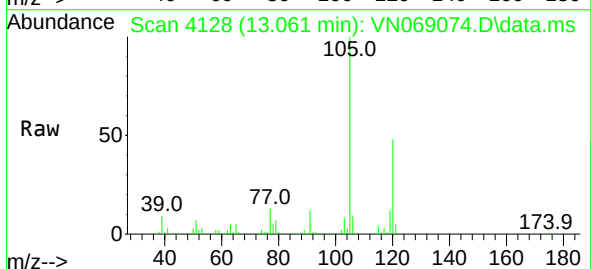
Instrument :  
MSVOA\_N  
ClientSampleId :

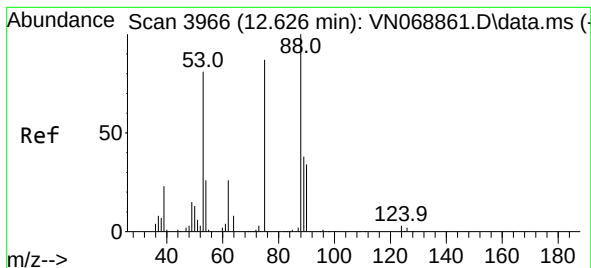
Tgt Ion: 91 Resp: 10041  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.4 49.4#



#80  
1,3,5-Trimethylbenzene  
Concen: 15.109 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. 0.000 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 105 Resp: 222285  
Ion Ratio Lower Upper  
105 100  
120 47.8 23.4 70.2

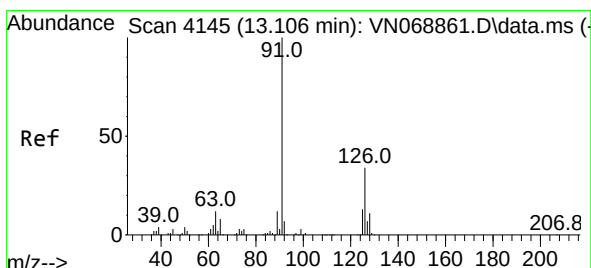
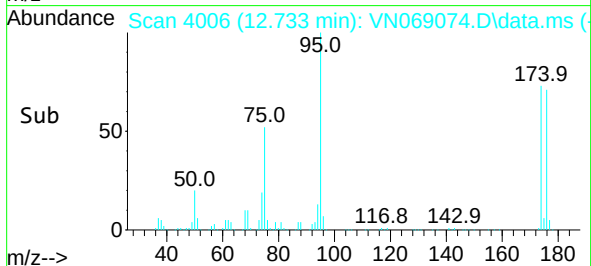
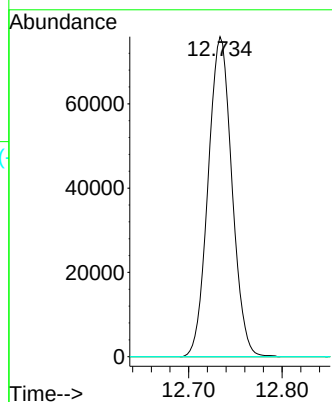
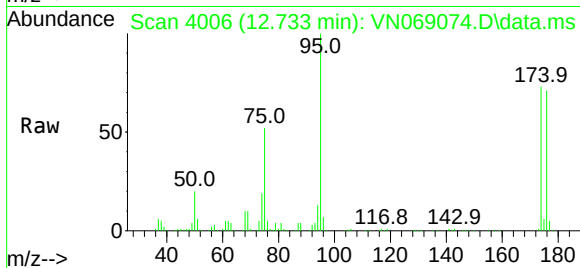




#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.153 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.107 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

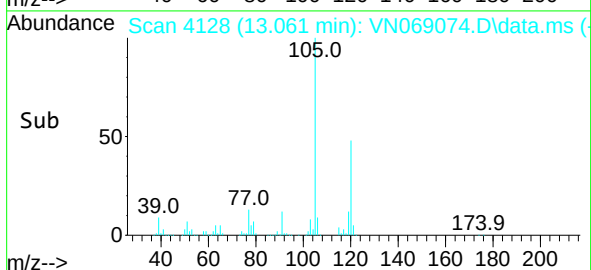
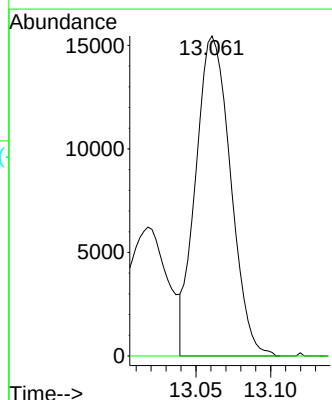
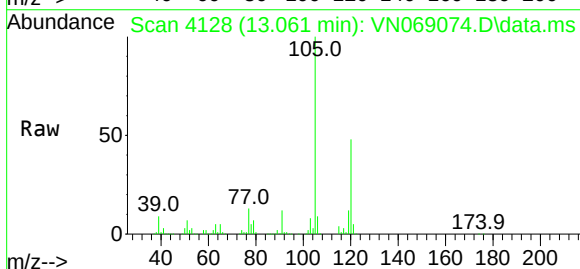
Instrument :  
MSVOA\_N  
ClientSampled :

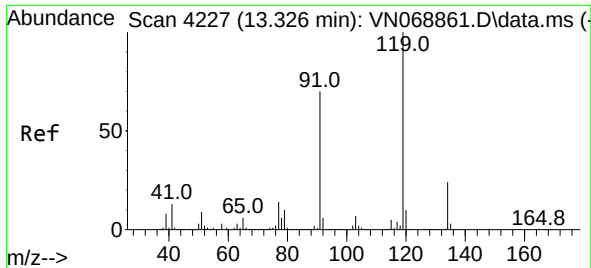
Tgt Ion: 75 Resp: 134280  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.4 113.2#  
89 0.0 36.9 55.3#



#82  
4-Chlorotoluene  
Concen: 2.116 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. -0.046 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion: 91 Resp: 25014  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.3 48.8#

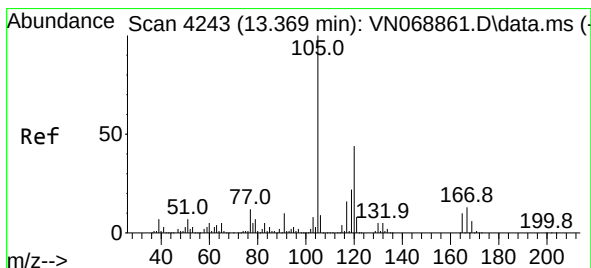
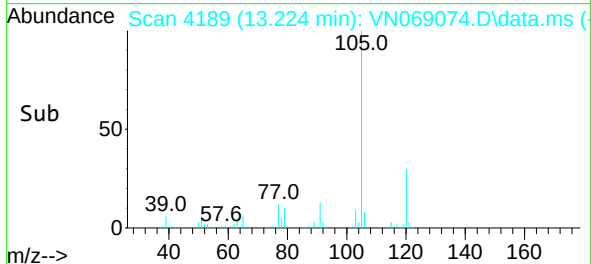
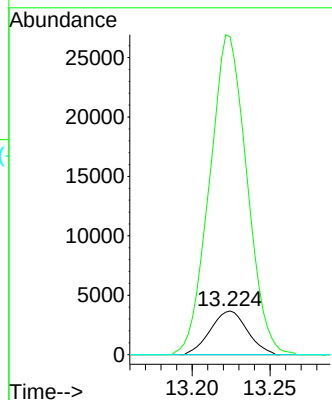
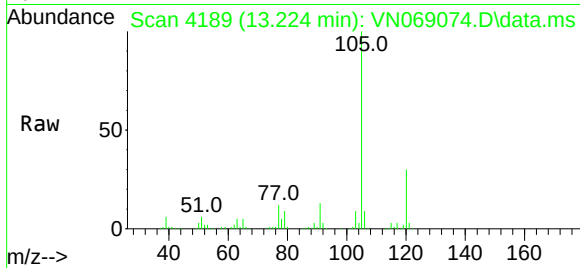




#83  
tert-Butylbenzene  
Concen: 0.474 ug/l  
RT: 13.224 min Scan# 4189  
Delta R.T. -0.102 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

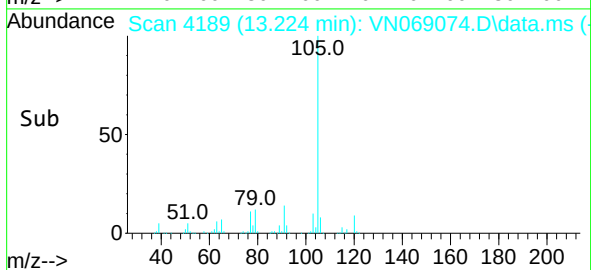
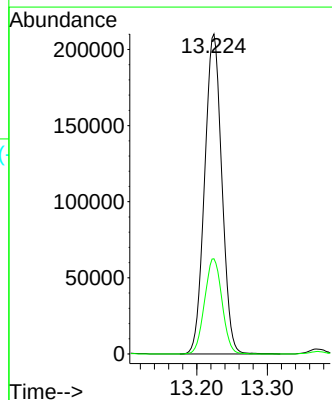
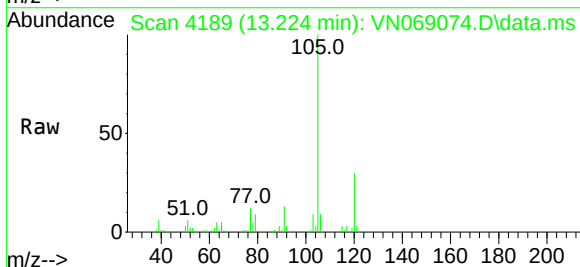
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:119 Resp: 6068  
Ion Ratio Lower Upper  
119 100  
91 739.7 34.6 103.9#  
134 0.0 12.6 37.6#

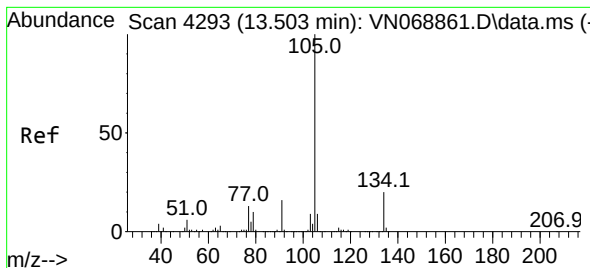


#84  
1,2,4-Trimethylbenzene  
Concen: 25.139 ug/l  
RT: 13.224 min Scan# 4189  
Delta R.T. -0.145 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Tgt Ion:105 Resp: 356343  
Ion Ratio Lower Upper  
105 100  
120 30.1 21.9 65.5







#85

sec-Butylbenzene

Concen: 24.442 ug/l

RT: 13.707 min Scan# 4369

Delta R.T. 0.204 min

Lab File: VN069074.D

Acq: 20 Oct 2021 20:23

Instrument :

MSVOA\_N

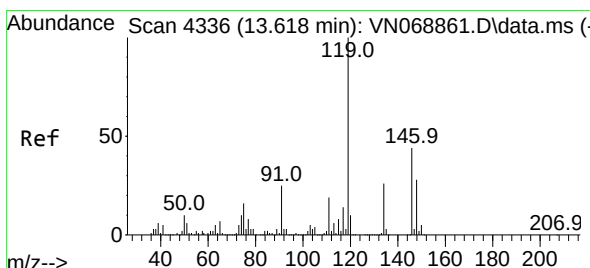
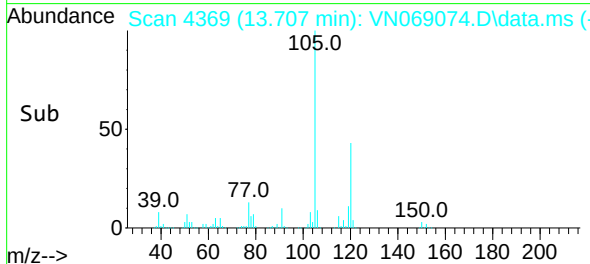
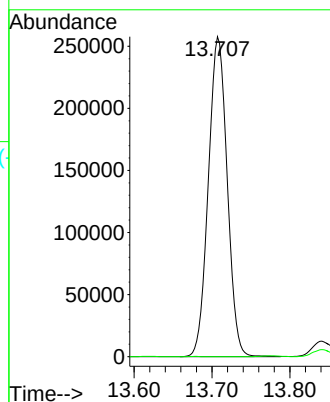
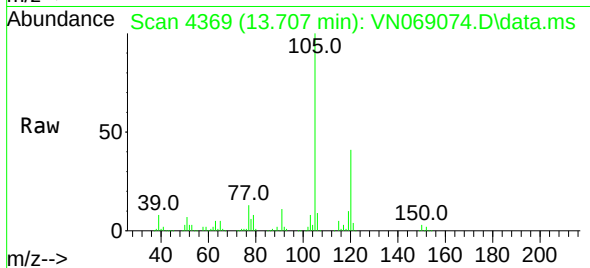
ClientSampleId :

Tgt Ion:105 Resp: 433510

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 1.002 ug/l

RT: 13.562 min Scan# 4315

Delta R.T. -0.056 min

Lab File: VN069074.D

Acq: 20 Oct 2021 20:23

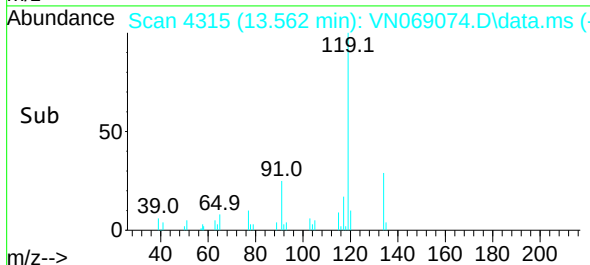
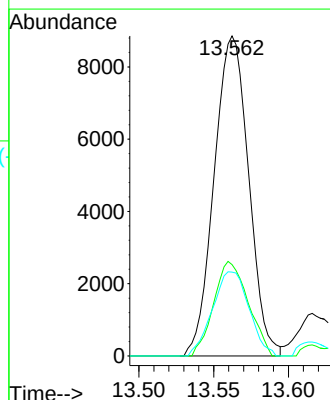
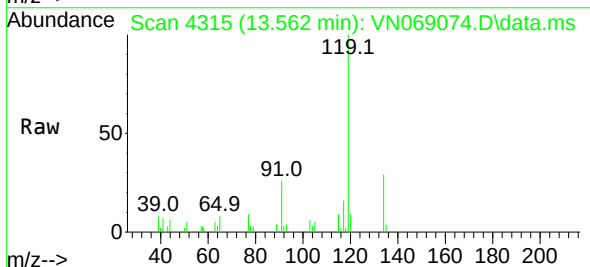
Tgt Ion:119 Resp: 14255

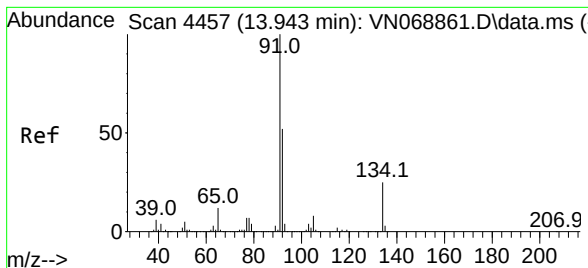
Ion Ratio Lower Upper

119 100

134 29.5 12.9 38.6

91 27.8 12.8 38.4

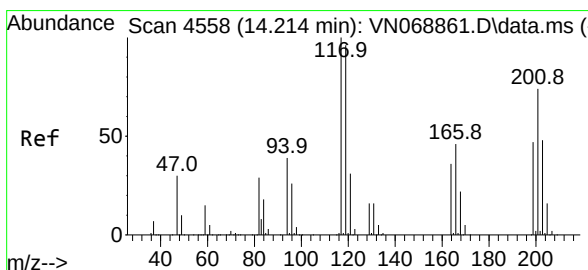
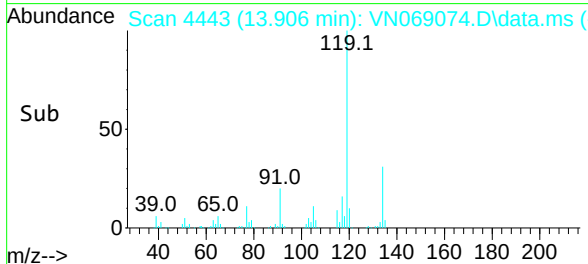
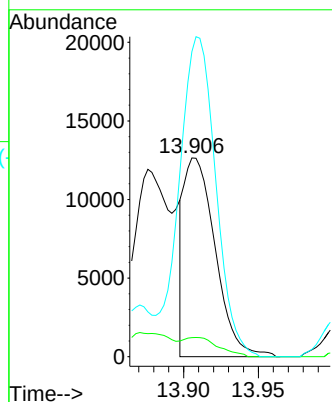
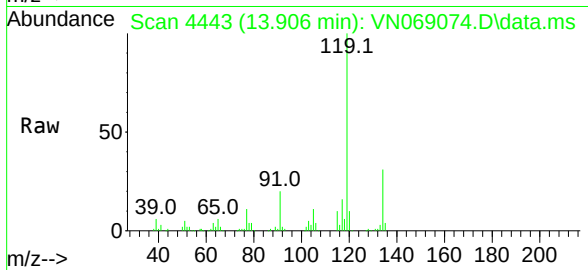




#89  
n-Butylbenzene  
Concen: 1.547 ug/l  
RT: 13.906 min Scan# 4443  
Delta R.T. -0.037 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

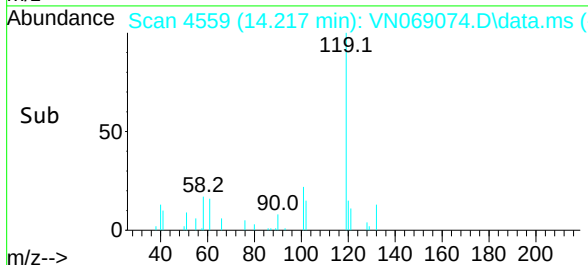
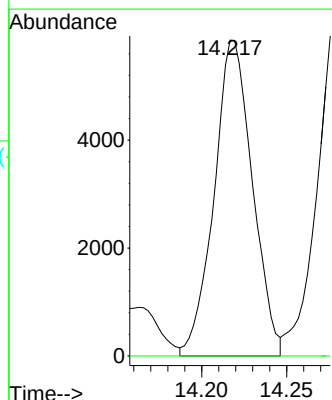
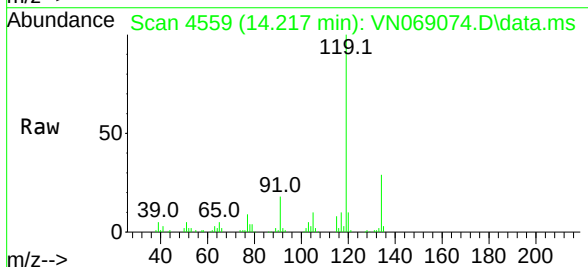
Instrument :  
MSVOA\_N  
ClientSampled :

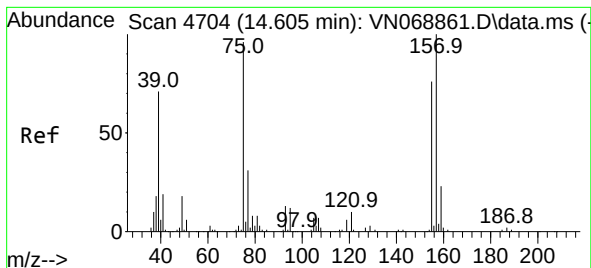
Tgt Ion: 91 Resp: 18317  
Ion Ratio Lower Upper  
91 100  
92 0.0 26.0 78.0#  
134 188.7 12.5 37.5#



#90  
Hexachloroethane  
Concen: 3.075 ug/l  
RT: 14.217 min Scan# 4559  
Delta R.T. 0.003 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

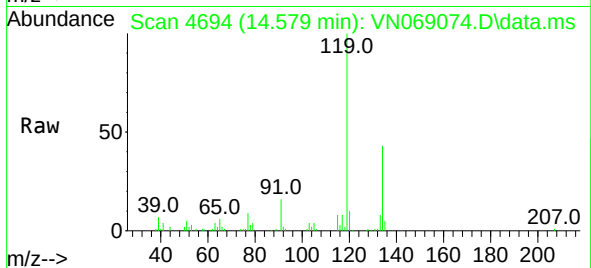
Tgt Ion: 117 Resp: 9188  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.1 111.5#



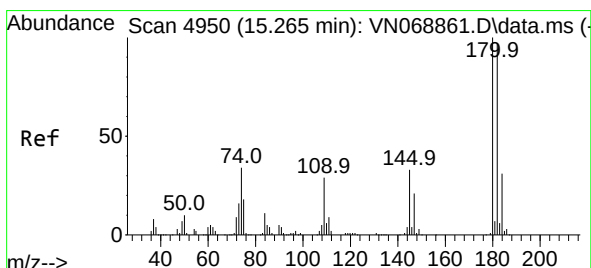
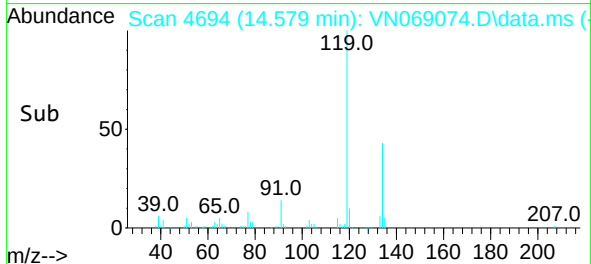
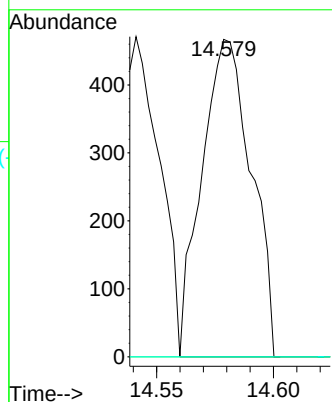


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.699 ug/l  
 RT: 14.579 min Scan# 4694  
 Delta R.T. -0.027 min  
 Lab File: VN069074.D  
 Acq: 20 Oct 2021 20:23

Instrument :  
 MSVOA\_N  
 ClientSampled :

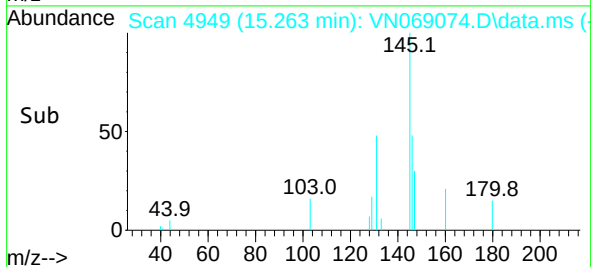
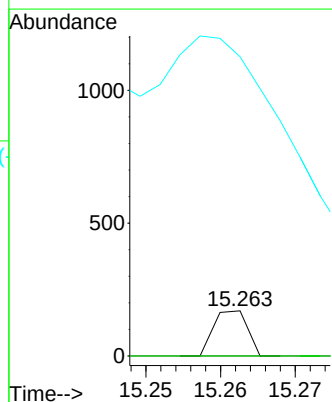
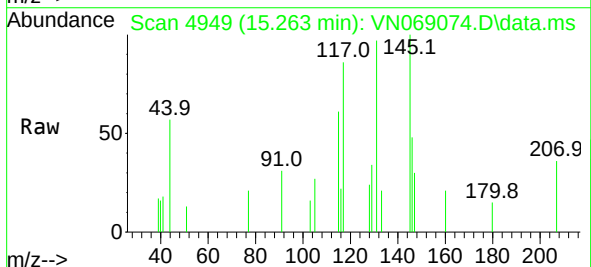


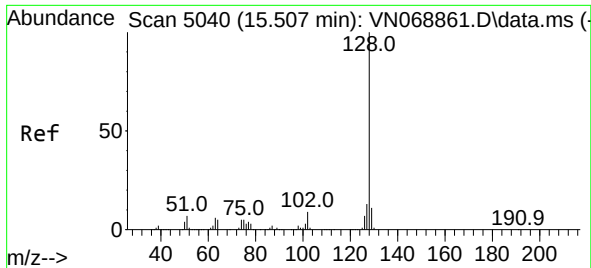
Tgt Ion: 75 Resp: 688  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 38.8 116.4#  
 157 0.0 50.2 150.6#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.616 ug/l  
 RT: 15.263 min Scan# 4949  
 Delta R.T. -0.002 min  
 Lab File: VN069074.D  
 Acq: 20 Oct 2021 20:23

Tgt Ion: 180 Resp: 54  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 47.9 143.7#  
 145 0.0 16.4 49.2#





#95  
Naphthalene  
Concen: 4.563 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN069074.D  
Acq: 20 Oct 2021 20:23

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 8009  
Ion Ratio Lower Upper  
128 100  
127 17.0 10.5 15.7#  
129 11.6 8.9 13.3

