

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112024\  
 Data File : VN084971.D  
 Acq On : 20 Nov 2024 16:09  
 Operator : JC\MD  
 Sample : P4893-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-763

Quant Time: Nov 21 00:41:24 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  | 148479   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 273504   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 251646   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 105018   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 110829   | 51.680   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 103.360% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 88032    | 47.552   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 95.100%  |      |
| 50) Toluene-d8              | 10.565 | 98    | 322225   | 47.250   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 94.500%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 123285   | 48.372   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 96.740%  |      |

|                               |        |     |        |           |      |      |
|-------------------------------|--------|-----|--------|-----------|------|------|
| Target Compounds              |        |     |        | Qvalue    |      |      |
| 3) Chloromethane              | 2.365  | 50  | 590    | Below Cal | #    | 41   |
| 5) Bromomethane               | 2.901  | 94  | 422    | 0.434     | ug/l | 88   |
| 6) Chloroethane               | 3.118  | 64  | 155    | Below Cal | #    | 45   |
| 11) Tert butyl alcohol        | 5.530  | 59  | 394    | 1.392     | ug/l | # 73 |
| 16) Acetone                   | 4.436  | 43  | 18966  | 28.084    | ug/l | 92   |
| 17) Carbon Disulfide          | 4.694  | 76  | 1507   | 0.289     | ug/l | # 75 |
| 18) Methyl Acetate            | 5.030  | 43  | 4552   | Below Cal | #    | 65   |
| 20) Methylene Chloride        | 5.265  | 84  | 1322   | 0.701     | ug/l | # 69 |
| 25) 2-Butanone                | 7.483  | 43  | 2978   | 2.977     | ug/l | 93   |
| 29) Tetrahydrofuran           | 7.847  | 42  | 455    | 0.686     | ug/l | # 64 |
| 31) Cyclohexane               | 8.218  | 56  | 3247   | 1.097     | ug/l | # 1  |
| 36) 1,1-Dichloropropene       | 8.218  | 75  | 12257  | 4.774     | ug/l | # 51 |
| 37) Ethyl Acetate             | 7.565  | 43  | 2818   | 1.210     | ug/l | # 79 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 15909  | 5.544     | ug/l | # 16 |
| 42) 1,2-Dichloroethane        | 8.677  | 62  | 762    | 0.285     | ug/l | # 75 |
| 43) Isopropyl Acetate         | 8.688  | 43  | 148181 | 34.126    | ug/l | # 81 |
| 44) Trichloroethene           | 9.347  | 130 | 532    | 0.280     | ug/l | 95   |
| 45) 1,2-Dichloropropane       | 9.741  | 63  | 1222   | 0.632     | ug/l | # 44 |
| 48) Methyl methacrylate       | 9.671  | 41  | 2655   | 1.464     | ug/l | # 13 |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43  | 8448   | 3.804     | ug/l | # 72 |
| 53) t-1,3-Dichloropropene     | 10.835 | 75  | 819    | 0.275     | ug/l | 97   |
| 54) cis-1,3-Dichloropropene   | 10.359 | 75  | 33042  | 10.483    | ug/l | # 62 |
| 57) 1,3-Dichloropropane       | 11.200 | 76  | 4759   | 1.527     | ug/l | # 42 |
| 59) 2-Hexanone                | 11.200 | 43  | 54683  | 33.830    | ug/l | # 56 |
| 65) Chlorobenzene             | 11.888 | 112 | 1406   | 0.250     | ug/l | # 71 |
| 68) m/p-Xylenes               | 12.065 | 106 | 1474   | 0.414     | ug/l | 98   |
| 70) Styrene                   | 12.406 | 104 | 1587   | 0.273     | ug/l | 95   |
| 74) N-amyl acetate            | 12.488 | 43  | 1041   | 0.332     | ug/l | # 51 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 63443  | 30.222    | ug/l | # 1  |
| 77) Bromobenzene              | 12.976 | 156 | 921    | 0.466     | ug/l | 89   |
| 78) n-propylbenzene           | 13.035 | 91  | 2962   | 0.343     | ug/l | 94   |
| 79) 2-Chlorotoluene           | 13.129 | 91  | 1956   | 0.347     | ug/l | 87   |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105 | 1621   | 0.266     | ug/l | 83   |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 63443  | 71.698    | ug/l | # 11 |
| 82) 4-Chlorotoluene           | 13.217 | 91  | 2843   | 0.479     | ug/l | 93   |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105 | 1878   | 0.298     | ug/l | 87   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112024\  
 Data File : VN084971.D  
 Acq On : 20 Nov 2024 16:09  
 Operator : JC\MD  
 Sample : P4893-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

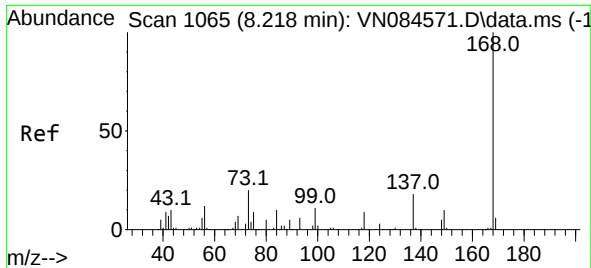
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-763

Quant Time: Nov 21 00:41:24 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          | 13.617 | 105  | 1989     | 0.279     | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.723 | 119  | 1561     | 0.267     | ug/l   | 88       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 2000     | 0.518     | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146  | 2000     | Below Cal |        | 97       |
| 89) n-Butylbenzene            | 14.059 | 91   | 2686     | 0.491     | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 1711     | 0.461     | ug/l   | 86       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 128      | 0.257     | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 1566     | 0.771     | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 426      | 0.478     | ug/l   | 90       |
| 95) Naphthalene               | 15.641 | 128  | 5276     | 0.868     | ug/l # | 92       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 1497     | 0.759     | ug/l   | 94       |
| -----                         |        |      |          |           |        |          |

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

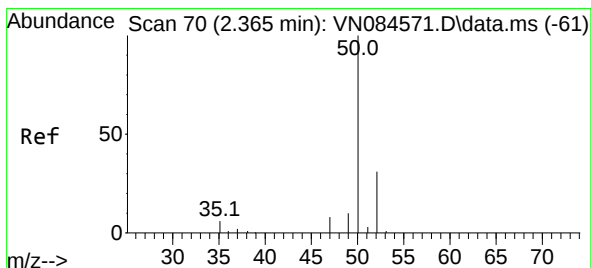
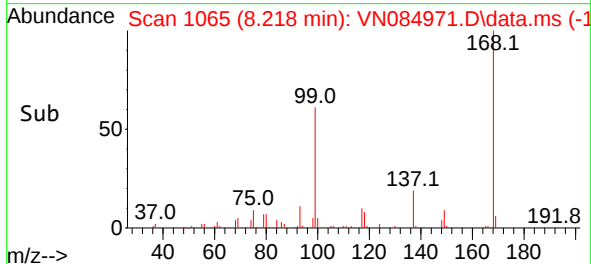
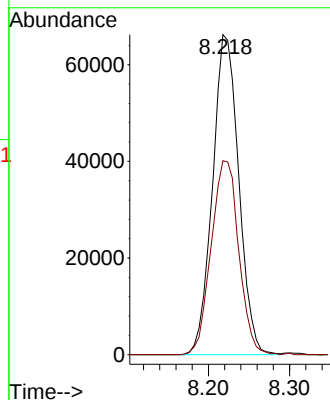
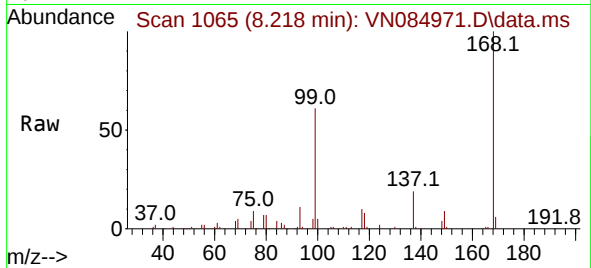




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

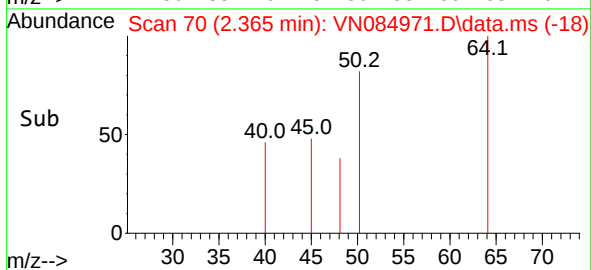
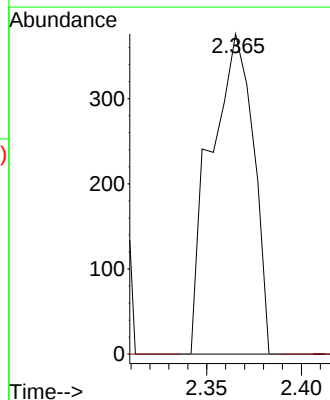
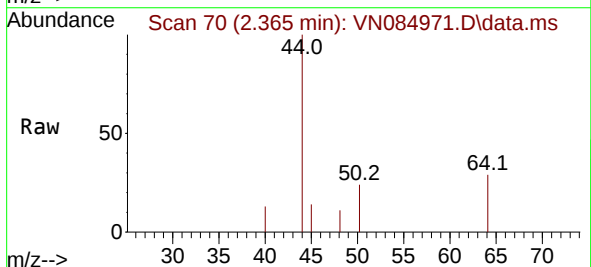
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

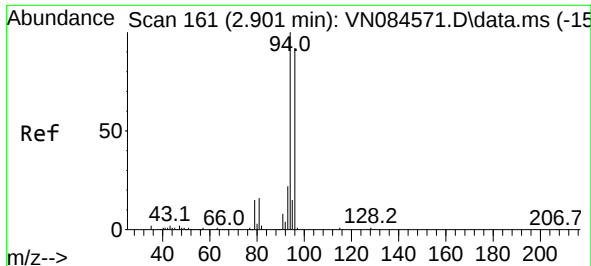
Tgt Ion:168 Resp: 148479  
Ion Ratio Lower Upper  
168 100  
99 60.6 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 50 Resp: 590  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.8 40.2#

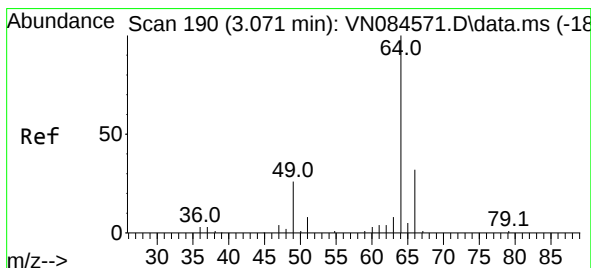
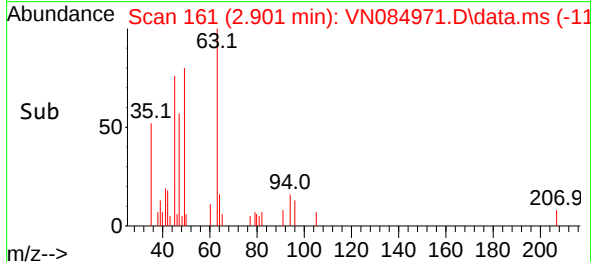
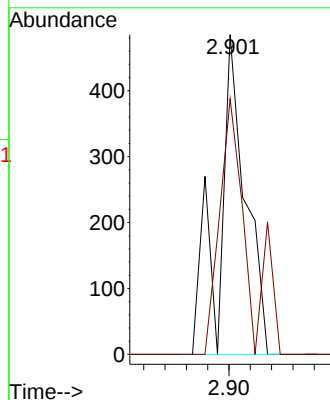
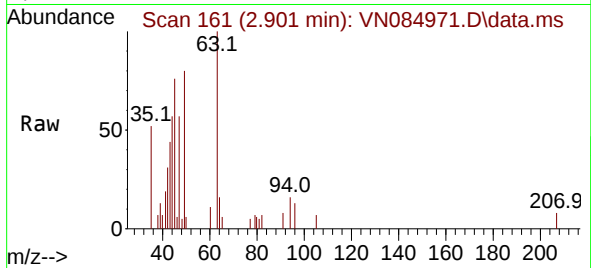




#5  
Bromomethane  
Concen: 0.434 ug/l  
RT: 2.901 min Scan# 11  
Delta R.T. -0.052 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

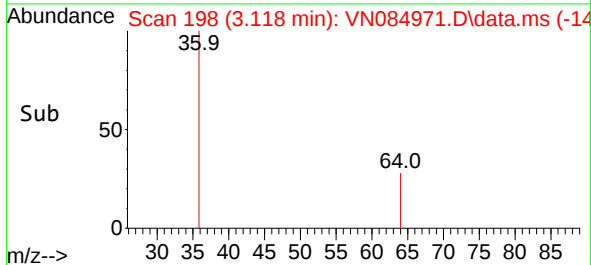
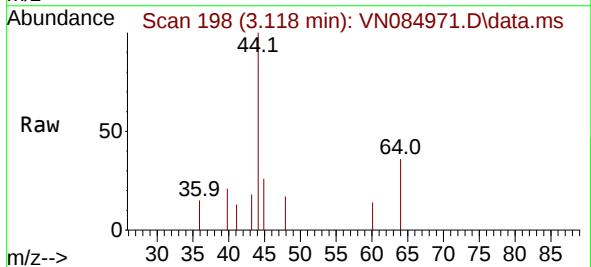
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

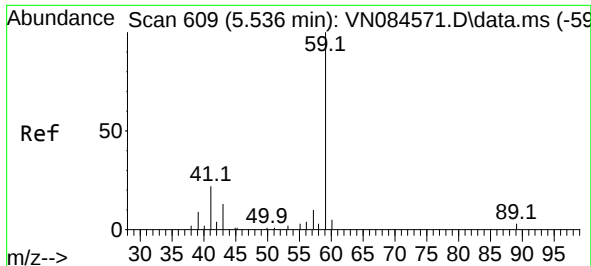
Tgt Ion: 94 Resp: 422  
Ion Ratio Lower Upper  
94 100  
96 80.0 72.9 109.3



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 64 Resp: 155  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.5 35.3#

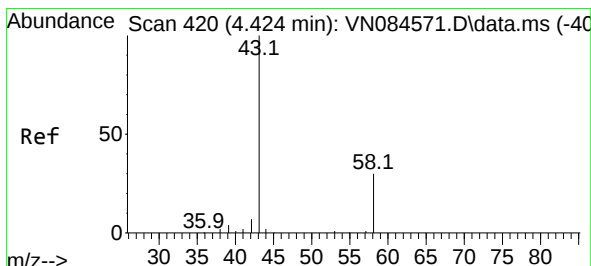
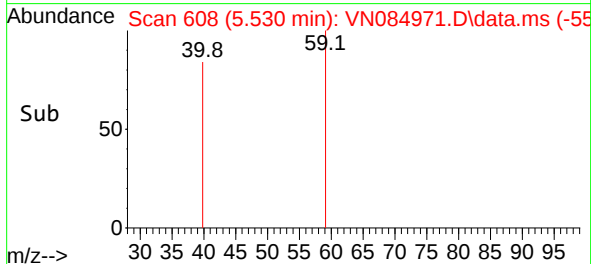
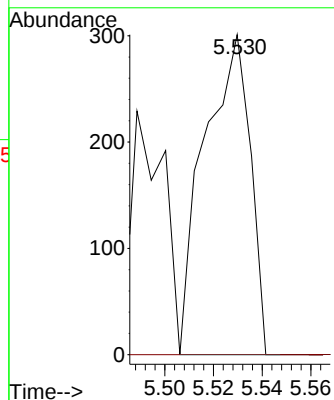
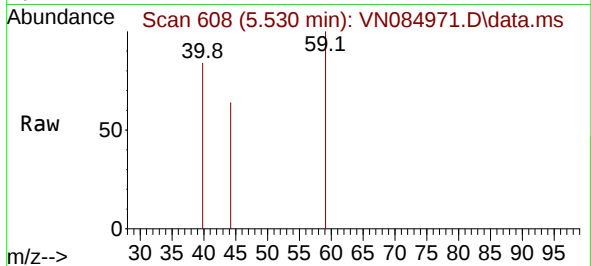




#11  
Tert butyl alcohol  
Concen: 1.392 ug/l  
RT: 5.530 min Scan# 609  
Delta R.T. 0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

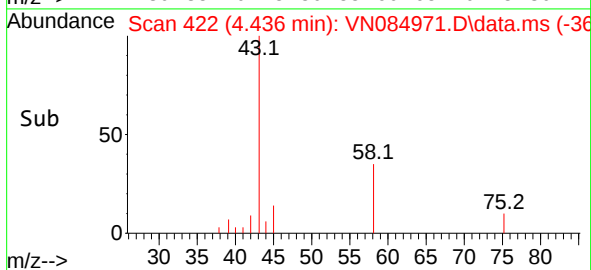
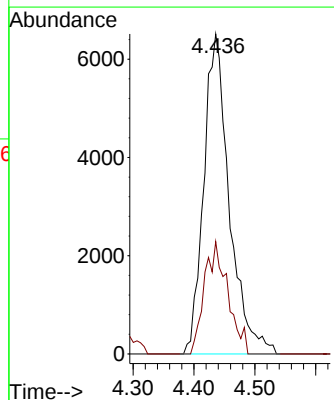
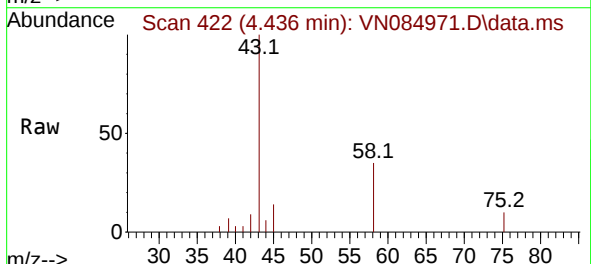
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

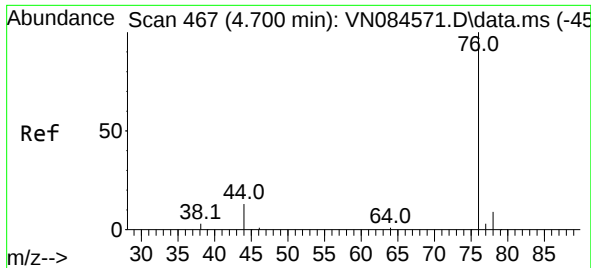
Tgt Ion: 59 Resp: 394  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



#16  
Acetone  
Concen: 28.084 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 43 Resp: 18966  
Ion Ratio Lower Upper  
43 100  
58 35.1 24.4 36.6

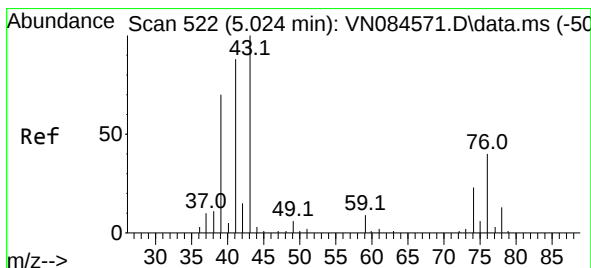
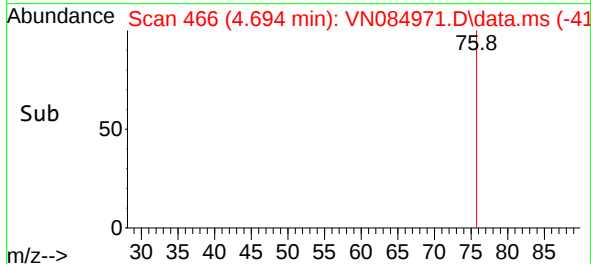
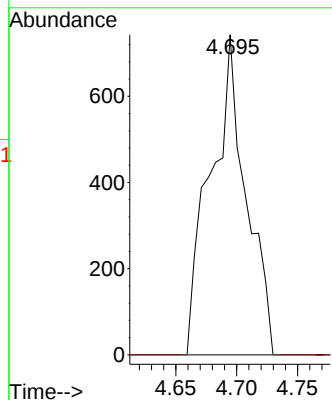
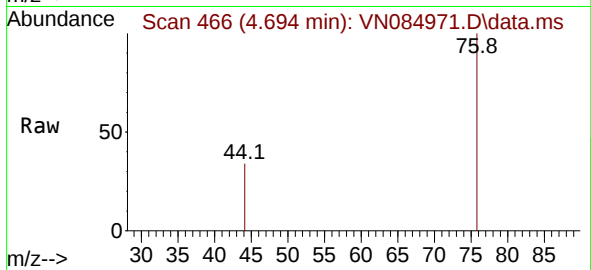




#17  
Carbon Disulfide  
Concen: 0.289 ug/l  
RT: 4.694 min Scan# 41  
Delta R.T. -0.018 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

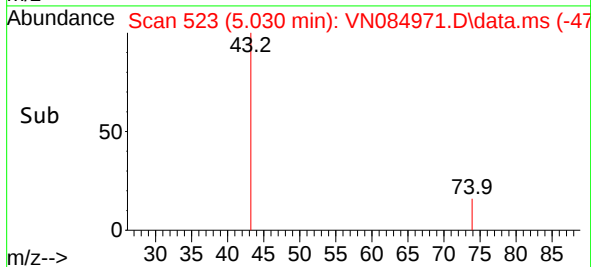
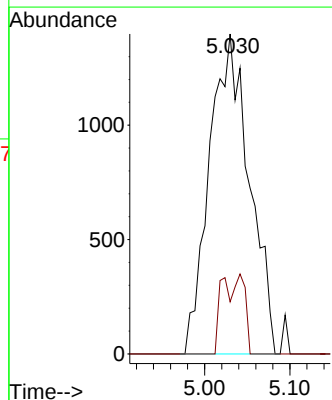
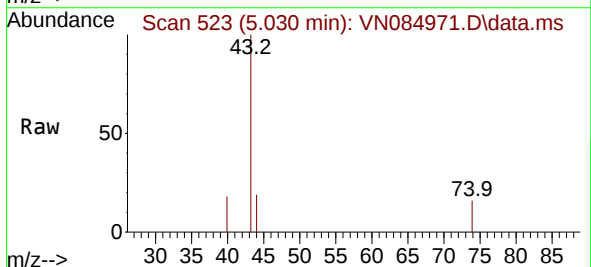
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

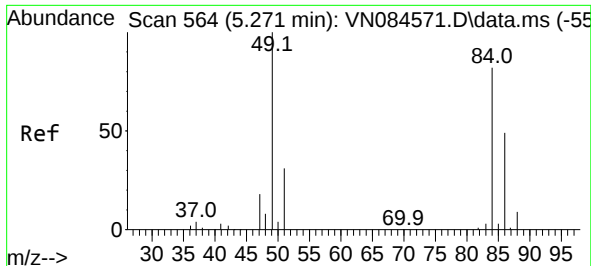
Tgt Ion: 76 Resp: 1507  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.3 10.9#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.030 min Scan# 523  
Delta R.T. 0.012 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 43 Resp: 4552  
Ion Ratio Lower Upper  
43 100  
74 6.9 19.2 28.8#

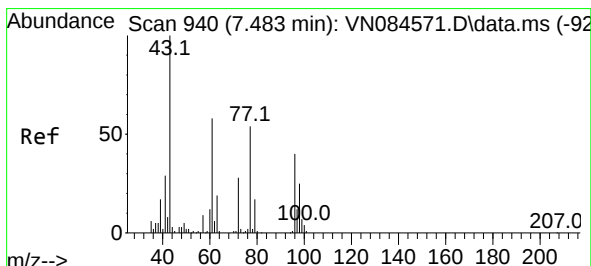
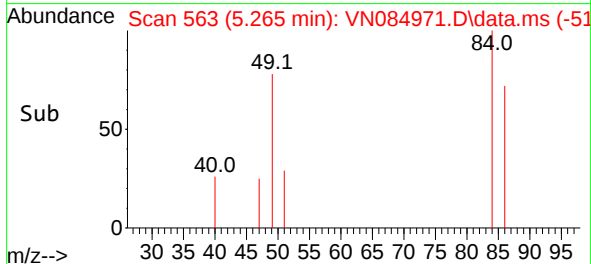
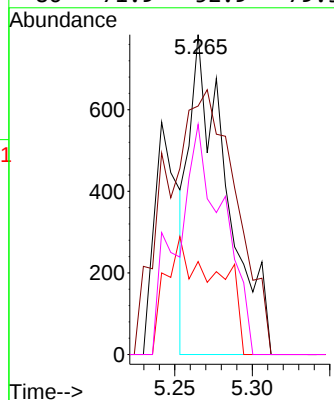
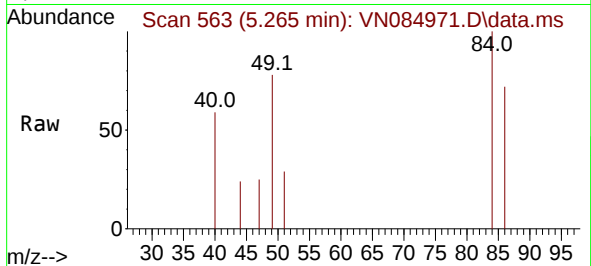




#20  
Methylene Chloride  
Concen: 0.701 ug/l  
RT: 5.265 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

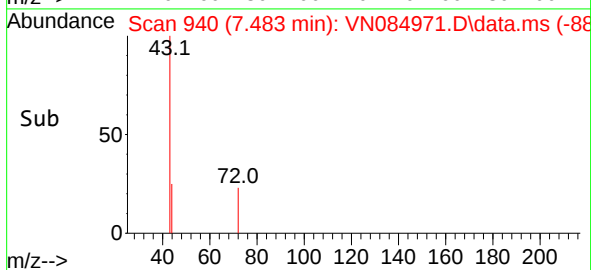
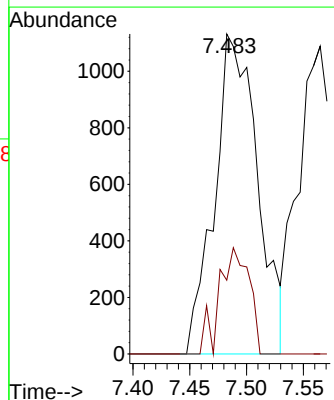
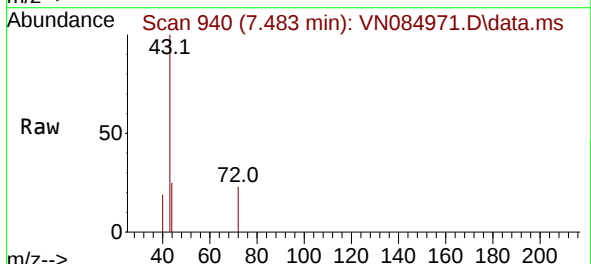
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

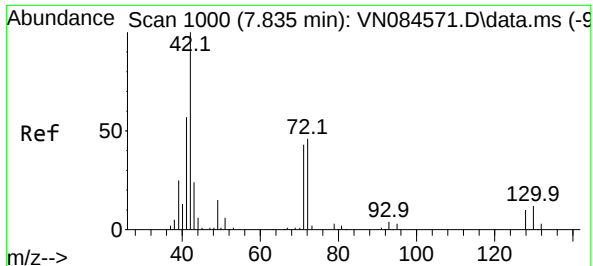
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|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1322   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 77.7  | 107.2 | 160.8# |
| 51       | 29.1  | 31.8  | 47.8#  |
| 86       | 71.9  | 52.9  | 79.3   |



#25  
2-Butanone  
Concen: 2.977 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2978  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.1  | 21.4  | 32.2  |





#29

Tetrahydrofuran

Concen: 0.686 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.012 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

MH-763

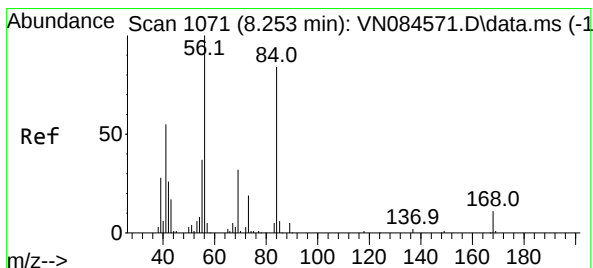
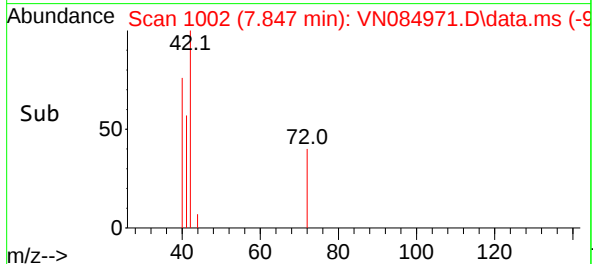
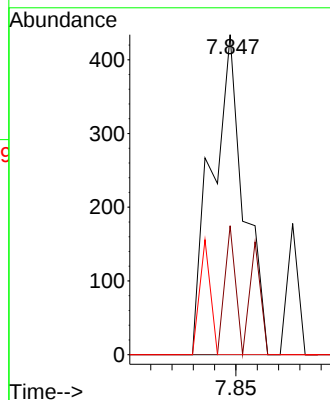
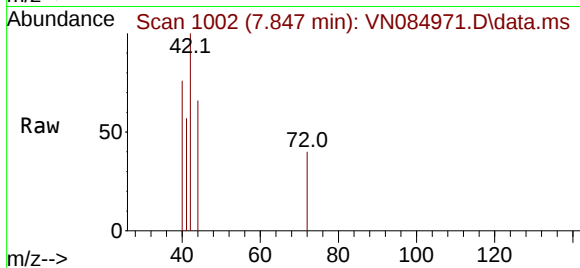
Tgt Ion: 42 Resp: 455

Ion Ratio Lower Upper

42 100

72 25.5 34.6 51.8#

71 12.1 32.2 48.4#



#31

Cyclohexane

Concen: 1.097 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

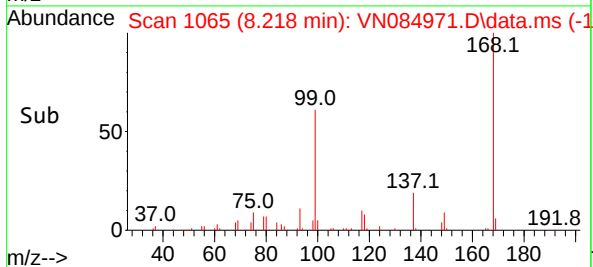
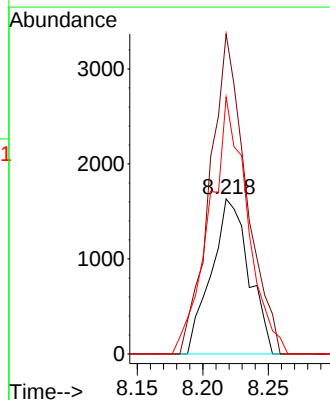
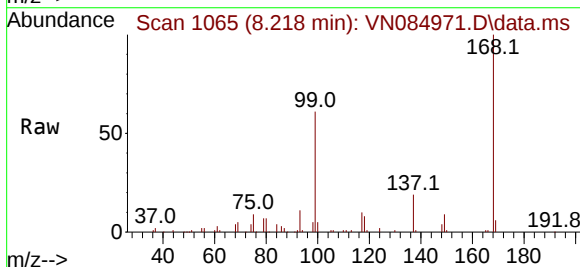
Tgt Ion: 56 Resp: 3247

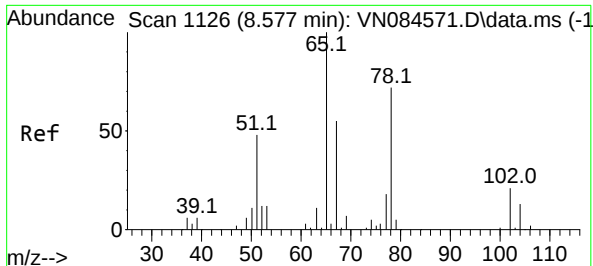
Ion Ratio Lower Upper

56 100

69 206.4 23.8 35.6#

84 155.1 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.680 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

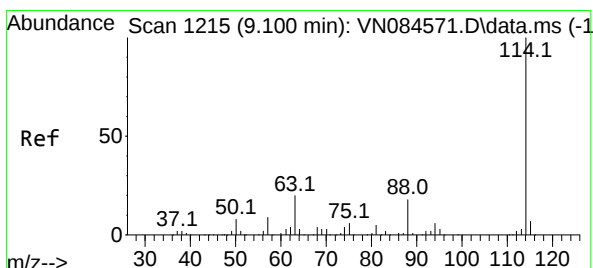
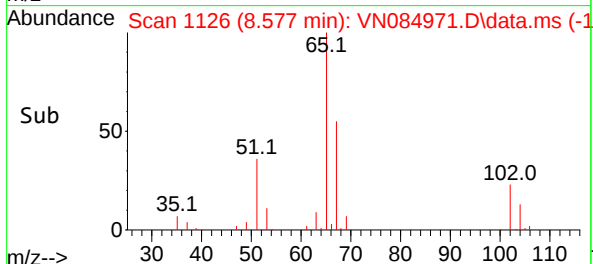
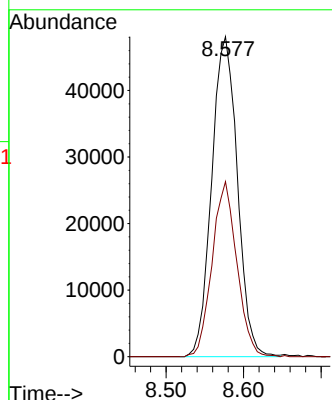
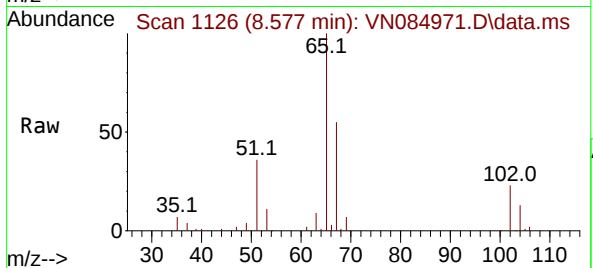
MH-763

Tgt Ion: 65 Resp: 110829

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

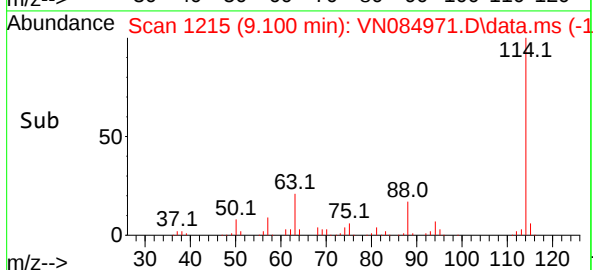
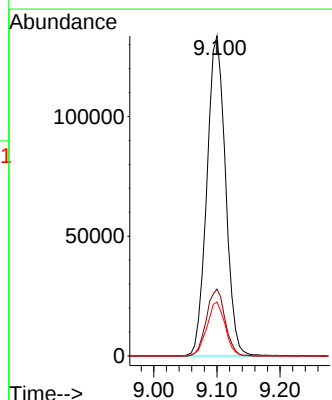
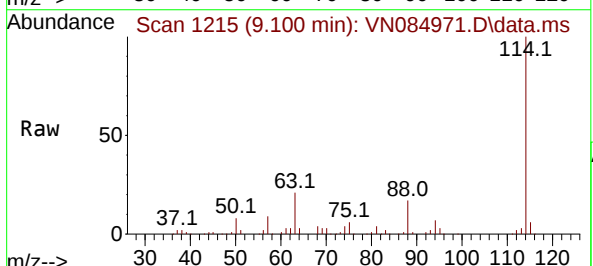
Tgt Ion: 114 Resp: 273504

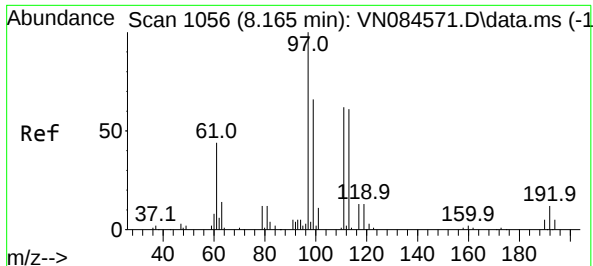
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.552 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

MH-763

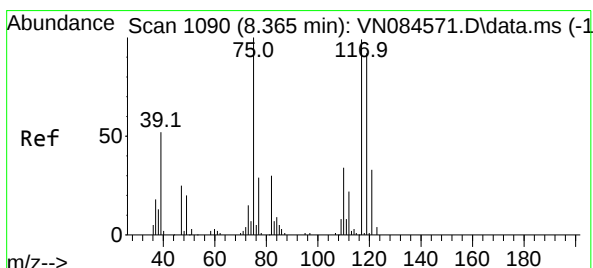
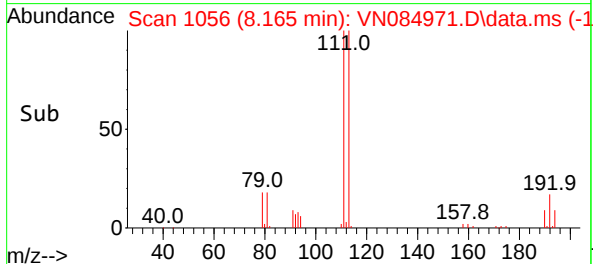
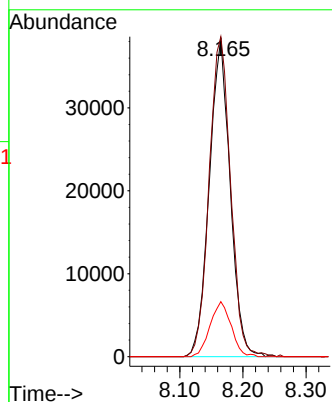
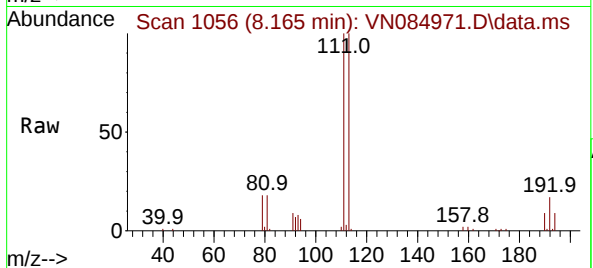
Tgt Ion:113 Resp: 88032

Ion Ratio Lower Upper

113 100

111 103.4 83.3 124.9

192 17.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.774 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

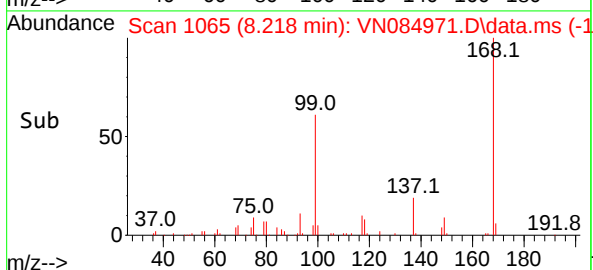
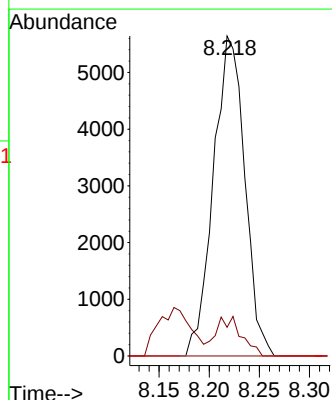
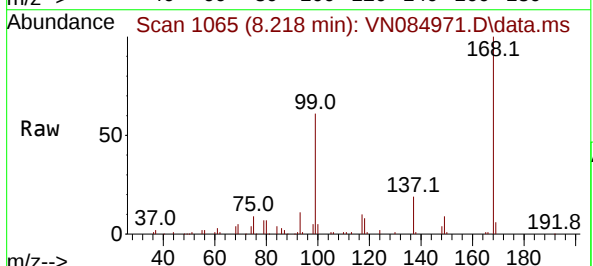
Tgt Ion: 75 Resp: 12257

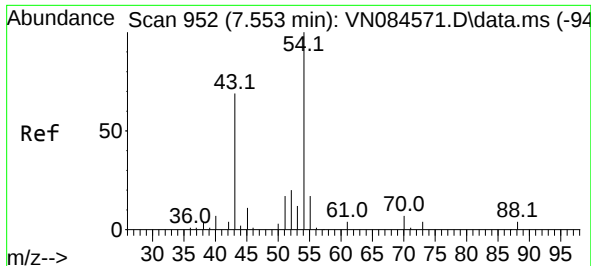
Ion Ratio Lower Upper

75 100

110 10.1 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.210 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

MH-763

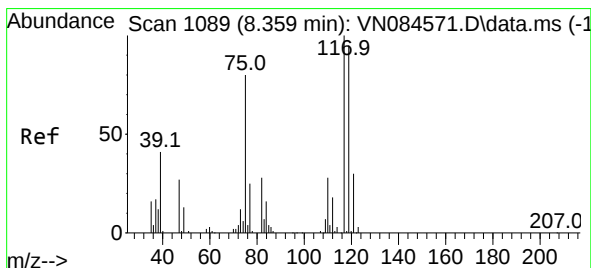
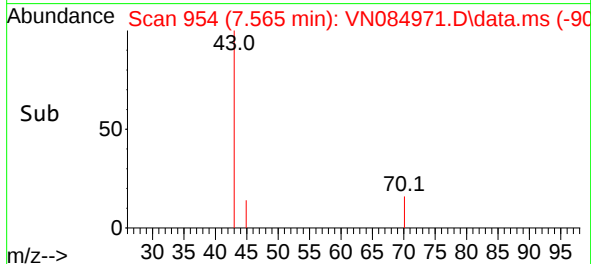
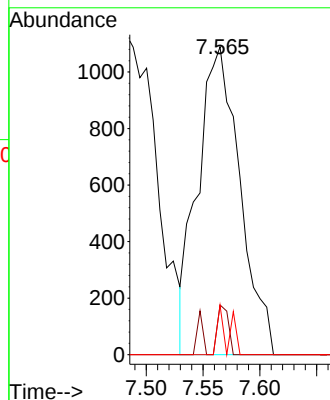
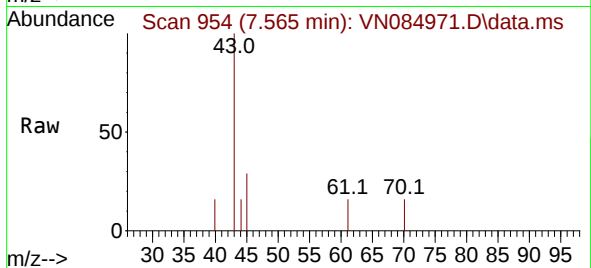
Tgt Ion: 43 Resp: 2818

Ion Ratio Lower Upper

43 100

61 4.1 10.7 16.1#

70 4.1 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.544 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

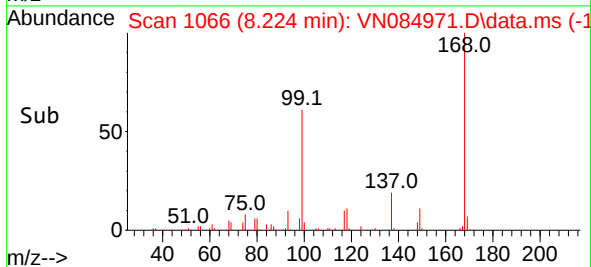
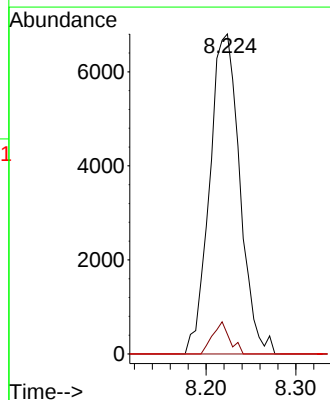
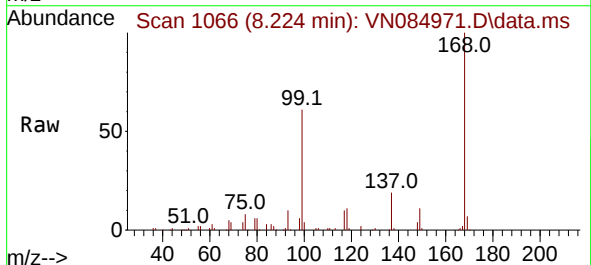
Tgt Ion: 117 Resp: 15909

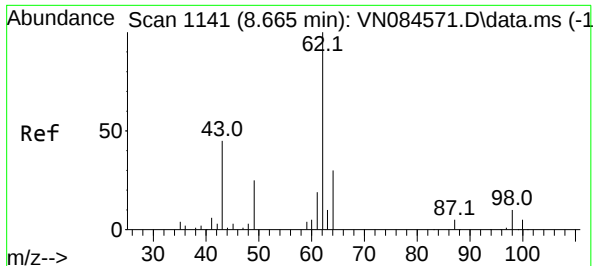
Ion Ratio Lower Upper

117 100

119 6.1 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

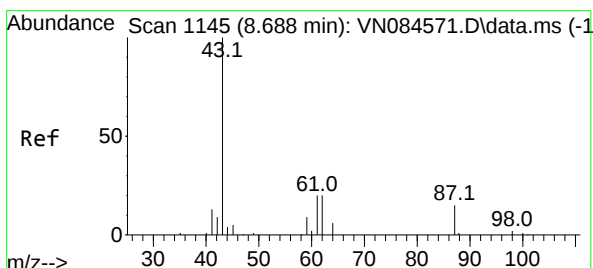
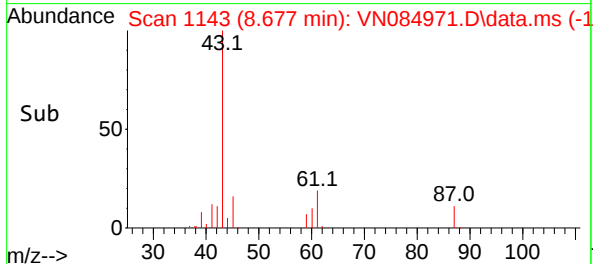
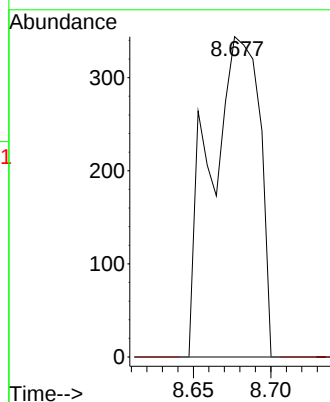
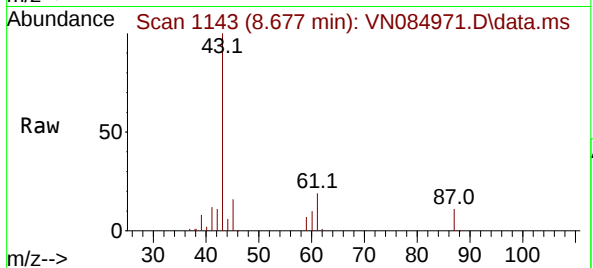
MH-763

Tgt Ion: 62 Resp: 762

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 34.126 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

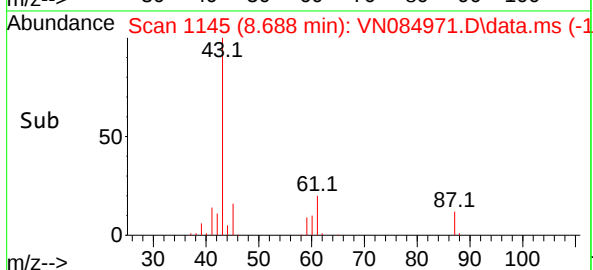
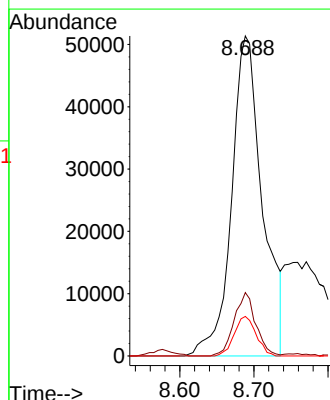
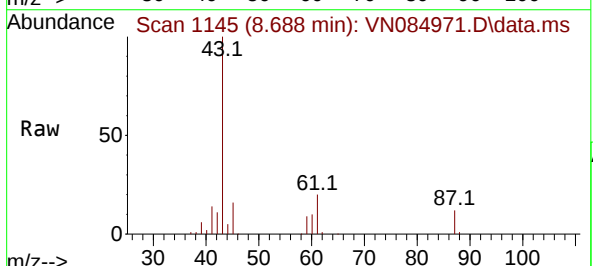
Tgt Ion: 43 Resp: 148181

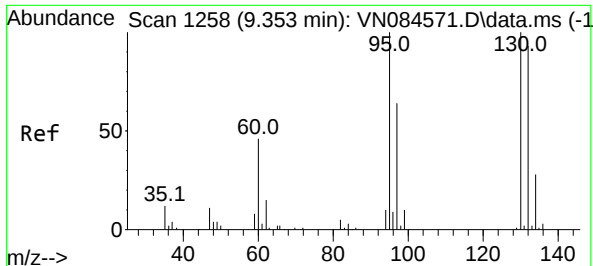
Ion Ratio Lower Upper

43 100

61 13.9 20.4 30.6#

87 8.8 10.3 15.5#

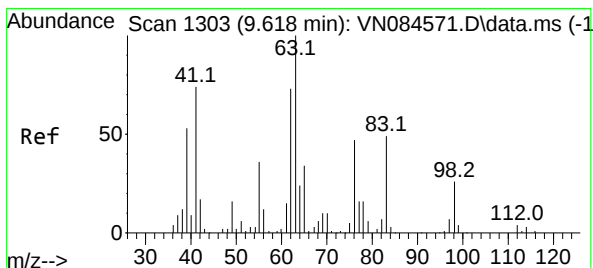
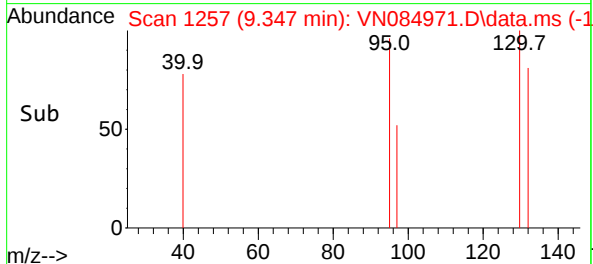
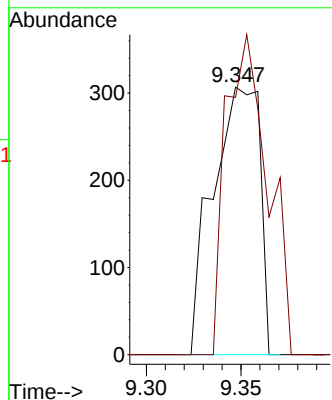
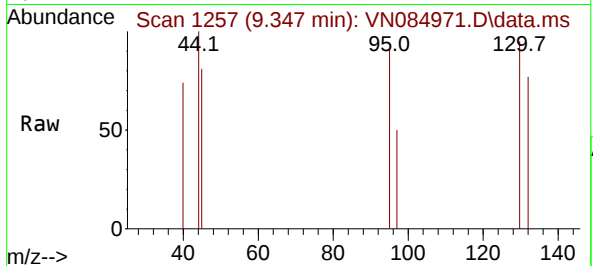




#44  
Trichloroethene  
Concen: 0.280 ug/l  
RT: 9.347 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

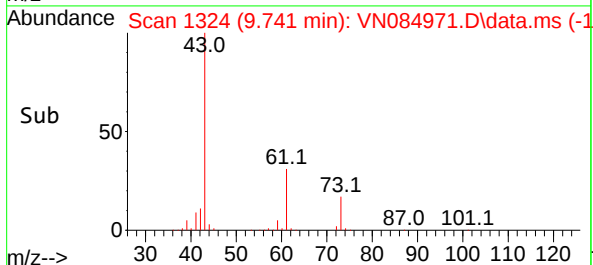
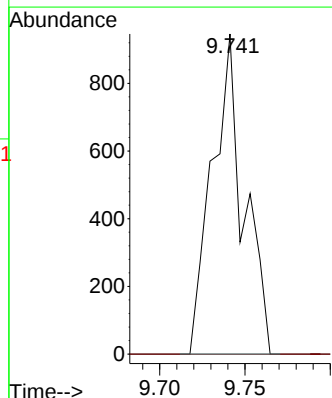
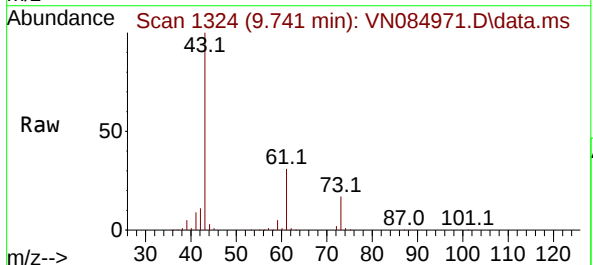
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

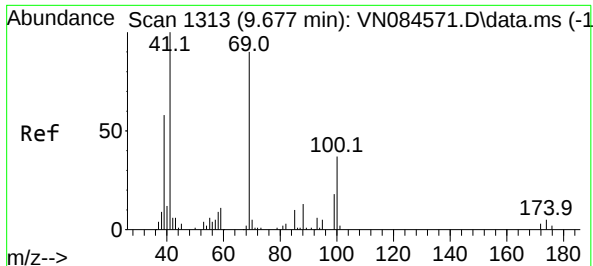
Tgt Ion:130 Resp: 532  
Ion Ratio Lower Upper  
130 100  
95 96.1 0.0 203.0



#45  
1,2-Dichloropropane  
Concen: 0.632 ug/l  
RT: 9.741 min Scan# 1324  
Delta R.T. 0.123 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 63 Resp: 1222  
Ion Ratio Lower Upper  
63 100  
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.464 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

MH-763

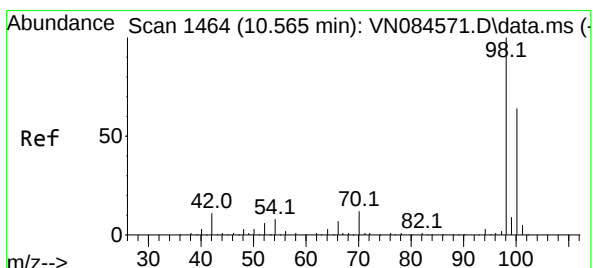
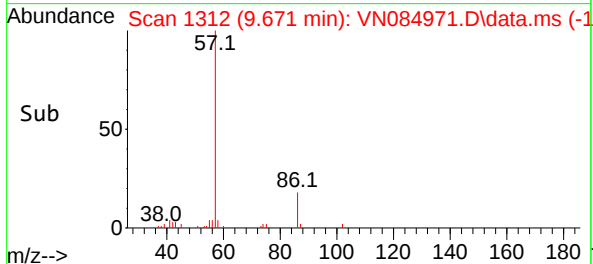
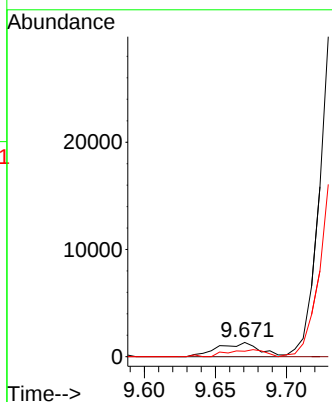
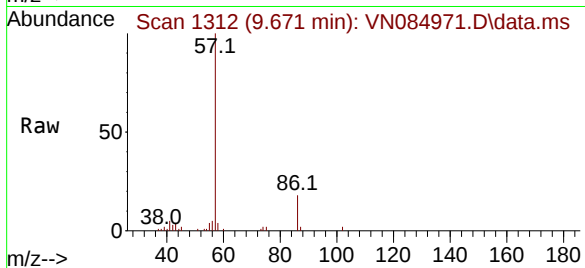
Tgt Ion: 41 Resp: 2655

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#



#50

Toluene-d8

Concen: 47.250 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084971.D

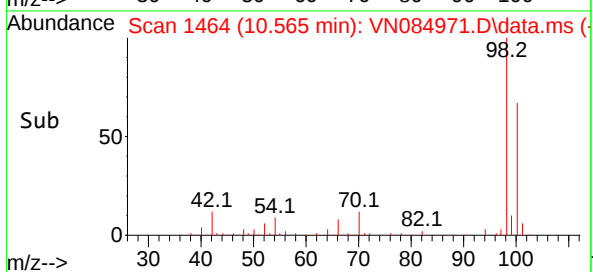
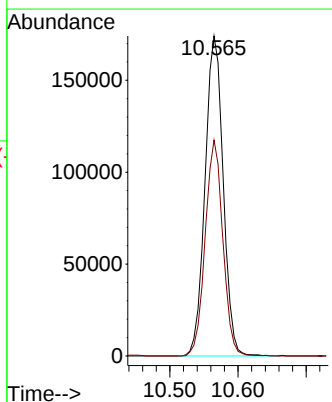
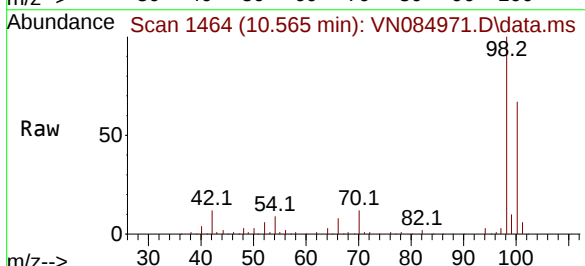
Acq: 20 Nov 2024 16:09

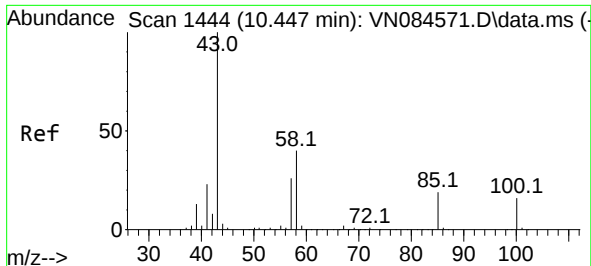
Tgt Ion: 98 Resp: 322225

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1

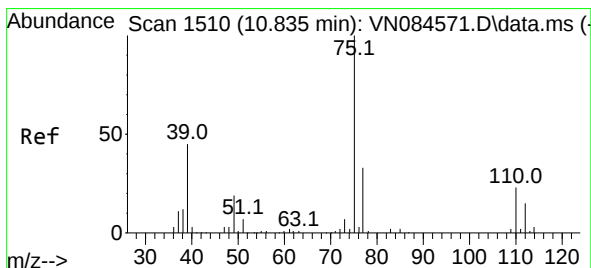
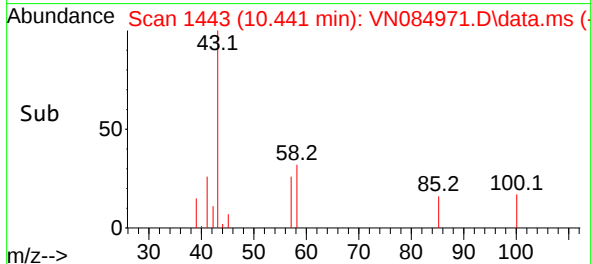
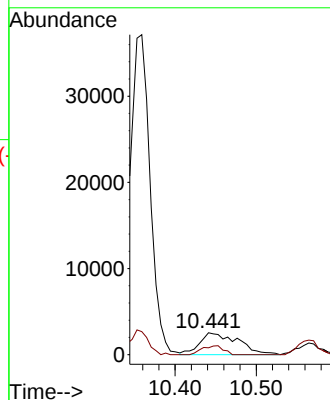
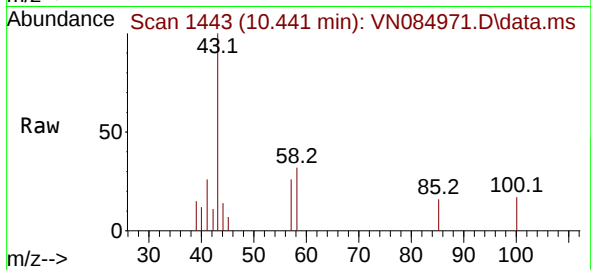




#51  
4-Methyl-2-Pentanone  
Concen: 3.804 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

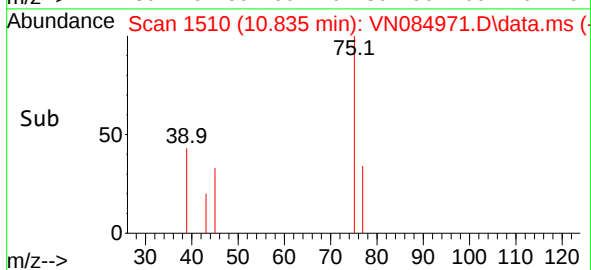
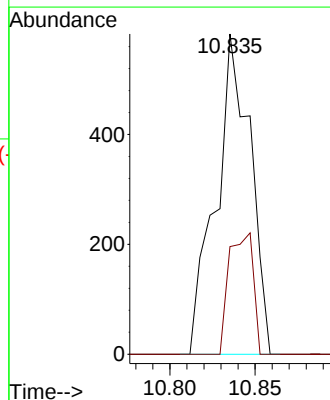
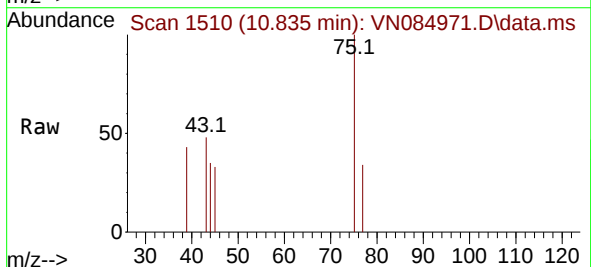
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

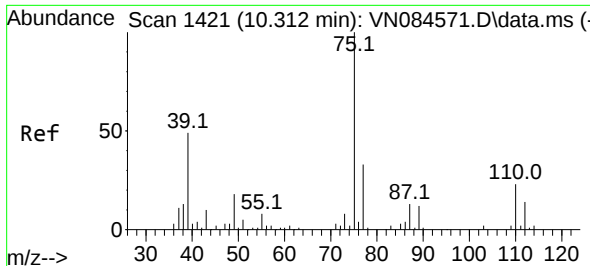
Tgt Ion: 43 Resp: 8448  
Ion Ratio Lower Upper  
43 100  
58 22.5 31.6 47.4#



#53  
t-1,3-Dichloropropene  
Concen: 0.275 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. -0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 75 Resp: 819  
Ion Ratio Lower Upper  
75 100  
77 33.6 25.4 38.0

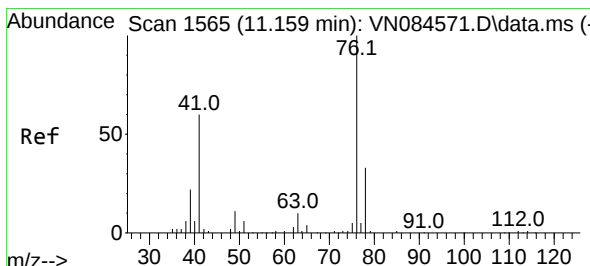
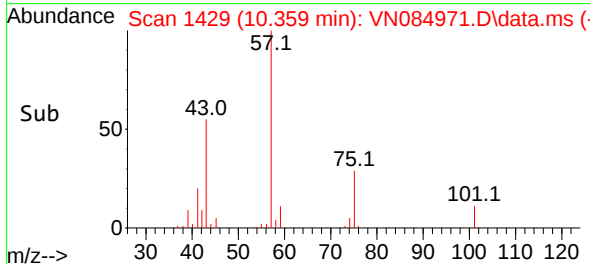
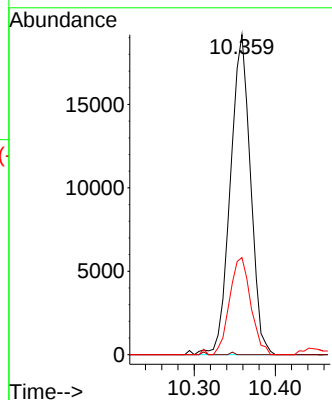
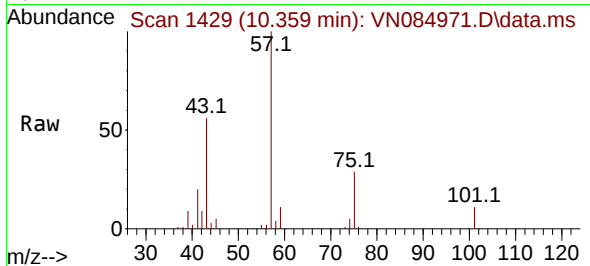




#54  
 cis-1,3-Dichloropropene  
 Concen: 10.483 ug/l  
 RT: 10.359 min Scan# 1429  
 Delta R.T. 0.047 min  
 Lab File: VN084971.D  
 Acq: 20 Nov 2024 16:09

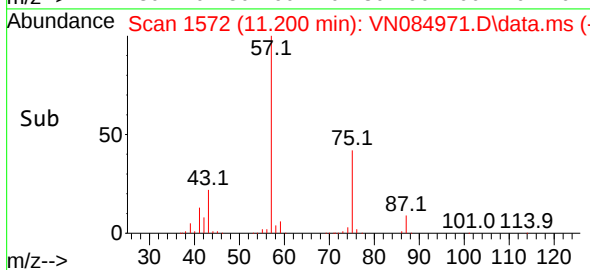
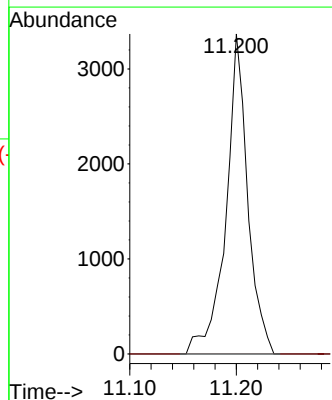
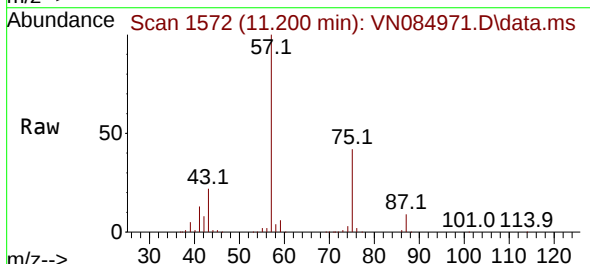
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-763

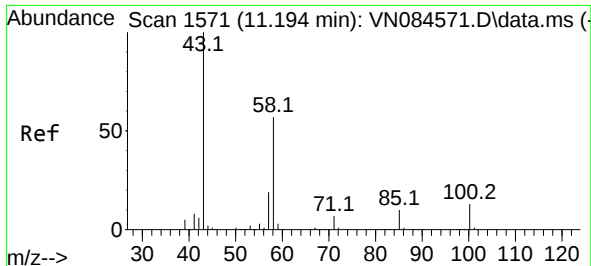
Tgt Ion: 75 Resp: 33042  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 24.2 36.2#  
 39 30.3 38.7 58.1#



#57  
 1,3-Dichloropropane  
 Concen: 1.527 ug/l  
 RT: 11.200 min Scan# 1572  
 Delta R.T. 0.041 min  
 Lab File: VN084971.D  
 Acq: 20 Nov 2024 16:09

Tgt Ion: 76 Resp: 4759  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.8 38.6#

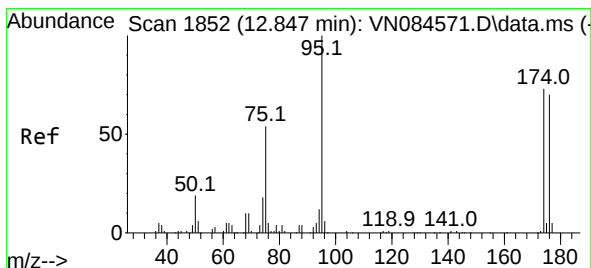
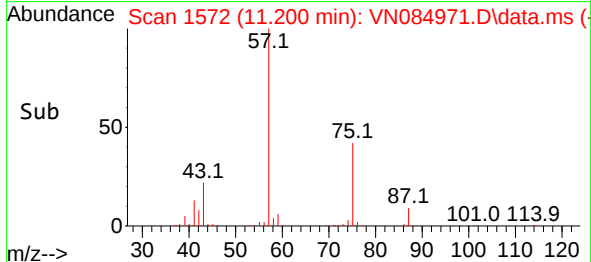
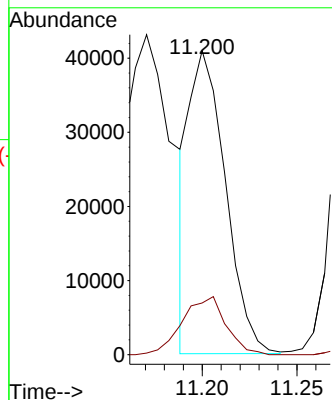
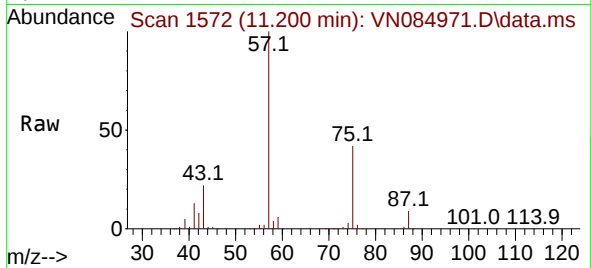




#59  
2-Hexanone  
Concen: 33.830 ug/l  
RT: 11.200 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

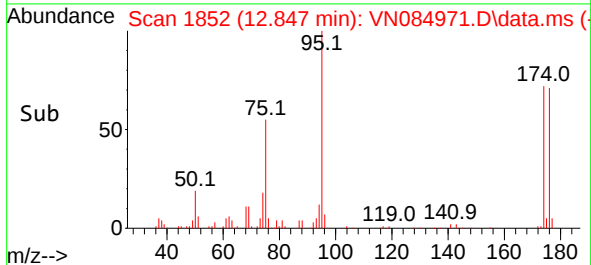
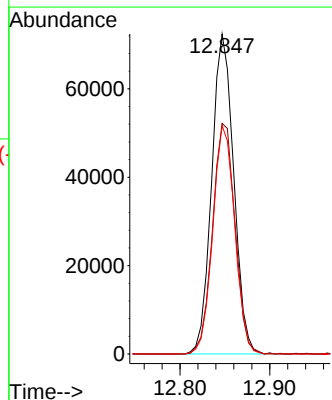
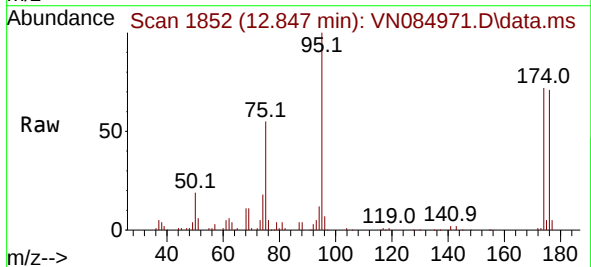
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

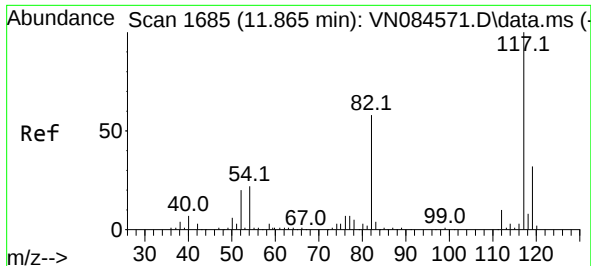
Tgt Ion: 43 Resp: 54683  
Ion Ratio Lower Upper  
43 100  
58 23.0 27.3 81.8#



#62  
4-Bromofluorobenzene  
Concen: 48.372 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 95 Resp: 123285  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 145.2  
176 71.2 0.0 140.0

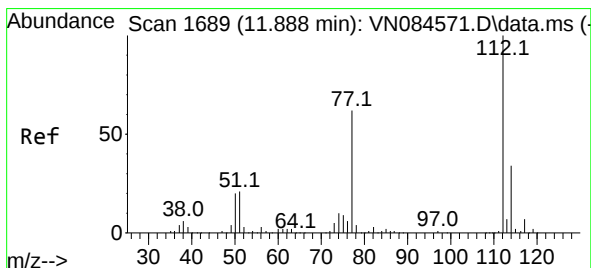
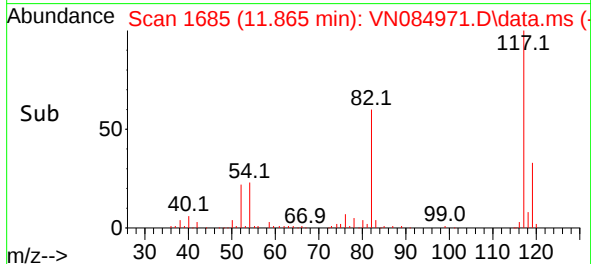
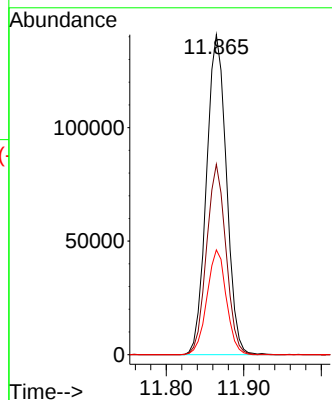
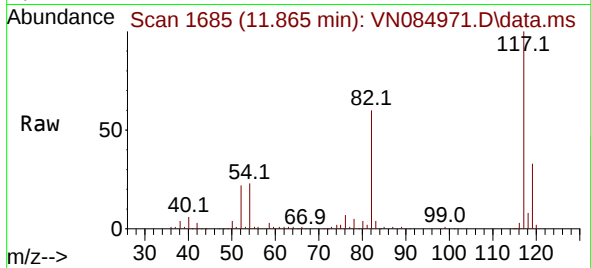




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

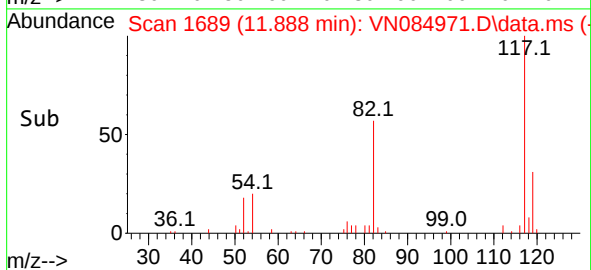
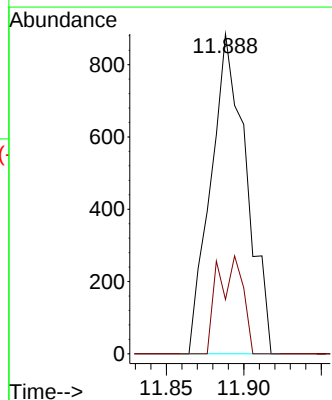
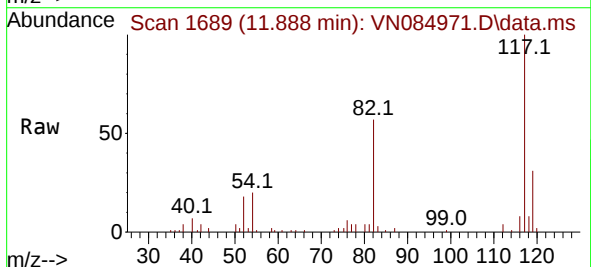
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

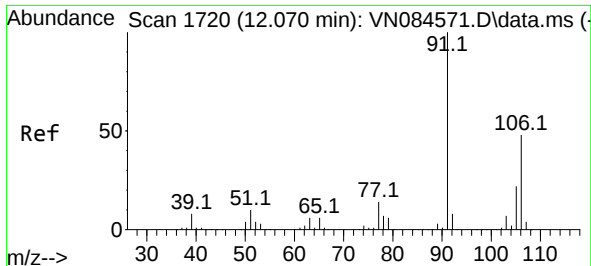
Tgt Ion:117 Resp: 251646  
Ion Ratio Lower Upper  
117 100  
82 59.5 47.2 70.8  
119 32.7 25.4 38.0



#65  
Chlorobenzene  
Concen: 0.250 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion:112 Resp: 1406  
Ion Ratio Lower Upper  
112 100  
114 16.9 27.0 40.6#

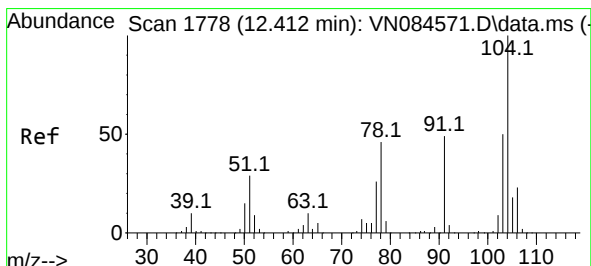
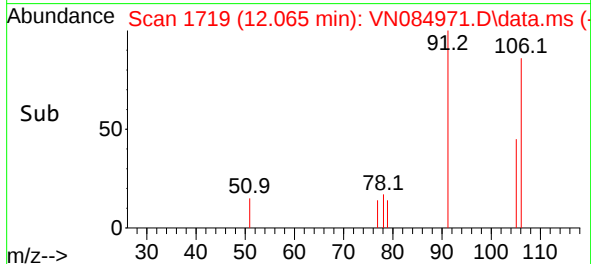
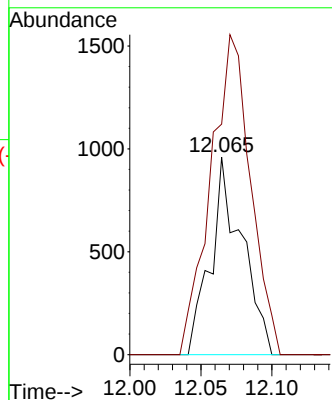
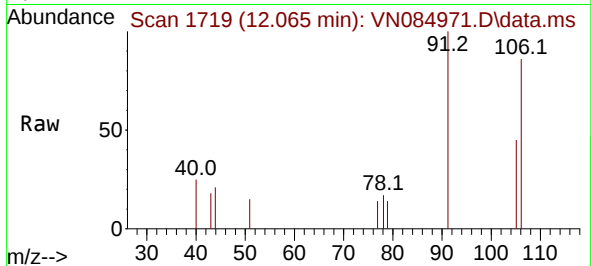




#68  
m/p-Xylenes  
Concen: 0.414 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

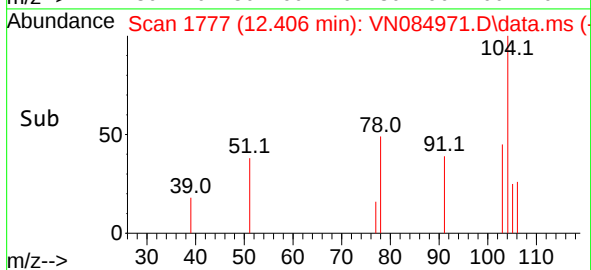
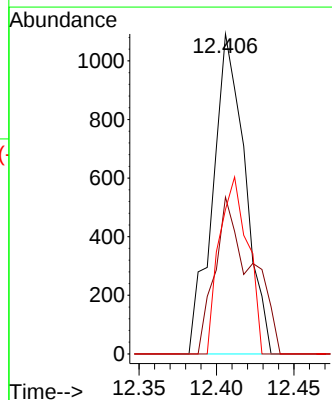
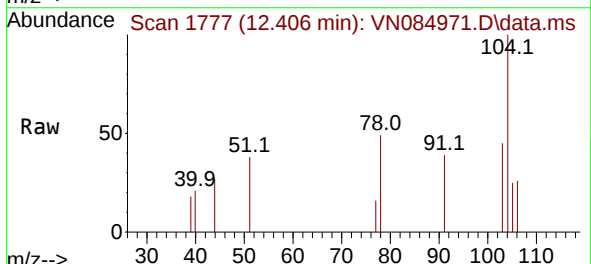
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

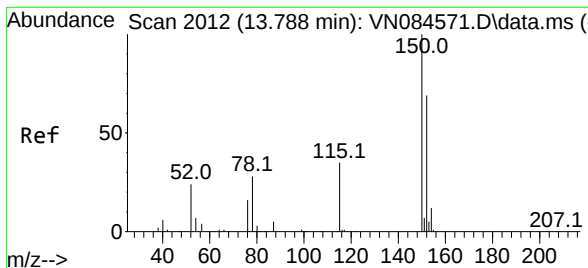
Tgt Ion:106 Resp: 1474  
Ion Ratio Lower Upper  
106 100  
91 205.8 167.1 250.7



#70  
Styrene  
Concen: 0.273 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion:104 Resp: 1587  
Ion Ratio Lower Upper  
104 100  
78 54.8 42.7 64.1  
103 48.8 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: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

MH-763

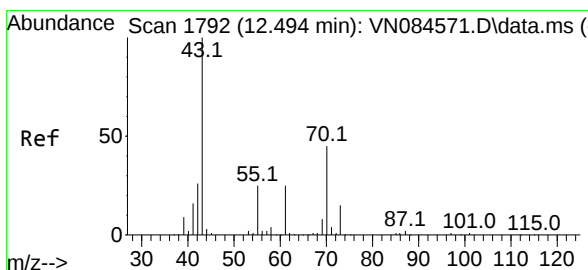
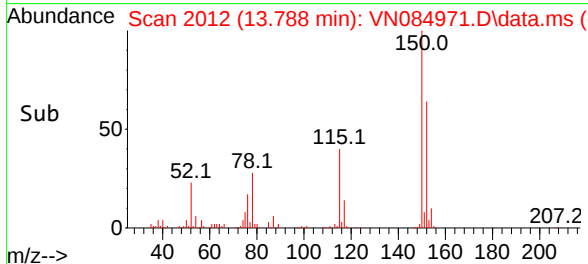
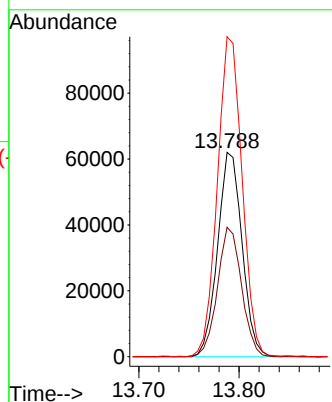
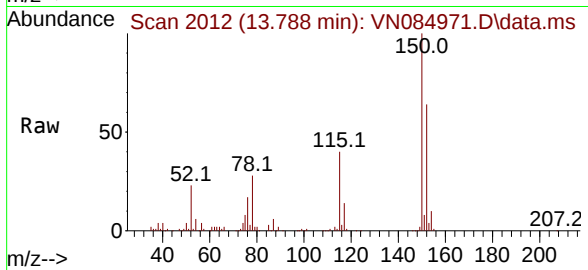
Tgt Ion:152 Resp: 105018

Ion Ratio Lower Upper

152 100

115 62.1 31.3 93.9

150 158.5 0.0 349.8



#74

N-ethyl acetate

Concen: 0.332 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Tgt Ion: 43 Resp: 1041

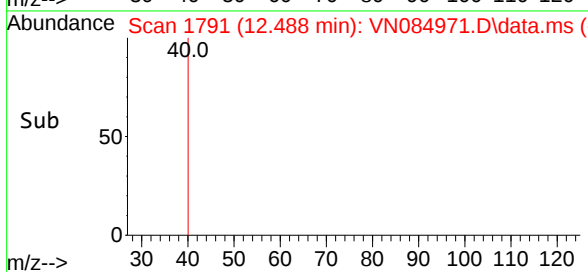
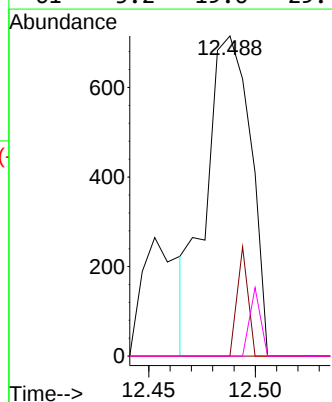
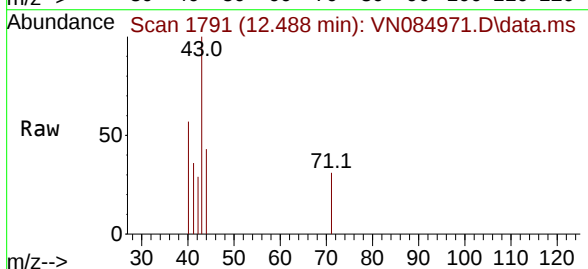
Ion Ratio Lower Upper

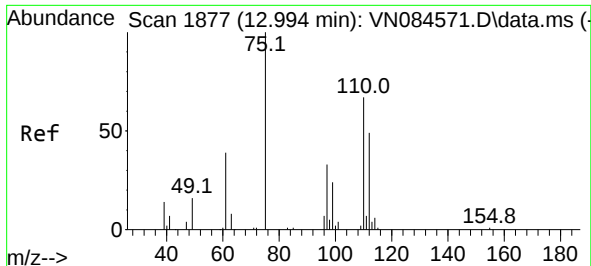
43 100

70 8.3 34.4 51.6#

55 0.0 19.6 29.4#

61 5.2 19.6 29.4#

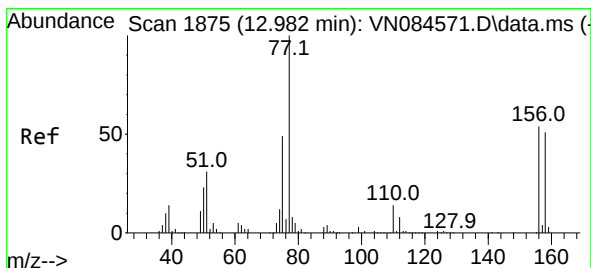
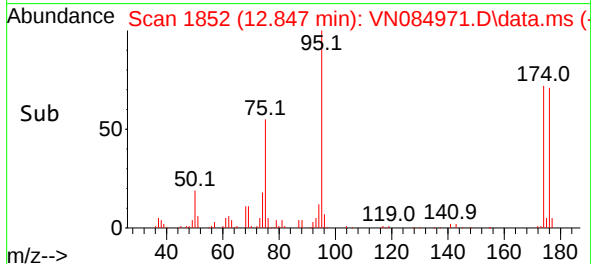
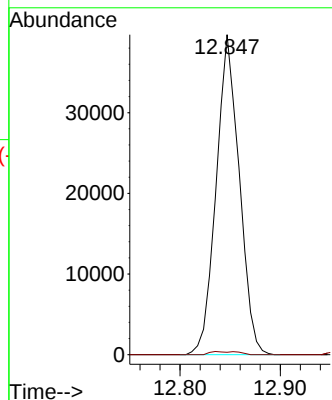
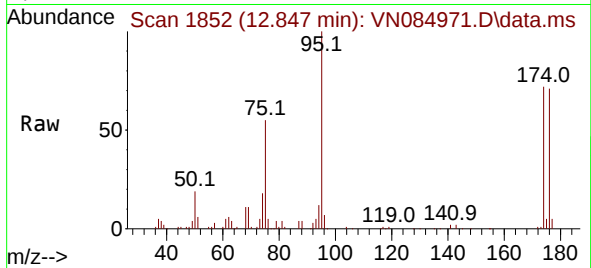




#76  
1,2,3-Trichloropropane  
Concen: 30.222 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

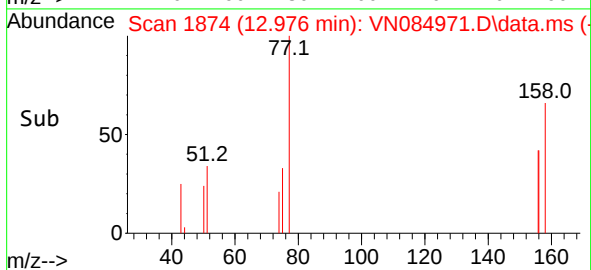
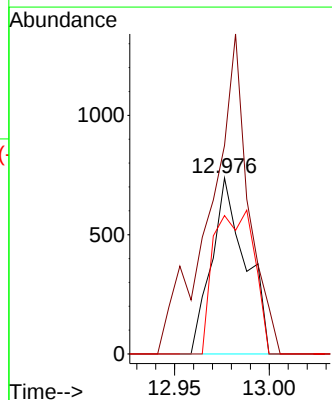
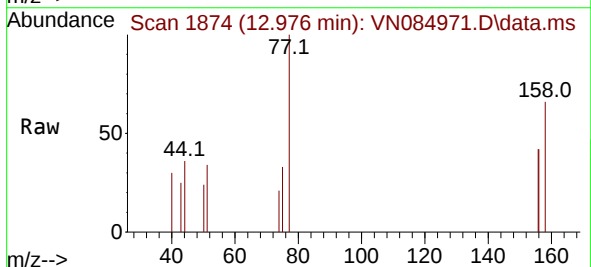
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

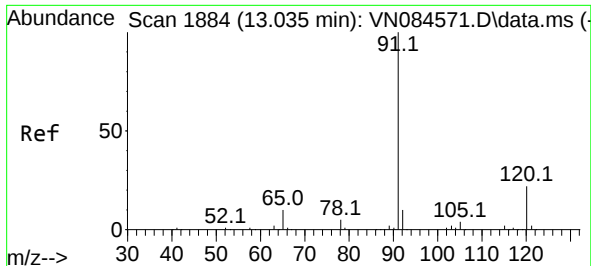
Tgt Ion: 75 Resp: 63443  
Ion Ratio Lower Upper  
75 100  
77 1.2 96.9 290.7#



#77  
Bromobenzene  
Concen: 0.466 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion:156 Resp: 921  
Ion Ratio Lower Upper  
156 100  
77 205.3 115.1 345.3  
158 97.0 48.9 146.8

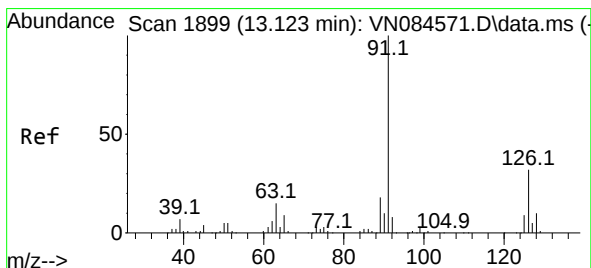
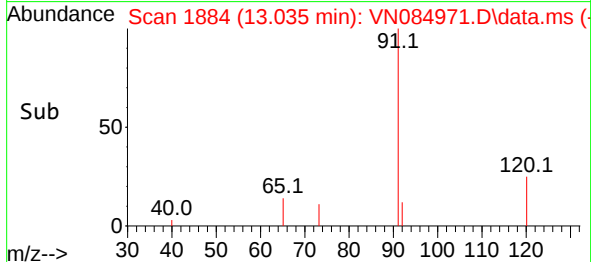
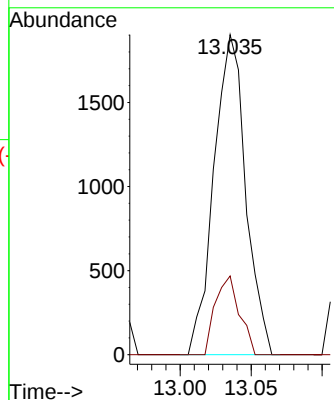
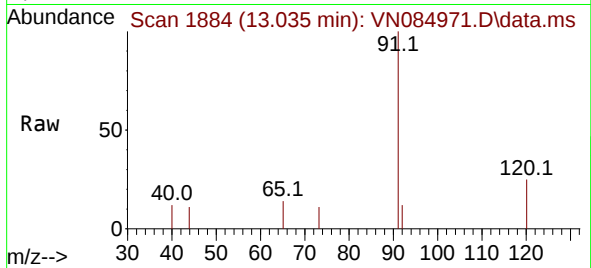




#78  
n-propylbenzene  
Concen: 0.343 ug/l  
RT: 13.035 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

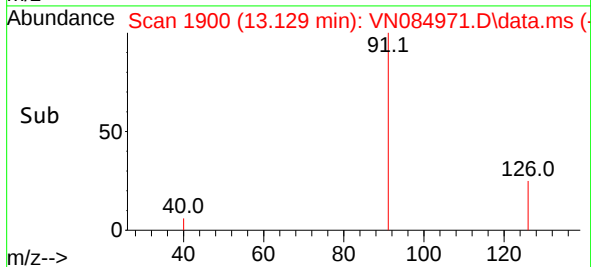
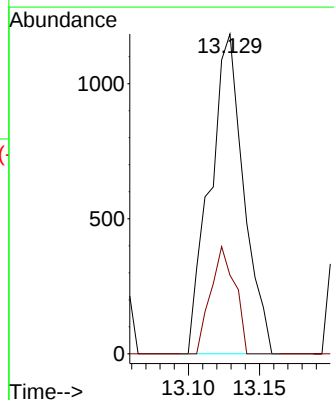
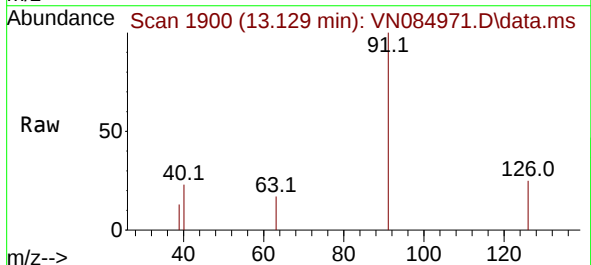
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

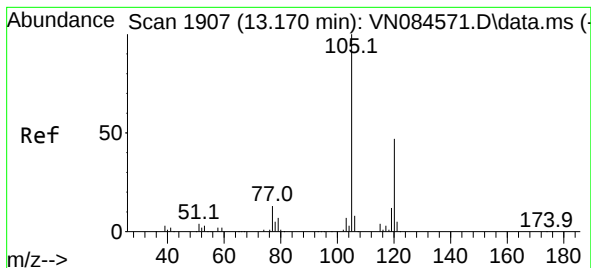
Tgt Ion: 91 Resp: 2962  
Ion Ratio Lower Upper  
91 100  
120 18.6 10.8 32.4



#79  
2-Chlorotoluene  
Concen: 0.347 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 91 Resp: 1956  
Ion Ratio Lower Upper  
91 100  
126 24.2 15.7 47.1





#80

1,3,5-Trimethylbenzene

Concen: 0.266 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

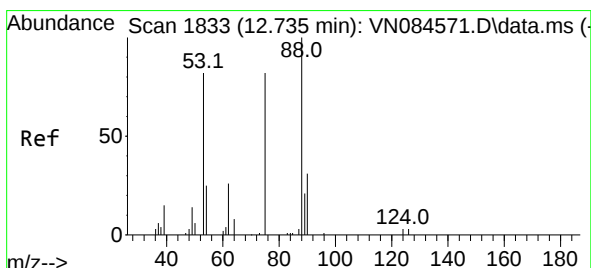
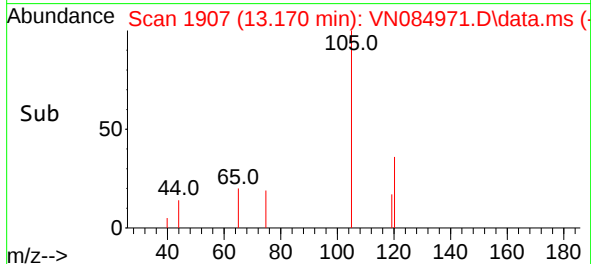
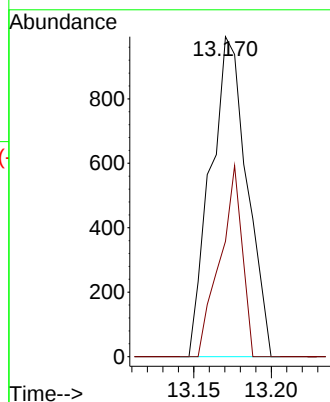
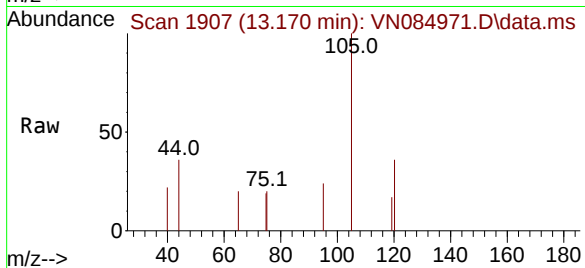
MH-763

Tgt Ion:105 Resp: 1621

Ion Ratio Lower Upper

105 100

120 36.3 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 71.698 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

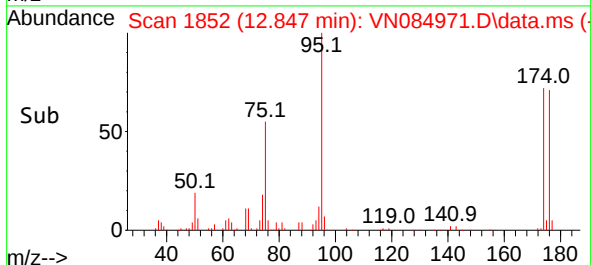
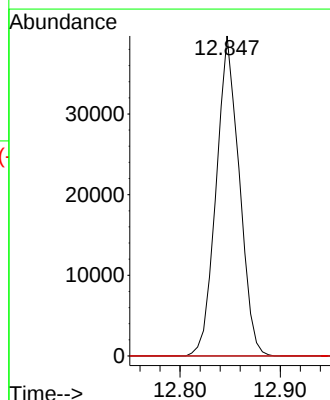
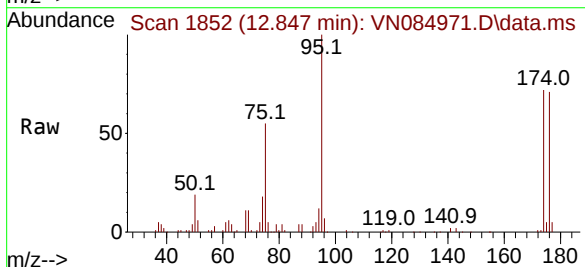
Tgt Ion: 75 Resp: 63443

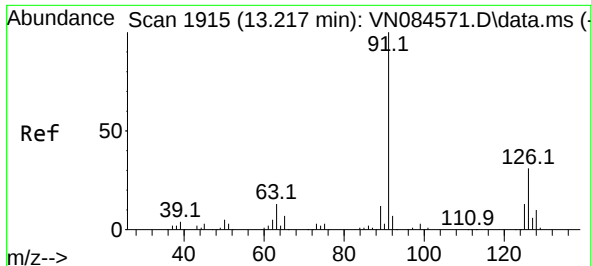
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#

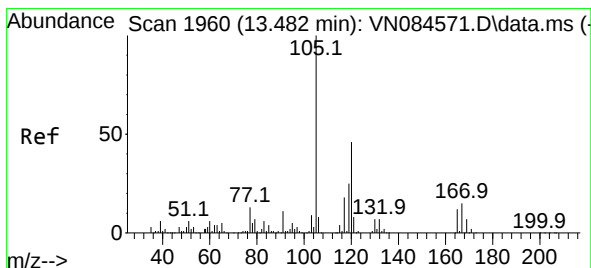
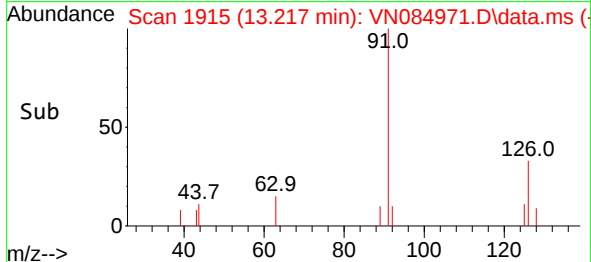
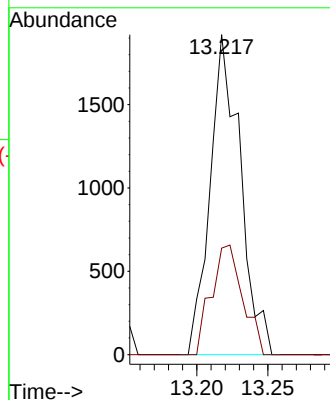
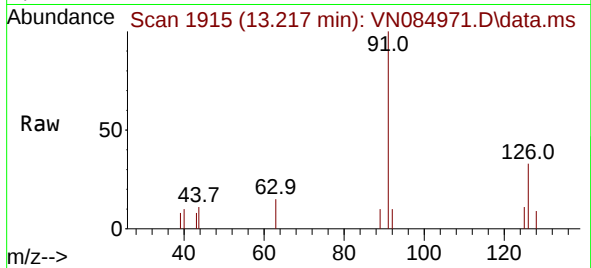




#82  
4-Chlorotoluene  
Concen: 0.479 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

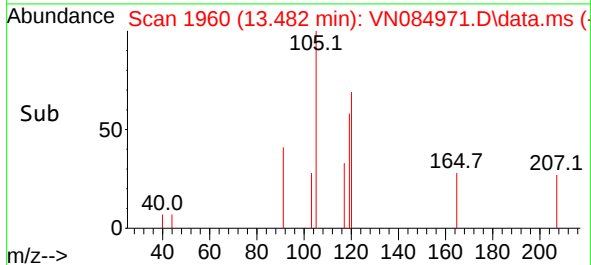
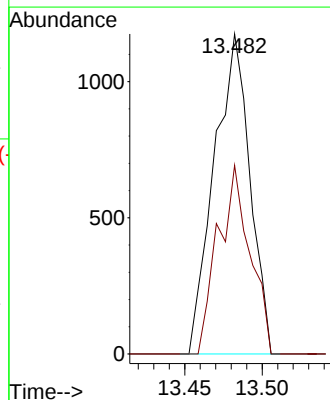
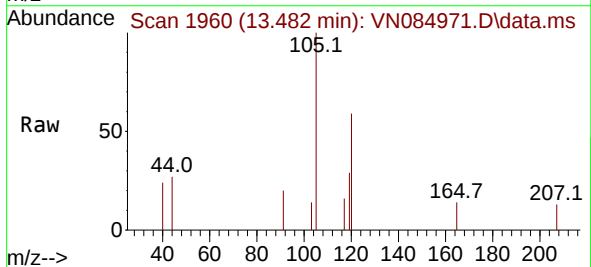
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

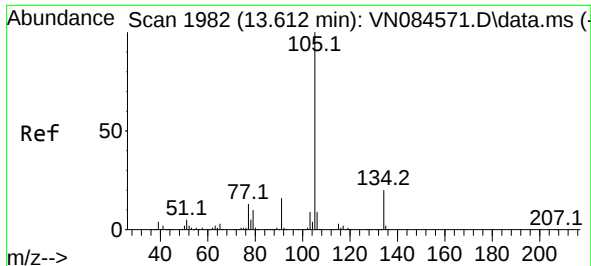
Tgt Ion: 91 Resp: 2843  
Ion Ratio Lower Upper  
91 100  
126 35.5 15.7 47.1



#84  
1,2,4-Trimethylbenzene  
Concen: 0.298 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

Tgt Ion: 105 Resp: 1878  
Ion Ratio Lower Upper  
105 100  
120 52.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 0.279 ug/l

RT: 13.617 min Scan# 1989

Delta R.T. -0.000 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

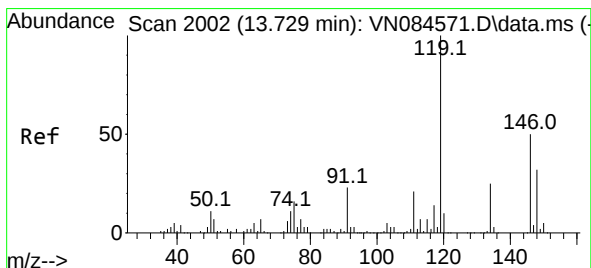
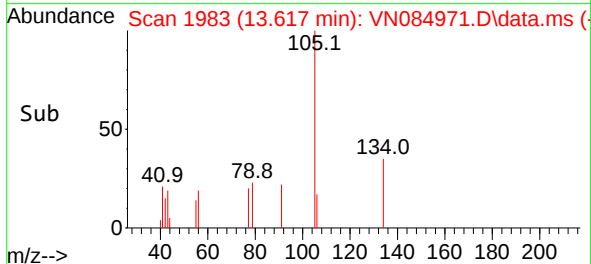
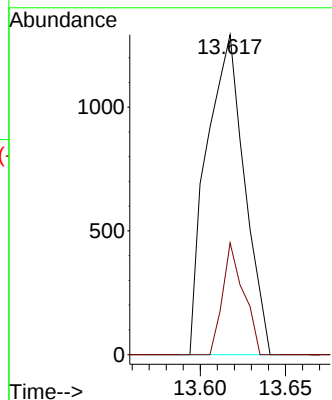
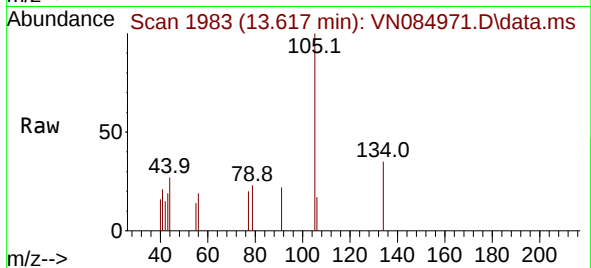
MH-763

Tgt Ion:105 Resp: 1989

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4



#86

p-Isopropyltoluene

Concen: 0.267 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

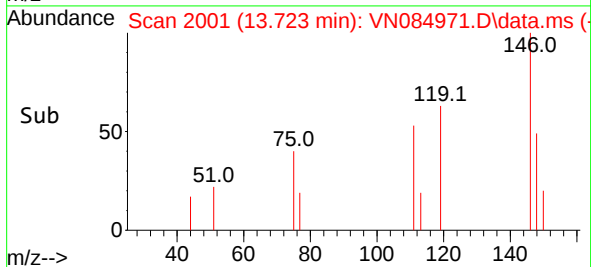
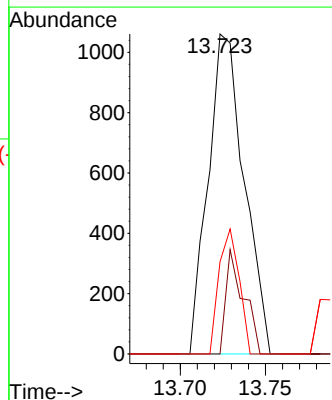
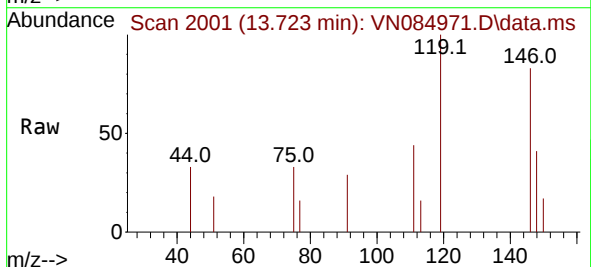
Tgt Ion:119 Resp: 1561

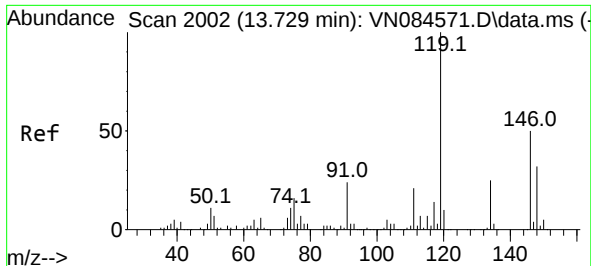
Ion Ratio Lower Upper

119 100

134 16.0 12.6 37.8

91 21.7 12.4 37.2

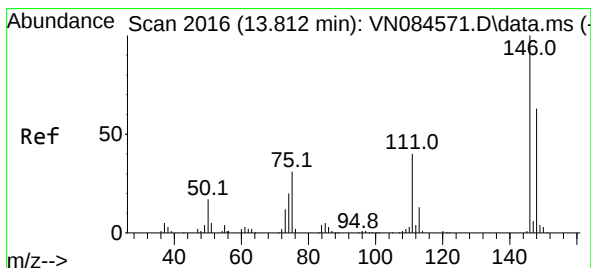
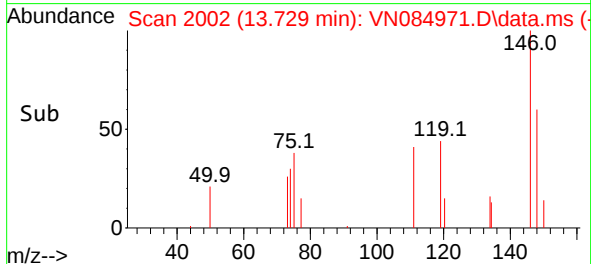
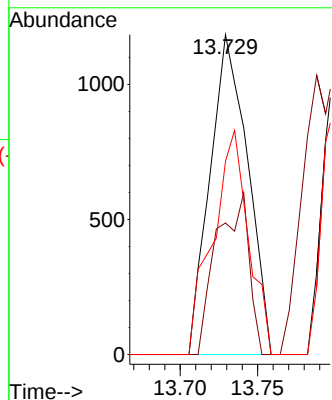
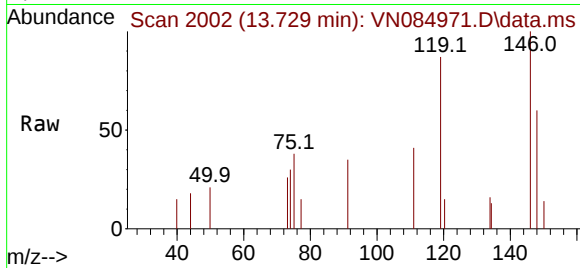




#87  
 1,3-Dichlorobenzene  
 Concen: 0.518 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084971.D  
 Acq: 20 Nov 2024 16:09

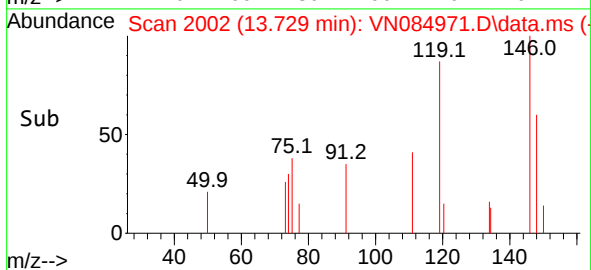
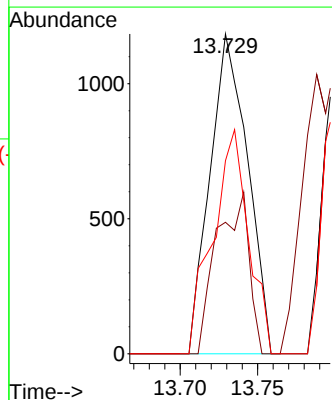
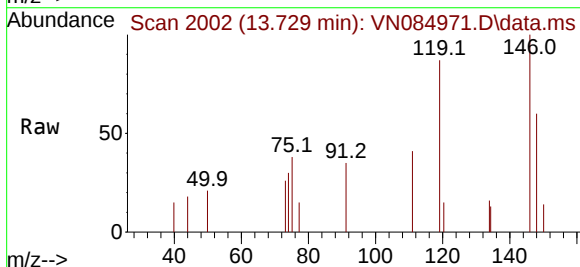
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-763

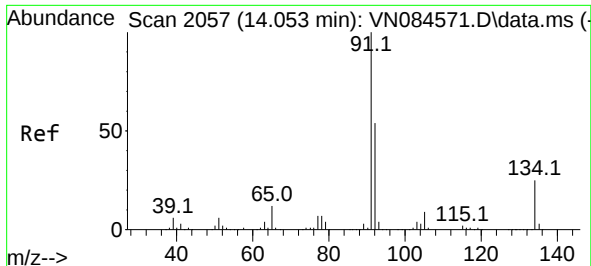
Tgt Ion:146 Resp: 2000  
 Ion Ratio Lower Upper  
 146 100  
 111 43.4 21.8 65.3  
 148 66.7 31.9 95.7



#88  
 1,4-Dichlorobenzene  
 Concen: Below Cal  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.083 min  
 Lab File: VN084971.D  
 Acq: 20 Nov 2024 16:09

Tgt Ion:146 Resp: 2000  
 Ion Ratio Lower Upper  
 146 100  
 111 43.4 21.2 63.6  
 148 66.7 31.9 95.9

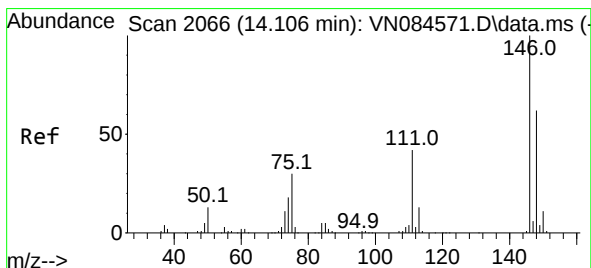
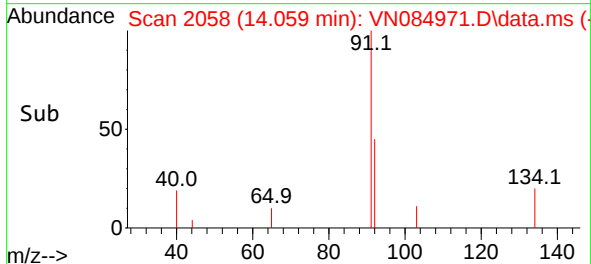
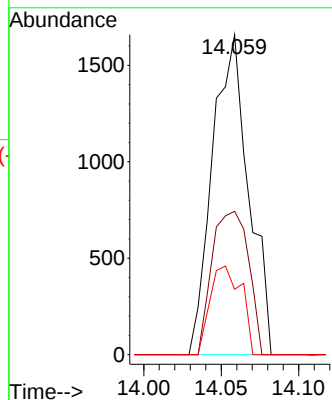
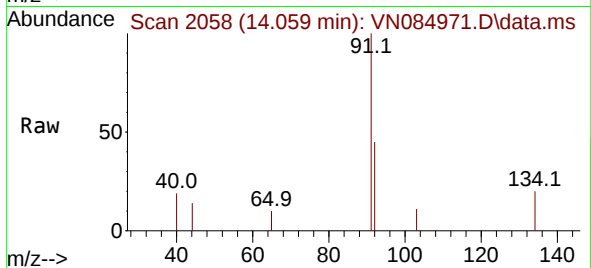




#89  
n-Butylbenzene  
Concen: 0.491 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

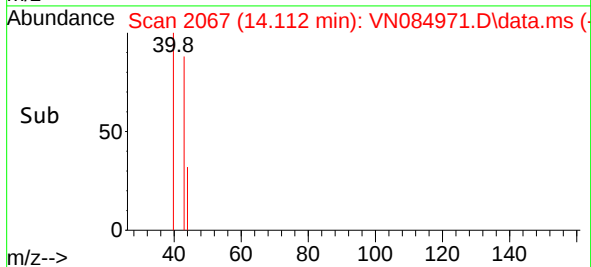
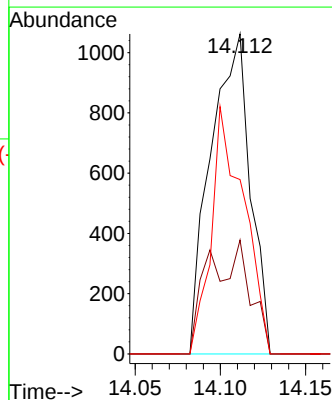
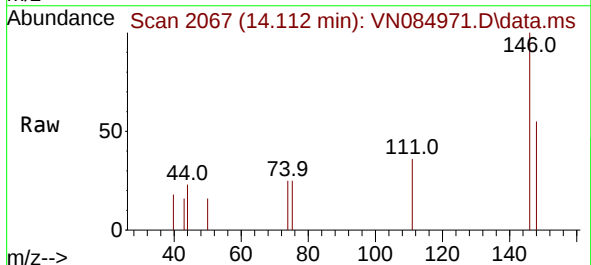
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-763

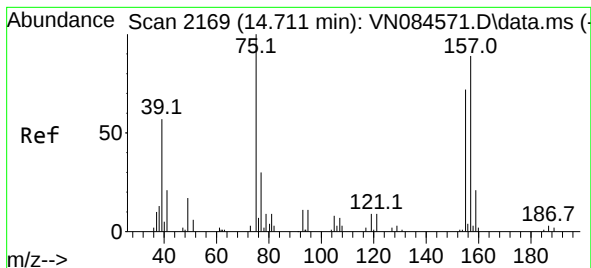
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 2686  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 45.3  | 26.6  | 79.7  |
| 134      | 23.9  | 12.3  | 36.9  |



#91  
1,2-Dichlorobenzene  
Concen: 0.461 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.006 min  
Lab File: VN084971.D  
Acq: 20 Nov 2024 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 1711  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 22.3  | 22.0  | 66.0  |
| 148      | 63.8  | 32.1  | 96.3  |

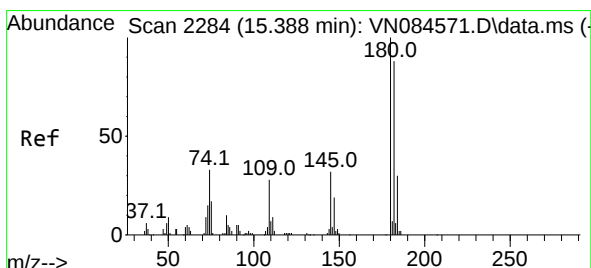
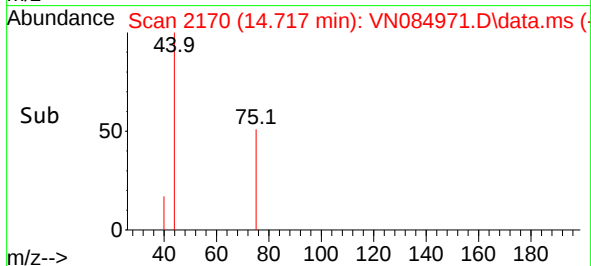
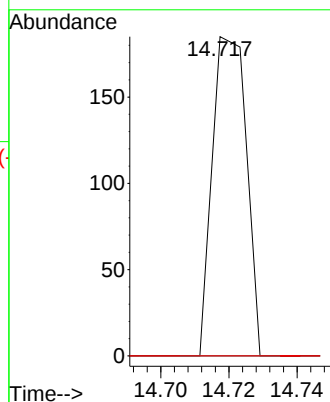
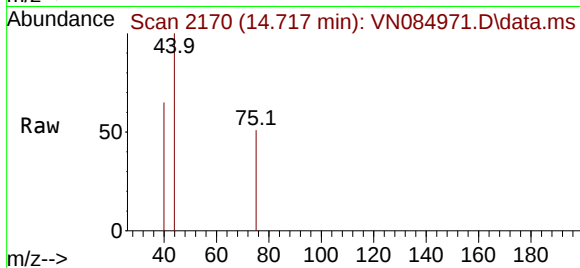




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.257 ug/l  
 RT: 14.717 min Scan# 2169  
 Delta R.T. -0.000 min  
 Lab File: VN084971.D  
 Acq: 20 Nov 2024 16:09

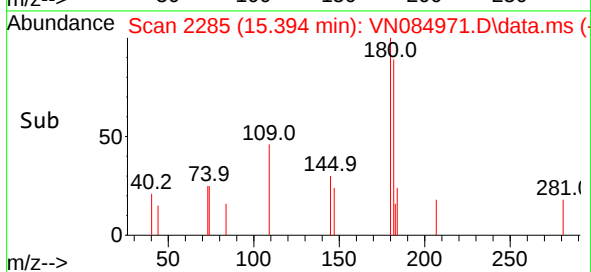
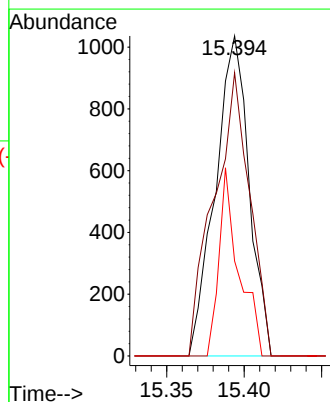
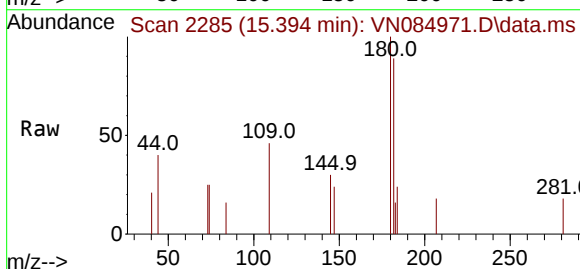
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-763

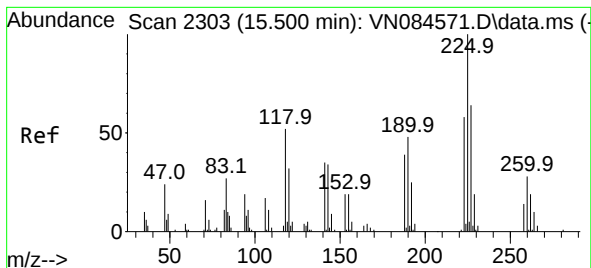
Tgt Ion: 75 Resp: 128  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 38.1 114.5#  
 157 0.0 49.6 149.0#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.771 ug/l  
 RT: 15.394 min Scan# 2285  
 Delta R.T. 0.006 min  
 Lab File: VN084971.D  
 Acq: 20 Nov 2024 16:09

Tgt Ion: 180 Resp: 1566  
 Ion Ratio Lower Upper  
 180 100  
 182 94.1 47.0 141.0  
 145 34.5 16.4 49.4





#94

Hexachlorobutadiene

Concen: 0.478 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

Instrument :

MSVOA\_N

ClientSampleId :

MH-763

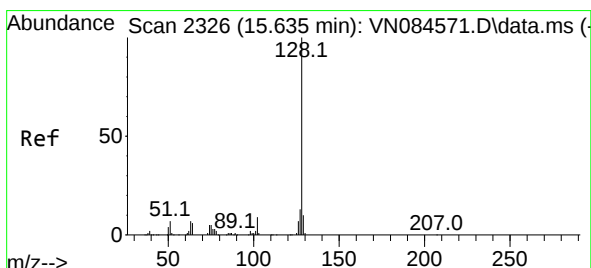
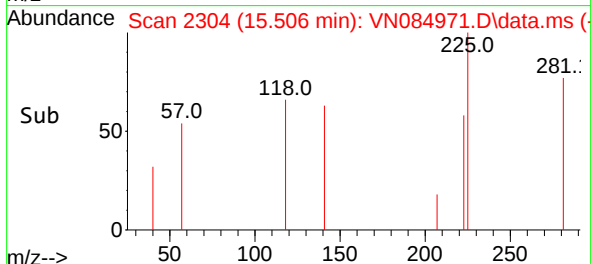
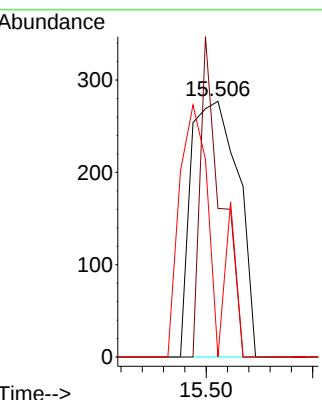
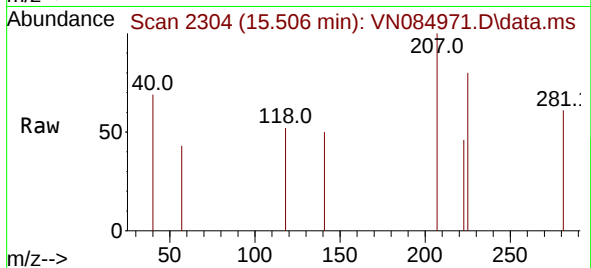
Tgt Ion:225 Resp: 426

Ion Ratio Lower Upper

225 100

223 55.4 32.4 97.2

227 70.9 32.4 97.0



#95

Naphthalene

Concen: 0.868 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084971.D

Acq: 20 Nov 2024 16:09

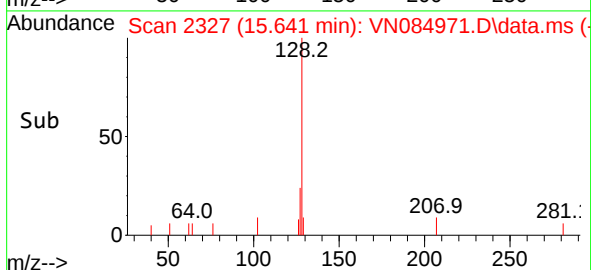
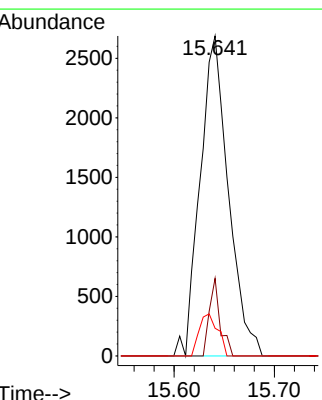
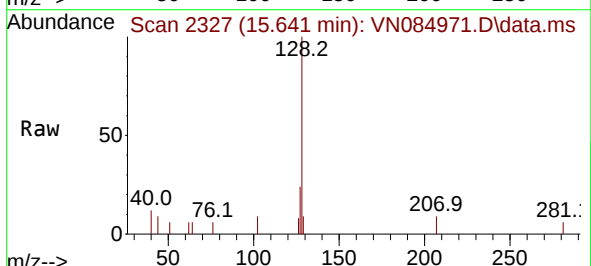
Tgt Ion:128 Resp: 5276

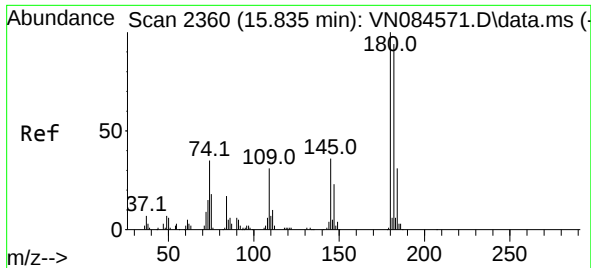
Ion Ratio Lower Upper

128 100

127 9.1 10.5 15.7#

129 8.6 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.759 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN084971.D  
 Acq: 20 Nov 2024 16:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-763

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 1497        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 102.7 | 48.2 144.6  |
| 145         | 37.3  | 17.3 51.9   |

