

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112024\  
 Data File : VN084965.D  
 Acq On : 20 Nov 2024 13:44  
 Operator : JC\MD  
 Sample : P4864-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MONTCLAIR-TOTE-2

Quant Time: Nov 20 14:02:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

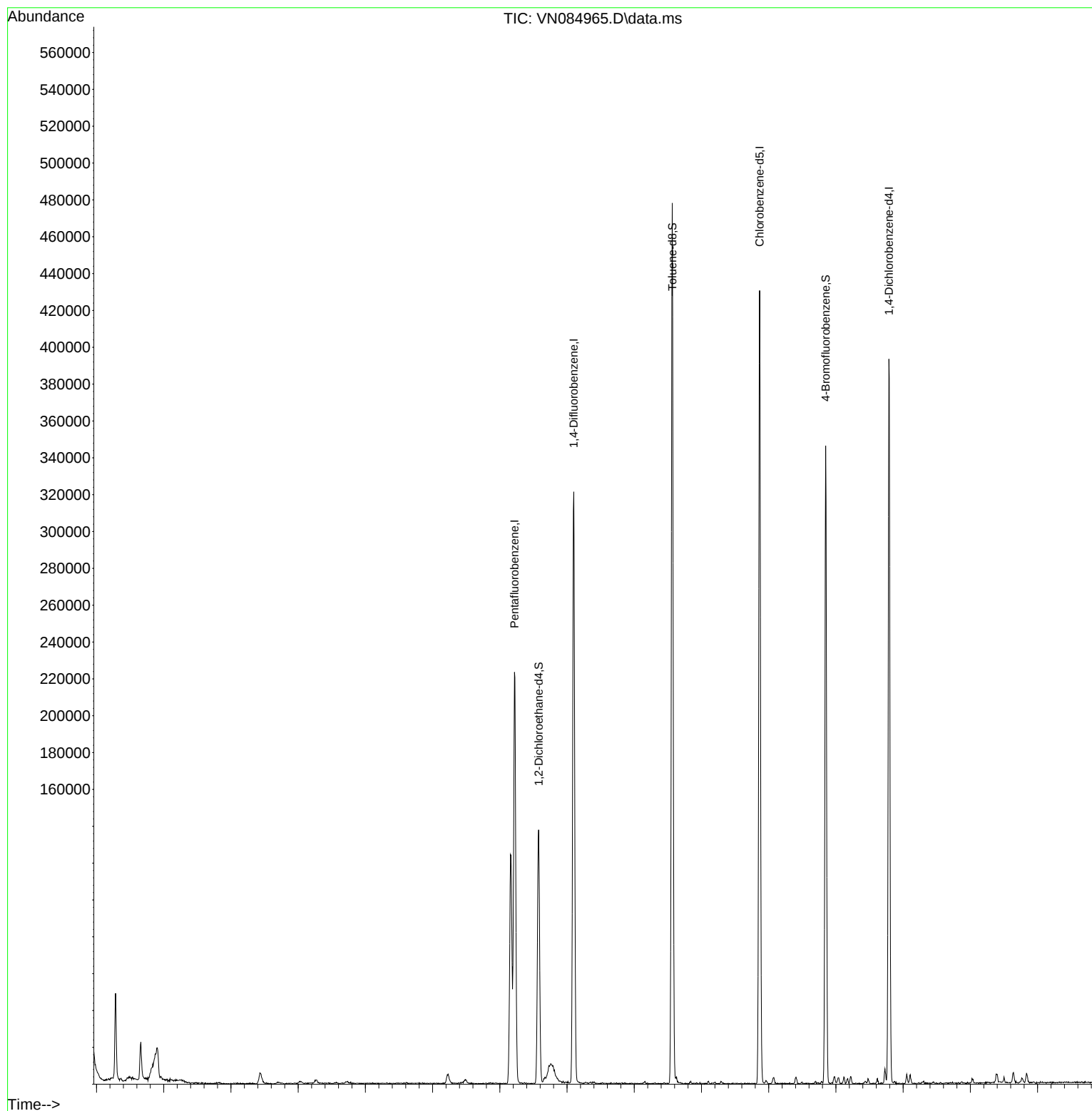
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.218          | 168  | 156715              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.101          | 114  | 283399              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 245848              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 104918              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 115168              | 50.881 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 101.760% |        |        |          |
| 35) Dibromofluoromethane    | 8.159          | 113  | 92305               | 48.119 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 96.240%  |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 328368              | 46.470 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 92.940%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 122139              | 46.249 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 92.500%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
|                             |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 4.430          | 43   | 10777               | 13.787 | ug/l   | 94       |
| 65) Chlorobenzene           | 11.894         | 112  | 1427                | 0.259  | ug/l # | 86       |
| 68) m/p-Xylenes             | 12.077         | 106  | 1260                | 0.363  | ug/l   | 77       |
| 70) Styrene                 | 12.406         | 104  | 1492                | 0.263  | ug/l   | 94       |
| 77) Bromobenzene            | 12.983         | 156  | 998                 | 0.505  | ug/l   | 88       |
| 78) n-propylbenzene         | 13.036         | 91   | 3816                | 0.443  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene  | 13.177         | 105  | 1576                | 0.259  | ug/l   | 92       |
| 82) 4-Chlorotoluene         | 13.218         | 91   | 3120                | 0.527  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene  | 13.483         | 105  | 1539                | 0.245  | ug/l   | 95       |
| 85) sec-Butylbenzene        | 13.612         | 105  | 1979                | 0.278  | ug/l   | 89       |
| 86) p-Isopropyltoluene      | 13.730         | 119  | 1822                | 0.312  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene     | 13.736         | 146  | 2860                | 0.741  | ug/l   | 98       |
| 89) n-Butylbenzene          | 14.053         | 91   | 3103                | 0.568  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene     | 14.106         | 146  | 2173                | 0.586  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene  | 15.388         | 180  | 2062                | 1.016  | ug/l   | 92       |
| 95) Naphthalene             | 15.641         | 128  | 6231                | 1.026  | ug/l   | 95       |
| -----                       |                |      |                     |        |        |          |

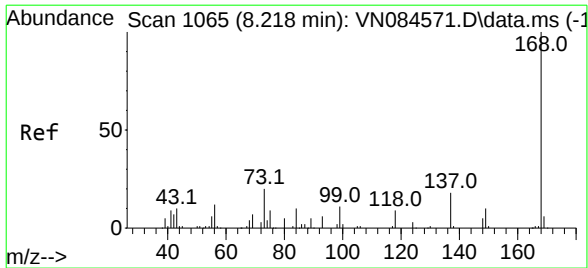
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112024\  
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Sample : P4864-01  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
MONTCLAIR-TOTE-2

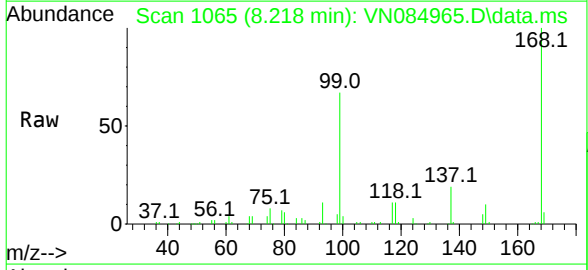
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration



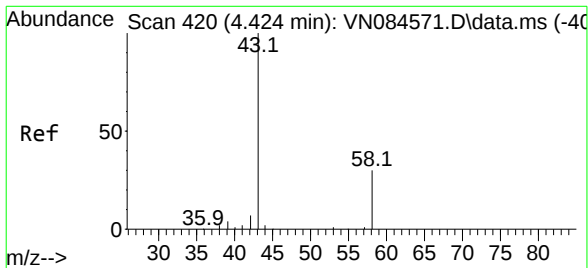
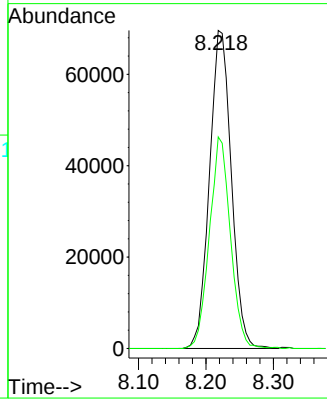
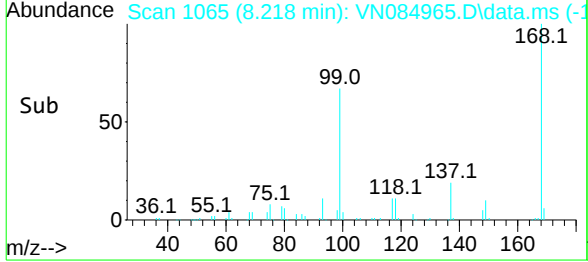


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.218 min Scan# 1065  
 Delta R.T. -0.006 min  
 Lab File: VN084965.D  
 Acq: 20 Nov 2024 13:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MONTCLAIR-TOTE-2

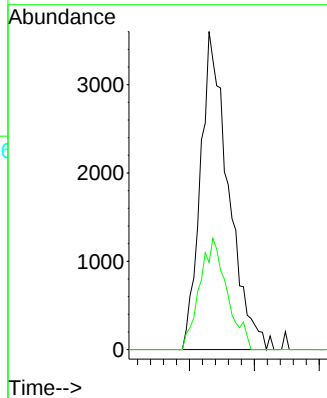
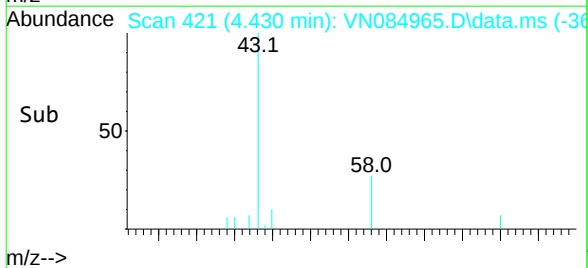
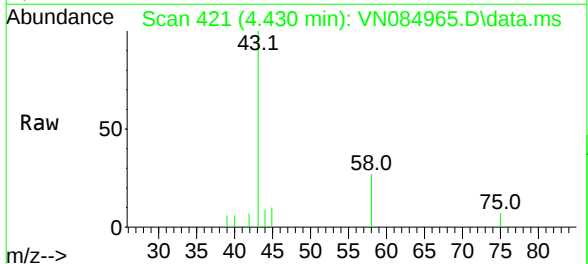


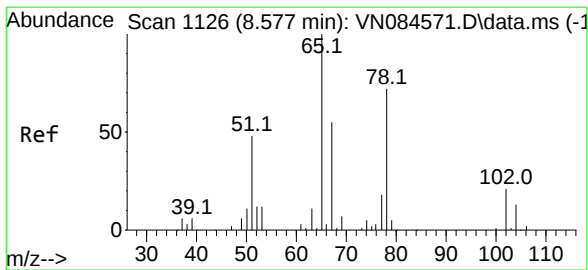
Tgt Ion: 168 Resp: 156715  
 Ion Ratio Lower Upper  
 168 100  
 99 66.5 54.2 81.2



#16  
 Acetone  
 Concen: 13.787 ug/l  
 RT: 4.430 min Scan# 421  
 Delta R.T. 0.006 min  
 Lab File: VN084965.D  
 Acq: 20 Nov 2024 13:44

Tgt Ion: 43 Resp: 10777  
 Ion Ratio Lower Upper  
 43 100  
 58 27.4 24.4 36.6



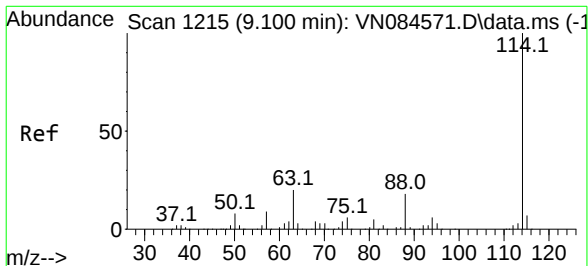
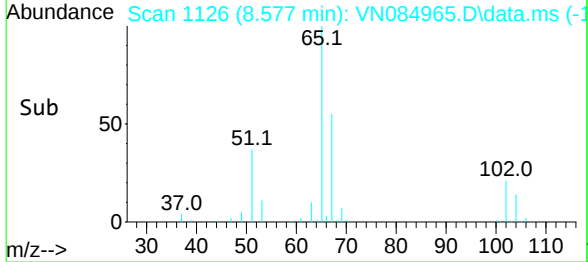
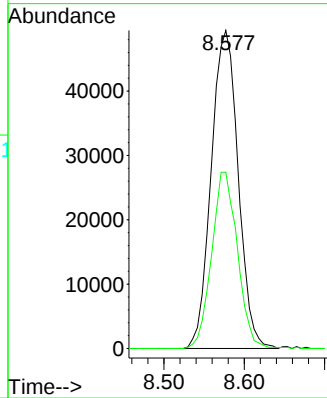
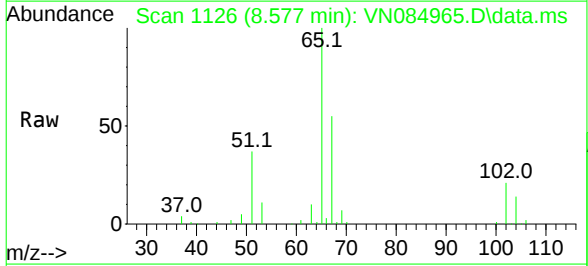


#33  
 1,2-Dichloroethane-d4  
 Concen: 50.881 ug/l  
 RT: 8.577 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VN084965.D  
 Acq: 20 Nov 2024 13:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MONTCLAIR-TOTE-2

Tgt Ion: 65 Resp: 115168  

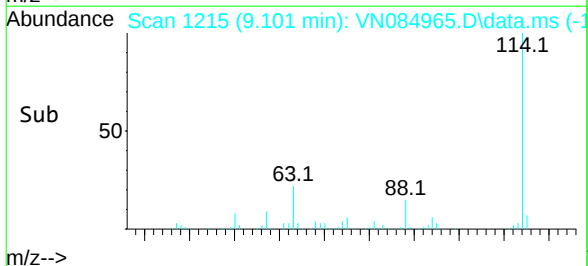
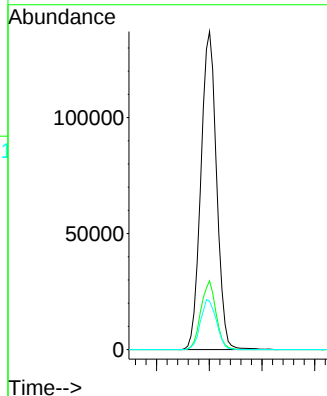
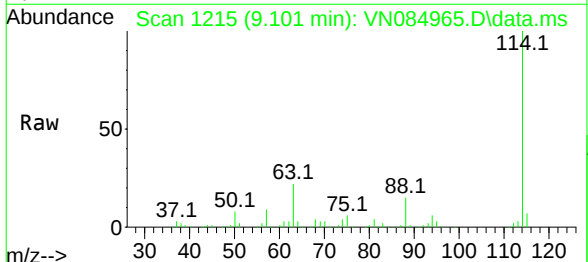
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.2  | 0.0   | 102.0 |

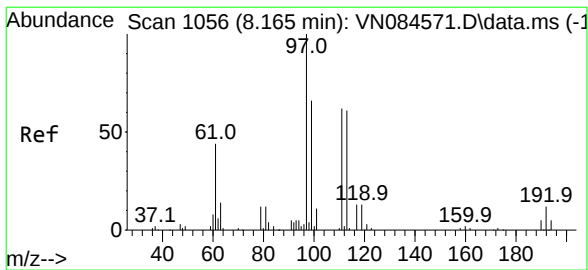


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.101 min Scan# 1215  
 Delta R.T. 0.001 min  
 Lab File: VN084965.D  
 Acq: 20 Nov 2024 13:44

Tgt Ion: 114 Resp: 283399  

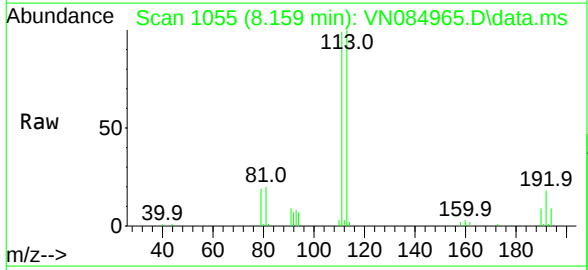
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.6  | 0.0   | 43.8  |
| 88  | 15.2  | 0.0   | 31.6  |



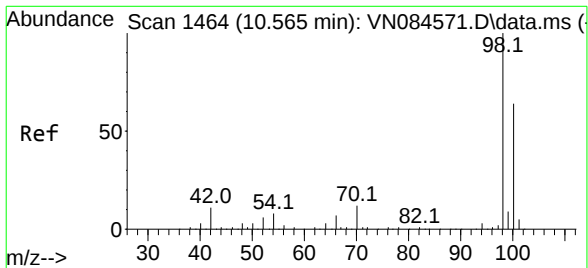
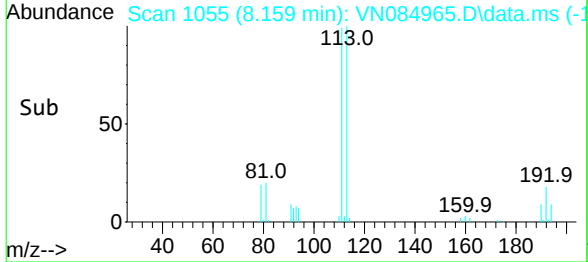
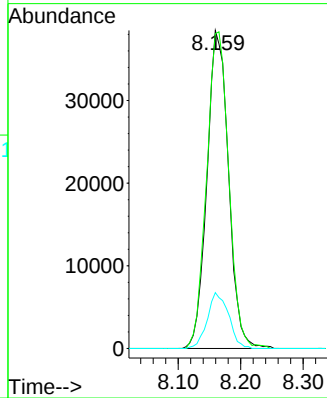


#35  
 Dibromofluoromethane  
 Concen: 48.119 ug/l  
 RT: 8.159 min Scan# 1055  
 Delta R.T. -0.006 min  
 Lab File: VN084965.D  
 Acq: 20 Nov 2024 13:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MONTCLAIR-TOTE-2

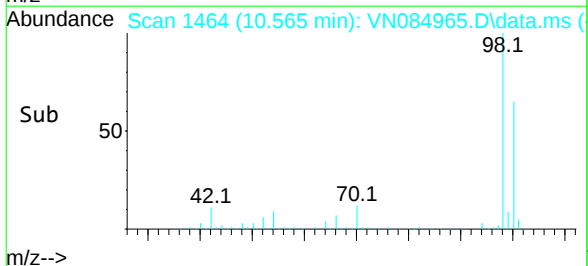
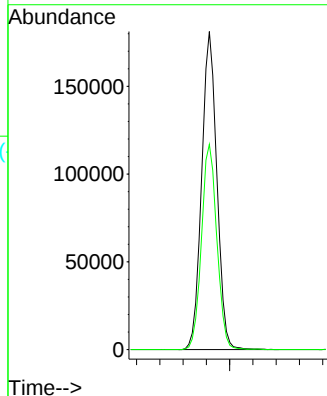
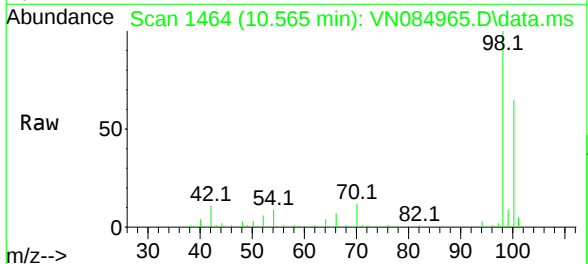


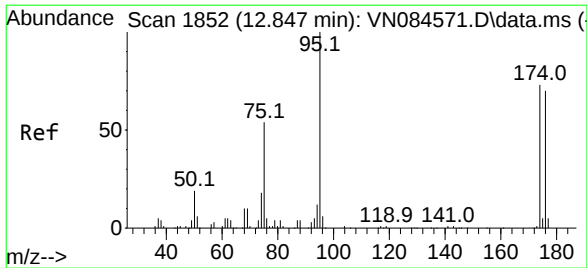
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 92305 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.3 | 83.3  | 124.9 |
| 192      | 17.3  | 13.5  | 20.3  |



#50  
 Toluene-d8  
 Concen: 46.470 ug/l  
 RT: 10.565 min Scan# 1464  
 Delta R.T. 0.000 min  
 Lab File: VN084965.D  
 Acq: 20 Nov 2024 13:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 328368 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.2  | 52.7  | 79.1   |





#62

4-Bromofluorobenzene

Concen: 46.249 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084965.D

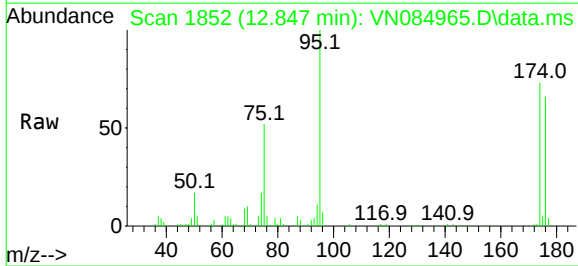
Acq: 20 Nov 2024 13:44

Instrument :

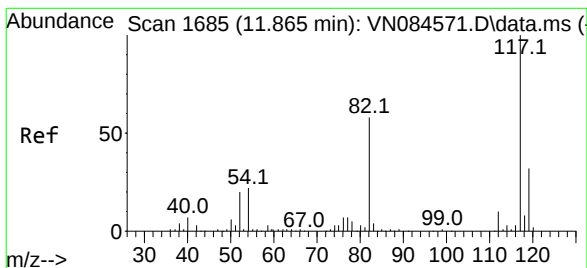
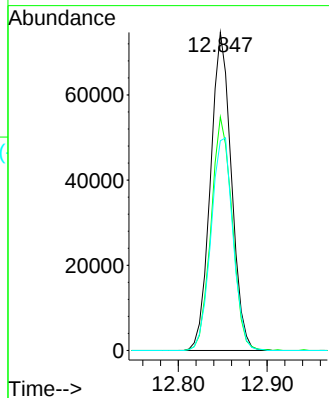
MSVOA\_N

ClientSampleId :

MONTCLAIR-TOTE-2



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 122139 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 74.0  | 0.0   | 145.2  |
| 176       | 70.4  | 0.0   | 140.0  |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

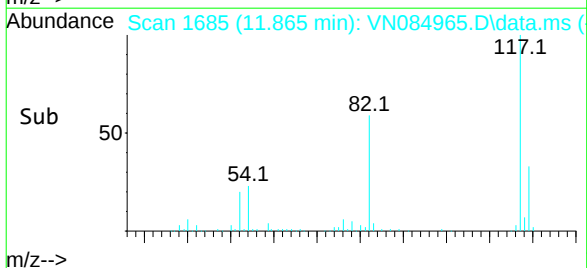
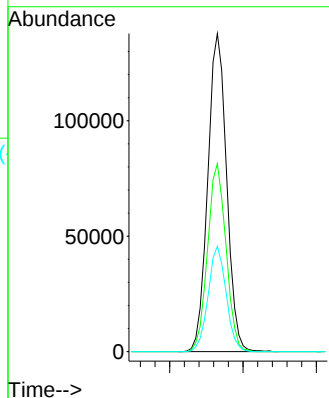
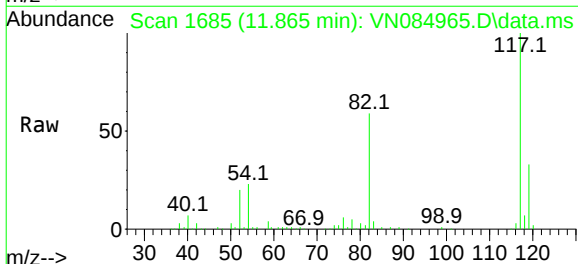
RT: 11.865 min Scan# 1685

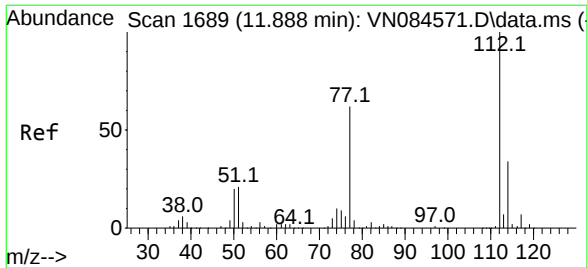
Delta R.T. 0.000 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 245848 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.1  | 47.2  | 70.8   |
| 119       | 33.1  | 25.4  | 38.0   |





#65

Chlorobenzene

Concen: 0.259 ug/l

RT: 11.894 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

Instrument :

MSVOA\_N

ClientSampleId :

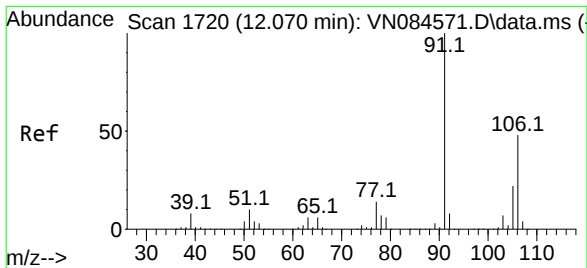
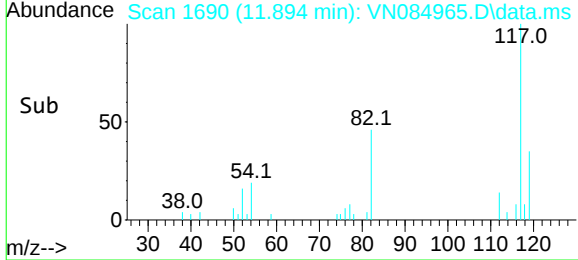
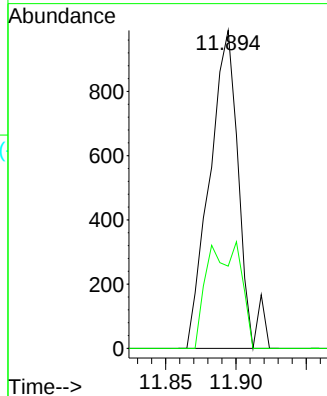
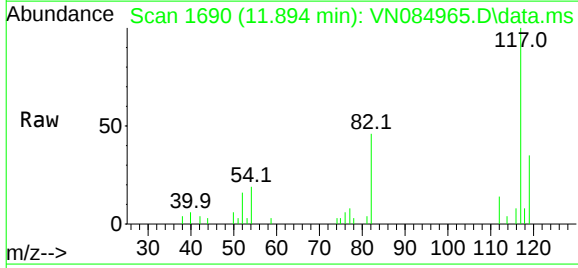
MONTCLAIR-TOTE-2

Tgt Ion:112 Resp: 1427

Ion Ratio Lower Upper

112 100

114 25.9 27.0 40.6#



#68

m/p-Xylenes

Concen: 0.363 ug/l

RT: 12.077 min Scan# 1721

Delta R.T. 0.006 min

Lab File: VN084965.D

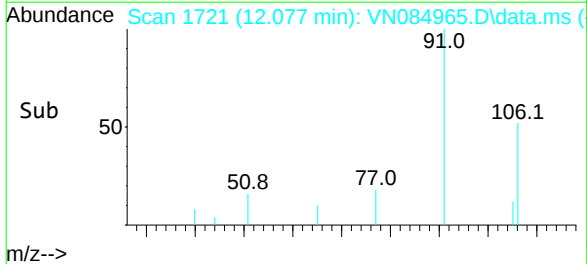
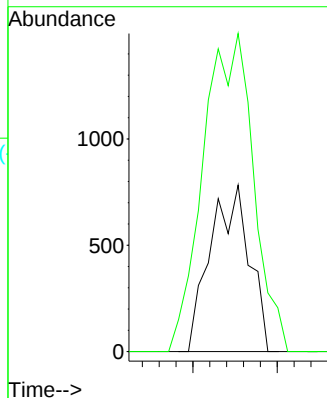
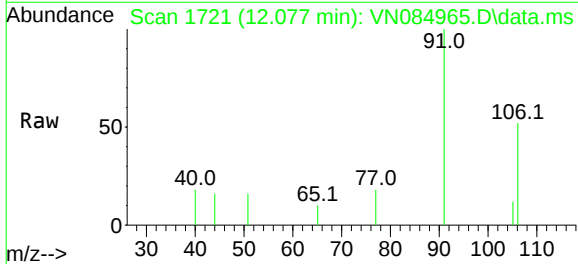
Acq: 20 Nov 2024 13:44

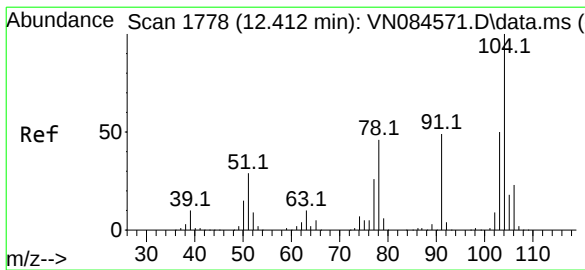
Tgt Ion:106 Resp: 1260

Ion Ratio Lower Upper

106 100

91 245.3 167.1 250.7





#70

Styrene

Concen: 0.263 ug/l

RT: 12.406 min Scan# 17

Delta R.T. -0.006 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

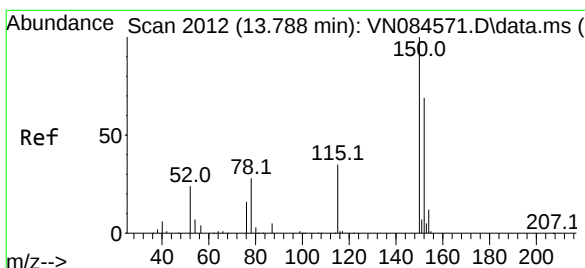
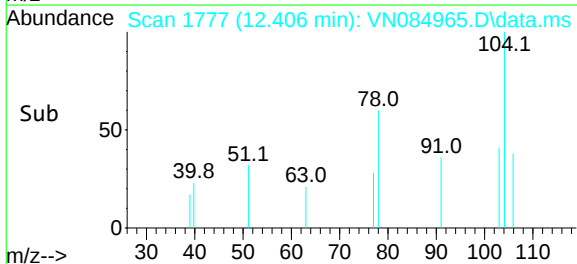
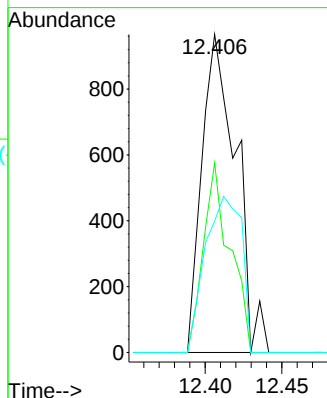
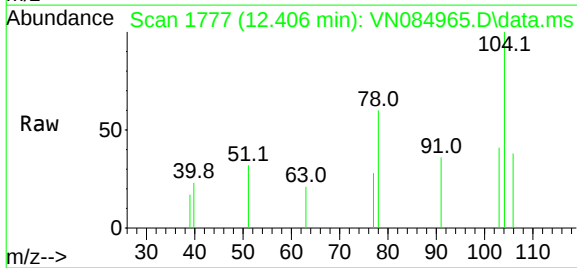
Instrument :

MSVOA\_N

ClientSampleId :

MONTCLAIR-TOTE-2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 104   | Resp: | 1492  |
| Ion      | Ratio | Lower | Upper |
| 104      | 100   |       |       |
| 78       | 46.4  | 42.7  | 64.1  |
| 103      | 52.3  | 43.6  | 65.4  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

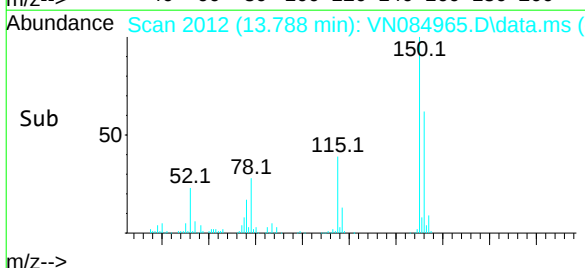
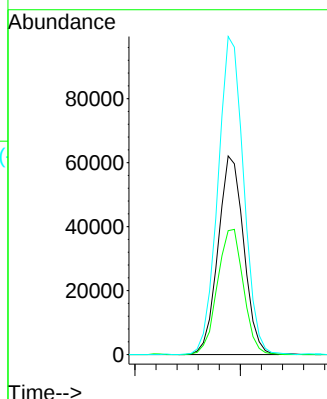
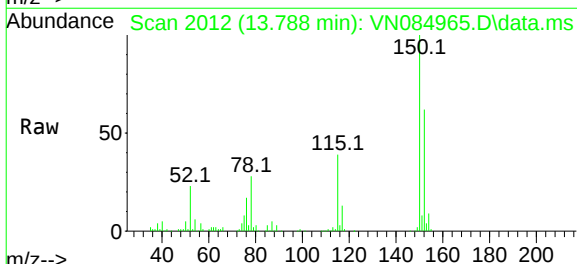
RT: 13.788 min Scan# 2012

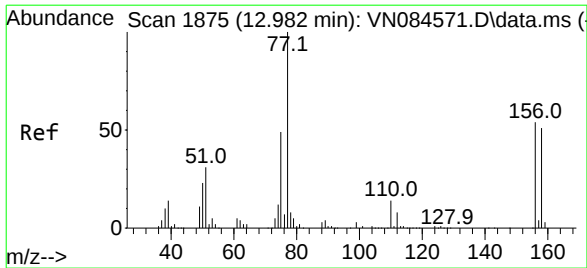
Delta R.T. 0.000 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 104918 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 64.0  | 31.3  | 93.9   |
| 150      | 160.9 | 0.0   | 349.8  |

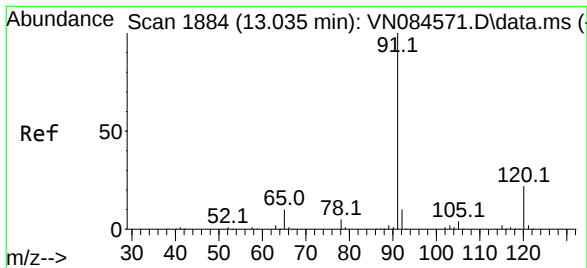
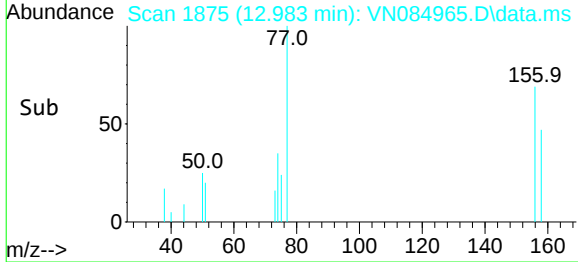
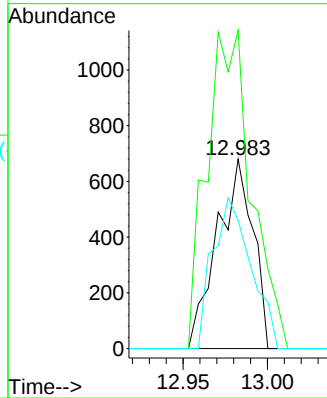
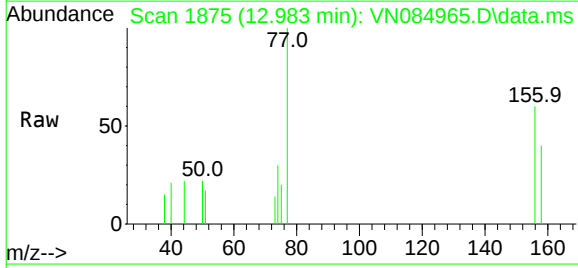




#77  
Bromobenzene  
Concen: 0.505 ug/l  
RT: 12.983 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN084965.D  
Acq: 20 Nov 2024 13:44

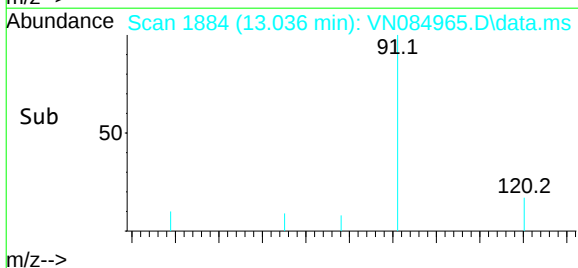
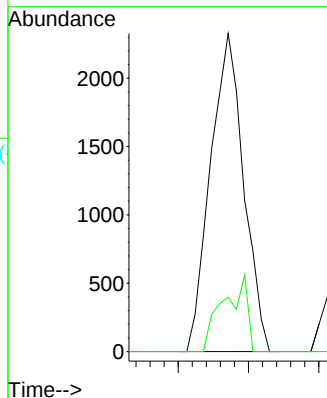
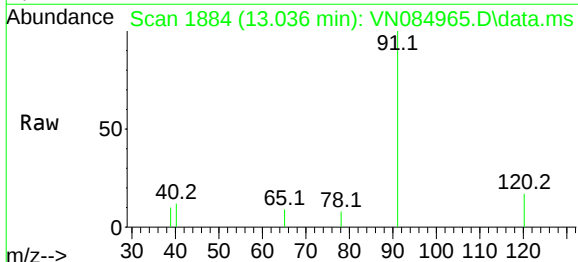
Instrument :  
MSVOA\_N  
ClientSampleId :  
MONTCLAIR-TOTE-2

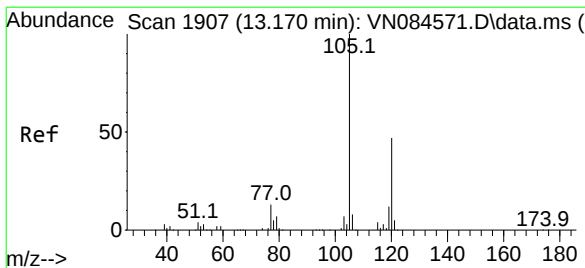
Tgt Ion: 156 Resp: 998  
Ion Ratio Lower Upper  
156 100  
77 210.0 115.1 345.3  
158 85.4 48.9 146.8



#78  
n-propylbenzene  
Concen: 0.443 ug/l  
RT: 13.036 min Scan# 1884  
Delta R.T. 0.001 min  
Lab File: VN084965.D  
Acq: 20 Nov 2024 13:44

Tgt Ion: 91 Resp: 3816  
Ion Ratio Lower Upper  
91 100  
120 17.5 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 13.177 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

Instrument :

MSVOA\_N

ClientSampleId :

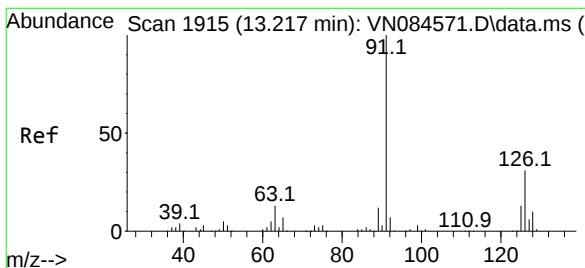
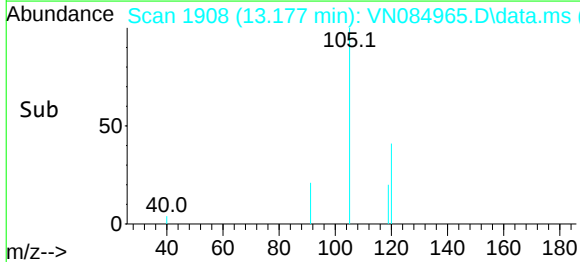
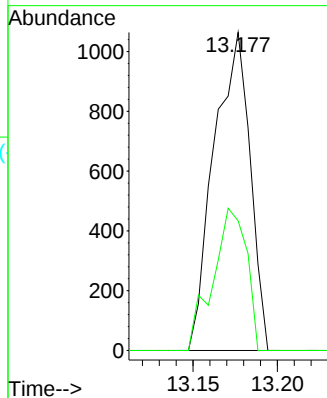
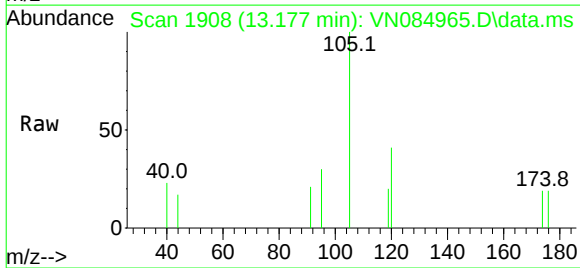
MONTCLAIR-TOTE-2

Tgt Ion:105 Resp: 1576

Ion Ratio Lower Upper

105 100

120 41.9 23.7 71.1



#82

4-Chlorotoluene

Concen: 0.527 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VN084965.D

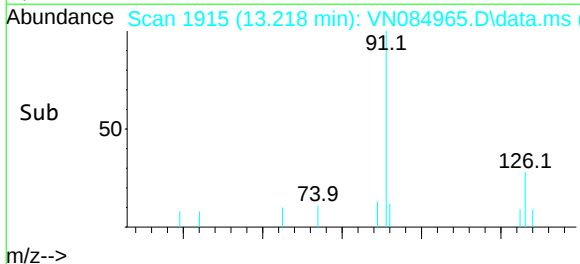
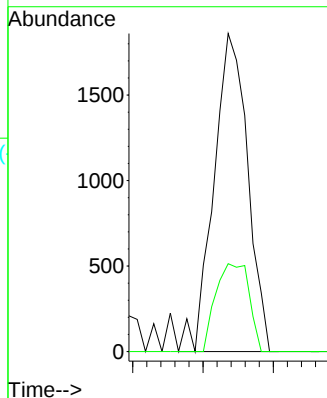
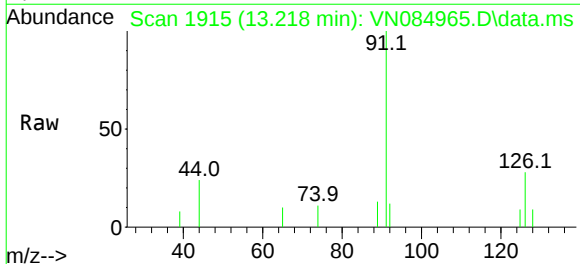
Acq: 20 Nov 2024 13:44

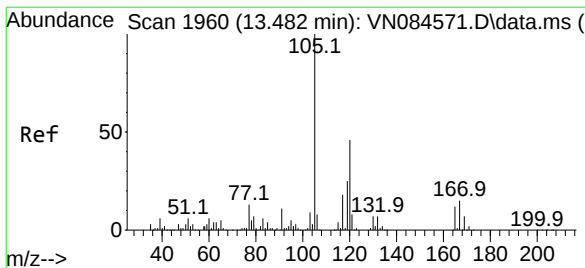
Tgt Ion: 91 Resp: 3120

Ion Ratio Lower Upper

91 100

126 27.1 15.7 47.1





#84

1,2,4-Trimethylbenzene

Concen: 0.245 ug/l

RT: 13.483 min Scan# 19

Delta R.T. 0.001 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

Instrument :

MSVOA\_N

ClientSampleId :

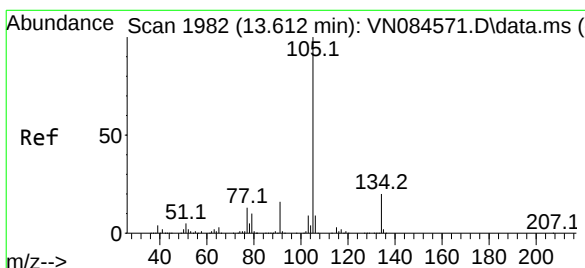
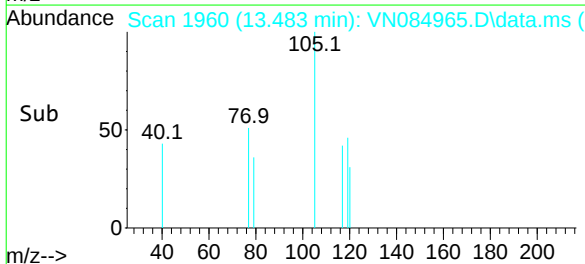
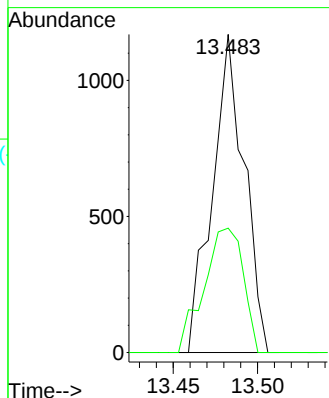
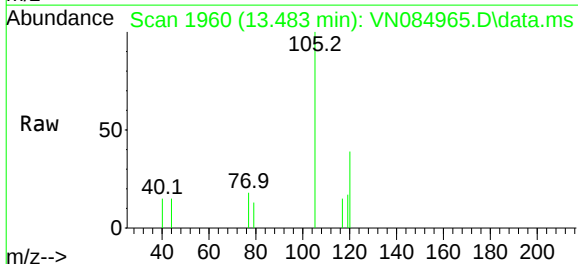
MONTCLAIR-TOTE-2

Tgt Ion:105 Resp: 1539

Ion Ratio Lower Upper

105 100

120 48.0 22.3 66.8



#85

sec-Butylbenzene

Concen: 0.278 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.005 min

Lab File: VN084965.D

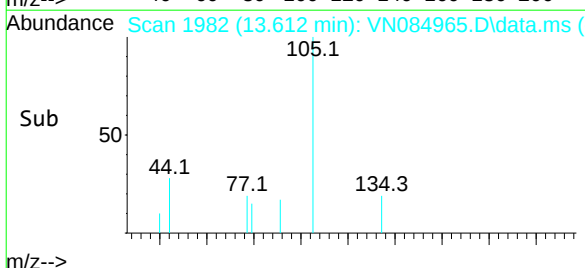
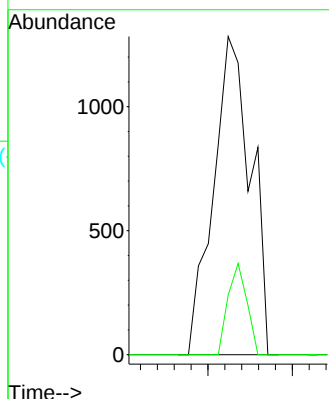
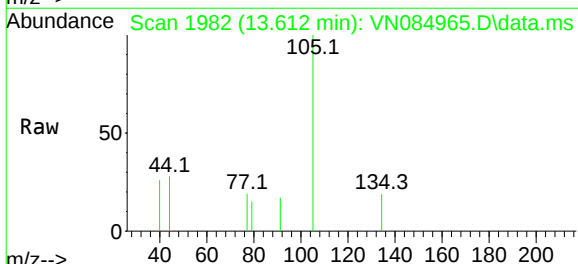
Acq: 20 Nov 2024 13:44

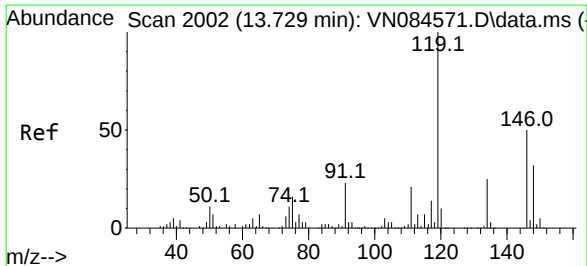
Tgt Ion:105 Resp: 1979

Ion Ratio Lower Upper

105 100

134 14.4 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.312 ug/l

RT: 13.730 min Scan# 2002

Delta R.T. 0.001 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

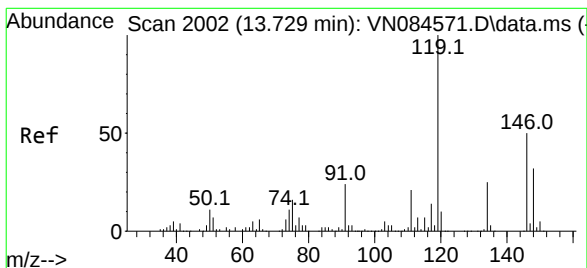
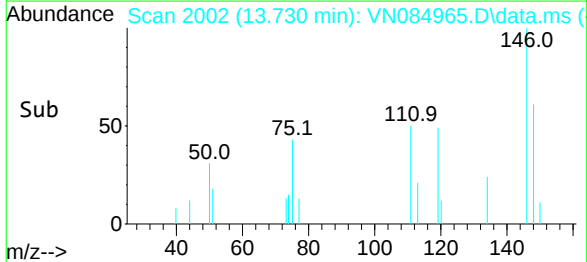
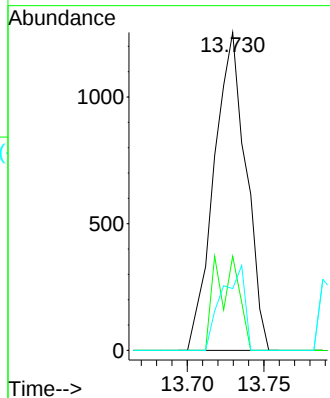
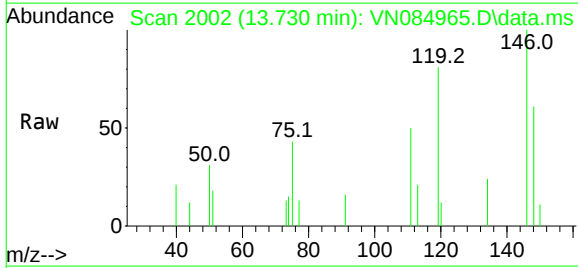
Instrument :

MSVOA\_N

ClientSampleId :

MONTCLAIR-TOTE-2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 1822  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 21.2  | 12.6  | 37.8  |
| 91       | 19.2  | 12.4  | 37.2  |



#87

1,3-Dichlorobenzene

Concen: 0.741 ug/l

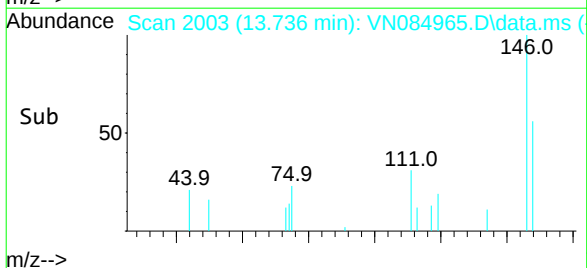
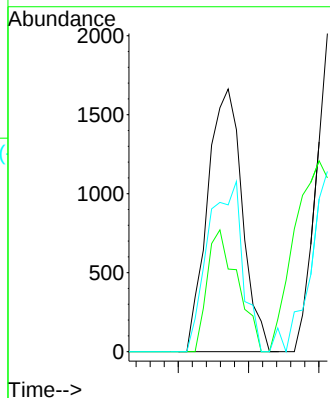
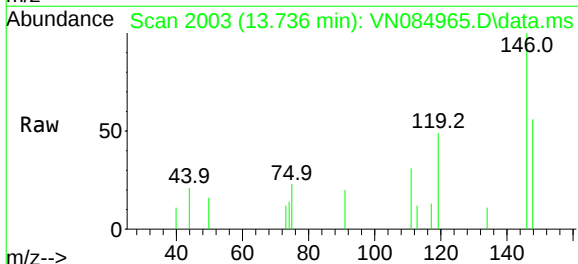
RT: 13.736 min Scan# 2003

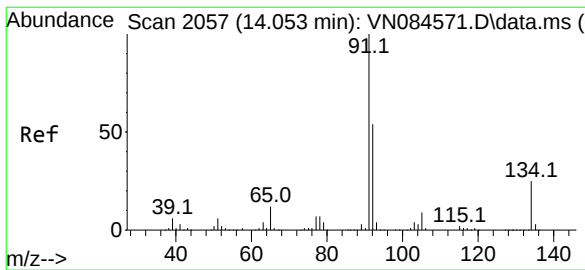
Delta R.T. 0.007 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 2860  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 40.3  | 21.8  | 65.3  |
| 148      | 64.2  | 31.9  | 95.7  |

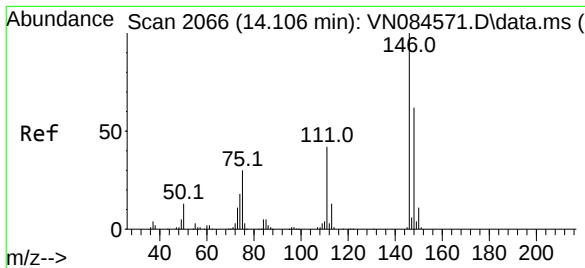
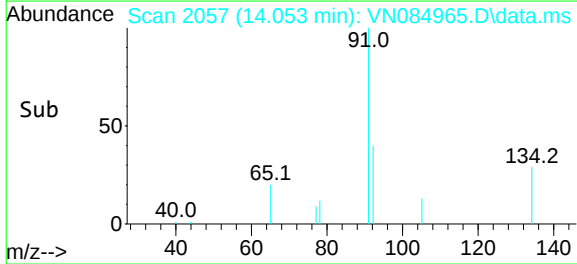
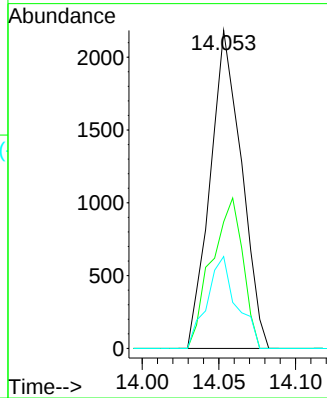
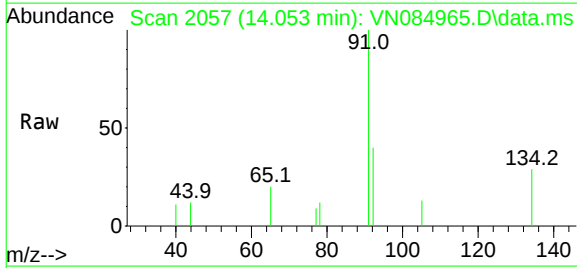




#89  
n-Butylbenzene  
Concen: 0.568 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN084965.D  
Acq: 20 Nov 2024 13:44

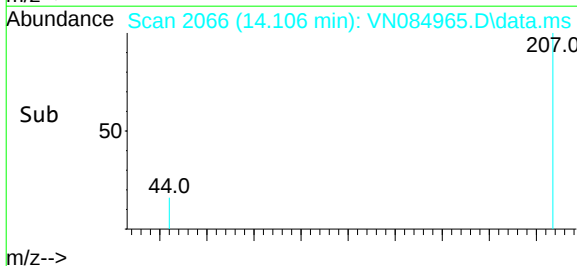
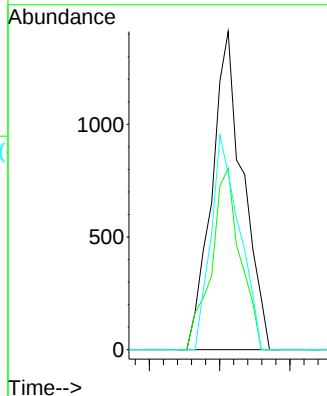
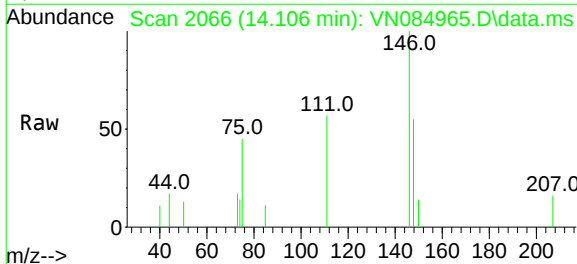
Instrument :  
MSVOA\_N  
ClientSampleId :  
MONTCLAIR-TOTE-2

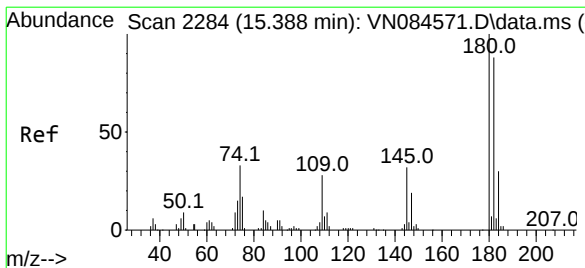
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 3103  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 47.3  | 26.6  | 79.7  |
| 134      | 27.3  | 12.3  | 36.9  |



#91  
1,2-Dichlorobenzene  
Concen: 0.586 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN084965.D  
Acq: 20 Nov 2024 13:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 2173  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 53.0  | 22.0  | 66.0  |
| 148      | 61.4  | 32.1  | 96.3  |





#93

1,2,4-Trichlorobenzene

Concen: 1.016 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

Instrument :

MSVOA\_N

ClientSampleId :

MONTCLAIR-TOTE-2

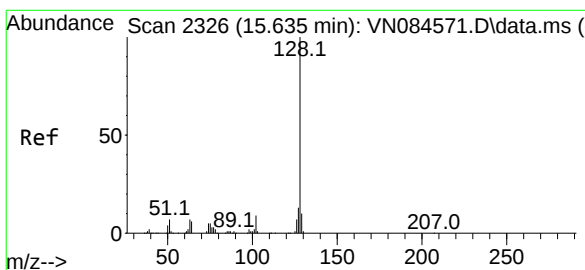
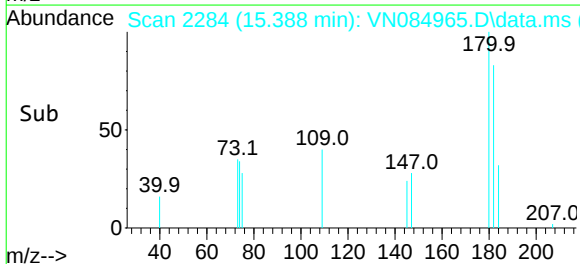
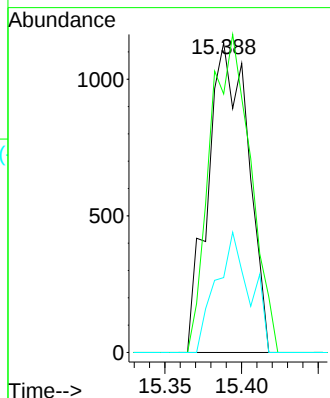
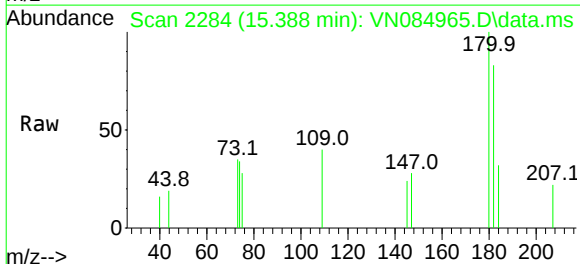
Tgt Ion:180 Resp: 2062

Ion Ratio Lower Upper

180 100

182 103.9 47.0 141.0

145 32.4 16.4 49.4



#95

Naphthalene

Concen: 1.026 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084965.D

Acq: 20 Nov 2024 13:44

Tgt Ion:128 Resp: 6231

Ion Ratio Lower Upper

128 100

127 10.6 10.5 15.7

129 9.8 8.7 13.1

