

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103123\  
 Data File : VN079752.D  
 Acq On : 31 Oct 2023 18:31  
 Operator : JC\MD  
 Sample : 05107-06 20X  
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 01 01:24:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103023W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 07:23:24 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 295704   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 555545   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 585171   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 289353   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 224621   | 47.302   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 94.600%   |
| 35) Dibromofluoromethane    | 8.171  | 113   | 203452   | 51.252   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 102.500%  |
| 50) Toluene-d8              | 10.571 | 98    | 681679   | 46.065   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 92.120%   |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 308506   | 66.201   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 132.400%# |

|                               |        |     |        |        |        |        |
|-------------------------------|--------|-----|--------|--------|--------|--------|
| Target Compounds              |        |     |        |        |        | Qvalue |
| 11) Tert butyl alcohol        | 5.518  | 59  | 4247   | 6.743  | ug/l # | 72     |
| 13) Acrolein                  | 4.195  | 56  | 130    | 0.205  | ug/l # | 16     |
| 16) Acetone                   | 4.430  | 43  | 7258   | 3.572  | ug/l # | 81     |
| 18) Methyl Acetate            | 5.053  | 43  | 2067   | 0.252  | ug/l # | 75     |
| 20) Methylene Chloride        | 5.277  | 84  | 979    | 0.243  | ug/l # | 57     |
| 25) 2-Butanone                | 7.500  | 43  | 4622   | 1.656  | ug/l # | 75     |
| 31) Cyclohexane               | 8.236  | 56  | 21120  | 3.260  | ug/l # | 60     |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 26835  | 4.557  | ug/l # | 48     |
| 38) Carbon Tetrachloride      | 8.230  | 117 | 32065  | 5.460  | ug/l # | 15     |
| 39) Methylcyclohexane         | 9.600  | 83  | 26352  | 4.499  | ug/l # | 81     |
| 40) Benzene                   | 8.612  | 78  | 524101 | 30.154 | ug/l   | 100    |
| 48) Methyl methacrylate       | 9.600  | 41  | 14161  | 3.273  | ug/l # | 59     |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43  | 1383   | 0.238  | ug/l # | 31     |
| 52) Toluene                   | 10.635 | 92  | 662441 | 62.430 | ug/l   | 98     |
| 53) t-1,3-Dichloropropene     | 10.635 | 75  | 8451   | 1.340  | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97  | 2818   | 0.672  | ug/l # | 21     |
| 56) Ethyl methacrylate        | 10.912 | 69  | 2210   | 0.373  | ug/l # | 1      |
| 59) 2-Hexanone                | 11.177 | 43  | 3417   | 0.800  | ug/l # | 19     |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131 | 1238   | 0.257  | ug/l # | 11     |
| 67) Ethyl Benzene             | 11.965 | 91  | 193263 | 8.470  | ug/l   | 93     |
| 68) m/p-Xylenes               | 12.071 | 106 | 442520 | 52.435 | ug/l   | 94     |
| 69) o-Xylene                  | 12.400 | 106 | 262845 | 32.389 | ug/l   | 93     |
| 70) Styrene                   | 12.412 | 104 | 45382  | 3.491  | ug/l # | 1      |
| 73) Isopropylbenzene          | 12.700 | 105 | 20113  | 0.767  | ug/l   | 99     |
| 74) N-aryl acetate            | 12.482 | 43  | 3161   | 0.303  | ug/l # | 52     |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83  | 1860   | 0.200  | ug/l # | 47     |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75  | 165483 | 21.062 | ug/l # | 1      |
| 78) n-propylbenzene           | 13.041 | 91  | 51685  | 1.712  | ug/l   | 94     |
| 79) 2-Chlorotoluene           | 13.341 | 91  | 17392  | 0.924  | ug/l   | 90     |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105 | 203820 | 9.540  | ug/l   | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75  | 165483 | 63.532 | ug/l # | 15     |
| 82) 4-Chlorotoluene           | 13.341 | 91  | 17392  | 0.962  | ug/l   | 88     |
| 83) tert-Butylbenzene         | 13.488 | 119 | 61675  | 3.522  | ug/l # | 65     |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105 | 488116 | 23.683 | ug/l   | 99     |
| 85) sec-Butylbenzene          | 13.482 | 105 | 487284 | 19.952 | ug/l # | 57     |
| 86) p-Isopropyltoluene        | 13.729 | 119 | 12681  | 0.652  | ug/l   | 85     |

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Sample : 05107-06 20X  
Misc : 5.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 01 01:24:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103023W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 31 07:23:24 2023  
Response via : Initial Calibration

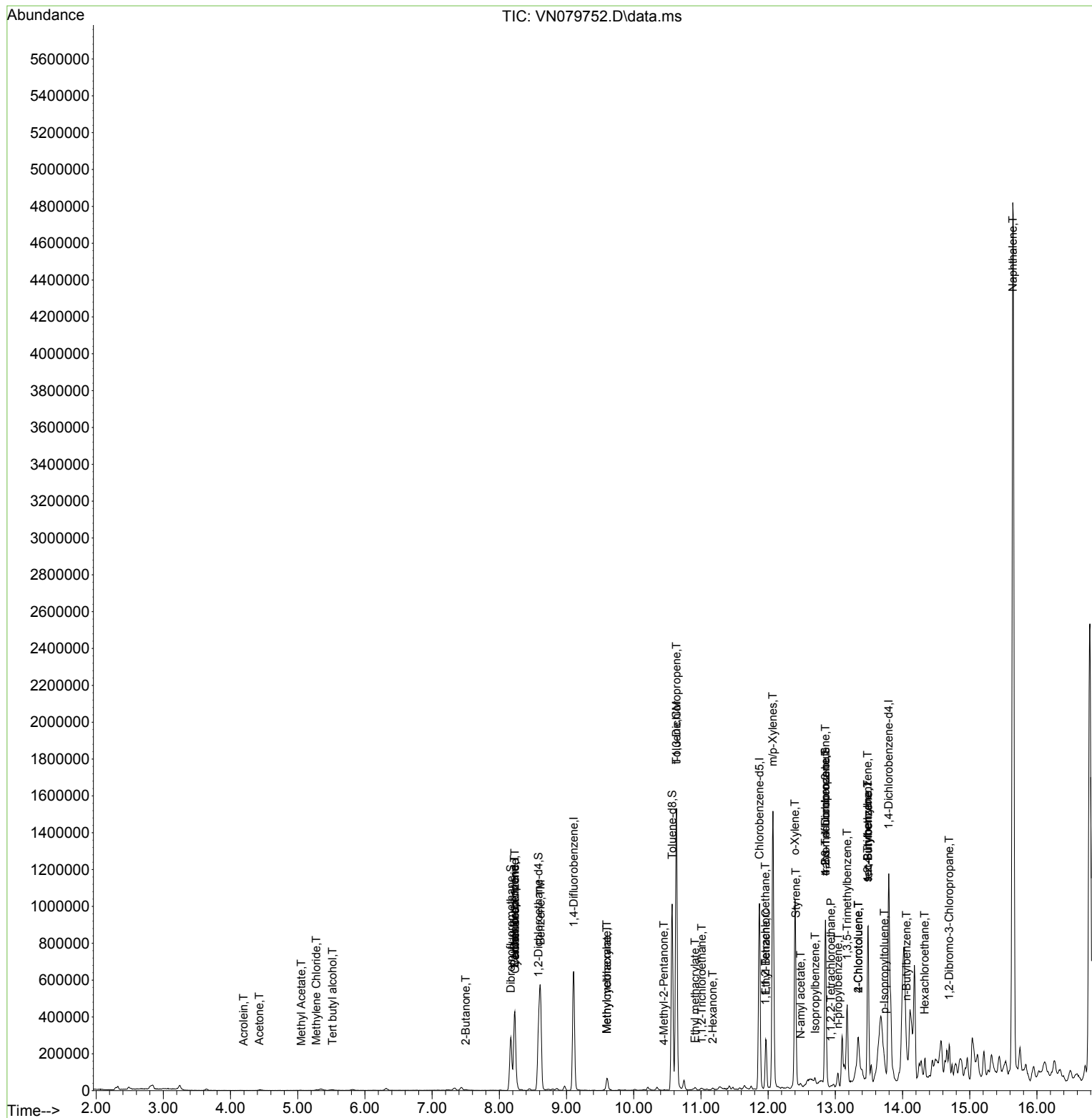
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 89) n-Butylbenzene            | 14.059 | 91   | 11779    | 0.762   | ug/l # | 78       |
| 90) Hexachloroethane          | 14.329 | 117  | 6723     | 1.636   | ug/l # | 23       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 1092     | 0.763   | ug/l # | 4        |
| 95) Naphthalene               | 15.641 | 128  | 4307158  | 490.785 | ug/l   | 99       |

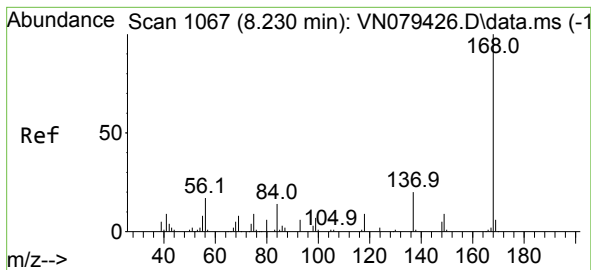
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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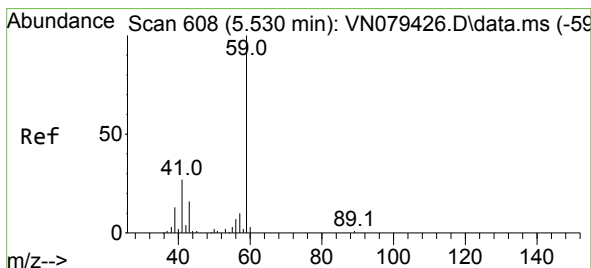
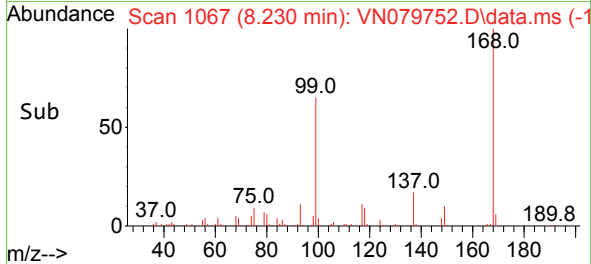
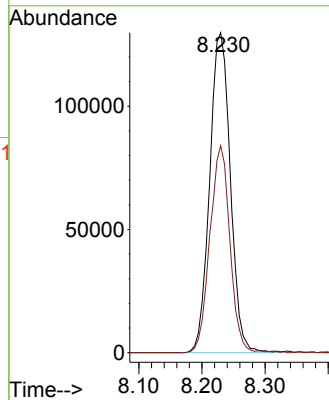
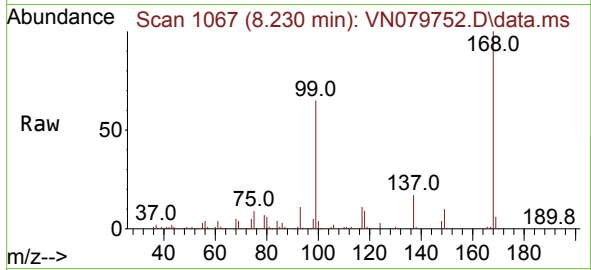




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

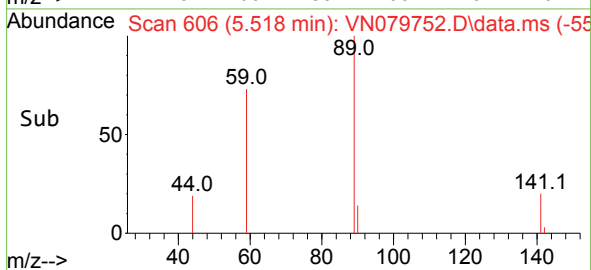
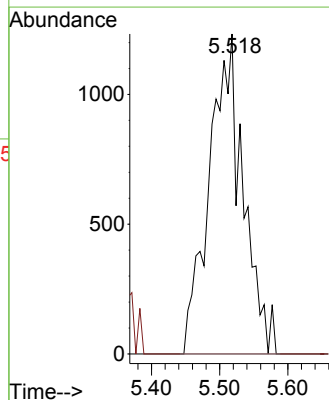
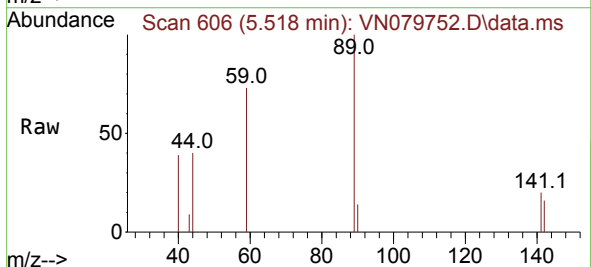
Instrument :  
MSVOA\_N  
ClientSampleId :

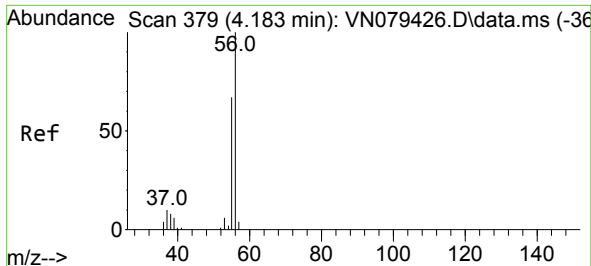
Tgt Ion:168 Resp: 295704  
Ion Ratio Lower Upper  
168 100  
99 64.7 53.0 79.6



#11  
Tert butyl alcohol  
Concen: 6.743 ug/l  
RT: 5.518 min Scan# 606  
Delta R.T. -0.012 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

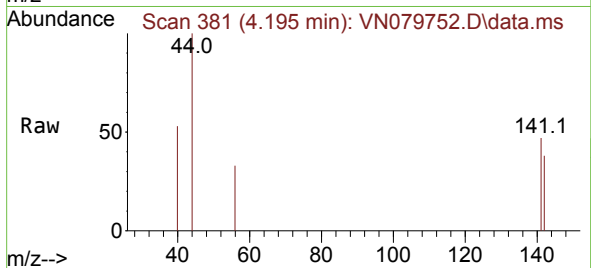
Tgt Ion: 59 Resp: 4247  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



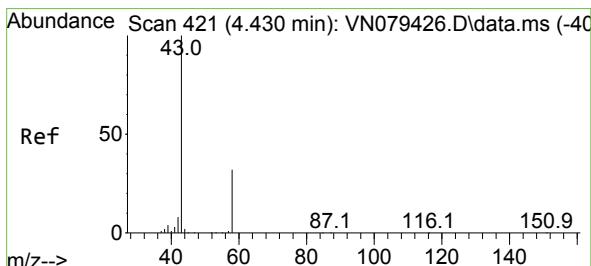
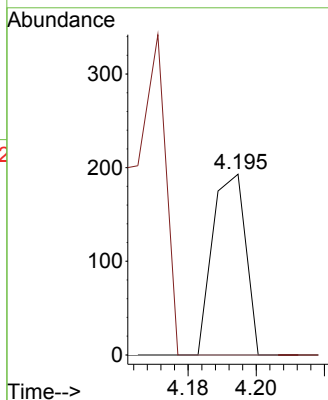
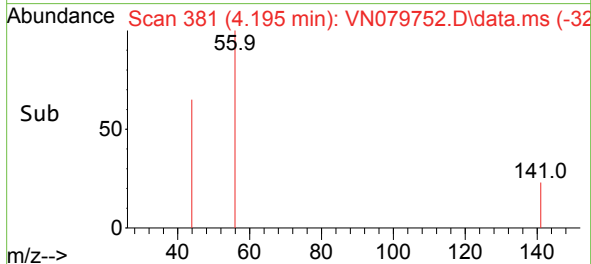


#13  
Acrolein  
Concen: 0.205 ug/l  
RT: 4.195 min Scan# 381  
Delta R.T. 0.012 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Instrument :  
MSVOA\_N  
ClientSampleId :

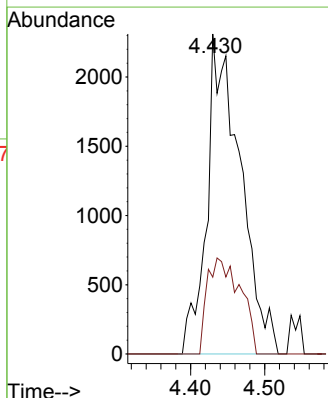
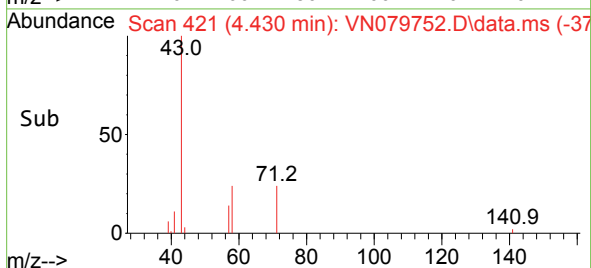
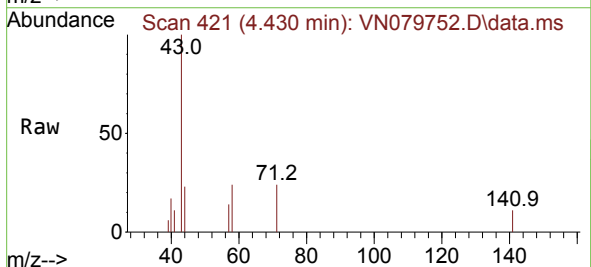


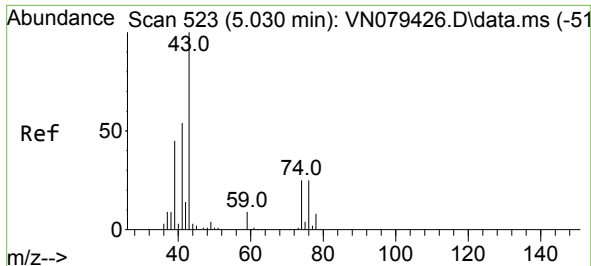
Tgt Ion: 56 Resp: 130  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.5 81.7#



#16  
Acetone  
Concen: 3.572 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. -0.000 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion: 43 Resp: 7258  
Ion Ratio Lower Upper  
43 100  
58 24.0 28.0 42.0#





#18

Methyl Acetate

Concen: 0.252 ug/l

RT: 5.053 min Scan# 51

Delta R.T. 0.023 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

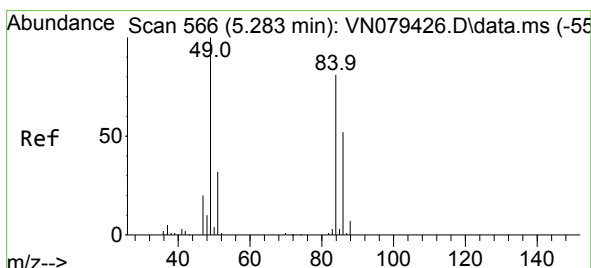
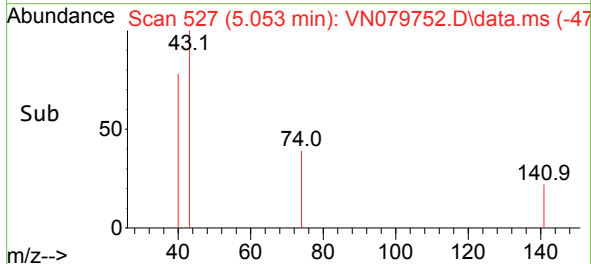
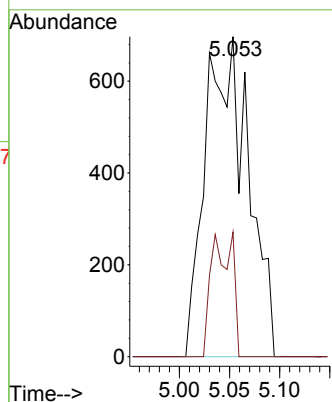
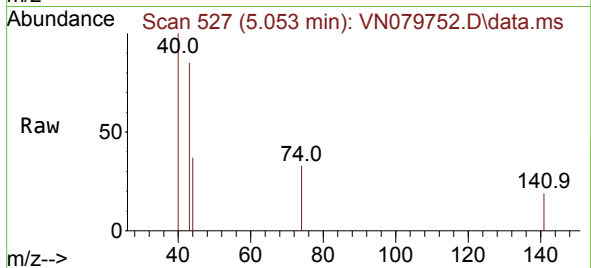
ClientSampleId :

Tgt Ion: 43 Resp: 2067

Ion Ratio Lower Upper

43 100

74 18.9 26.2 39.4#



#20

Methylene Chloride

Concen: 0.243 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Tgt Ion: 84 Resp: 979

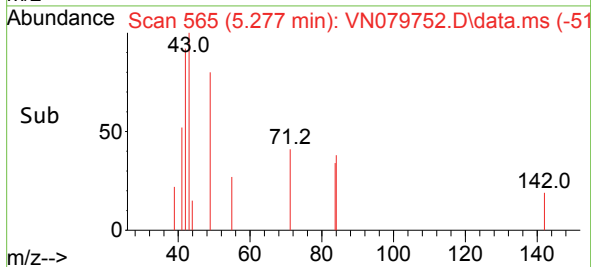
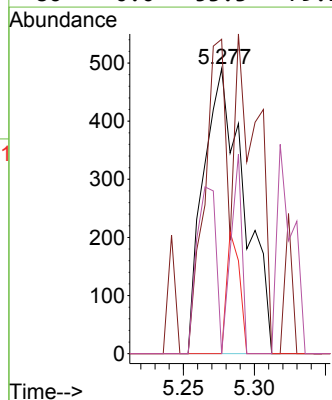
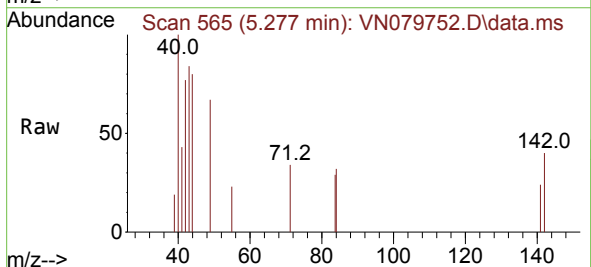
Ion Ratio Lower Upper

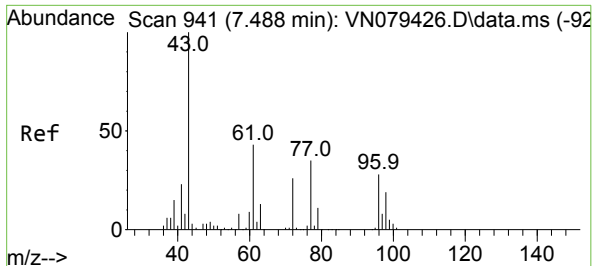
84 100

49 110.4 79.7 119.5

51 0.0 25.2 37.8#

86 0.0 53.3 79.9#

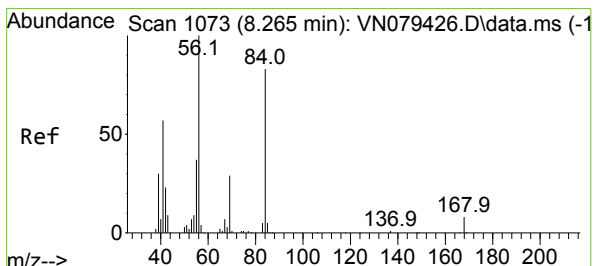
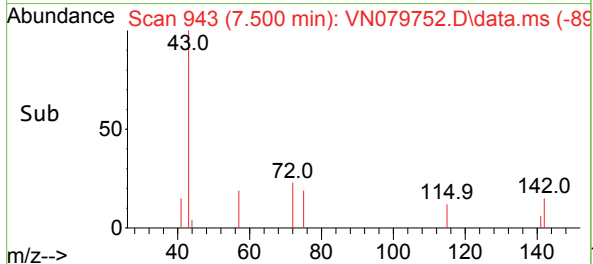
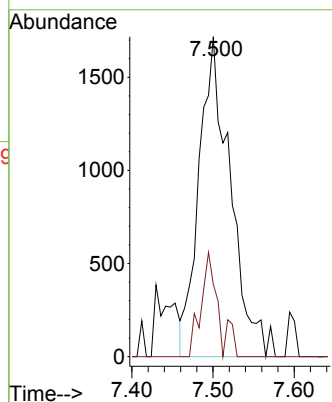
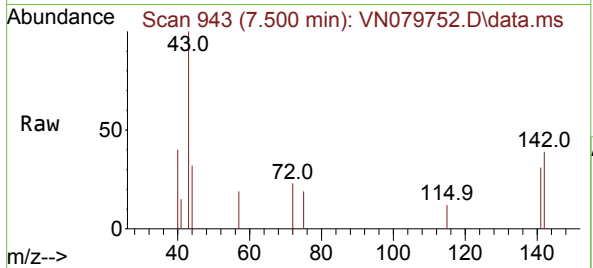




#25  
2-Butanone  
Concen: 1.656 ug/l  
RT: 7.500 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

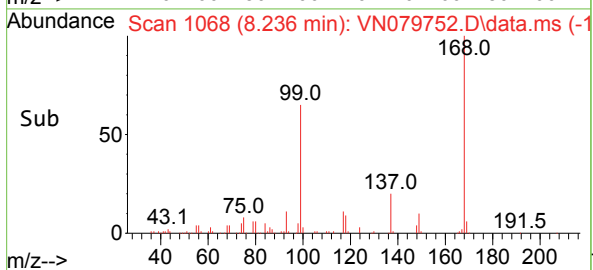
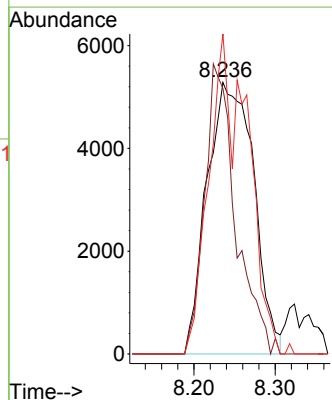
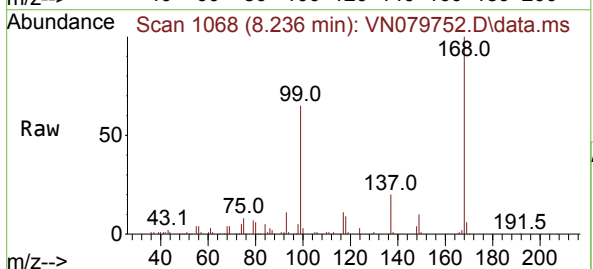
Instrument :  
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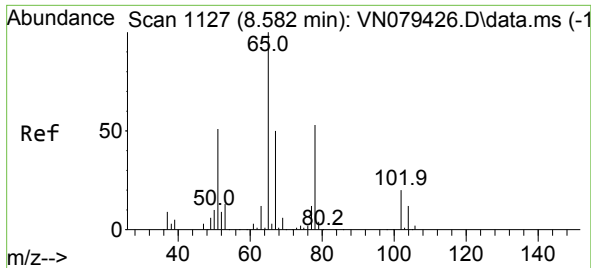
Tgt Ion: 43 Resp: 4622  
Ion Ratio Lower Upper  
43 100  
72 22.6 30.2 45.2#



#31  
Cyclohexane  
Concen: 3.260 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. -0.029 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion: 56 Resp: 21120  
Ion Ratio Lower Upper  
56 100  
69 97.8 26.8 40.2#  
84 117.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 47.302 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

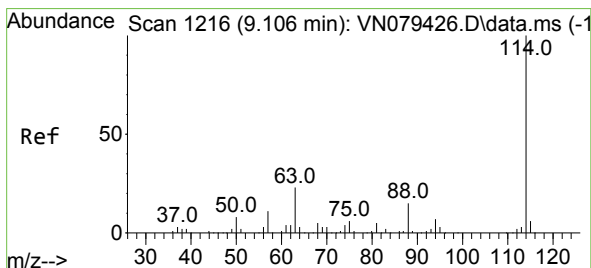
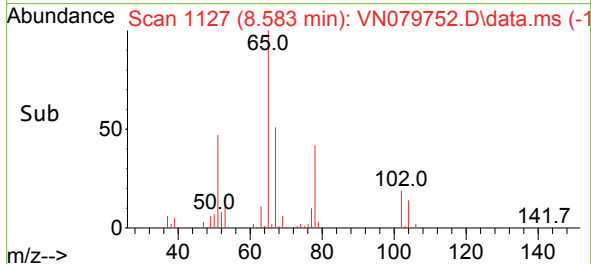
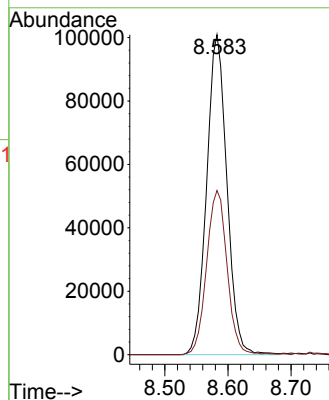
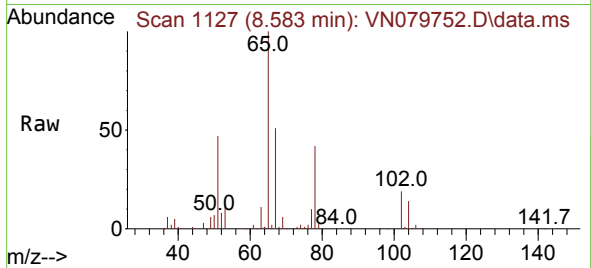
ClientSampleId :

Tgt Ion: 65 Resp: 224621

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

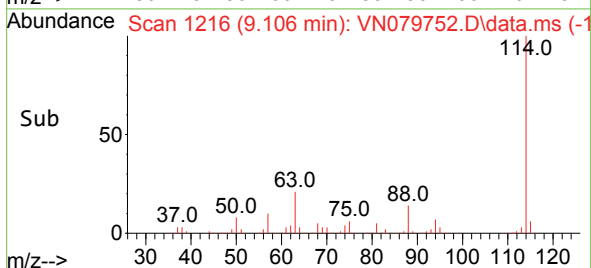
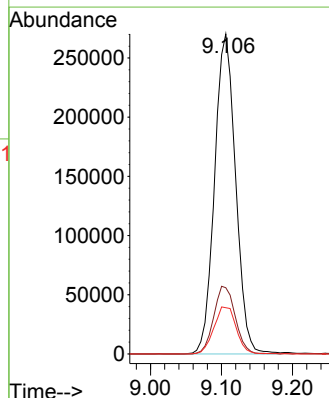
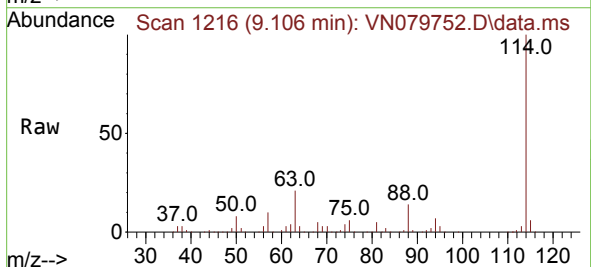
Tgt Ion: 114 Resp: 555545

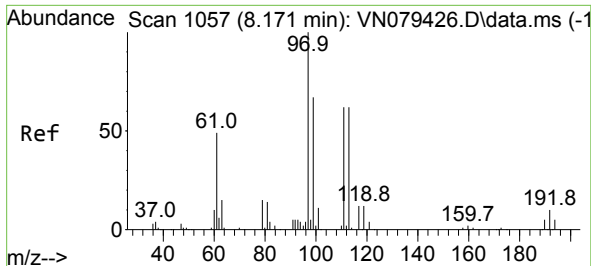
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

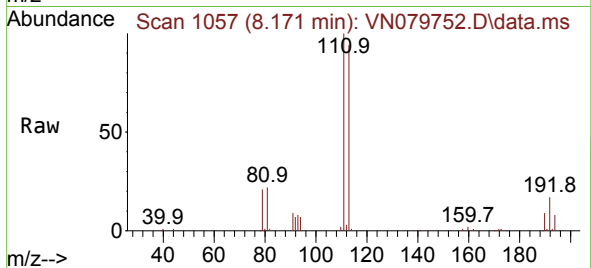
88 14.4 0.0 30.6



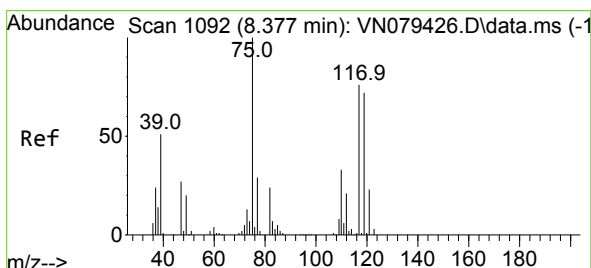
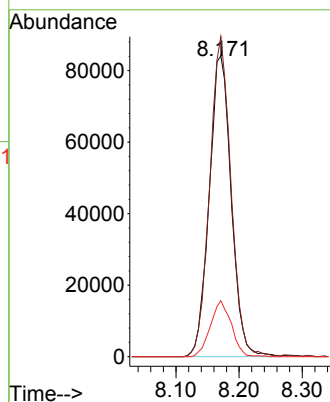
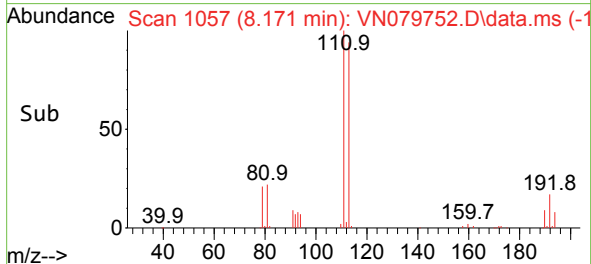


#35  
Dibromofluoromethane  
Concen: 51.252 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Instrument :  
MSVOA\_N  
ClientSampleId :

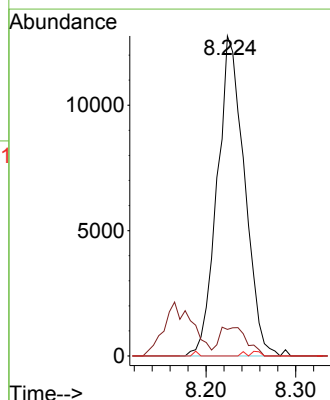
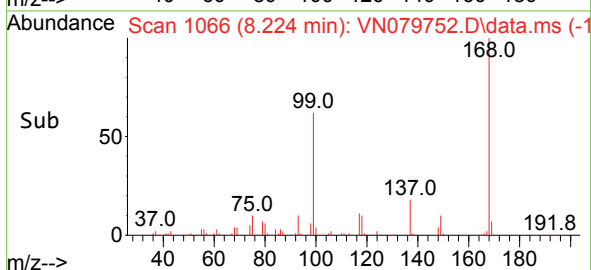
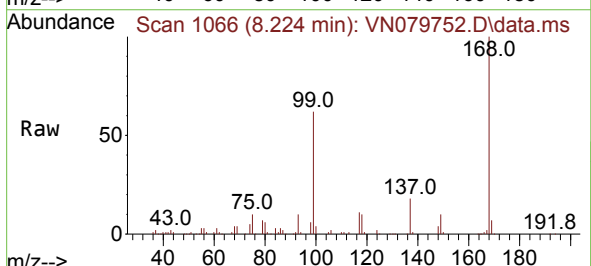


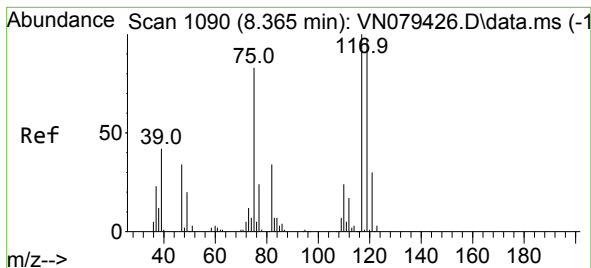
Tgt Ion:113 Resp: 203452  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.6 123.8  
192 17.8 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 4.557 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.153 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion: 75 Resp: 26835  
Ion Ratio Lower Upper  
75 100  
110 9.1 19.1 57.3#  
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.460 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

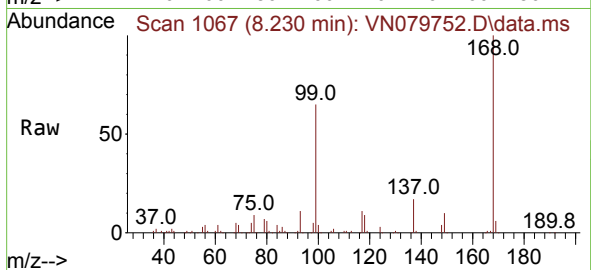
Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

ClientSampleId :



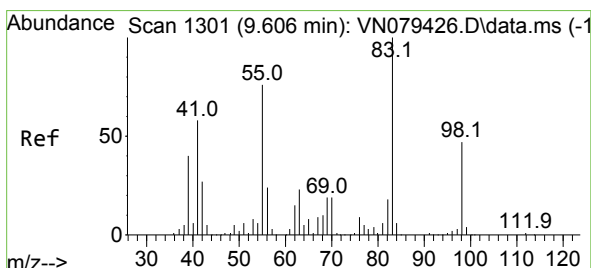
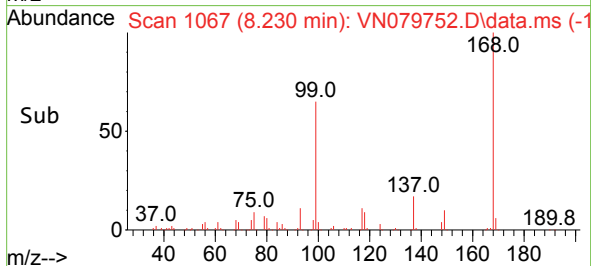
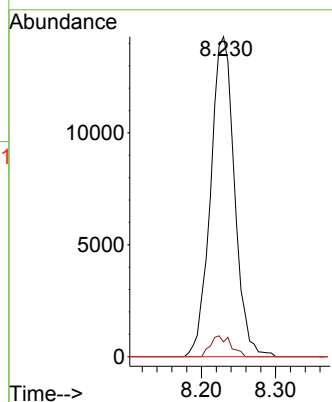
Tgt Ion:117 Resp: 32065

Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 4.499 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

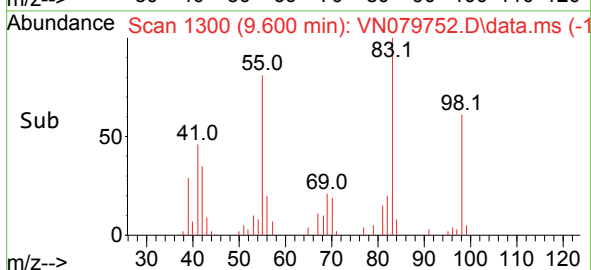
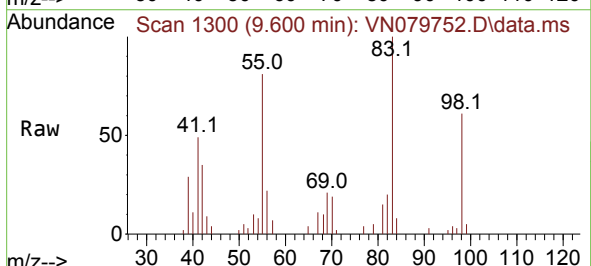
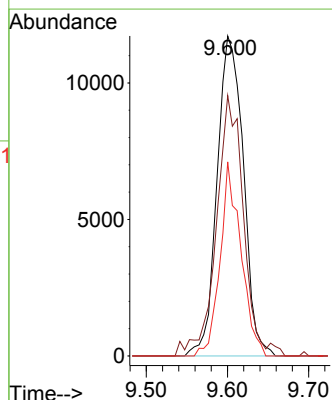
Tgt Ion: 83 Resp: 26352

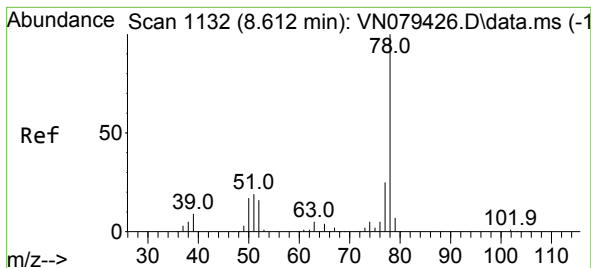
Ion Ratio Lower Upper

83 100

55 79.1 49.1 73.7#

98 60.6 40.6 61.0





#40

Benzene

Concen: 30.154 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

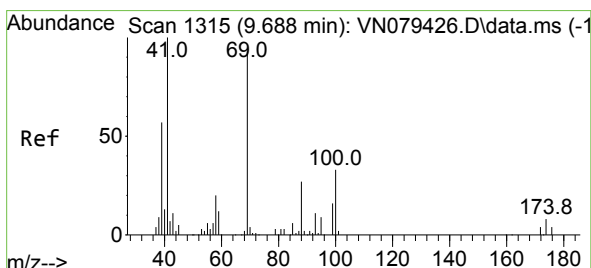
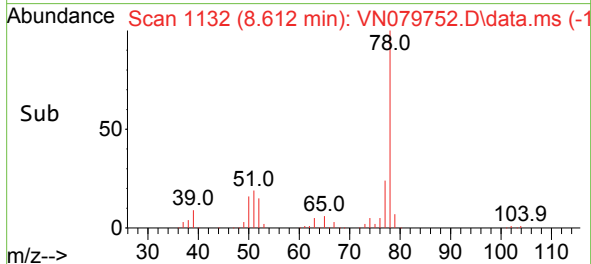
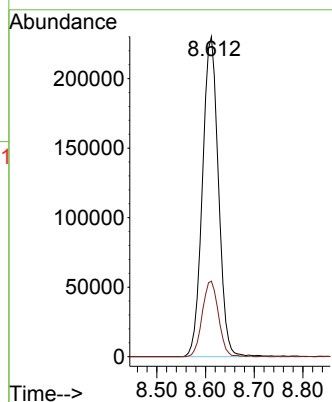
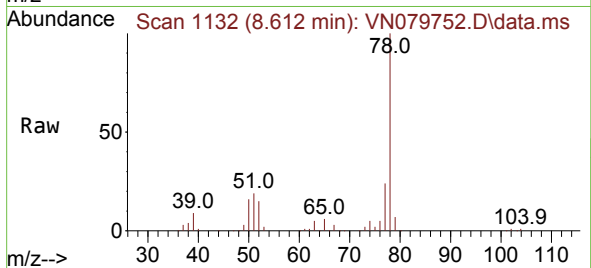
ClientSampleId :

Tgt Ion: 78 Resp: 524101

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6



#48

Methyl methacrylate

Concen: 3.273 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.088 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

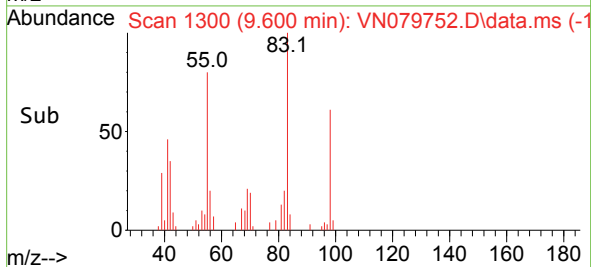
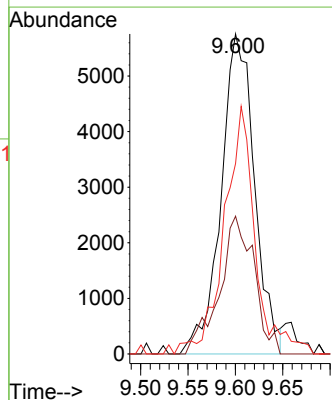
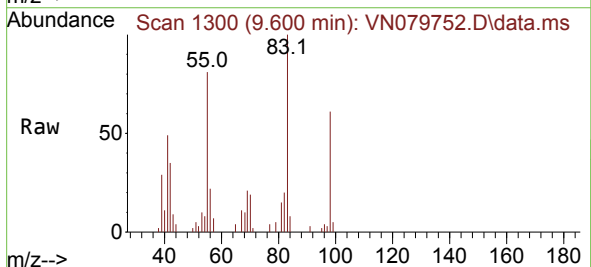
Tgt Ion: 41 Resp: 14161

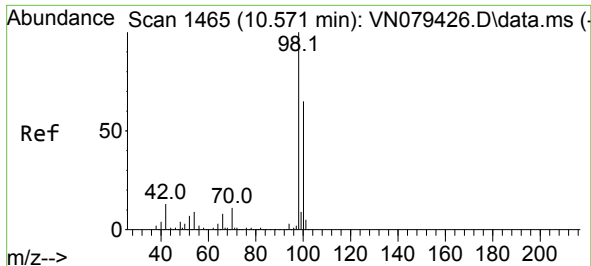
Ion Ratio Lower Upper

41 100

69 44.6 90.4 135.6#

39 71.7 54.6 81.8

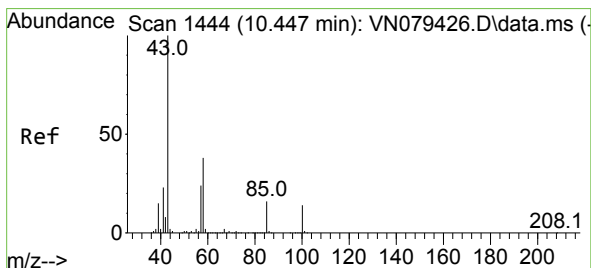
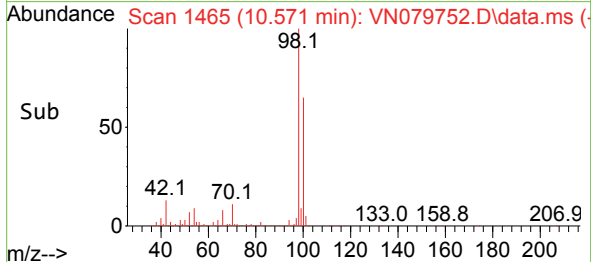
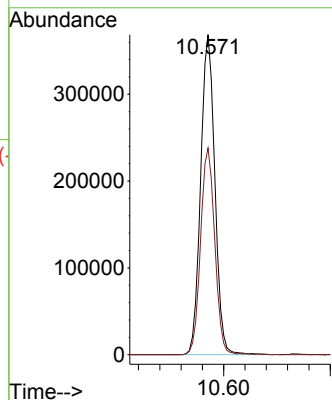
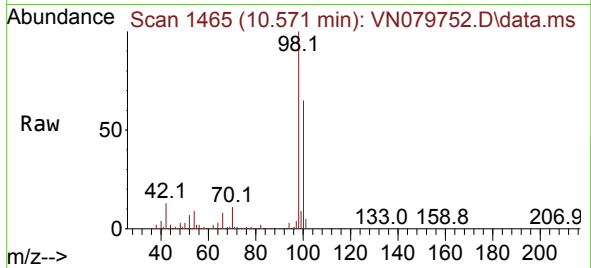




#50  
Toluene-d8  
Concen: 46.065 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

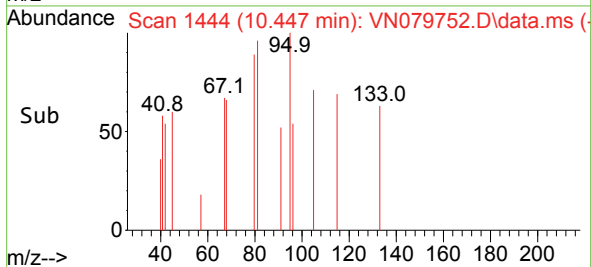
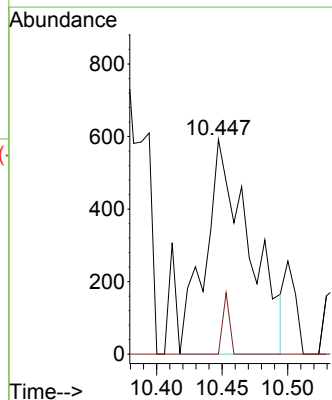
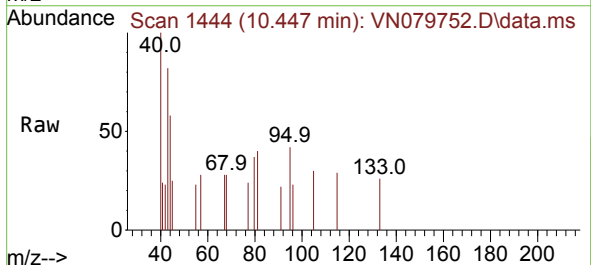
Instrument :  
MSVOA\_N  
ClientSampleId :

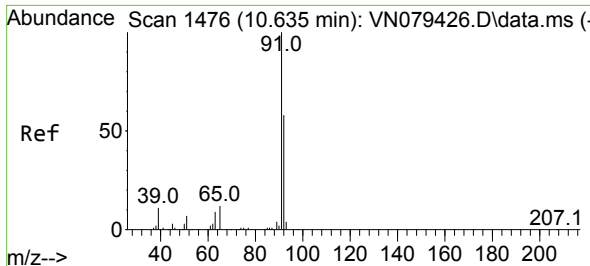
Tgt Ion: 98 Resp: 681679  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.238 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion: 43 Resp: 1383  
Ion Ratio Lower Upper  
43 100  
58 0.0 36.6 54.8#

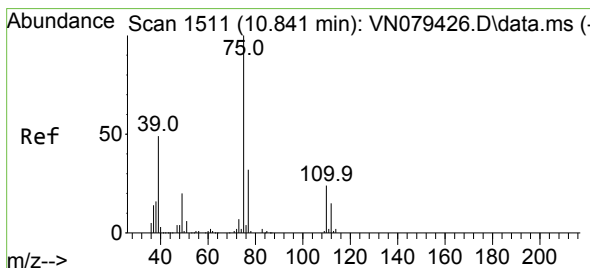
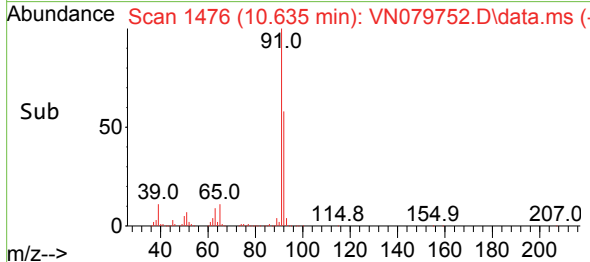
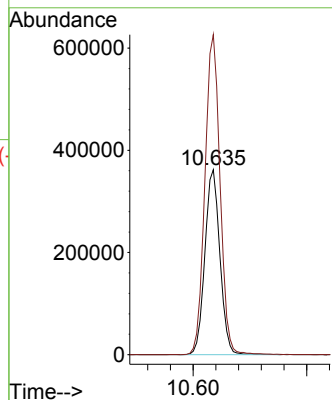
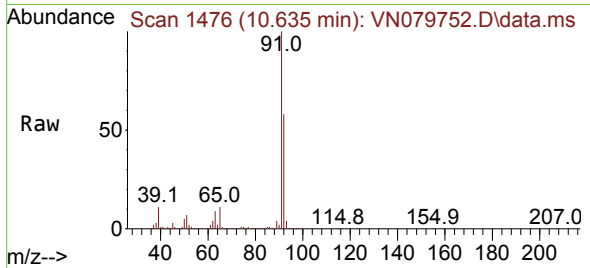




#52  
Toluene  
Concen: 62.430 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

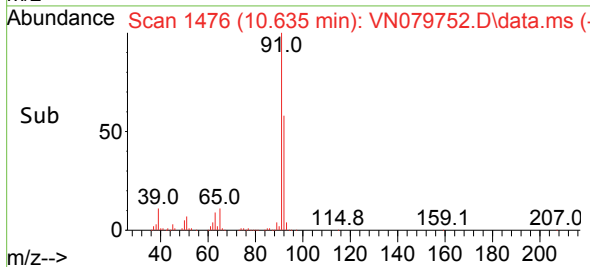
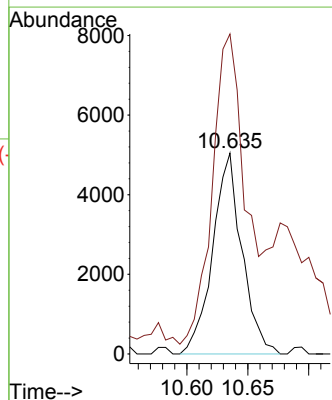
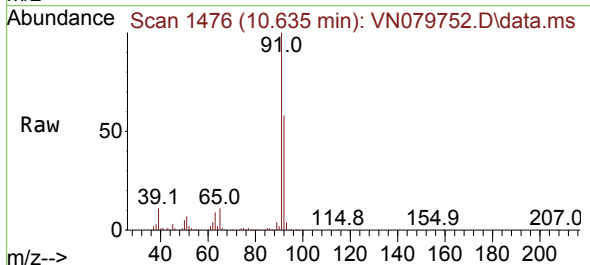
Instrument :  
MSVOA\_N  
ClientSampleId :

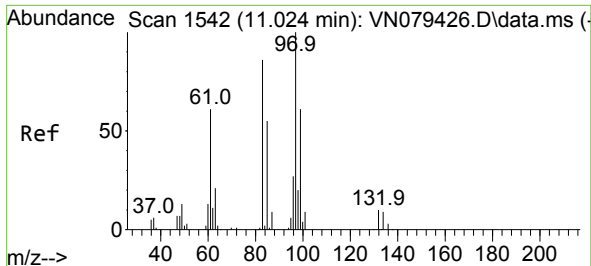
Tgt Ion: 92 Resp: 662441  
Ion Ratio Lower Upper  
92 100  
91 174.4 137.4 206.0



#53  
t-1,3-Dichloropropene  
Concen: 1.340 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.206 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

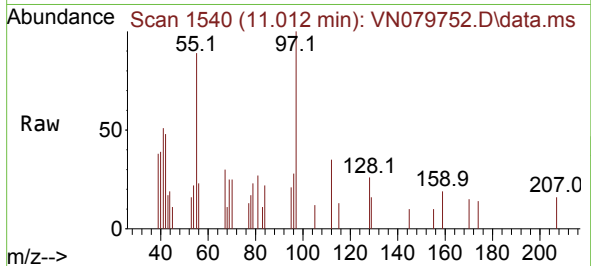
Tgt Ion: 75 Resp: 8451  
Ion Ratio Lower Upper  
75 100  
77 154.4 25.4 38.0#



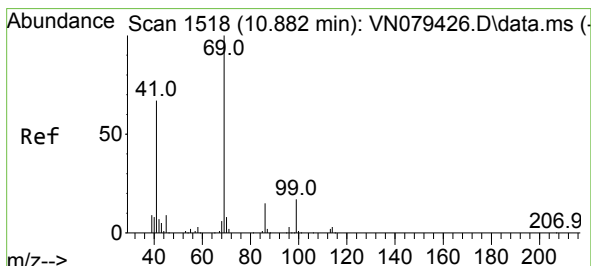
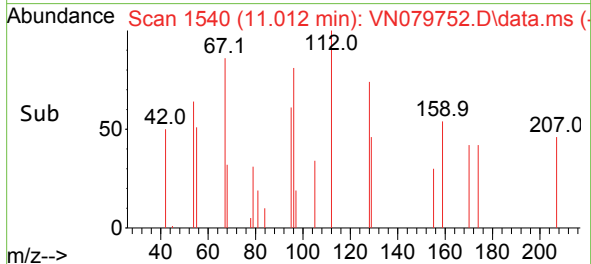
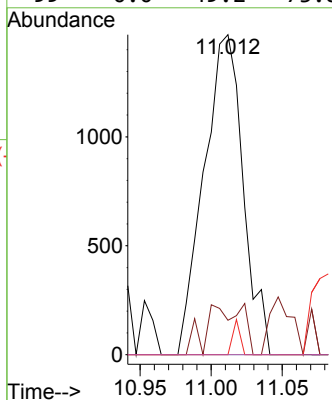


#55  
1,1,2-Trichloroethane  
Concen: 0.672 ug/l  
RT: 11.012 min Scan# 1523  
Delta R.T. -0.012 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Instrument :  
MSVOA\_N  
ClientSampleId :

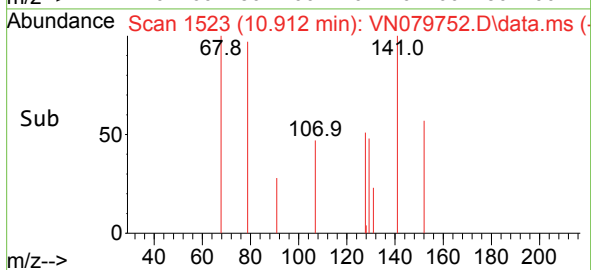
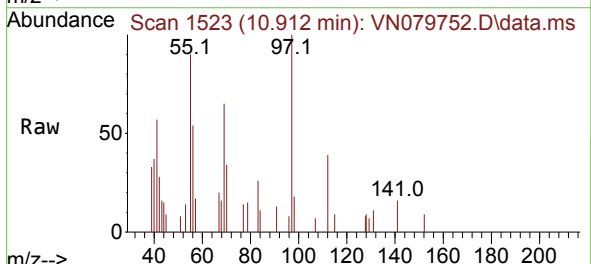
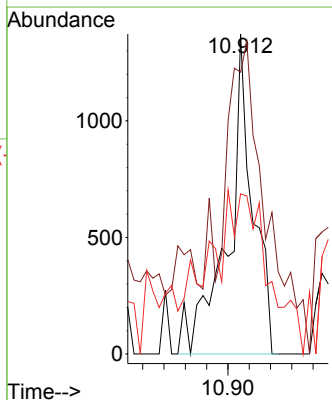


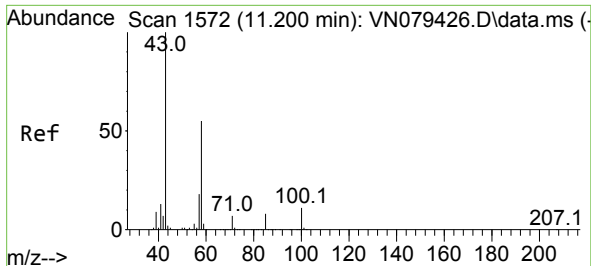
| Tgt Ion: | 97    | Resp: | 2818  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 10.8  | 65.1  | 97.7# |
| 85       | 0.0   | 43.4  | 65.2# |
| 99       | 0.0   | 49.2  | 73.8# |



#56  
Ethyl methacrylate  
Concen: 0.373 ug/l  
RT: 10.912 min Scan# 1523  
Delta R.T. 0.030 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

| Tgt Ion: | 69    | Resp: | 2210  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 167.0 | 39.6  | 59.4# |
| 39       | 0.0   | 28.6  | 43.0# |

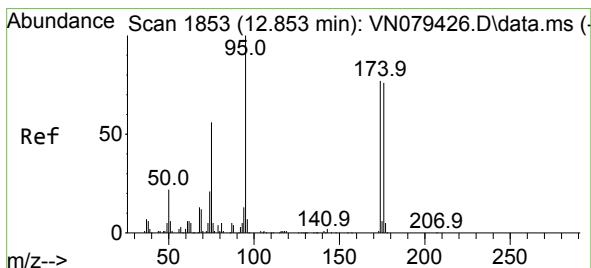
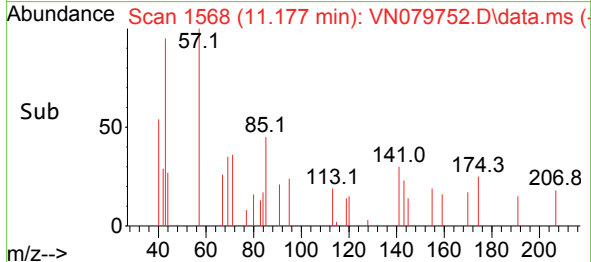
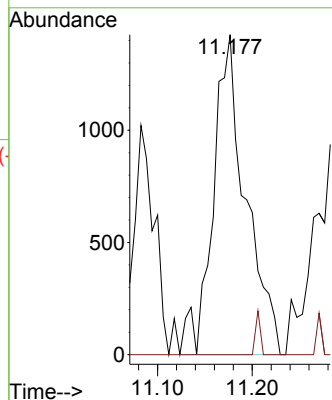
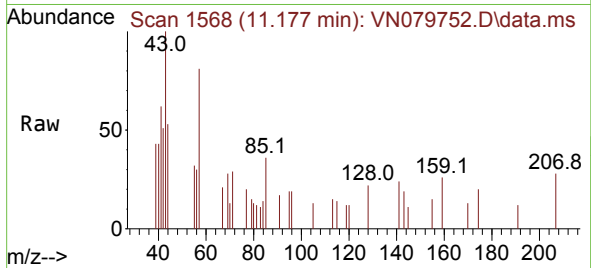




#59  
2-Hexanone  
Concen: 0.800 ug/l  
RT: 11.177 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

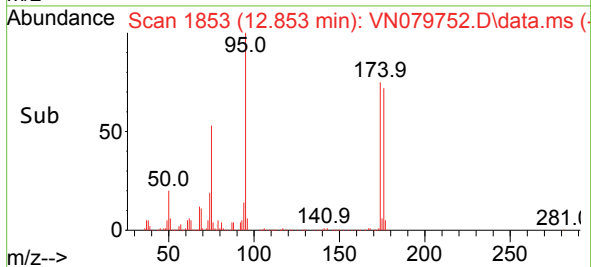
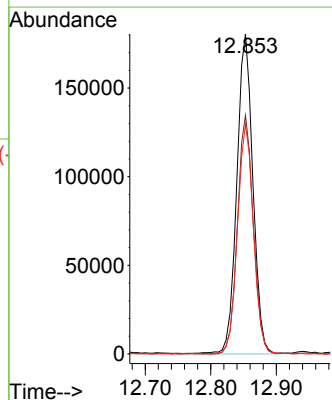
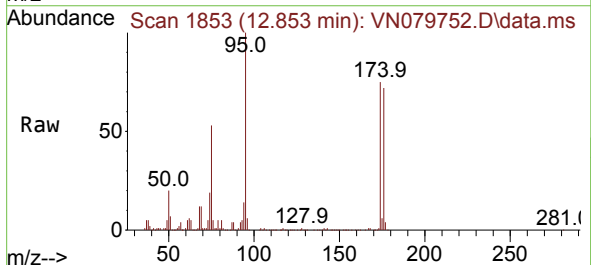
Instrument :  
MSVOA\_N  
ClientSampleId :

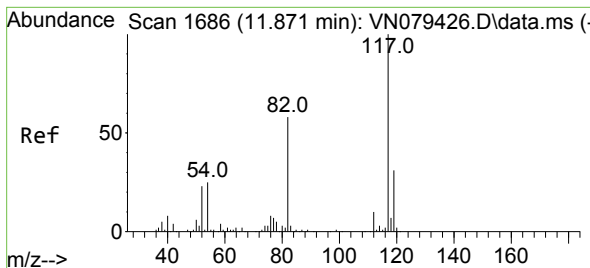
Tgt Ion: 43 Resp: 3417  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 95.1#



#62  
4-Bromofluorobenzene  
Concen: 66.201 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion: 95 Resp: 308506  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 143.8  
176 71.0 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

ClientSampleId :

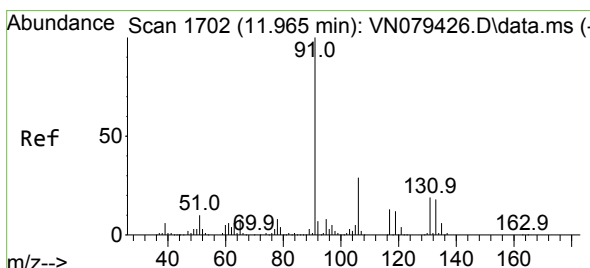
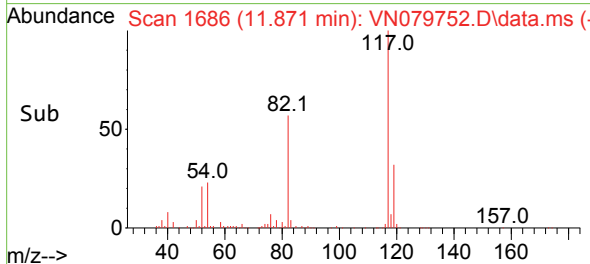
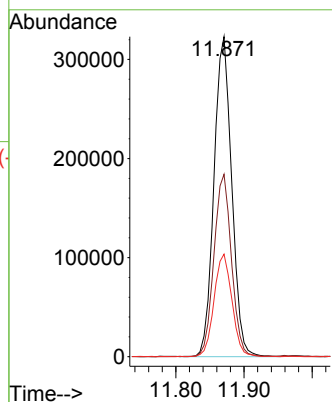
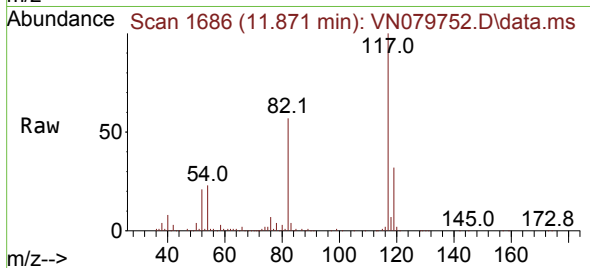
Tgt Ion:117 Resp: 585171

Ion Ratio Lower Upper

117 100

82 56.9 44.0 66.0

119 32.0 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 0.257 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

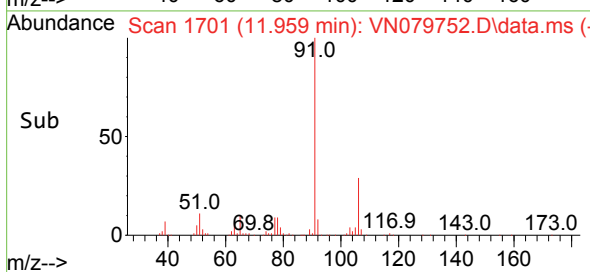
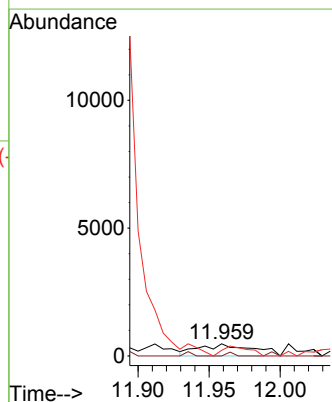
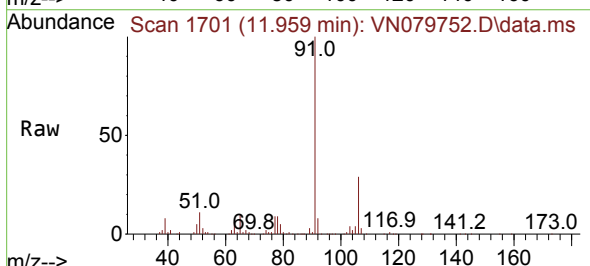
Tgt Ion:131 Resp: 1238

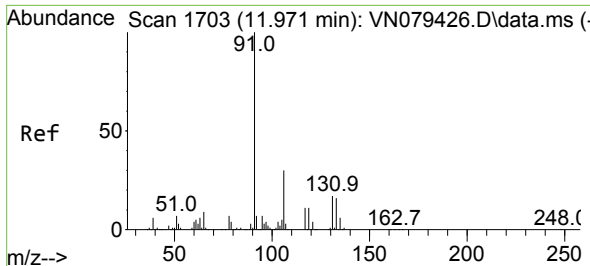
Ion Ratio Lower Upper

131 100

133 4.3 46.4 139.1#

119 0.0 34.1 102.2#

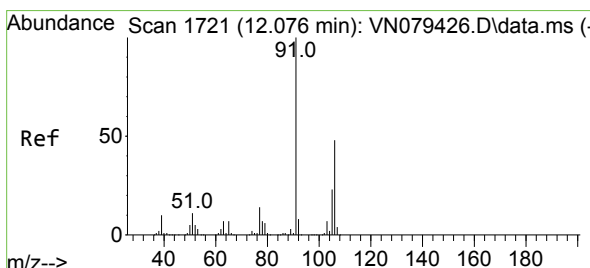
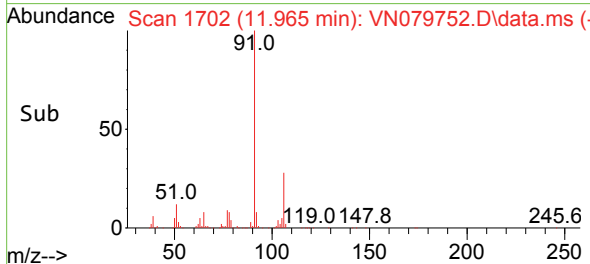
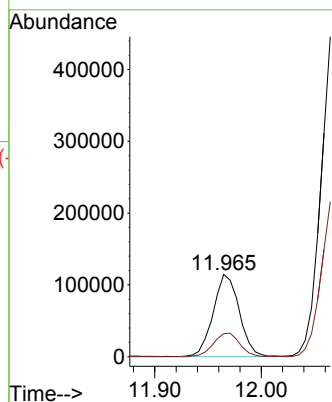
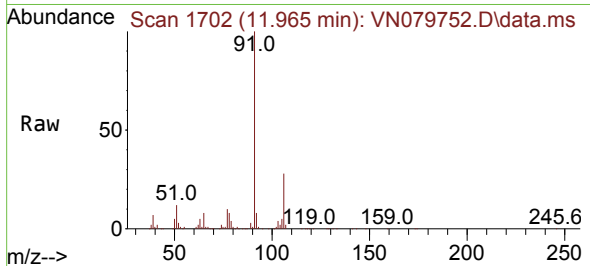




#67  
Ethyl Benzene  
Concen: 8.470 ug/l  
RT: 11.965 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

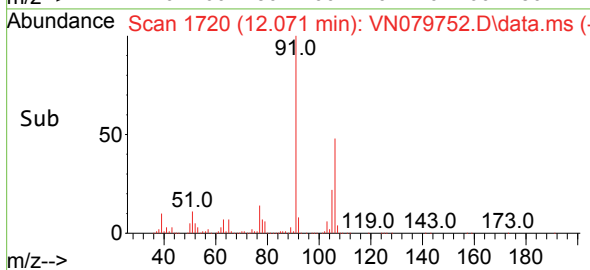
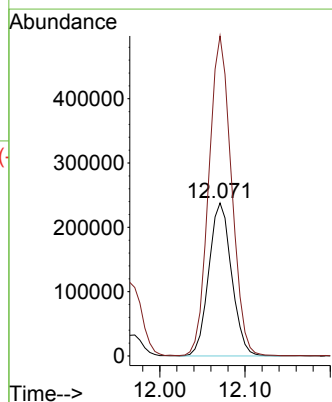
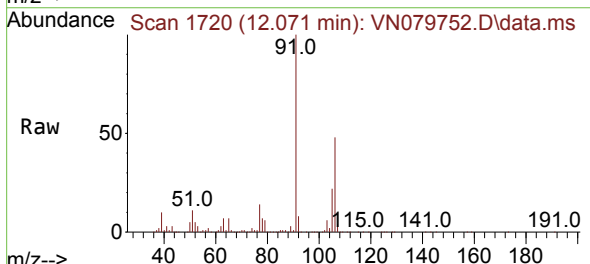
Instrument :  
MSVOA\_N  
ClientSampleId :

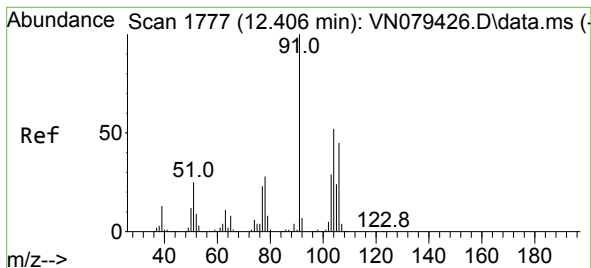
Tgt Ion: 91 Resp: 193263  
Ion Ratio Lower Upper  
91 100  
106 28.1 25.6 38.4



#68  
m/p-Xylenes  
Concen: 52.435 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. -0.005 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion:106 Resp: 442520  
Ion Ratio Lower Upper  
106 100  
91 208.3 159.6 239.4

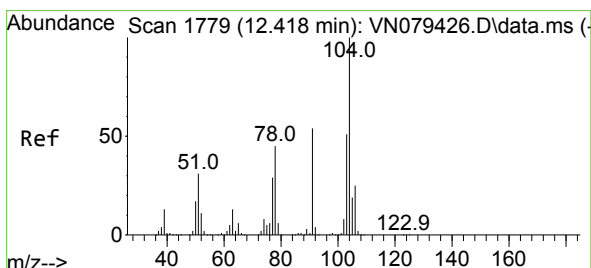
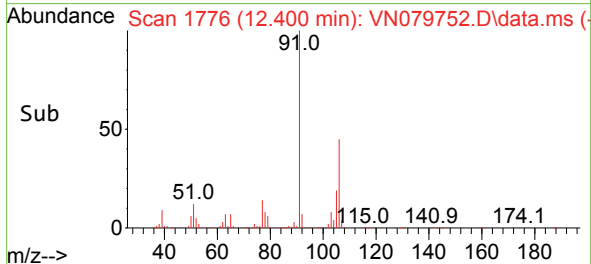
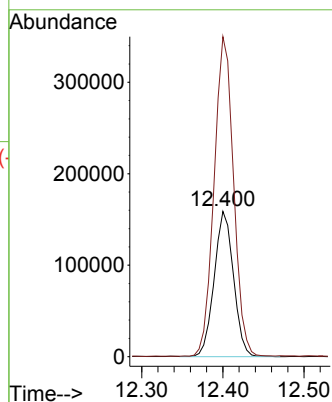
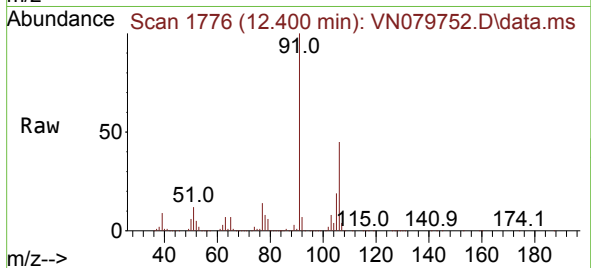




#69  
o-Xylene  
Concen: 32.389 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

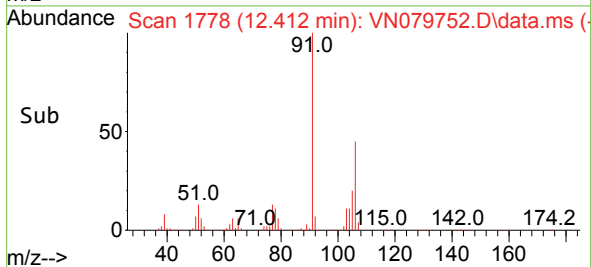
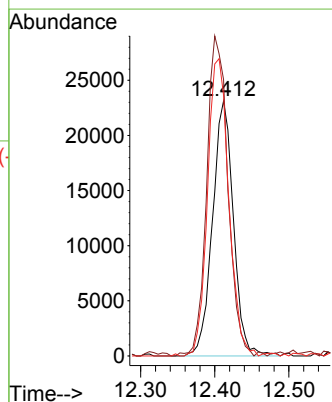
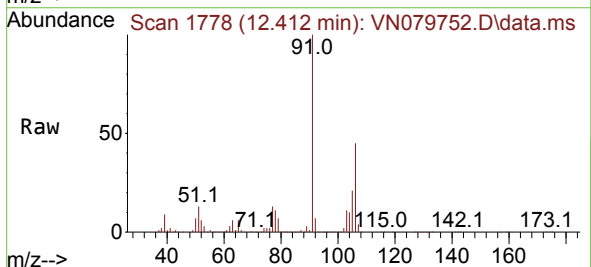
Instrument :  
MSVOA\_N  
ClientSampleId :

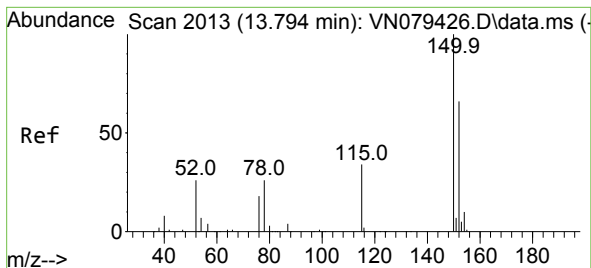
Tgt Ion:106 Resp: 262845  
Ion Ratio Lower Upper  
106 100  
91 221.8 105.2 315.5



#70  
Styrene  
Concen: 3.491 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. -0.006 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion:104 Resp: 45382  
Ion Ratio Lower Upper  
104 100  
78 126.7 39.5 59.3#  
103 118.5 43.2 64.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

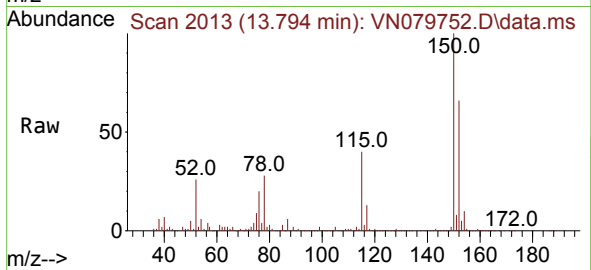
Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

ClientSampleId :



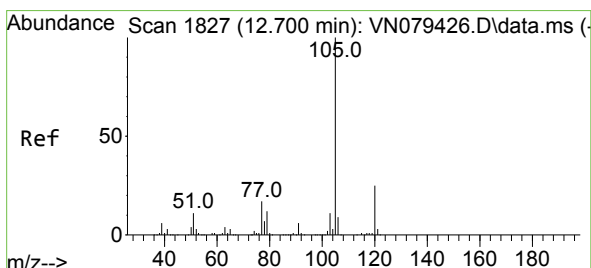
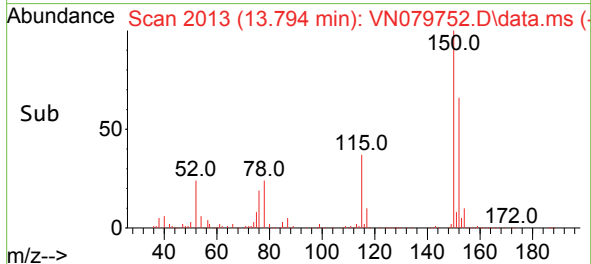
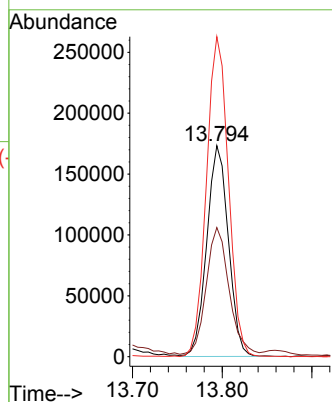
Tgt Ion:152 Resp: 289353

Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 154.7 0.0 355.8



#73

Isopropylbenzene

Concen: 0.767 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN079752.D

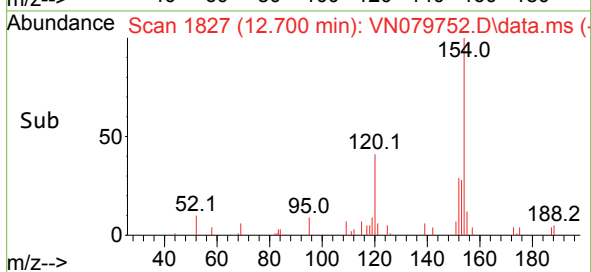
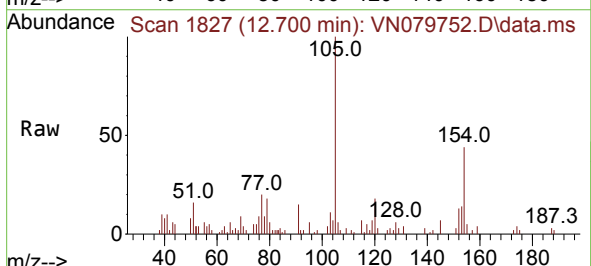
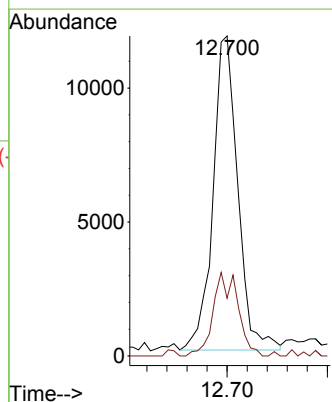
Acq: 31 Oct 2023 18:31

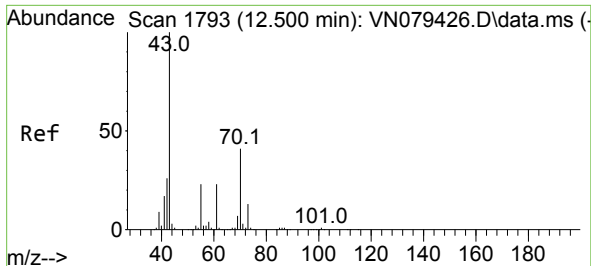
Tgt Ion:105 Resp: 20113

Ion Ratio Lower Upper

105 100

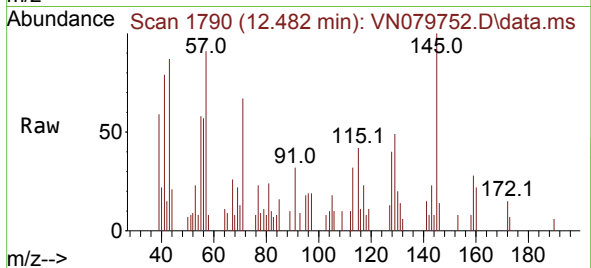
120 26.6 13.1 39.1



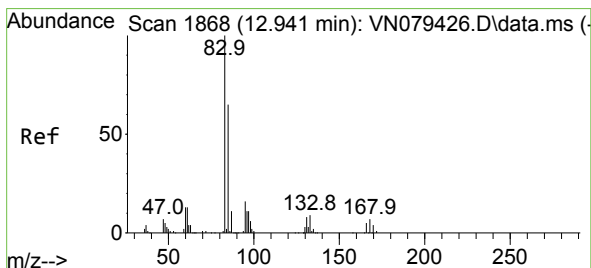
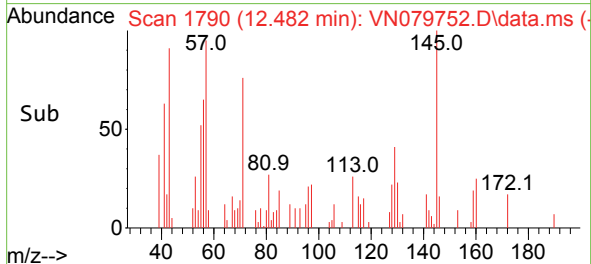
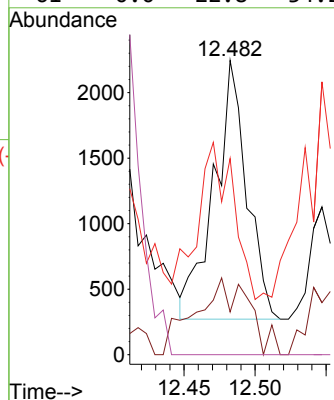


#74  
N-amy1 acetate  
Concen: 0.303 ug/l  
RT: 12.482 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Instrument :  
MSVOA\_N  
ClientSampleId :

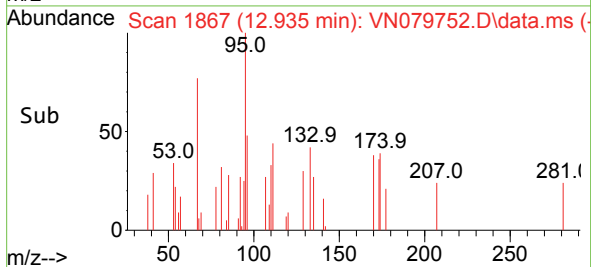
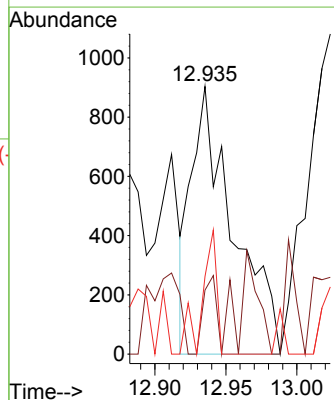
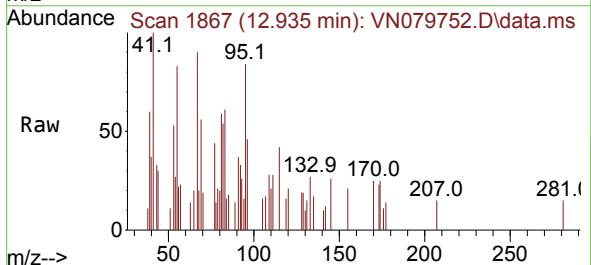


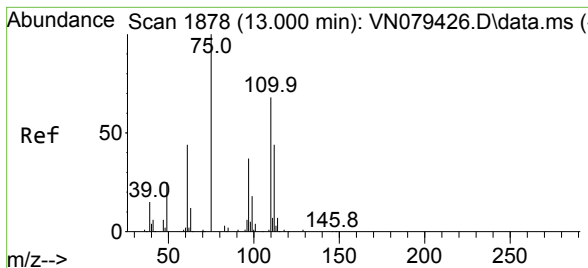
|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 3161      |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 70          | 31.4 43.4 65.2# |
| 55          | 64.2 21.4 32.0# |
| 61          | 0.0 22.8 34.2#  |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.200 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

|             |                 |
|-------------|-----------------|
| Tgt Ion: 83 | Resp: 1860      |
| Ion Ratio   | Lower Upper     |
| 83          | 100             |
| 131         | 9.1 5.0 15.0    |
| 85          | 16.2 31.9 95.7# |





#76

1,2,3-Trichloropropane

Concen: 21.062 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

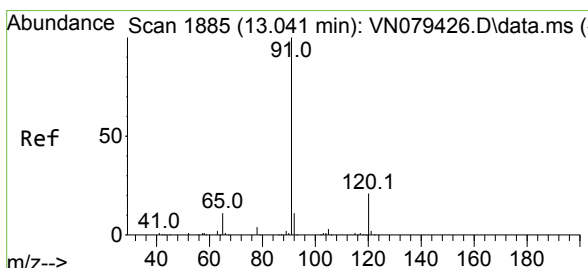
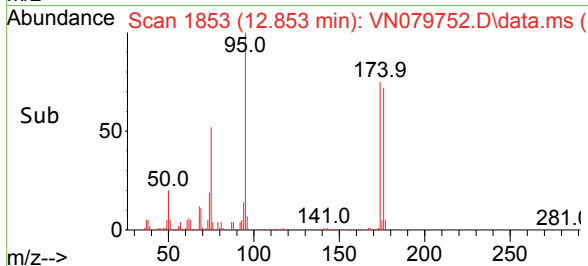
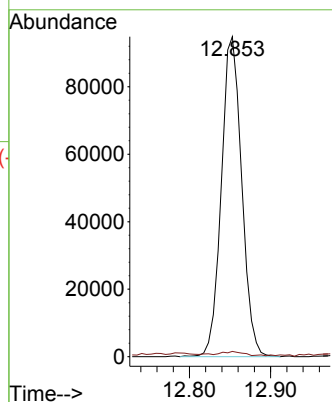
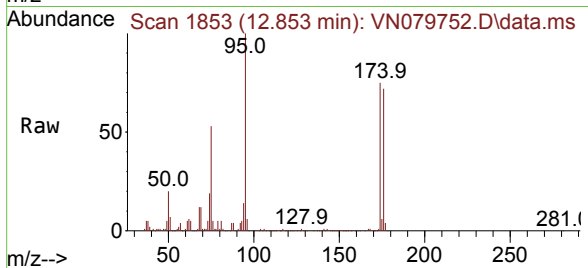
ClientSampleId :

Tgt Ion: 75 Resp: 165483

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#



#78

n-propylbenzene

Concen: 1.712 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN079752.D

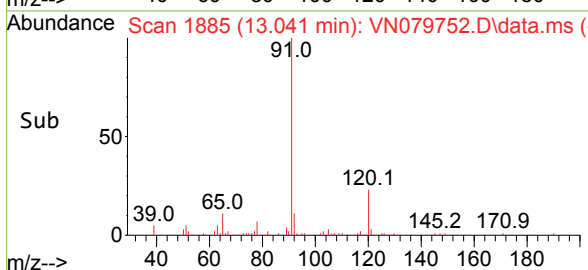
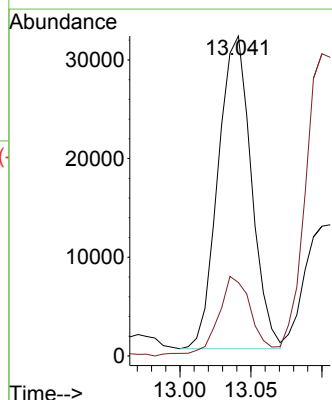
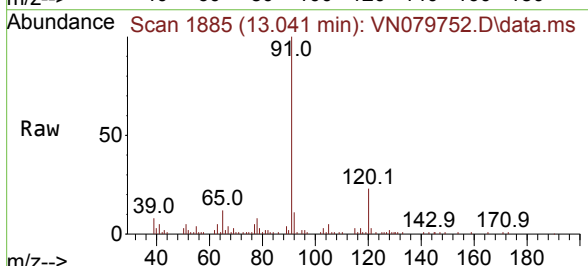
Acq: 31 Oct 2023 18:31

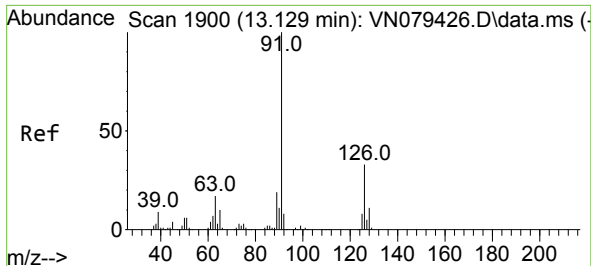
Tgt Ion: 91 Resp: 51685

Ion Ratio Lower Upper

91 100

120 25.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.924 ug/l

RT: 13.341 min Scan# 1936

Delta R.T. 0.212 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

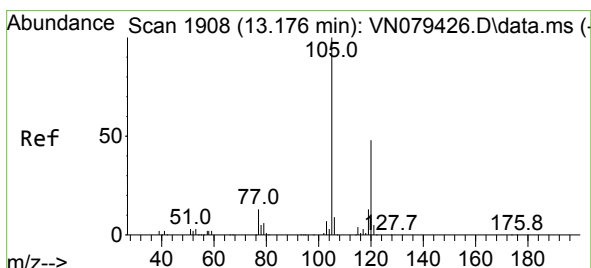
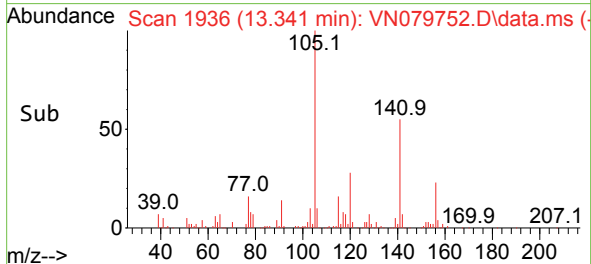
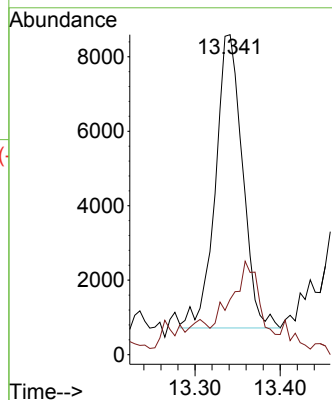
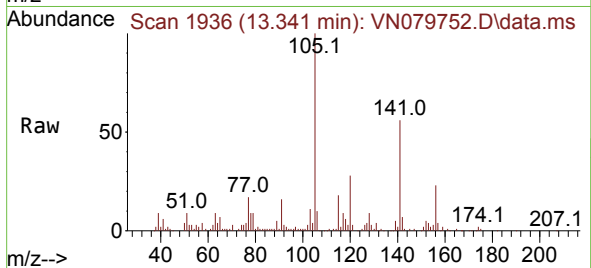
ClientSampleId :

Tgt Ion: 91 Resp: 17392

Ion Ratio Lower Upper

91 100

126 26.7 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 9.540 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079752.D

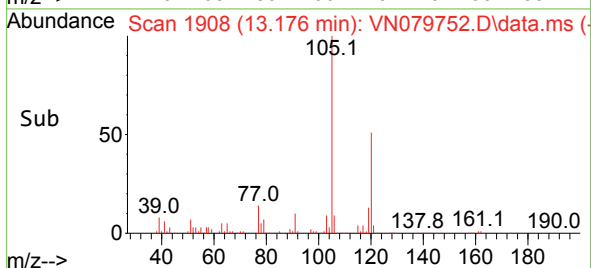
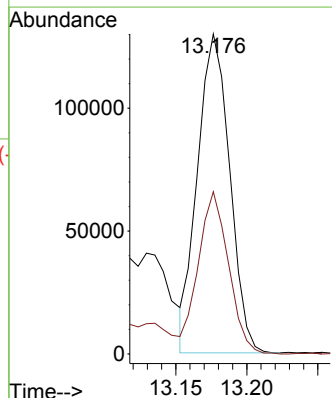
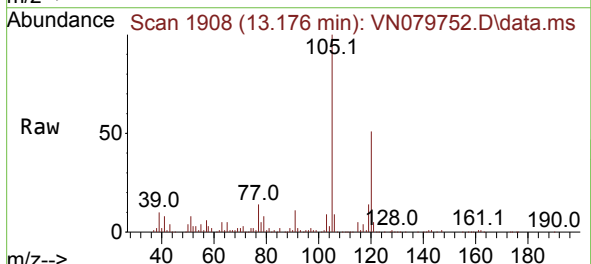
Acq: 31 Oct 2023 18:31

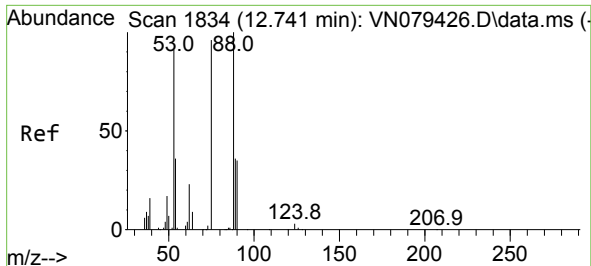
Tgt Ion: 105 Resp: 203820

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.3

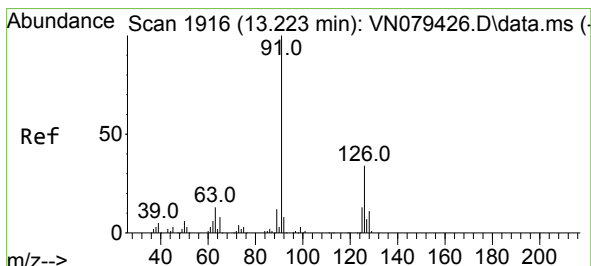
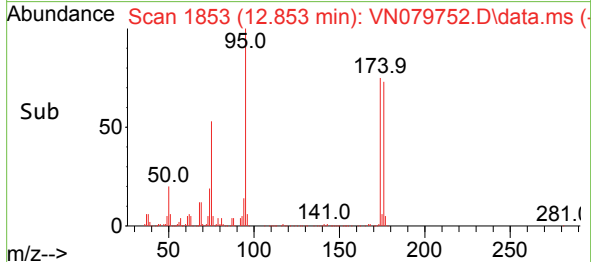
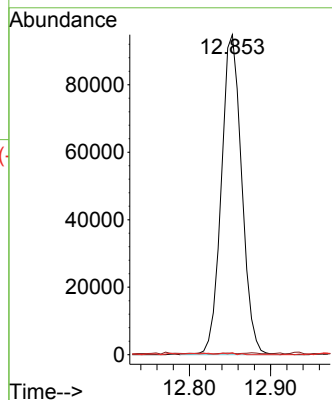
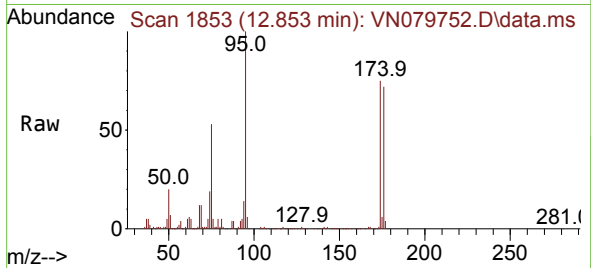




#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.532 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.112 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

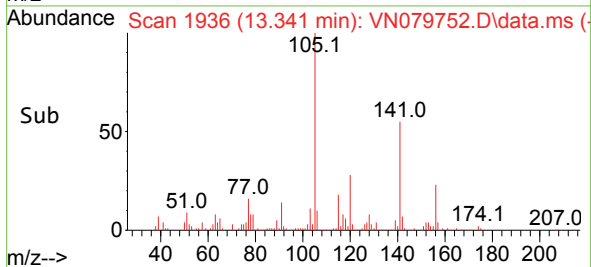
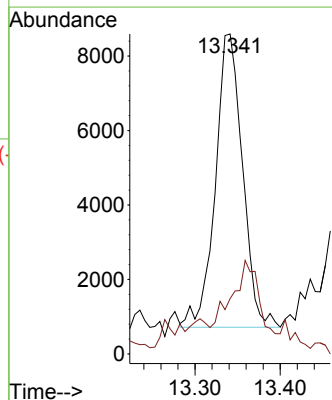
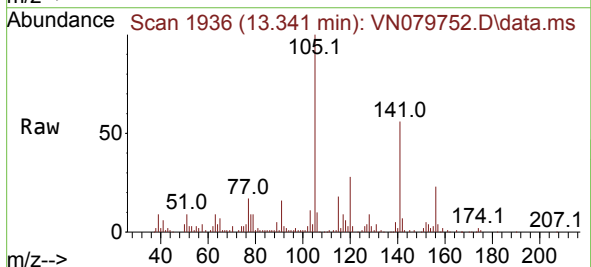
Instrument :  
MSVOA\_N  
ClientSampleId :

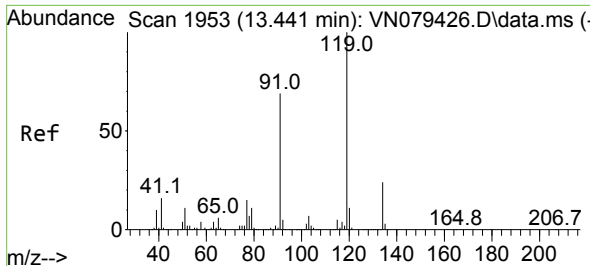
Tgt Ion: 75 Resp: 165483  
Ion Ratio Lower Upper  
75 100  
53 0.2 67.4 101.2#  
89 0.3 38.8 58.2#



#82  
4-Chlorotoluene  
Concen: 0.962 ug/l  
RT: 13.341 min Scan# 1936  
Delta R.T. 0.118 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion: 91 Resp: 17392  
Ion Ratio Lower Upper  
91 100  
126 26.7 16.7 50.0

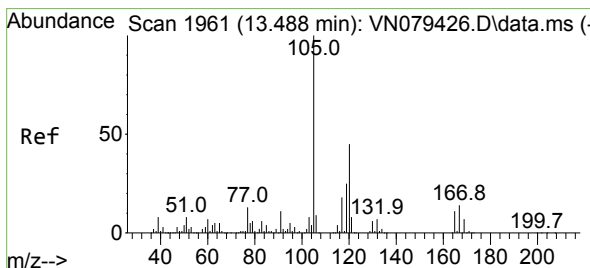
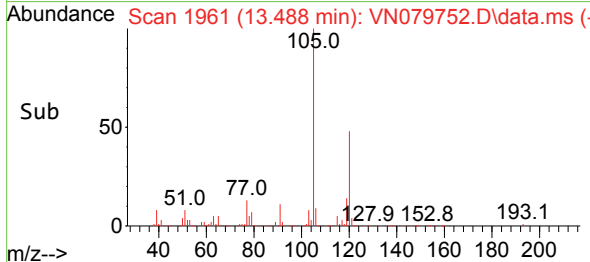
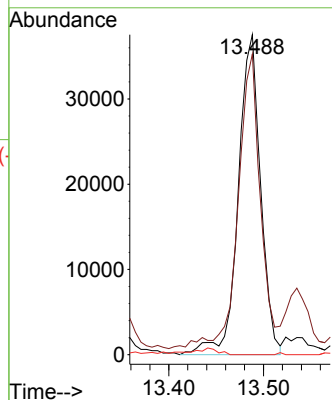
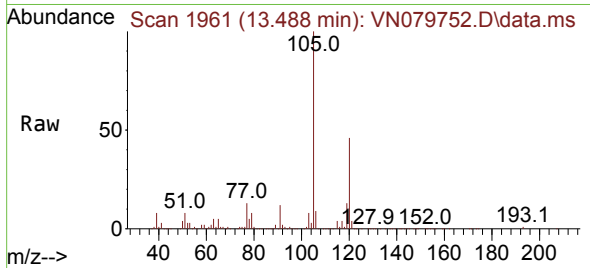




#83  
tert-Butylbenzene  
Concen: 3.522 ug/l  
RT: 13.488 min Scan# 1953  
Delta R.T. 0.047 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

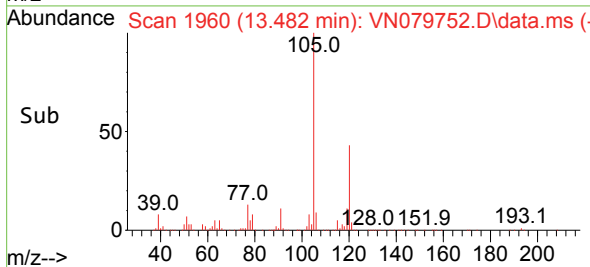
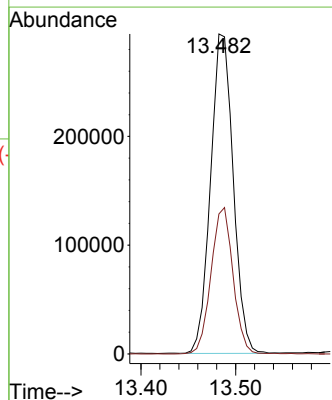
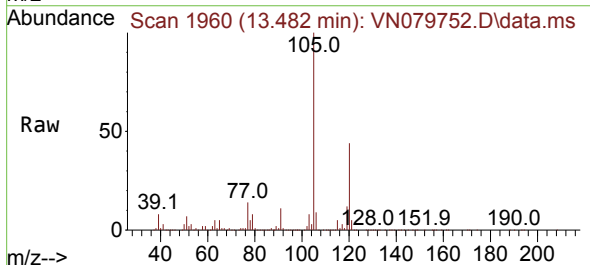
Instrument :  
MSVOA\_N  
ClientSampleId :

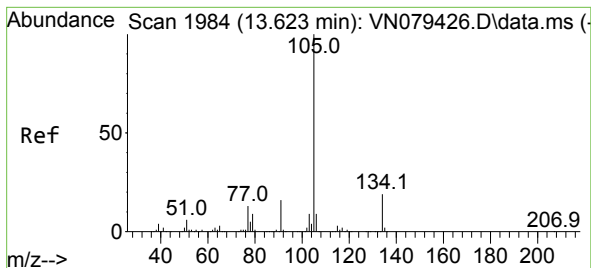
Tgt Ion:119 Resp: 61675  
Ion Ratio Lower Upper  
119 100  
91 90.6 33.9 101.7  
134 0.0 13.2 39.6#



#84  
1,2,4-Trimethylbenzene  
Concen: 23.683 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. -0.006 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion:105 Resp: 488116  
Ion Ratio Lower Upper  
105 100  
120 44.6 22.0 66.0





#85

sec-Butylbenzene

Concen: 19.952 ug/l

RT: 13.482 min Scan# 1984

Delta R.T. -0.141 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

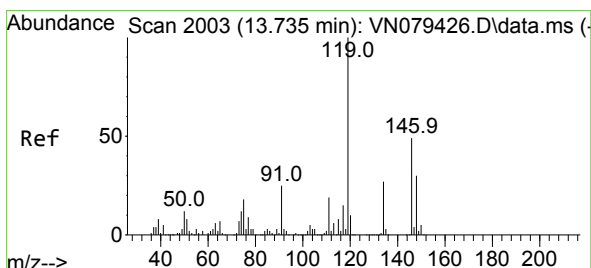
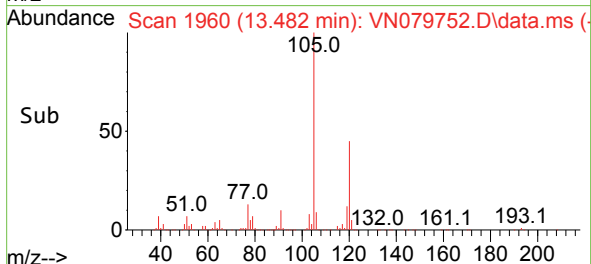
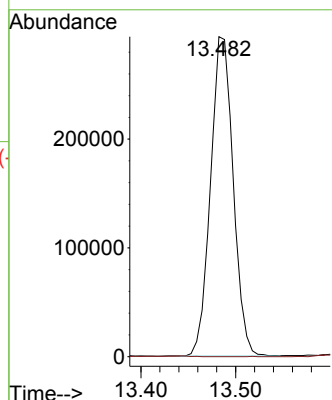
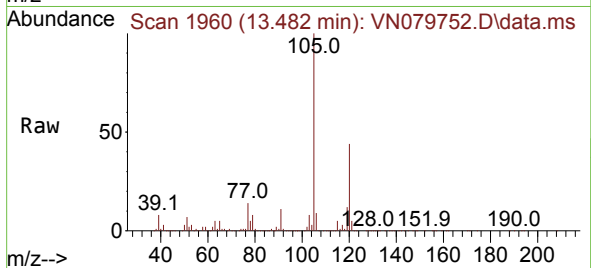
ClientSampleId :

Tgt Ion:105 Resp: 487284

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 0.652 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

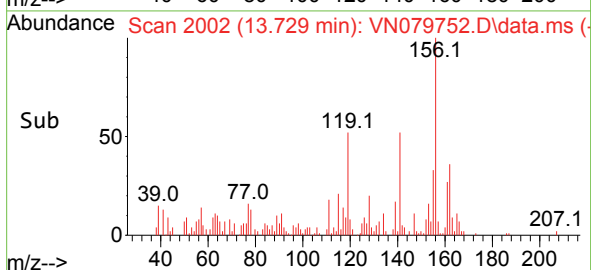
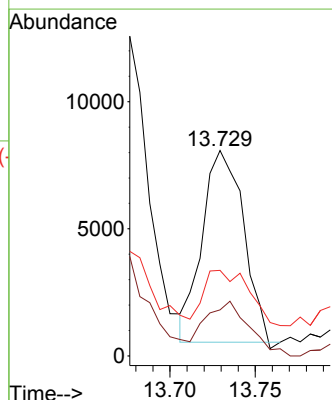
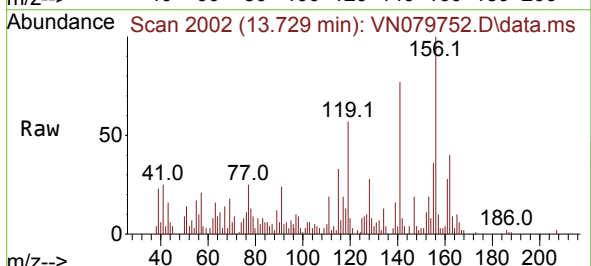
Tgt Ion:119 Resp: 12681

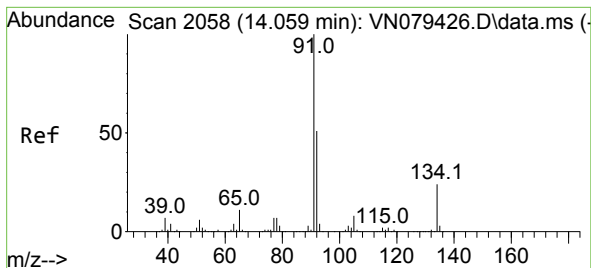
Ion Ratio Lower Upper

119 100

134 30.2 12.6 37.8

91 35.4 12.4 37.2





#89

n-Butylbenzene

Concen: 0.762 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA\_N

ClientSampleId :

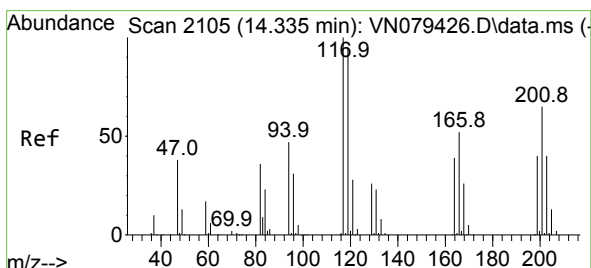
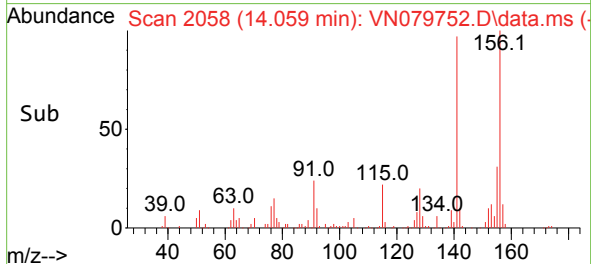
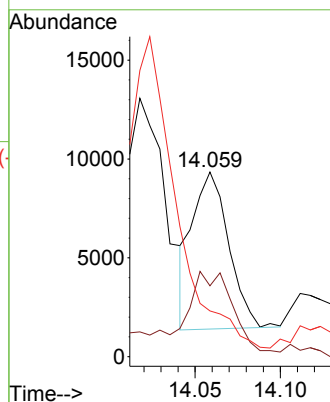
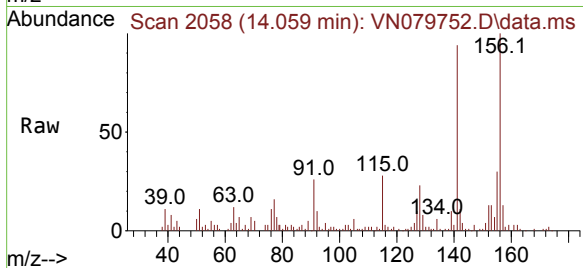
Tgt Ion: 91 Resp: 11779

Ion Ratio Lower Upper

91 100

92 58.7 26.4 79.0

134 0.0 12.6 37.6#



#90

Hexachloroethane

Concen: 1.636 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN079752.D

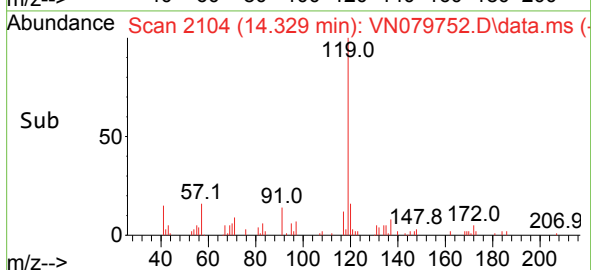
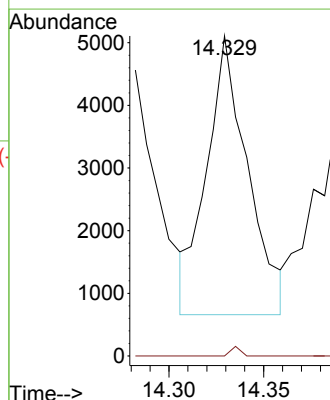
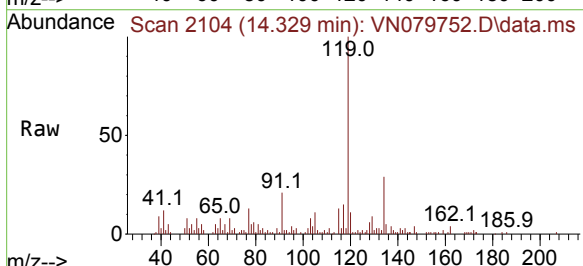
Acq: 31 Oct 2023 18:31

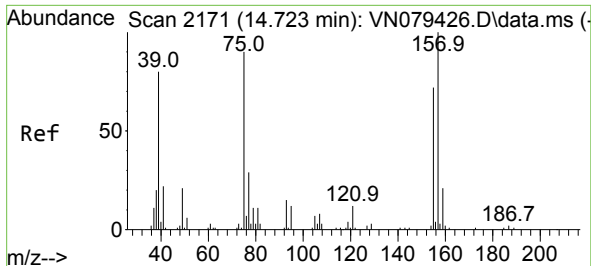
Tgt Ion: 117 Resp: 6723

Ion Ratio Lower Upper

117 100

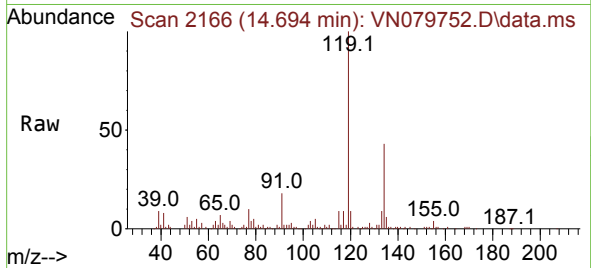
201 0.8 29.3 88.0#



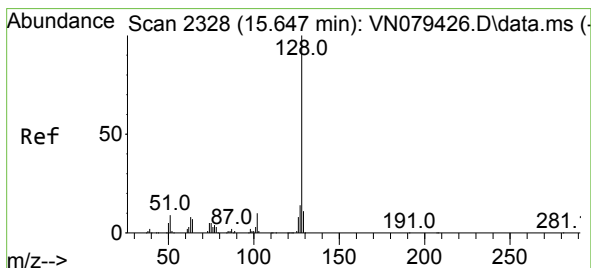
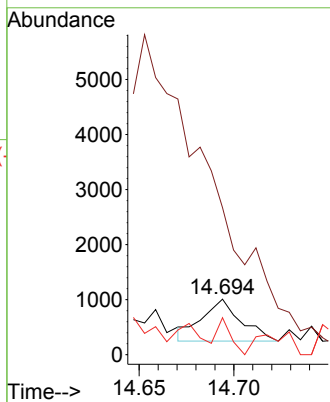
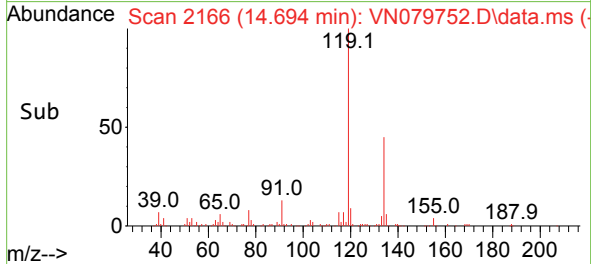


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.763 ug/l  
RT: 14.694 min Scan# 2166  
Delta R.T. -0.029 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 75 Resp: 1092  
Ion Ratio Lower Upper  
75 100  
155 0.0 39.1 117.2#  
157 0.0 50.3 150.9#



#95  
Naphthalene  
Concen: 490.785 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. -0.006 min  
Lab File: VN079752.D  
Acq: 31 Oct 2023 18:31

Tgt Ion:128 Resp: 4307158  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.0 15.0  
129 11.0 8.7 13.1

