

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060123\  
 Data File : VN078008.D  
 Acq On : 01 Jun 2023 12:52  
 Operator : JC\MD  
 Sample : VN0601MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0601MBL01

Quant Time: Jun 02 01:50:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.236  | 168   | 378547   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.112  | 114   | 690585   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 592177   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.800 | 152   | 188458   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 255799   | 45.162    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 90.320%  |
| 35) Dibromofluoromethane      | 8.171  | 113   | 225328   | 50.037    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 100.080% |
| 50) Toluene-d8                | 10.577 | 98    | 855238   | 49.341    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 98.680%  |
| 62) 4-Bromofluorobenzene      | 12.859 | 95    | 249592   | 40.771    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 81.540%# |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.371  | 50    | 933      | Below Cal |        | 93       |
| 5) Bromomethane               | 2.971  | 94    | 3352     | 0.834     | ug/l # | 81       |
| 10) Methyl Iodide             | 4.624  | 142   | 3280     | 0.657     | ug/l # | 91       |
| 11) Tert butyl alcohol        | 5.501  | 59    | 685      | 0.876     | ug/l # | 72       |
| 13) Acrolein                  | 4.189  | 56    | 703      | Below Cal | #      | 71       |
| 15) Acrylonitrile             | 5.736  | 53    | 1778     | 0.851     | ug/l # | 78       |
| 16) Acetone                   | 4.448  | 43    | 2531     | 1.420     | ug/l # | 40       |
| 17) Carbon Disulfide          | 4.724  | 76    | 6448     | 0.601     | ug/l   | 95       |
| 20) Methylene Chloride        | 5.283  | 84    | 929      | Below Cal | #      | 61       |
| 25) 2-Butanone                | 7.495  | 43    | 1234     | 0.443     | ug/l # | 76       |
| 31) Cyclohexane               | 8.236  | 56    | 9258     | 1.203     | ug/l # | 54       |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 31903    | 4.844     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.236  | 117   | 40877    | 6.146     | ug/l # | 17       |
| 49) 1,4-Dioxane               | 9.706  | 88    | 135      | 1.572     | ug/l # | 39       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43    | 2815     | 0.494     | ug/l   | 94       |
| 59) 2-Hexanone                | 11.206 | 43    | 4459     | 1.058     | ug/l   | 86       |
| 68) m/p-Xylenes               | 12.077 | 106   | 2782     | 0.319     | ug/l   | 75       |
| 74) N-amyl acetate            | 12.500 | 43    | 1929     | 0.321     | ug/l # | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83    | 1584     | 0.317     | ug/l # | 58       |
| 76) 1,2,3-Trichloropropane    | 12.859 | 75    | 131322   | 27.824    | ug/l # | 1        |
| 77) Bromobenzene              | 12.988 | 156   | 1436     | 0.387     | ug/l   | 77       |
| 78) n-propylbenzene           | 13.041 | 91    | 5478     | 0.286     | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.135 | 91    | 2596     | 0.227     | ug/l   | 85       |
| 81) trans-1,4-Dichloro-2-b... | 12.859 | 75    | 131322   | 88.941    | ug/l # | 15       |
| 82) 4-Chlorotoluene           | 13.235 | 91    | 5032     | 0.443     | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105   | 3422     | 0.255     | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.624 | 105   | 3784     | 0.223     | ug/l   | 88       |
| 86) p-Isopropyltoluene        | 13.735 | 119   | 3925     | 0.291     | ug/l   | 92       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146   | 4032     | 0.588     | ug/l # | 71       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146   | 4810     | 0.707     | ug/l # | 52       |
| 89) n-Butylbenzene            | 14.065 | 91    | 6043     | 0.487     | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146   | 4172     | 0.651     | ug/l   | 92       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75    | 847      | 0.875     | ug/l # | 53       |
| 93) 1,2,4-Trichlorobenzene    | 15.406 | 180   | 3675     | 0.982     | ug/l   | 82       |
| 94) Hexachlorobutadiene       | 15.506 | 225   | 2258     | 1.453     | ug/l   | 85       |
| 95) Naphthalene               | 15.647 | 128   | 16419    | 1.274     | ug/l   | 97       |

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Data File : VN078008.D  
Acq On : 01 Jun 2023 12:52  
Operator : JC\MD  
Sample : VN0601MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

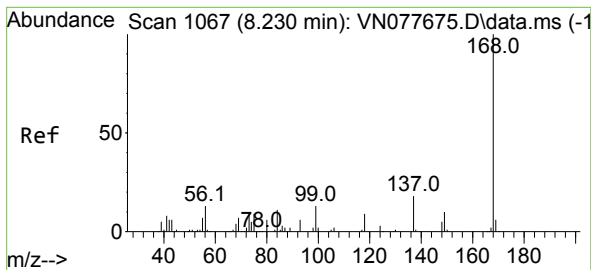
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

Quant Time: Jun 02 01:50:07 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 04:07:42 2023  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.853 | 180  | 6160     | 1.681 | ug/l  | 97       |

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

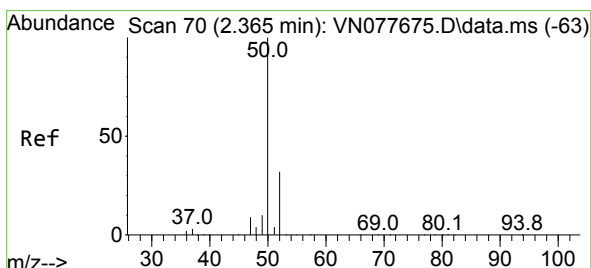
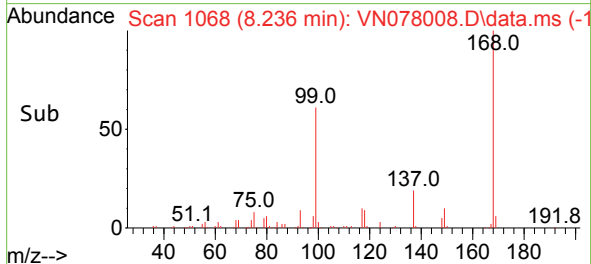
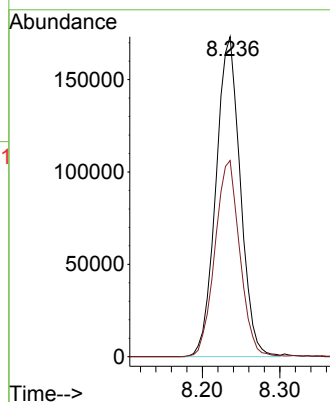
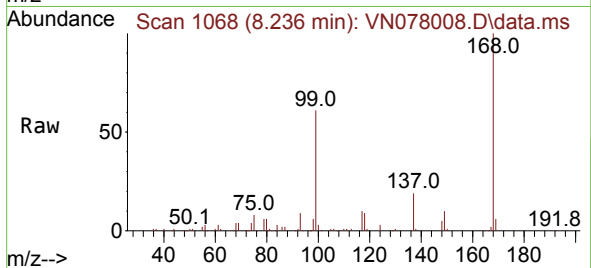




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

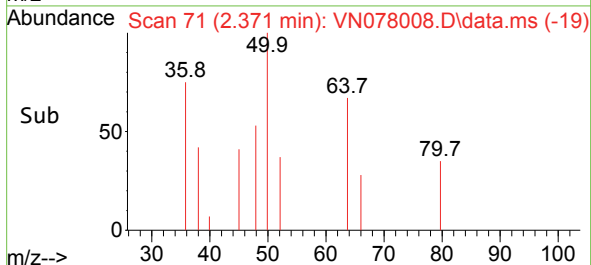
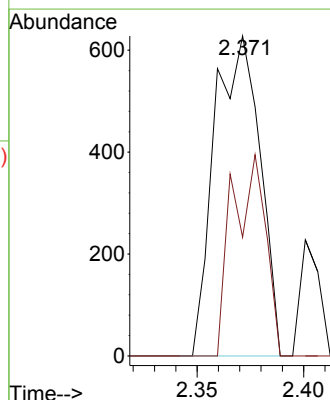
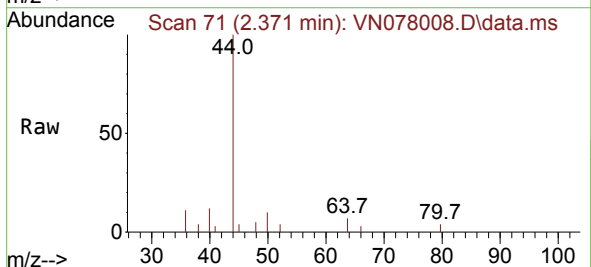
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

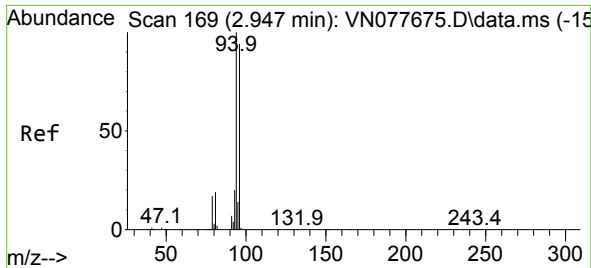
Tgt Ion:168 Resp: 378547  
Ion Ratio Lower Upper  
168 100  
99 61.3 53.0 79.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.371 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 50 Resp: 933  
Ion Ratio Lower Upper  
50 100  
52 37.1 26.5 39.7

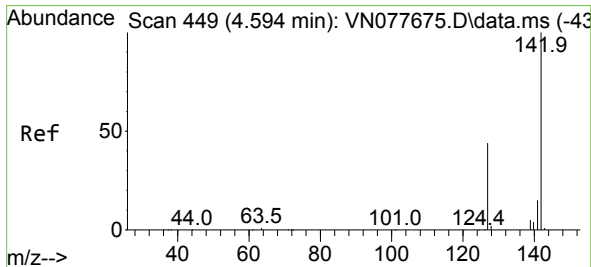
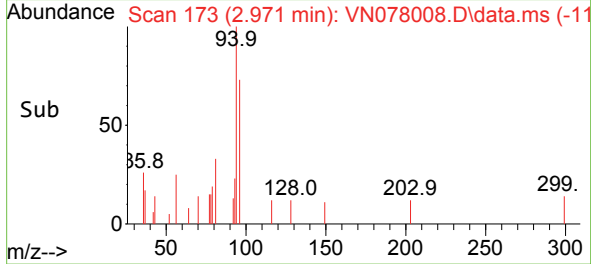
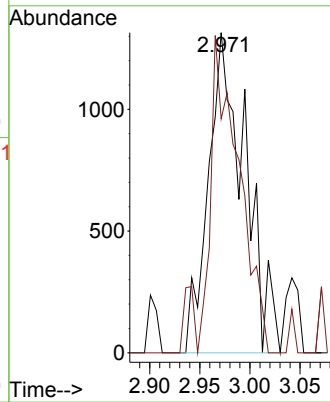
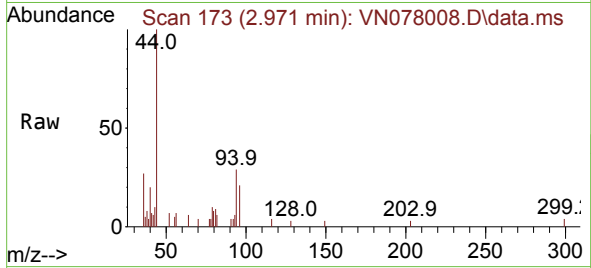




#5  
Bromomethane  
Concen: 0.834 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

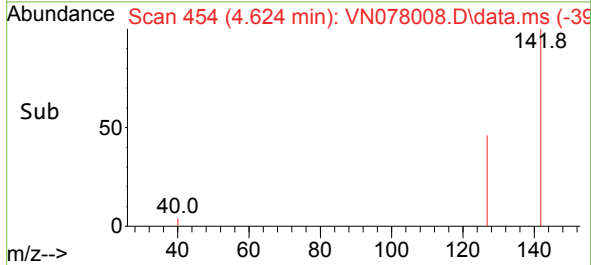
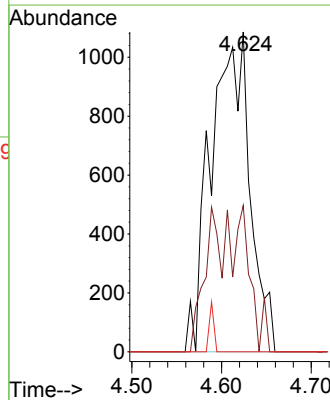
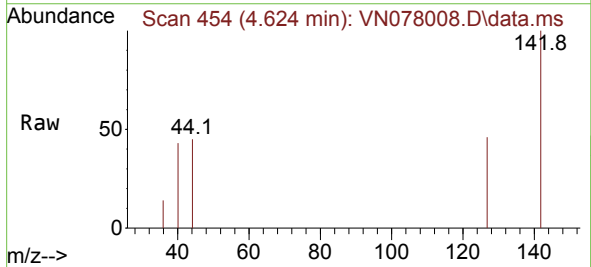
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

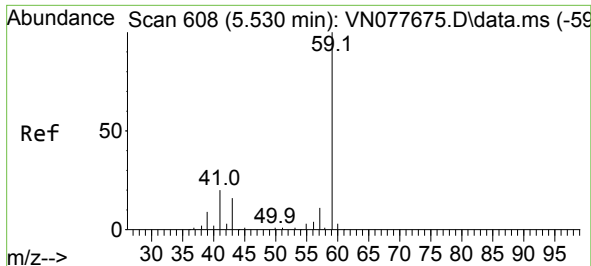
Tgt Ion: 94 Resp: 3352  
Ion Ratio Lower Upper  
94 100  
96 73.1 73.1 109.7#



#10  
Methyl Iodide  
Concen: 0.657 ug/l  
RT: 4.624 min Scan# 454  
Delta R.T. 0.030 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion:142 Resp: 3280  
Ion Ratio Lower Upper  
142 100  
127 45.8 37.6 56.4  
141 0.0 11.4 17.0#

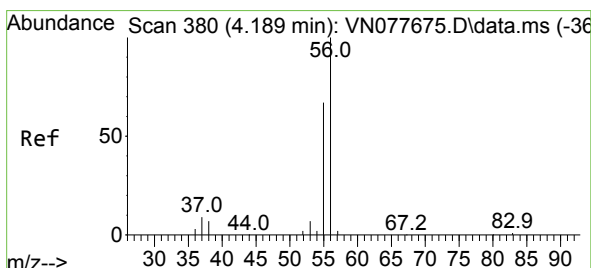
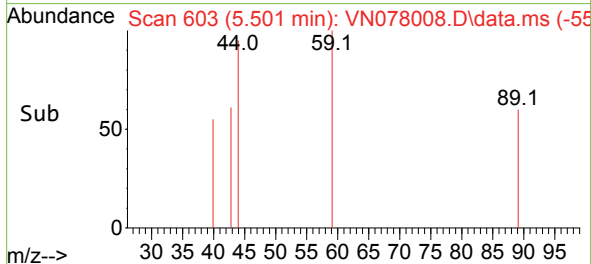
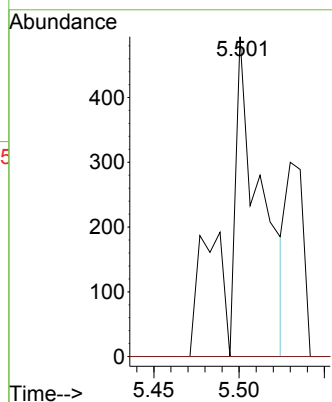
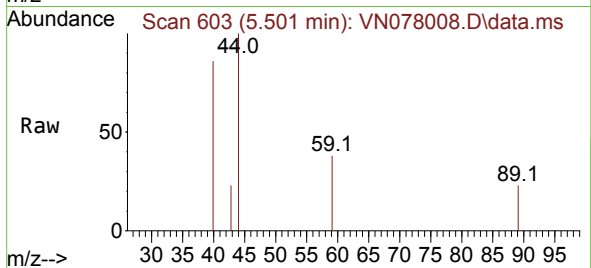




#11  
Tert butyl alcohol  
Concen: 0.876 ug/l  
RT: 5.501 min Scan# 608  
Delta R.T. -0.029 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

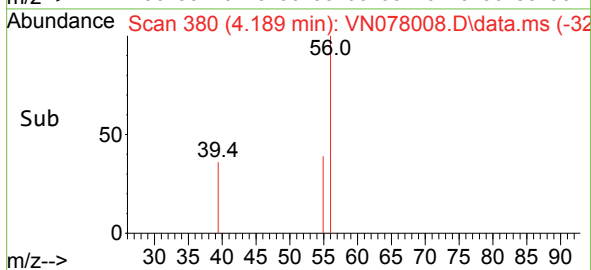
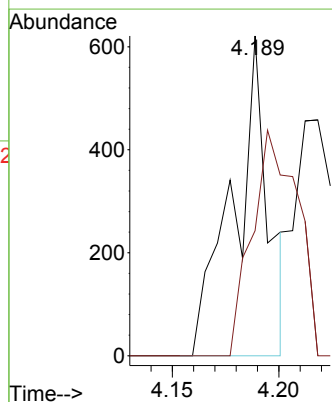
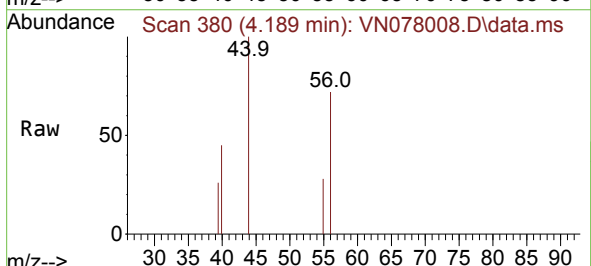
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

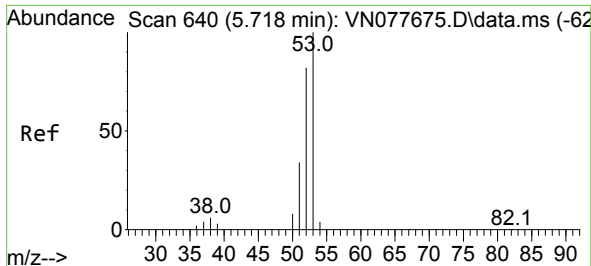
Tgt Ion: 59 Resp: 685  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



#13  
Acrolein  
Concen: Below Cal  
RT: 4.189 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 56 Resp: 703  
Ion Ratio Lower Upper  
56 100  
55 91.9 54.5 81.7#

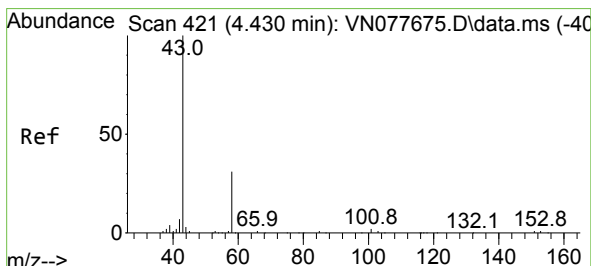
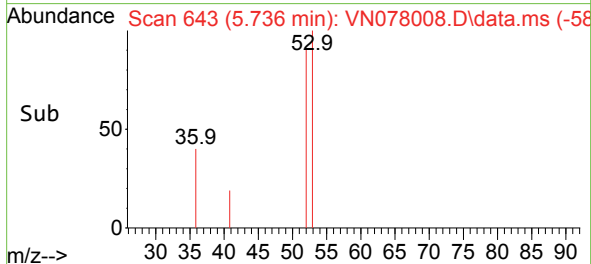
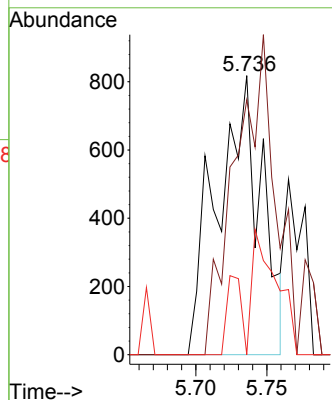
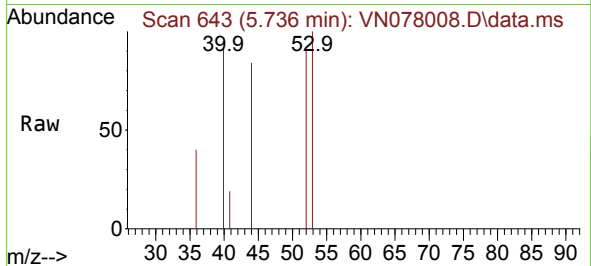




#15  
Acrylonitrile  
Concen: 0.851 ug/l  
RT: 5.736 min Scan# 64  
Delta R.T. 0.018 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

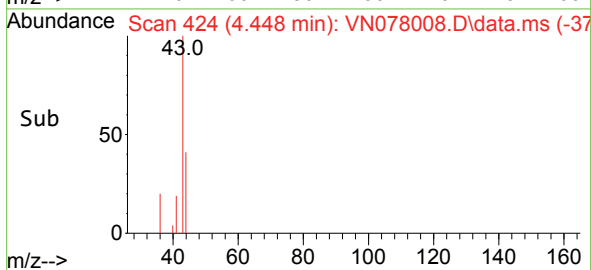
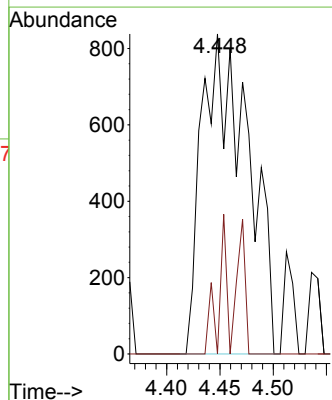
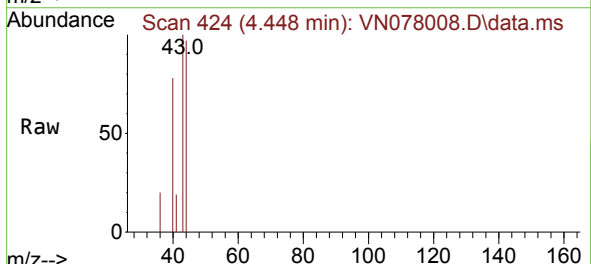
Instrument :  
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ClientSampleId :  
VN0601MBL01

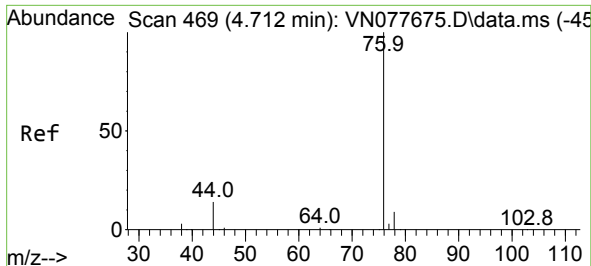
Tgt Ion: 53 Resp: 1778  
Ion Ratio Lower Upper  
53 100  
52 102.7 65.3 97.9#  
51 25.1 28.9 43.3#



#16  
Acetone  
Concen: 1.420 ug/l  
RT: 4.448 min Scan# 424  
Delta R.T. 0.018 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 43 Resp: 2531  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.0 42.0#

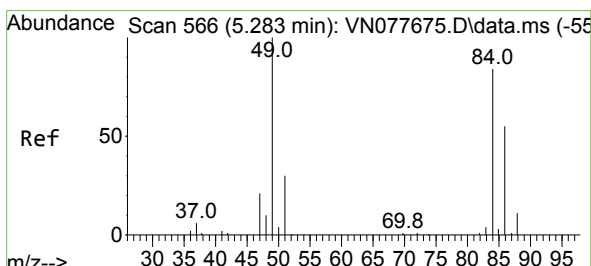
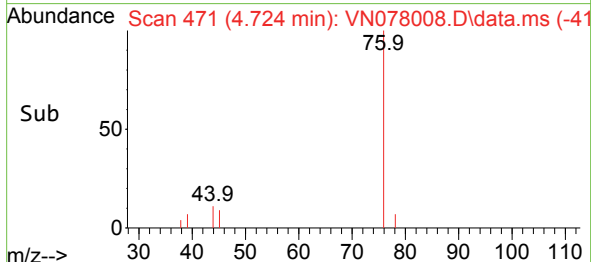
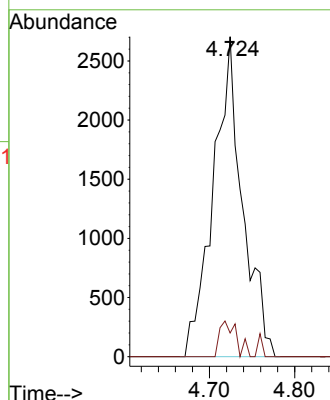
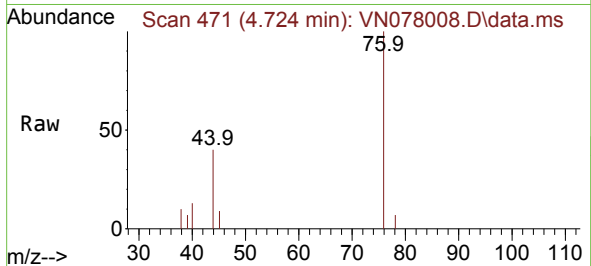




#17  
Carbon Disulfide  
Concen: 0.601 ug/l  
RT: 4.724 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

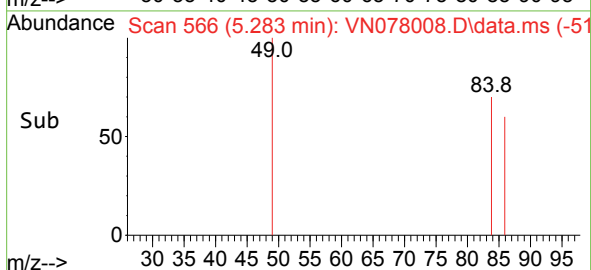
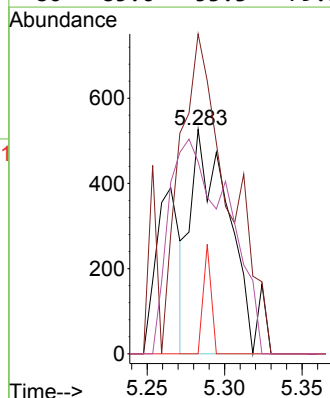
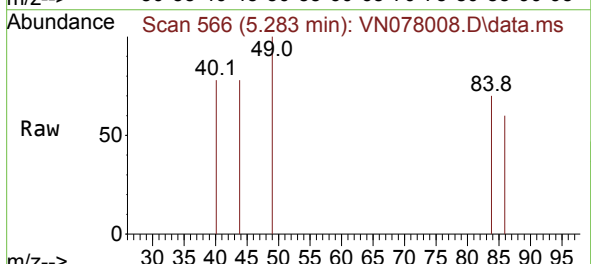
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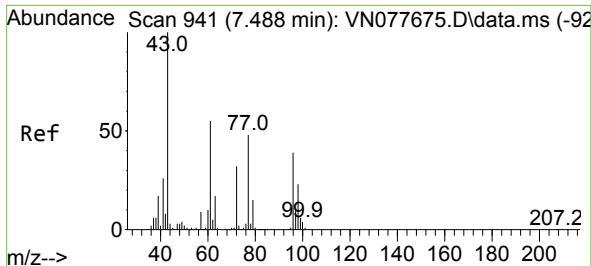
Tgt Ion: 76 Resp: 6448  
Ion Ratio Lower Upper  
76 100  
78 7.4 7.4 11.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.283 min Scan# 566  
Delta R.T. -0.000 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 84 Resp: 929  
Ion Ratio Lower Upper  
84 100  
49 142.5 79.7 119.5#  
51 0.0 25.2 37.8#  
86 85.6 53.3 79.9#

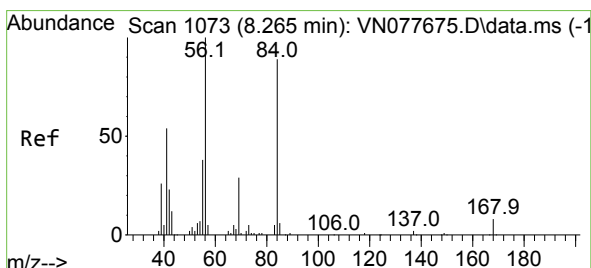
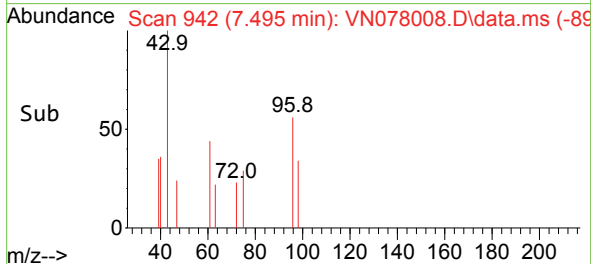
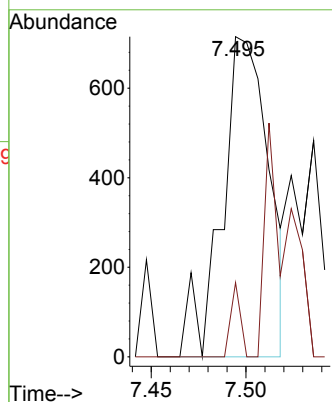
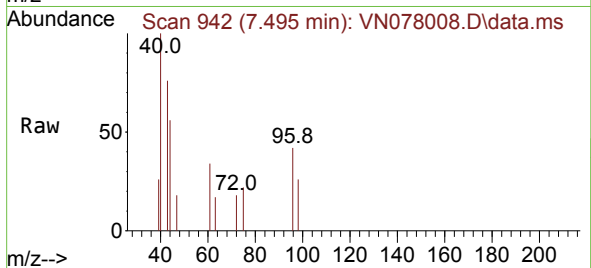




#25  
2-Butanone  
Concen: 0.443 ug/l  
RT: 7.495 min Scan# 941  
Delta R.T. 0.007 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

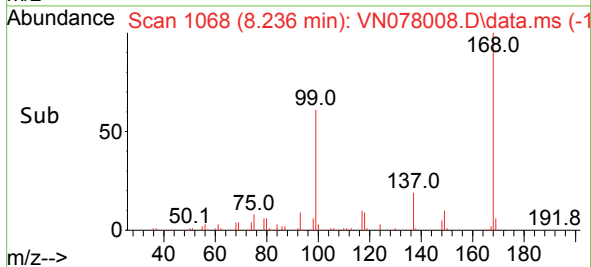
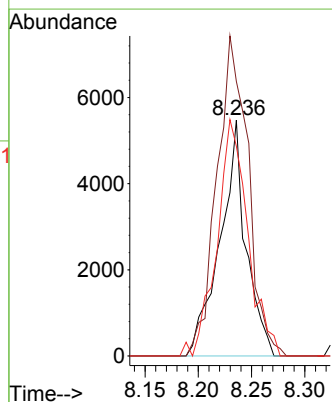
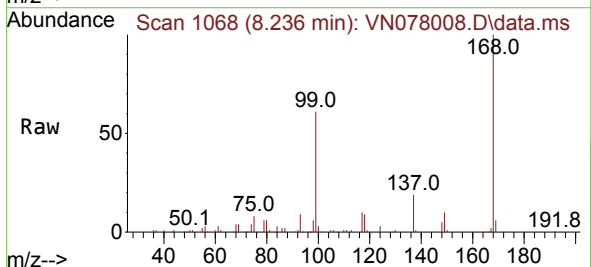
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

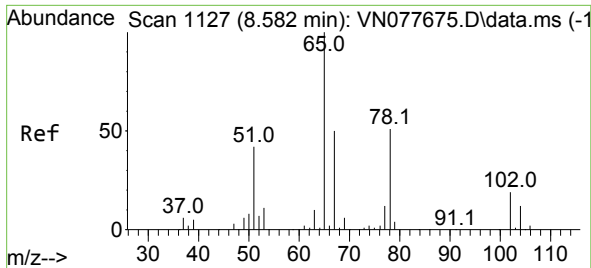
Tgt Ion: 43 Resp: 1234  
Ion Ratio Lower Upper  
43 100  
72 23.2 30.2 45.2#



#31  
Cyclohexane  
Concen: 1.203 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. -0.029 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 56 Resp: 9258  
Ion Ratio Lower Upper  
56 100  
69 116.4 26.8 40.2#  
84 88.9 81.8 122.6

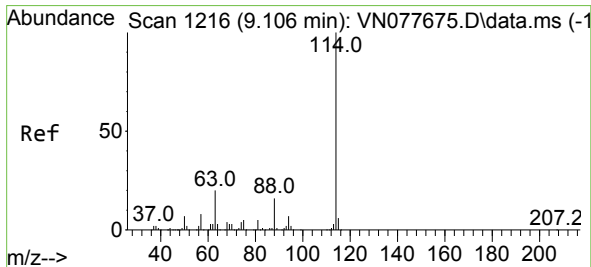
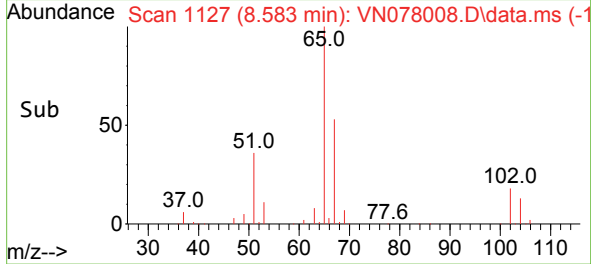
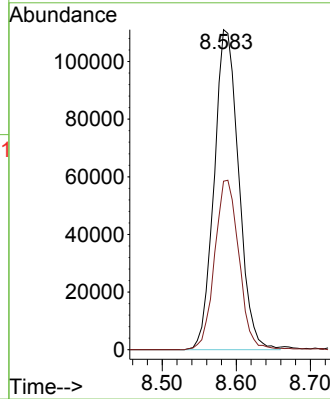
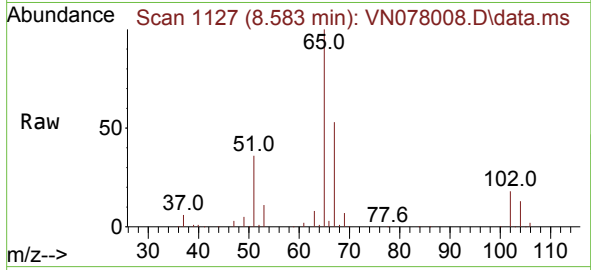




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.162 ug/l  
 RT: 8.583 min Scan# 1127  
 Delta R.T. 0.001 min  
 Lab File: VN078008.D  
 Acq: 01 Jun 2023 12:52

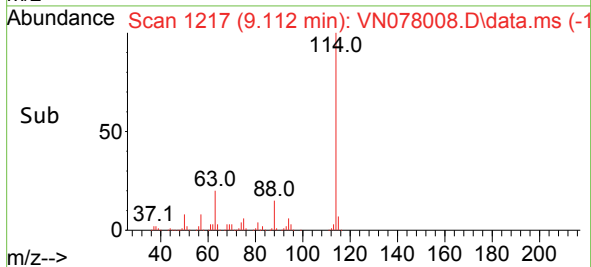
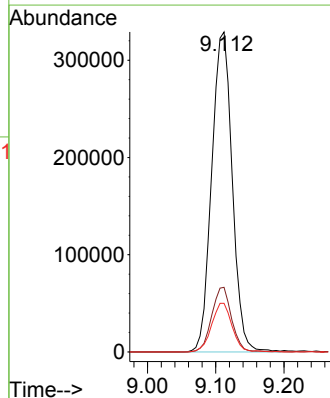
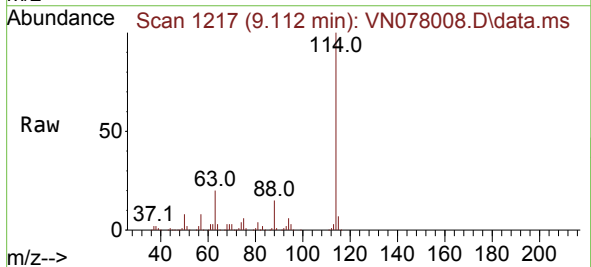
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0601MBL01

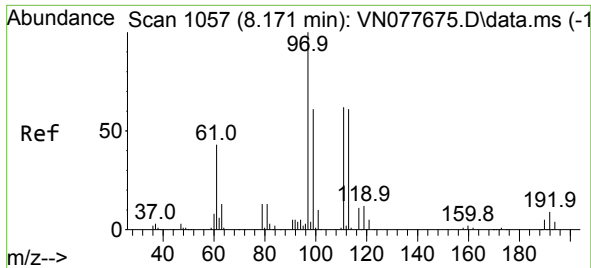
Tgt Ion: 65 Resp: 255799  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.112 min Scan# 1217  
 Delta R.T. 0.006 min  
 Lab File: VN078008.D  
 Acq: 01 Jun 2023 12:52

Tgt Ion: 114 Resp: 690585  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 36.4  
 88 15.2 0.0 30.6

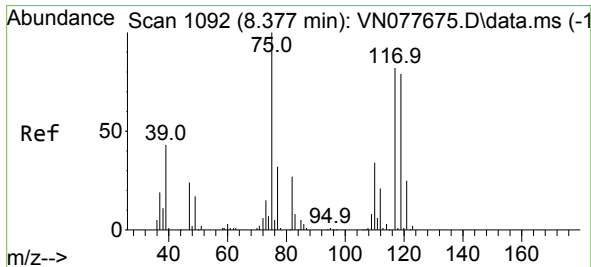
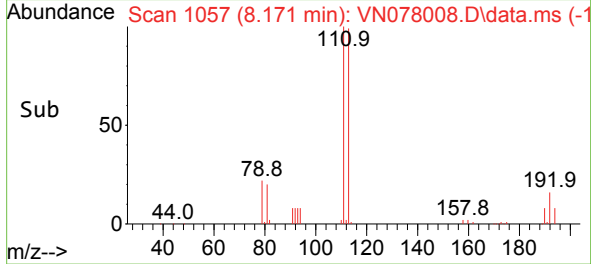
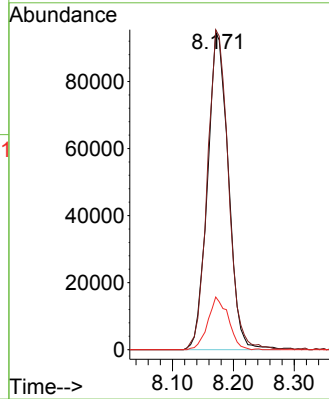
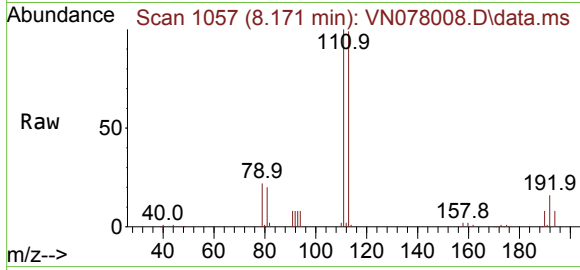




#35  
Dibromofluoromethane  
Concen: 50.037 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

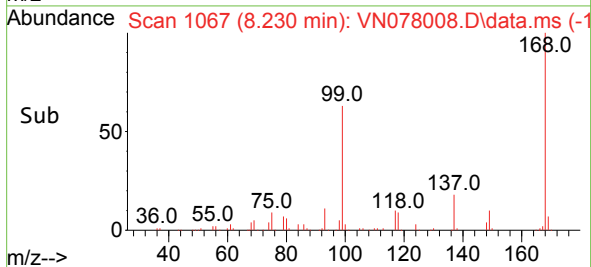
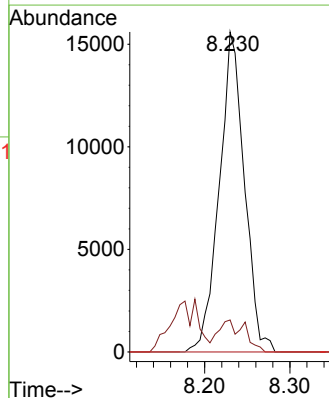
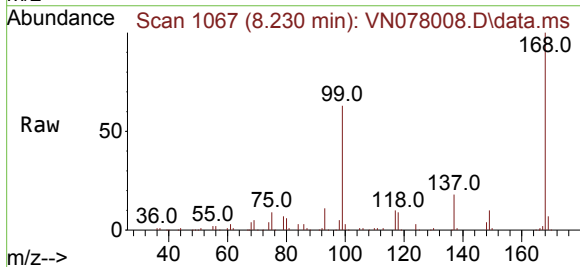
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

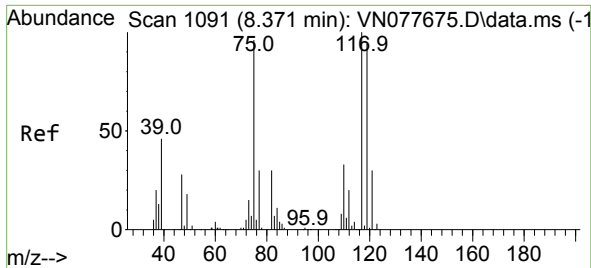
Tgt Ion:113 Resp: 225328  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.6 123.8  
192 16.3 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 4.844 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.147 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 75 Resp: 31903  
Ion Ratio Lower Upper  
75 100  
110 10.4 19.1 57.3#  
77 0.0 25.0 37.4#

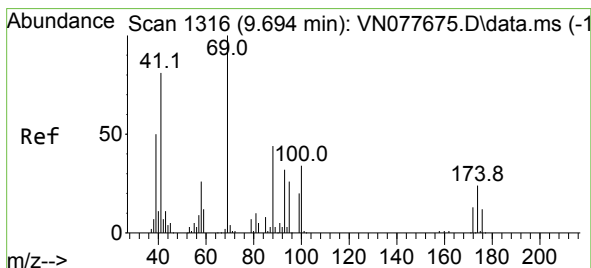
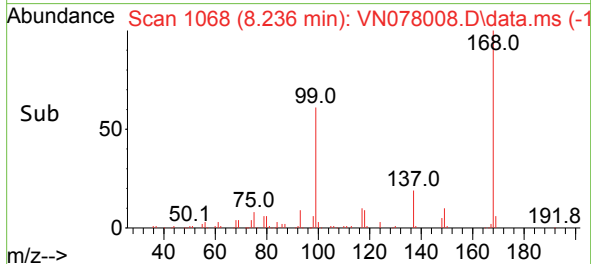
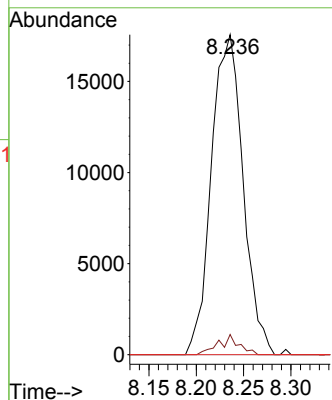
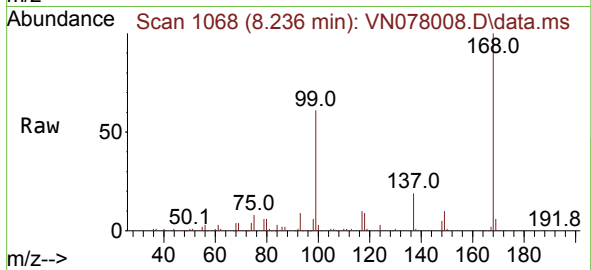




#38  
Carbon Tetrachloride  
Concen: 6.146 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. -0.135 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

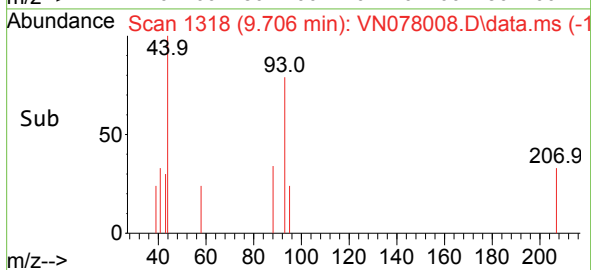
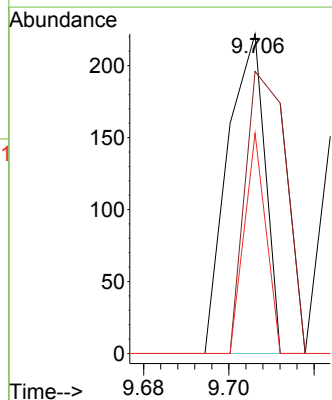
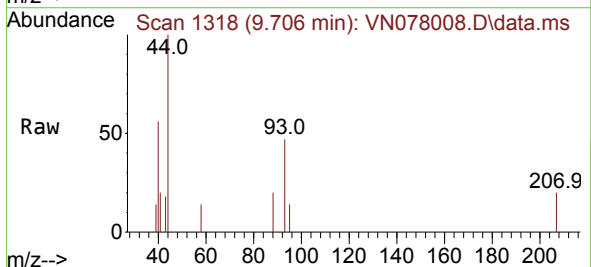
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

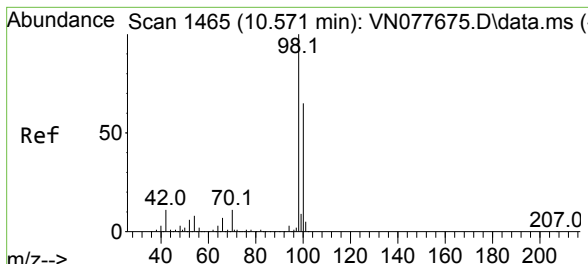
Tgt Ion:117 Resp: 40877  
Ion Ratio Lower Upper  
117 100  
119 6.3 77.3 115.9#  
121 0.0 23.3 34.9#



#49  
1,4-Dioxane  
Concen: 1.572 ug/l  
RT: 9.706 min Scan# 1318  
Delta R.T. 0.012 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 88 Resp: 135  
Ion Ratio Lower Upper  
88 100  
43 97.0 17.0 25.6#  
58 40.0 47.0 70.4#

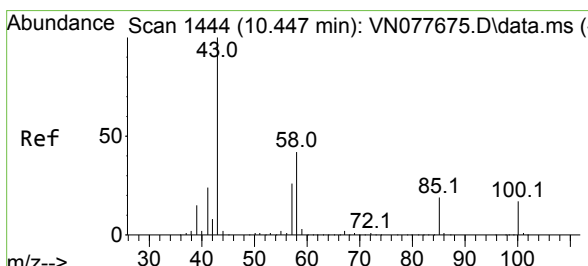
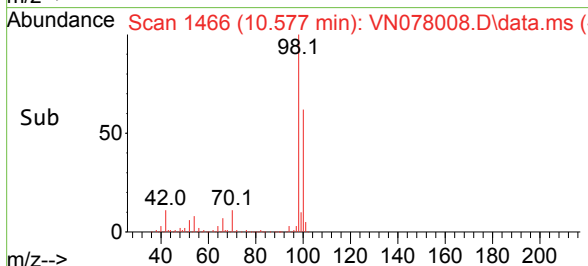
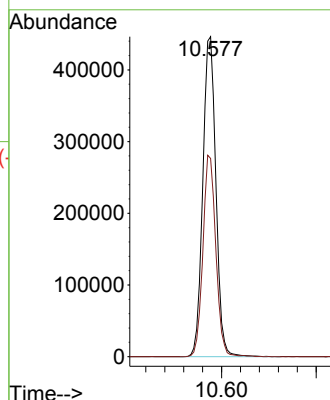
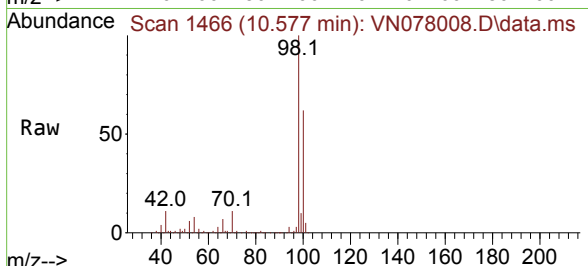




#50  
Toluene-d8  
Concen: 49.341 ug/l  
RT: 10.577 min Scan# 1466  
Delta R.T. 0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

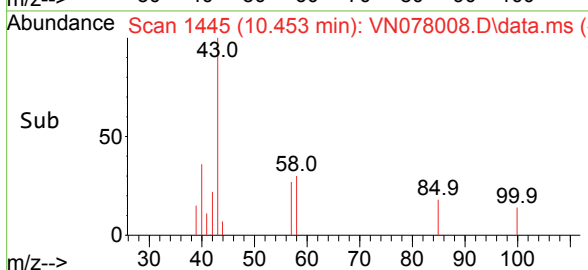
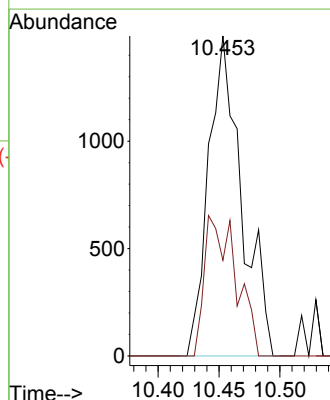
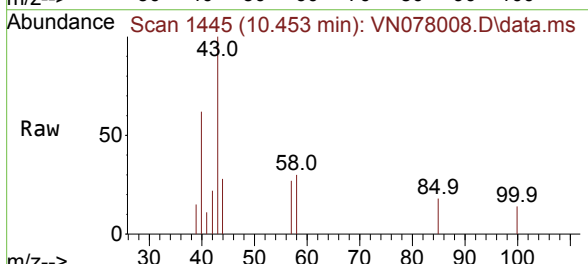
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

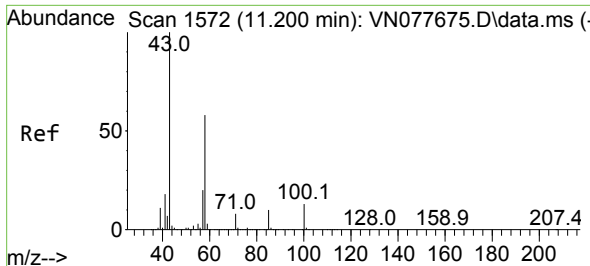
Tgt Ion: 98 Resp: 855238  
Ion Ratio Lower Upper  
98 100  
100 62.3 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.494 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 43 Resp: 2815  
Ion Ratio Lower Upper  
43 100  
58 41.8 36.6 54.8

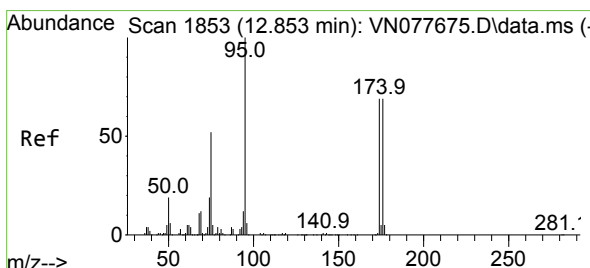
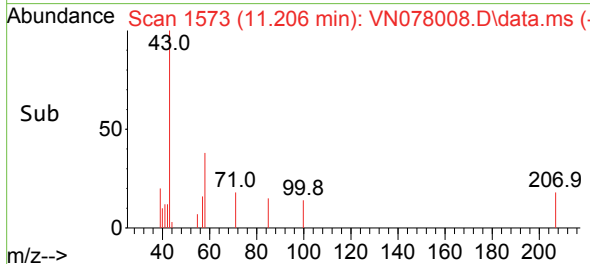
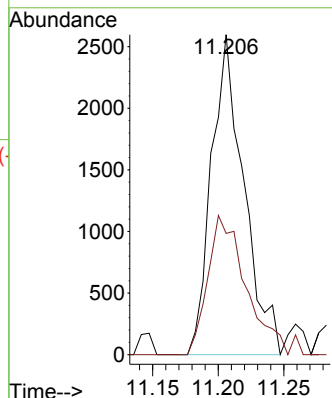
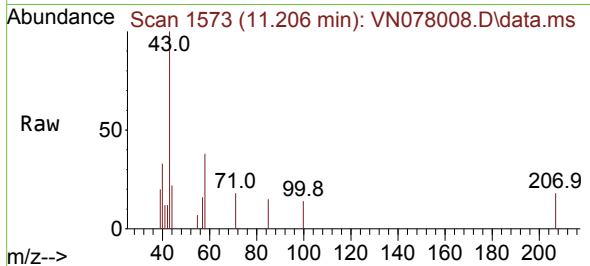




#59  
2-Hexanone  
Concen: 1.058 ug/l  
RT: 11.206 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

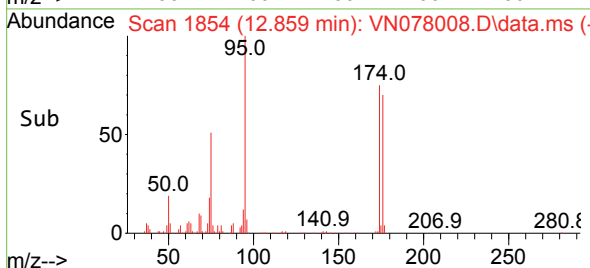
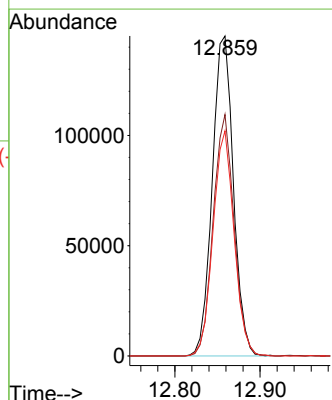
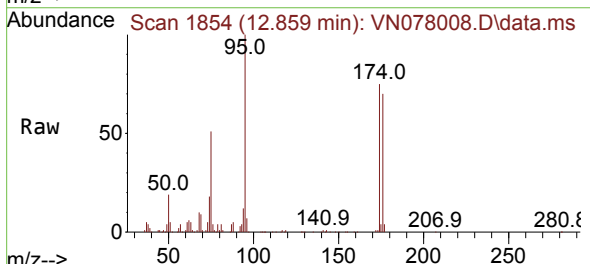
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

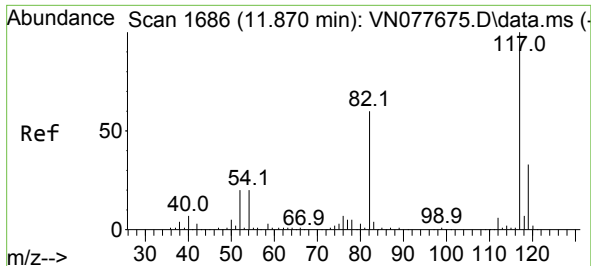
Tgt Ion: 43 Resp: 4459  
Ion Ratio Lower Upper  
43 100  
58 52.5 31.7 95.1



#62  
4-Bromofluorobenzene  
Concen: 40.771 ug/l  
RT: 12.859 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 95 Resp: 249592  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 143.8  
176 70.2 0.0 135.8

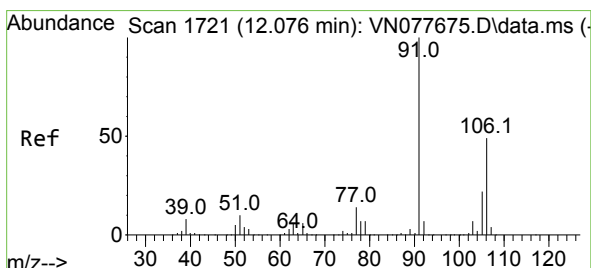
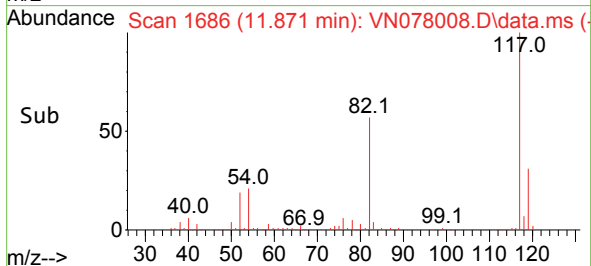
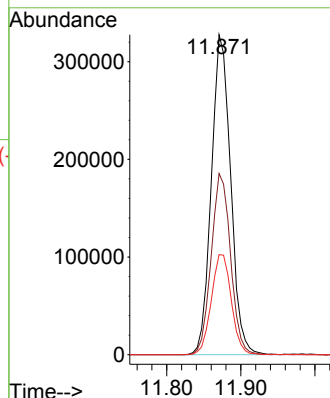
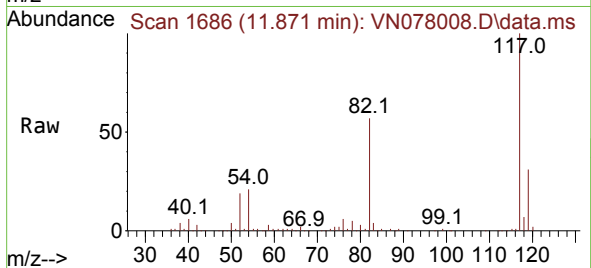




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1177  
Delta R.T. 0.001 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

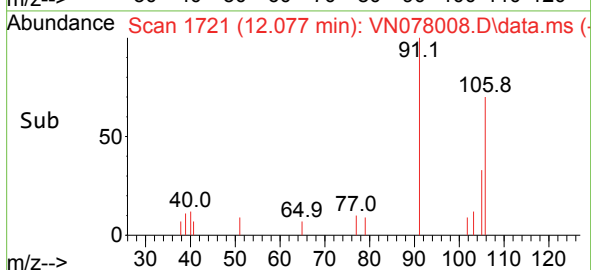
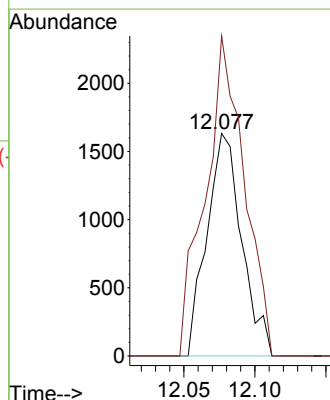
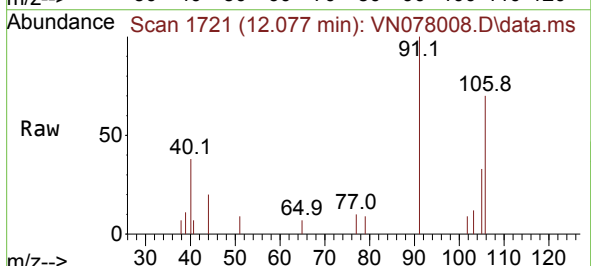
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

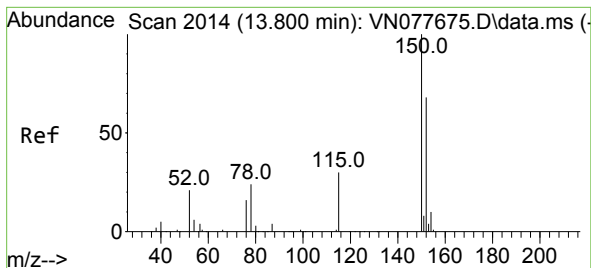
Tgt Ion:117 Resp: 592177  
Ion Ratio Lower Upper  
117 100  
82 56.6 44.0 66.0  
119 31.3 25.6 38.4



#68  
m/p-Xylenes  
Concen: 0.319 ug/l  
RT: 12.077 min Scan# 1721  
Delta R.T. 0.001 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion:106 Resp: 2782  
Ion Ratio Lower Upper  
106 100  
91 161.1 159.6 239.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0601MBL01

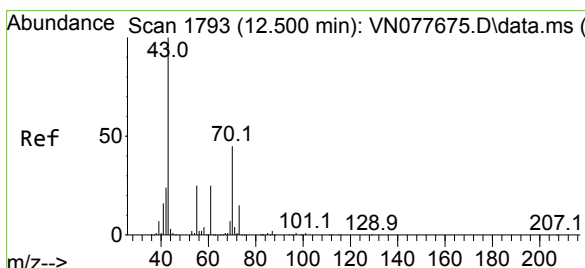
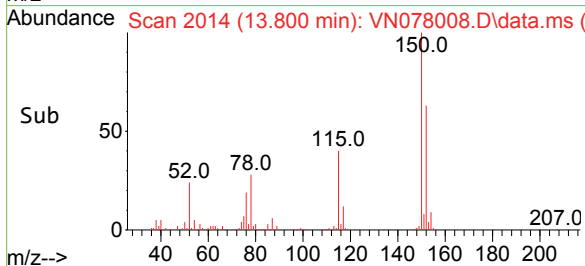
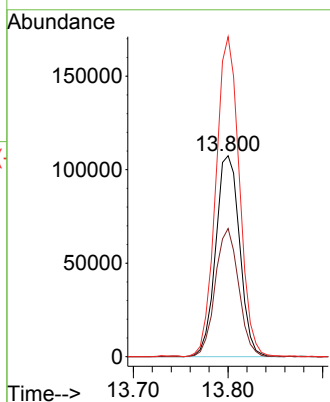
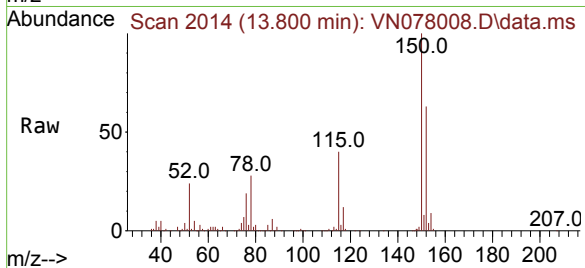
Tgt Ion:152 Resp: 188458

Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 156.8 0.0 355.8



#74

N-ethyl acetate

Concen: 0.321 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

Tgt Ion: 43 Resp: 1929

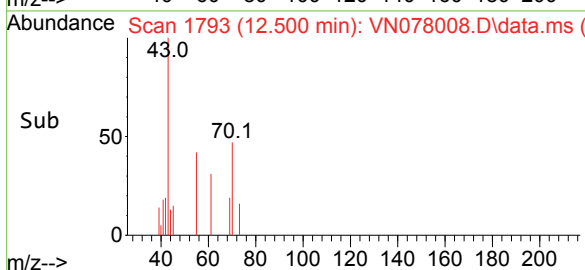
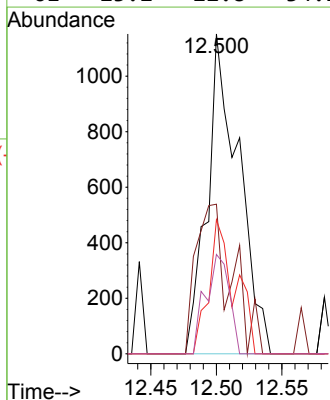
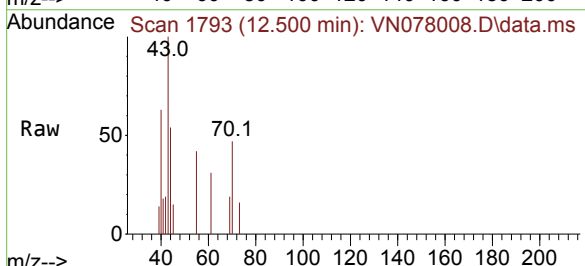
Ion Ratio Lower Upper

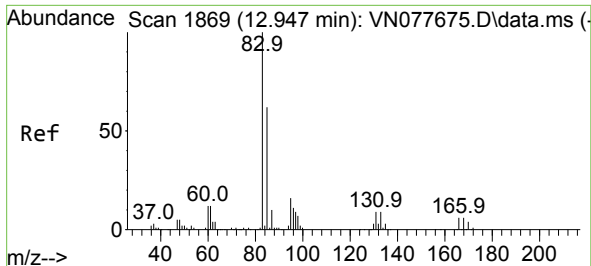
43 100

70 52.6 43.4 65.2

55 34.7 21.4 32.0#

61 23.2 22.8 34.2

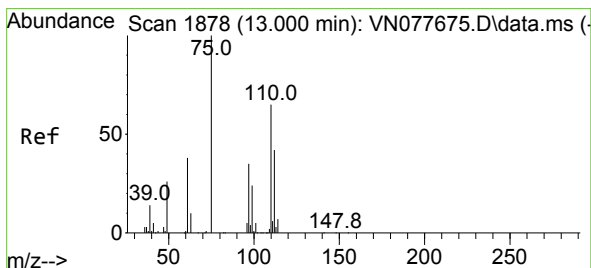
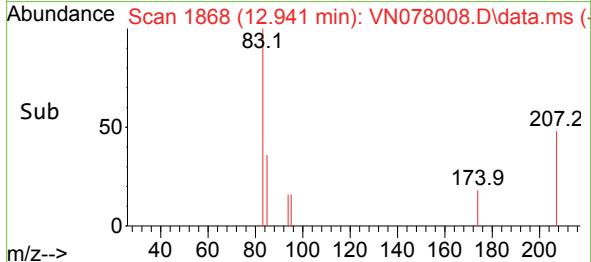
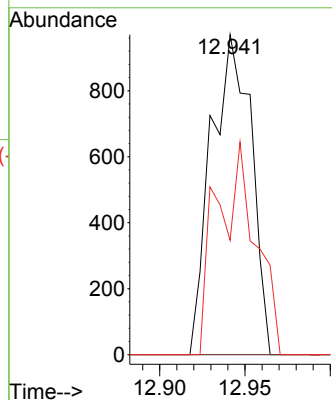
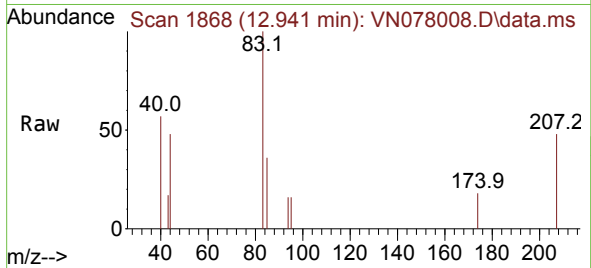




#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.317 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

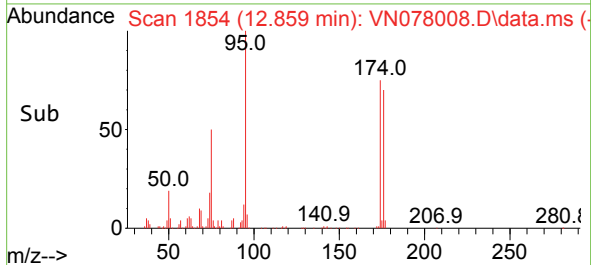
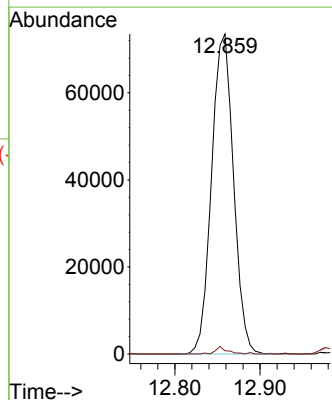
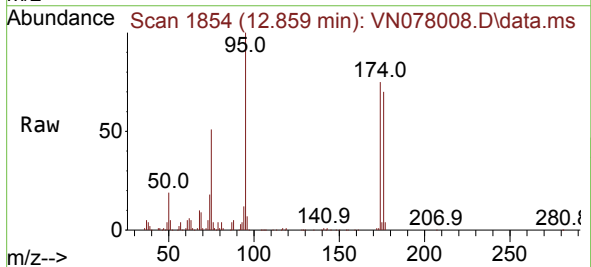
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

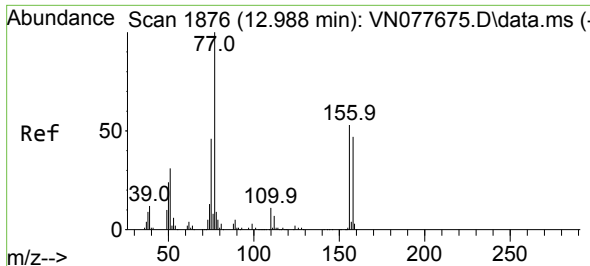
Tgt Ion: 83 Resp: 1584  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.0 15.0#  
85 29.2 31.9 95.7#



#76  
1,2,3-Trichloropropane  
Concen: 27.824 ug/l  
RT: 12.859 min Scan# 1854  
Delta R.T. -0.141 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 75 Resp: 131322  
Ion Ratio Lower Upper  
75 100  
77 1.2 84.5 253.5#

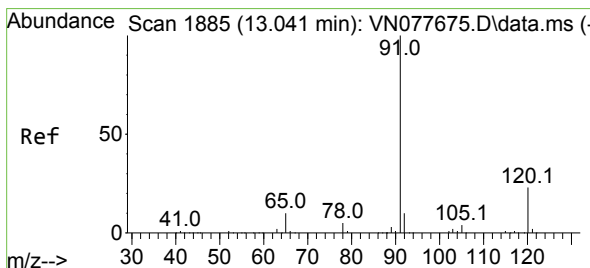
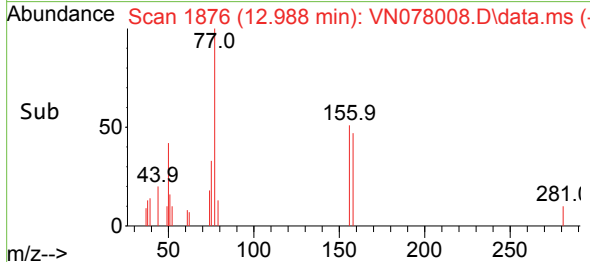
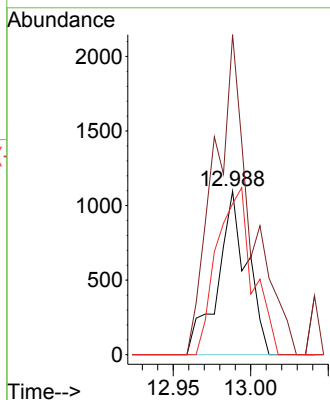
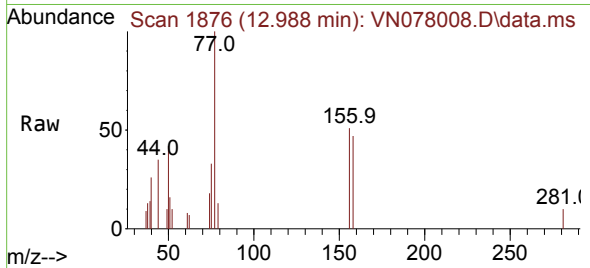




#77  
Bromobenzene  
Concen: 0.387 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

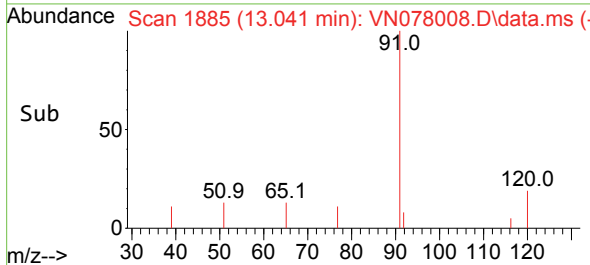
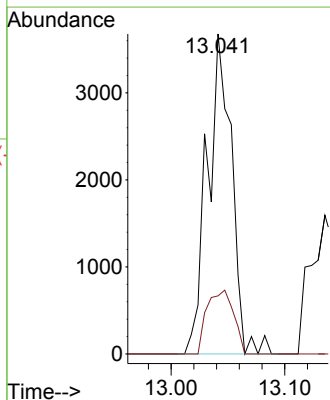
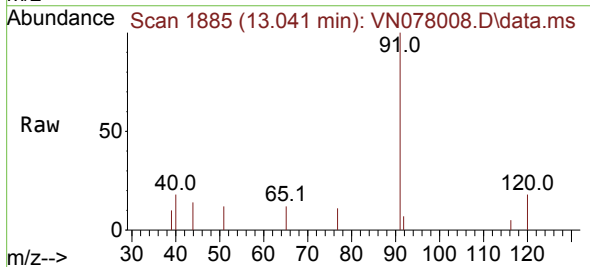
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

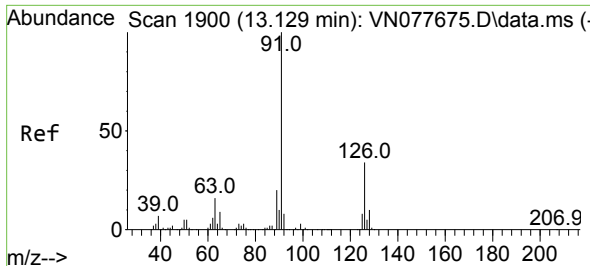
Tgt Ion:156 Resp: 1436  
Ion Ratio Lower Upper  
156 100  
77 248.2 107.7 323.3  
158 125.6 48.4 145.3



#78  
n-propylbenzene  
Concen: 0.286 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 91 Resp: 5478  
Ion Ratio Lower Upper  
91 100  
120 21.8 11.5 34.4

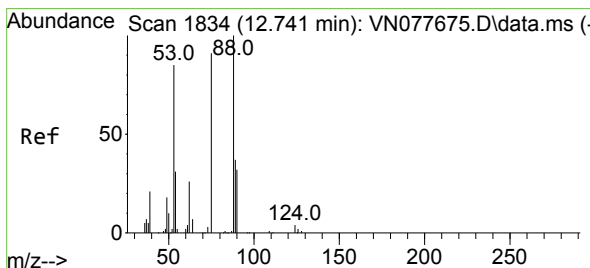
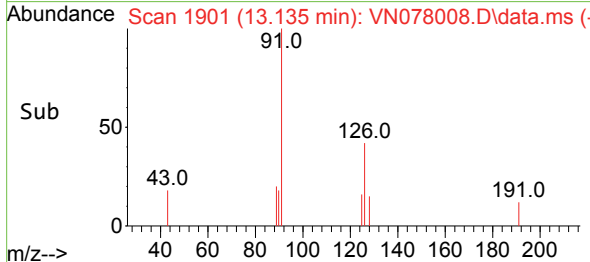
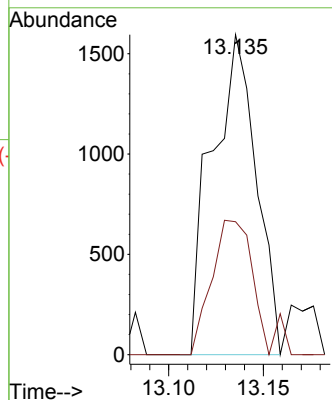
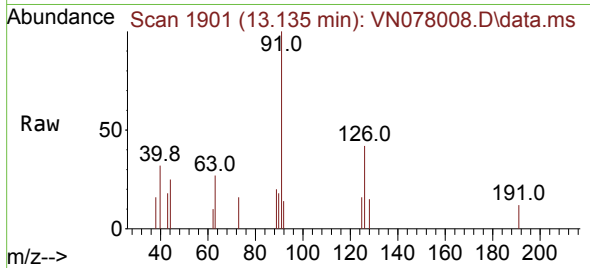




#79  
2-Chlorotoluene  
Concen: 0.227 ug/l  
RT: 13.135 min Scan# 1900  
Delta R.T. 0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

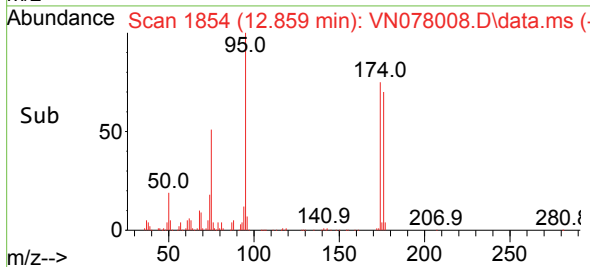
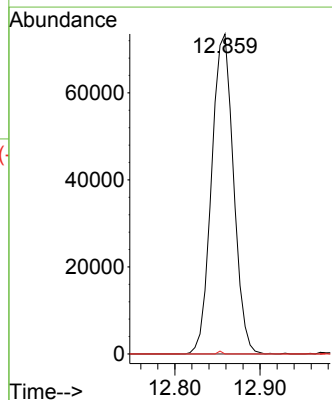
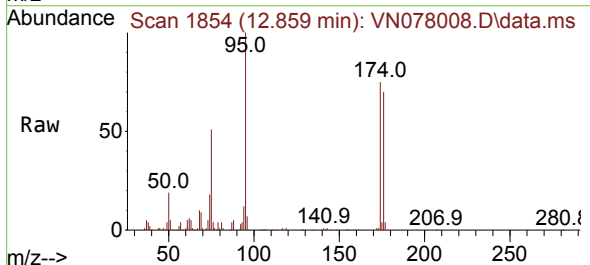
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

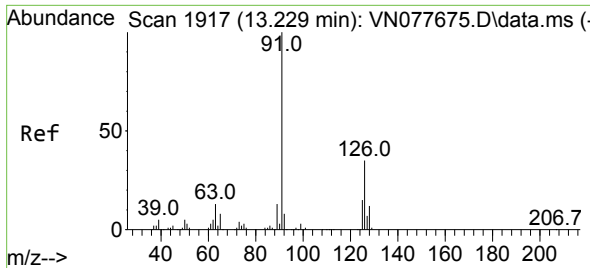
Tgt Ion: 91 Resp: 2596  
Ion Ratio Lower Upper  
91 100  
126 40.8 16.3 48.8



#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.941 ug/l  
RT: 12.859 min Scan# 1854  
Delta R.T. 0.118 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 75 Resp: 131322  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.4 101.2#  
89 0.2 38.8 58.2#

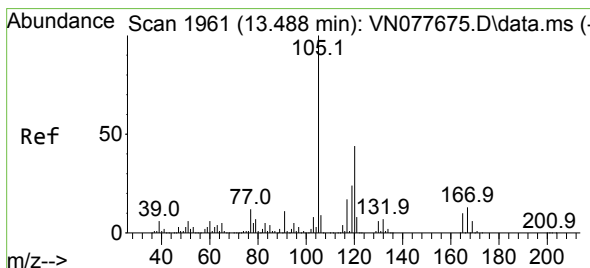
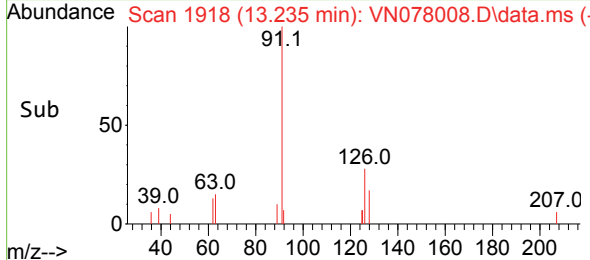
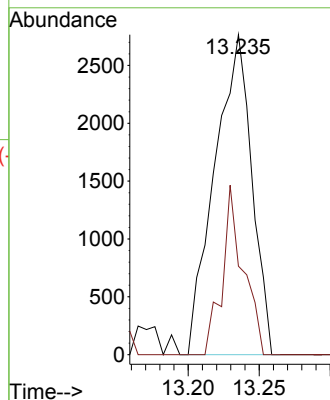
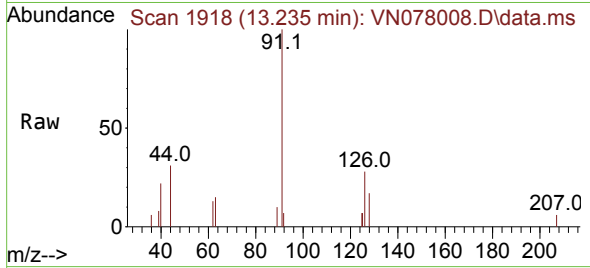




#82  
4-Chlorotoluene  
Concen: 0.443 ug/l  
RT: 13.235 min Scan# 1917  
Delta R.T. 0.006 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

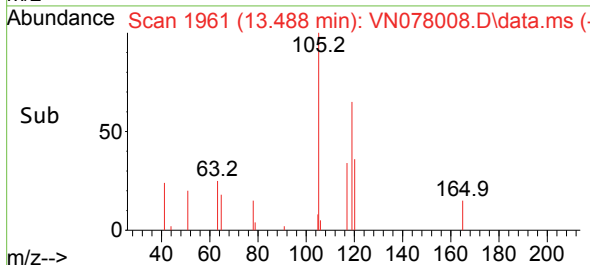
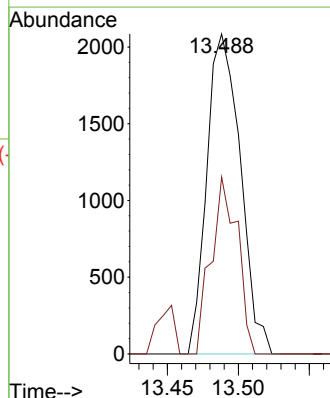
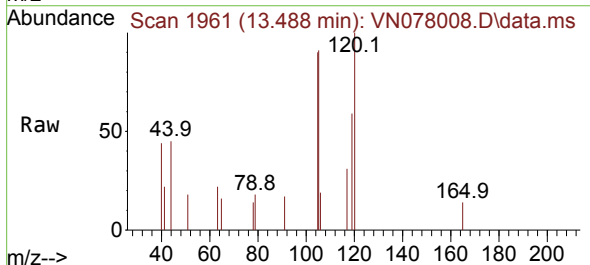
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

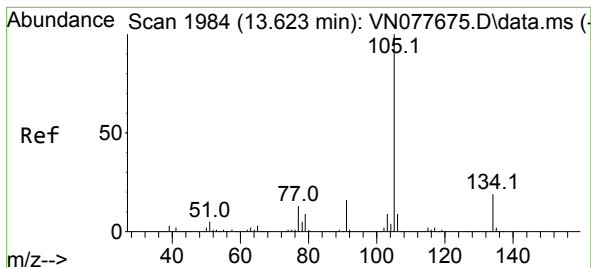
Tgt Ion: 91 Resp: 5032  
Ion Ratio Lower Upper  
91 100  
126 29.7 16.7 50.0



#84  
1,2,4-Trimethylbenzene  
Concen: 0.255 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

Tgt Ion: 105 Resp: 3422  
Ion Ratio Lower Upper  
105 100  
120 43.5 22.0 66.0





#85

sec-Butylbenzene

Concen: 0.223 ug/l

RT: 13.624 min Scan# 1984

Delta R.T. 0.001 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

Instrument :

MSVOA\_N

ClientSampleId :

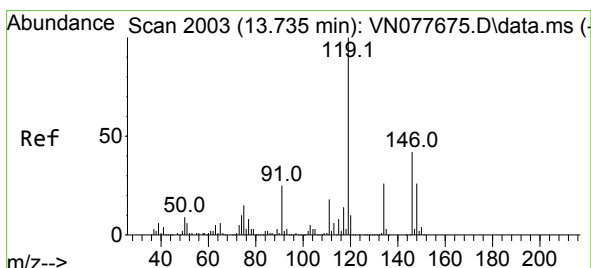
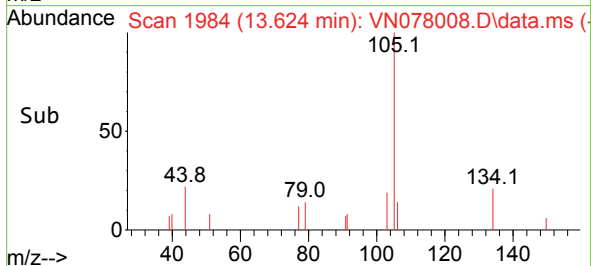
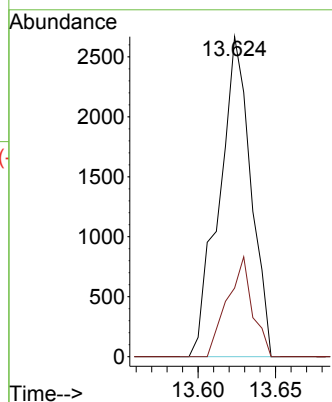
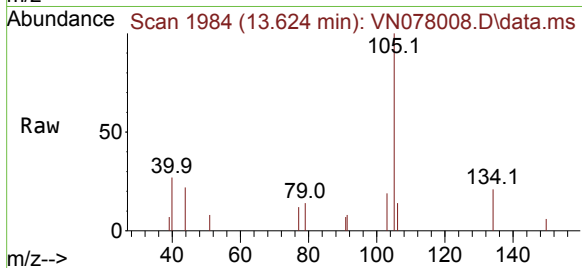
VN0601MBL01

Tgt Ion:105 Resp: 3784

Ion Ratio Lower Upper

105 100

134 24.8 9.8 29.3



#86

p-Isopropyltoluene

Concen: 0.291 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

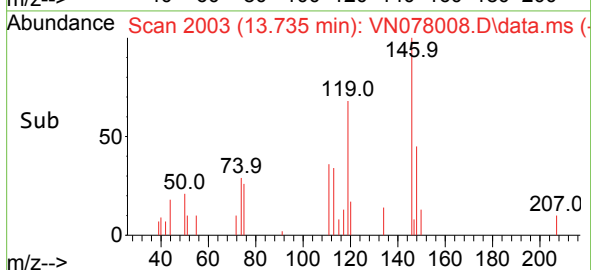
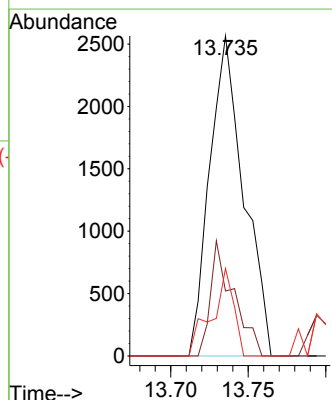
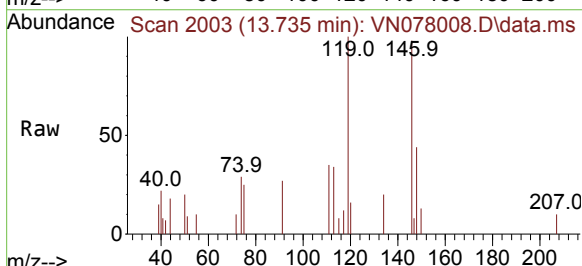
Tgt Ion:119 Resp: 3925

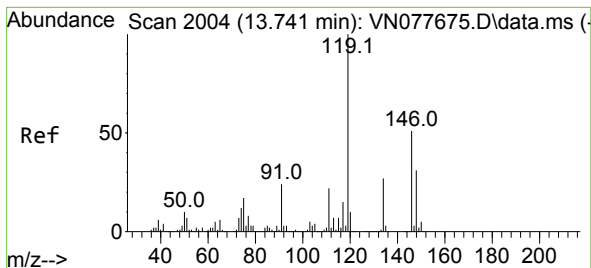
Ion Ratio Lower Upper

119 100

134 24.2 12.6 37.8

91 17.7 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.588 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0601MBL01

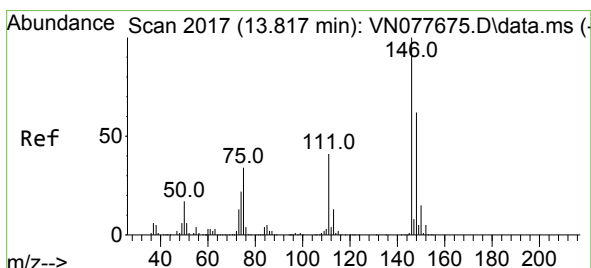
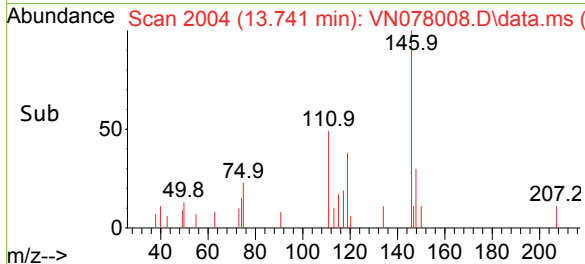
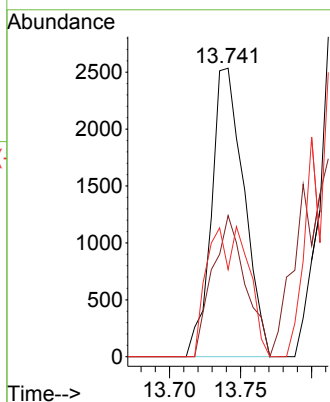
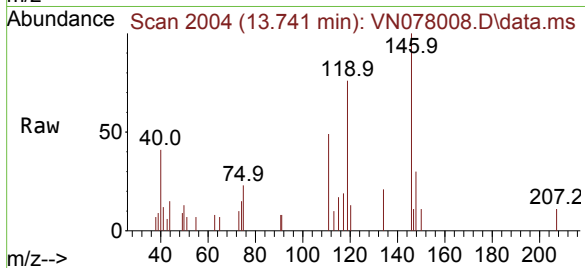
Tgt Ion:146 Resp: 4032

Ion Ratio Lower Upper

146 100

111 50.0 22.1 66.3

148 31.0 32.0 96.0#



#88

1,4-Dichlorobenzene

Concen: 0.707 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.001 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

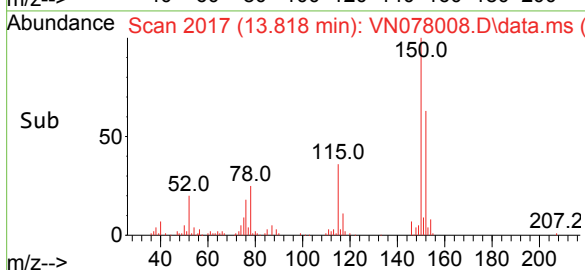
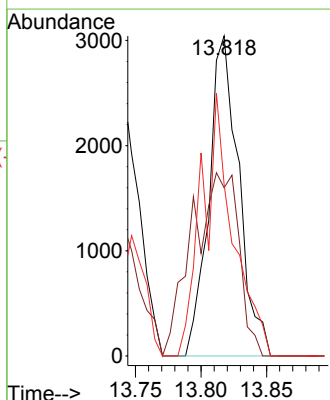
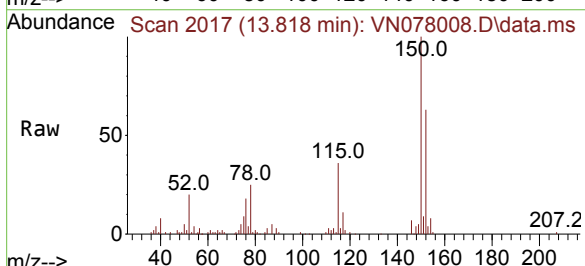
Tgt Ion:146 Resp: 4810

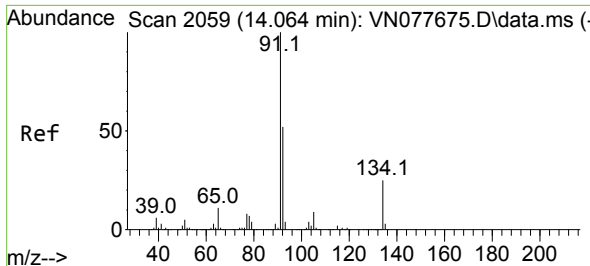
Ion Ratio Lower Upper

146 100

111 89.5 20.6 61.8#

148 85.2 31.6 94.8

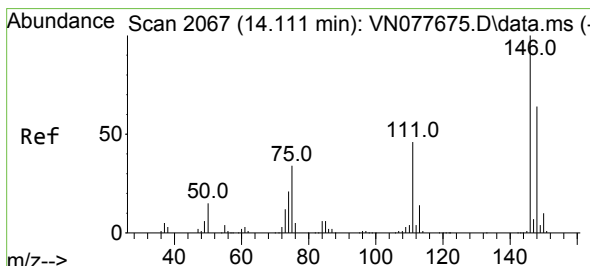
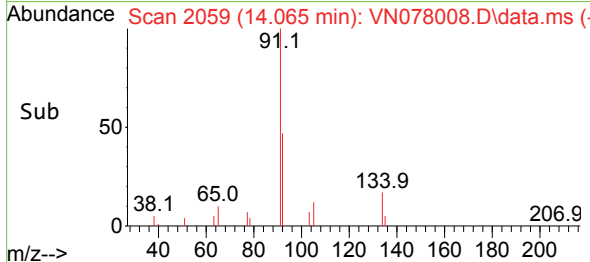
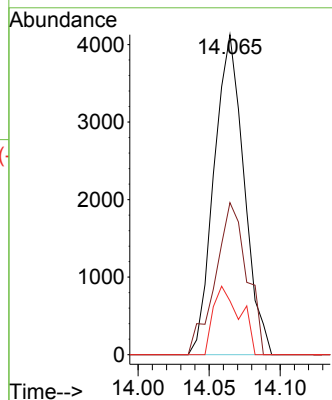
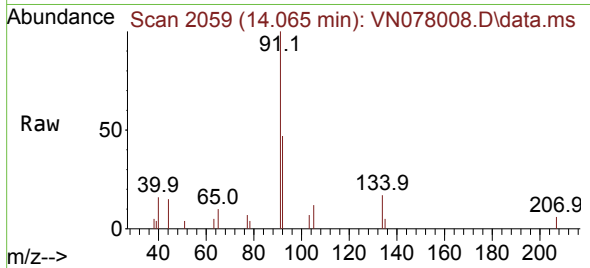




#89  
n-Butylbenzene  
Concen: 0.487 ug/l  
RT: 14.065 min Scan# 2059  
Delta R.T. 0.001 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

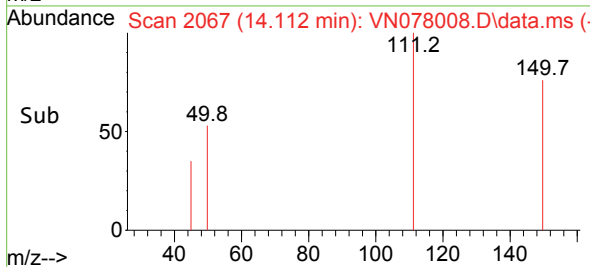
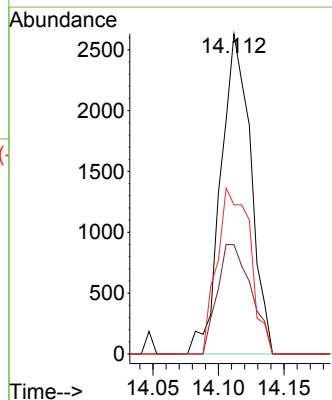
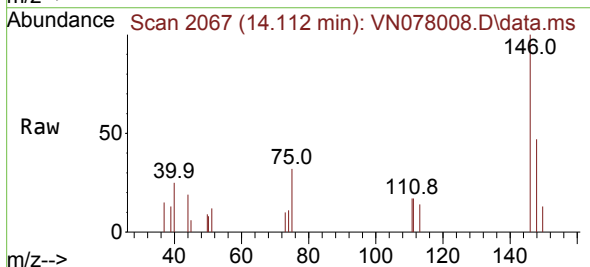
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0601MBL01

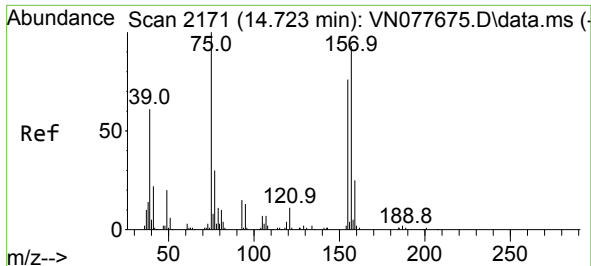
|             |             |
|-------------|-------------|
| Tgt Ion: 91 | Resp: 6043  |
| Ion Ratio   | Lower Upper |
| 91 100      |             |
| 92 50.0     | 26.4 79.0   |
| 134 19.1    | 12.6 37.6   |



#91  
1,2-Dichlorobenzene  
Concen: 0.651 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.001 min  
Lab File: VN078008.D  
Acq: 01 Jun 2023 12:52

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:146 | Resp: | 4172  |       |
| Ion         | Ratio | Lower | Upper |
| 146         | 100   |       |       |
| 111         | 38.7  | 22.0  | 66.0  |
| 148         | 57.4  | 31.8  | 95.3  |





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.875 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0601MBL01

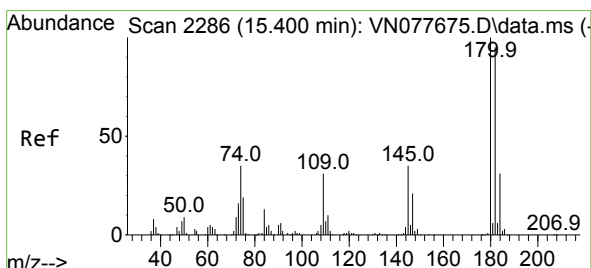
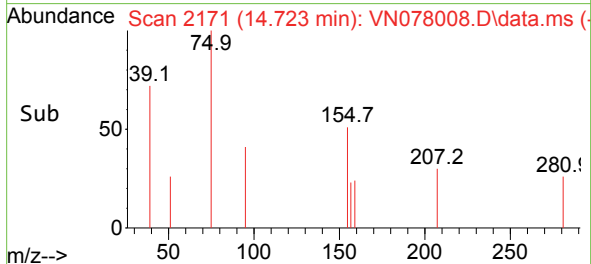
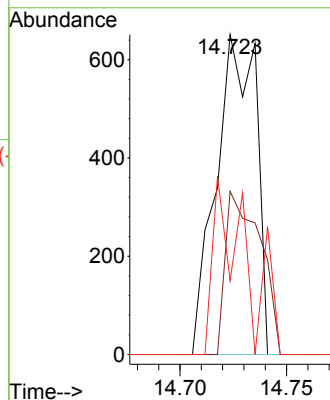
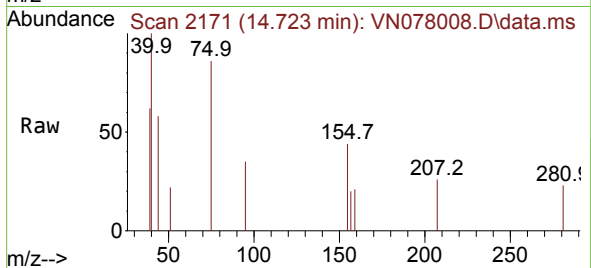
Tgt Ion: 75 Resp: 847

Ion Ratio Lower Upper

75 100

155 44.6 39.1 117.2

157 45.9 50.3 150.9#



#93

1,2,4-Trichlorobenzene

Concen: 0.982 ug/l

RT: 15.406 min Scan# 2287

Delta R.T. 0.006 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

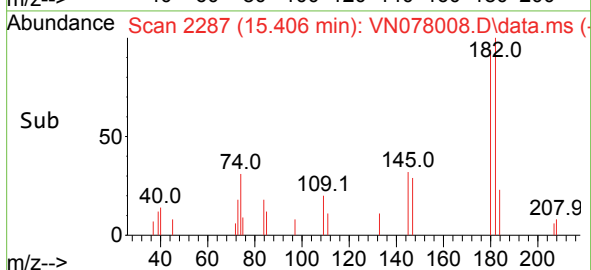
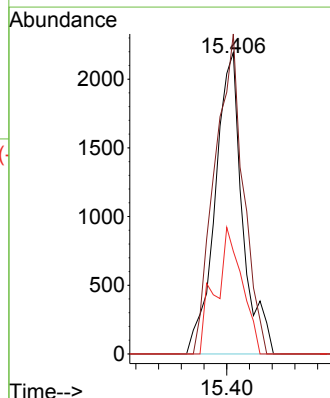
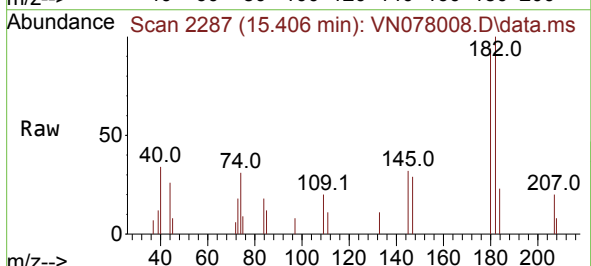
Tgt Ion: 180 Resp: 3675

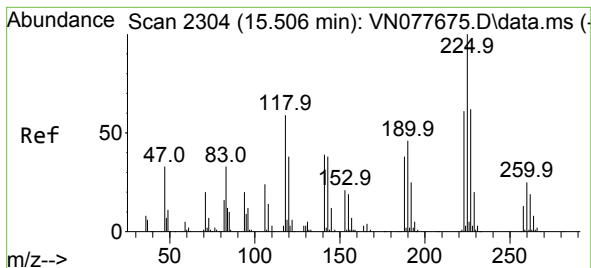
Ion Ratio Lower Upper

180 100

182 110.4 46.1 138.2

145 40.7 16.6 49.8





#94

Hexachlorobutadiene

Concen: 1.453 ug/l

RT: 15.506 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0601MBL01

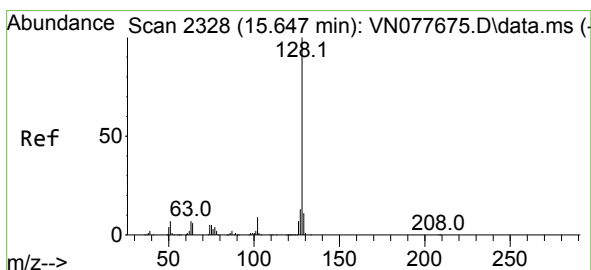
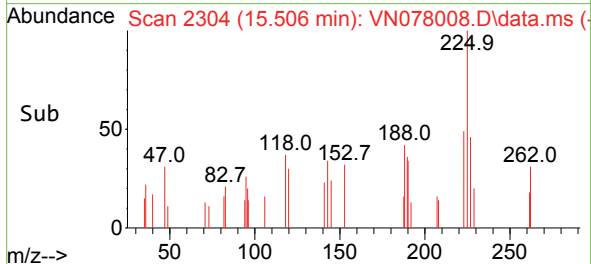
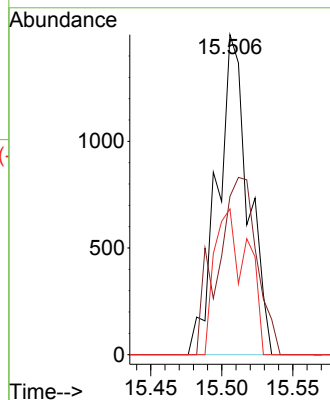
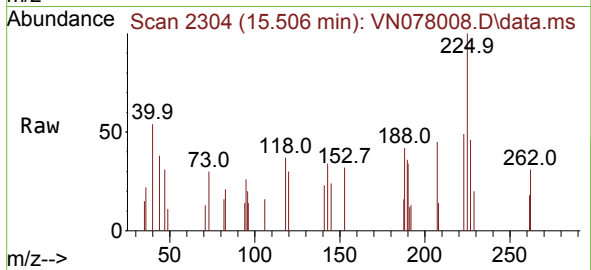
Tgt Ion:225 Resp: 2258

Ion Ratio Lower Upper

225 100

223 71.0 31.3 93.8

227 48.7 31.9 95.9



#95

Naphthalene

Concen: 1.274 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078008.D

Acq: 01 Jun 2023 12:52

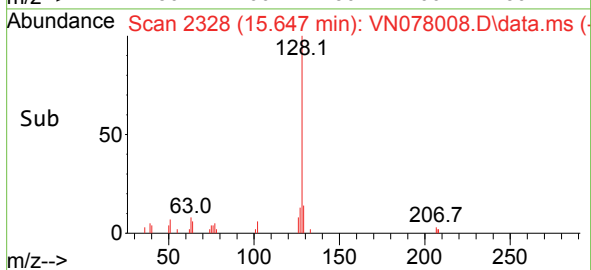
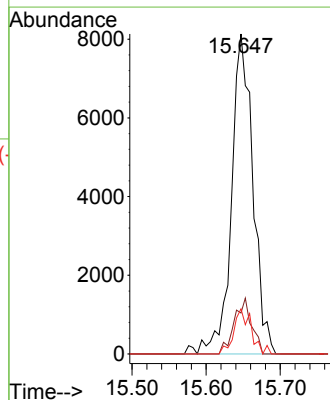
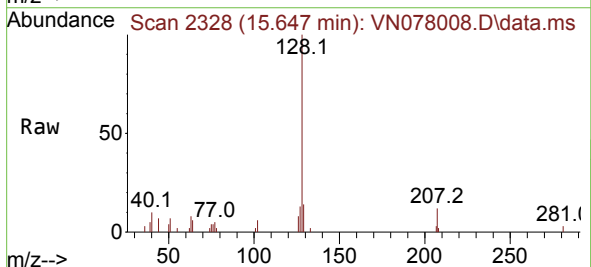
Tgt Ion:128 Resp: 16419

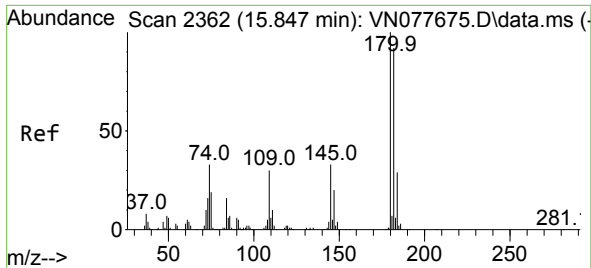
Ion Ratio Lower Upper

128 100

127 14.0 10.0 15.0

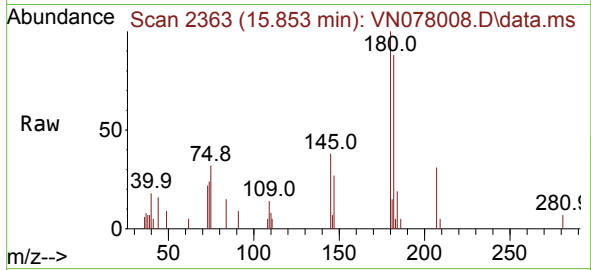
129 11.5 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.681 ug/l  
 RT: 15.853 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN078008.D  
 Acq: 01 Jun 2023 12:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0601MBL01



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 6160  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 90.5  | 46.2  | 138.6 |
| 145       | 38.1  | 17.5  | 52.6  |

