

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101123\  
 Data File : VN079514.D  
 Acq On : 11 Oct 2023 14:00  
 Operator : JC\MD  
 Sample : 04813-07DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 12 06:08:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.229  | 168  | 276396   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 540654   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 529617   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 205903   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 218468   | 48.748   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.500%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 193678   | 49.848   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 99.700%  |
| 50) Toluene-d8              | 10.571 | 98    | 661805   | 47.076   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 94.160%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 236803   | 52.488   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 104.980% |

|                               |        |     |        |           |        |     |
|-------------------------------|--------|-----|--------|-----------|--------|-----|
| Target Compounds              |        |     |        | Qvalue    |        |     |
| 5) Bromomethane               | 2.971  | 94  | 1216   | 0.395     | ug/l # | 57  |
| 11) Tert butyl alcohol        | 5.518  | 59  | 881    | 1.306     | ug/l # | 72  |
| 13) Acrolein                  | 4.189  | 56  | 199    | 0.296     | ug/l # | 59  |
| 16) Acetone                   | 4.436  | 43  | 21920  | 12.332    | ug/l # | 83  |
| 20) Methylene Chloride        | 5.277  | 84  | 5344   | 0.780     | ug/l # | 82  |
| 25) 2-Butanone                | 7.500  | 43  | 4679   | 1.774     | ug/l   | 88  |
| 29) Tetrahydrofuran           | 7.859  | 42  | 377    | 0.221     | ug/l # | 20  |
| 31) Cyclohexane               | 8.235  | 56  | 10579  | 1.664     | ug/l # | 52  |
| 36) 1,1-Dichloropropene       | 8.229  | 75  | 25048  | 4.295     | ug/l # | 48  |
| 38) Carbon Tetrachloride      | 8.229  | 117 | 31245  | 5.352     | ug/l # | 15  |
| 39) Methylcyclohexane         | 9.594  | 83  | 1844   | 0.329     | ug/l # | 77  |
| 40) Benzene                   | 8.612  | 78  | 564394 | 32.590    | ug/l   | 100 |
| 43) Isopropyl Acetate         | 8.694  | 43  | 52274  | 5.142     | ug/l # | 74  |
| 48) Methyl methacrylate       | 9.671  | 41  | 1995   | 0.458     | ug/l # | 21  |
| 49) 1,4-Dioxane               | 9.700  | 88  | 72     | 0.897     | ug/l # | 1   |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43  | 154181 | 26.868    | ug/l   | 88  |
| 52) Toluene                   | 10.635 | 92  | 307146 | 30.130    | ug/l   | 98  |
| 54) cis-1,3-Dichloropropene   | 10.359 | 75  | 11526  | 1.719     | ug/l # | 73  |
| 55) 1,1,2-Trichloroethane     | 10.888 | 97  | 1655   | 0.404     | ug/l # | 16  |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63  | 1200   | 0.557     | ug/l   | 92  |
| 59) 2-Hexanone                | 11.176 | 43  | 25604  | 6.183     | ug/l # | 19  |
| 67) Ethyl Benzene             | 11.965 | 91  | 47370  | 2.311     | ug/l   | 90  |
| 68) m/p-Xylenes               | 12.070 | 106 | 84324  | 11.321    | ug/l   | 93  |
| 69) o-Xylene                  | 12.400 | 106 | 60601  | 8.273     | ug/l   | 89  |
| 70) Styrene                   | 12.412 | 104 | 12388  | 1.071     | ug/l # | 18  |
| 73) Isopropylbenzene          | 12.700 | 105 | 4267   | 0.223     | ug/l   | 97  |
| 74) N-amyl acetate            | 12.500 | 43  | 1627   | 0.207     | ug/l # | 71  |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83  | 714    | Below Cal | #      | 45  |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75  | 132073 | 22.247    | ug/l # | 1   |
| 78) n-propylbenzene           | 13.041 | 91  | 6131   | 0.283     | ug/l   | 95  |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105 | 19060  | 1.262     | ug/l   | 94  |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75  | 132073 | 64.550    | ug/l # | 15  |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105 | 43028  | 2.985     | ug/l   | 96  |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146 | 1804   | 0.242     | ug/l   | 98  |
| 88) 1,4-Dichlorobenzene       | 13.735 | 146 | 1804   | 0.235     | ug/l   | 96  |
| 89) n-Butylbenzene            | 14.059 | 91  | 3442   | 0.325     | ug/l   | 91  |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 12 06:08:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

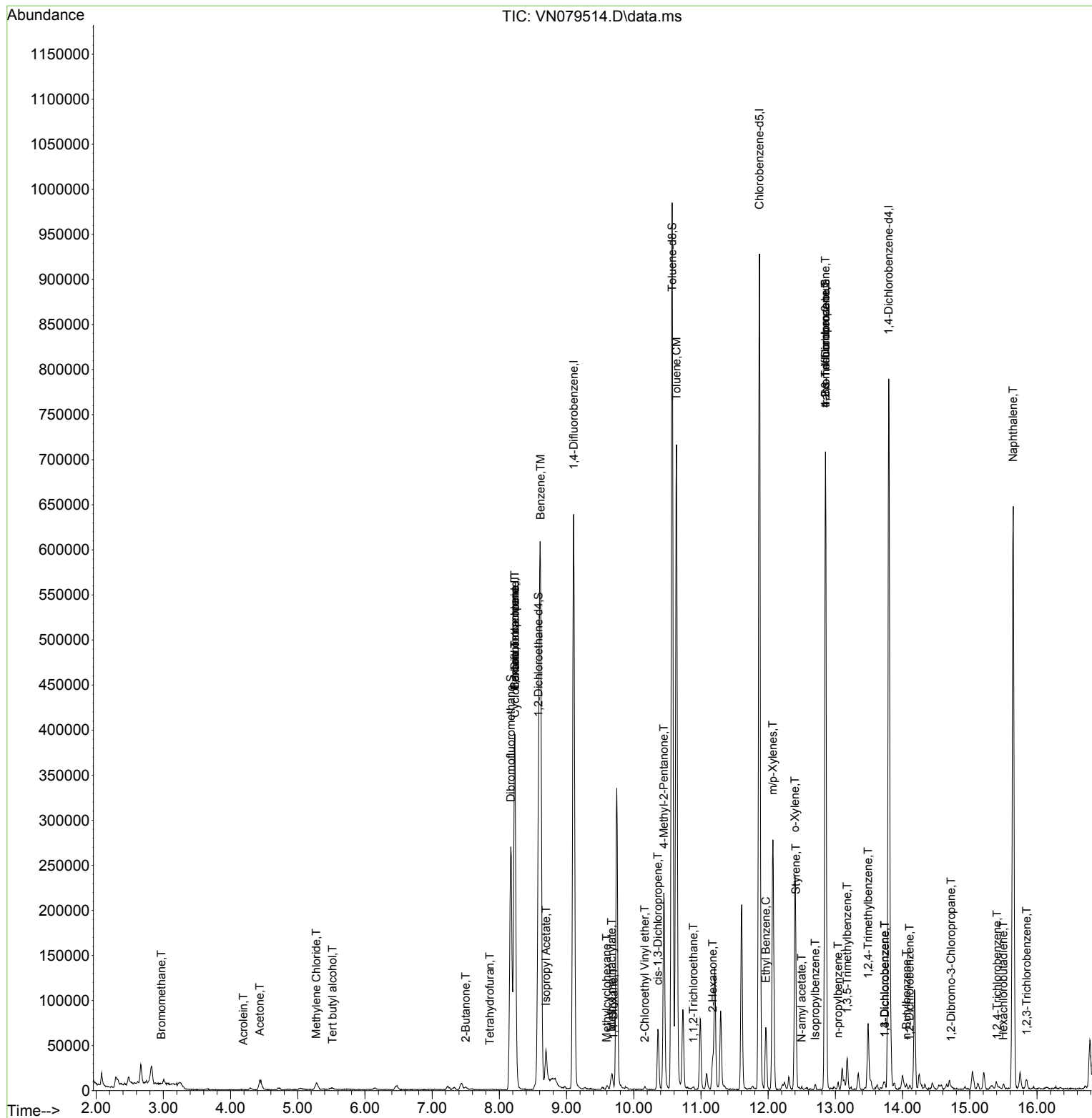
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| 90) Hexachloroethane          | 14.329 | 117  | 398      | Below Cal | #      | 21       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 1649     | 0.227     | ug/l   | 89       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 250      | 0.226     | ug/l # | 54       |
| 93) 1,2,4-Trichlorobenzene    | 15.406 | 180  | 2810     | 1.249     | ug/l   | 84       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 794      | 0.453     | ug/l   | 83       |
| 95) Naphthalene               | 15.647 | 128  | 564398   | 82.124    | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 3962     | 1.475     | ug/l   | 91       |

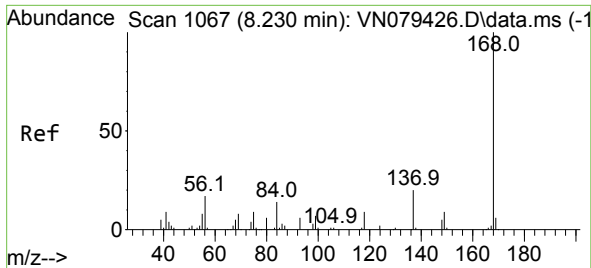
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 06 03:34:49 2023  
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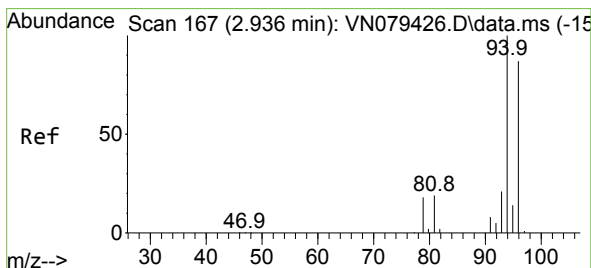
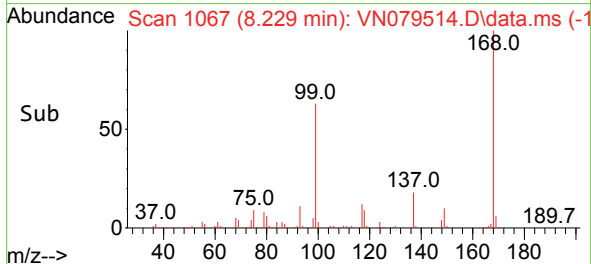
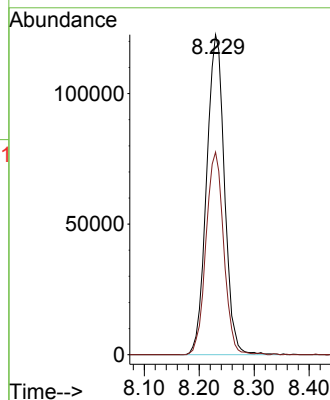
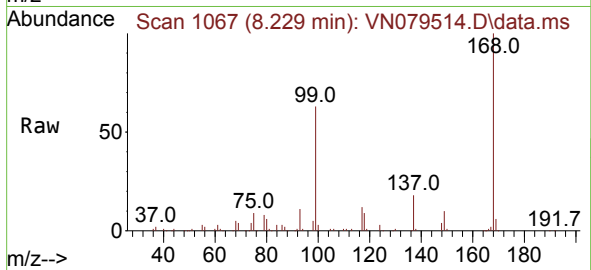




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

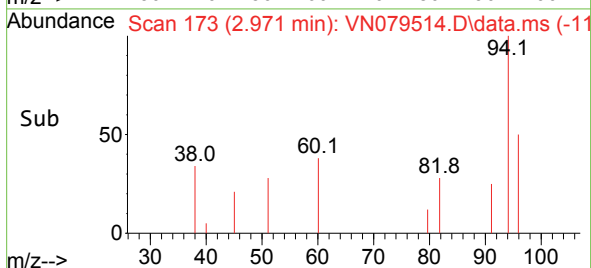
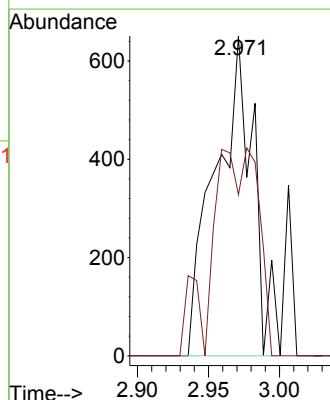
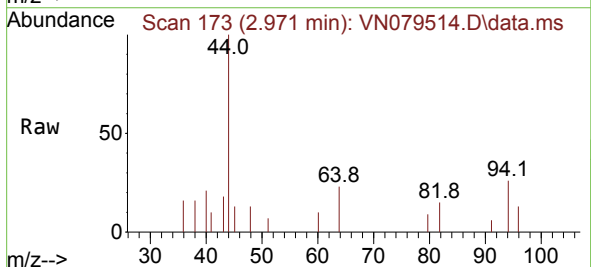
Instrument :  
MSVOA\_N  
ClientSampleId :

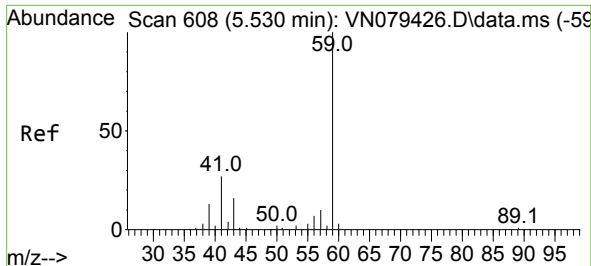
Tgt Ion:168 Resp: 276396  
Ion Ratio Lower Upper  
168 100  
99 63.3 53.0 79.6



#5  
Bromomethane  
Concen: 0.395 ug/l  
RT: 2.971 min Scan# 173  
Delta R.T. 0.035 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

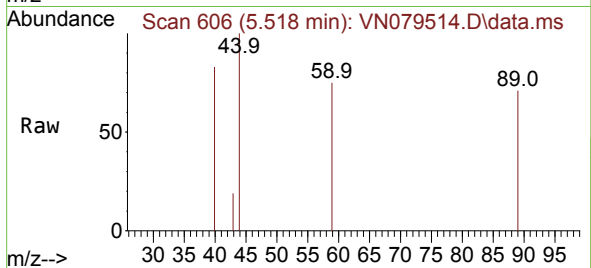
Tgt Ion: 94 Resp: 1216  
Ion Ratio Lower Upper  
94 100  
96 50.4 73.1 109.7#



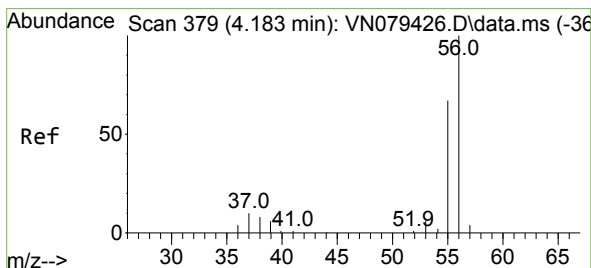
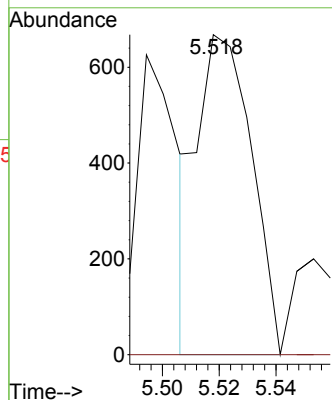
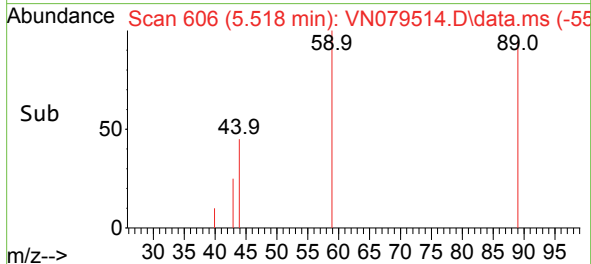


#11  
Tert butyl alcohol  
Concen: 1.306 ug/l  
RT: 5.518 min Scan# 608  
Delta R.T. -0.012 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

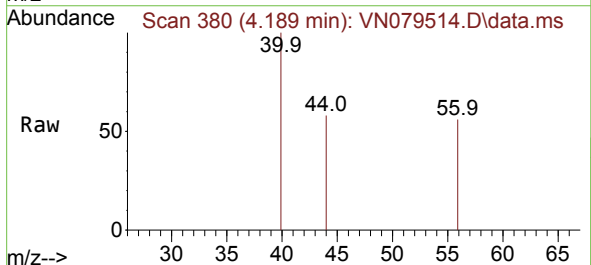
Instrument :  
MSVOA\_N  
ClientSampleId :



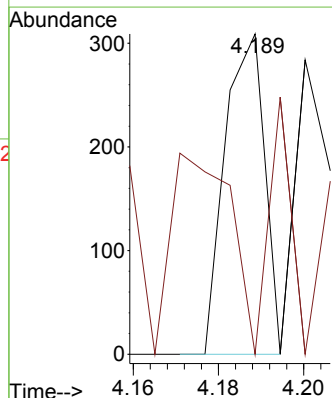
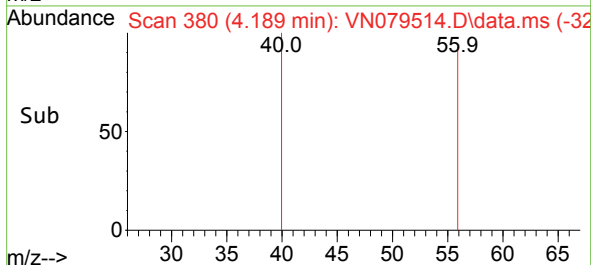
Tgt Ion: 59 Resp: 881  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

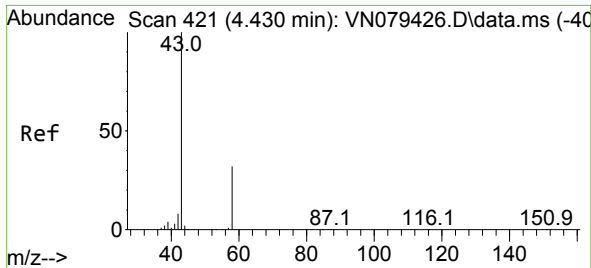


#13  
Acrolein  
Concen: 0.296 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. 0.006 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00



Tgt Ion: 56 Resp: 199  
Ion Ratio Lower Upper  
56 100  
55 101.0 54.5 81.7#





#16

Acetone

Concen: 12.332 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

Instrument :

MSVOA\_N

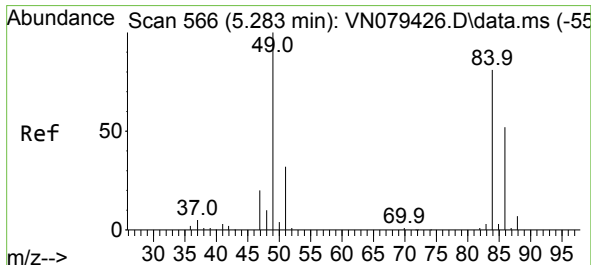
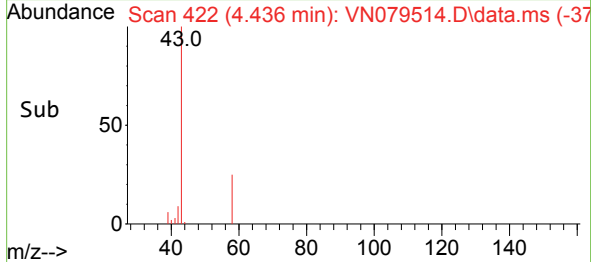
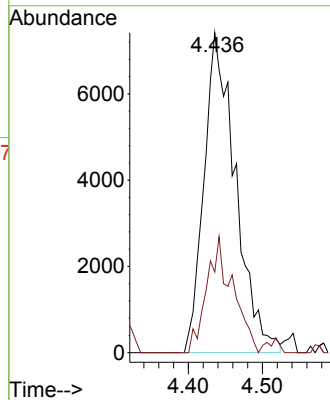
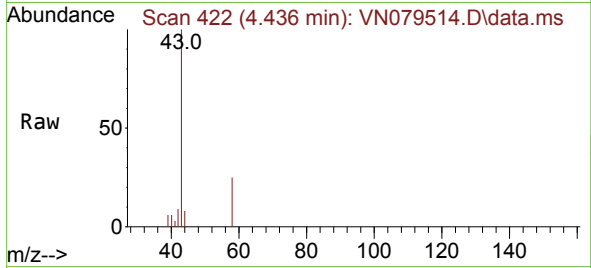
ClientSampleId :

Tgt Ion: 43 Resp: 21920

Ion Ratio Lower Upper

43 100

58 25.2 28.0 42.0#



#20

Methylene Chloride

Concen: 0.780 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

Tgt Ion: 84 Resp: 5344

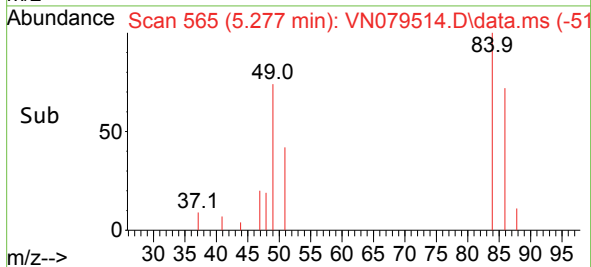
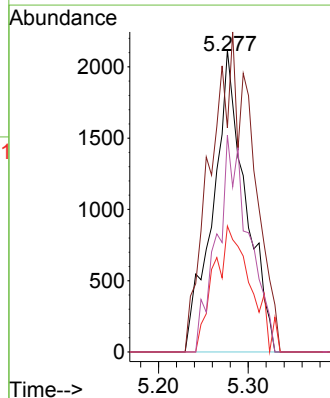
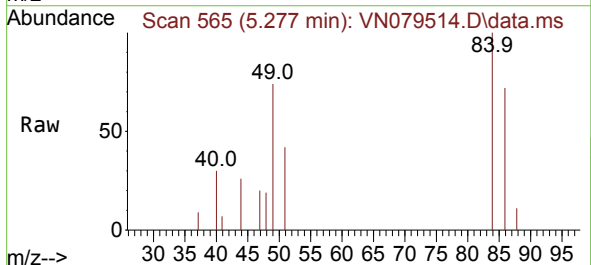
Ion Ratio Lower Upper

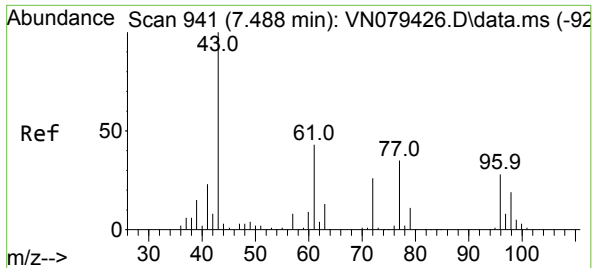
84 100

49 74.2 79.7 119.5#

51 41.7 25.2 37.8#

86 71.8 53.3 79.9

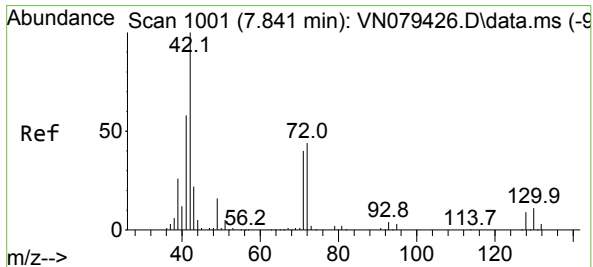
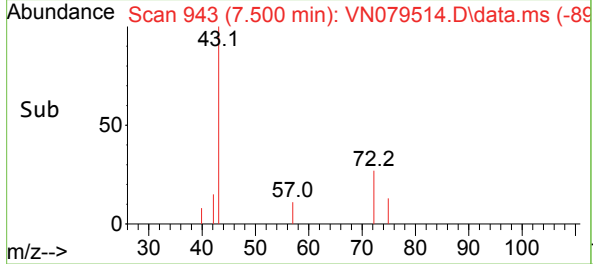
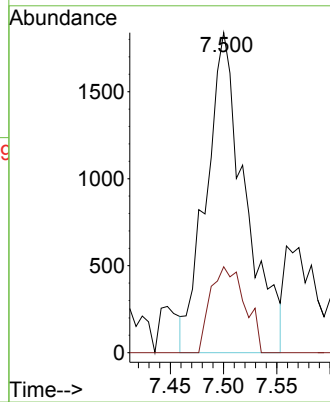
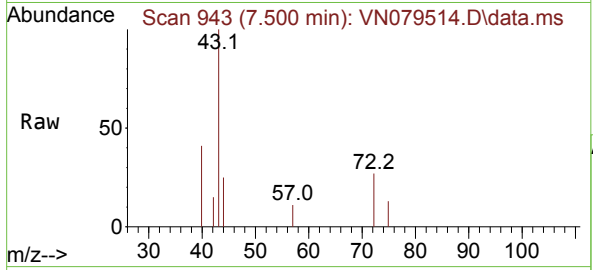




#25  
2-Butanone  
Concen: 1.774 ug/l  
RT: 7.500 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

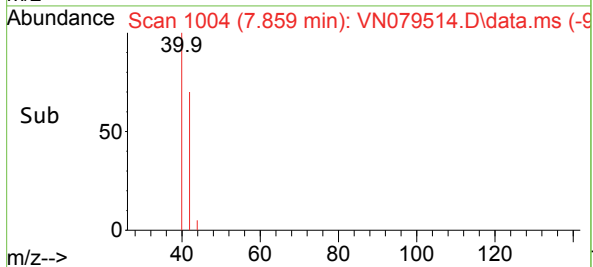
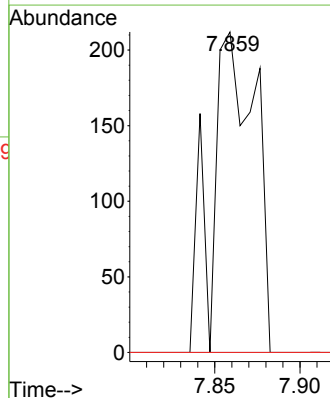
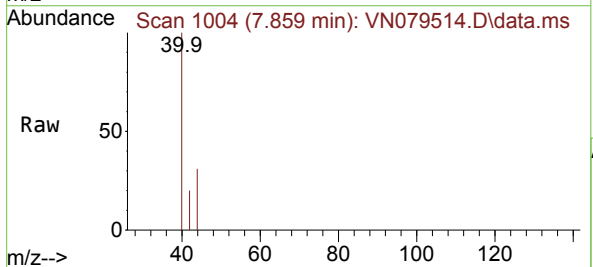
Instrument :  
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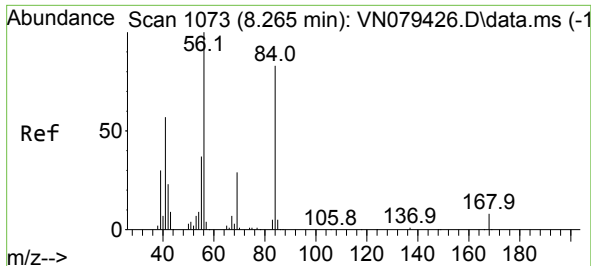
Tgt Ion: 43 Resp: 4679  
Ion Ratio Lower Upper  
43 100  
72 30.3 30.2 45.2



#29  
Tetrahydrofuran  
Concen: 0.221 ug/l  
RT: 7.859 min Scan# 1004  
Delta R.T. 0.018 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

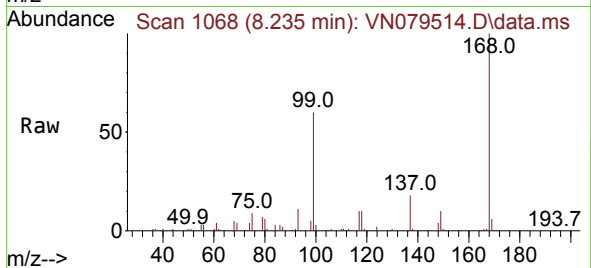
Tgt Ion: 42 Resp: 377  
Ion Ratio Lower Upper  
42 100  
72 0.0 49.8 74.6#  
71 0.0 47.4 71.2#



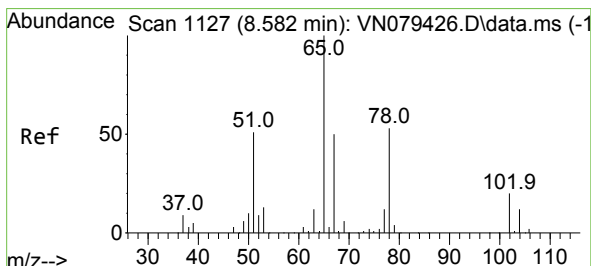
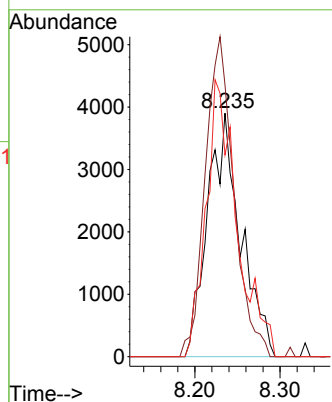
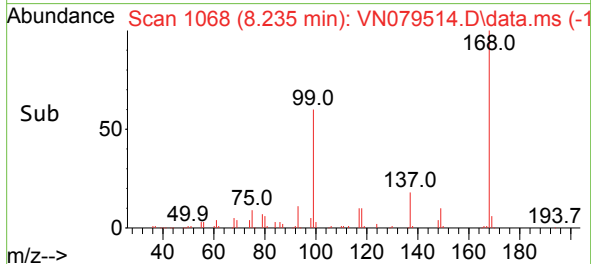


#31  
Cyclohexane  
Concen: 1.664 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. -0.029 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Instrument :  
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ClientSampleId :

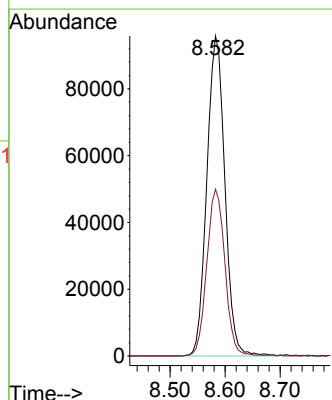
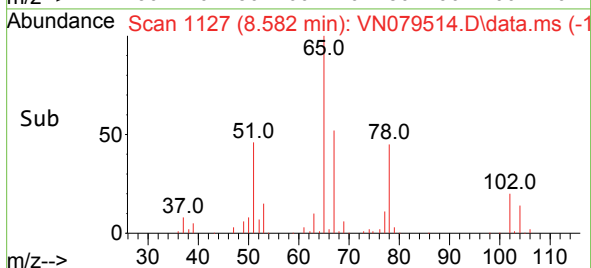
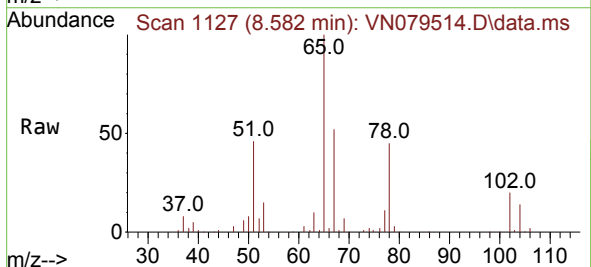


Tgt Ion: 56 Resp: 10579  
Ion Ratio Lower Upper  
56 100  
69 111.6 26.8 40.2#  
84 82.9 81.8 122.6

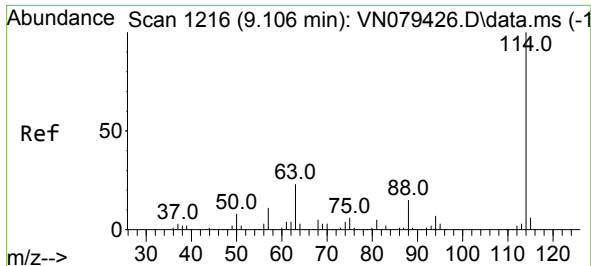


#33  
1,2-Dichloroethane-d4  
Concen: 48.748 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion: 65 Resp: 218468  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 106.6



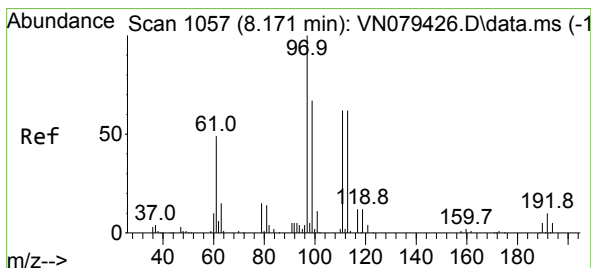
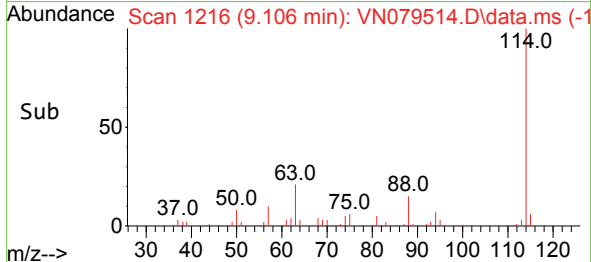
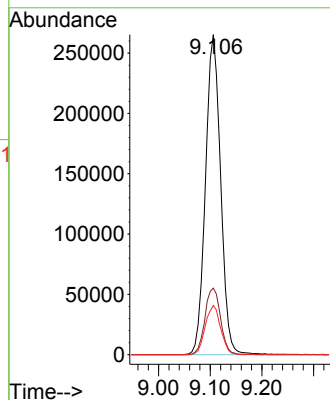
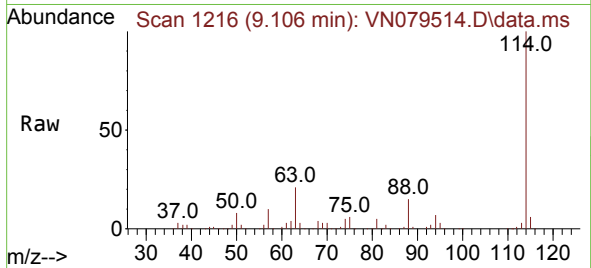




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

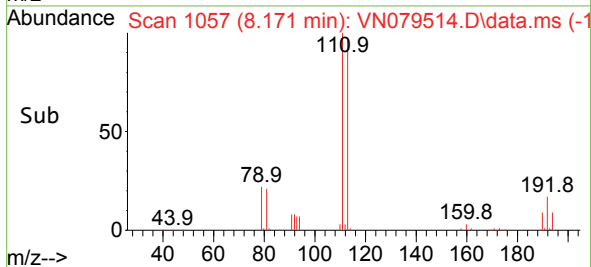
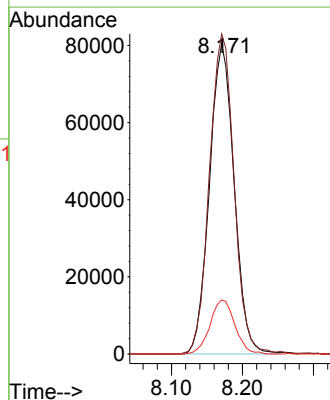
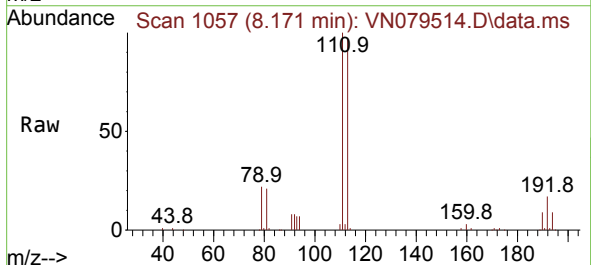
Instrument :  
MSVOA\_N  
ClientSampleId :

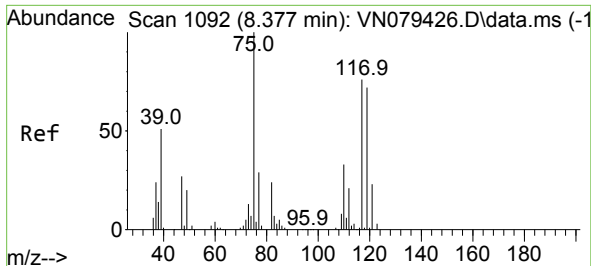
Tgt Ion:114 Resp: 540654  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 36.4  
88 15.4 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.848 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion:113 Resp: 193678  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.6 123.8  
192 17.6 12.7 19.1

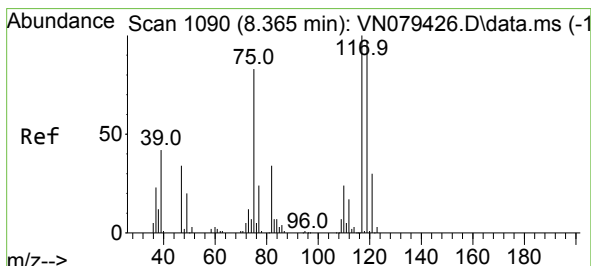
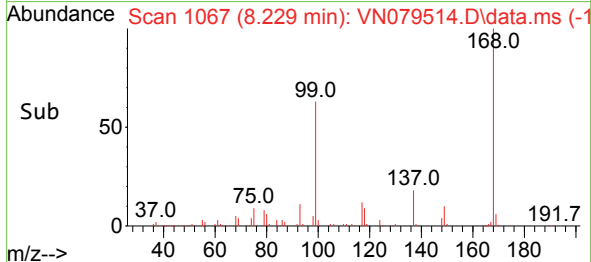
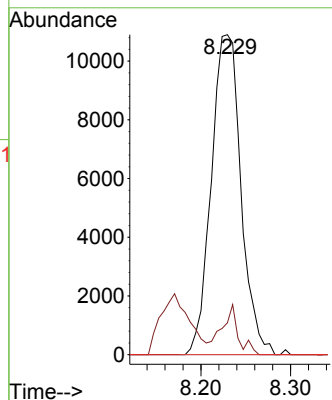
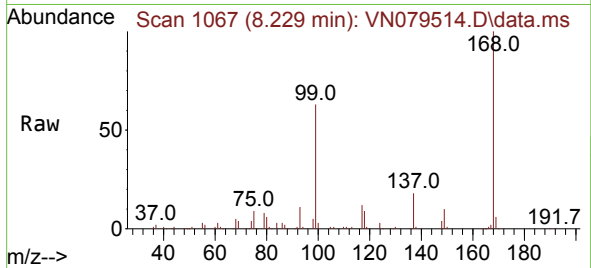




#36  
1,1-Dichloropropene  
Concen: 4.295 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.147 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

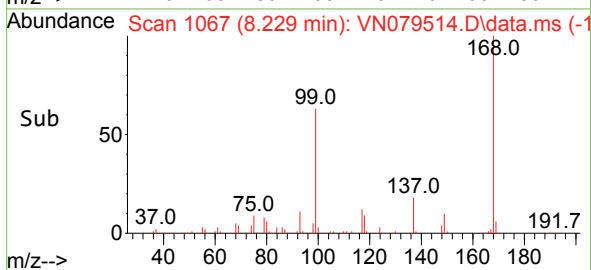
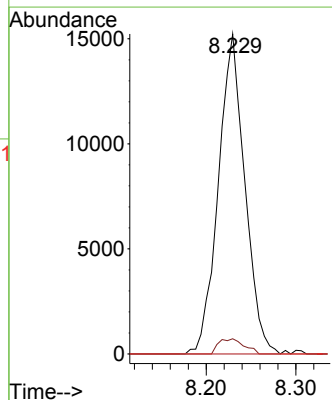
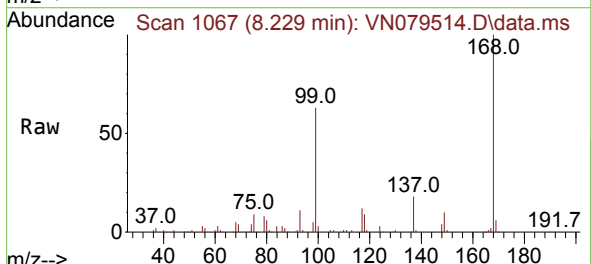
Instrument :  
MSVOA\_N  
ClientSampleId :

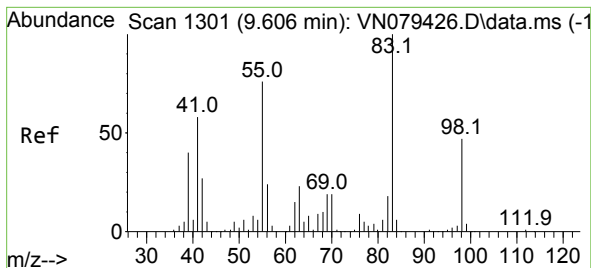
Tgt Ion: 75 Resp: 25048  
Ion Ratio Lower Upper  
75 100  
110 8.9 19.1 57.3#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.352 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.135 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion: 117 Resp: 31245  
Ion Ratio Lower Upper  
117 100  
119 4.8 77.3 115.9#  
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.329 ug/l

RT: 9.594 min Scan# 1129

Delta R.T. -0.012 min

Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

Instrument :

MSVOA\_N

ClientSampleId :

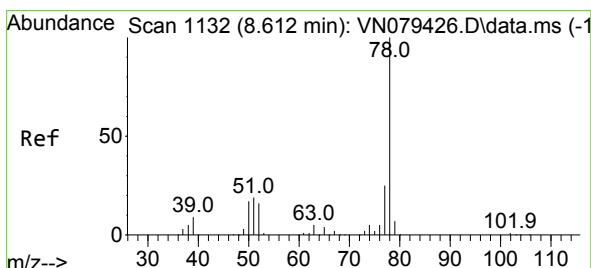
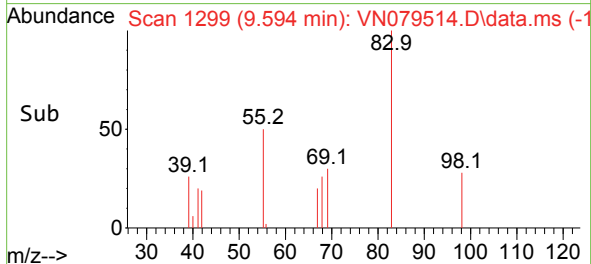
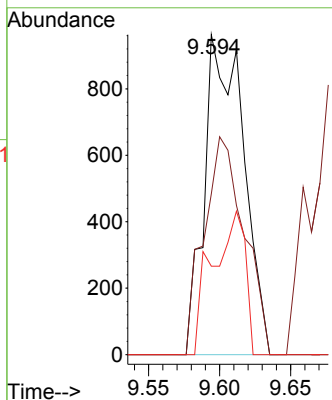
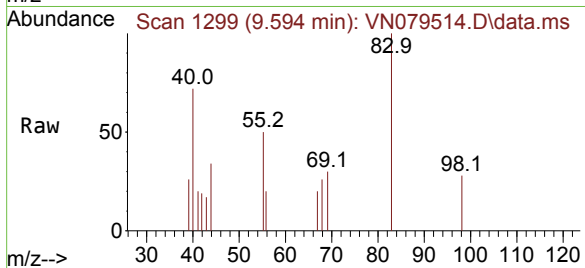
Tgt Ion: 83 Resp: 1844

Ion Ratio Lower Upper

83 100

55 50.3 49.1 73.7

98 27.6 40.6 61.0#



#40

Benzene

Concen: 32.590 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079514.D

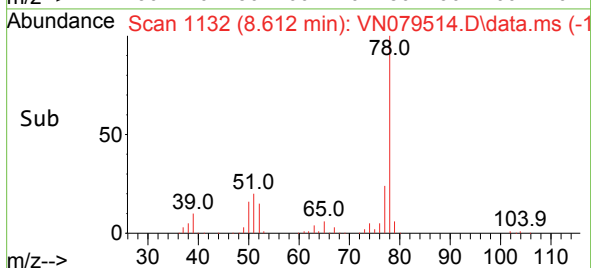
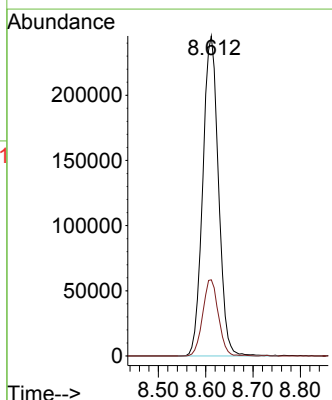
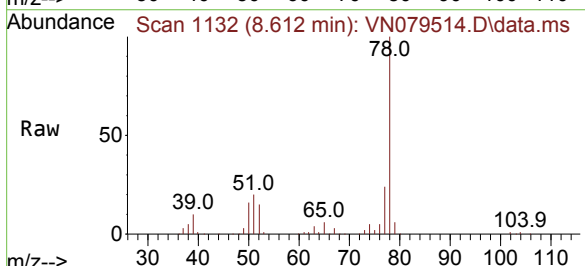
Acq: 11 Oct 2023 14:00

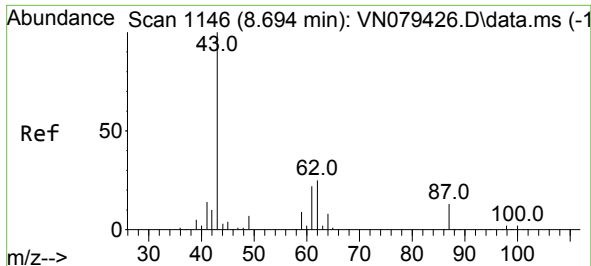
Tgt Ion: 78 Resp: 564394

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

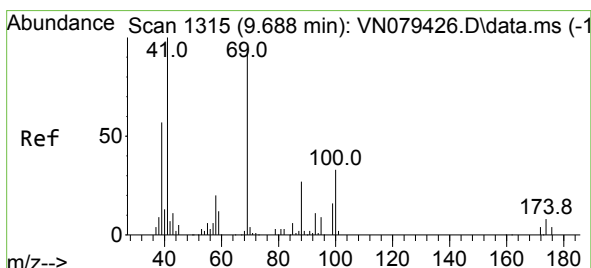
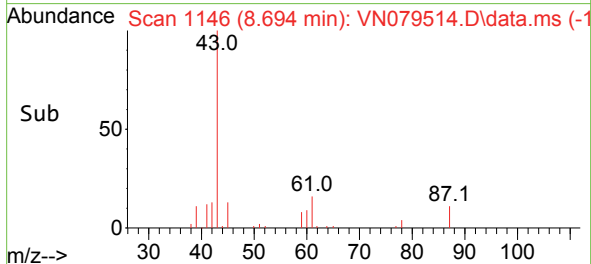
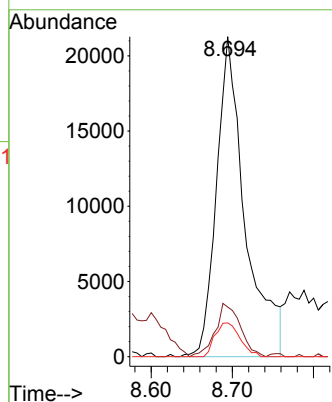
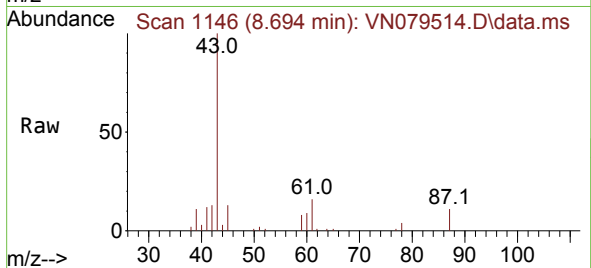




#43  
Isopropyl Acetate  
Concen: 5.142 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

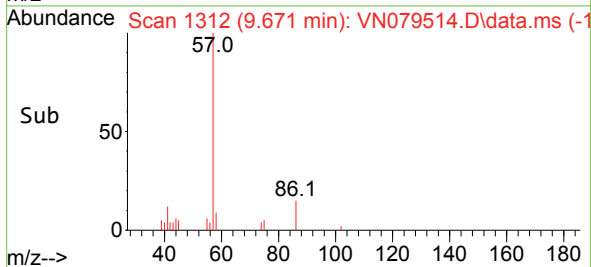
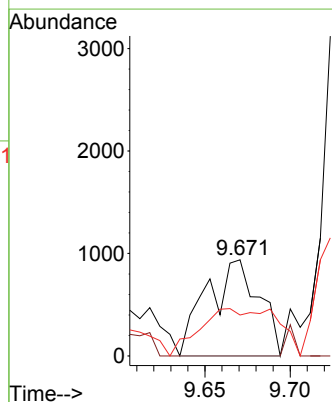
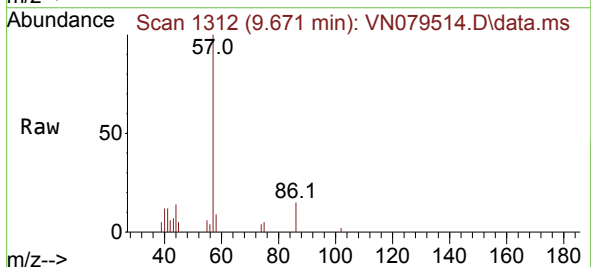
Instrument :  
MSVOA\_N  
ClientSampleId :

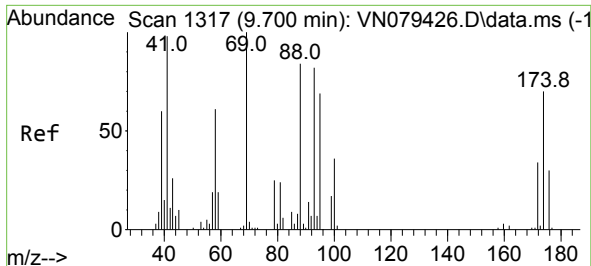
Tgt Ion: 43 Resp: 52274  
Ion Ratio Lower Upper  
43 100  
61 14.4 24.7 37.1#  
87 9.2 14.6 21.8#



#48  
Methyl methacrylate  
Concen: 0.458 ug/l  
RT: 9.671 min Scan# 1312  
Delta R.T. -0.018 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion: 41 Resp: 1995  
Ion Ratio Lower Upper  
41 100  
69 0.0 90.4 135.6#  
39 40.2 54.6 81.8#





#49

1,4-Dioxane

Concen: 0.897 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

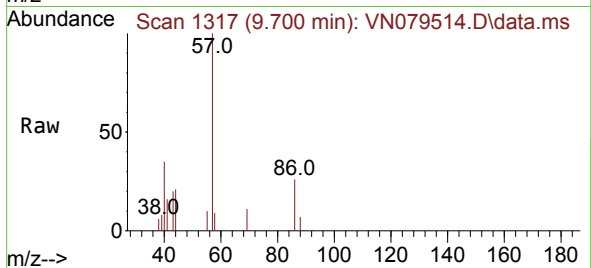
Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

Instrument :

MSVOA\_N

ClientSampleId :



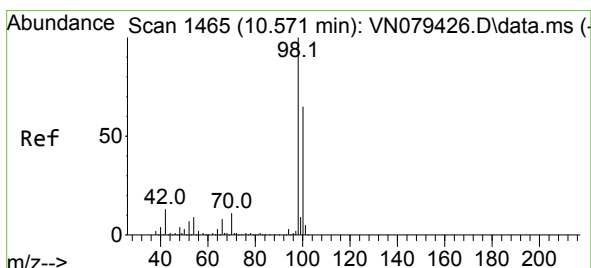
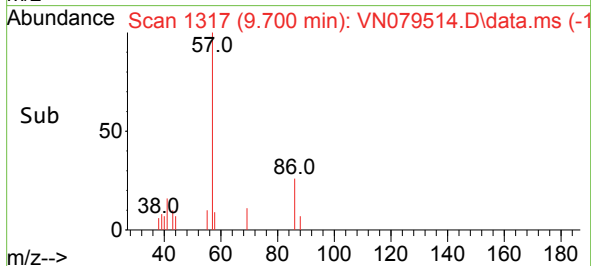
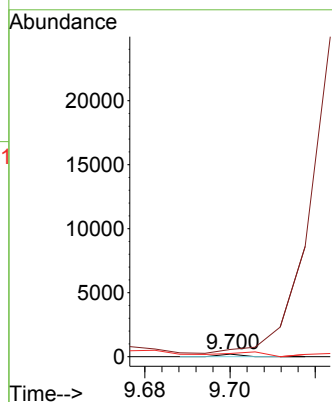
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 301.4 47.0 70.4#



#50

Toluene-d8

Concen: 47.076 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079514.D

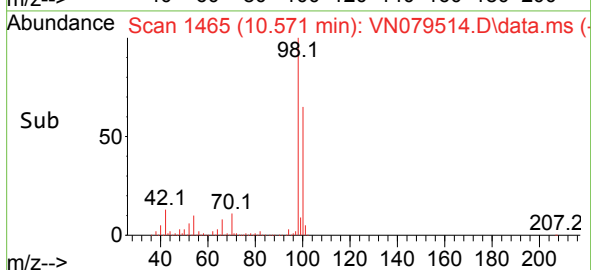
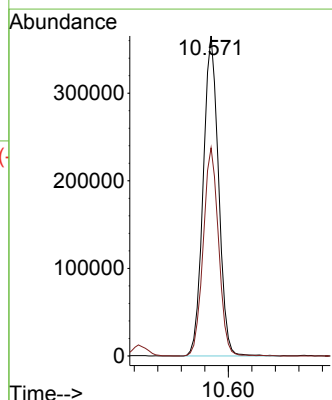
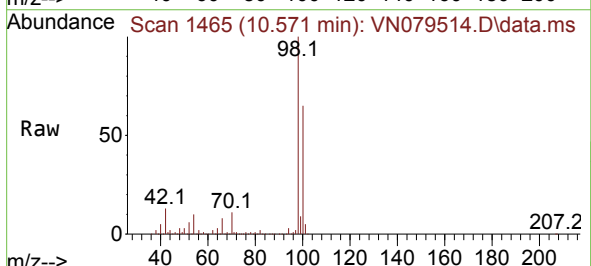
Acq: 11 Oct 2023 14:00

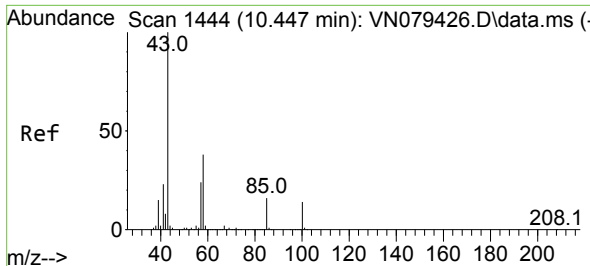
Tgt Ion: 98 Resp: 661805

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0

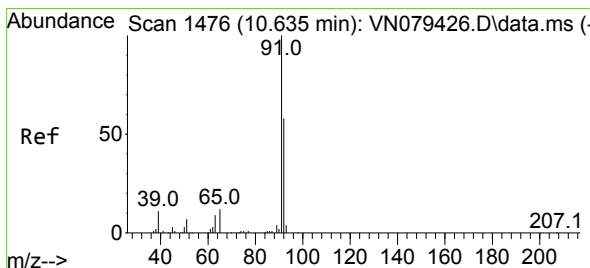
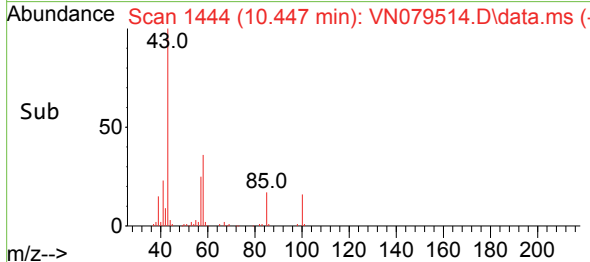
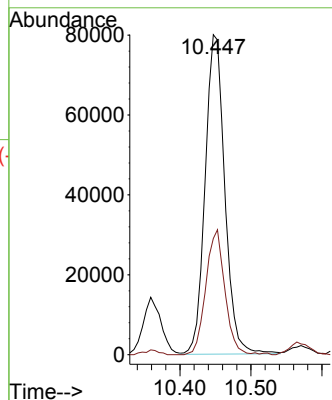
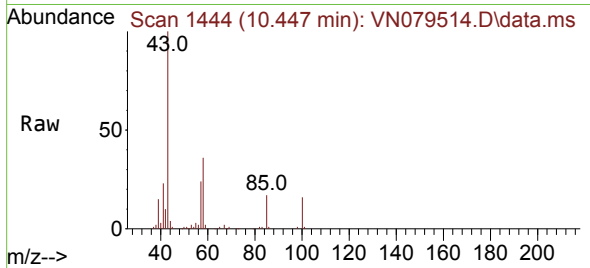




#51  
4-Methyl-2-Pentanone  
Concen: 26.868 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

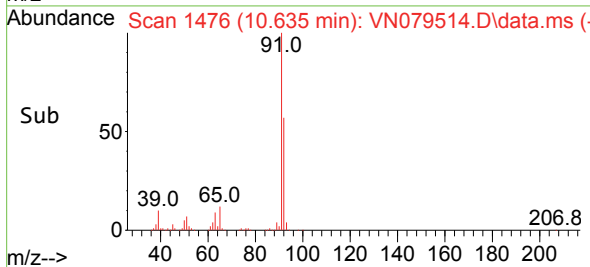
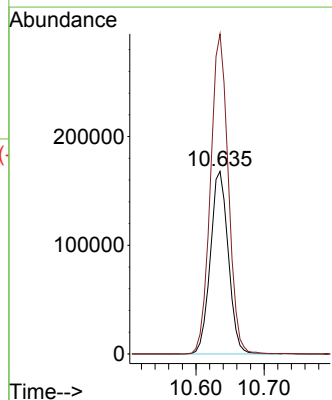
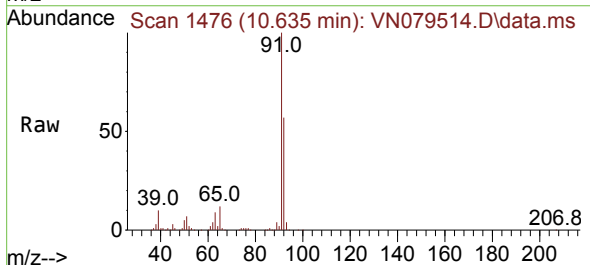
Instrument :  
MSVOA\_N  
ClientSampleId :

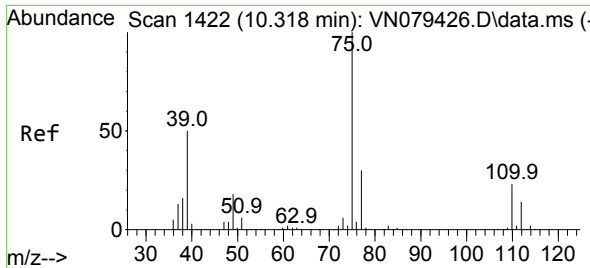
Tgt Ion: 43 Resp: 154181  
Ion Ratio Lower Upper  
43 100  
58 38.0 36.6 54.8



#52  
Toluene  
Concen: 30.130 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion: 92 Resp: 307146  
Ion Ratio Lower Upper  
92 100  
91 174.2 137.4 206.0

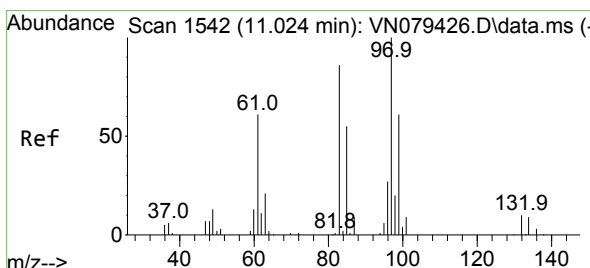
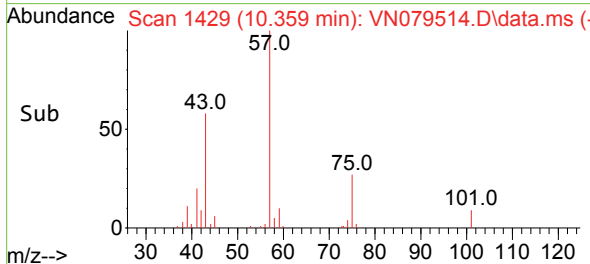
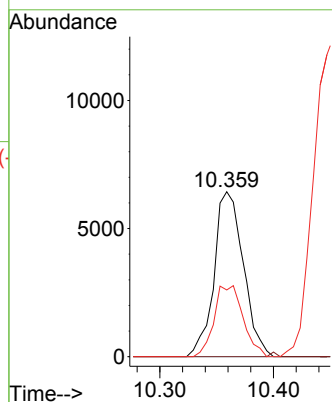
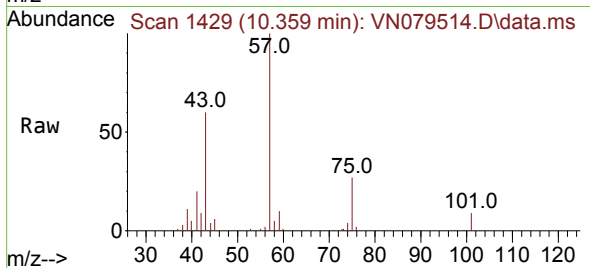




#54  
 cis-1,3-Dichloropropene  
 Concen: 1.719 ug/l  
 RT: 10.359 min Scan# 1429  
 Delta R.T. 0.041 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00

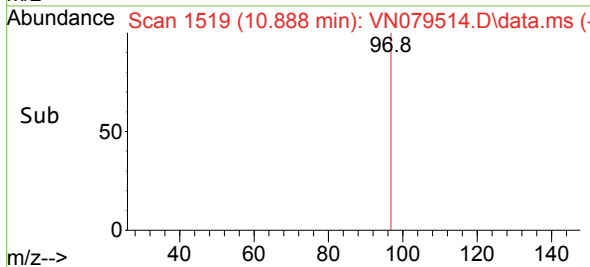
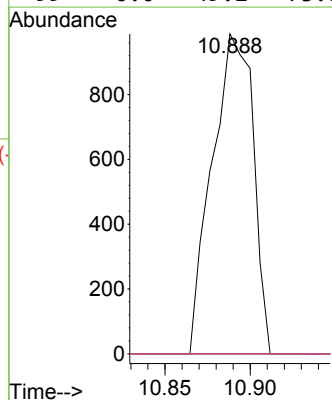
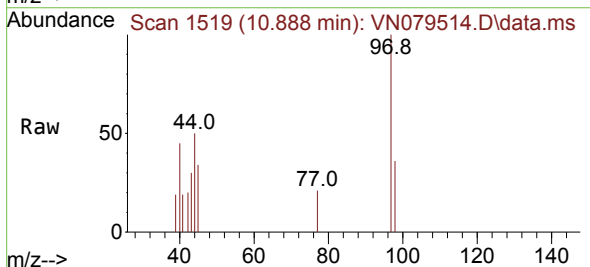
Instrument :  
 MSVOA\_N  
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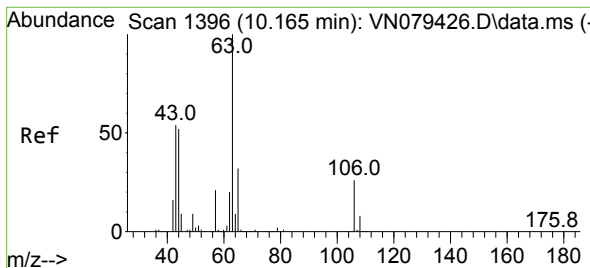
Tgt Ion: 75 Resp: 11526  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 26.1 39.1#  
 39 40.5 31.6 47.4



#55  
 1,1,2-Trichloroethane  
 Concen: 0.404 ug/l  
 RT: 10.888 min Scan# 1519  
 Delta R.T. -0.135 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00

Tgt Ion: 97 Resp: 1655  
 Ion Ratio Lower Upper  
 97 100  
 83 0.0 65.1 97.7#  
 85 0.0 43.4 65.2#  
 99 0.0 49.2 73.8#

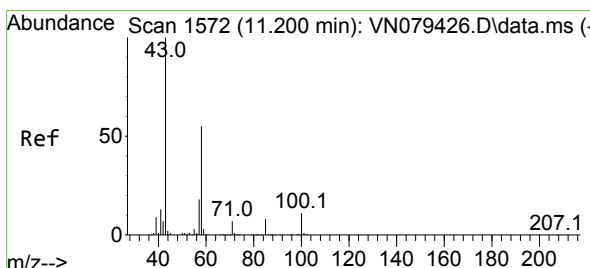
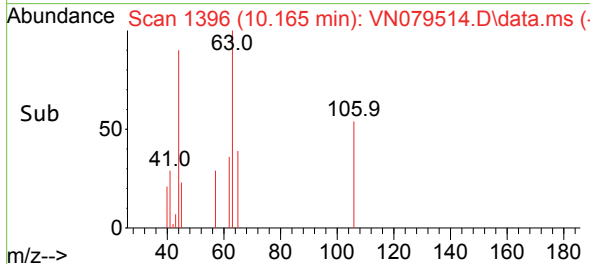
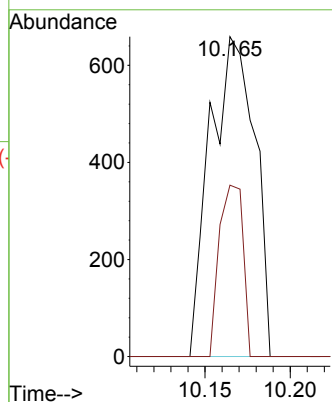
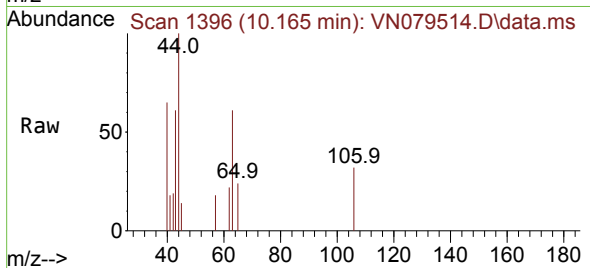




#58  
2-Chloroethyl Vinyl ether  
Concen: 0.557 ug/l  
RT: 10.165 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

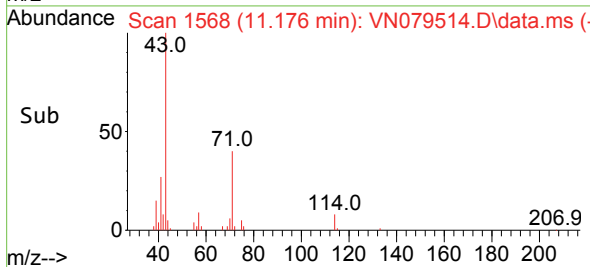
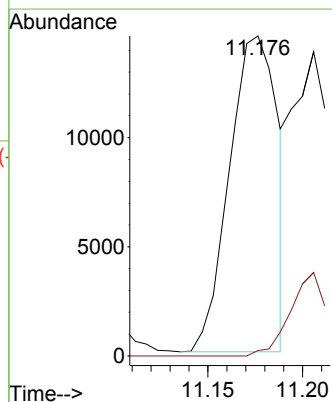
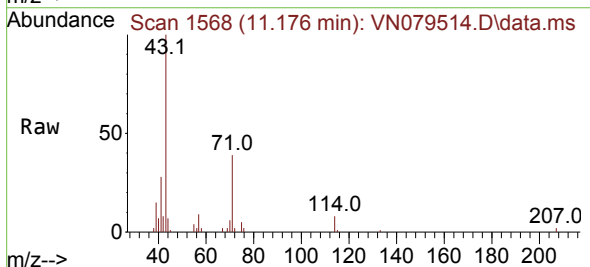
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 63 Resp: 1200  
Ion Ratio Lower Upper  
63 100  
106 28.5 26.2 39.4

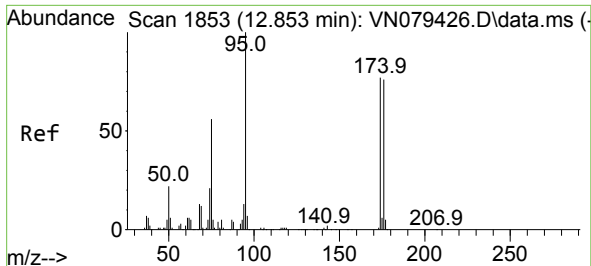


#59  
2-Hexanone  
Concen: 6.183 ug/l  
RT: 11.176 min Scan# 1568  
Delta R.T. -0.024 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion: 43 Resp: 25604  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 95.1#



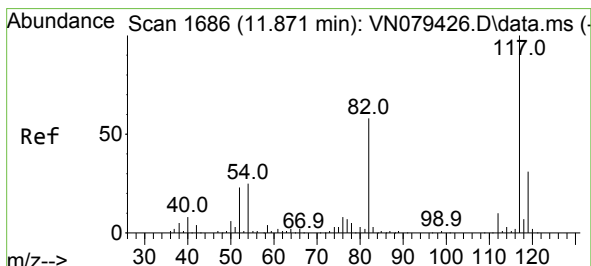
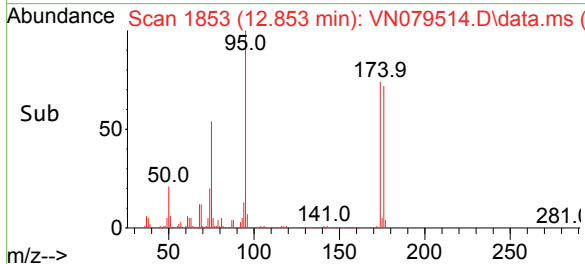
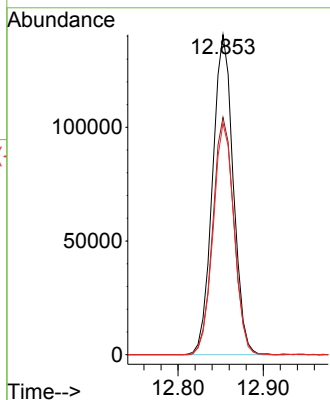
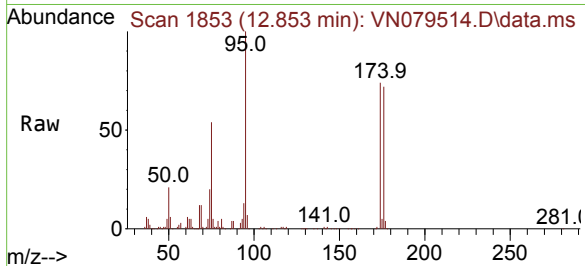




#62  
4-Bromofluorobenzene  
Concen: 52.488 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

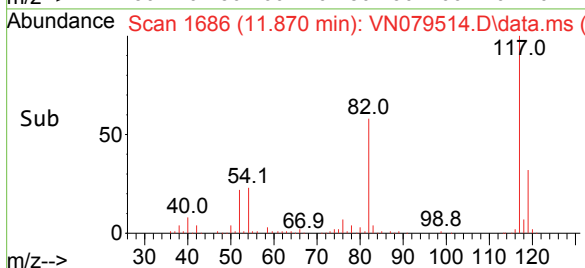
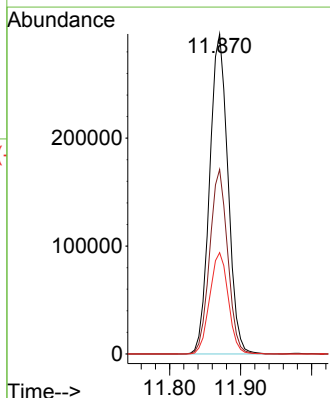
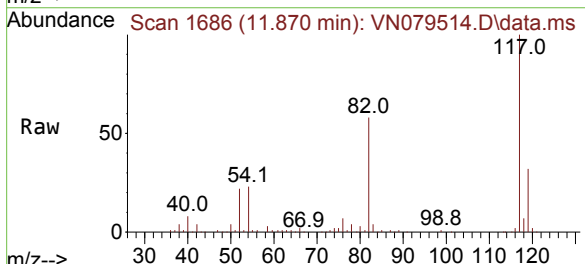
Instrument :  
MSVOA\_N  
ClientSampleId :

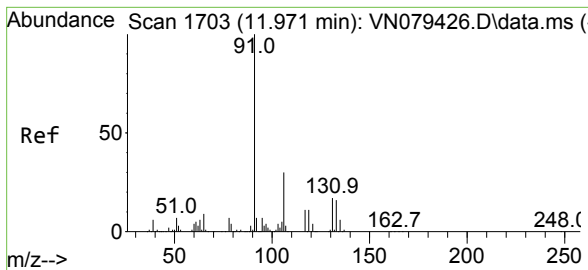
Tgt Ion: 95 Resp: 236803  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 143.8  
176 73.1 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion: 117 Resp: 529617  
Ion Ratio Lower Upper  
117 100  
82 57.7 44.0 66.0  
119 31.7 25.6 38.4

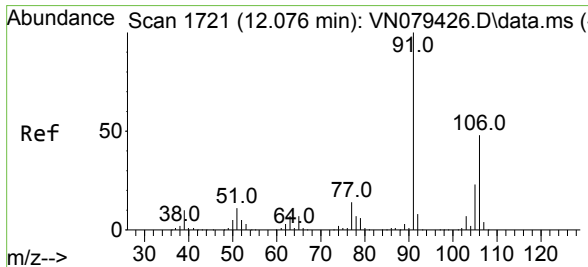
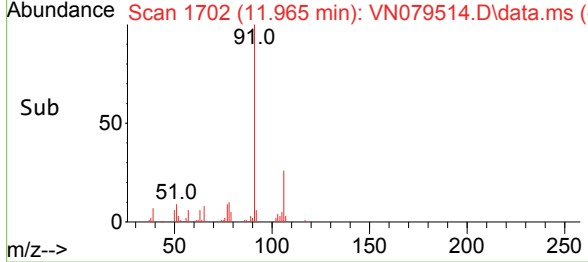
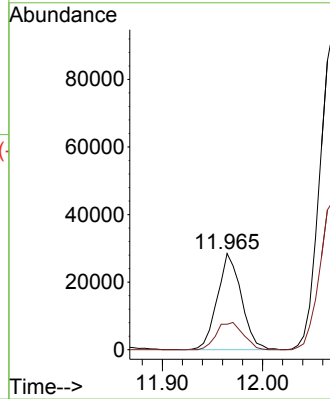
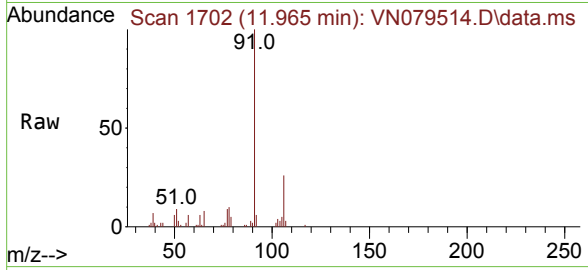




#67  
Ethyl Benzene  
Concen: 2.311 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.006 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

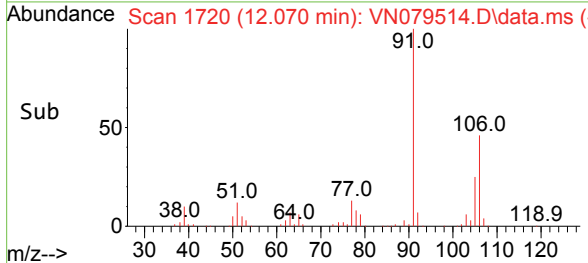
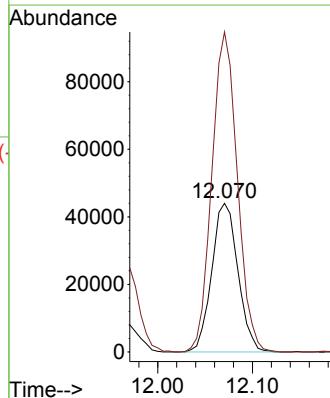
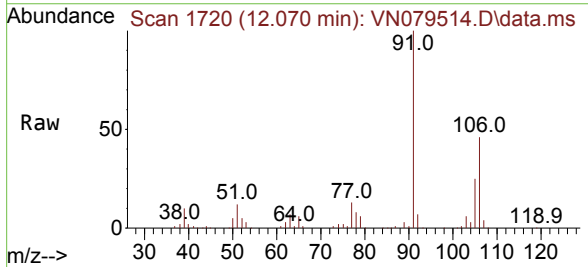
Instrument :  
MSVOA\_N  
ClientSampleId :

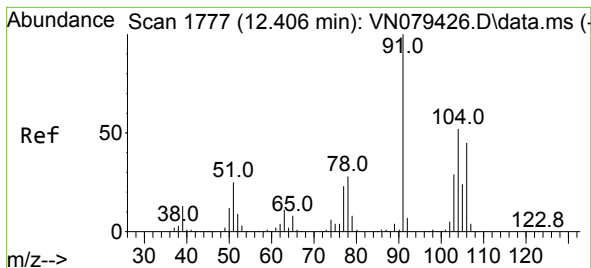
Tgt Ion: 91 Resp: 47370  
Ion Ratio Lower Upper  
91 100  
106 26.4 25.6 38.4



#68  
m/p-Xylenes  
Concen: 11.321 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.006 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion:106 Resp: 84324  
Ion Ratio Lower Upper  
106 100  
91 209.7 159.6 239.4





#69

o-Xylene

Concen: 8.273 ug/l

RT: 12.400 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

Instrument :

MSVOA\_N

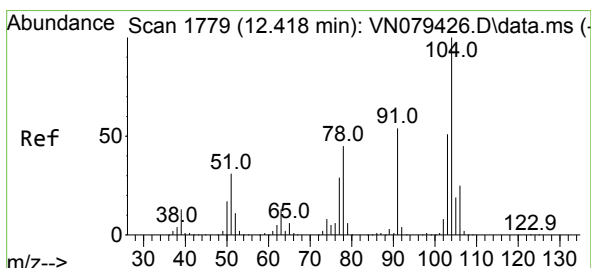
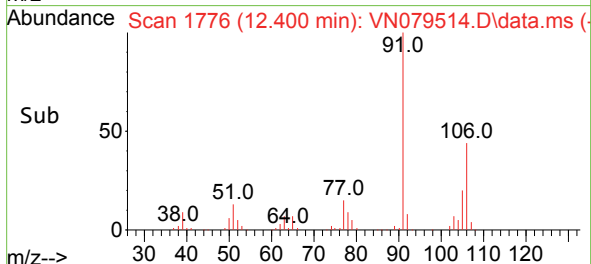
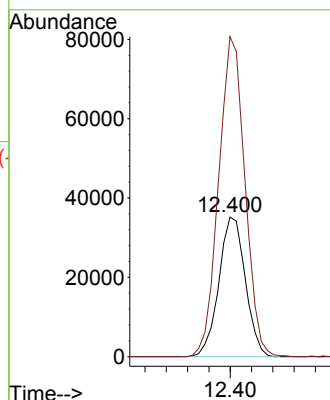
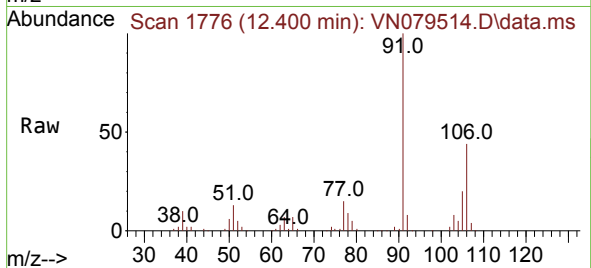
ClientSampleId :

Tgt Ion:106 Resp: 60601

Ion Ratio Lower Upper

106 100

91 227.7 105.2 315.5



#70

Styrene

Concen: 1.071 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.006 min

Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

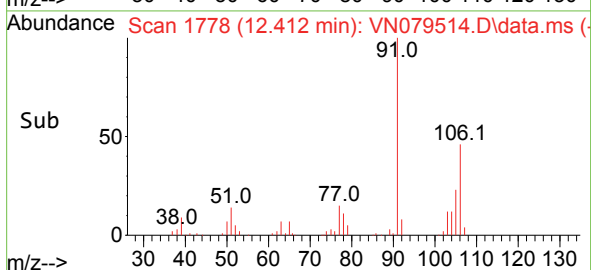
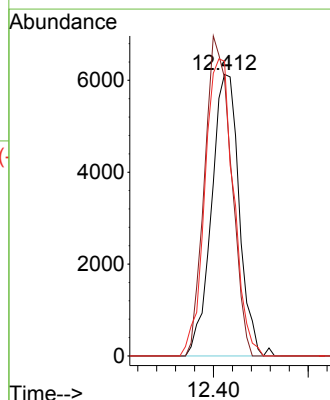
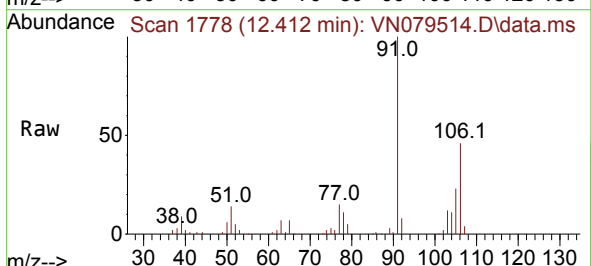
Tgt Ion:104 Resp: 12388

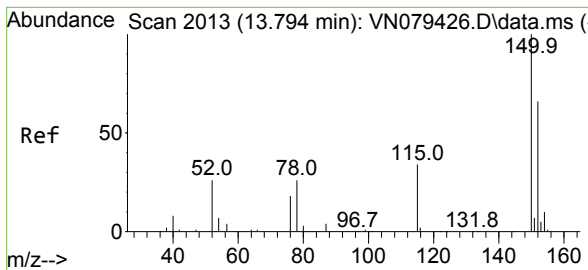
Ion Ratio Lower Upper

104 100

78 109.4 39.5 59.3#

103 109.2 43.2 64.8#

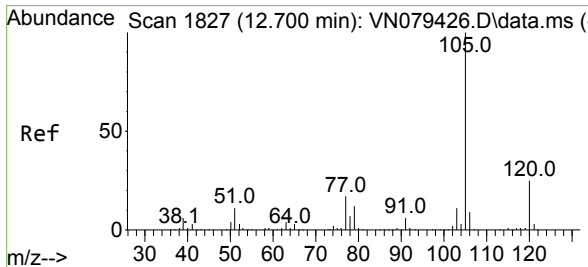
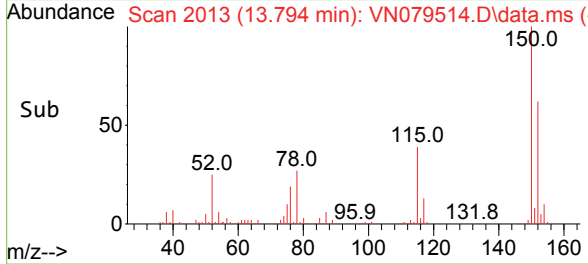
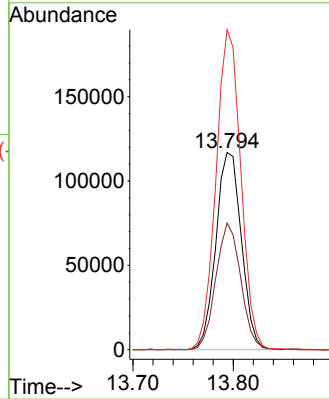
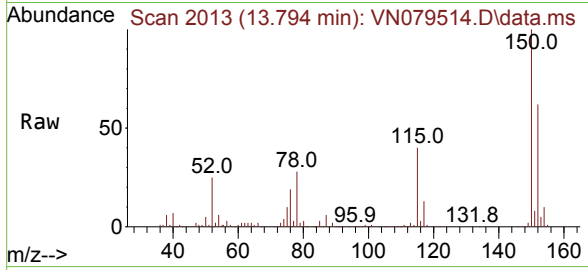




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00

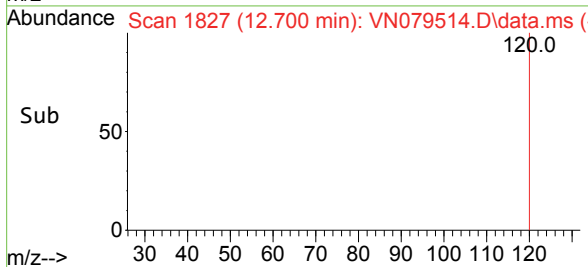
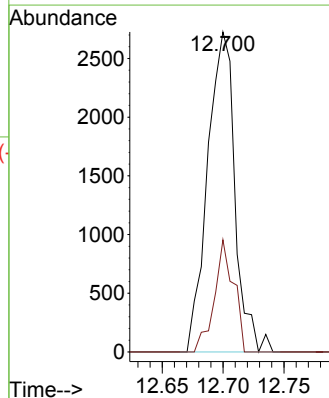
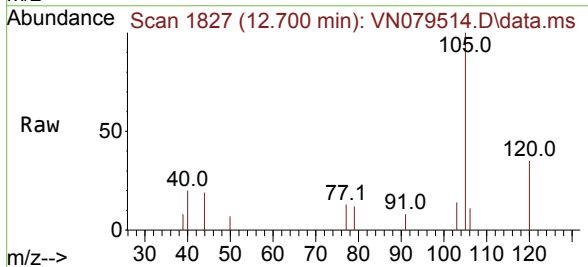
Instrument :  
 MSVOA\_N  
 ClientSampleId :

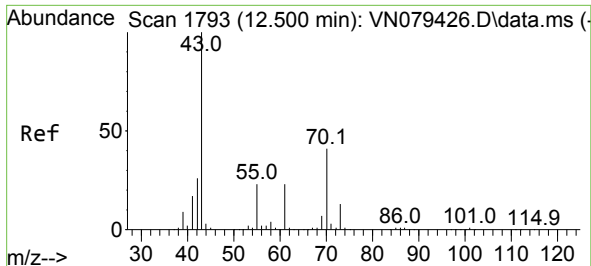
Tgt Ion:152 Resp: 205903  
 Ion Ratio Lower Upper  
 152 100  
 115 62.9 32.3 96.8  
 150 158.2 0.0 355.8



#73  
 Isopropylbenzene  
 Concen: 0.223 ug/l  
 RT: 12.700 min Scan# 1827  
 Delta R.T. -0.000 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00

Tgt Ion:105 Resp: 4267  
 Ion Ratio Lower Upper  
 105 100  
 120 24.7 13.1 39.1

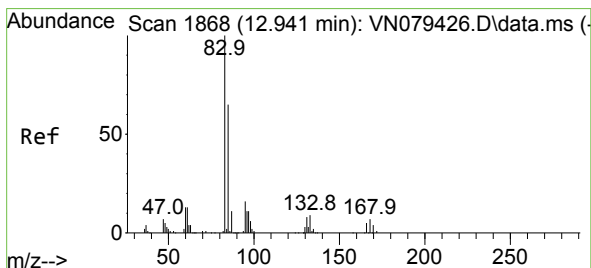
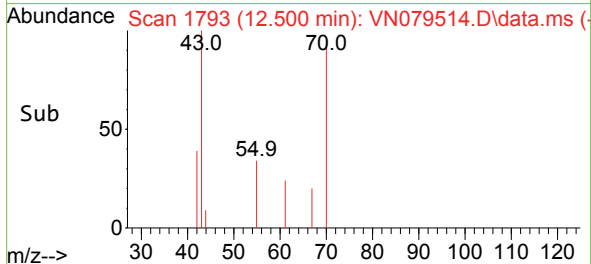
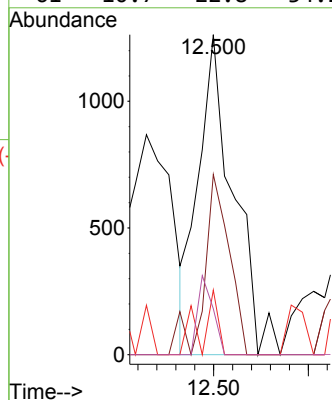
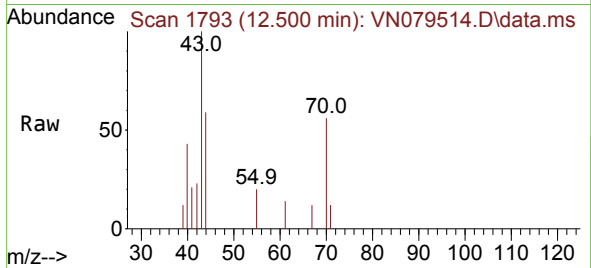




#74  
N-amy1 acetate  
Concen: 0.207 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

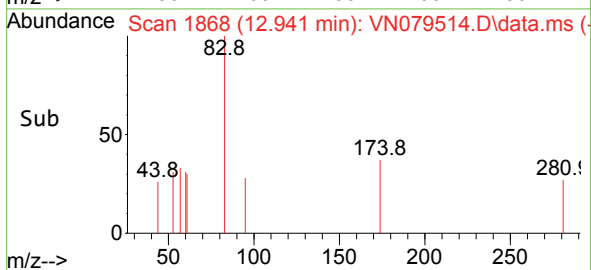
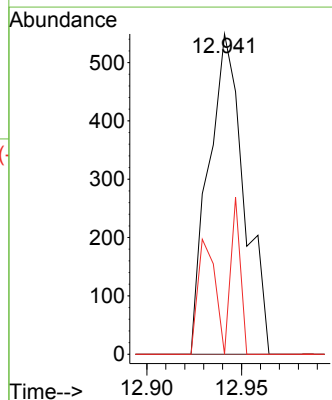
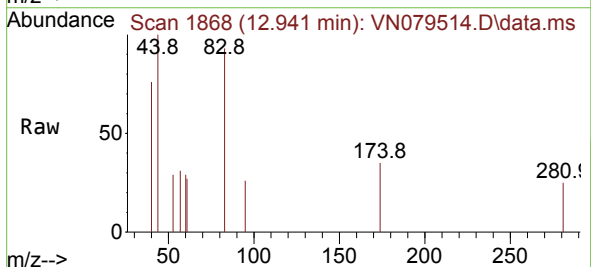
Instrument :  
MSVOA\_N  
ClientSampleId :

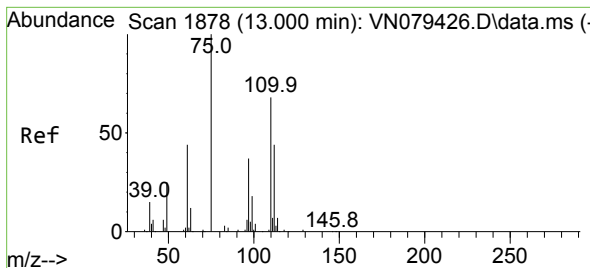
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1627  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 40.1  | 43.4  | 65.2# |
| 55       | 4.2   | 21.4  | 32.0# |
| 61       | 10.7  | 22.8  | 34.2# |



#75  
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 714   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 0.0   | 5.0   | 15.0# |
| 85       | 17.4  | 31.9  | 95.7# |





#76

1,2,3-Trichloropropane

Concen: 22.247 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

Instrument :

MSVOA\_N

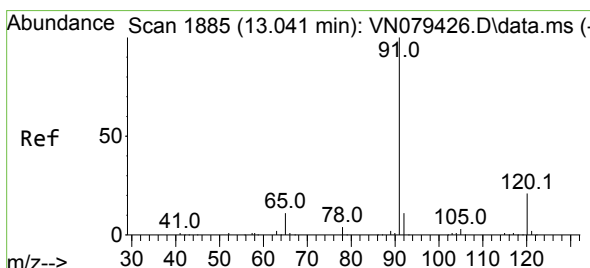
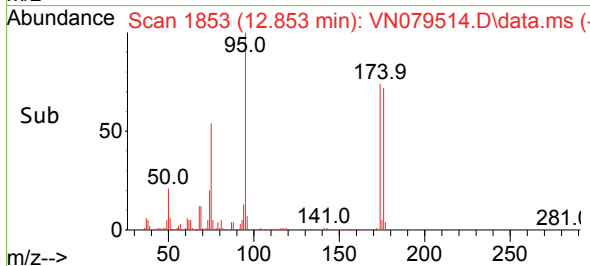
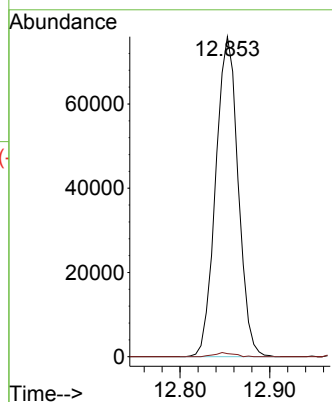
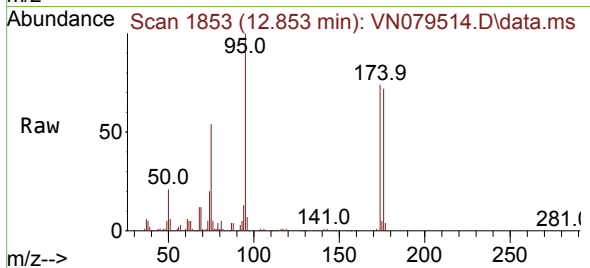
ClientSampleId :

Tgt Ion: 75 Resp: 132073

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#78

n-propylbenzene

Concen: 0.283 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN079514.D

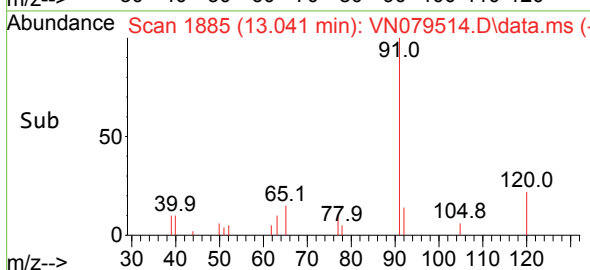
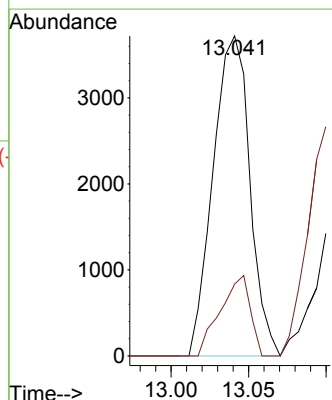
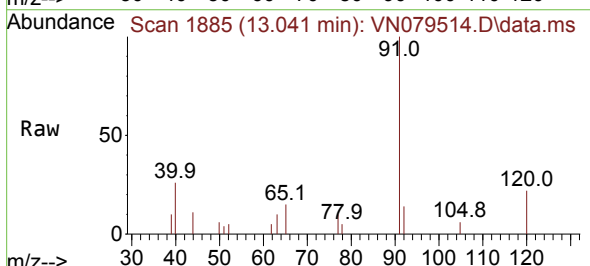
Acq: 11 Oct 2023 14:00

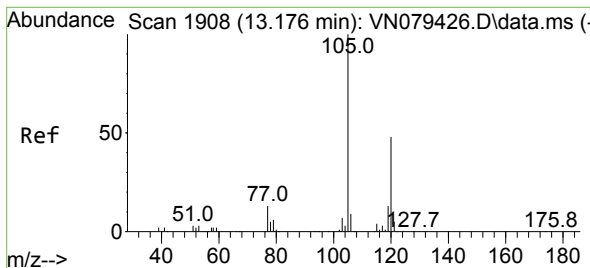
Tgt Ion: 91 Resp: 6131

Ion Ratio Lower Upper

91 100

120 20.4 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.262 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

Instrument :

MSVOA\_N

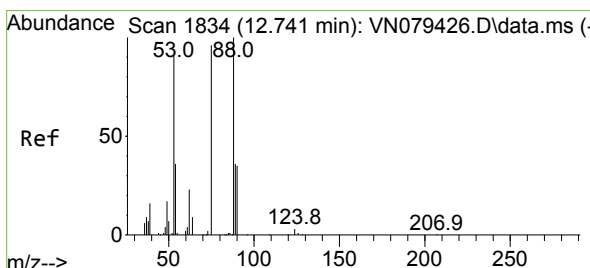
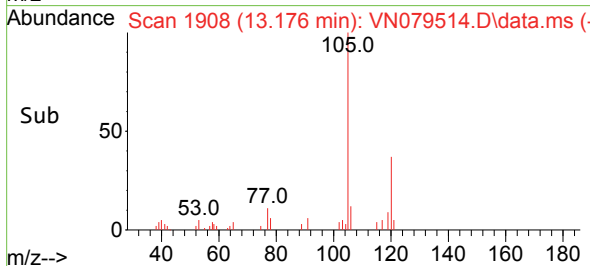
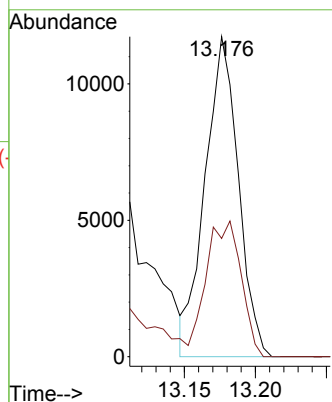
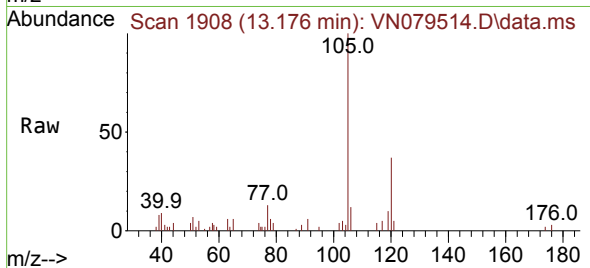
ClientSampleId :

Tgt Ion:105 Resp: 19060

Ion Ratio Lower Upper

105 100

120 44.4 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 64.550 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079514.D

Acq: 11 Oct 2023 14:00

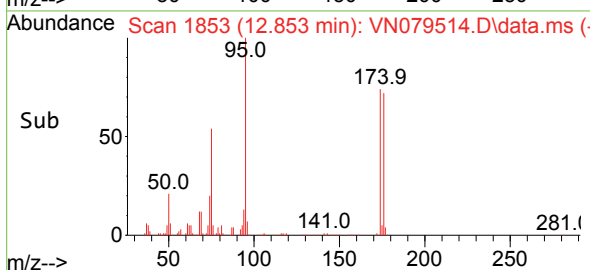
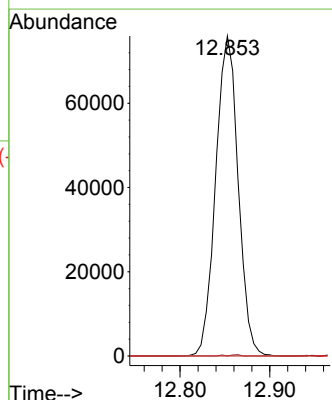
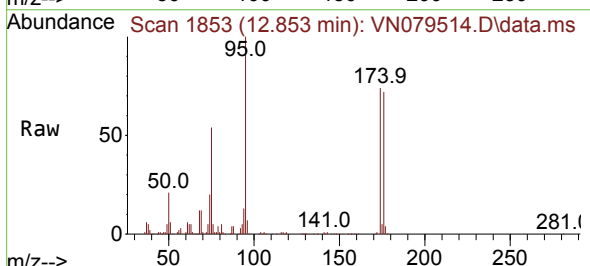
Tgt Ion: 75 Resp: 132073

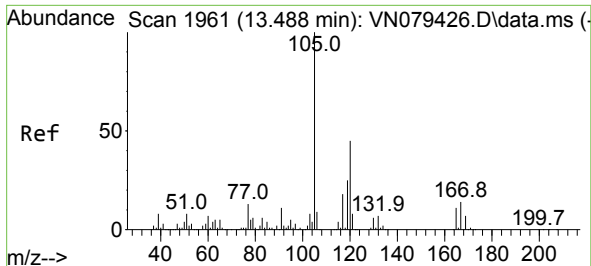
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.0 38.8 58.2#

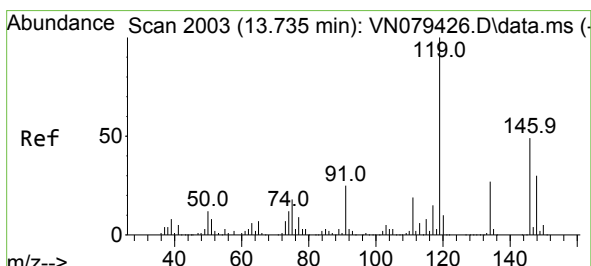
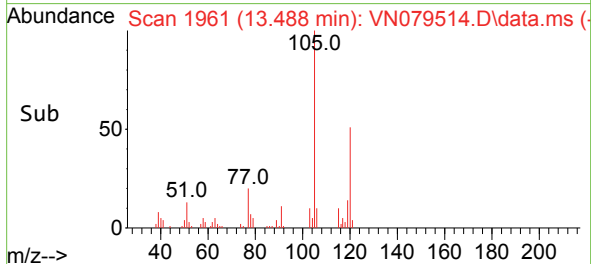
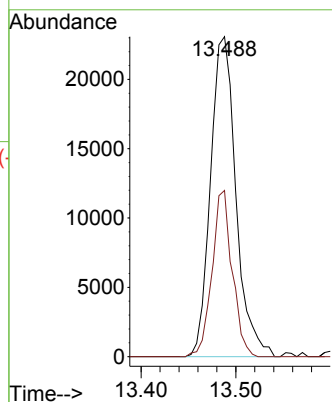
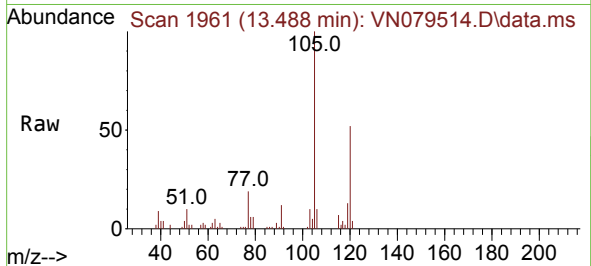




#84  
1,2,4-Trimethylbenzene  
Concen: 2.985 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

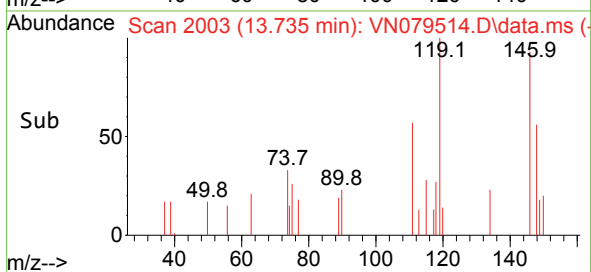
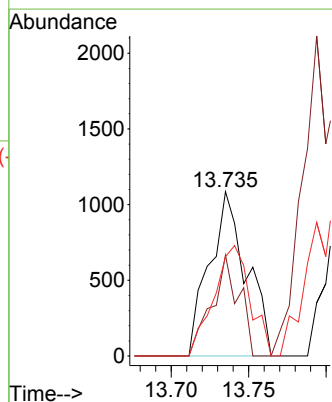
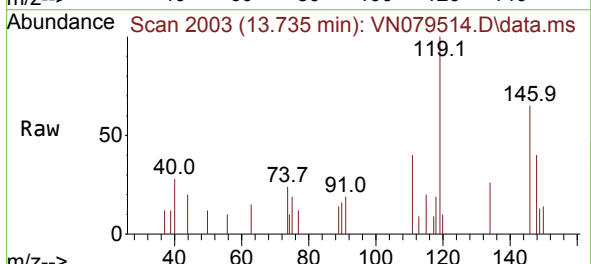
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:105 Resp: 43028  
Ion Ratio Lower Upper  
105 100  
120 41.2 22.0 66.0

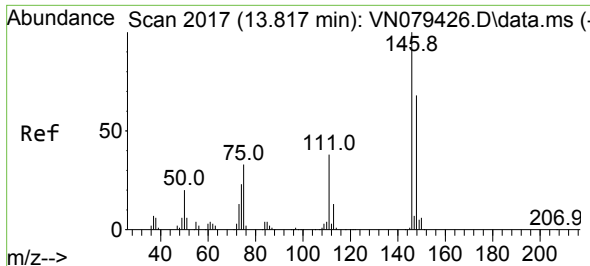


#87  
1,3-Dichlorobenzene  
Concen: 0.242 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

Tgt Ion:146 Resp: 1804  
Ion Ratio Lower Upper  
146 100  
111 44.7 22.1 66.3  
148 65.7 32.0 96.0



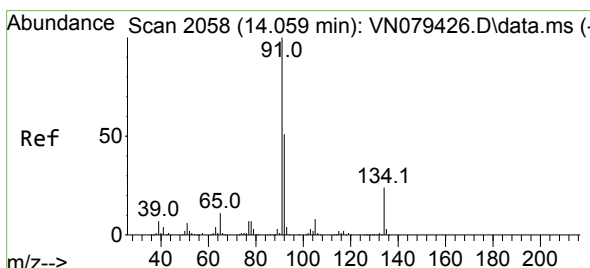
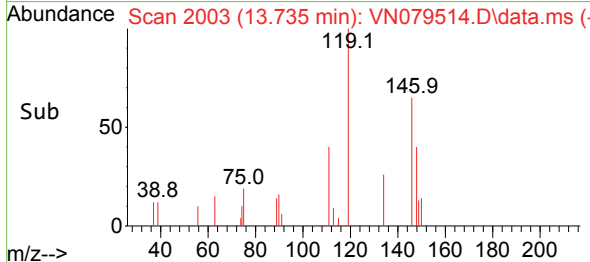
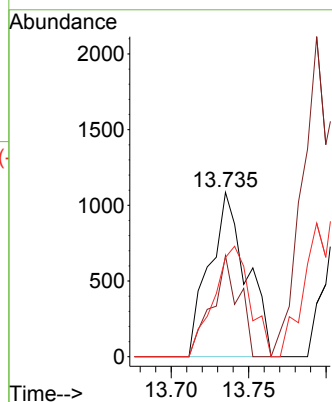
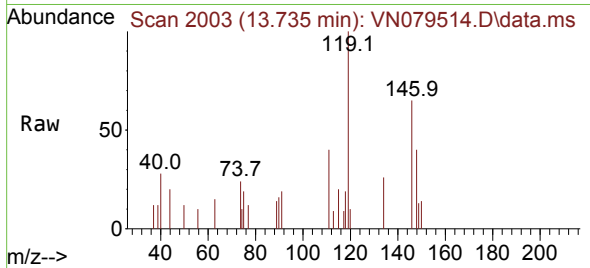




#88  
1,4-Dichlorobenzene  
Concen: 0.235 ug/l  
RT: 13.735 min Scan# 2017  
Delta R.T. -0.082 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

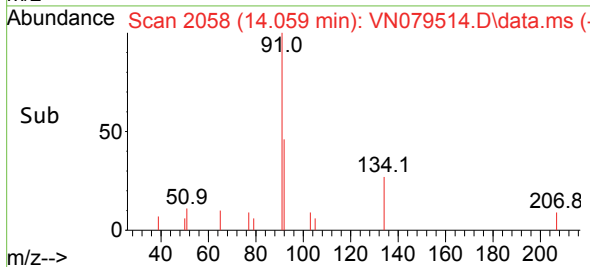
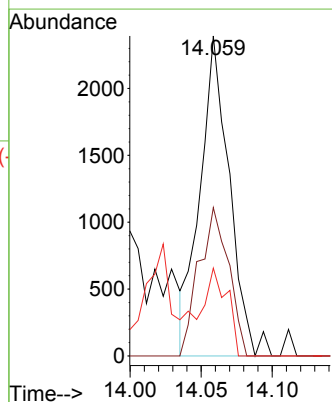
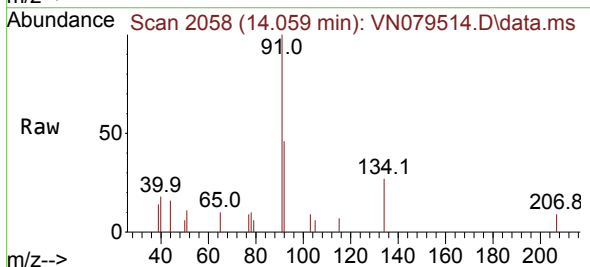
Instrument :  
MSVOA\_N  
ClientSampleId :

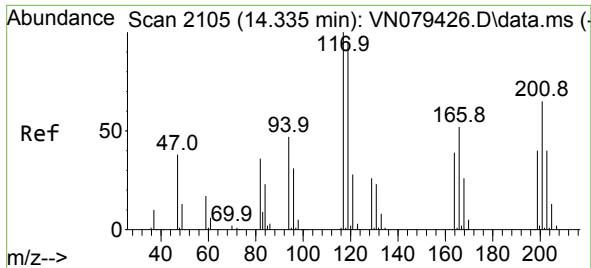
Tgt Ion:146 Resp: 1804  
Ion Ratio Lower Upper  
146 100  
111 44.7 20.6 61.8  
148 65.7 31.6 94.8



#89  
n-Butylbenzene  
Concen: 0.325 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

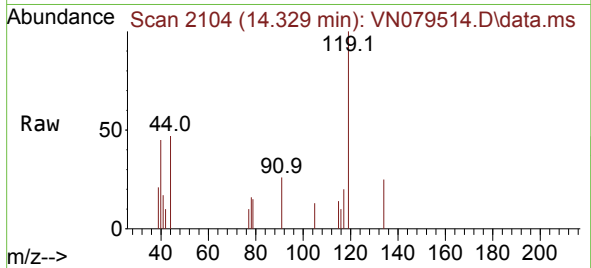
Tgt Ion: 91 Resp: 3442  
Ion Ratio Lower Upper  
91 100  
92 46.9 26.4 79.0  
134 20.2 12.6 37.6



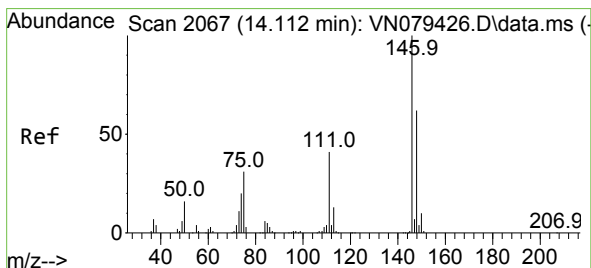
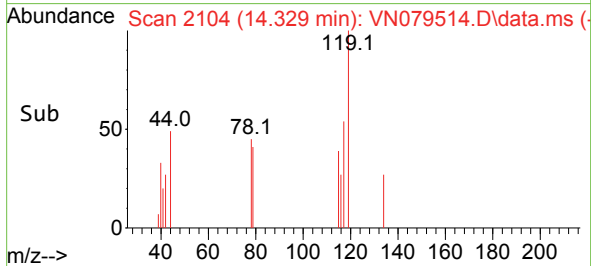
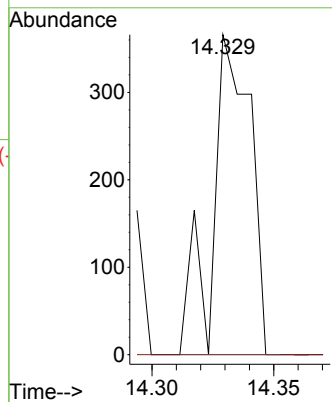


#90  
 Hexachloroethane  
 Concen: Below Cal  
 RT: 14.329 min Scan# 2104  
 Delta R.T. -0.006 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :

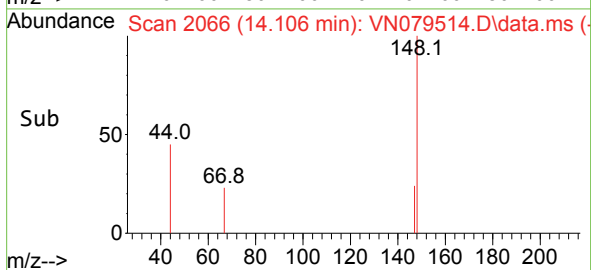
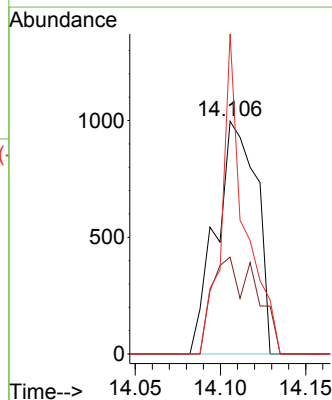
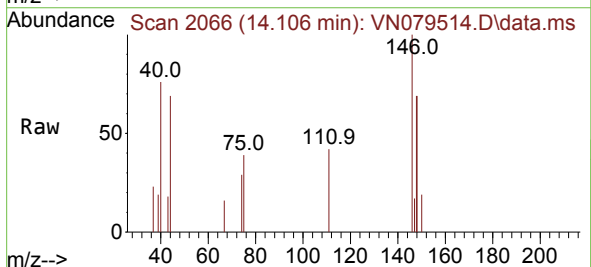


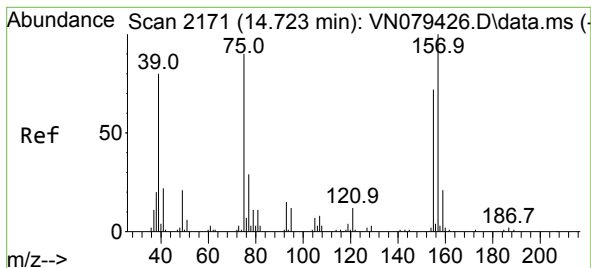
Tgt Ion:117 Resp: 398  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 29.3 88.0#



#91  
 1,2-Dichlorobenzene  
 Concen: 0.227 ug/l  
 RT: 14.106 min Scan# 2066  
 Delta R.T. -0.006 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00

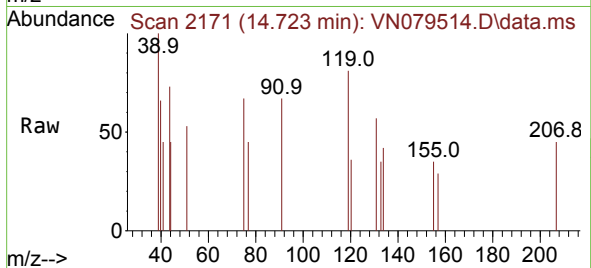
Tgt Ion:146 Resp: 1649  
 Ion Ratio Lower Upper  
 146 100  
 111 45.1 22.0 66.0  
 148 77.4 31.8 95.3



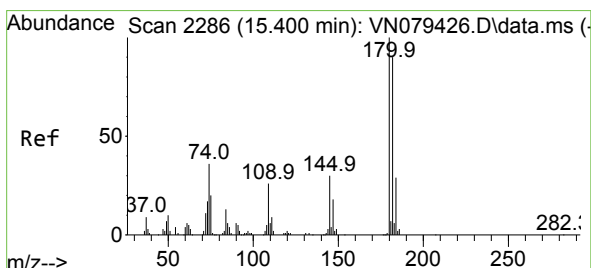
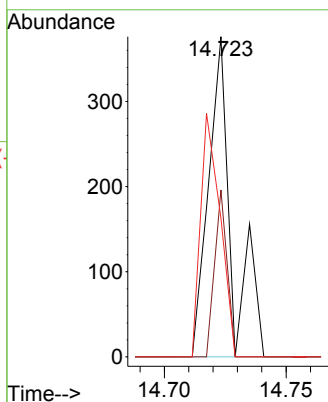
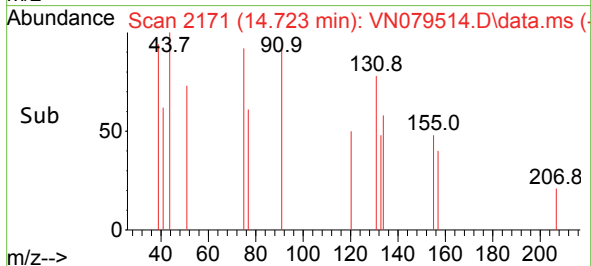


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.226 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. -0.000 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00

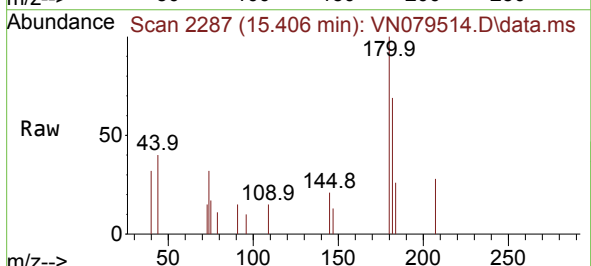
Instrument :  
 MSVOA\_N  
 ClientSampleId :



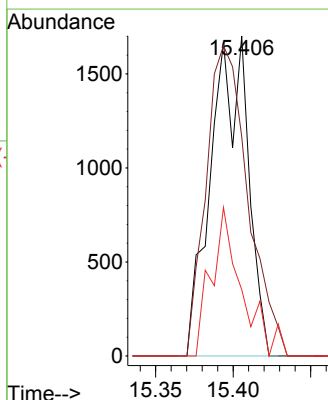
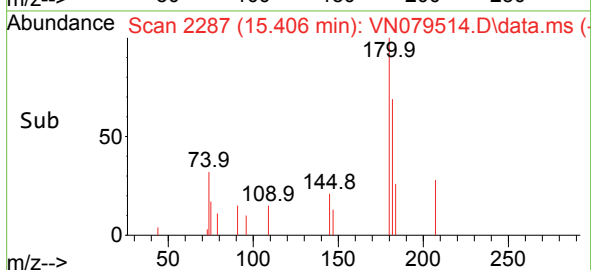
Tgt Ion: 75 Resp: 250  
 Ion Ratio Lower Upper  
 75 100  
 155 27.6 39.1 117.2#  
 157 63.2 50.3 150.9

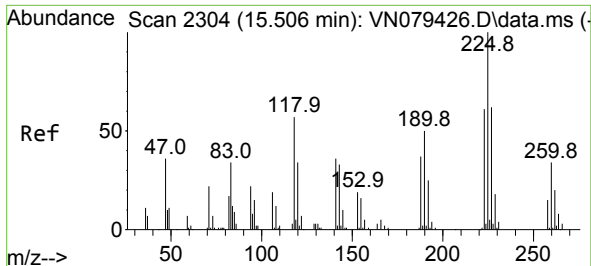


#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.249 ug/l  
 RT: 15.406 min Scan# 2287  
 Delta R.T. 0.006 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00



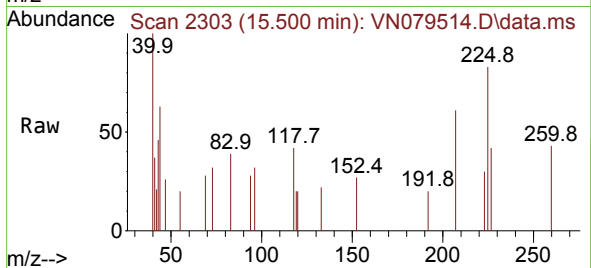
Tgt Ion: 180 Resp: 2810  
 Ion Ratio Lower Upper  
 180 100  
 182 110.2 46.1 138.2  
 145 38.7 16.6 49.8



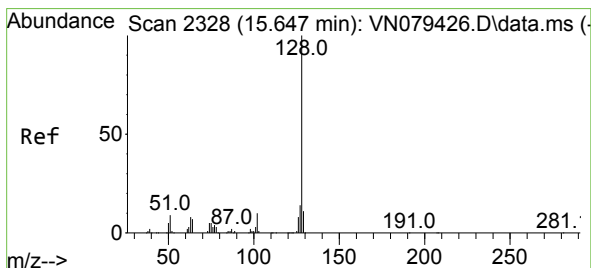
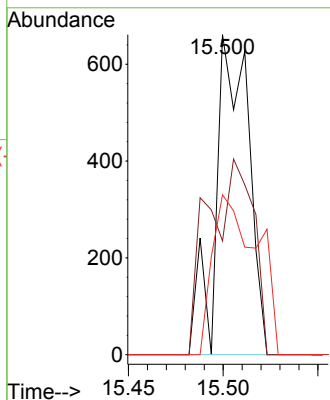
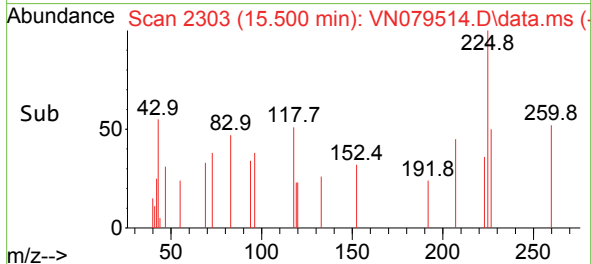


#94  
Hexachlorobutadiene  
Concen: 0.453 ug/l  
RT: 15.500 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00

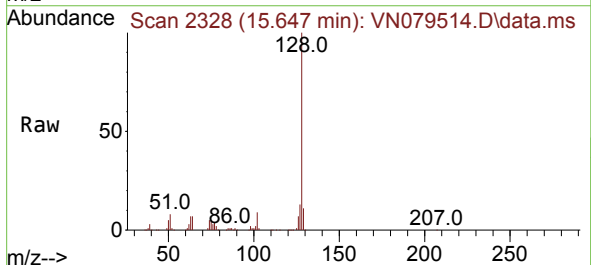
Instrument :  
MSVOA\_N  
ClientSampleId :



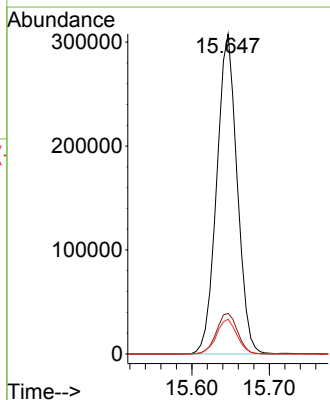
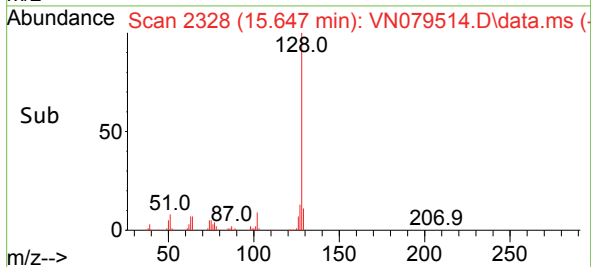
Tgt Ion:225 Resp: 794  
Ion Ratio Lower Upper  
225 100  
223 84.5 31.3 93.8  
227 68.0 31.9 95.9

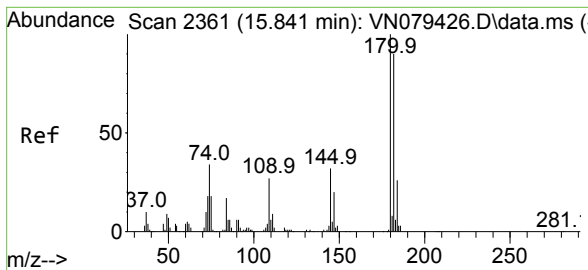


#95  
Naphthalene  
Concen: 82.124 ug/l  
RT: 15.647 min Scan# 2328  
Delta R.T. -0.000 min  
Lab File: VN079514.D  
Acq: 11 Oct 2023 14:00



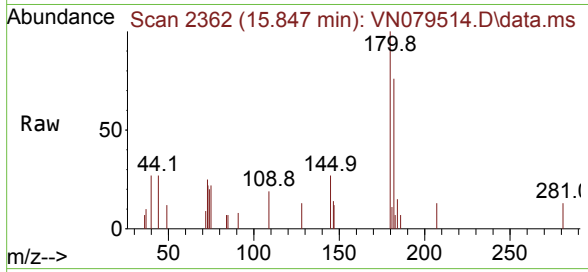
Tgt Ion:128 Resp: 564398  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.0 15.0  
129 11.0 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.475 ug/l  
 RT: 15.847 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN079514.D  
 Acq: 11 Oct 2023 14:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 3962  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 98.6  | 46.2  | 138.6 |
| 145      | 43.3  | 17.5  | 52.6  |

