

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052523\  
 Data File : VN077894.D  
 Acq On : 25 May 2023 11:54  
 Operator : JC\MD  
 Sample : VN0525MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0525MBL01

Quant Time: May 25 16:29:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc          | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------------|--------|----------|
| -----                         |                |      |            |               |        |          |
| Internal Standards            |                |      |            |               |        |          |
| 1) Pentafluorobenzene         | 8.235          | 168  | 431288     | 50.000        | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 795085     | 50.000        | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870         | 117  | 687054     | 50.000        | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.800         | 152  | 219439     | 50.000        | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |               |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.588          | 65   | 286080     | 44.332        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 88.660%       |        |          |
| 35) Dibromofluoromethane      | 8.177          | 113  | 248679     | 47.964        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 95.920%       |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 963525     | 48.282        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 96.560%       |        |          |
| 62) 4-Bromofluorobenzene      | 12.859         | 95   | 288797     | 40.975        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 81.960%#      |        |          |
| Target Compounds              |                |      |            |               |        |          |
|                               |                |      |            |               | Qvalue |          |
| 3) Chloromethane              | 2.383          | 50   | 1189       | Below Cal     |        | 96       |
| 10) Methyl Iodide             | 4.600          | 142  | 1914       | 0.336 ug/l #  |        | 78       |
| 13) Acrolein                  | 4.194          | 56   | 504        | Below Cal #   |        | 67       |
| 15) Acrylonitrile             | 5.747          | 53   | 2530       | 1.063 ug/l    |        | 91       |
| 16) Acetone                   | 4.442          | 43   | 830        | 0.409 ug/l #  |        | 80       |
| 17) Carbon Disulfide          | 4.730          | 76   | 6312       | 0.516 ug/l #  |        | 58       |
| 20) Methylene Chloride        | 5.294          | 84   | 2228       | Below Cal #   |        | 60       |
| 25) 2-Butanone                | 7.494          | 43   | 862        | 0.271 ug/l    |        | 92       |
| 29) Tetrahydrofuran           | 7.853          | 42   | 993        | 0.478 ug/l #  |        | 34       |
| 31) Cyclohexane               | 8.241          | 56   | 10338      | 1.179 ug/l #  |        | 59       |
| 36) 1,1-Dichloropropene       | 8.230          | 75   | 36236      | 4.778 ug/l #  |        | 52       |
| 38) Carbon Tetrachloride      | 8.230          | 117  | 45770      | 5.977 ug/l #  |        | 15       |
| 43) Isopropyl Acetate         | 8.806          | 43   | 3779       | 0.342 ug/l #  |        | 49       |
| 44) Trichloroethene           | 9.353          | 130  | 1275       | 0.225 ug/l    |        | 76       |
| 49) 1,4-Dioxane               | 9.712          | 88   | 142        | 1.436 ug/l #  |        | 30       |
| 51) 4-Methyl-2-Pentanone      | 10.453         | 43   | 2596       | 0.396 ug/l #  |        | 79       |
| 59) 2-Hexanone                | 11.194         | 43   | 4442       | 0.915 ug/l    |        | 74       |
| 68) m/p-Xylenes               | 12.070         | 106  | 3618       | 0.358 ug/l    |        | 87       |
| 74) N-amyl acetate            | 12.506         | 43   | 2061       | 0.295 ug/l    |        | 95       |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 149591     | 27.220 ug/l # |        | 1        |
| 77) Bromobenzene              | 12.982         | 156  | 932        | 0.216 ug/l #  |        | 13       |
| 78) n-propylbenzene           | 13.047         | 91   | 5514       | 0.247 ug/l    |        | 84       |
| 79) 2-Chlorotoluene           | 13.135         | 91   | 2723       | 0.205 ug/l    |        | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 149591     | 87.011 ug/l # |        | 15       |
| 82) 4-Chlorotoluene           | 13.223         | 91   | 4242       | 0.320 ug/l    |        | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.494         | 105  | 3639       | 0.233 ug/l    |        | 98       |
| 85) sec-Butylbenzene          | 13.617         | 105  | 4115       | 0.209 ug/l    |        | 94       |
| 86) p-Isopropyltoluene        | 13.741         | 119  | 4327       | 0.275 ug/l    |        | 94       |
| 87) 1,3-Dichlorobenzene       | 13.747         | 146  | 3457       | 0.433 ug/l    |        | 85       |
| 88) 1,4-Dichlorobenzene       | 13.747         | 146  | 3457       | 0.436 ug/l    |        | 84       |
| 89) n-Butylbenzene            | 14.064         | 91   | 4682       | 0.324 ug/l    |        | 86       |
| 91) 1,2-Dichlorobenzene       | 14.117         | 146  | 3507       | 0.470 ug/l    |        | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723         | 75   | 423        | 0.375 ug/l    |        | 70       |
| 93) 1,2,4-Trichlorobenzene    | 15.394         | 180  | 4341       | 0.996 ug/l    |        | 97       |
| 94) Hexachlorobutadiene       | 15.511         | 225  | 2627       | 1.452 ug/l    |        | 94       |
| 95) Naphthalene               | 15.647         | 128  | 23528      | 1.568 ug/l    |        | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052523\  
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Operator : JC\MD  
Sample : VN0525MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

Quant Time: May 25 16:29:11 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 04:07:42 2023  
Response via : Initial Calibration

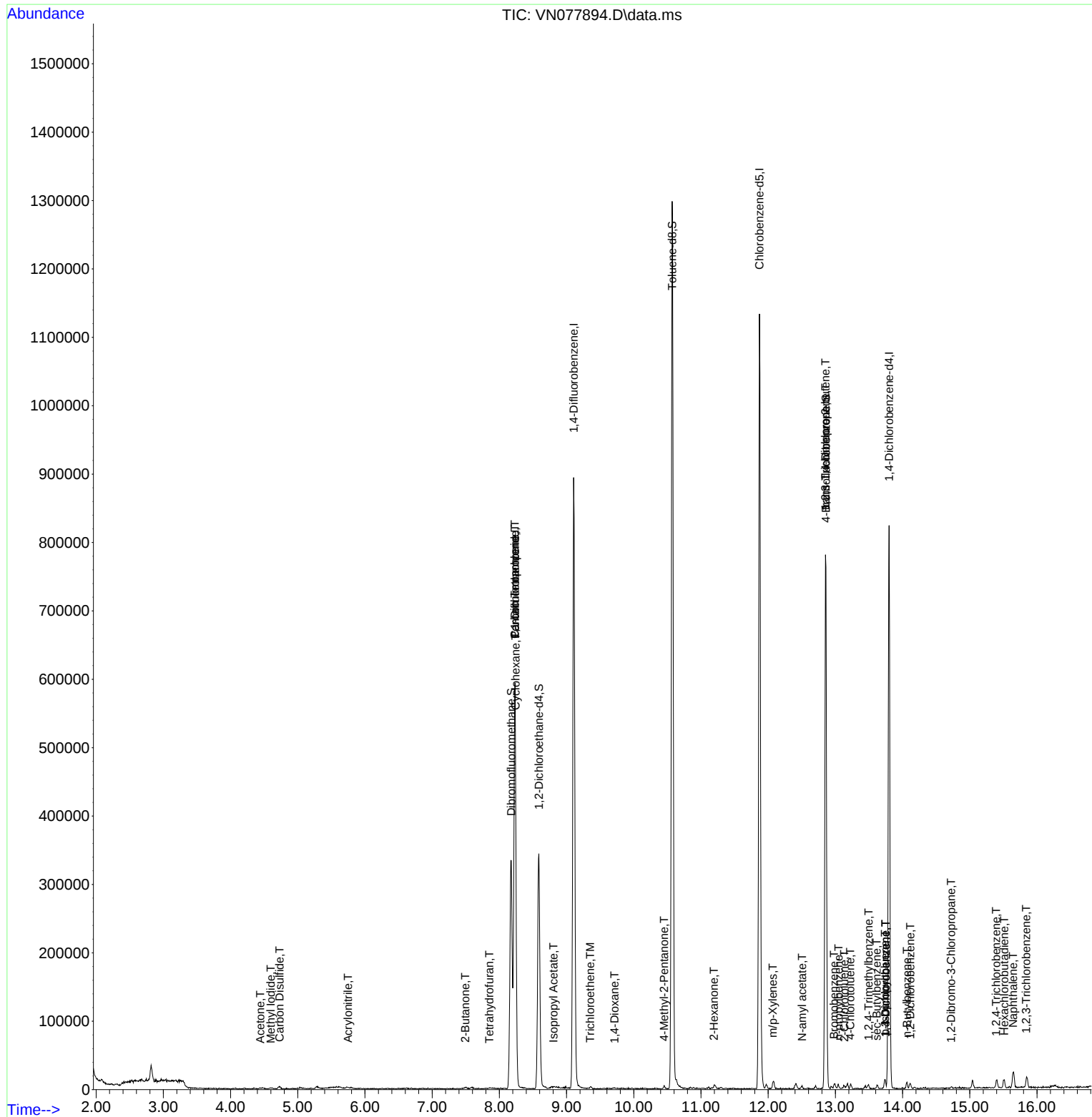
| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.841 | 180  | 6234     | 1.461 | ug/l  | 88       |

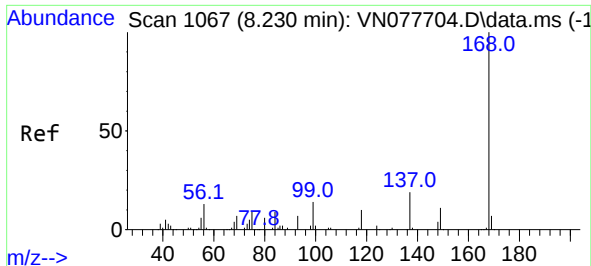
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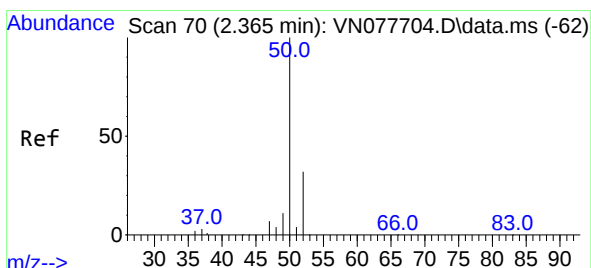
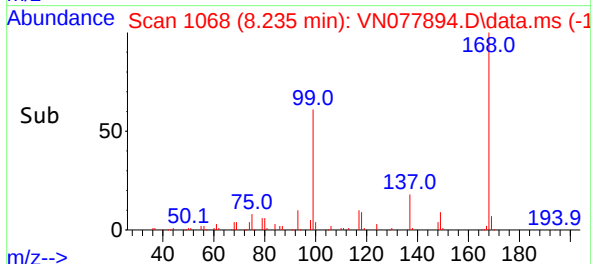
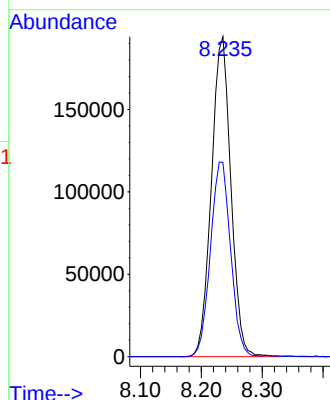
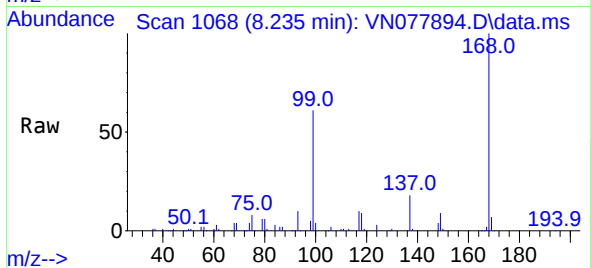




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 10  
Delta R.T. 0.005 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

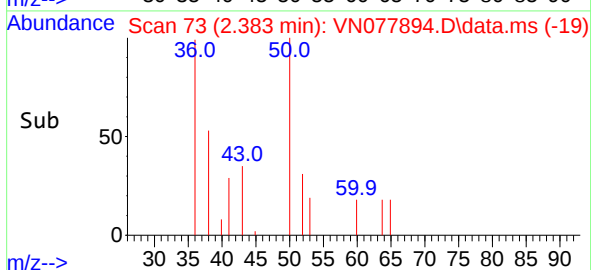
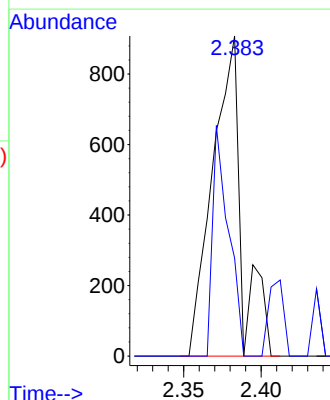
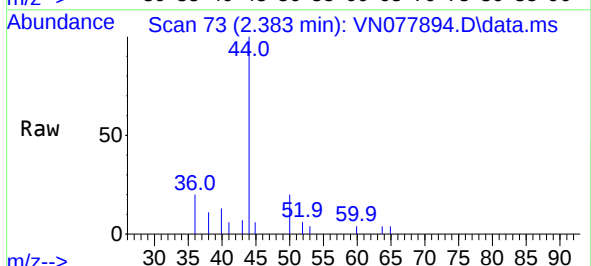
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

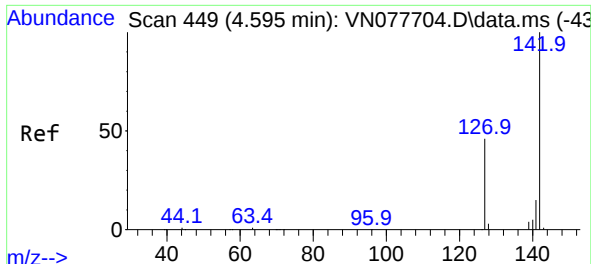
Tgt Ion:168 Resp: 431288  
Ion Ratio Lower Upper  
168 100  
99 60.7 53.0 79.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.383 min Scan# 73  
Delta R.T. 0.018 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

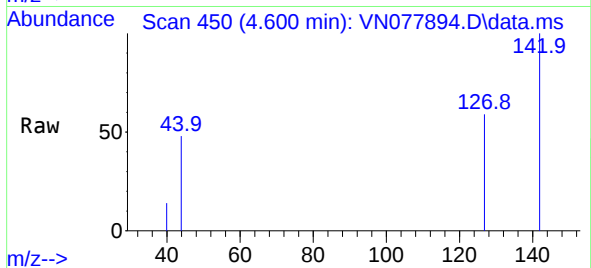
Tgt Ion: 50 Resp: 1189  
Ion Ratio Lower Upper  
50 100  
52 30.6 26.5 39.7



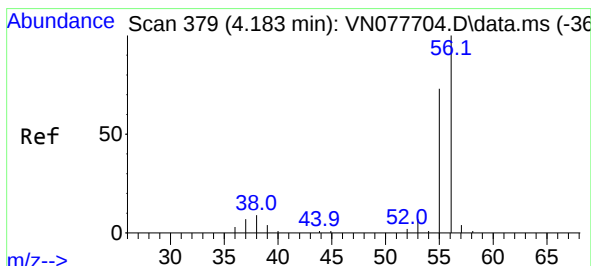
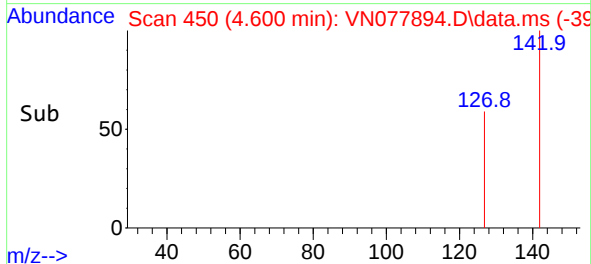
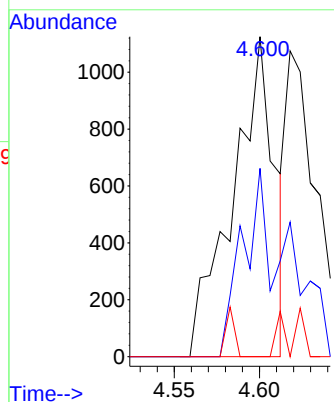


#10  
Methyl Iodide  
Concen: 0.336 ug/l  
RT: 4.600 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

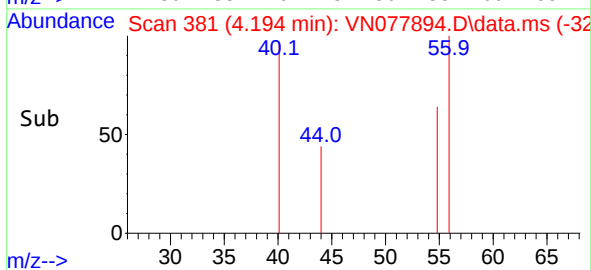
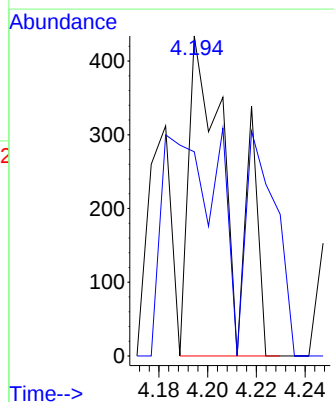
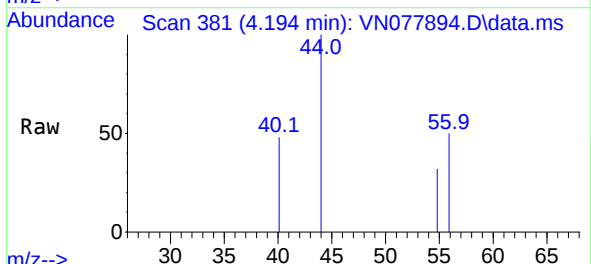


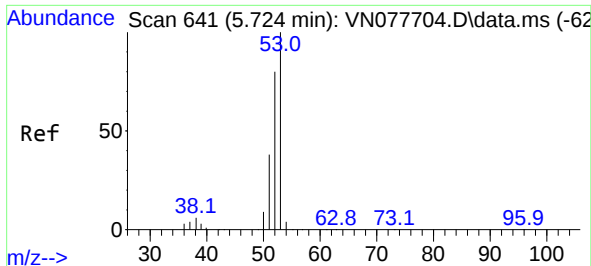
Tgt Ion:142 Resp: 1914  
Ion Ratio Lower Upper  
142 100  
127 58.8 37.6 56.4#  
141 0.0 11.4 17.0#



#13  
Acrolein  
Concen: Below Cal  
RT: 4.194 min Scan# 381  
Delta R.T. 0.005 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 56 Resp: 504  
Ion Ratio Lower Upper  
56 100  
55 94.4 54.5 81.7#

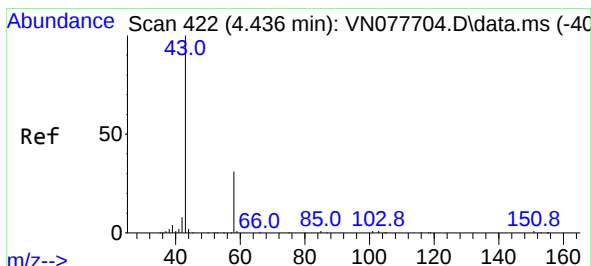
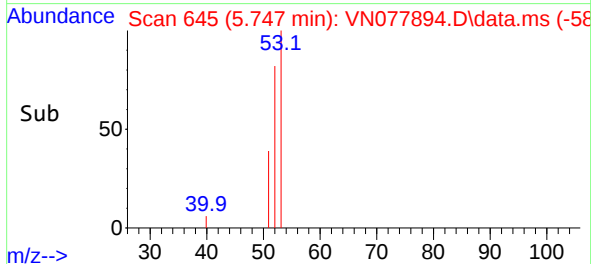
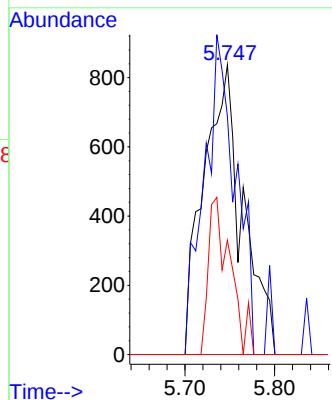
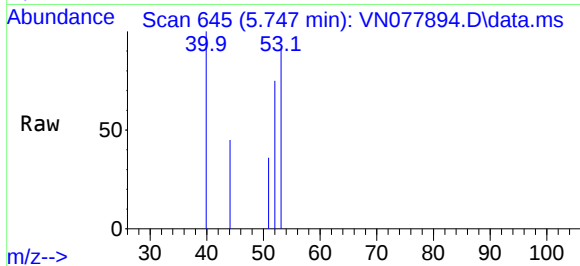




#15  
Acrylonitrile  
Concen: 1.063 ug/l  
RT: 5.747 min Scan# 641  
Delta R.T. 0.029 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

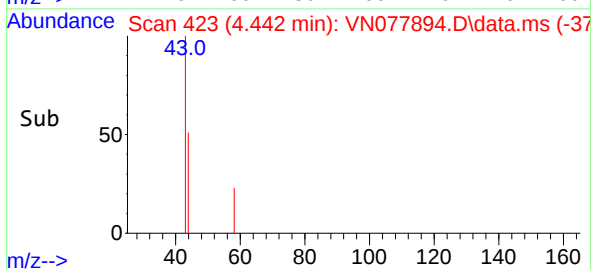
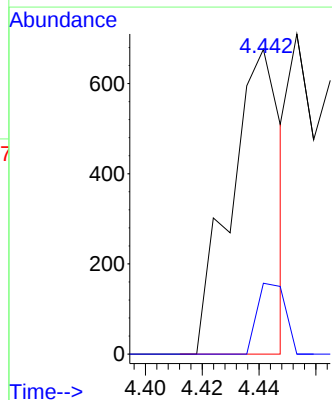
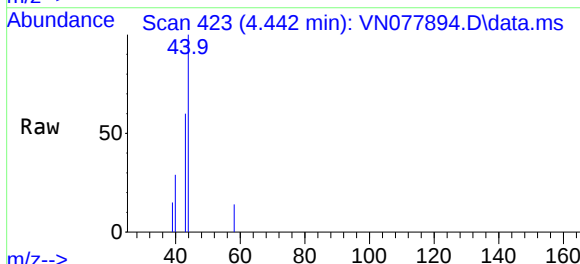
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

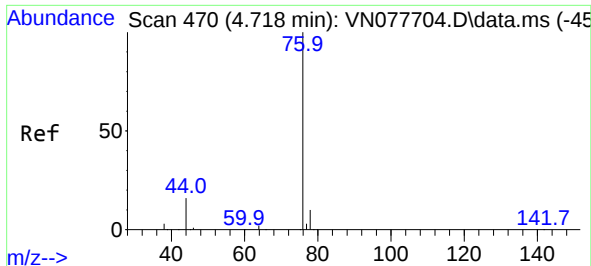
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 2530  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 89.4  | 65.3  | 97.9  |
| 51       | 30.4  | 28.9  | 43.3  |



#16  
Acetone  
Concen: 0.409 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. 0.012 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 830   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 23.2  | 28.0  | 42.0# |

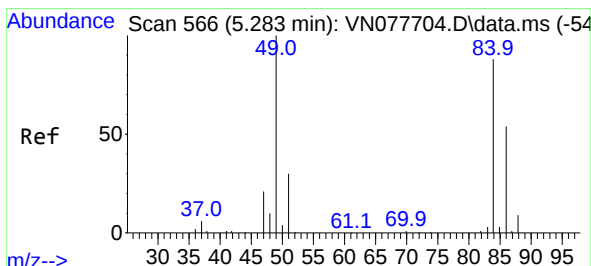
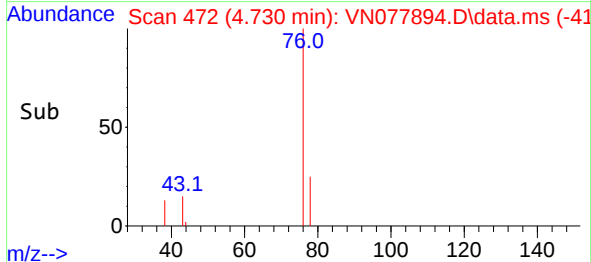
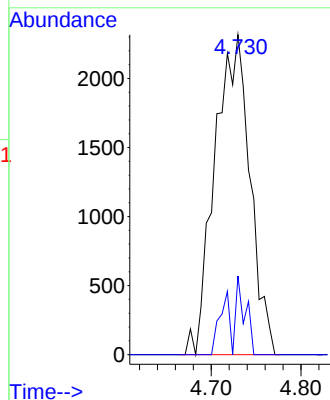
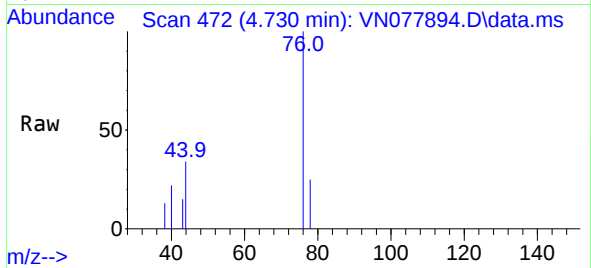




#17  
Carbon Disulfide  
Concen: 0.516 ug/l  
RT: 4.730 min Scan# 41  
Delta R.T. 0.018 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

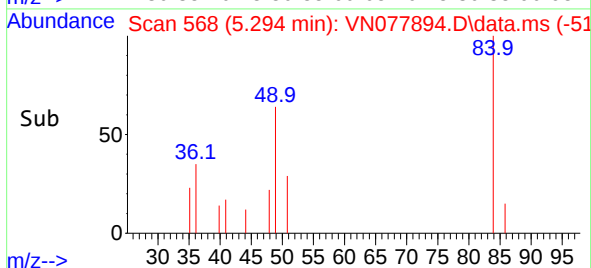
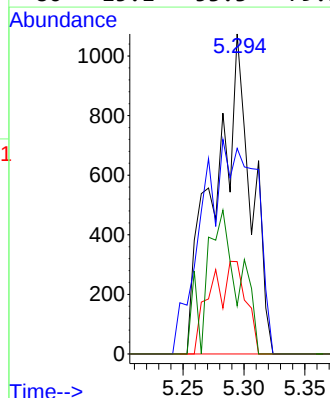
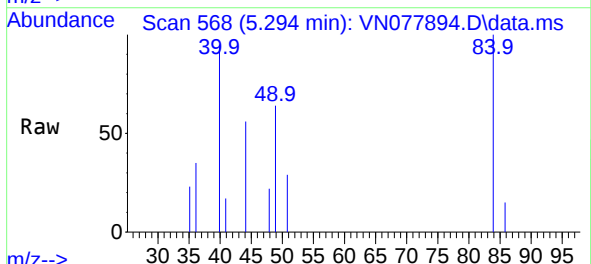
Instrument :  
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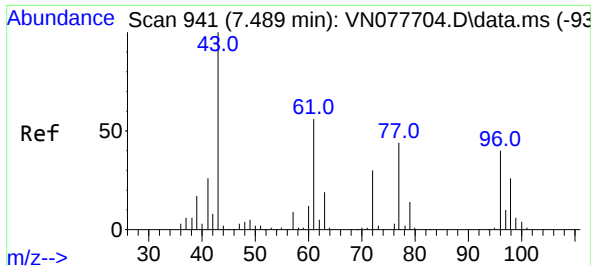
Tgt Ion: 76 Resp: 6312  
Ion Ratio Lower Upper  
76 100  
78 24.6 7.4 11.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.294 min Scan# 568  
Delta R.T. 0.011 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 84 Resp: 2228  
Ion Ratio Lower Upper  
84 100  
49 64.2 79.7 119.5#  
51 28.9 25.2 37.8  
86 15.1 53.3 79.9#

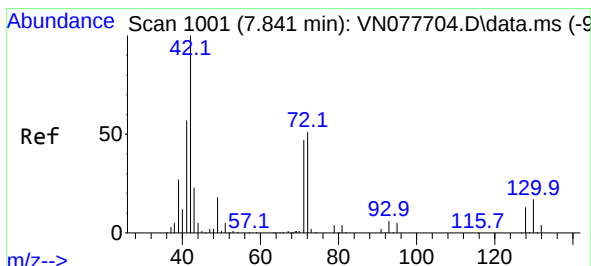
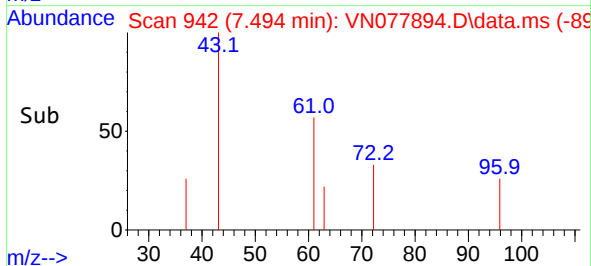
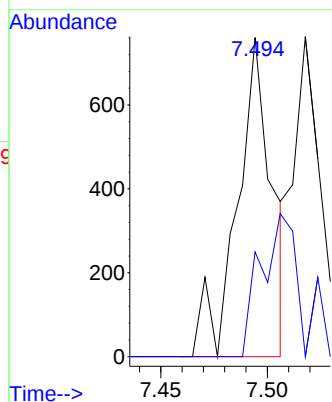
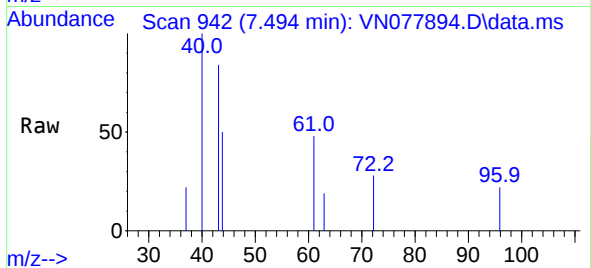




#25  
2-Butanone  
Concen: 0.271 ug/l  
RT: 7.494 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

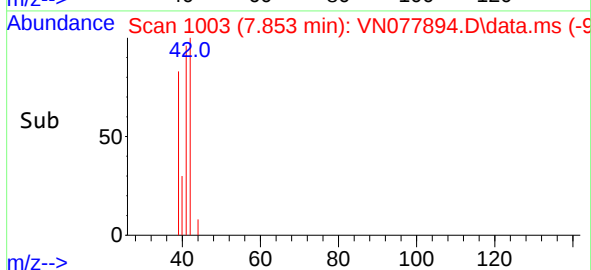
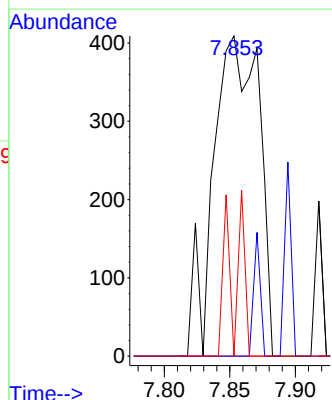
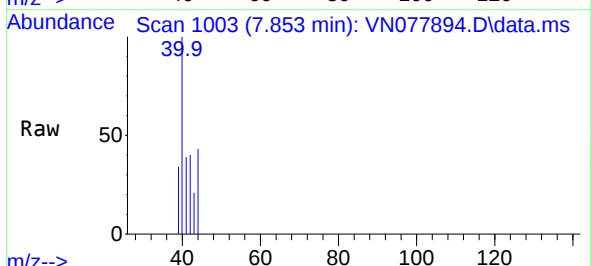
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

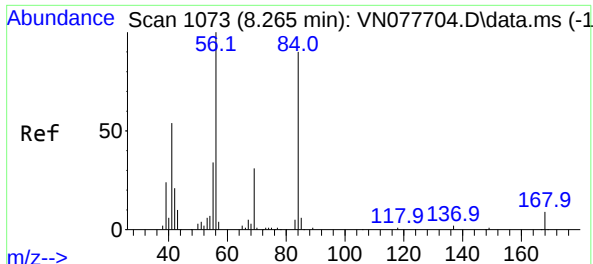
Tgt Ion: 43 Resp: 862  
Ion Ratio Lower Upper  
43 100  
72 32.9 30.2 45.2



#29  
Tetrahydrofuran  
Concen: 0.478 ug/l  
RT: 7.853 min Scan# 1003  
Delta R.T. 0.012 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 42 Resp: 993  
Ion Ratio Lower Upper  
42 100  
72 5.6 49.8 74.6#  
71 14.9 47.4 71.2#

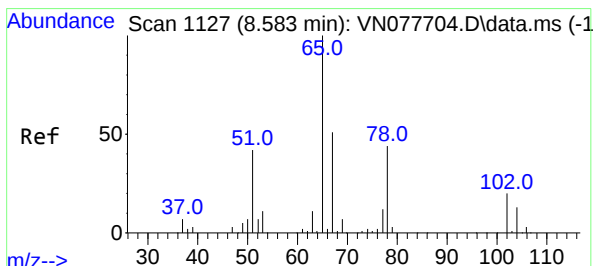
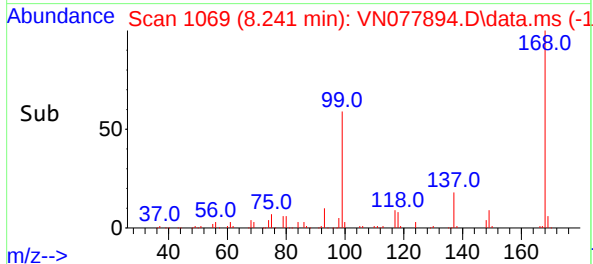
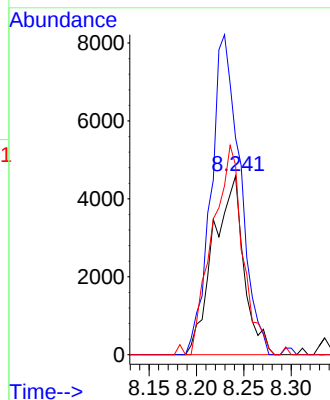
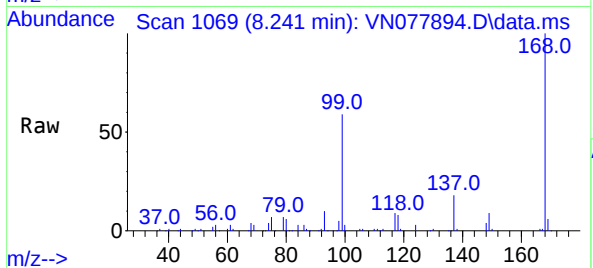




#31  
Cyclohexane  
Concen: 1.179 ug/l  
RT: 8.241 min Scan# 1069  
Delta R.T. -0.024 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

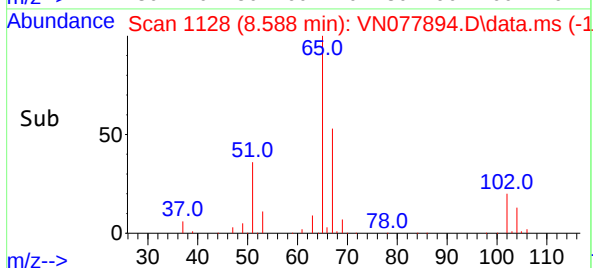
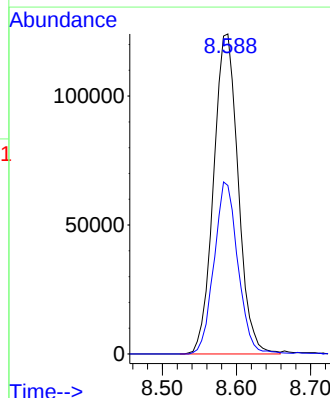
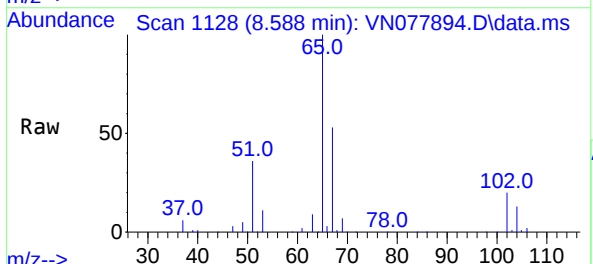
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

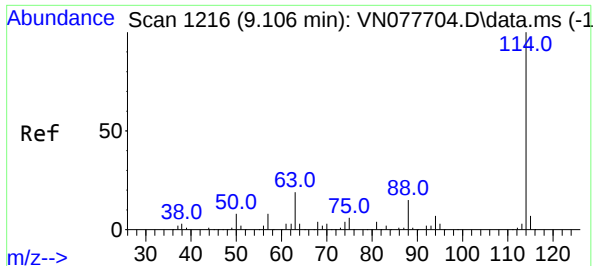
Tgt Ion: 56 Resp: 10338  
Ion Ratio Lower Upper  
56 100  
69 121.5 26.8 40.2#  
84 106.2 81.8 122.6



#33  
1,2-Dichloroethane-d4  
Concen: 44.332 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 65 Resp: 286080  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 106.6

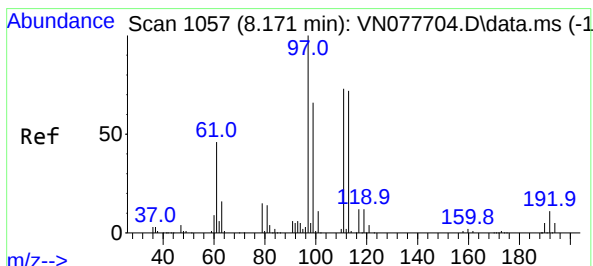
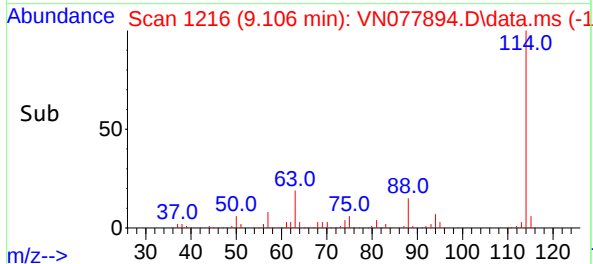
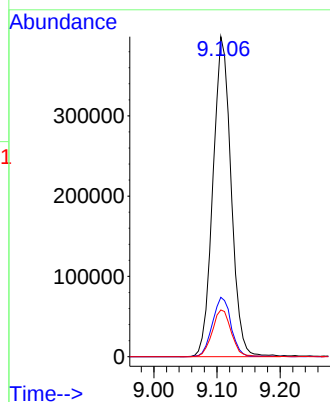
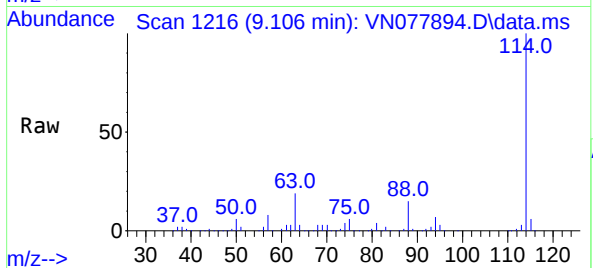




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

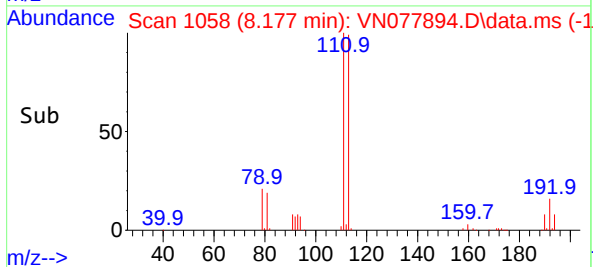
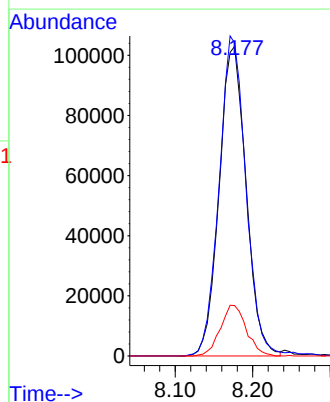
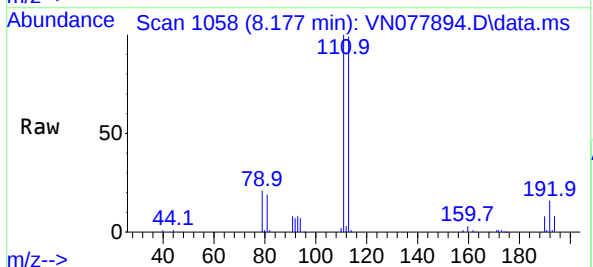
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

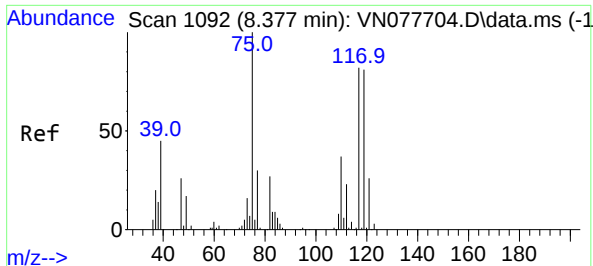
Tgt Ion:114 Resp: 795085  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 36.4  
88 14.6 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 47.964 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion:113 Resp: 248679  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 123.8  
192 15.9 12.7 19.1

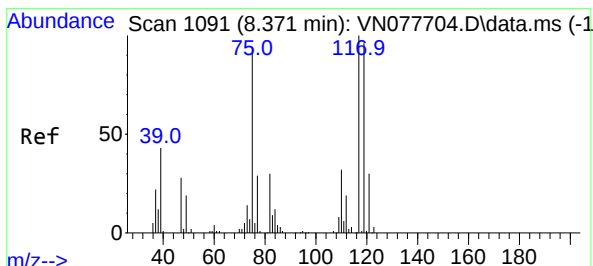
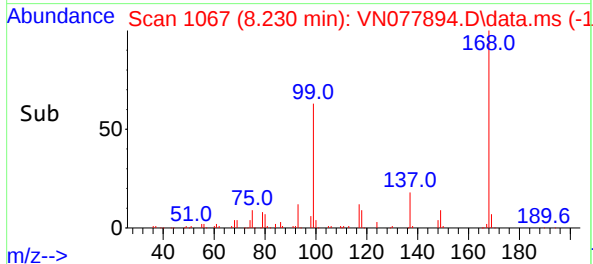
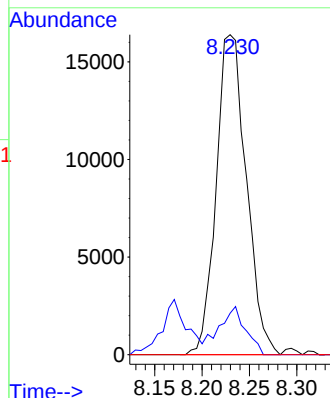
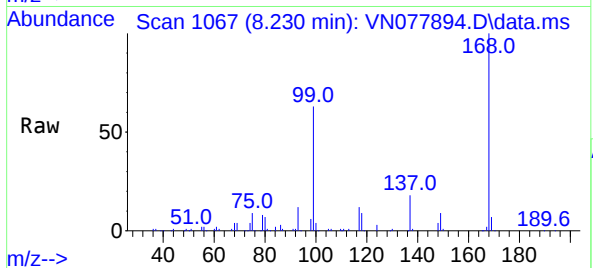




#36  
1,1-Dichloropropene  
Concen: 4.778 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.147 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

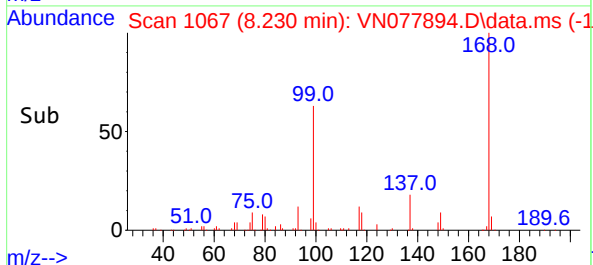
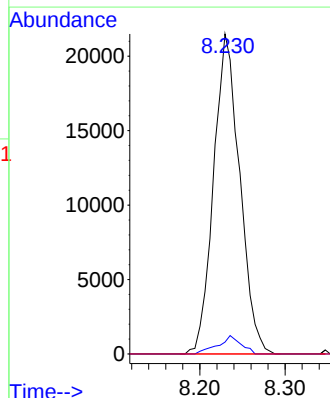
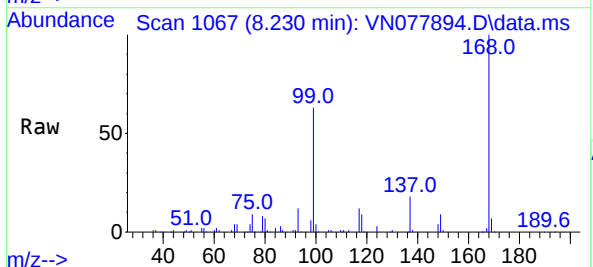
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

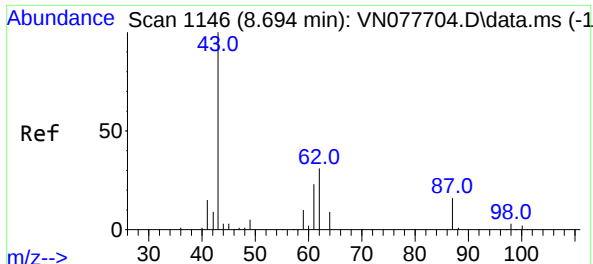
Tgt Ion: 75 Resp: 36236  
Ion Ratio Lower Upper  
75 100  
110 13.3 19.1 57.3#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.977 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 117 Resp: 45770  
Ion Ratio Lower Upper  
117 100  
119 3.7 77.3 115.9#  
121 0.0 23.3 34.9#

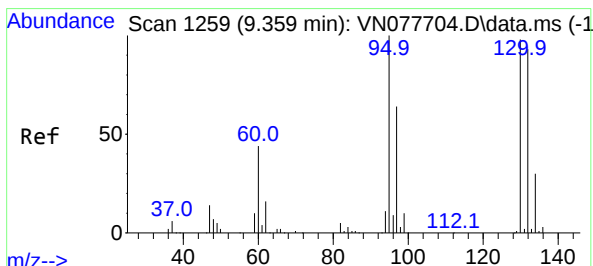
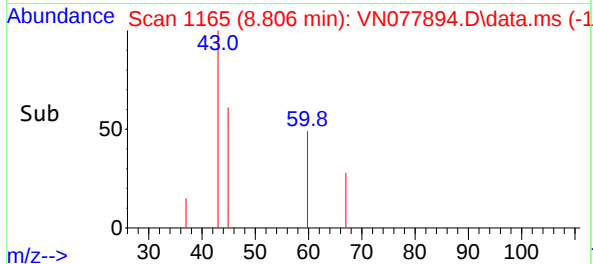
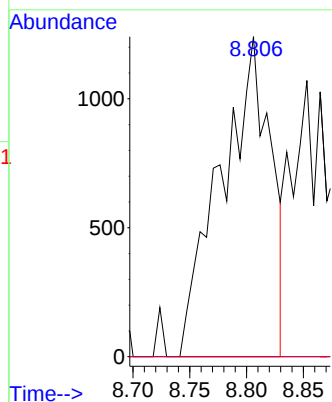
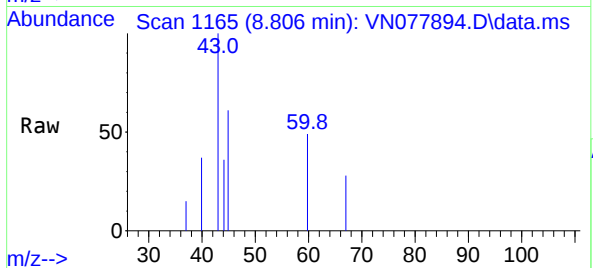




#43  
Isopropyl Acetate  
Concen: 0.342 ug/l  
RT: 8.806 min Scan# 1165  
Delta R.T. 0.112 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

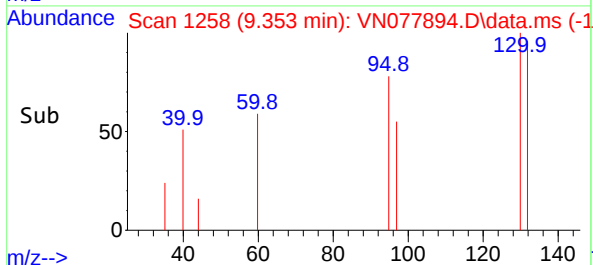
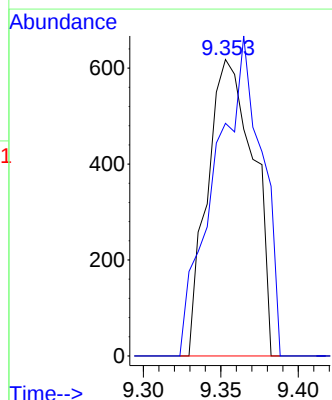
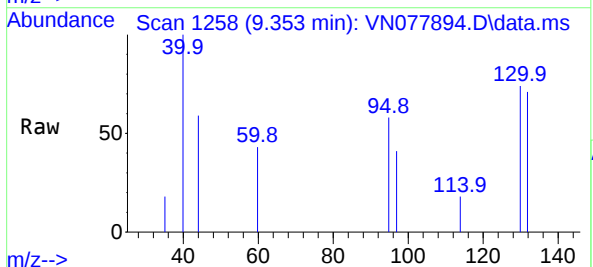
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

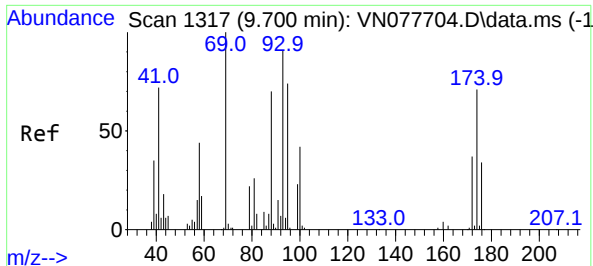
Tgt Ion: 43 Resp: 3779  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.7 37.1#  
87 0.0 14.6 21.8#



#44  
Trichloroethene  
Concen: 0.225 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. -0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 130 Resp: 1275  
Ion Ratio Lower Upper  
130 100  
95 78.5 0.0 204.6

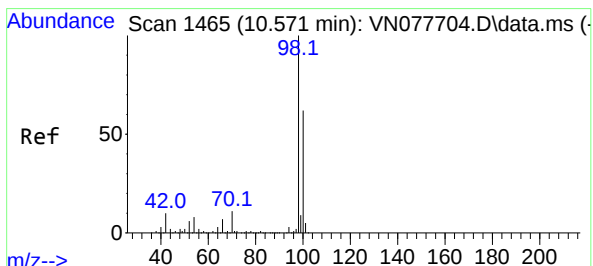
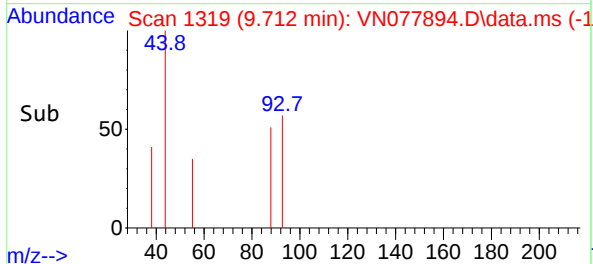
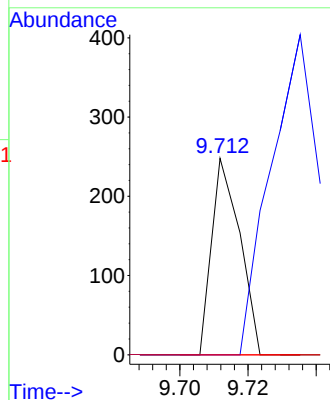
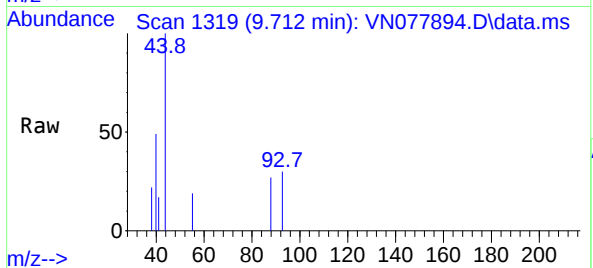




#49  
1,4-Dioxane  
Concen: 1.436 ug/l  
RT: 9.712 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

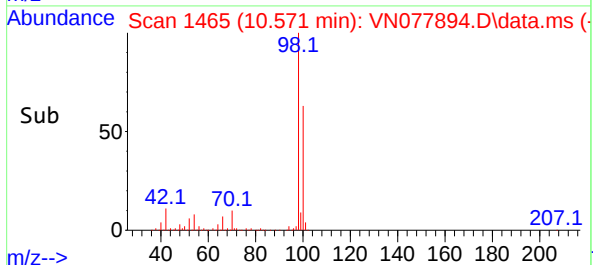
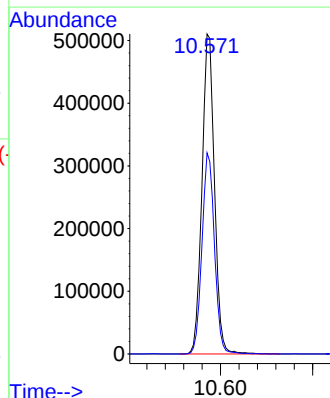
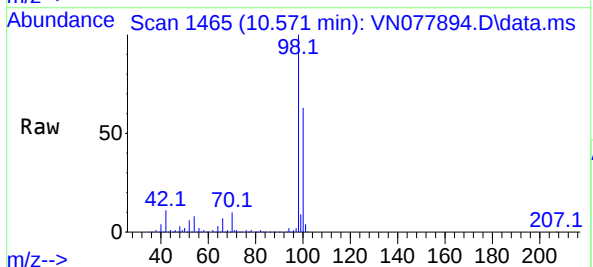
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

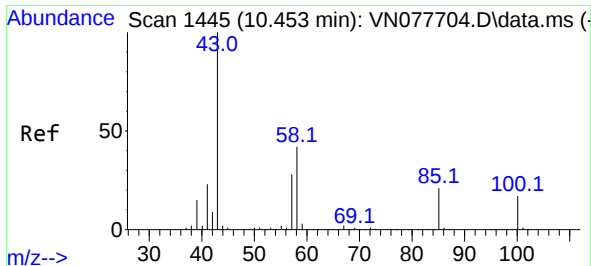
Tgt Ion: 88 Resp: 142  
Ion Ratio Lower Upper  
88 100  
43 0.0 17.0 25.6#  
58 0.0 47.0 70.4#



#50  
Toluene-d8  
Concen: 48.282 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 98 Resp: 963525  
Ion Ratio Lower Upper  
98 100  
100 63.1 52.0 78.0

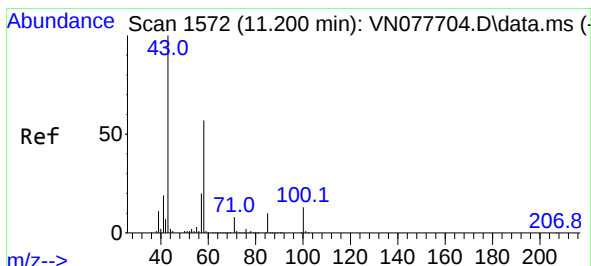
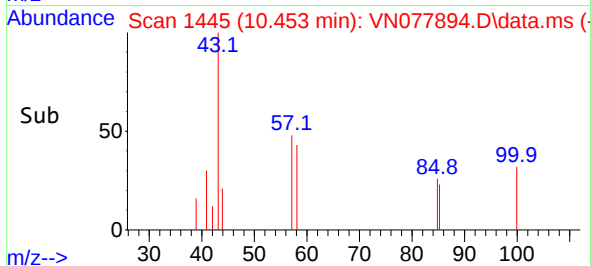
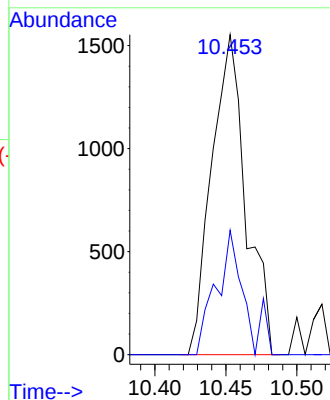
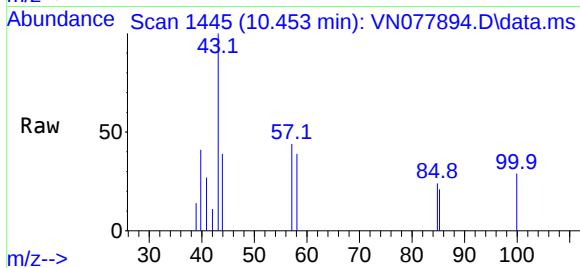




#51  
4-Methyl-2-Pentanone  
Concen: 0.396 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

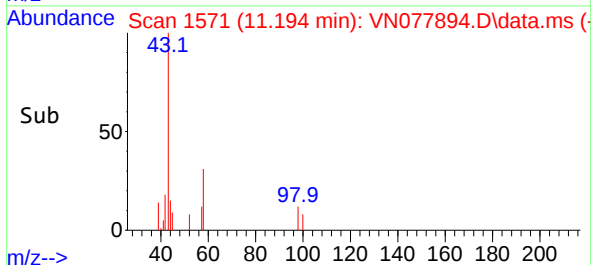
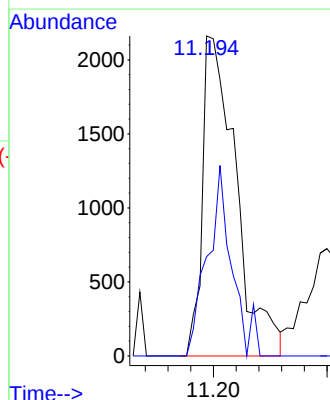
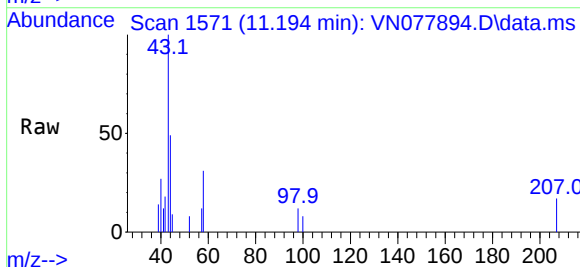
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

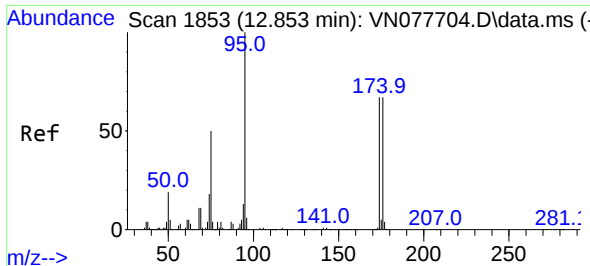
Tgt Ion: 43 Resp: 2596  
Ion Ratio Lower Upper  
43 100  
58 31.9 36.6 54.8#



#59  
2-Hexanone  
Concen: 0.915 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. -0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 43 Resp: 4442  
Ion Ratio Lower Upper  
43 100  
58 43.2 31.7 95.1

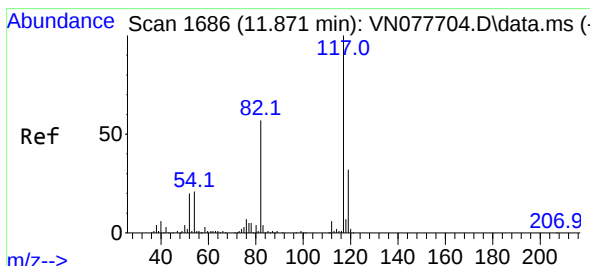
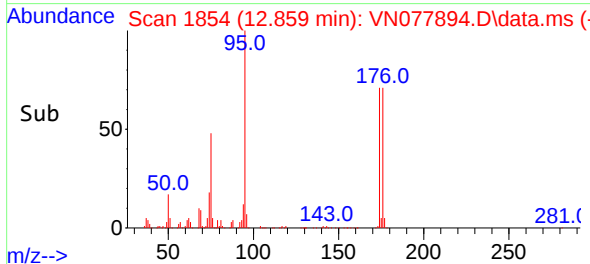
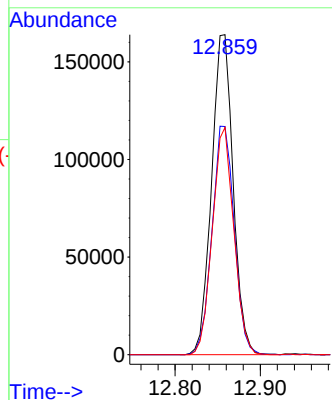
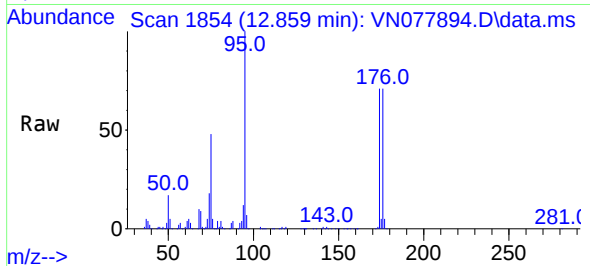




#62  
4-Bromofluorobenzene  
Concen: 40.975 ug/l  
RT: 12.859 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

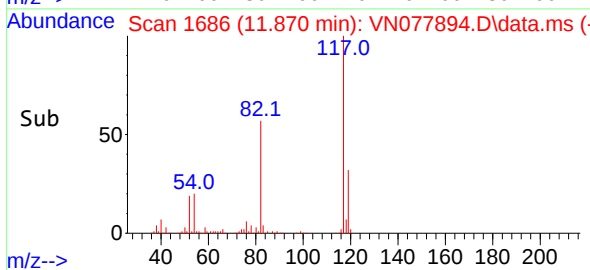
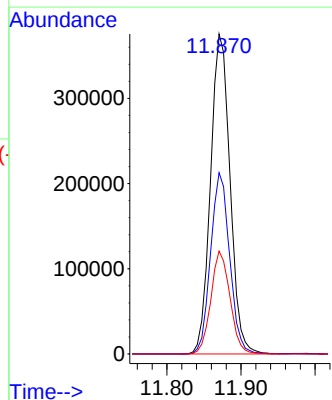
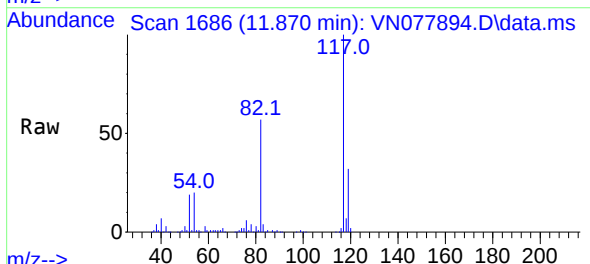
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

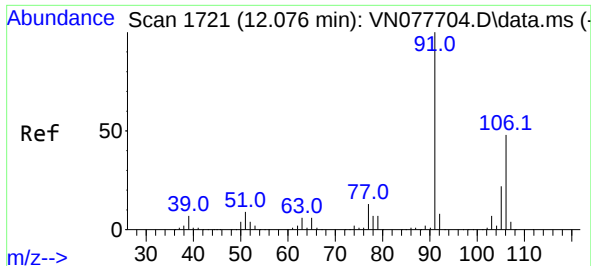
Tgt Ion: 95 Resp: 288797  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 143.8  
176 70.7 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 117 Resp: 687054  
Ion Ratio Lower Upper  
117 100  
82 56.7 44.0 66.0  
119 32.1 25.6 38.4

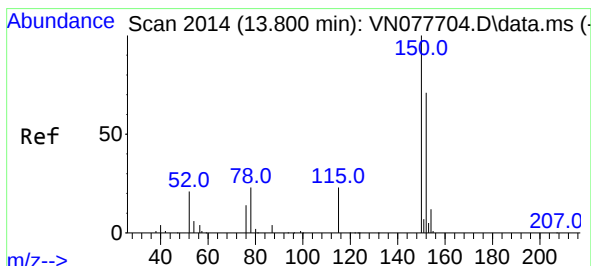
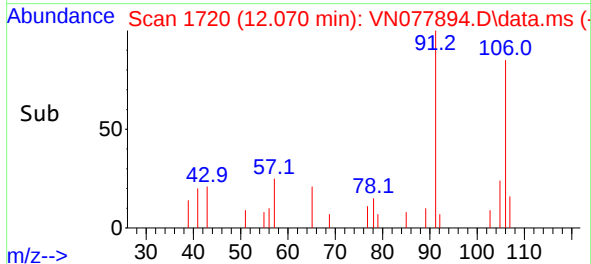
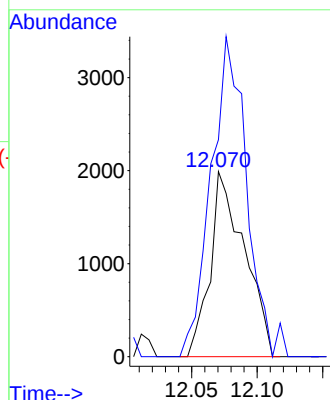
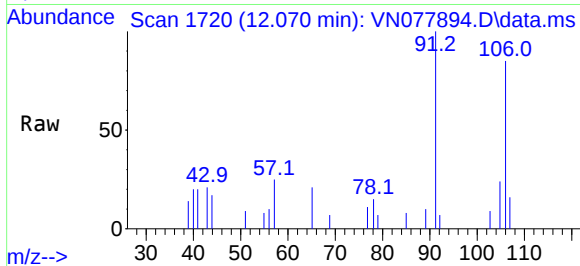




#68  
m/p-Xylenes  
Concen: 0.358 ug/l  
RT: 12.070 min Scan# 1721  
Delta R.T. -0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

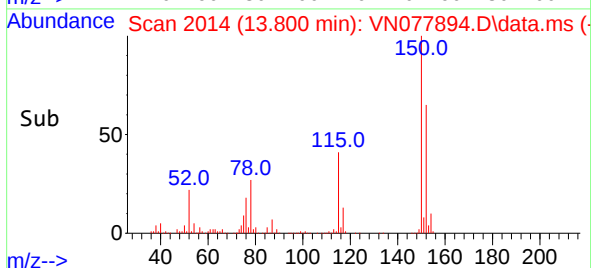
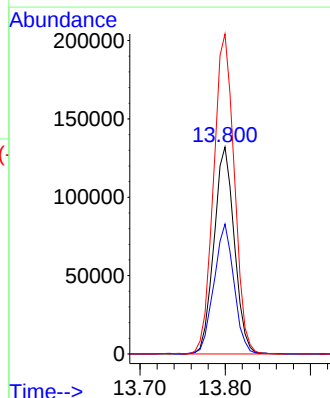
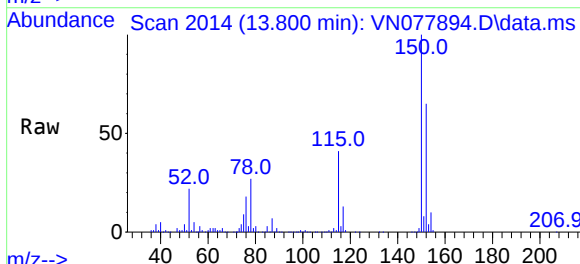
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

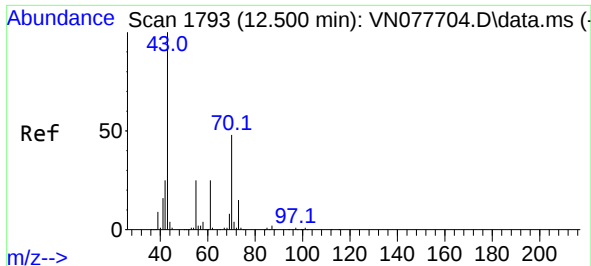
Tgt Ion:106 Resp: 3618  
Ion Ratio Lower Upper  
106 100  
91 180.1 159.6 239.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

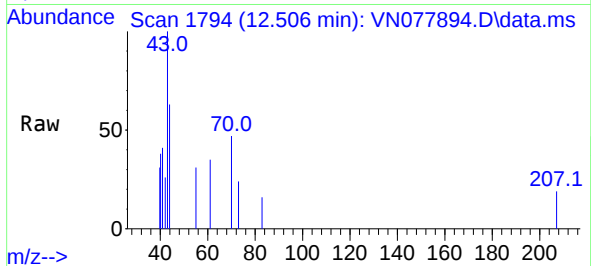
Tgt Ion:152 Resp: 219439  
Ion Ratio Lower Upper  
152 100  
115 62.1 32.3 96.8  
150 157.9 0.0 355.8





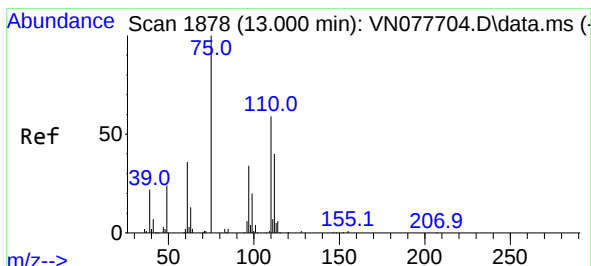
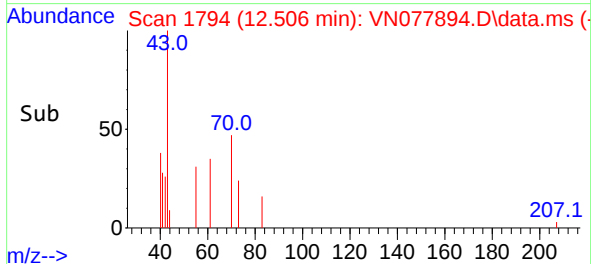
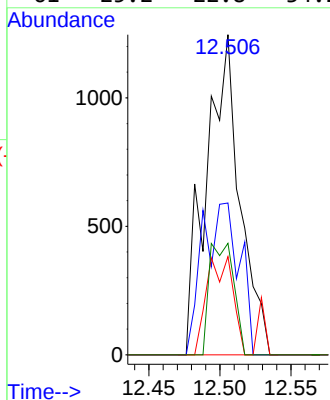
#74  
N-amy1 acetate  
Concen: 0.295 ug/l  
RT: 12.506 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01



Tgt Ion: 43 Resp: 2061

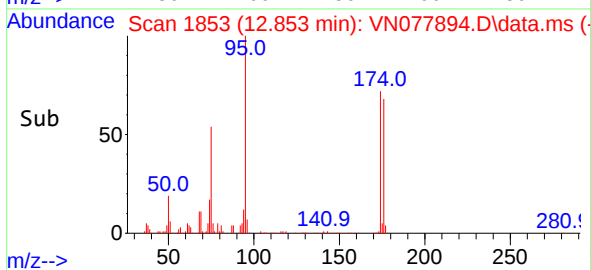
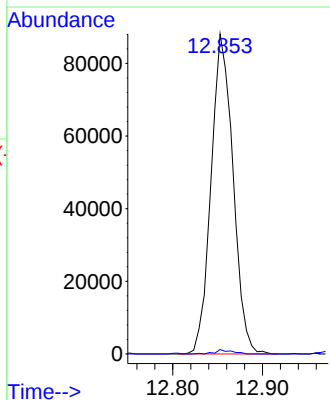
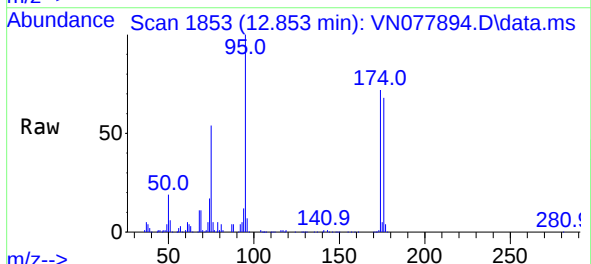
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 51.6  | 43.4  | 65.2  |
| 55  | 23.6  | 21.4  | 32.0  |
| 61  | 25.2  | 22.8  | 34.2  |

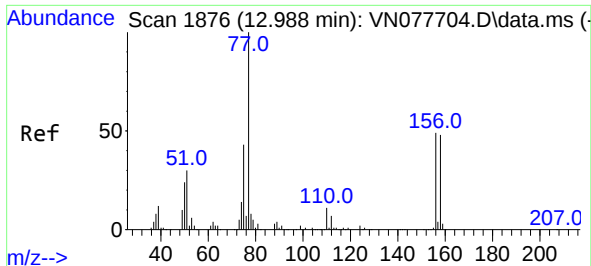


#76  
1,2,3-Trichloropropane  
Concen: 27.220 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.147 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 75 Resp: 149591

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 77  | 1.0   | 84.5  | 253.5# |

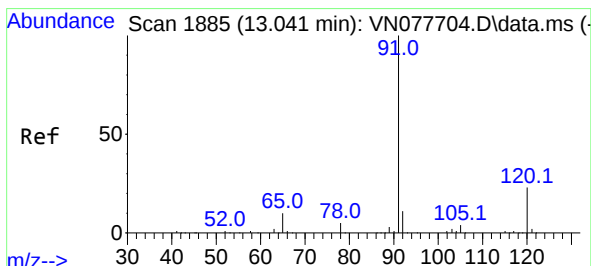
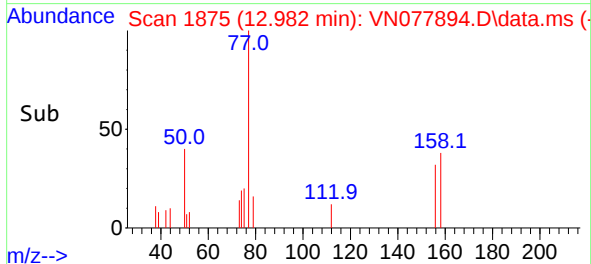
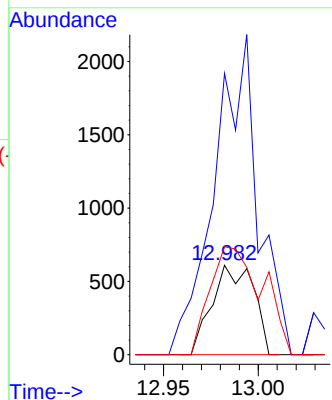
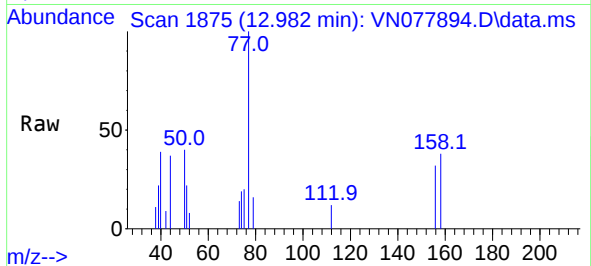




#77  
Bromobenzene  
Concen: 0.216 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. -0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

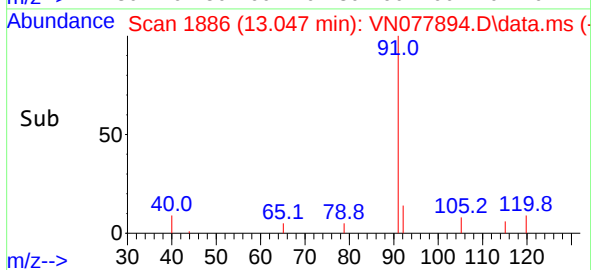
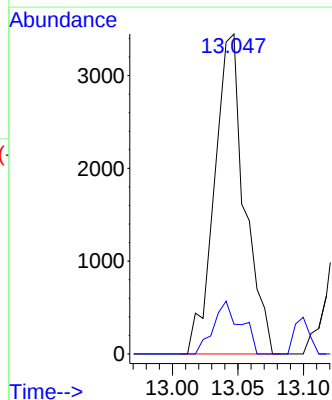
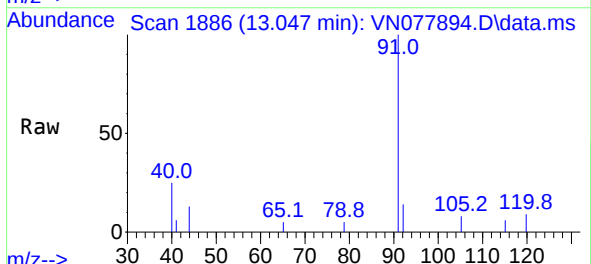
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

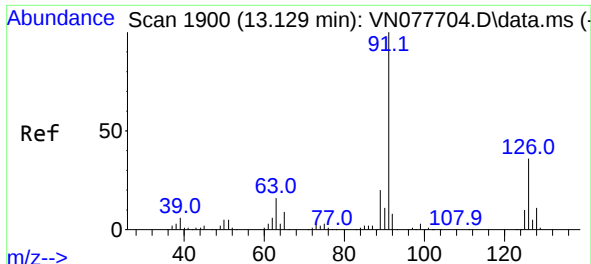
Tgt Ion:156 Resp: 932  
Ion Ratio Lower Upper  
156 100  
77 374.6 107.7 323.3#  
158 152.7 48.4 145.3#



#78  
n-propylbenzene  
Concen: 0.247 ug/l  
RT: 13.047 min Scan# 1886  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 91 Resp: 5514  
Ion Ratio Lower Upper  
91 100  
120 15.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.205 ug/l

RT: 13.135 min Scan# 1900

Delta R.T. 0.006 min

Lab File: VN077894.D

Acq: 25 May 2023 11:54

Instrument :

MSVOA\_N

ClientSampleId :

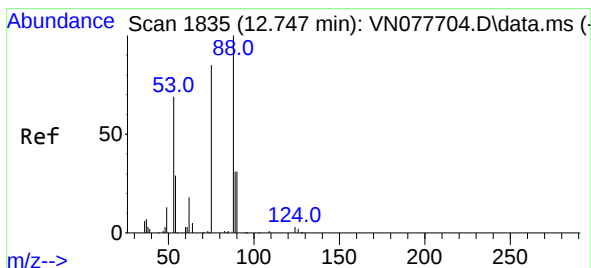
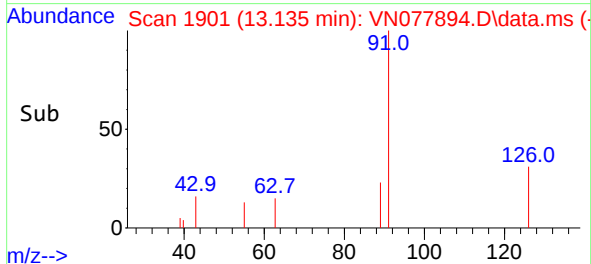
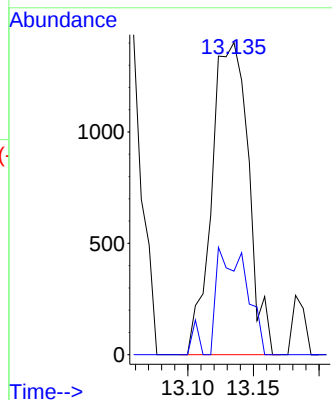
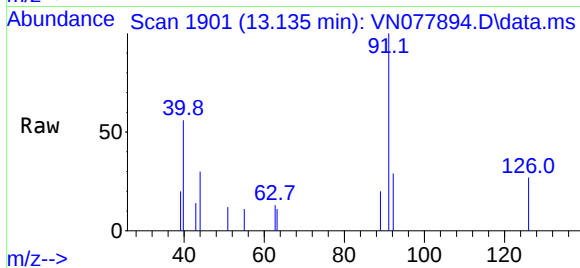
VN0525MBL01

Tgt Ion: 91 Resp: 2723

Ion Ratio Lower Upper

91 100

126 29.8 16.3 48.8



#81

trans-1,4-Dichloro-2-butene

Concen: 87.011 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN077894.D

Acq: 25 May 2023 11:54

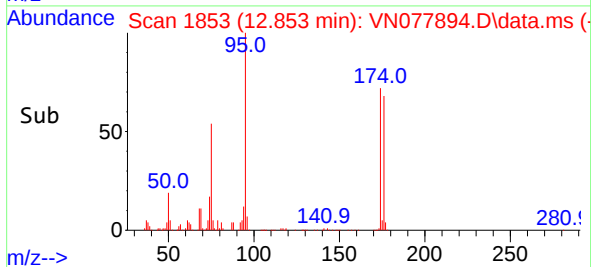
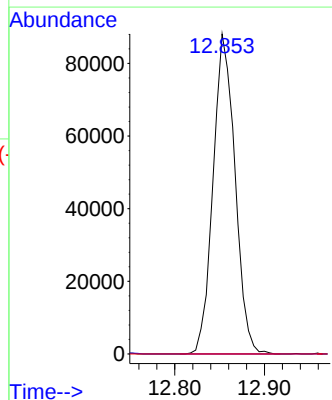
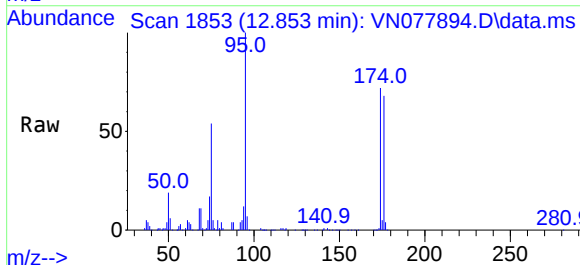
Tgt Ion: 75 Resp: 149591

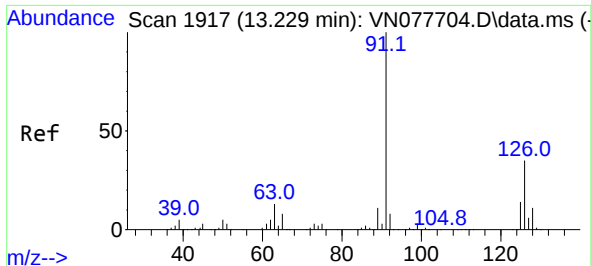
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

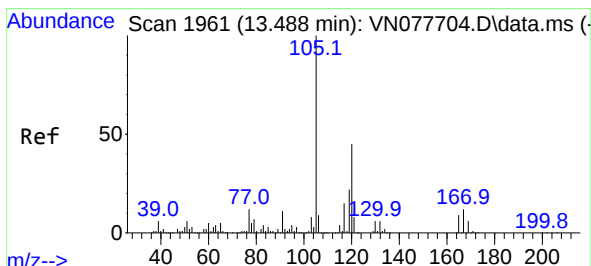
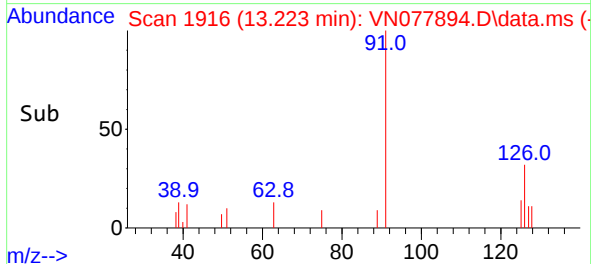
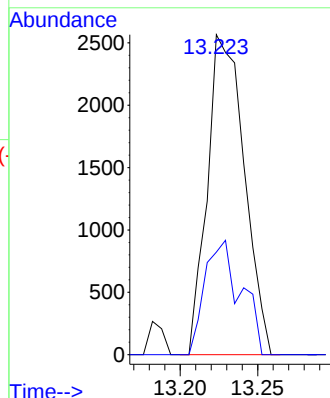
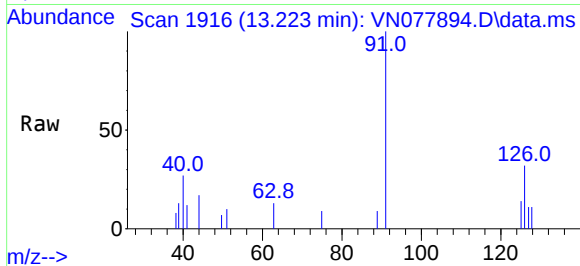




#82  
4-Chlorotoluene  
Concen: 0.320 ug/l  
RT: 13.223 min Scan# 1917  
Delta R.T. -0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

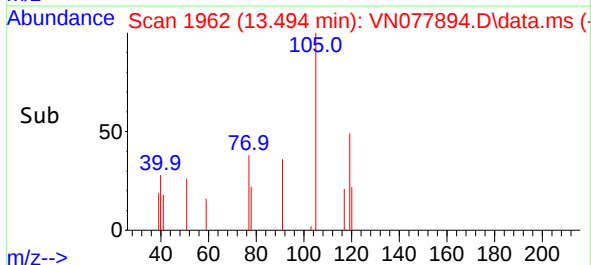
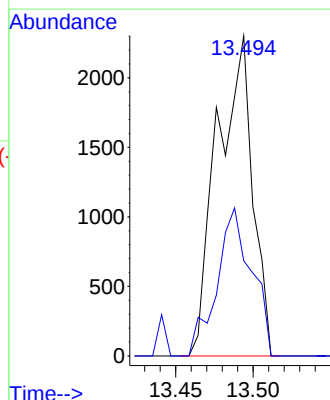
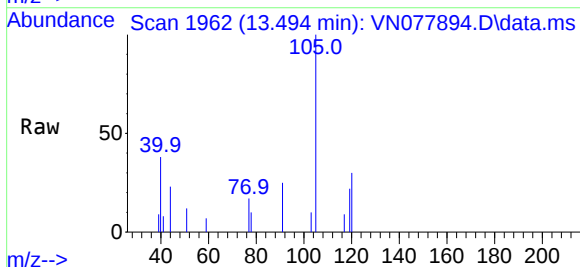
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

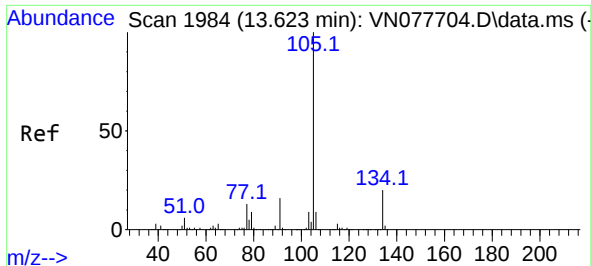
Tgt Ion: 91 Resp: 4242  
Ion Ratio Lower Upper  
91 100  
126 34.8 16.7 50.0



#84  
1,2,4-Trimethylbenzene  
Concen: 0.233 ug/l  
RT: 13.494 min Scan# 1962  
Delta R.T. 0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 105 Resp: 3639  
Ion Ratio Lower Upper  
105 100  
120 45.6 22.0 66.0

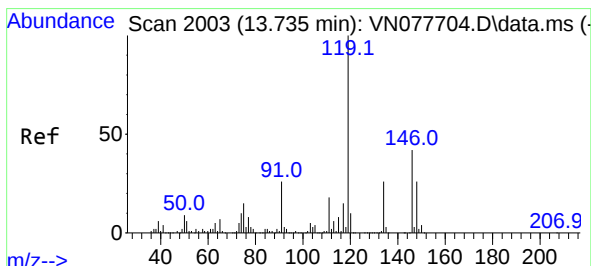
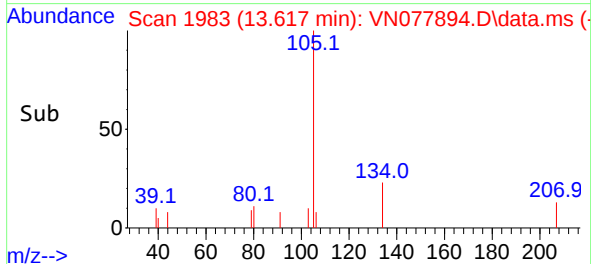
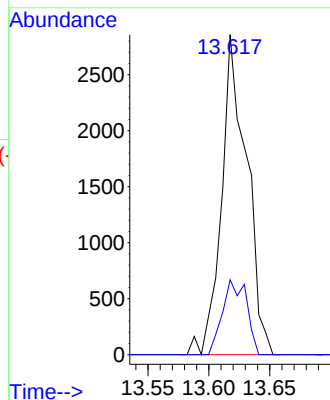
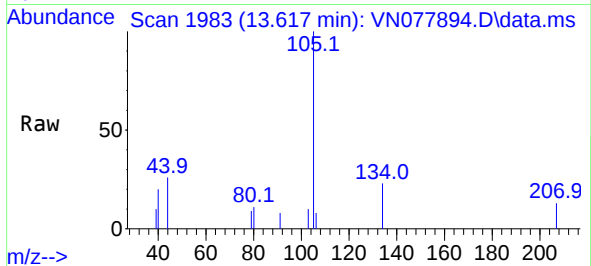




#85  
 sec-Butylbenzene  
 Concen: 0.209 ug/l  
 RT: 13.617 min Scan# 1984  
 Delta R.T. -0.006 min  
 Lab File: VN077894.D  
 Acq: 25 May 2023 11:54

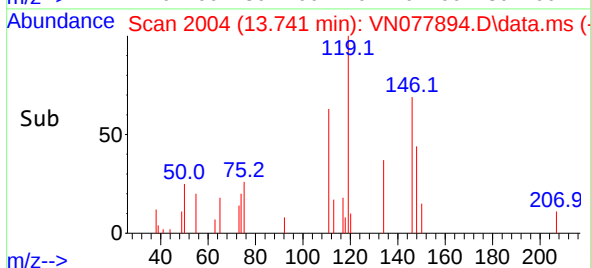
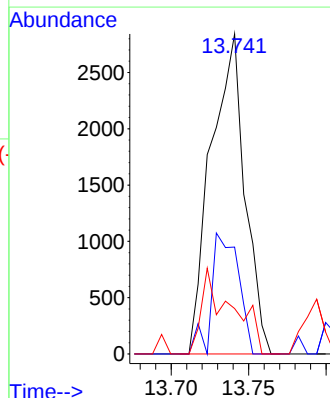
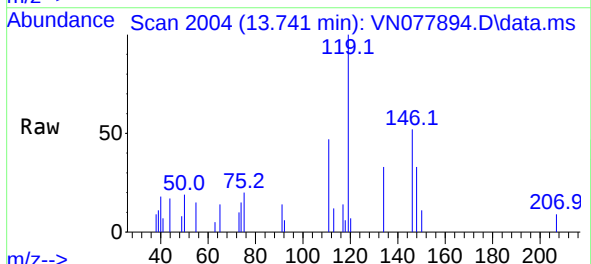
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0525MBL01

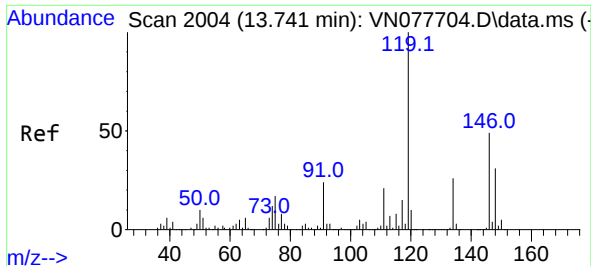
Tgt Ion:105 Resp: 4115  
 Ion Ratio Lower Upper  
 105 100  
 134 22.3 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 0.275 ug/l  
 RT: 13.741 min Scan# 2004  
 Delta R.T. 0.006 min  
 Lab File: VN077894.D  
 Acq: 25 May 2023 11:54

Tgt Ion:119 Resp: 4327  
 Ion Ratio Lower Upper  
 119 100  
 134 30.0 12.6 37.8  
 91 23.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.433 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VN077894.D

Acq: 25 May 2023 11:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0525MBL01

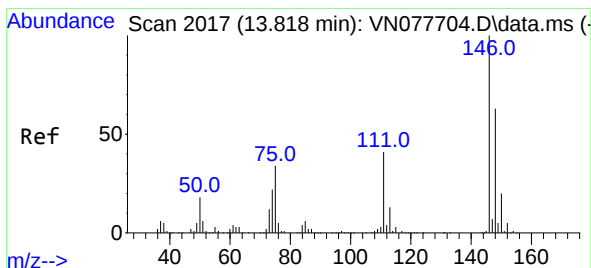
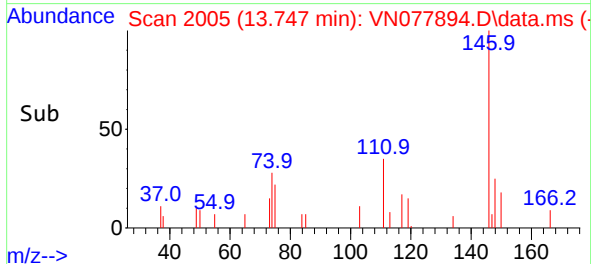
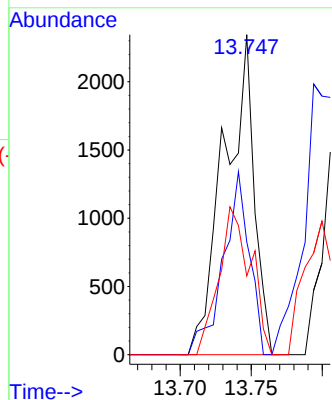
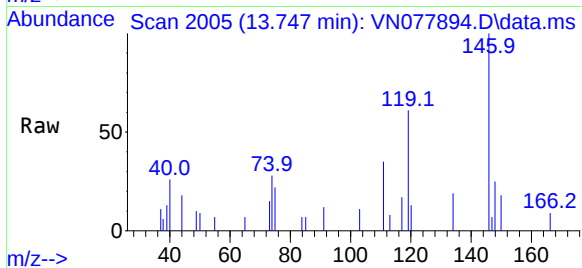
Tgt Ion:146 Resp: 3457

Ion Ratio Lower Upper

146 100

111 49.3 22.1 66.3

148 48.9 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.436 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. -0.070 min

Lab File: VN077894.D

Acq: 25 May 2023 11:54

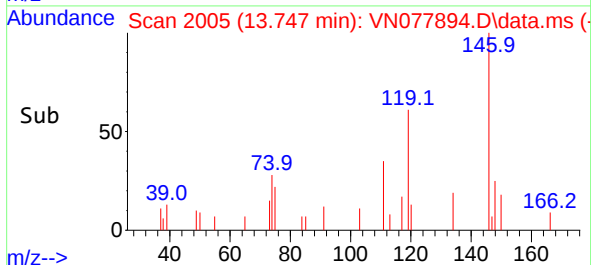
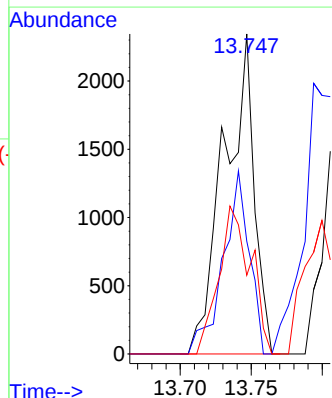
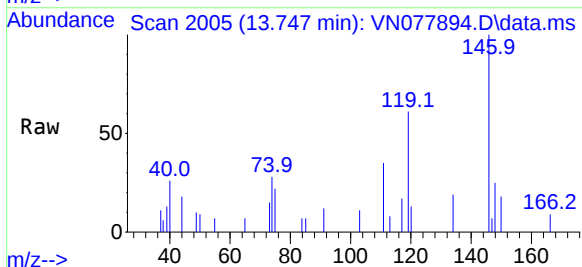
Tgt Ion:146 Resp: 3457

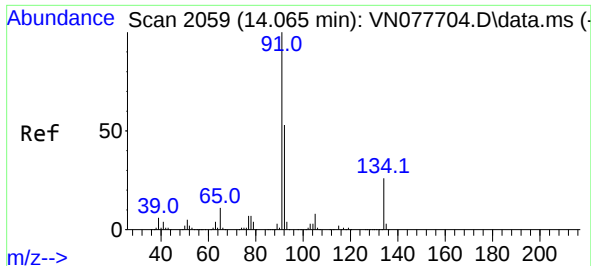
Ion Ratio Lower Upper

146 100

111 49.3 20.6 61.8

148 48.9 31.6 94.8





#89

n-Butylbenzene

Concen: 0.324 ug/l

RT: 14.064 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VN077894.D

Acq: 25 May 2023 11:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0525MBL01

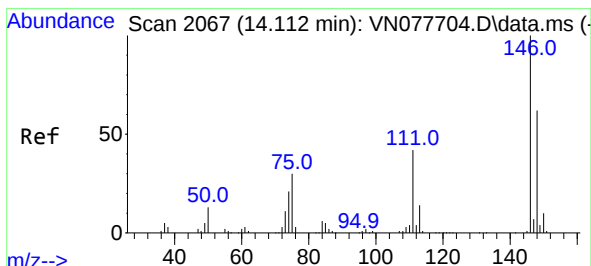
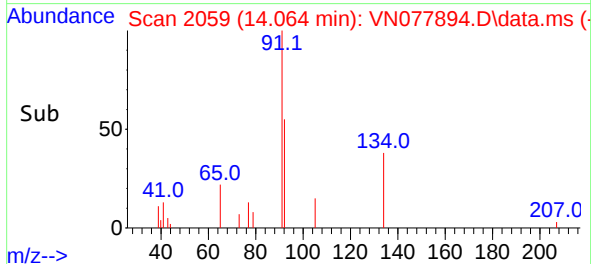
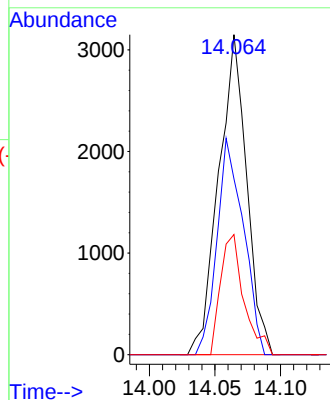
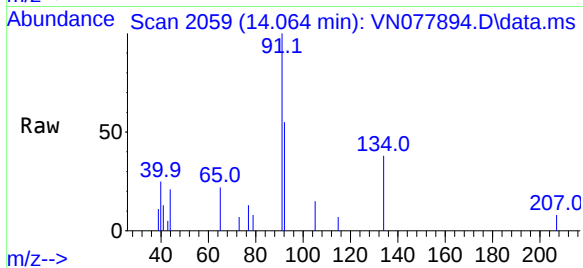
Tgt Ion: 91 Resp: 4682

Ion Ratio Lower Upper

91 100

92 63.6 26.4 79.0

134 31.2 12.6 37.6



#91

1,2-Dichlorobenzene

Concen: 0.470 ug/l

RT: 14.117 min Scan# 2068

Delta R.T. 0.006 min

Lab File: VN077894.D

Acq: 25 May 2023 11:54

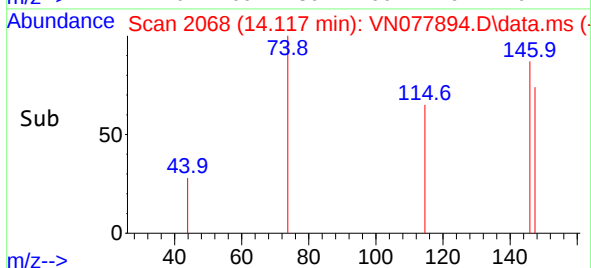
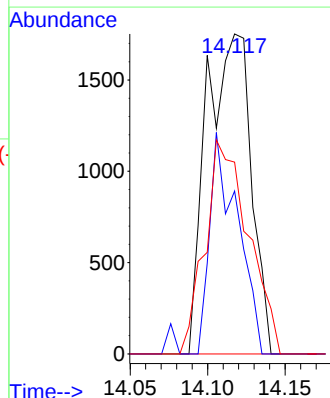
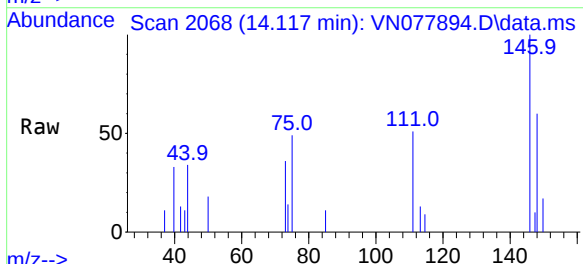
Tgt Ion: 146 Resp: 3507

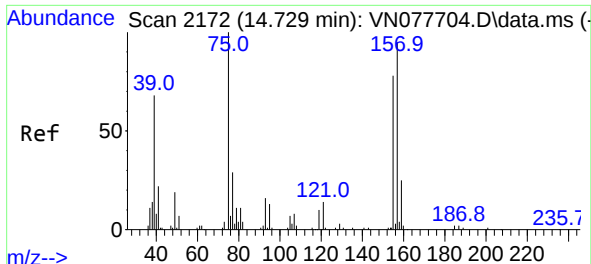
Ion Ratio Lower Upper

146 100

111 43.1 22.0 66.0

148 64.8 31.8 95.3

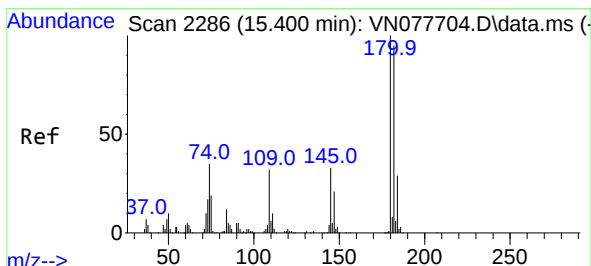
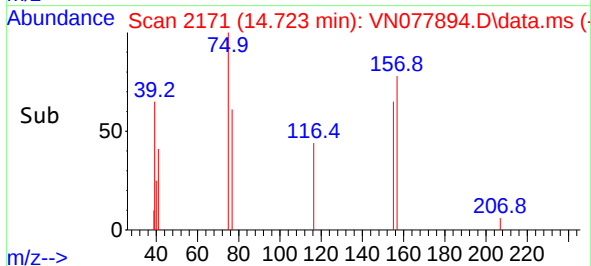
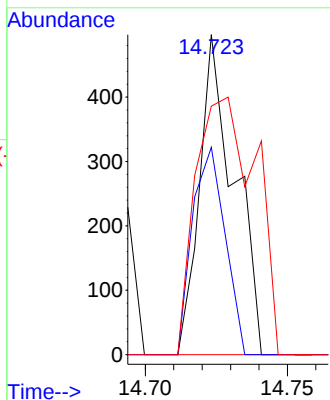
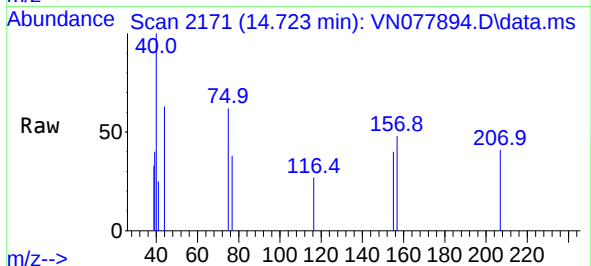




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.375 ug/l  
RT: 14.723 min Scan# 2172  
Delta R.T. 0.000 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

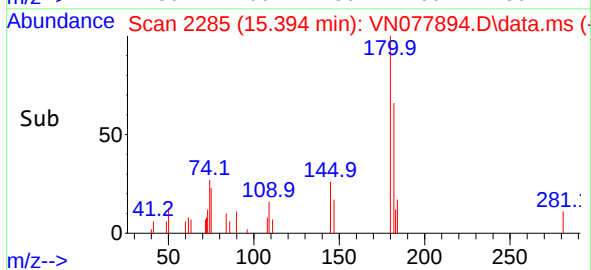
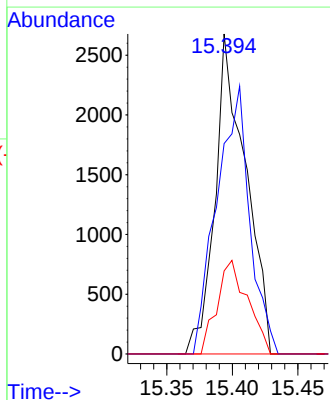
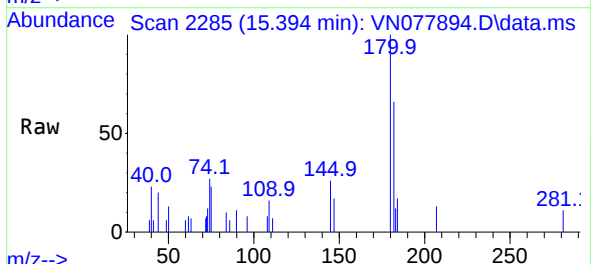
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MSVOA\_N  
ClientSampleId :  
VN0525MBL01

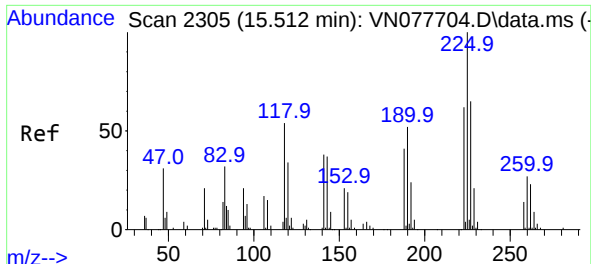
Tgt Ion: 75 Resp: 423  
Ion Ratio Lower Upper  
75 100  
155 60.5 39.1 117.2  
157 138.3 50.3 150.9



#93  
1,2,4-Trichlorobenzene  
Concen: 0.996 ug/l  
RT: 15.394 min Scan# 2285  
Delta R.T. -0.006 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

Tgt Ion: 180 Resp: 4341  
Ion Ratio Lower Upper  
180 100  
182 90.0 46.1 138.2  
145 29.2 16.6 49.8

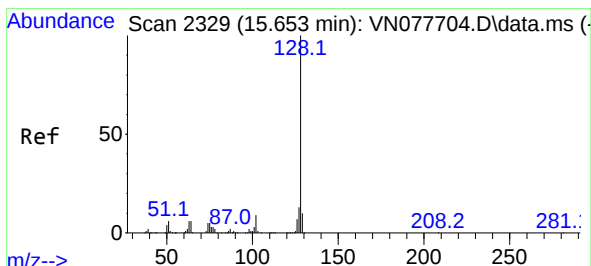
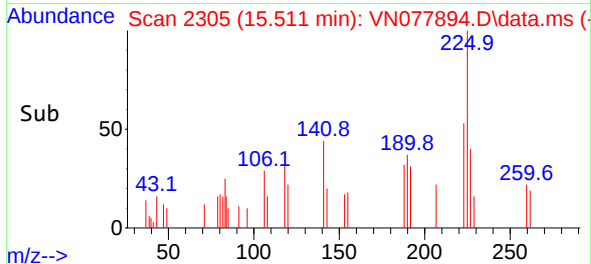
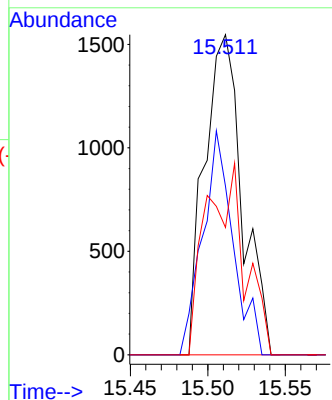
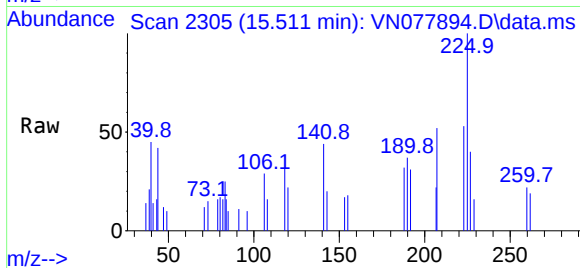




#94  
Hexachlorobutadiene  
Concen: 1.452 ug/l  
RT: 15.511 min Scan# 21  
Delta R.T. 0.005 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

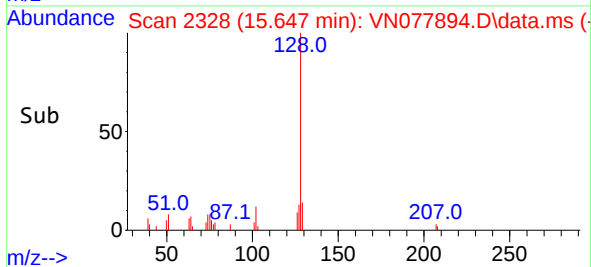
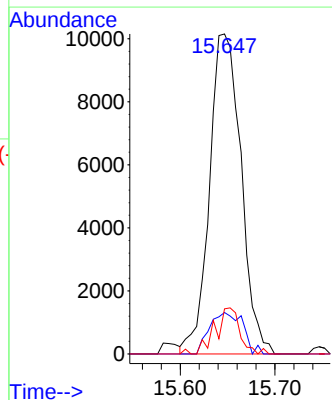
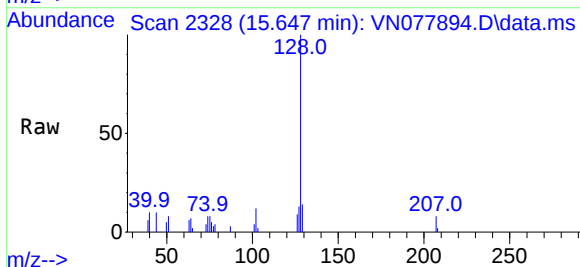
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0525MBL01

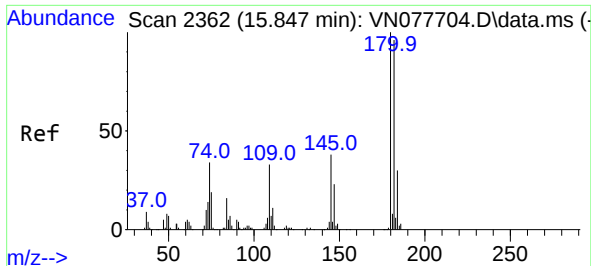
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 2627  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 56.1  | 31.3  | 93.8  |
| 227      | 60.9  | 31.9  | 95.9  |



#95  
Naphthalene  
Concen: 1.568 ug/l  
RT: 15.647 min Scan# 2328  
Delta R.T. -0.000 min  
Lab File: VN077894.D  
Acq: 25 May 2023 11:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 23528 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.7  | 10.0  | 15.0  |
| 129      | 11.4  | 8.7   | 13.1  |





#96

1,2,3-Trichlorobenzene

Concen: 1.461 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077894.D

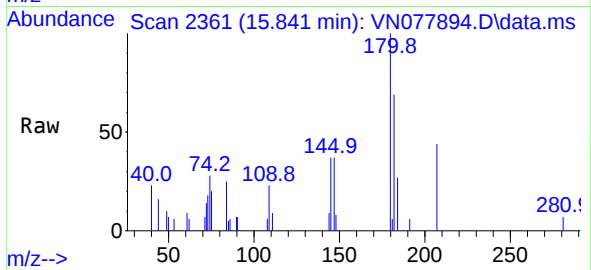
Acq: 25 May 2023 11:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0525MBL01



Tgt Ion:180 Resp: 6234

Ion Ratio Lower Upper

180 100

182 81.6 46.2 138.6

145 26.2 17.5 52.6

