

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110524\  
 Data File : VN084683.D  
 Acq On : 05 Nov 2024 13:23  
 Operator : JC\MD  
 Sample : P4704-02 4X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 06 00:29:29 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         | 8.224  | 168   | 175141   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 300747   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 274614   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152   | 142093   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 121223   | 47.921    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 95.840%  |
| 35) Dibromofluoromethane      | 8.165  | 113   | 100419   | 49.329    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 98.660%  |
| 50) Toluene-d8                | 10.565 | 98    | 352537   | 47.012    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 94.020%  |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 150037   | 53.536    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | =      | 107.080% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.365  | 50    | 822      | Below Cal | #      | 69       |
| 5) Bromomethane               | 2.906  | 94    | 292      | 0.254     | ug/l # | 72       |
| 11) Tert butyl alcohol        | 5.500  | 59    | 2524     | 7.559     | ug/l # | 73       |
| 16) Acetone                   | 4.430  | 43    | 7297     | 7.216     | ug/l   | 99       |
| 18) Methyl Acetate            | 5.036  | 43    | 3090     | Below Cal | #      | 79       |
| 19) Methyl tert-butyl Ether   | 5.794  | 73    | 22231    | 3.637     | ug/l   | 97       |
| 25) 2-Butanone                | 7.488  | 43    | 2463     | 2.087     | ug/l # | 86       |
| 31) Cyclohexane               | 8.229  | 56    | 5033     | 1.441     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.218  | 75    | 14443    | 5.116     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 8.218  | 117   | 18985    | 6.016     | ug/l # | 15       |
| 39) Methylcyclohexane         | 9.600  | 83    | 2768     | 0.964     | ug/l   | 85       |
| 40) Benzene                   | 8.606  | 78    | 38608    | 4.258     | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.694  | 43    | 1337     | Below Cal | #      | 56       |
| 48) Methyl methacrylate       | 9.606  | 41    | 1462     | 0.733     | ug/l # | 59       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43    | 808      | 0.331     | ug/l # | 74       |
| 52) Toluene                   | 10.629 | 92    | 188264   | 35.503    | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.629 | 75    | 2403     | 0.734     | ug/l # | 1        |
| 55) 1,1,2-Trichloroethane     | 11.006 | 97    | 959      | 0.480     | ug/l # | 15       |
| 59) 2-Hexanone                | 11.170 | 43    | 2035     | 1.145     | ug/l # | 24       |
| 61) 1,2-Dibromoethane         | 11.312 | 107   | 555      | 0.271     | ug/l # | 3        |
| 67) Ethyl Benzene             | 11.965 | 91    | 152027   | 14.825    | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.065 | 106   | 209321   | 53.915    | ug/l   | 99       |
| 69) o-Xylene                  | 12.394 | 106   | 183533   | 50.533    | ug/l   | 98       |
| 70) Styrene                   | 12.400 | 104   | 14859    | 2.345     | ug/l # | 1        |
| 71) Bromoform                 | 12.841 | 173   | 332      | 0.206     | ug/l # | 1        |
| 73) Isopropylbenzene          | 12.694 | 105   | 29813    | 2.994     | ug/l   | 99       |
| 74) N-amyl acetate            | 12.476 | 43    | 1190     | 0.281     | ug/l # | 54       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83    | 811      | 0.244     | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane    | 13.094 | 75    | 2814     | 0.991     | ug/l # | 1        |
| 78) n-propylbenzene           | 13.035 | 91    | 68613    | 5.880     | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.094 | 91    | 33076    | 4.338     | ug/l # | 43       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105   | 123392   | 14.951    | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 77412    | 64.658    | ug/l # | 11       |
| 82) 4-Chlorotoluene           | 13.170 | 91    | 11896    | 1.483     | ug/l # | 43       |
| 83) tert-Butylbenzene         | 13.482 | 119   | 51102    | 7.482     | ug/l # | 67       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105   | 421938   | 49.536    | ug/l   | 99       |

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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :

Quant Time: Nov 06 00:29:29 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

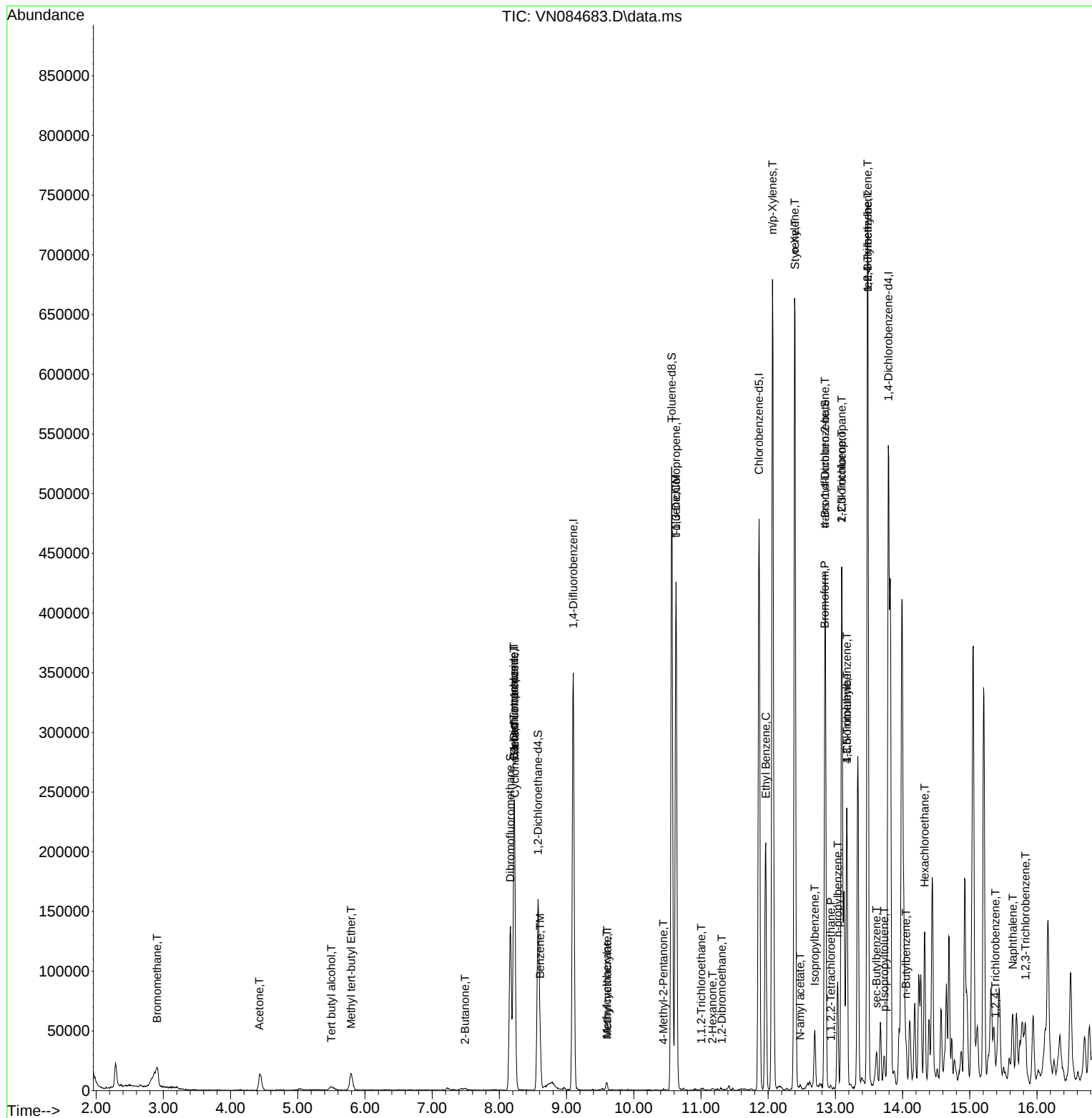
| Compound                   | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-----------|--------|----------|
| 85) sec-Butylbenzene       | 13.611 | 105  | 18602    | 1.928     | ug/l   | 91       |
| 86) p-Isopropyltoluene     | 13.729 | 119  | 11698    | 1.478     | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene    | 13.811 | 146  | 767      | Below Cal | #      | 1        |
| 89) n-Butylbenzene         | 14.053 | 91   | 15787    | 2.133     | ug/l # | 77       |
| 90) Hexachloroethane       | 14.329 | 117  | 5934     | 3.363     | ug/l # | 15       |
| 93) 1,2,4-Trichlorobenzene | 15.382 | 180  | 689      | 0.251     | ug/l # | 1        |
| 95) Naphthalene            | 15.641 | 128  | 52851    | 6.426     | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.829 | 180  | 657      | 0.246     | ug/l # | 55       |

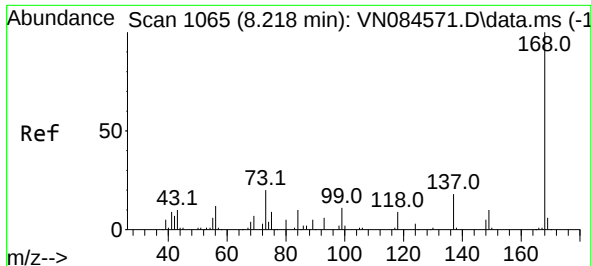
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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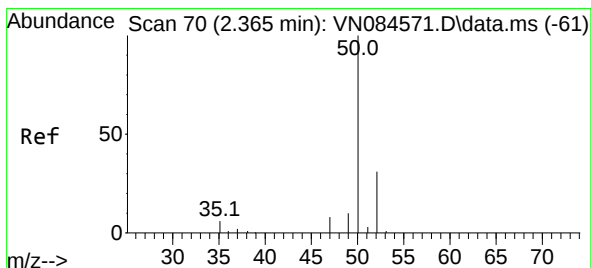
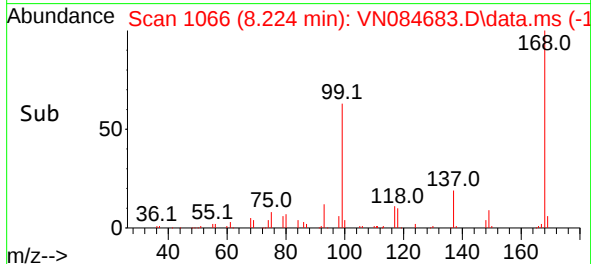
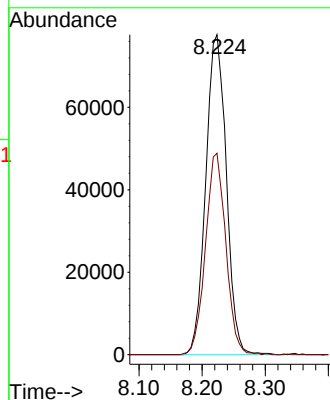
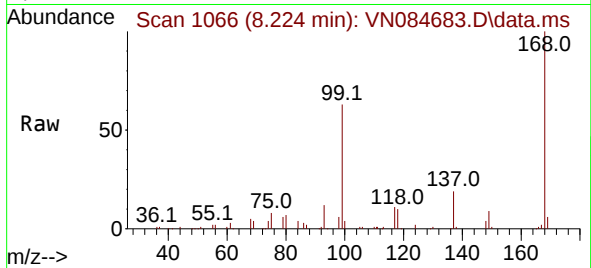




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

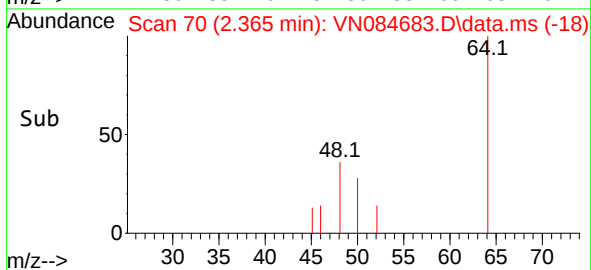
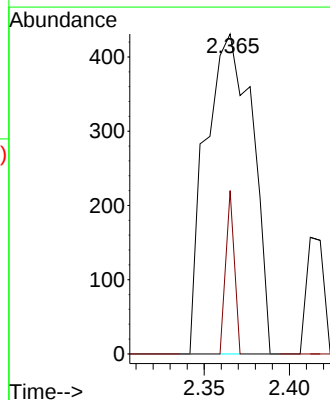
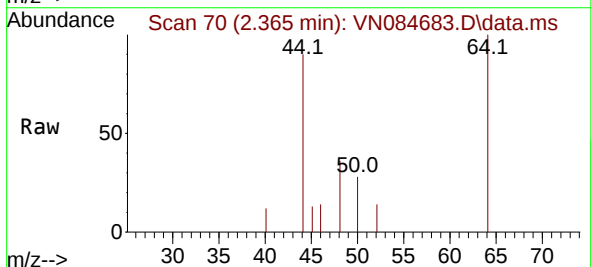
Instrument :  
MSVOA\_N  
ClientSampleId :

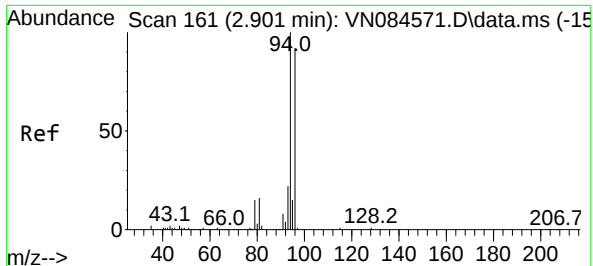
Tgt Ion:168 Resp: 175141  
Ion Ratio Lower Upper  
168 100  
99 63.0 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion: 50 Resp: 822  
Ion Ratio Lower Upper  
50 100  
52 51.0 26.8 40.2#

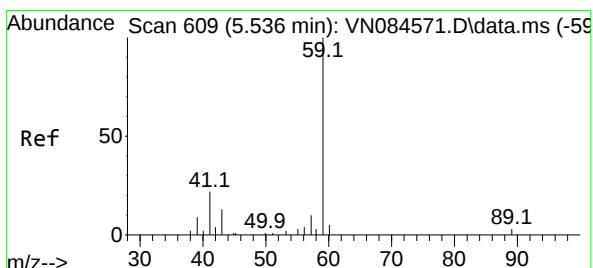
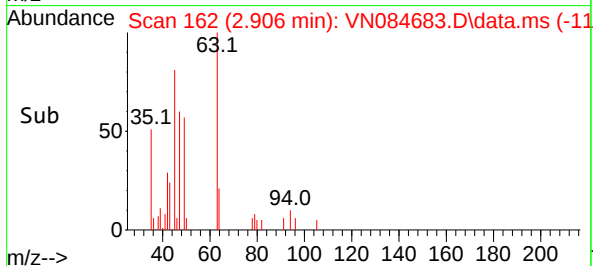
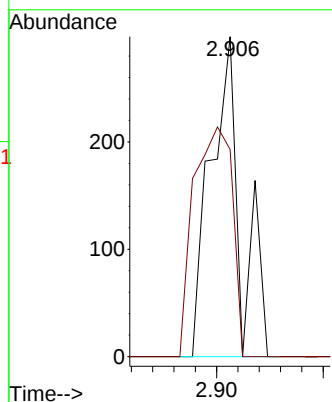
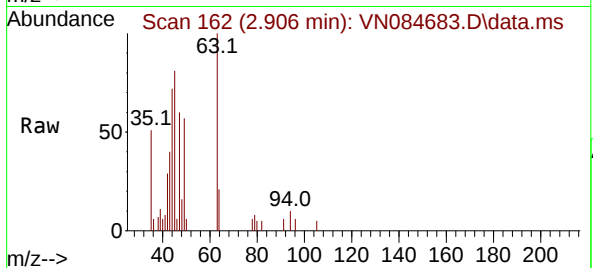




#5  
Bromomethane  
Concen: 0.254 ug/l  
RT: 2.906 min Scan# 11  
Delta R.T. -0.047 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

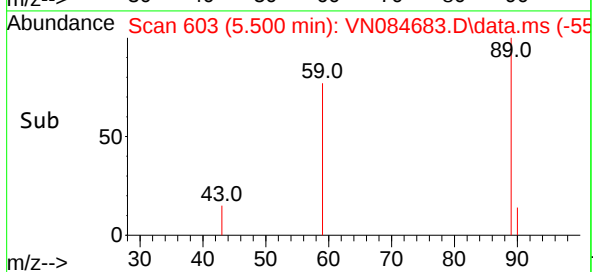
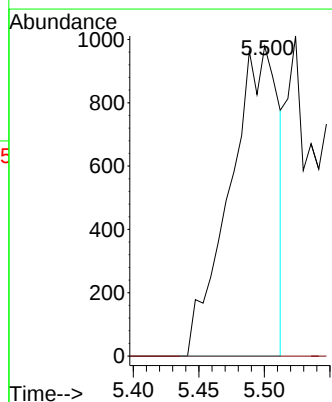
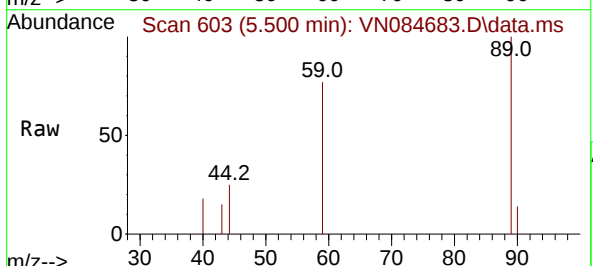
Instrument :  
MSVOA\_N  
ClientSampleId :

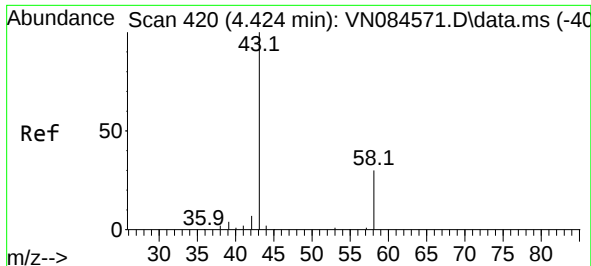
Tgt Ion: 94 Resp: 292  
Ion Ratio Lower Upper  
94 100  
96 64.8 72.9 109.3#



#11  
Tert butyl alcohol  
Concen: 7.559 ug/l  
RT: 5.500 min Scan# 603  
Delta R.T. -0.024 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion: 59 Resp: 2524  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

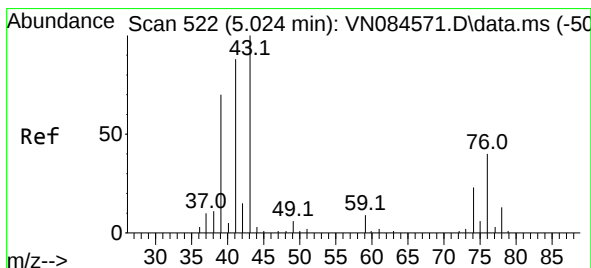
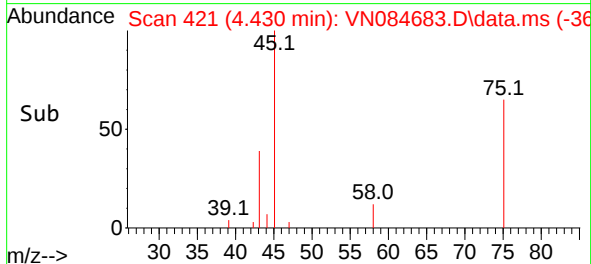
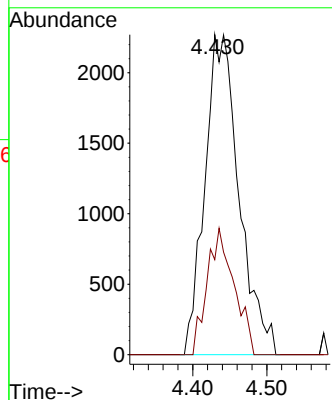
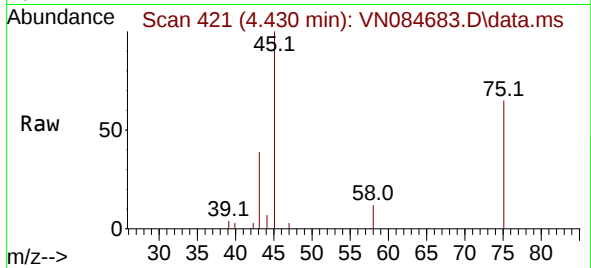




#16  
Acetone  
Concen: 7.216 ug/l  
RT: 4.430 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

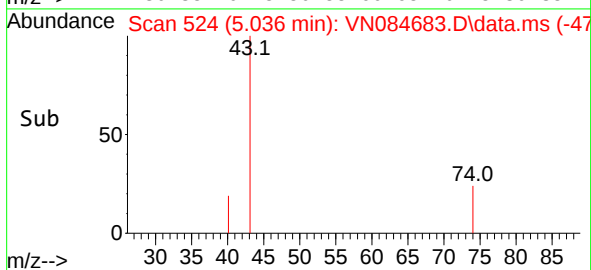
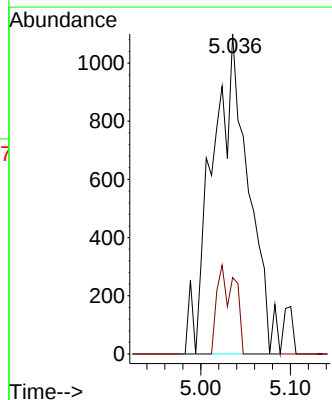
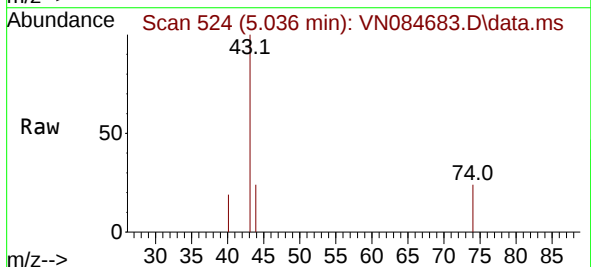
Instrument :  
MSVOA\_N  
ClientSampleId :

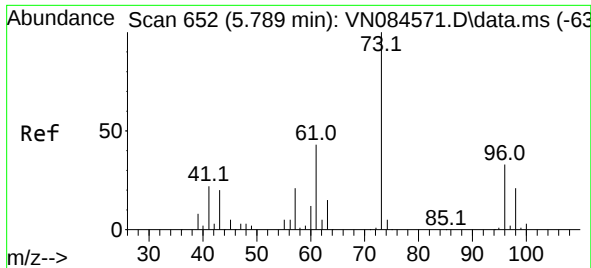
Tgt Ion: 43 Resp: 7297  
Ion Ratio Lower Upper  
43 100  
58 29.7 24.4 36.6



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.036 min Scan# 524  
Delta R.T. 0.018 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

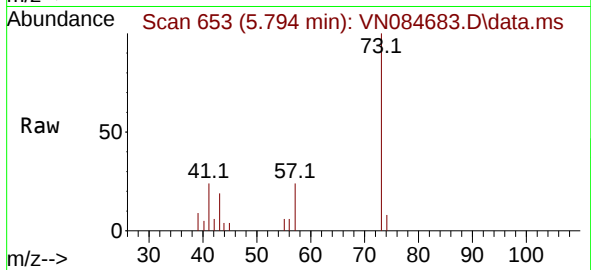
Tgt Ion: 43 Resp: 3090  
Ion Ratio Lower Upper  
43 100  
74 13.6 19.2 28.8#



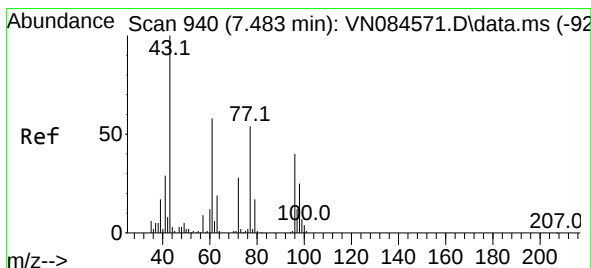
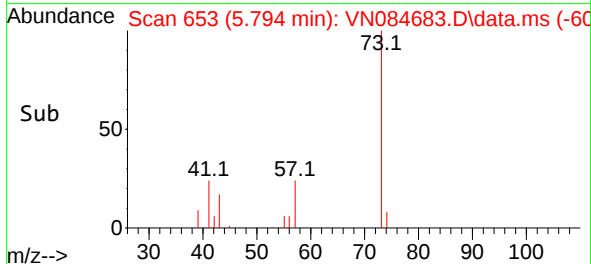
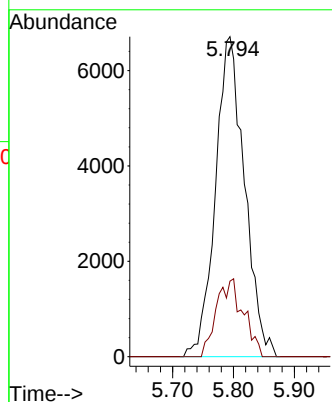


#19  
Methyl tert-butyl Ether  
Concen: 3.637 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

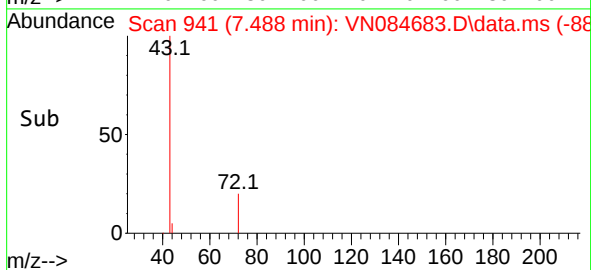
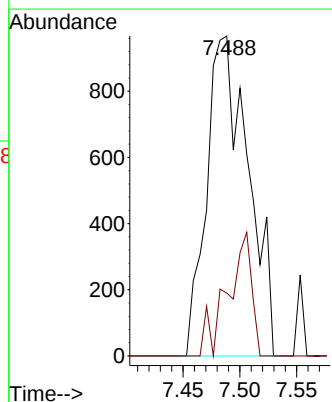
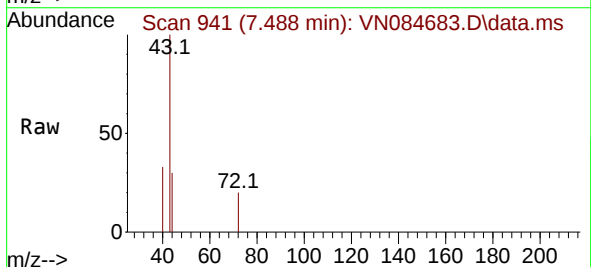


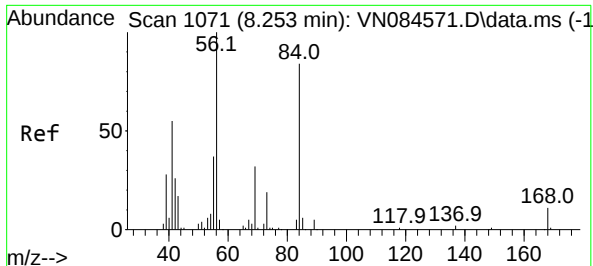
Tgt Ion: 73 Resp: 22231  
Ion Ratio Lower Upper  
73 100  
57 23.6 17.7 26.5



#25  
2-Butanone  
Concen: 2.087 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

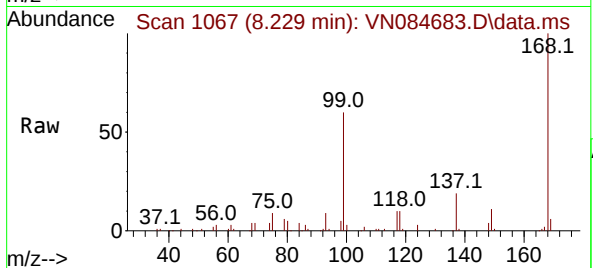
Tgt Ion: 43 Resp: 2463  
Ion Ratio Lower Upper  
43 100  
72 19.6 21.4 32.2#



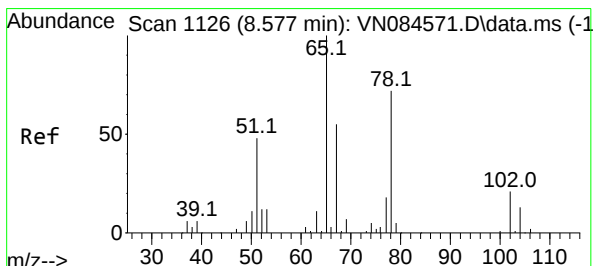
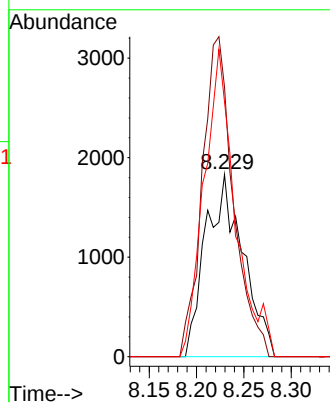
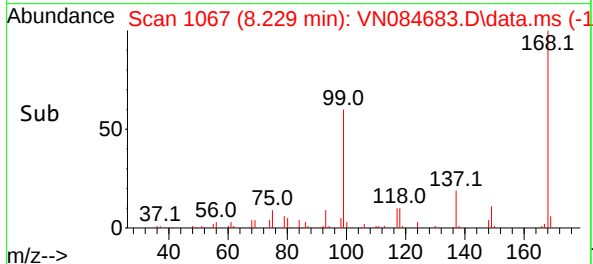


#31  
Cyclohexane  
Concen: 1.441 ug/l  
RT: 8.229 min Scan# 1071  
Delta R.T. -0.024 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

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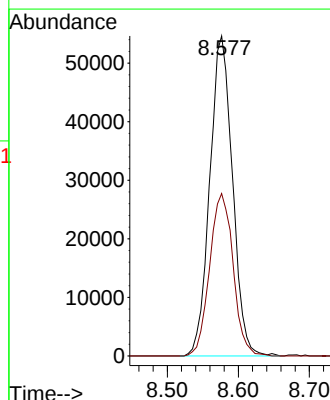
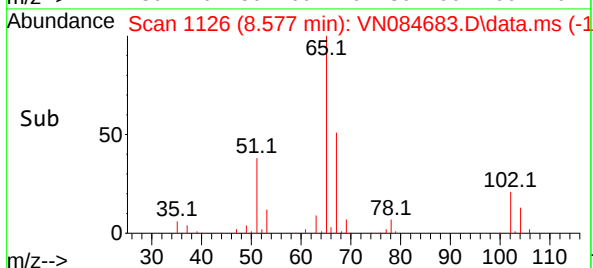
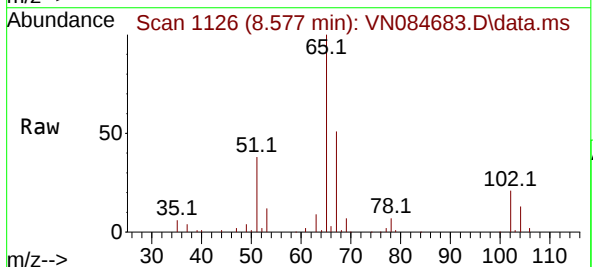


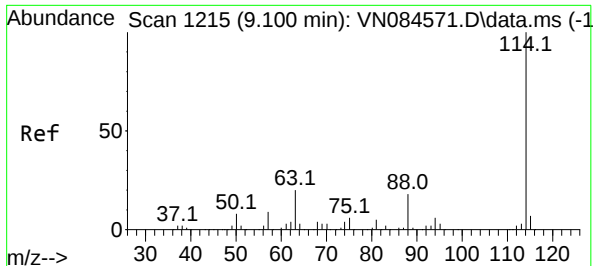
Tgt Ion: 56 Resp: 5033  
Ion Ratio Lower Upper  
56 100  
69 147.9 23.8 35.6#  
84 139.8 68.8 103.2#



#33  
1,2-Dichloroethane-d4  
Concen: 47.921 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion: 65 Resp: 121223  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

ClientSampleId :

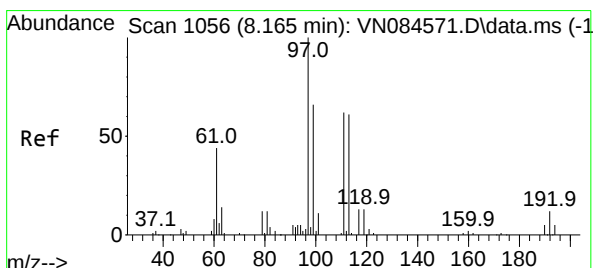
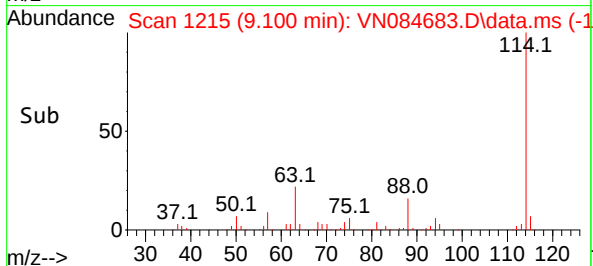
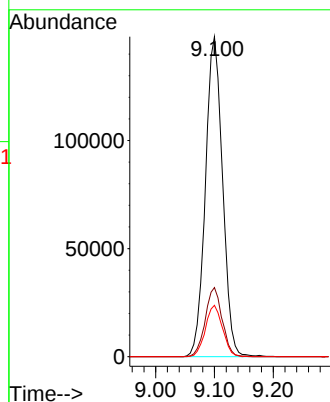
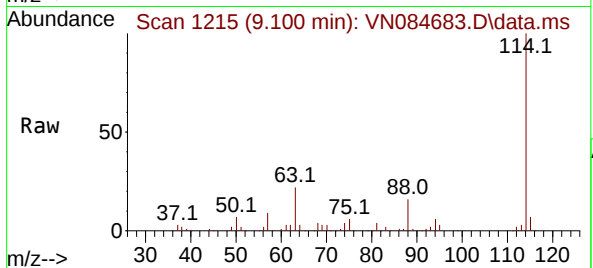
Tgt Ion:114 Resp: 300747

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.8

88 16.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.329 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

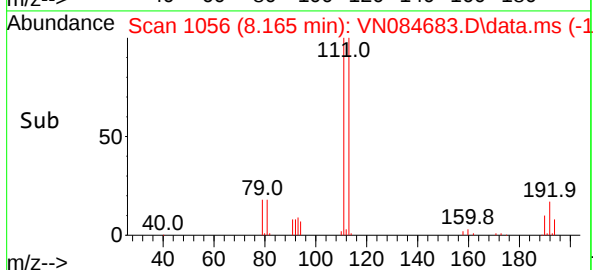
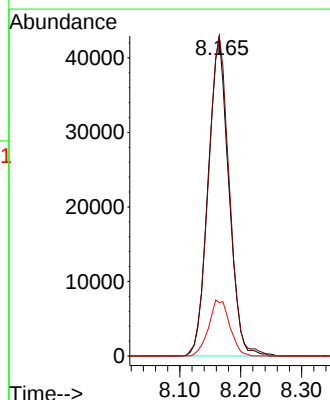
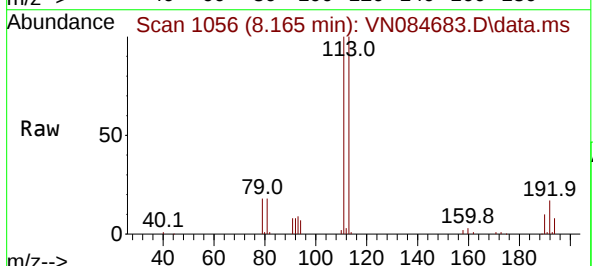
Tgt Ion:113 Resp: 100419

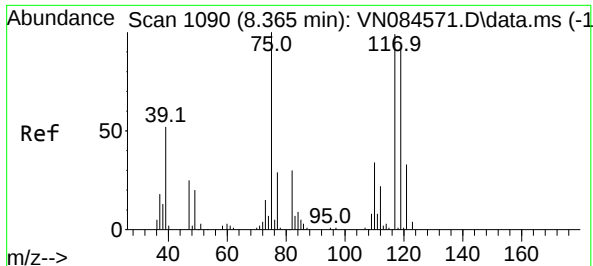
Ion Ratio Lower Upper

113 100

111 102.0 83.3 124.9

192 18.0 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.116 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

ClientSampleId :

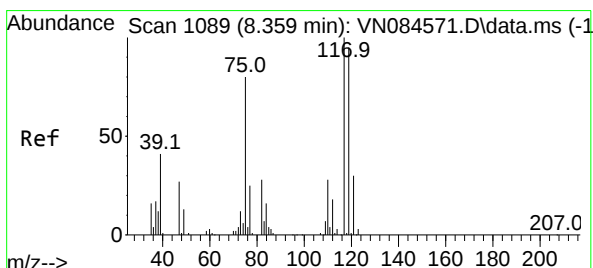
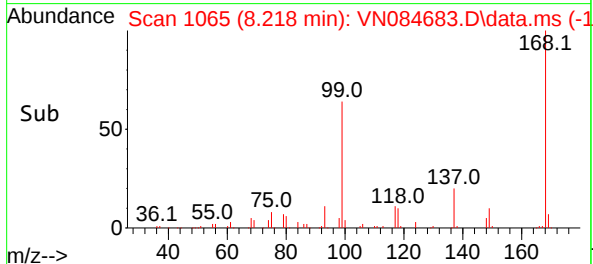
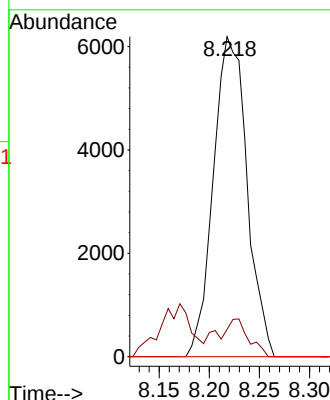
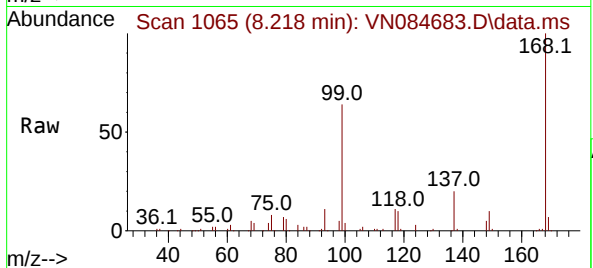
Tgt Ion: 75 Resp: 14443

Ion Ratio Lower Upper

75 100

110 10.8 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.016 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

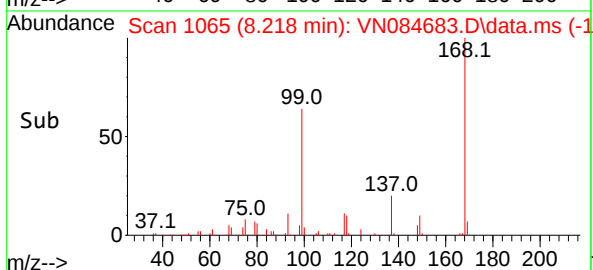
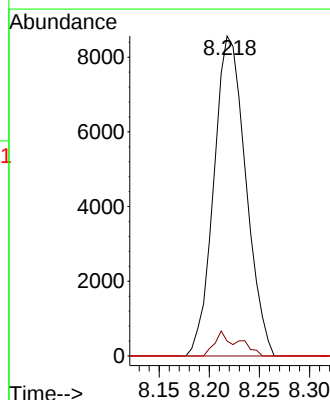
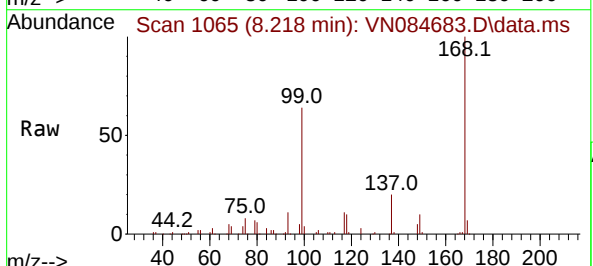
Tgt Ion: 117 Resp: 18985

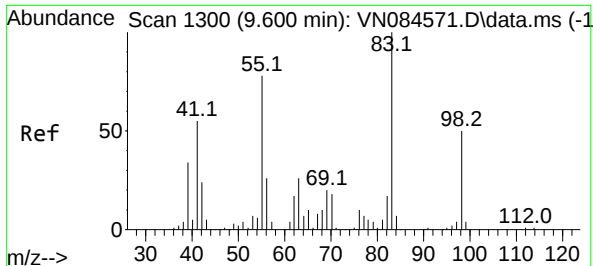
Ion Ratio Lower Upper

117 100

119 4.6 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.964 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

ClientSampleId :

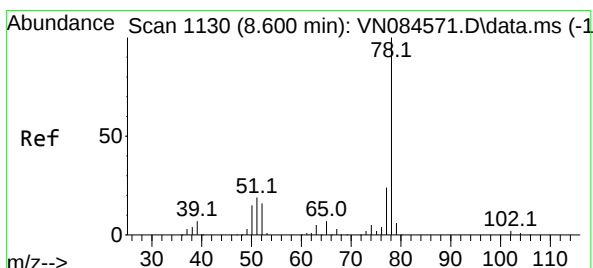
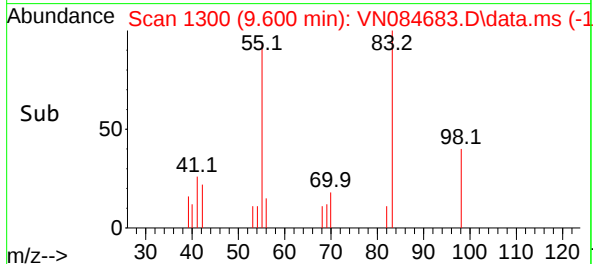
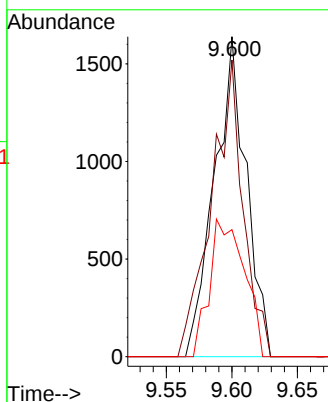
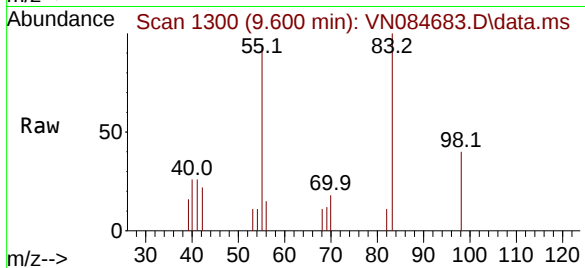
Tgt Ion: 83 Resp: 2768

Ion Ratio Lower Upper

83 100

55 92.7 62.8 94.2

98 39.7 38.8 58.2



#40

Benzene

Concen: 4.258 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN084683.D

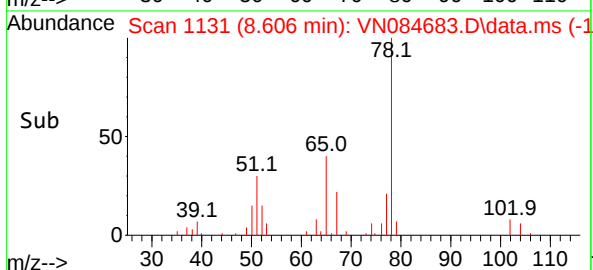
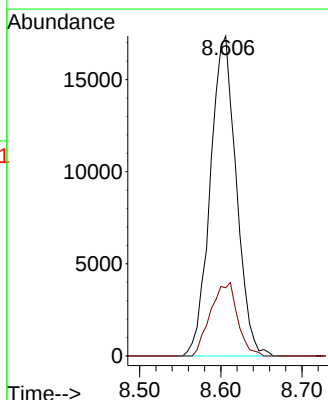
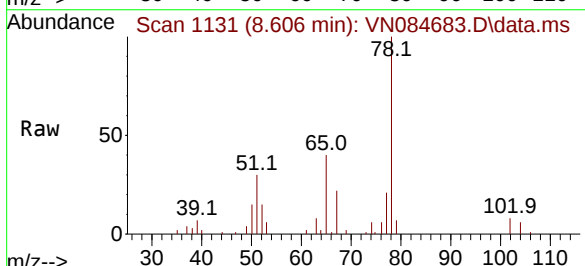
Acq: 05 Nov 2024 13:23

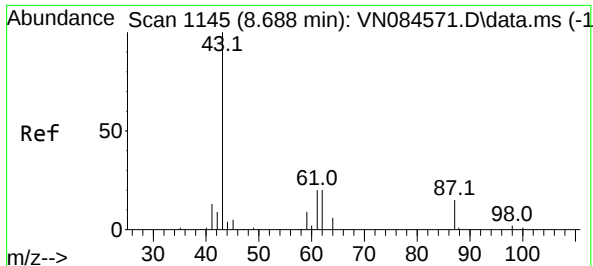
Tgt Ion: 78 Resp: 38608

Ion Ratio Lower Upper

78 100

77 21.3 19.1 28.7





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

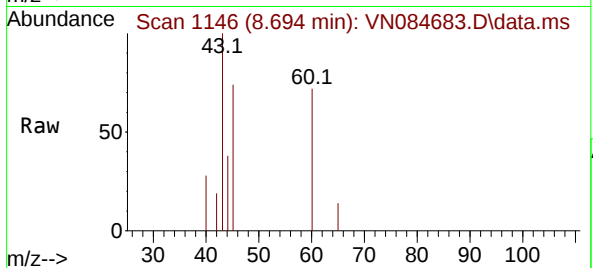
Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

ClientSampleId :



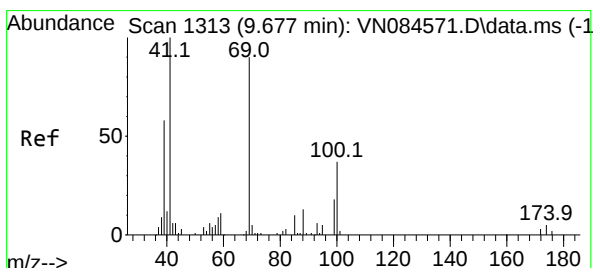
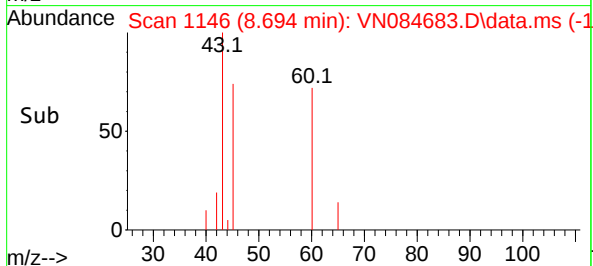
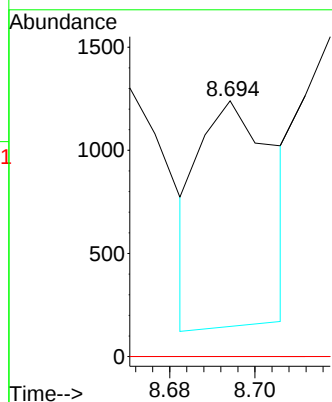
Tgt Ion: 43 Resp: 1337

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#48

Methyl methacrylate

Concen: 0.733 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.071 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

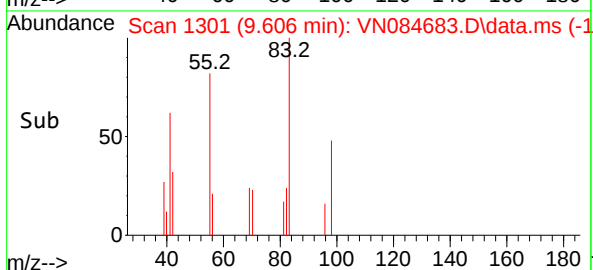
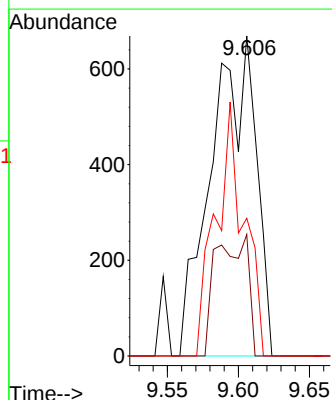
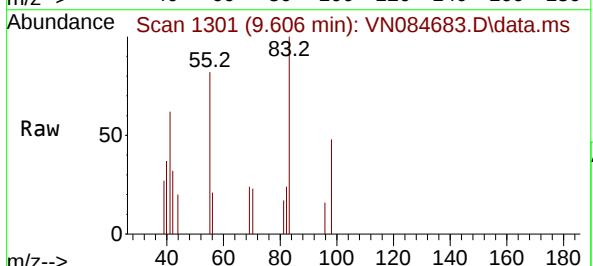
Tgt Ion: 41 Resp: 1462

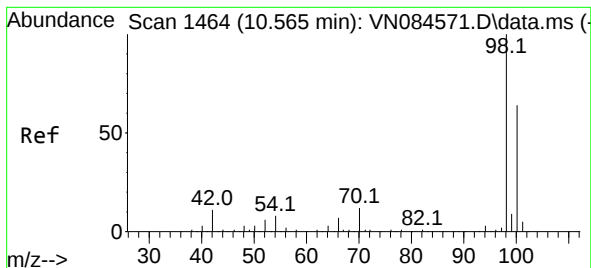
Ion Ratio Lower Upper

41 100

69 27.1 67.1 100.7#

39 50.3 45.8 68.6

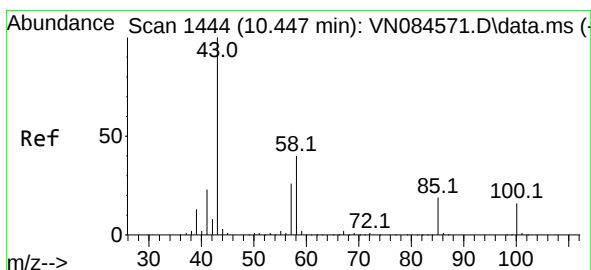
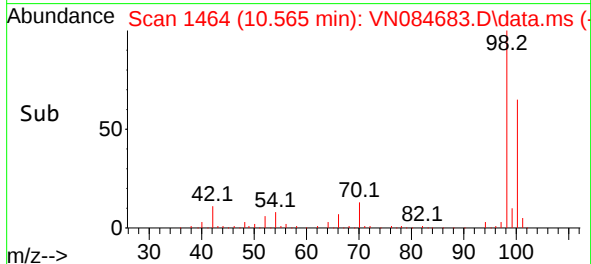
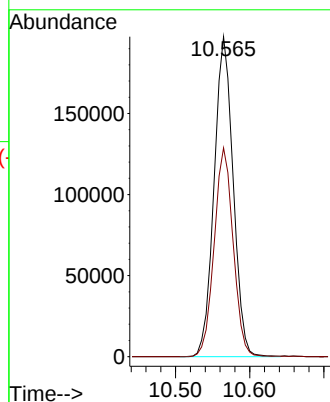
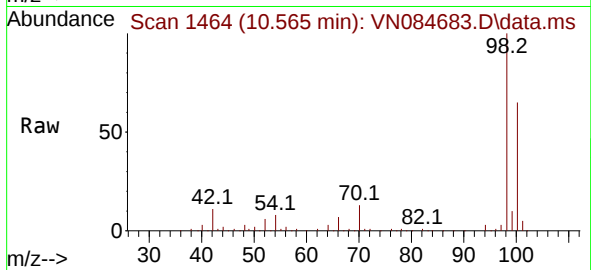




#50  
Toluene-d8  
Concen: 47.012 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

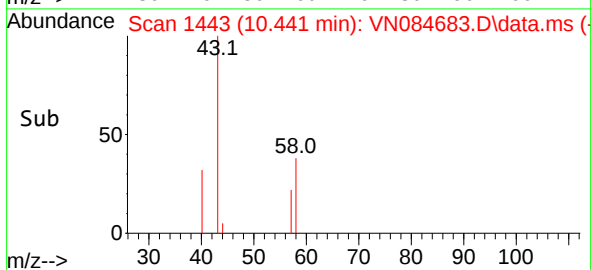
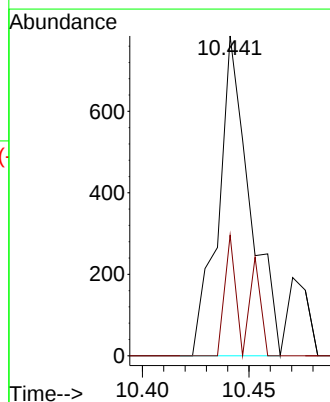
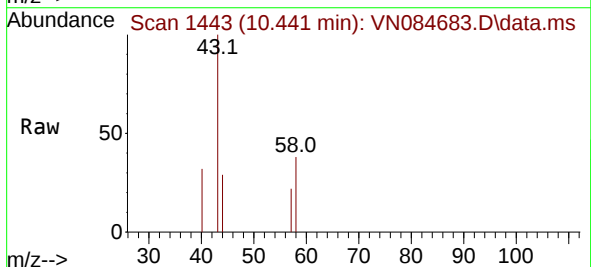
Instrument :  
MSVOA\_N  
ClientSampleId :

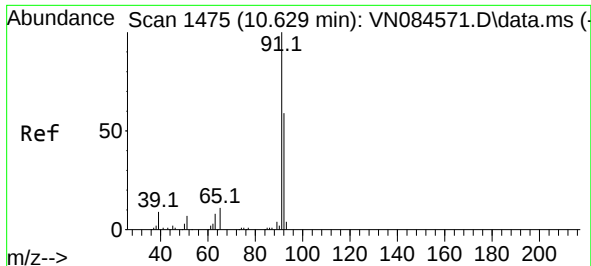
Tgt Ion: 98 Resp: 352537  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.7 79.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.331 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion: 43 Resp: 808  
Ion Ratio Lower Upper  
43 100  
58 23.5 31.6 47.4#

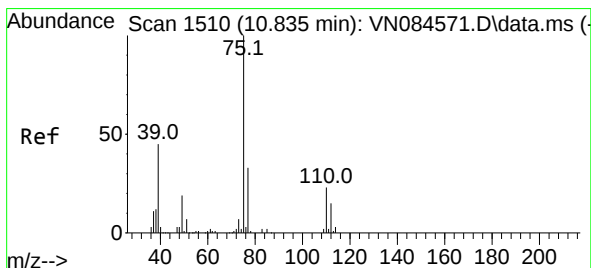
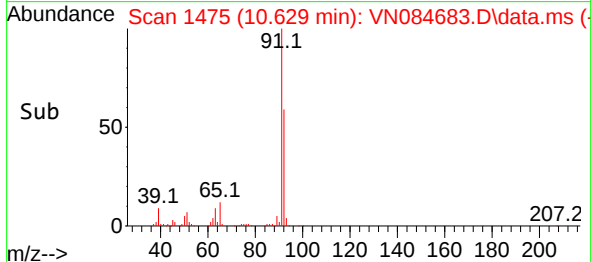
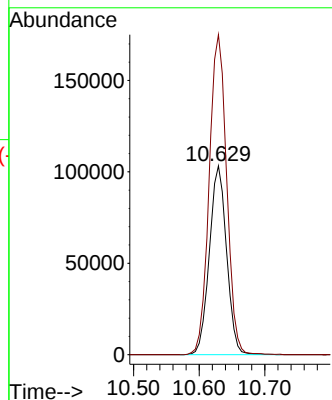
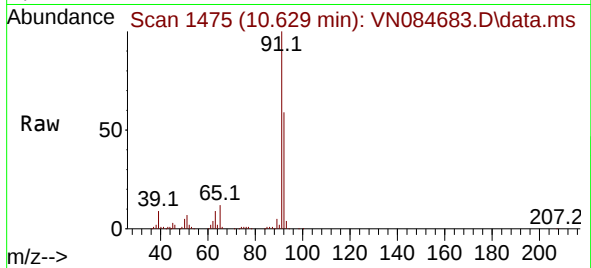




#52  
Toluene  
Concen: 35.503 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

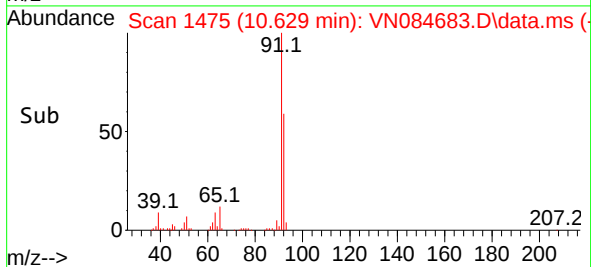
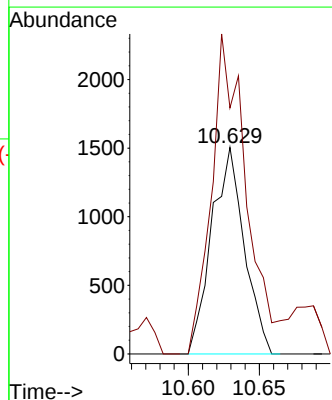
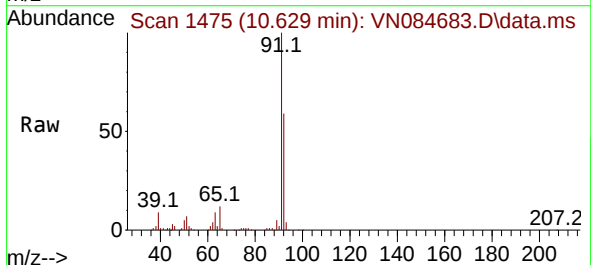
Instrument :  
MSVOA\_N  
ClientSampleId :

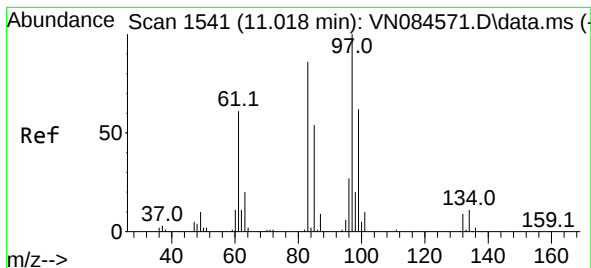
Tgt Ion: 92 Resp: 188264  
Ion Ratio Lower Upper  
92 100  
91 172.3 137.3 205.9



#53  
t-1,3-Dichloropropene  
Concen: 0.734 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.206 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

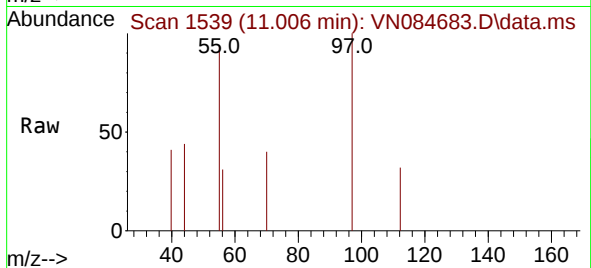
Tgt Ion: 75 Resp: 2403  
Ion Ratio Lower Upper  
75 100  
77 119.1 25.4 38.0#



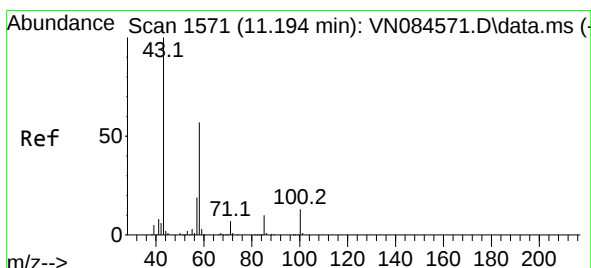
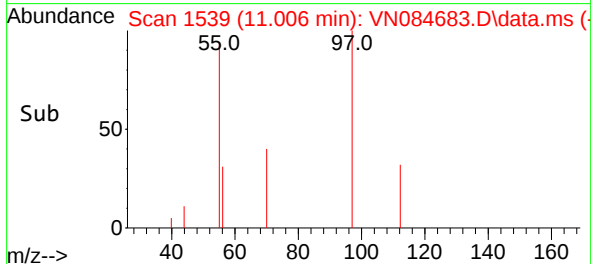
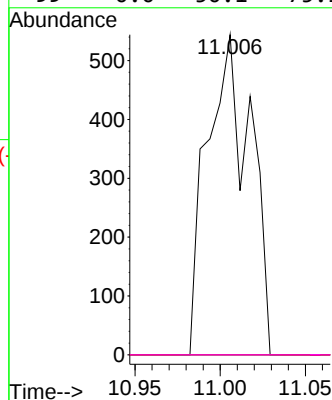


#55  
1,1,2-Trichloroethane  
Concen: 0.480 ug/l  
RT: 11.006 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

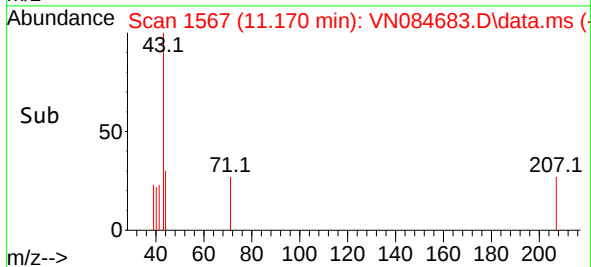
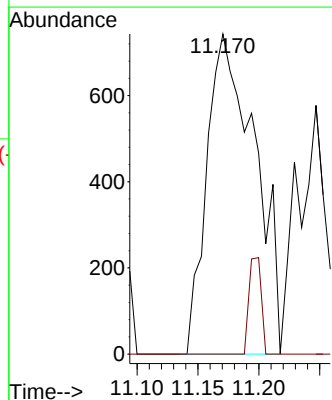
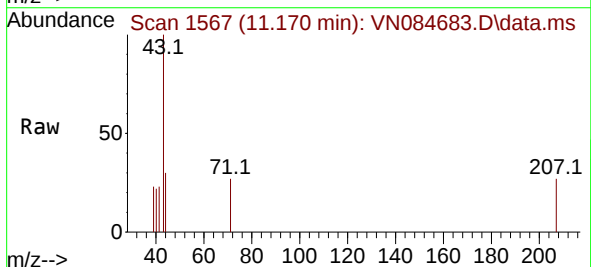


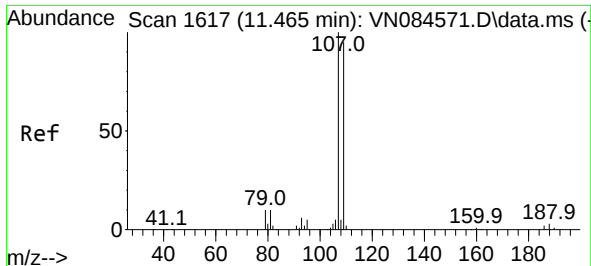
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 959   |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 0.0      | 71.0 106.4# |
| 85 0.0      | 41.7 62.5#  |
| 99 0.0      | 50.1 75.1#  |



#59  
2-Hexanone  
Concen: 1.145 ug/l  
RT: 11.170 min Scan# 1567  
Delta R.T. -0.024 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2035  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 0.0      | 27.3 81.8#  |





#61

1,2-Dibromoethane

Concen: 0.271 ug/l

RT: 11.312 min Scan# 11

Delta R.T. -0.153 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

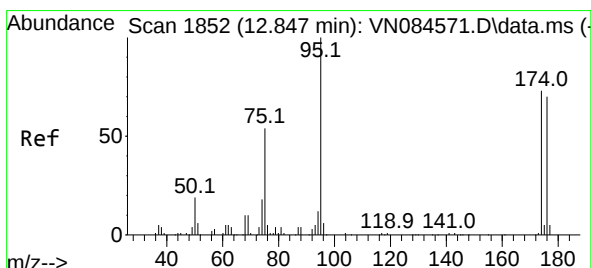
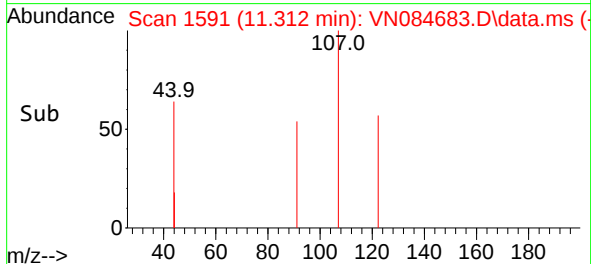
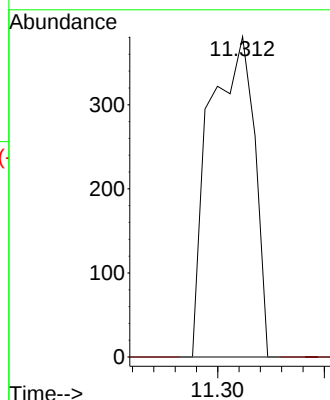
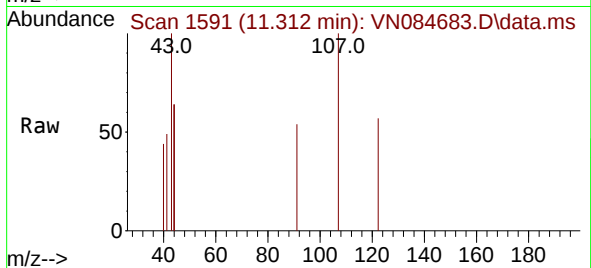
ClientSampleId :

Tgt Ion:107 Resp: 555

Ion Ratio Lower Upper

107 100

109 0.0 75.4 113.0#



#62

4-Bromofluorobenzene

Concen: 53.536 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

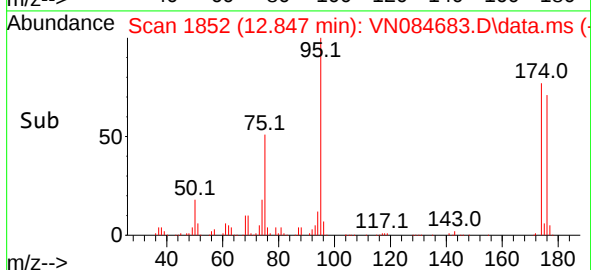
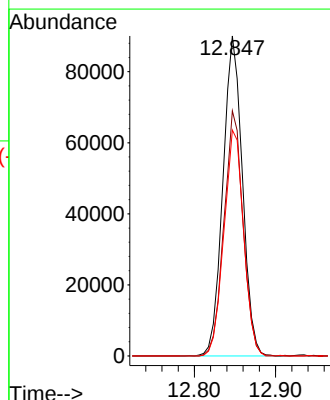
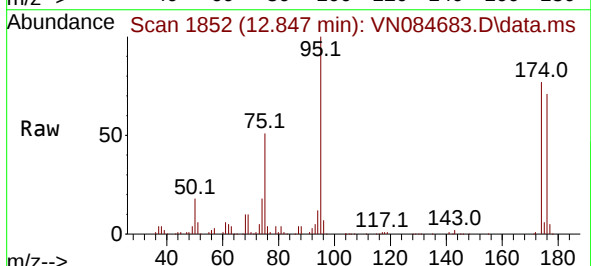
Tgt Ion: 95 Resp: 150037

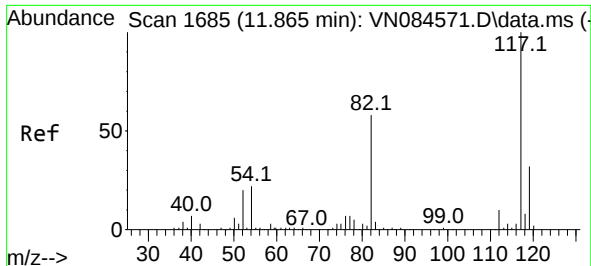
Ion Ratio Lower Upper

95 100

174 75.1 0.0 145.2

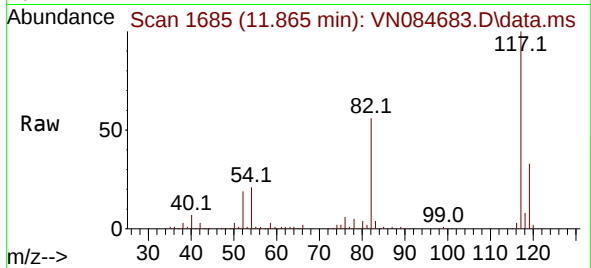
176 71.5 0.0 140.0



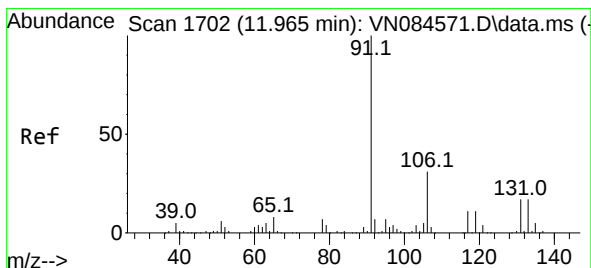
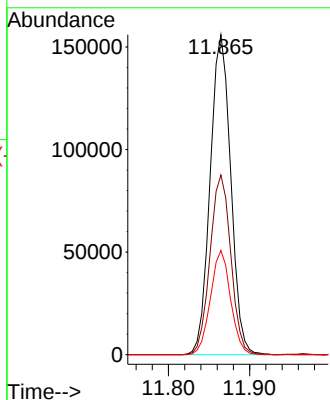
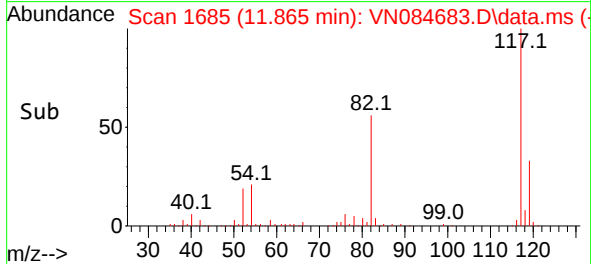


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

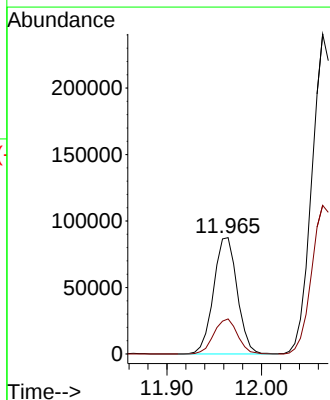
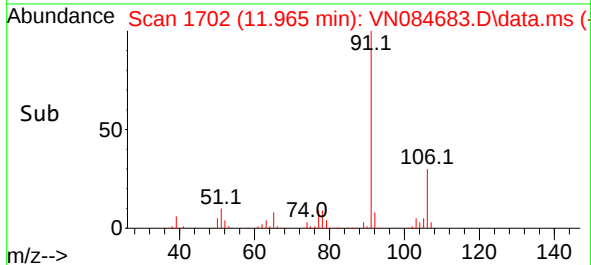
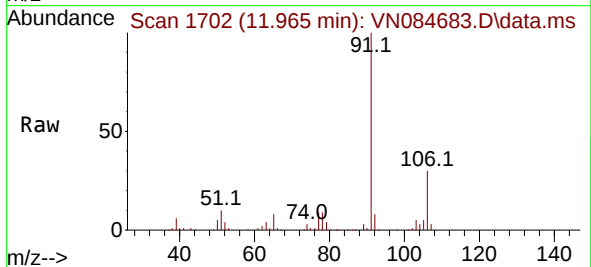


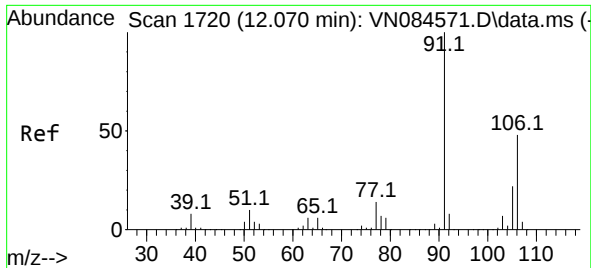
Tgt Ion:117 Resp: 274614  
Ion Ratio Lower Upper  
117 100  
82 56.1 47.2 70.8  
119 32.5 25.4 38.0



#67  
Ethyl Benzene  
Concen: 14.825 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.006 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion: 91 Resp: 152027  
Ion Ratio Lower Upper  
91 100  
106 30.2 24.5 36.7

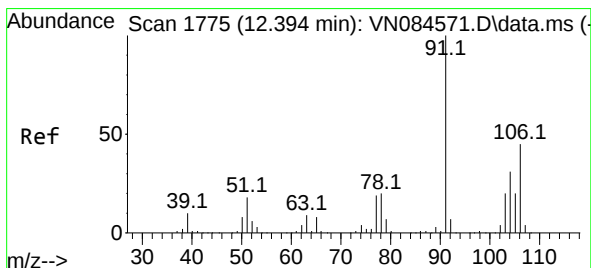
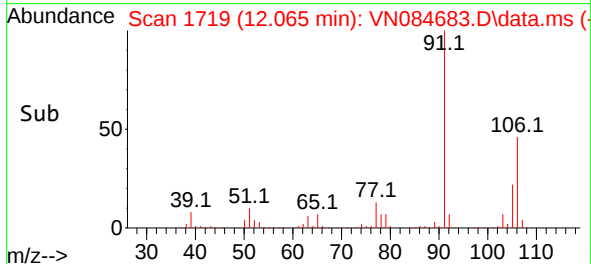
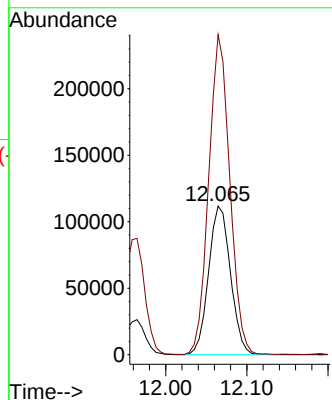
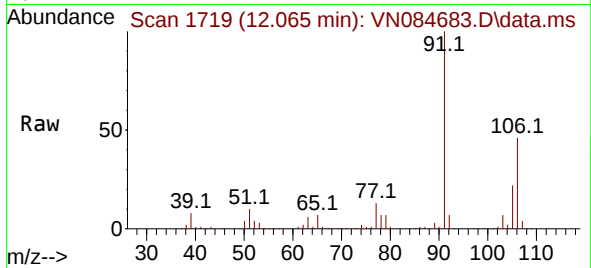




#68  
m/p-Xylenes  
Concen: 53.915 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

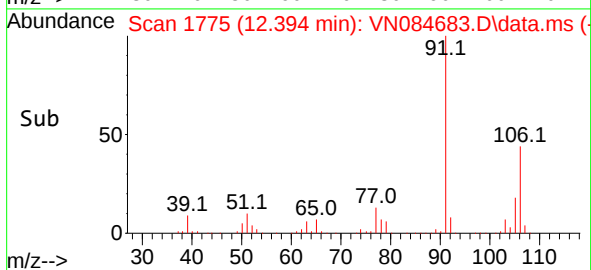
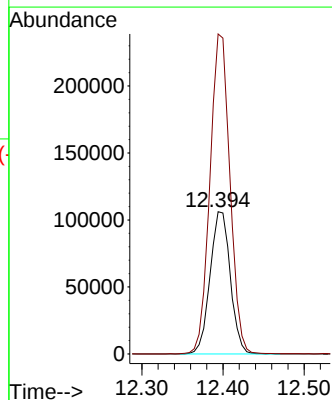
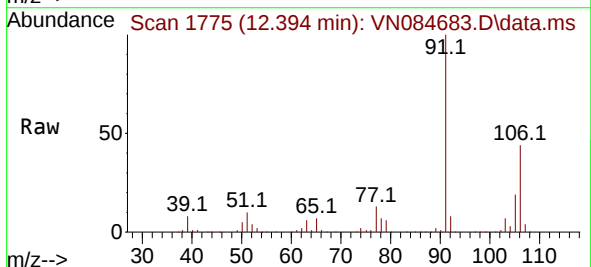
Instrument :  
MSVOA\_N  
ClientSampleId :

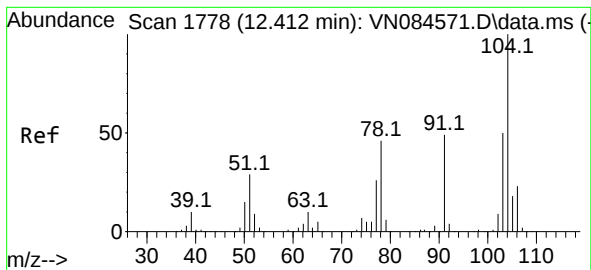
Tgt Ion:106 Resp: 209321  
Ion Ratio Lower Upper  
106 100  
91 207.0 167.1 250.7



#69  
o-Xylene  
Concen: 50.533 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion:106 Resp: 183533  
Ion Ratio Lower Upper  
106 100  
91 223.0 110.2 330.6





#70

Styrene

Concen: 2.345 ug/l

RT: 12.400 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

ClientSampleId :

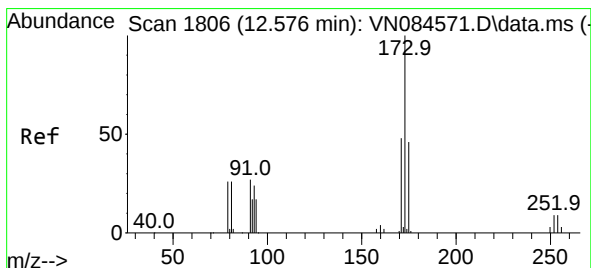
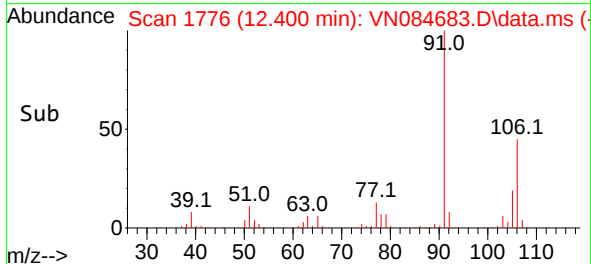
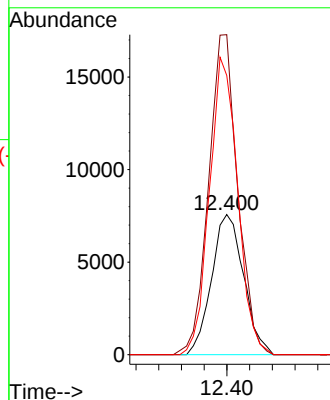
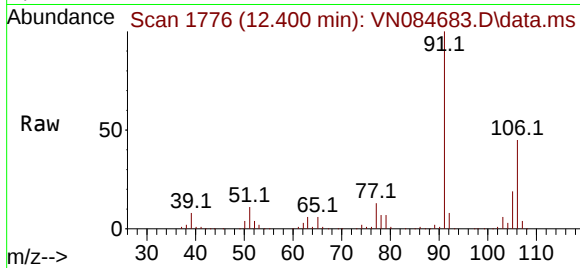
Tgt Ion:104 Resp: 14859

Ion Ratio Lower Upper

104 100

78 206.5 42.7 64.1#

103 186.9 43.6 65.4#



#71

Bromoform

Concen: 0.206 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

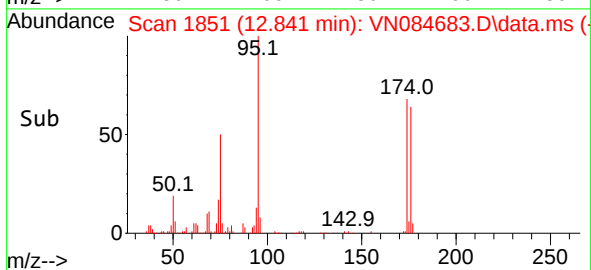
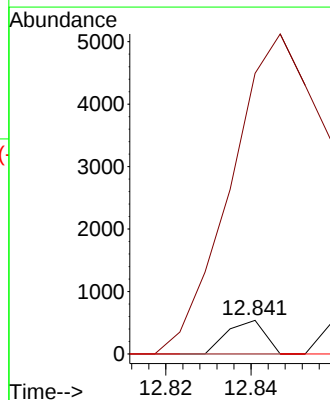
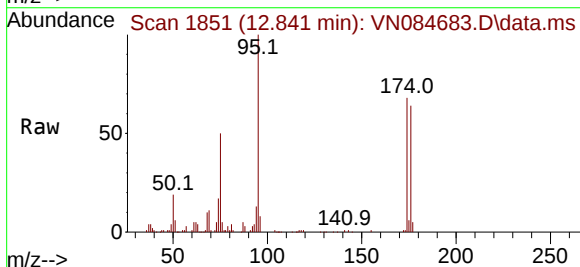
Tgt Ion:173 Resp: 332

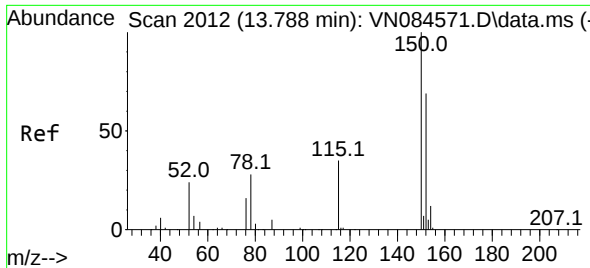
Ion Ratio Lower Upper

173 100

175 1935.8 23.5 70.6#

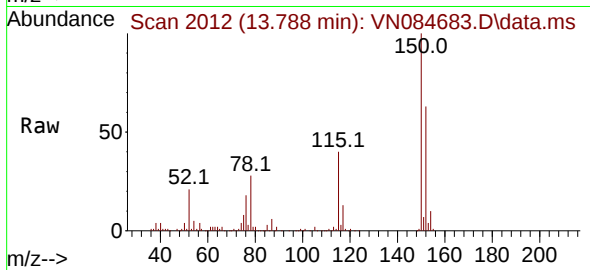
254 0.0 0.0 0.0



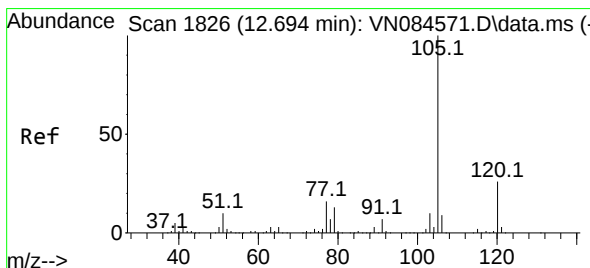
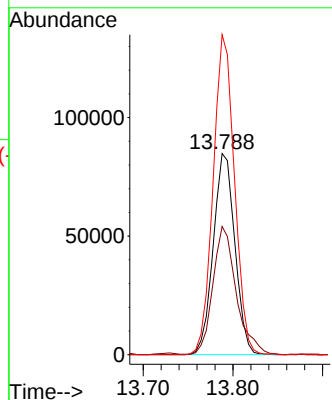
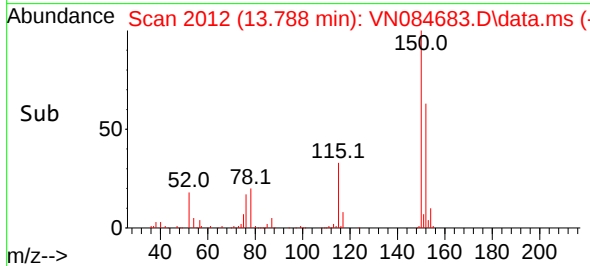


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

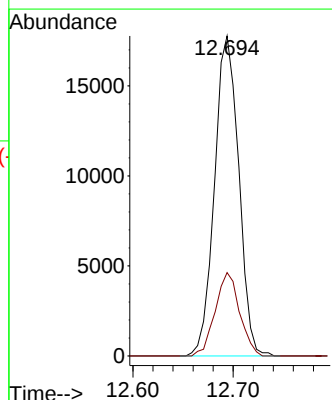
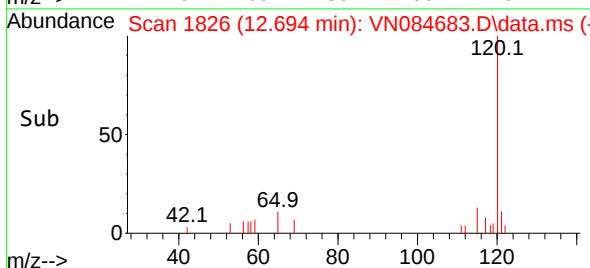
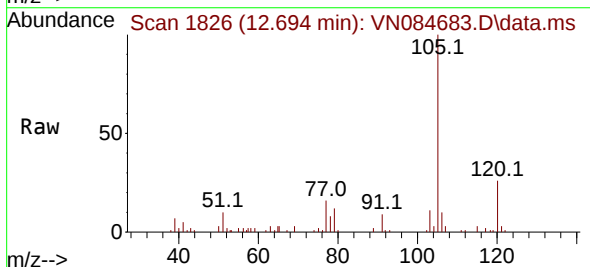


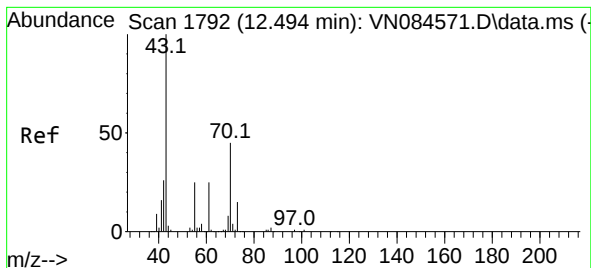
Tgt Ion:152 Resp: 142093  
Ion Ratio Lower Upper  
152 100  
115 69.0 31.3 93.9  
150 156.7 0.0 349.8



#73  
Isopropylbenzene  
Concen: 2.994 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion:105 Resp: 29813  
Ion Ratio Lower Upper  
105 100  
120 26.2 12.9 38.7





#74

N-amy1 acetate

Concen: 0.281 ug/l

RT: 12.476 min Scan# 1190

Delta R.T. -0.018 min

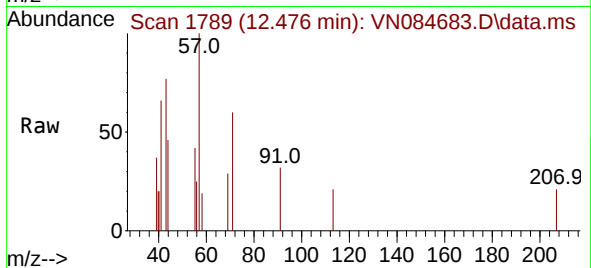
Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

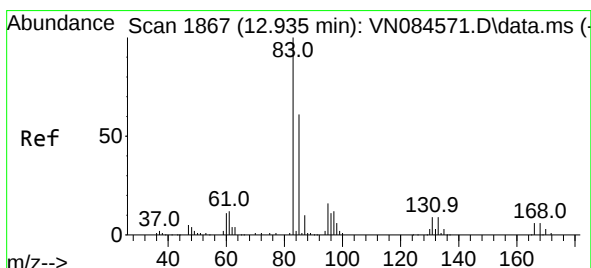
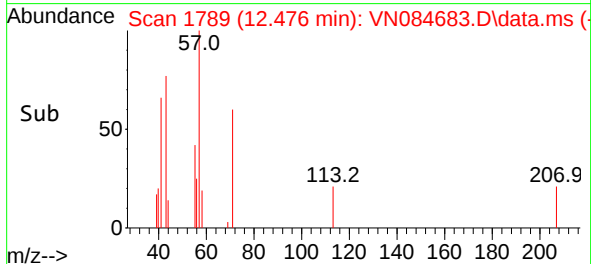
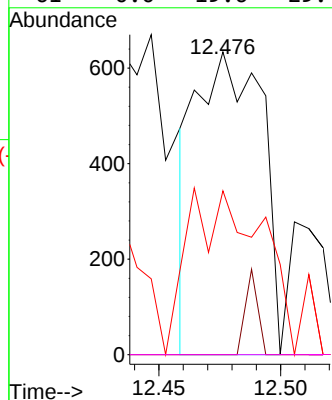
Instrument :

MSVOA\_N

ClientSampleId :



| Tgt Ion: | 43    | Resp: | 1190  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 34.4  | 51.6# |
| 55       | 21.9  | 19.6  | 29.4  |
| 61       | 0.0   | 19.6  | 29.4# |



#75

1,1,2,2-Tetrachloroethane

Concen: 0.244 ug/l

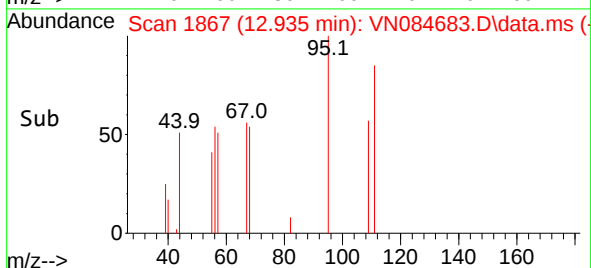
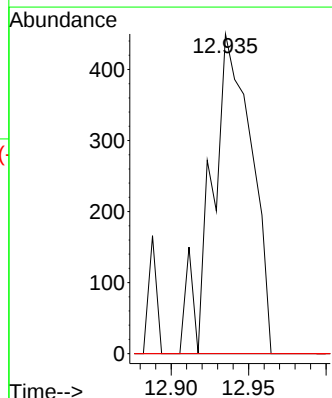
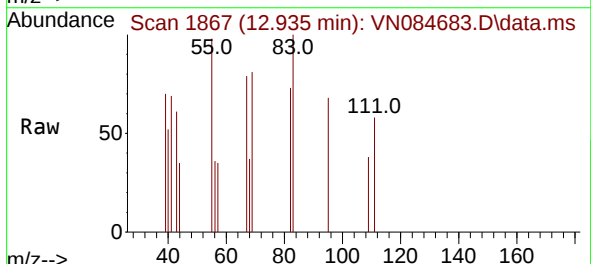
RT: 12.935 min Scan# 1867

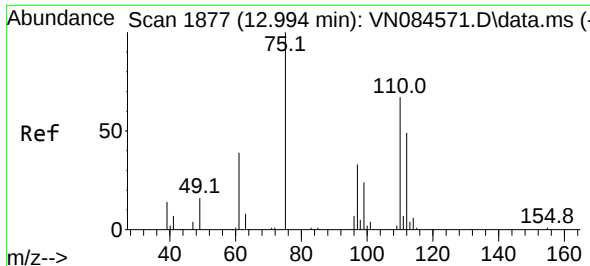
Delta R.T. -0.000 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

| Tgt Ion: | 83    | Resp: | 811   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 0.0   | 4.9   | 14.7# |
| 85       | 0.0   | 31.9  | 95.7# |

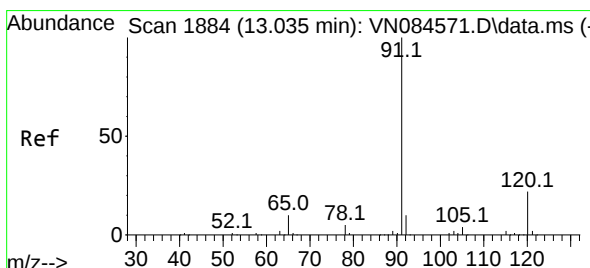
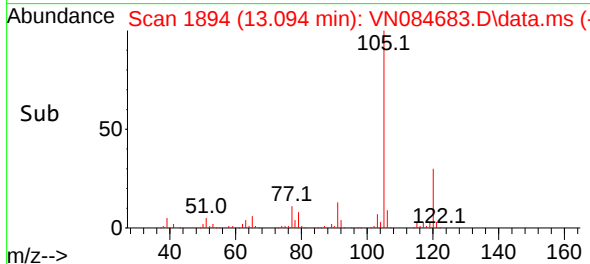
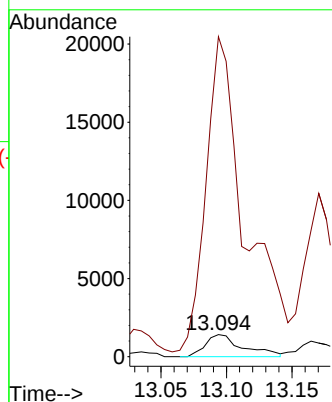
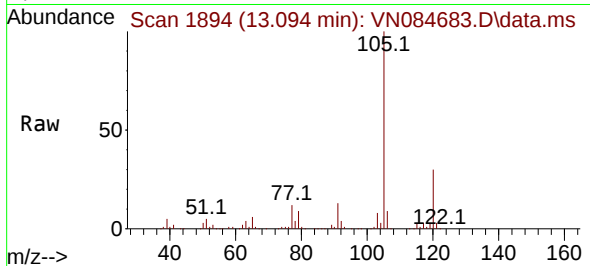




#76  
1,2,3-Trichloropropane  
Concen: 0.991 ug/l  
RT: 13.094 min Scan# 1894  
Delta R.T. 0.106 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

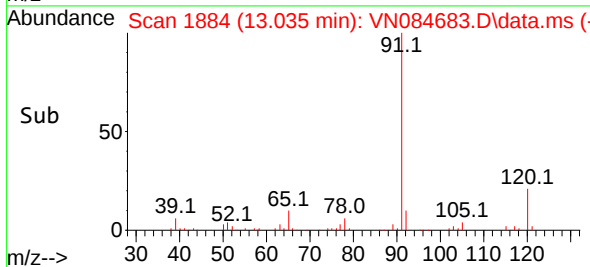
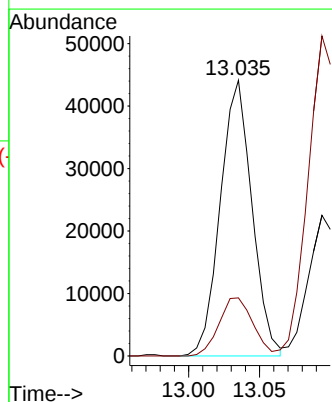
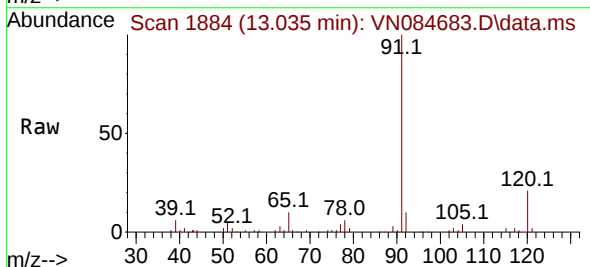
Instrument :  
MSVOA\_N  
ClientSampleId :

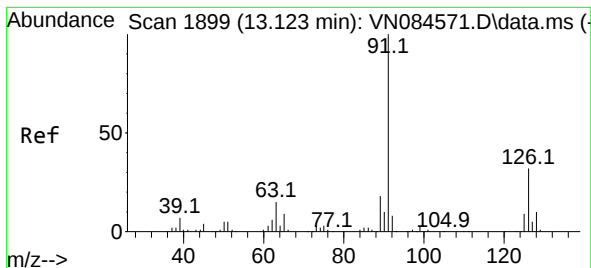
Tgt Ion: 75 Resp: 2814  
Ion Ratio Lower Upper  
75 100  
77 1536.0 96.9 290.7#



#78  
n-propylbenzene  
Concen: 5.880 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion: 91 Resp: 68613  
Ion Ratio Lower Upper  
91 100  
120 22.5 10.8 32.4





#79

2-Chlorotoluene

Concen: 4.338 ug/l

RT: 13.094 min Scan# 1899

Delta R.T. -0.030 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

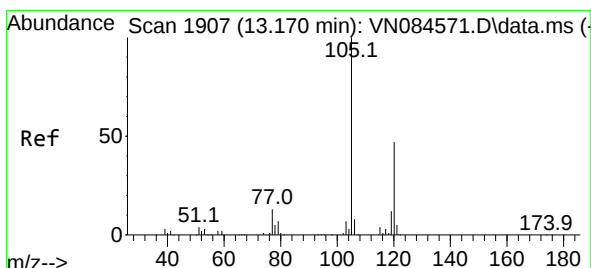
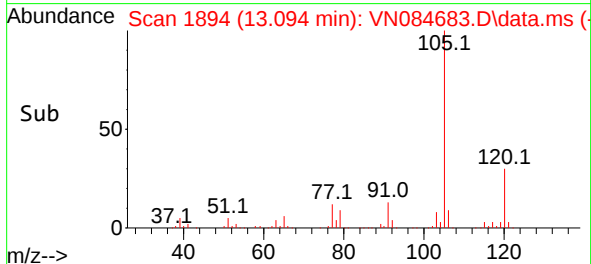
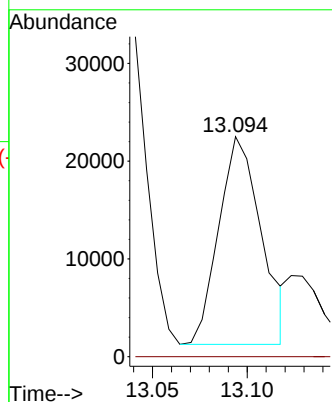
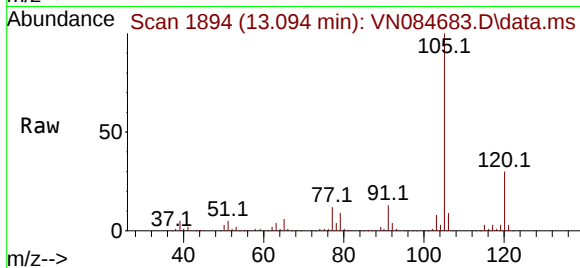
ClientSampleId :

Tgt Ion: 91 Resp: 33076

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



#80

1,3,5-Trimethylbenzene

Concen: 14.951 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN084683.D

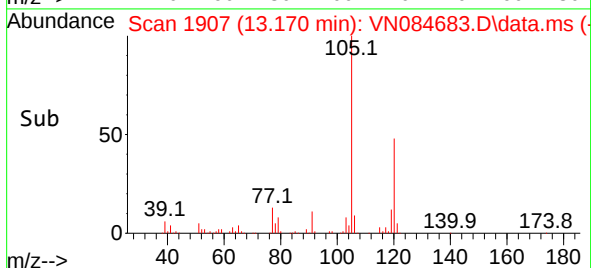
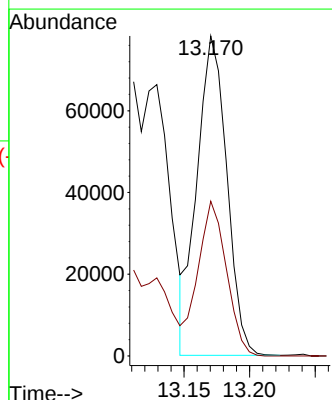
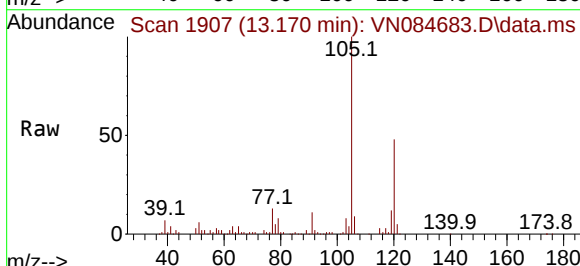
Acq: 05 Nov 2024 13:23

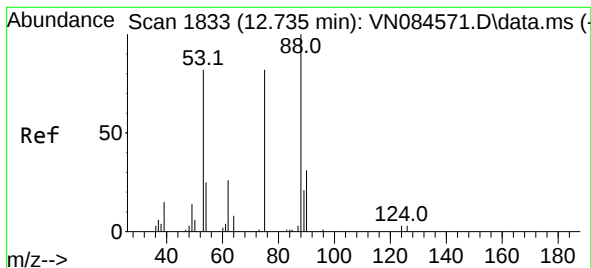
Tgt Ion:105 Resp: 123392

Ion Ratio Lower Upper

105 100

120 46.7 23.7 71.1

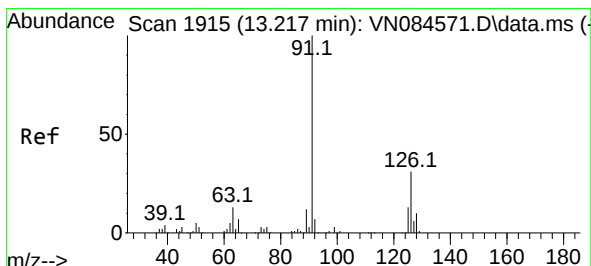
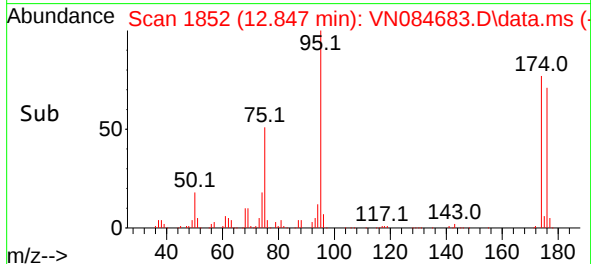
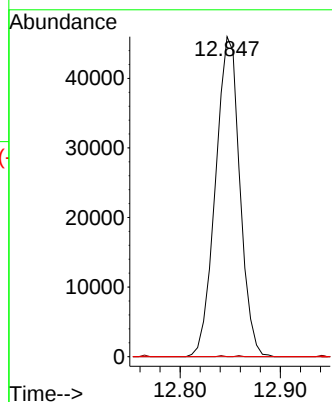
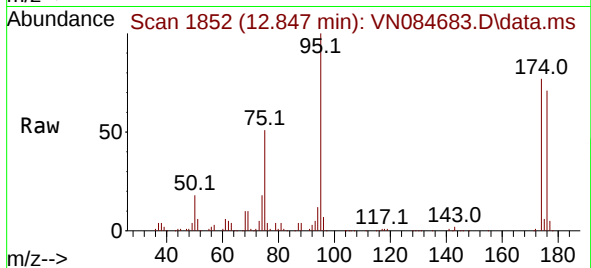




#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.658 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

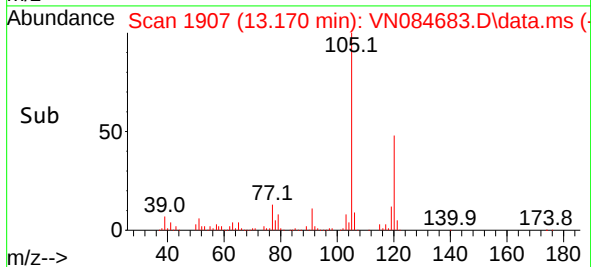
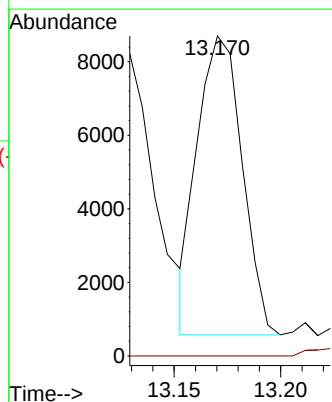
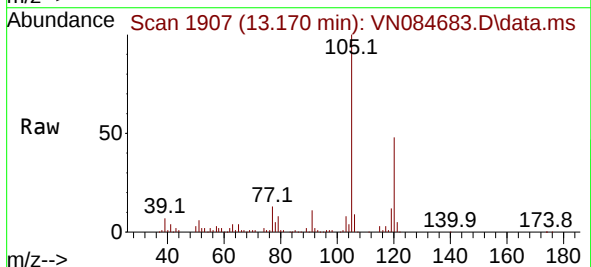
Instrument :  
MSVOA\_N  
ClientSampleId :

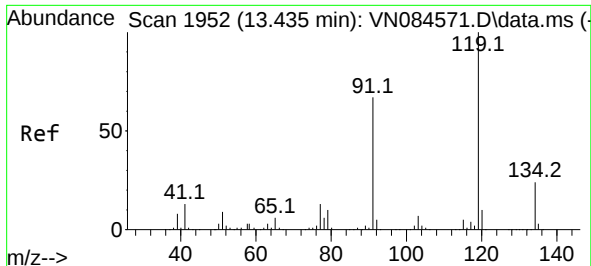
Tgt Ion: 75 Resp: 77412  
Ion Ratio Lower Upper  
75 100  
53 0.1 78.0 117.0#  
89 0.0 35.5 53.3#



#82  
4-Chlorotoluene  
Concen: 1.483 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.047 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion: 91 Resp: 11896  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.7 47.1#

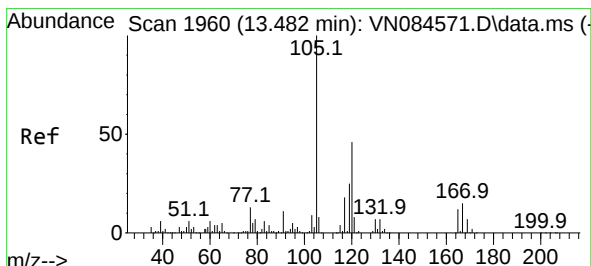
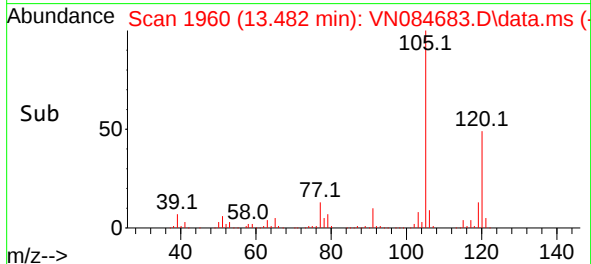
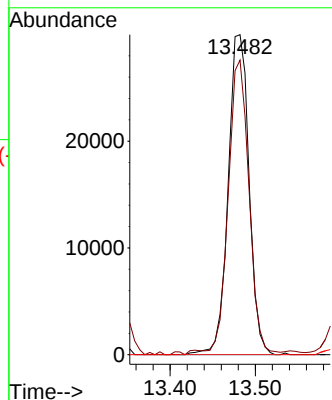
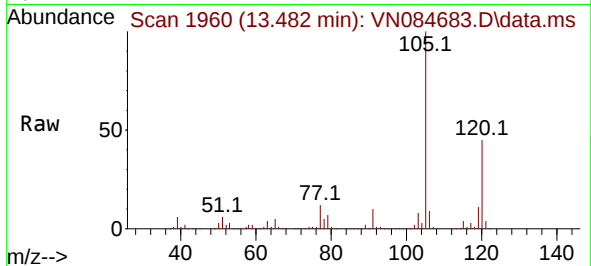




#83  
tert-Butylbenzene  
Concen: 7.482 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.047 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

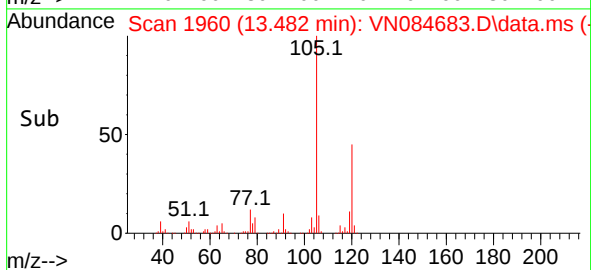
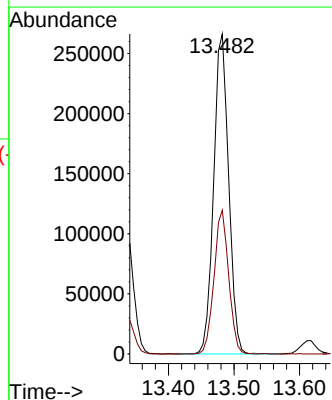
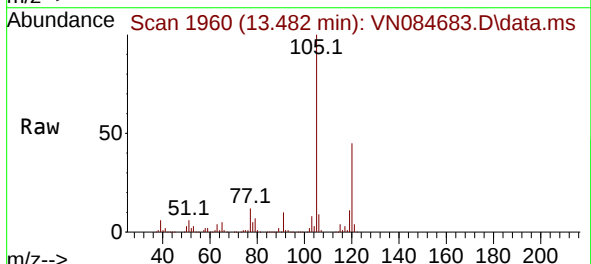
Instrument :  
MSVOA\_N  
ClientSampleId :

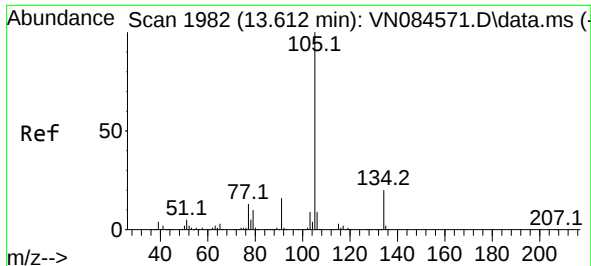
Tgt Ion:119 Resp: 51102  
Ion Ratio Lower Upper  
119 100  
91 89.0 34.1 102.3  
134 0.0 12.8 38.4#



#84  
1,2,4-Trimethylbenzene  
Concen: 49.536 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion:105 Resp: 421938  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.3 66.8

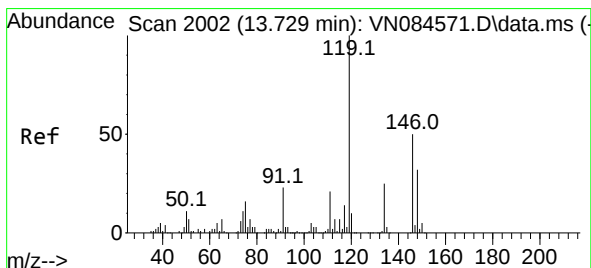
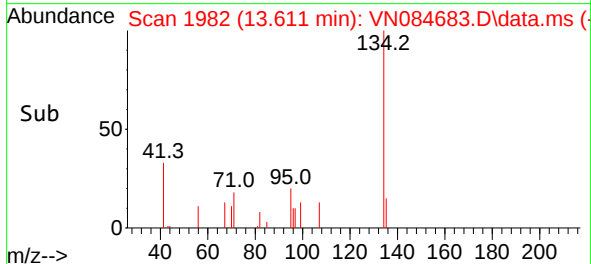
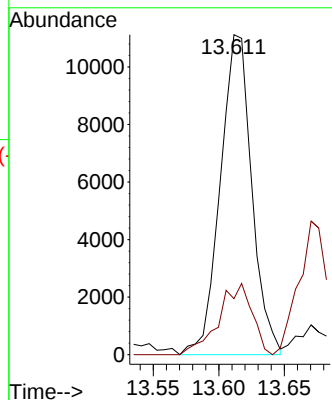
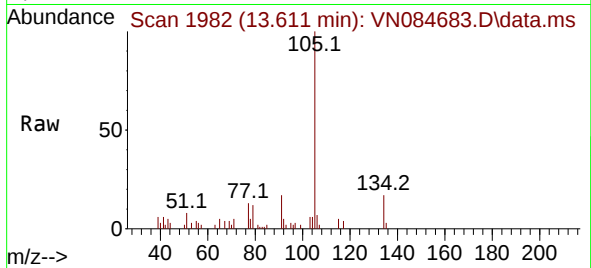




#85  
 sec-Butylbenzene  
 Concen: 1.928 ug/l  
 RT: 13.611 min Scan# 1982  
 Delta R.T. -0.006 min  
 Lab File: VN084683.D  
 Acq: 05 Nov 2024 13:23

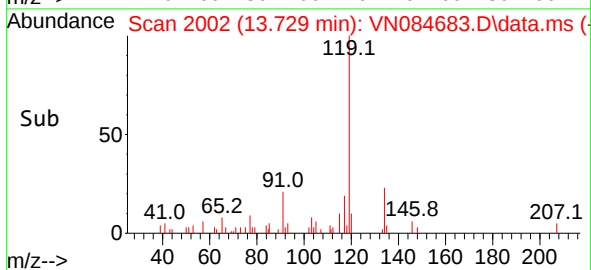
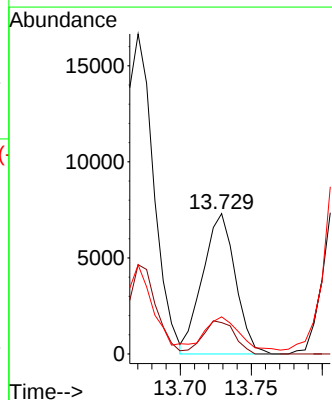
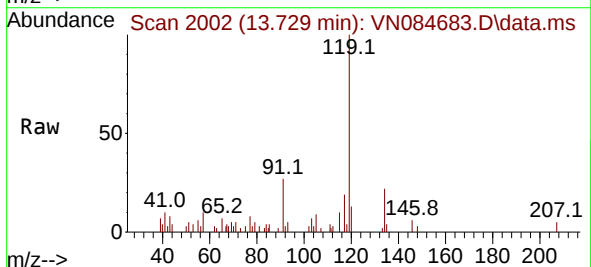
Instrument :  
 MSVOA\_N  
 ClientSampleId :

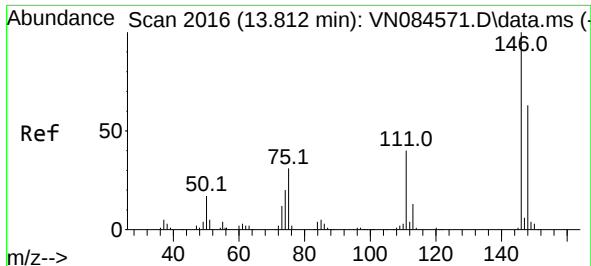
Tgt Ion:105 Resp: 18602  
 Ion Ratio Lower Upper  
 105 100  
 134 23.6 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 1.478 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084683.D  
 Acq: 05 Nov 2024 13:23

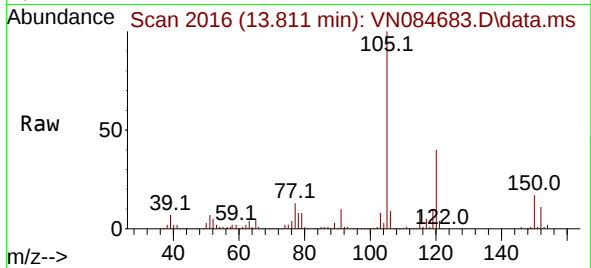
Tgt Ion:119 Resp: 11698  
 Ion Ratio Lower Upper  
 119 100  
 134 23.0 12.6 37.8  
 91 23.4 12.4 37.2



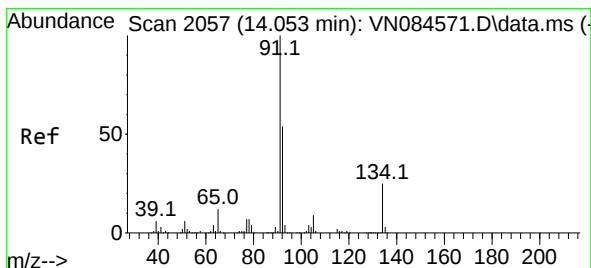
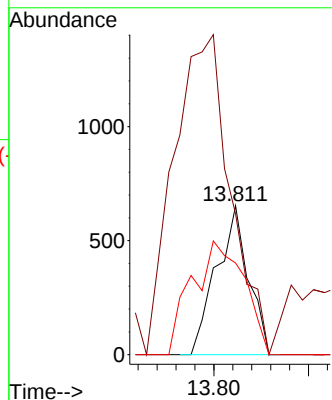
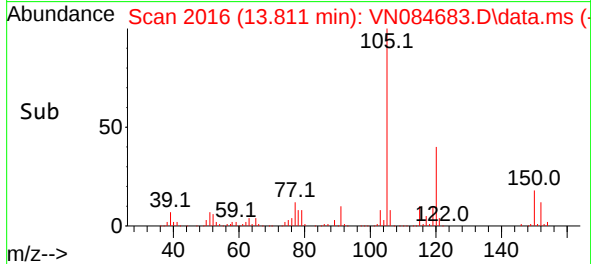


#88  
1,4-Dichlorobenzene  
Concen: Below Cal  
RT: 13.811 min Scan# 2016  
Delta R.T. -0.001 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

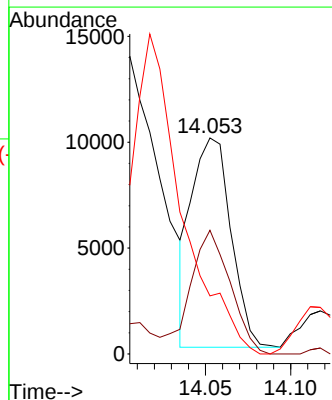
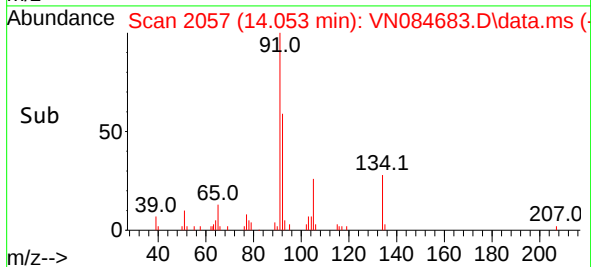
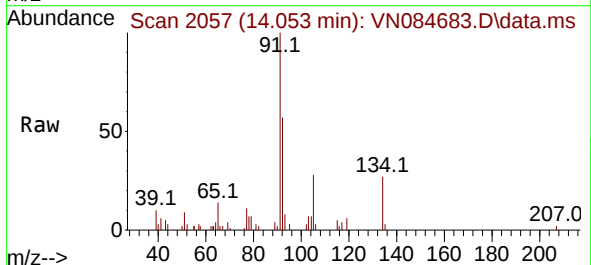


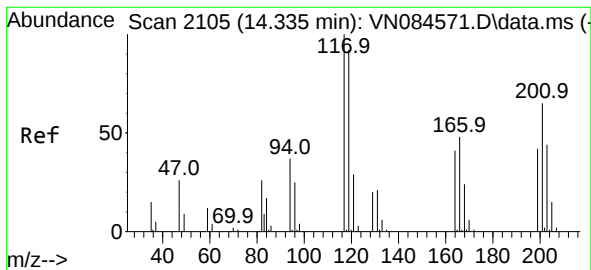
Tgt Ion:146 Resp: 767  
Ion Ratio Lower Upper  
146 100  
111 378.2 21.2 63.6#  
148 124.1 31.9 95.9#



#89  
n-Butylbenzene  
Concen: 2.133 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN084683.D  
Acq: 05 Nov 2024 13:23

Tgt Ion: 91 Resp: 15787  
Ion Ratio Lower Upper  
91 100  
92 60.4 26.6 79.7  
134 0.0 12.3 36.9#





#90

Hexachloroethane

Concen: 3.363 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

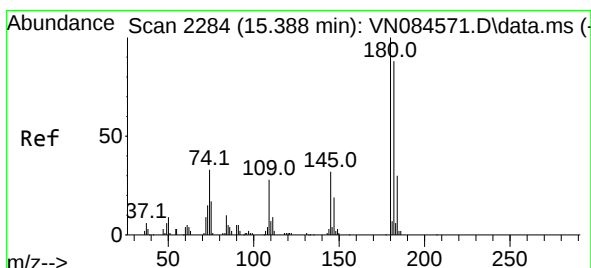
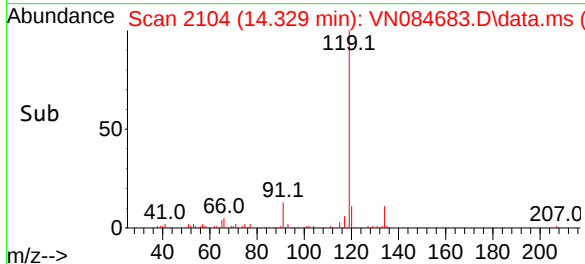
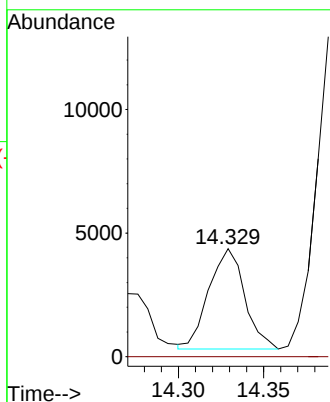
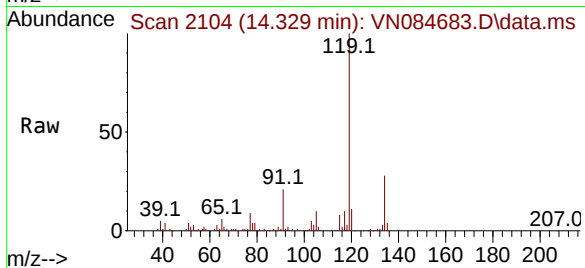
ClientSampleId :

Tgt Ion:117 Resp: 5934

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.2#



#93

1,2,4-Trichlorobenzene

Concen: 0.251 ug/l

RT: 15.382 min Scan# 2283

Delta R.T. -0.006 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

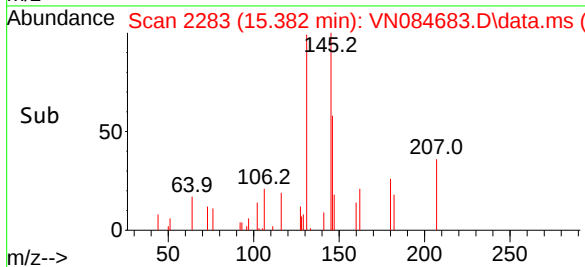
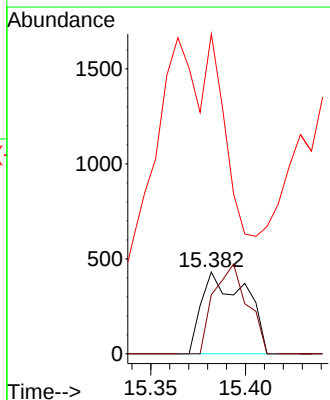
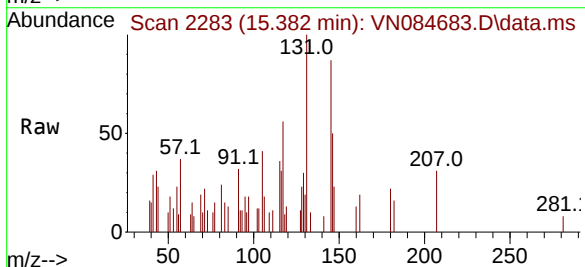
Tgt Ion:180 Resp: 689

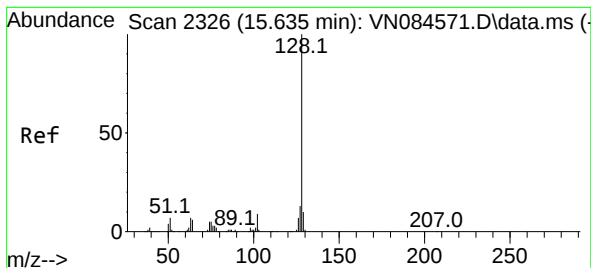
Ion Ratio Lower Upper

180 100

182 85.1 47.0 141.0

145 689.4 16.4 49.4#





#95

Naphthalene

Concen: 6.426 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Instrument :

MSVOA\_N

ClientSampleId :

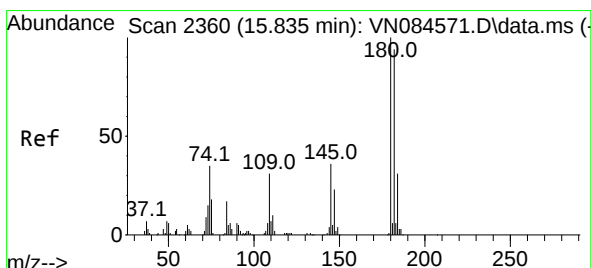
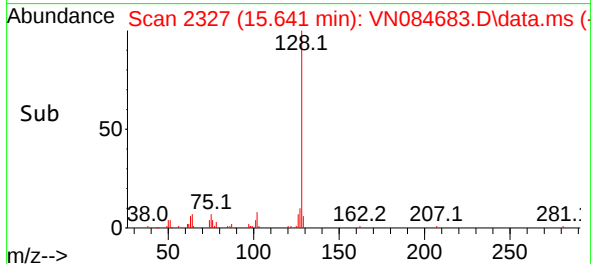
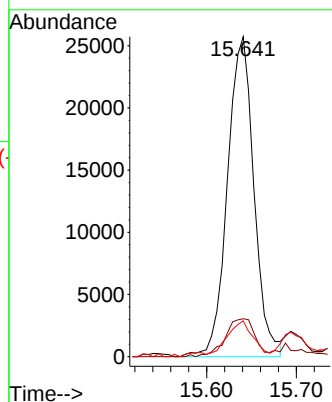
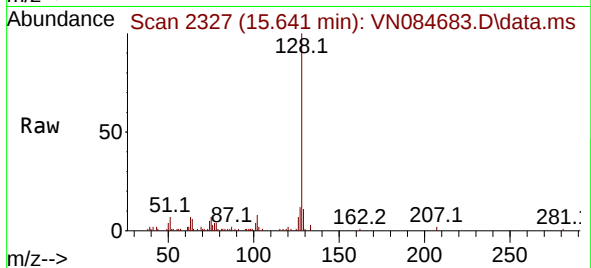
Tgt Ion:128 Resp: 52851

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.246 ug/l

RT: 15.829 min Scan# 2359

Delta R.T. -0.006 min

Lab File: VN084683.D

Acq: 05 Nov 2024 13:23

Tgt Ion:180 Resp: 657

Ion Ratio Lower Upper

180 100

182 58.1 48.2 144.6

145 0.0 17.3 51.9#

