

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103024\  
 Data File : VN084580.D  
 Acq On : 30 Oct 2024 20:48  
 Operator : JC\MD  
 Sample : VN1030MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 01 04:54:20 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  | 161813   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 284779   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 244532   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 102755   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65    | 119388   | 51.083   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.160% |      |
| 35) Dibromofluoromethane    | 8.159  | 113   | 96319    | 49.968   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 99.940%  |      |
| 50) Toluene-d8              | 10.565 | 98    | 331250   | 46.650   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 93.300%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 120449   | 45.388   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 90.780%  |      |

|                               |        |     |       |               |     |  |
|-------------------------------|--------|-----|-------|---------------|-----|--|
| Target Compounds              |        |     |       | Qvalue        |     |  |
| 3) Chloromethane              | 2.365  | 50  | 2153  | Below Cal     | 99  |  |
| 5) Bromomethane               | 2.901  | 94  | 417   | 0.393 ug/l #  | 67  |  |
| 6) Chloroethane               | 3.142  | 64  | 430   | Below Cal #   | 45  |  |
| 10) Methyl Iodide             | 4.565  | 142 | 596   | 0.239 ug/l #  | 40  |  |
| 11) Tert butyl alcohol        | 5.524  | 59  | 1156  | 3.747 ug/l #  | 73  |  |
| 13) Acrolein                  | 4.171  | 56  | 62    | 0.202 ug/l #  | 14  |  |
| 15) Acrylonitrile             | 5.718  | 53  | 416   | 0.466 ug/l #  | 82  |  |
| 16) Acetone                   | 4.436  | 43  | 717   | Below Cal     | 93  |  |
| 17) Carbon Disulfide          | 4.700  | 76  | 3404  | 0.600 ug/l #  | 75  |  |
| 18) Methyl Acetate            | 5.036  | 43  | 3657  | Below Cal #   | 89  |  |
| 31) Cyclohexane               | 8.218  | 56  | 3697  | 1.146 ug/l #  | 1   |  |
| 36) 1,1-Dichloropropene       | 8.218  | 75  | 13519 | 5.057 ug/l #  | 50  |  |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 17720 | 5.930 ug/l #  | 17  |  |
| 43) Isopropyl Acetate         | 8.671  | 43  | 627   | Below Cal #   | 56  |  |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43  | 478   | 0.207 ug/l #  | 36  |  |
| 53) t-1,3-Dichloropropene     | 10.835 | 75  | 1039  | 0.335 ug/l    | 89  |  |
| 58) 2-Chloroethyl Vinyl ether | 10.153 | 63  | 580   | 0.453 ug/l #  | 48  |  |
| 59) 2-Hexanone                | 11.194 | 43  | 1209  | 0.718 ug/l    | 79  |  |
| 65) Chlorobenzene             | 11.888 | 112 | 2005  | 0.367 ug/l #  | 85  |  |
| 67) Ethyl Benzene             | 11.965 | 91  | 1846  | 0.202 ug/l    | 100 |  |
| 68) m/p-Xylenes               | 12.065 | 106 | 1424  | 0.412 ug/l    | 95  |  |
| 70) Styrene                   | 12.418 | 104 | 1977  | 0.350 ug/l #  | 84  |  |
| 74) N-amyl acetate            | 12.494 | 43  | 661   | 0.216 ug/l #  | 49  |  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 62201 | 30.283 ug/l # | 1   |  |
| 77) Bromobenzene              | 12.982 | 156 | 1362  | 0.704 ug/l    | 75  |  |
| 78) n-propylbenzene           | 13.035 | 91  | 3288  | 0.390 ug/l    | 98  |  |
| 79) 2-Chlorotoluene           | 13.123 | 91  | 2109  | 0.383 ug/l    | 98  |  |
| 80) 1,3,5-Trimethylbenzene    | 13.165 | 105 | 1263  | 0.212 ug/l    | 88  |  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 62201 | 71.842 ug/l # | 11  |  |
| 82) 4-Chlorotoluene           | 13.218 | 91  | 3794  | 0.654 ug/l    | 93  |  |
| 83) tert-Butylbenzene         | 13.435 | 119 | 1176  | 0.238 ug/l #  | 80  |  |
| 84) 1,2,4-Trimethylbenzene    | 13.476 | 105 | 1593  | 0.259 ug/l    | 99  |  |
| 85) sec-Butylbenzene          | 13.618 | 105 | 2183  | 0.313 ug/l #  | 75  |  |
| 86) p-Isopropyltoluene        | 13.735 | 119 | 1905  | 0.333 ug/l    | 95  |  |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146 | 3018  | 0.799 ug/l    | 98  |  |
| 89) n-Butylbenzene            | 14.053 | 91  | 3884  | 0.726 ug/l    | 98  |  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103024\  
Data File : VN084580.D  
Acq On : 30 Oct 2024 20:48  
Operator : JC\MD  
Sample : VN1030MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 13 Sample Multiplier: 1

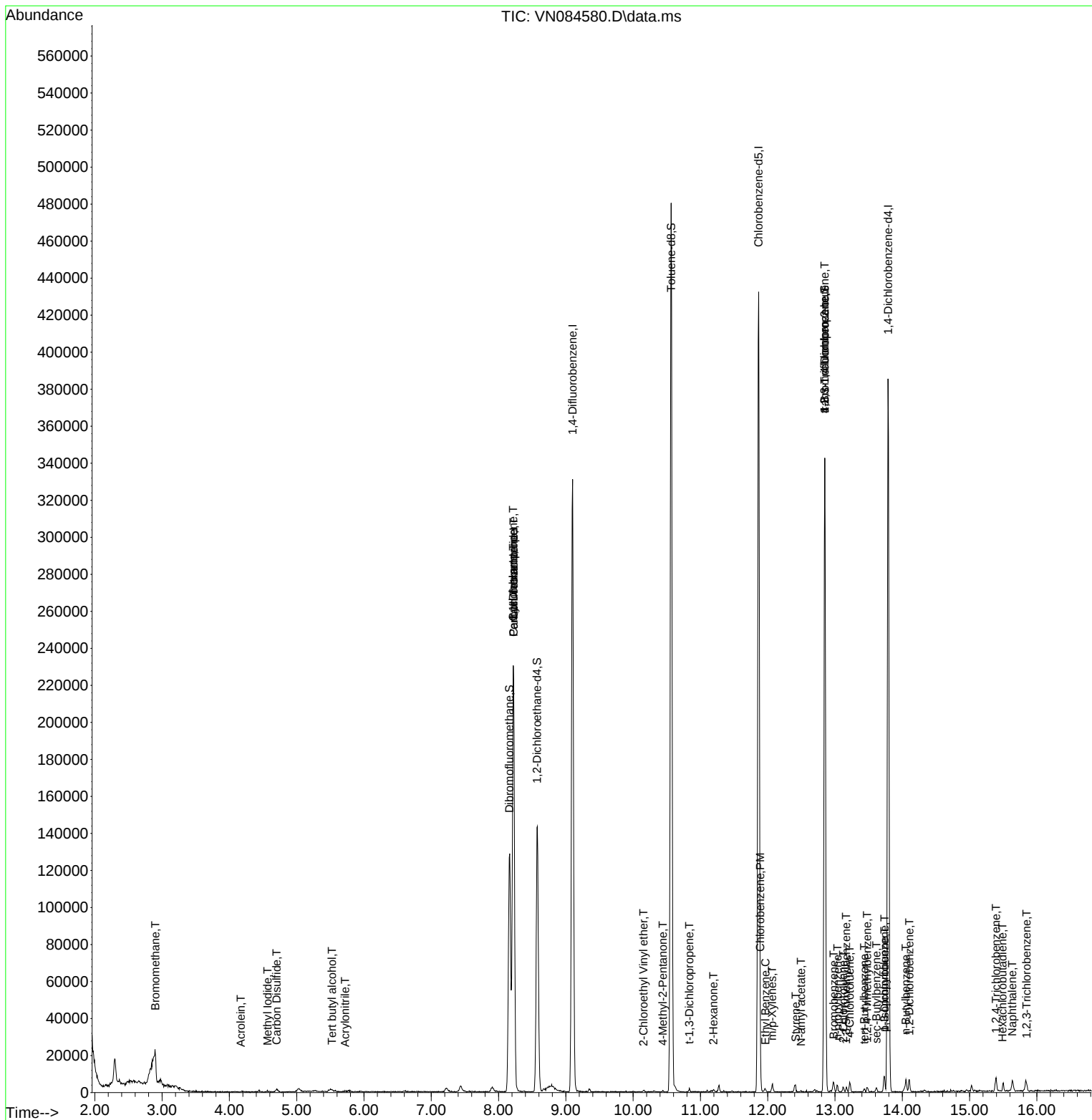
Instrument :  
MSVOA\_N  
ClientSampleId :

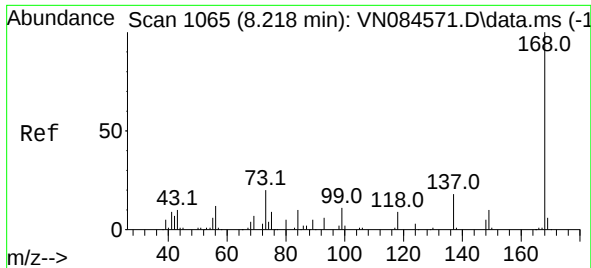
Quant Time: Nov 01 04:54:20 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-------|--------|----------|
| 91) 1,2-Dichlorobenzene    | 14.106 | 146  | 2255     | 0.621 | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene | 15.394 | 180  | 2779     | 1.399 | ug/l   | 97       |
| 94) Hexachlorobutadiene    | 15.488 | 225  | 1078     | 1.235 | ug/l # | 18       |
| 95) Naphthalene            | 15.635 | 128  | 6724     | 1.131 | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.847 | 180  | 2976     | 1.543 | ug/l   | 82       |

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

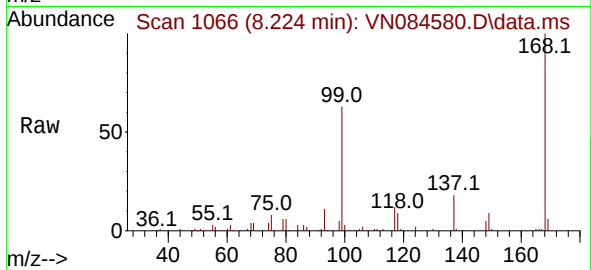
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration



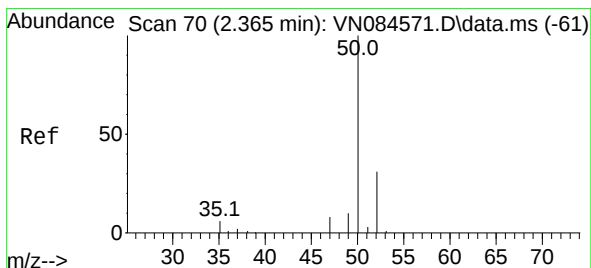
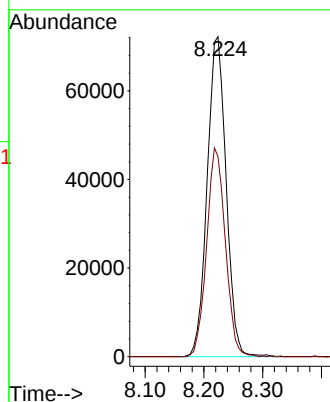
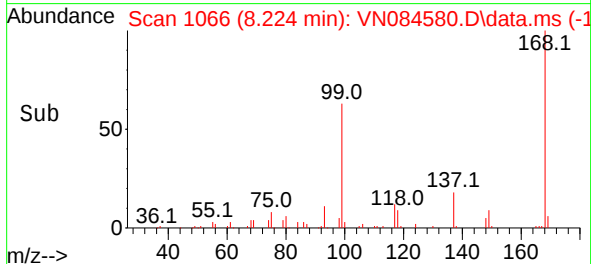


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :

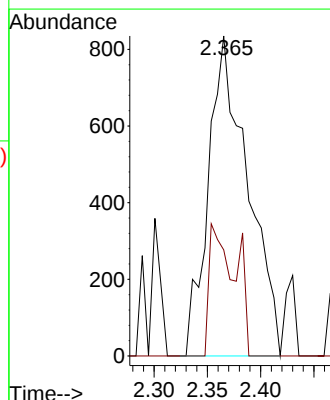
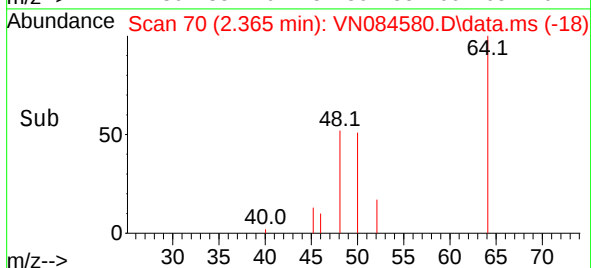
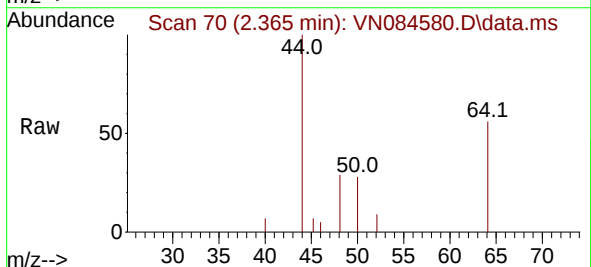


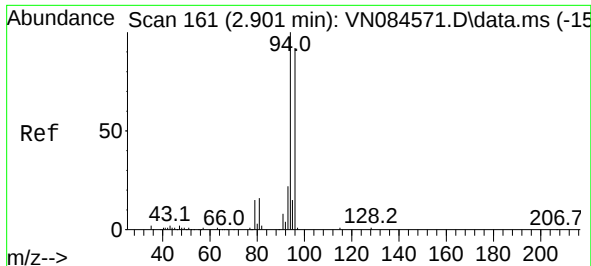
Tgt Ion:168 Resp: 161813  
Ion Ratio Lower Upper  
168 100  
99 62.5 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion: 50 Resp: 2153  
Ion Ratio Lower Upper  
50 100  
52 33.2 26.8 40.2

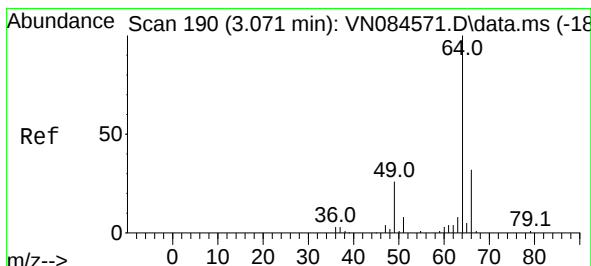
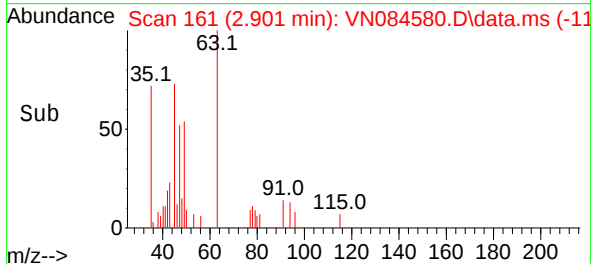
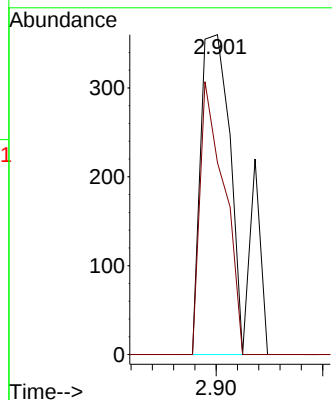
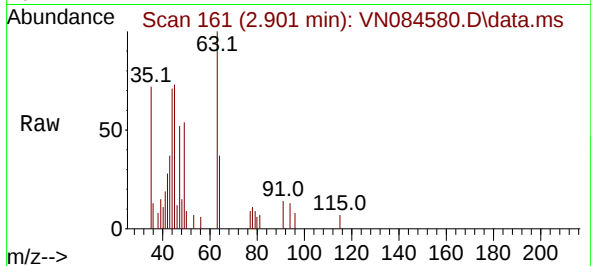




#5  
Bromomethane  
Concen: 0.393 ug/l  
RT: 2.901 min Scan# 11  
Delta R.T. -0.052 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

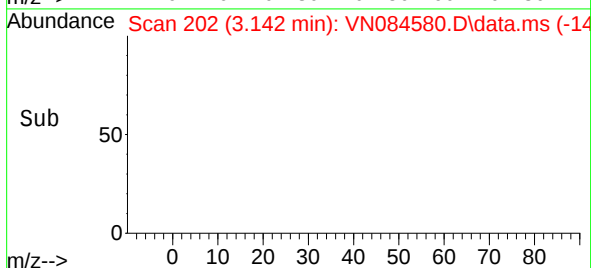
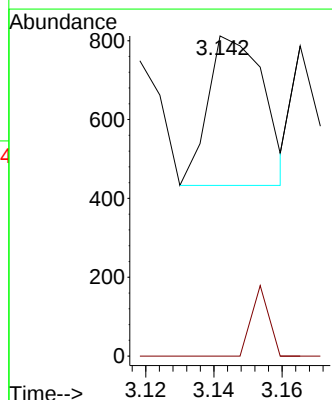
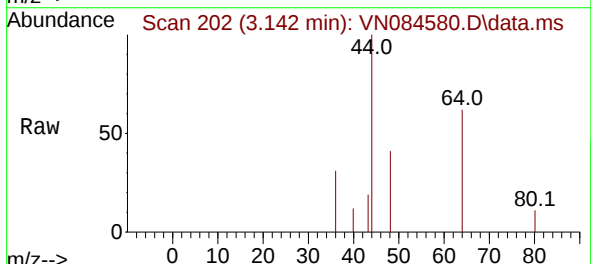
Instrument :  
MSVOA\_N  
ClientSampleId :

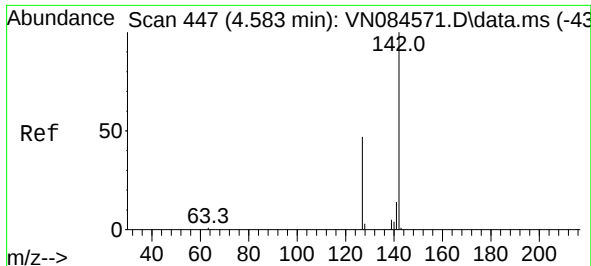
Tgt Ion: 94 Resp: 417  
Ion Ratio Lower Upper  
94 100  
96 60.0 72.9 109.3#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.142 min Scan# 202  
Delta R.T. 0.024 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

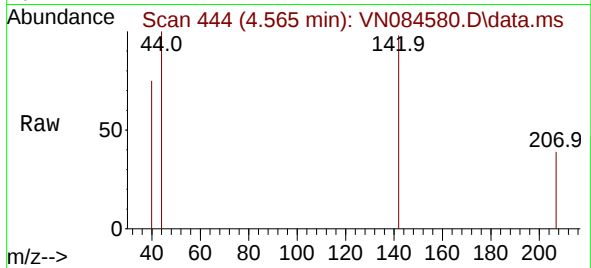
Tgt Ion: 64 Resp: 430  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.5 35.3#



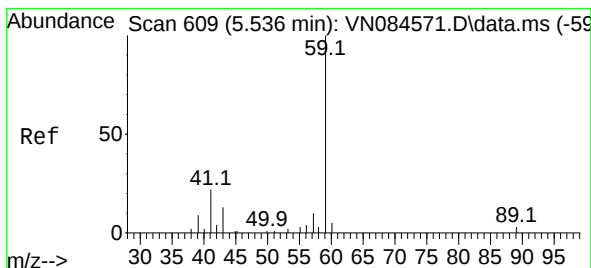
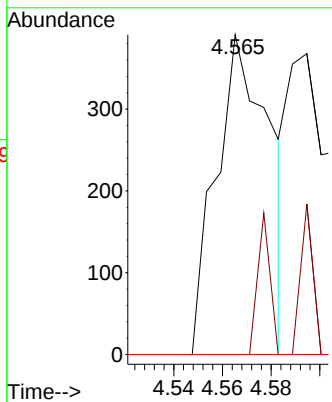
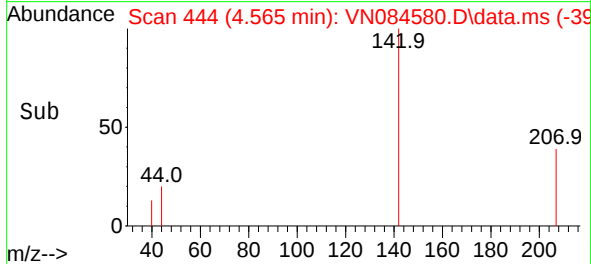


#10  
Methyl Iodide  
Concen: 0.239 ug/l  
RT: 4.565 min Scan# 444  
Delta R.T. -0.029 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :

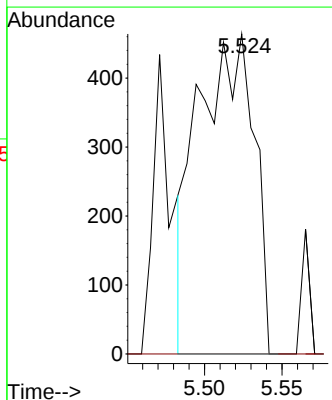
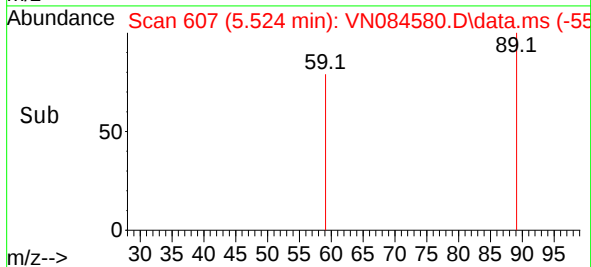
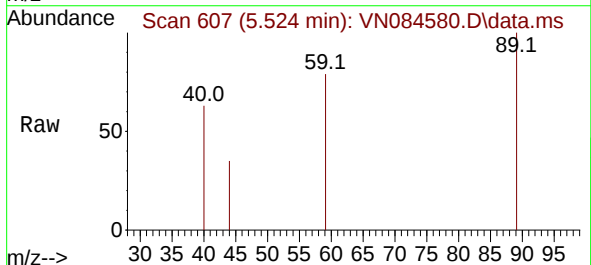


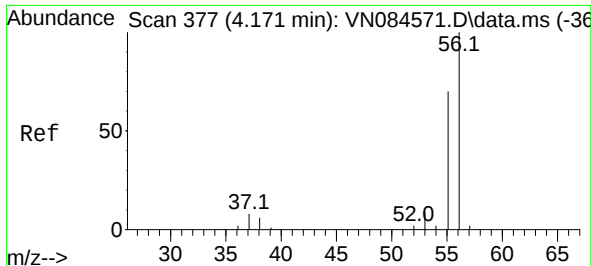
Tgt Ion:142 Resp: 596  
Ion Ratio Lower Upper  
142 100  
127 0.0 35.3 52.9#  
141 0.0 11.0 16.6#



#11  
Tert butyl alcohol  
Concen: 3.747 ug/l  
RT: 5.524 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion: 59 Resp: 1156  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.202 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

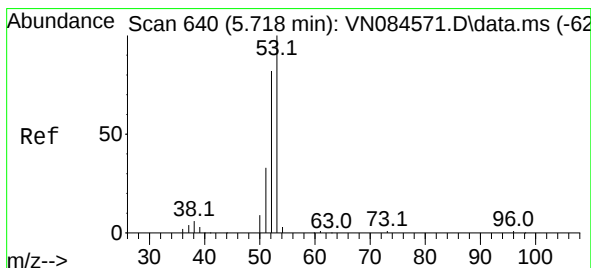
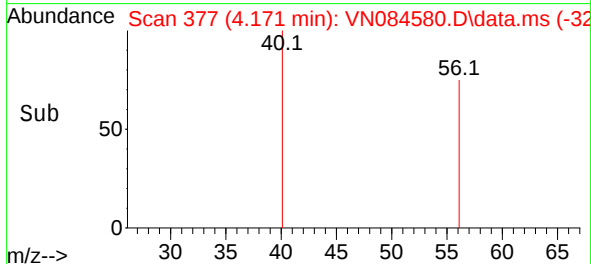
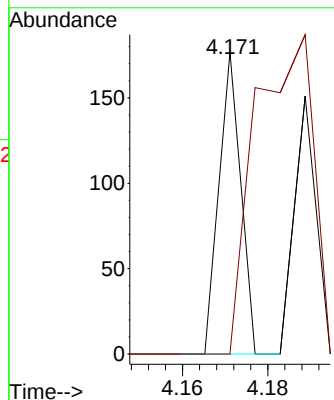
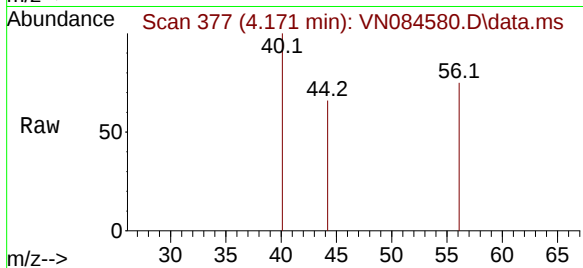
ClientSampleId :

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



#15

Acrylonitrile

Concen: 0.466 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

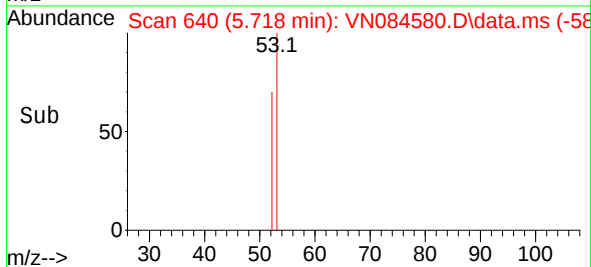
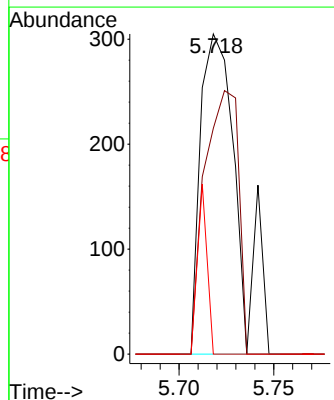
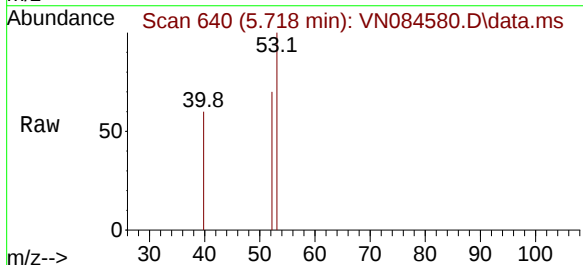
Tgt Ion: 53 Resp: 416

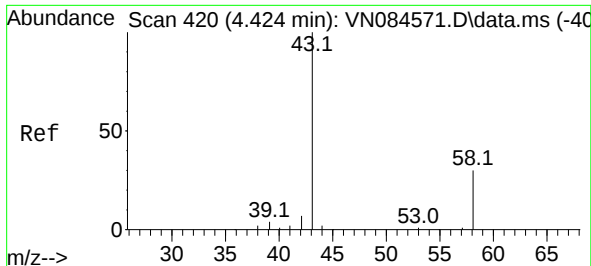
Ion Ratio Lower Upper

53 100

52 74.5 66.2 99.4

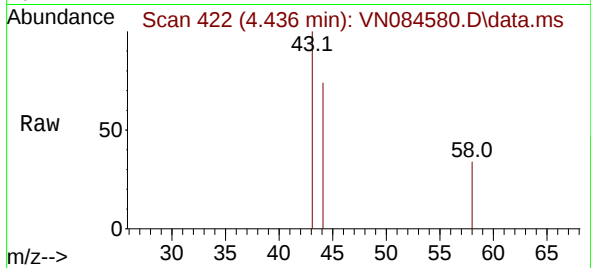
51 13.7 28.8 43.2#



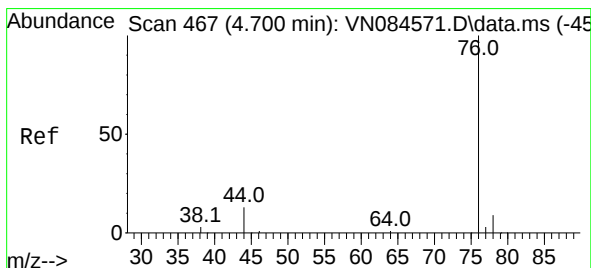
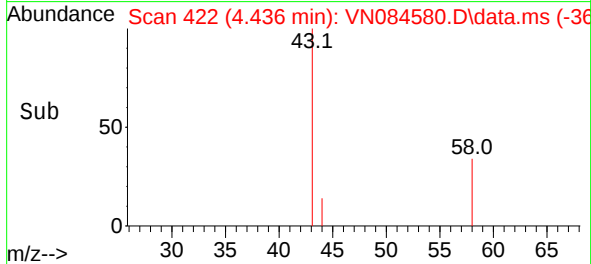
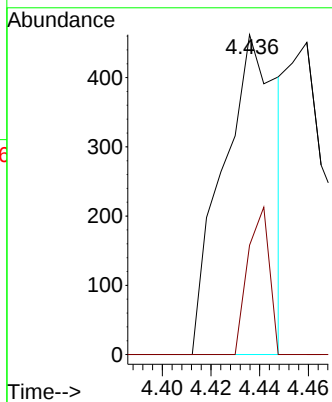


#16  
Acetone  
Concen: Below Cal  
RT: 4.436 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :

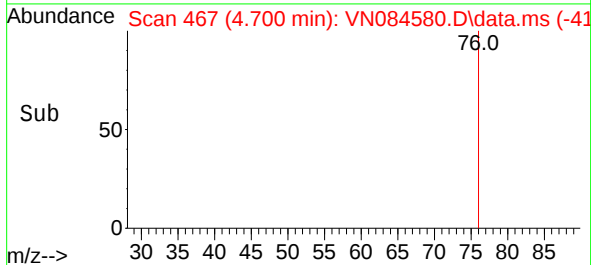
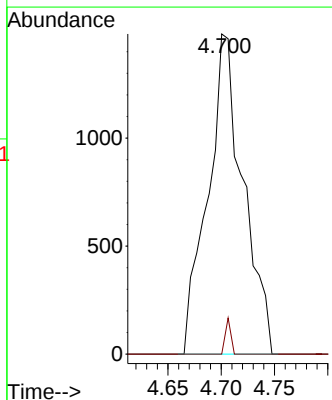
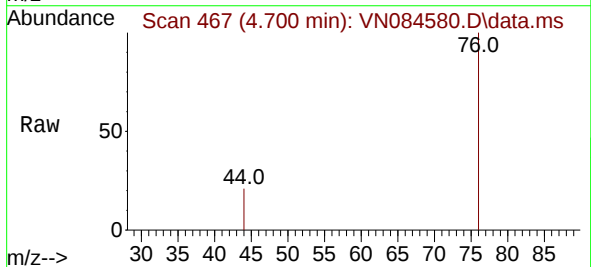


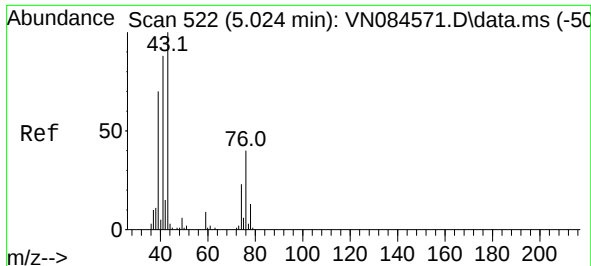
Tgt Ion: 43 Resp: 717  
Ion Ratio Lower Upper  
43 100  
58 34.2 24.4 36.6



#17  
Carbon Disulfide  
Concen: 0.600 ug/l  
RT: 4.700 min Scan# 467  
Delta R.T. -0.011 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion: 76 Resp: 3404  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.3 10.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 51

Delta R.T. 0.018 min

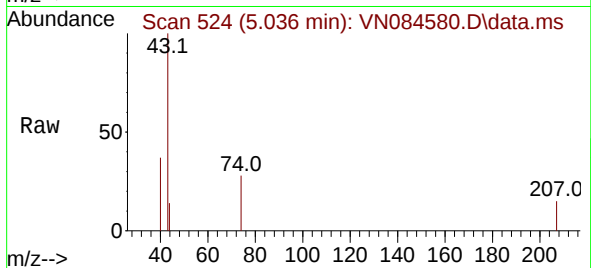
Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

ClientSampleId :

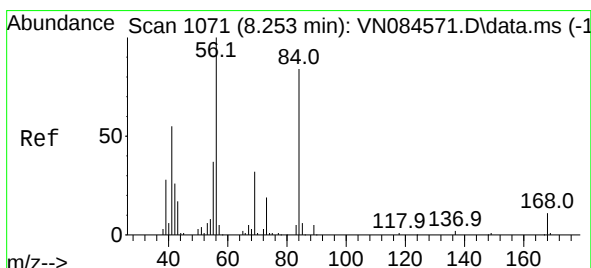
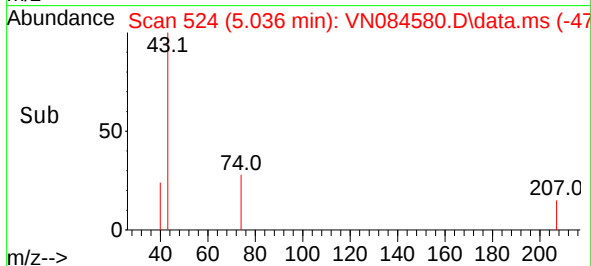
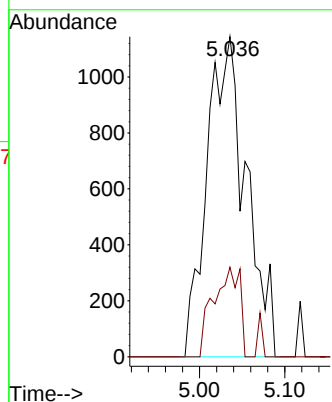


Tgt Ion: 43 Resp: 3657

Ion Ratio Lower Upper

43 100

74 18.8 19.2 28.8#



#31

Cyclohexane

Concen: 1.146 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

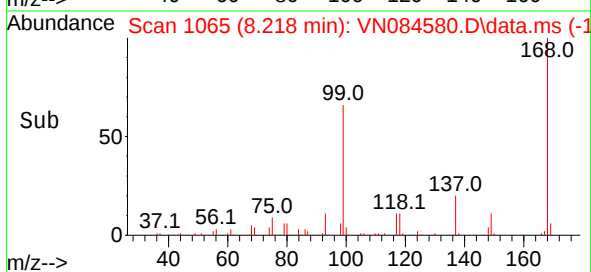
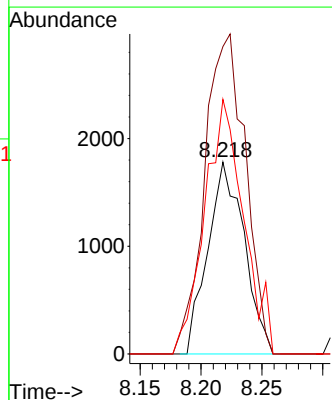
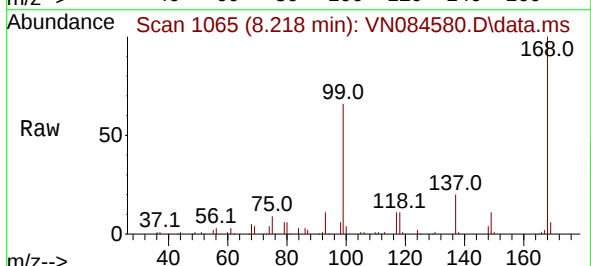
Tgt Ion: 56 Resp: 3697

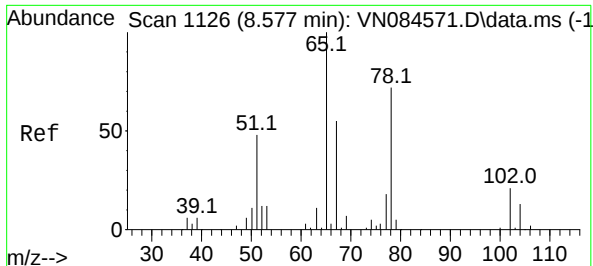
Ion Ratio Lower Upper

56 100

69 160.2 23.8 35.6#

84 132.7 68.8 103.2#

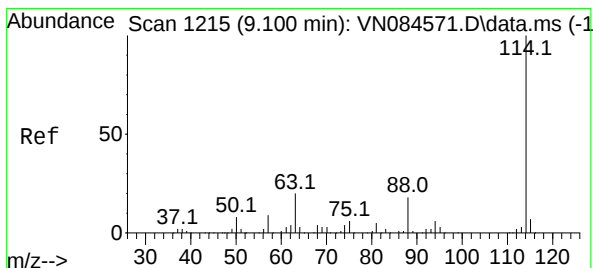
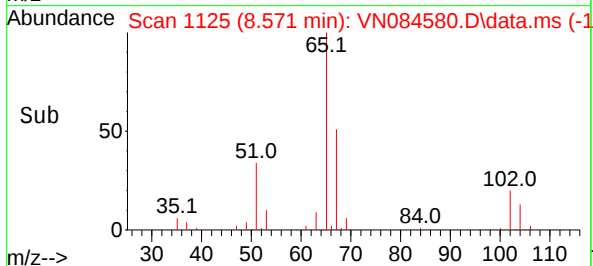
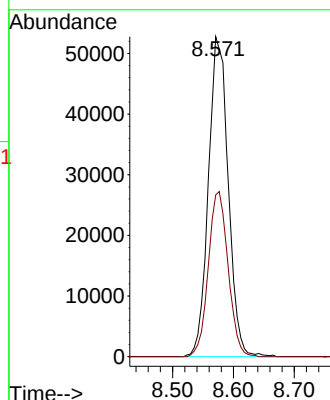
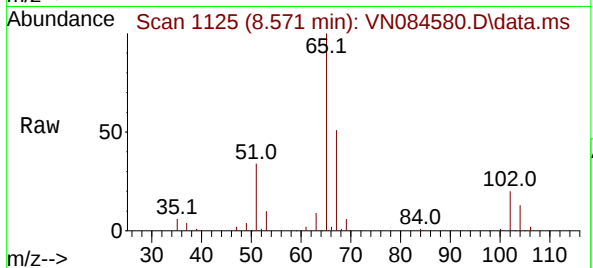




#33  
1,2-Dichloroethane-d4  
Concen: 51.083 ug/l  
RT: 8.571 min Scan# 1125  
Delta R.T. -0.006 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

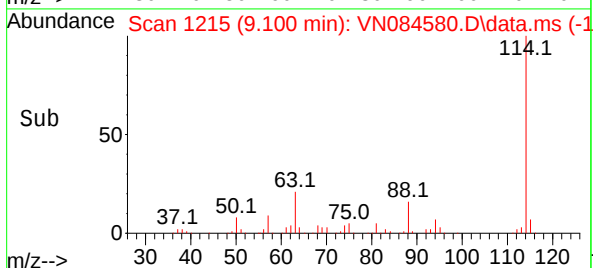
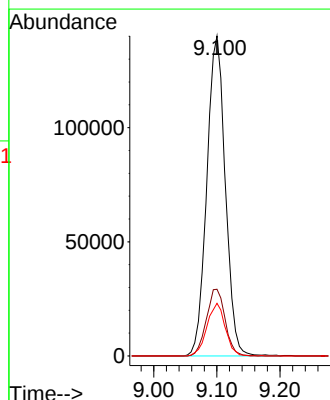
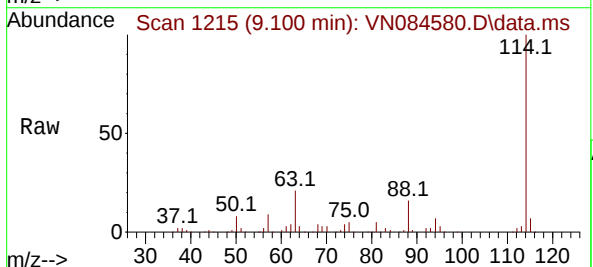
Instrument :  
MSVOA\_N  
ClientSampleId :

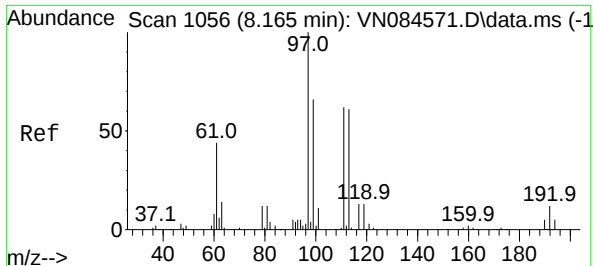
Tgt Ion: 65 Resp: 119388  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 102.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion:114 Resp: 284779  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 43.8  
88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.968 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

ClientSampleId :

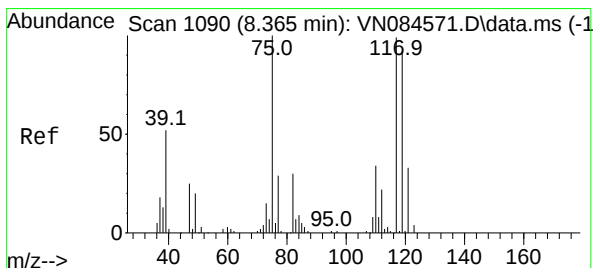
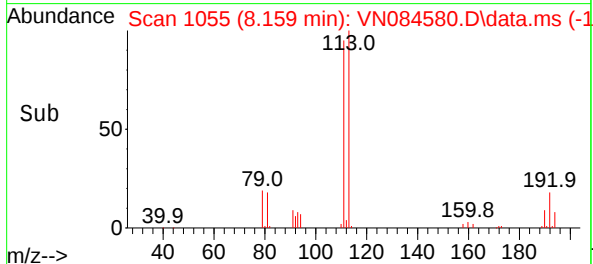
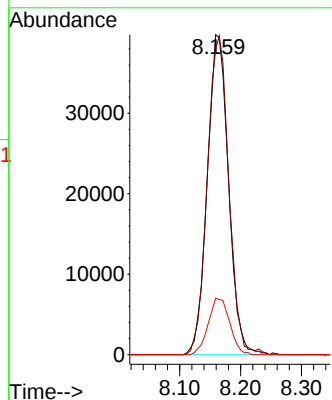
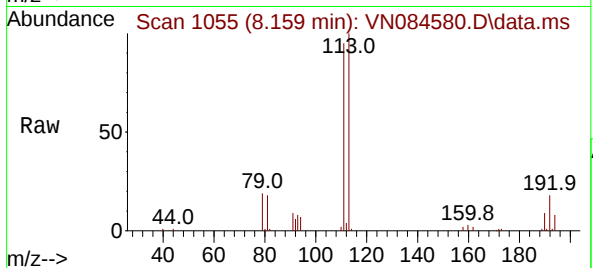
Tgt Ion:113 Resp: 96319

Ion Ratio Lower Upper

113 100

111 100.7 83.3 124.9

192 17.8 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.057 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

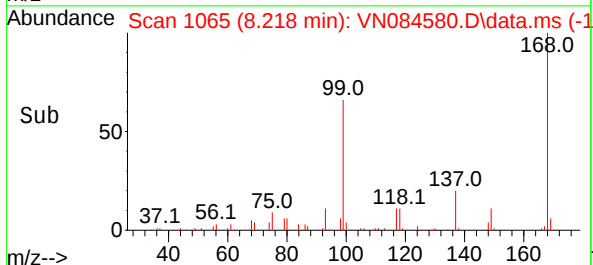
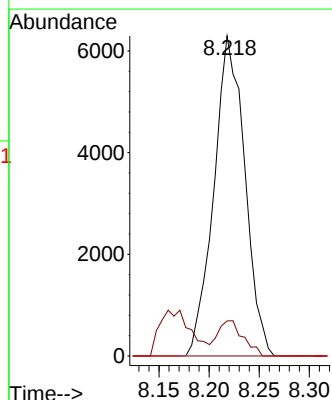
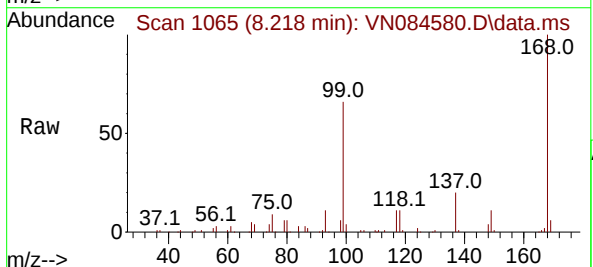
Tgt Ion: 75 Resp: 13519

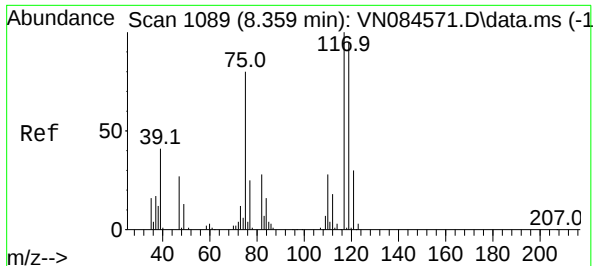
Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

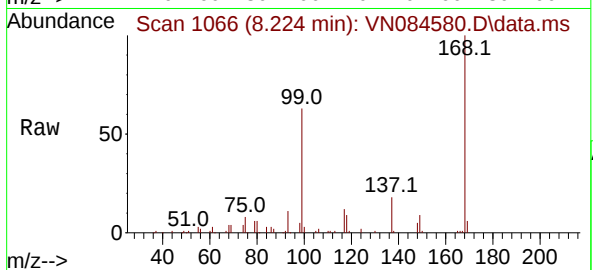
Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

ClientSampleId :



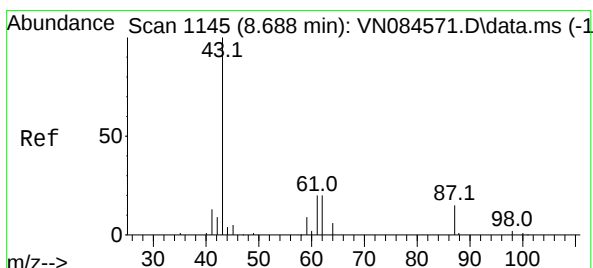
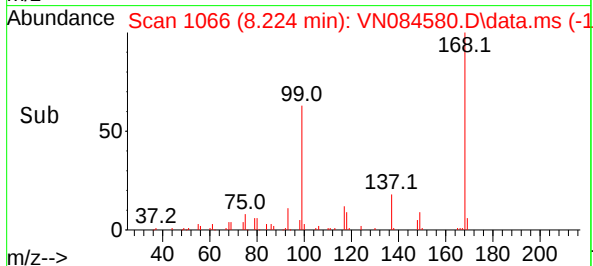
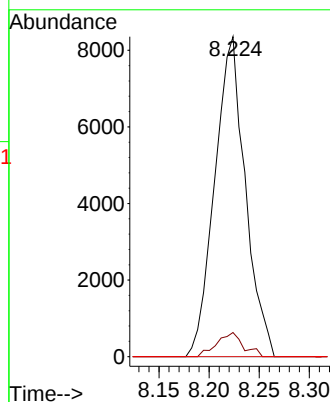
Tgt Ion:117 Resp: 17720

Ion Ratio Lower Upper

117 100

119 7.5 78.7 118.1#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.671 min Scan# 1142

Delta R.T. -0.017 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

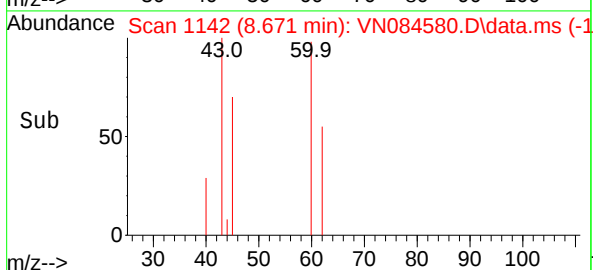
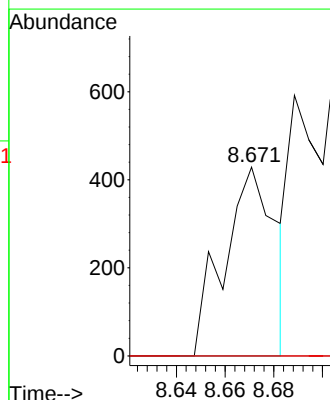
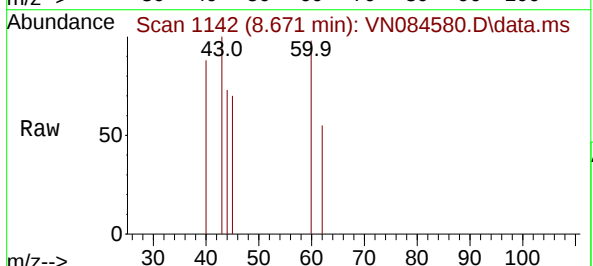
Tgt Ion: 43 Resp: 627

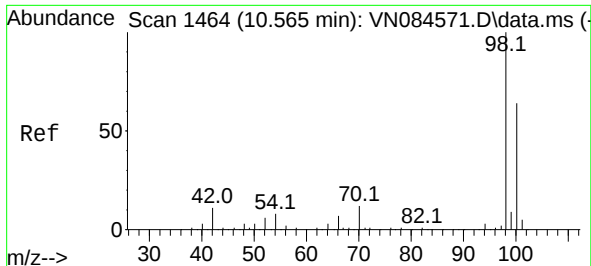
Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 46.650 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

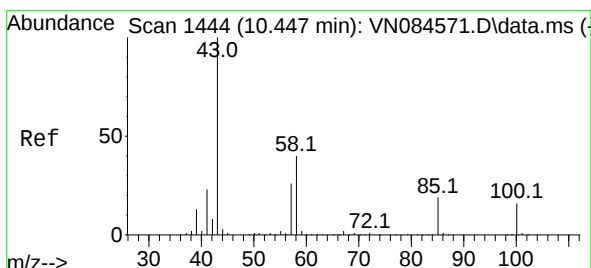
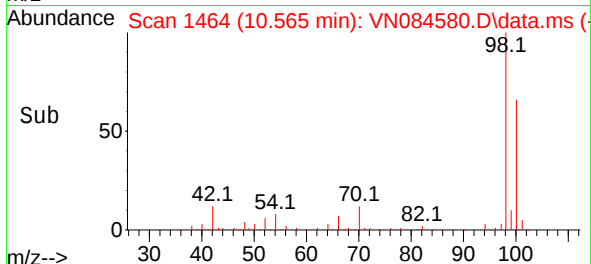
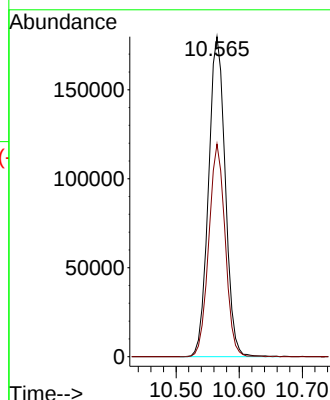
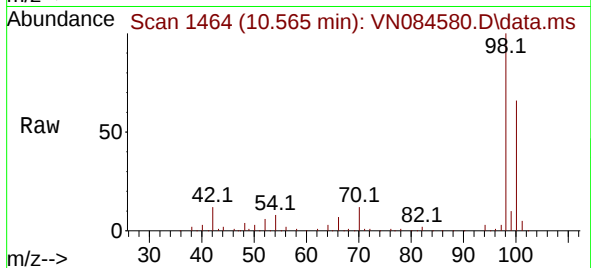
ClientSampleId :

Tgt Ion: 98 Resp: 331250

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN084580.D

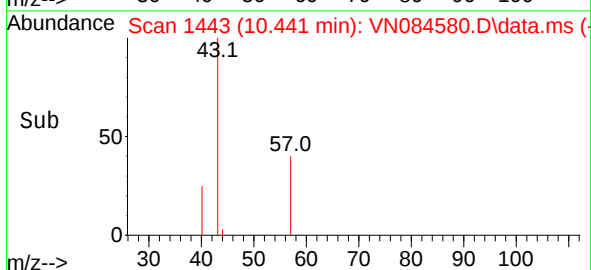
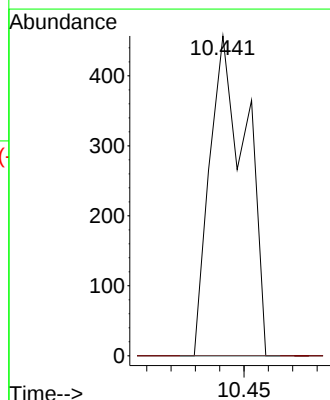
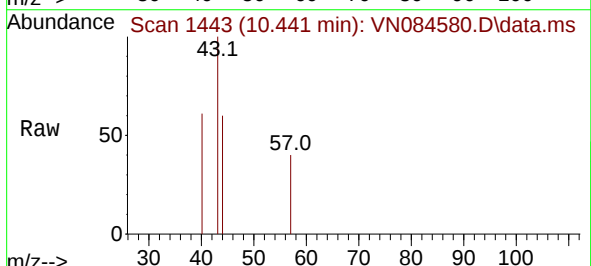
Acq: 30 Oct 2024 20:48

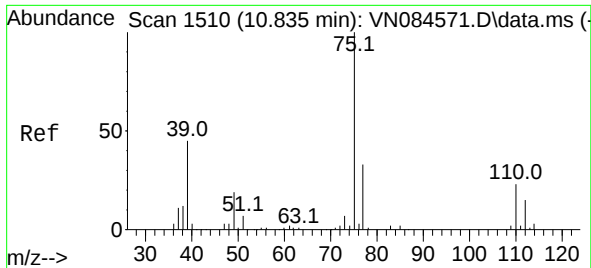
Tgt Ion: 43 Resp: 478

Ion Ratio Lower Upper

43 100

58 0.0 31.6 47.4#

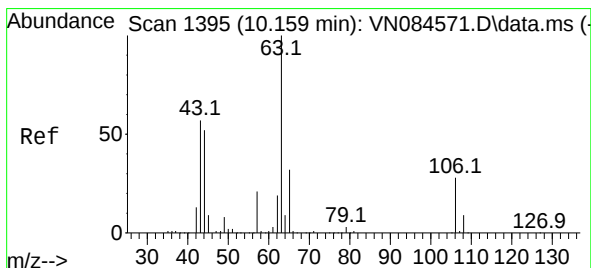
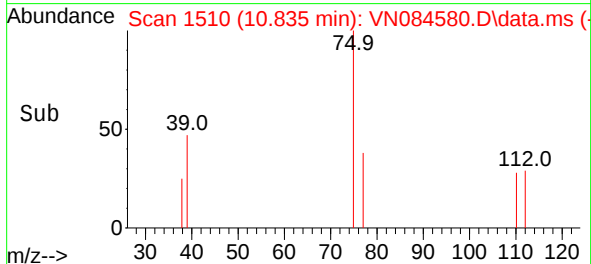
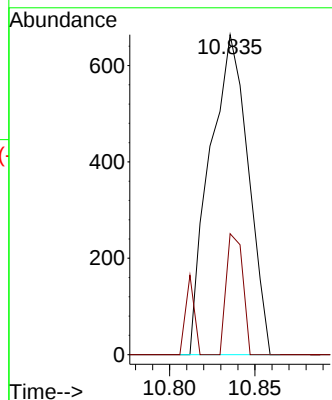
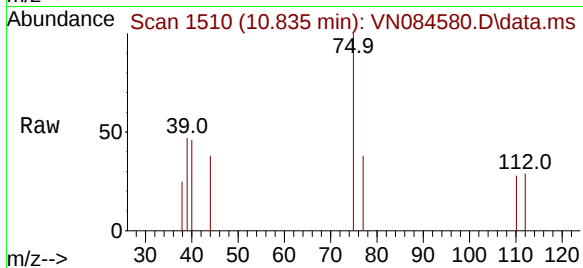




#53  
t-1,3-Dichloropropene  
Concen: 0.335 ug/l  
RT: 10.835 min Scan# 110  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

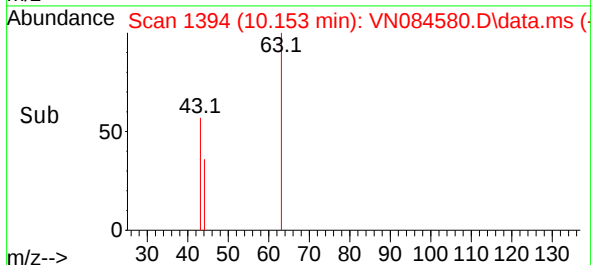
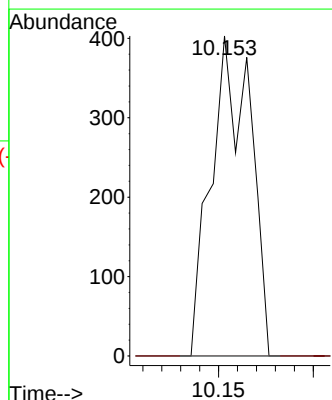
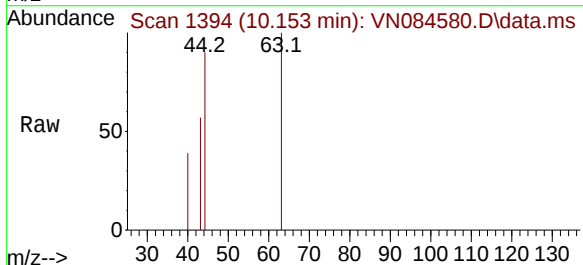
Instrument :  
MSVOA\_N  
ClientSampleId :

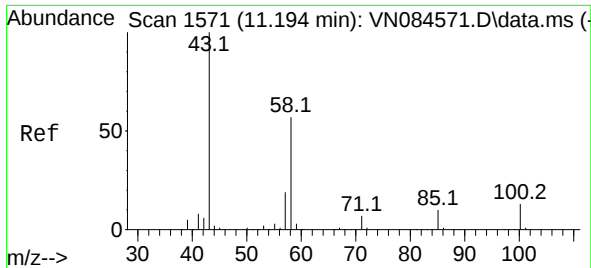
Tgt Ion: 75 Resp: 1039  
Ion Ratio Lower Upper  
75 100  
77 37.8 25.4 38.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 0.453 ug/l  
RT: 10.153 min Scan# 1394  
Delta R.T. -0.006 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion: 63 Resp: 580  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.8 32.6#

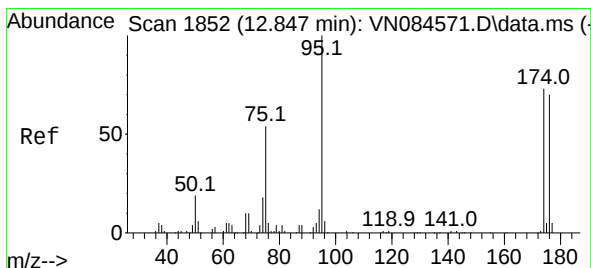
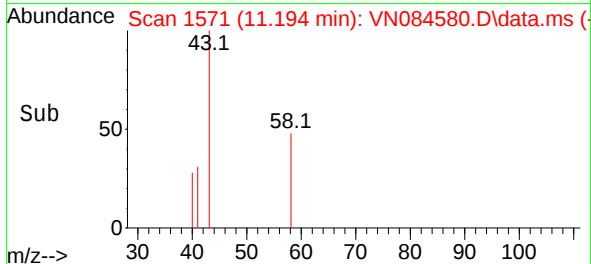
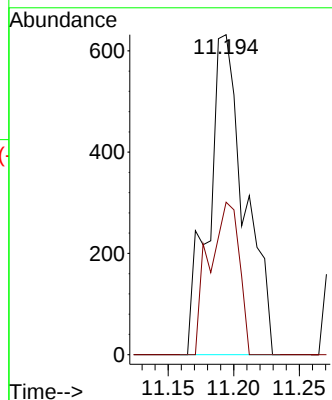
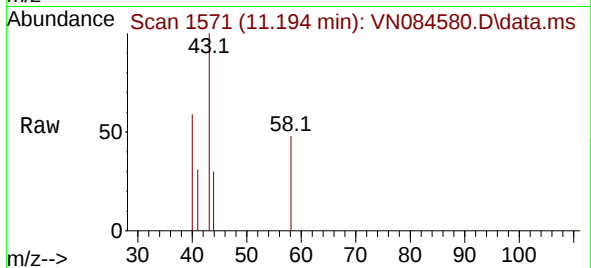




#59  
2-Hexanone  
Concen: 0.718 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

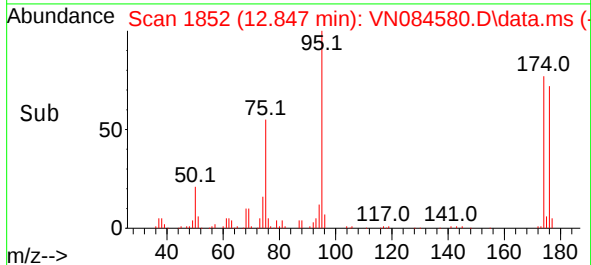
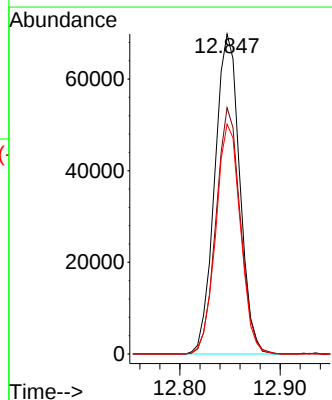
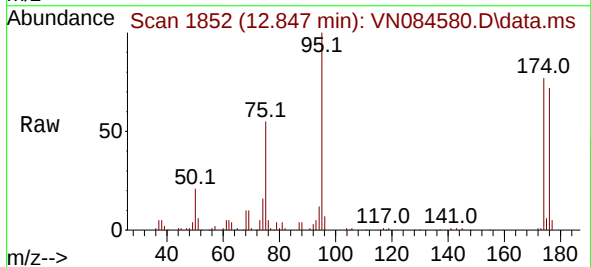
Instrument :  
MSVOA\_N  
ClientSampleId :

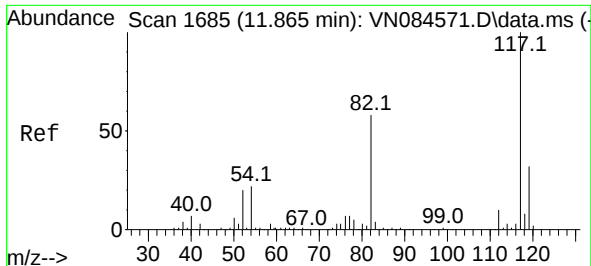
Tgt Ion: 43 Resp: 1209  
Ion Ratio Lower Upper  
43 100  
58 39.5 27.3 81.8



#62  
4-Bromofluorobenzene  
Concen: 45.388 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion: 95 Resp: 120449  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 145.2  
176 71.2 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

ClientSampleId :

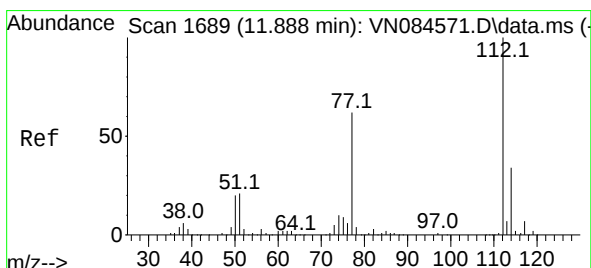
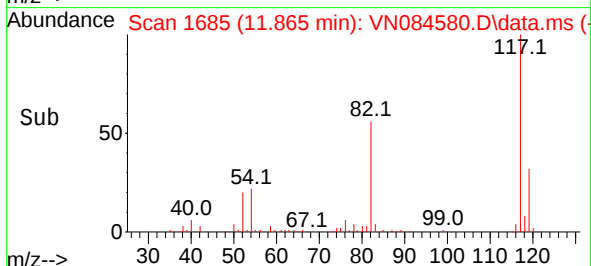
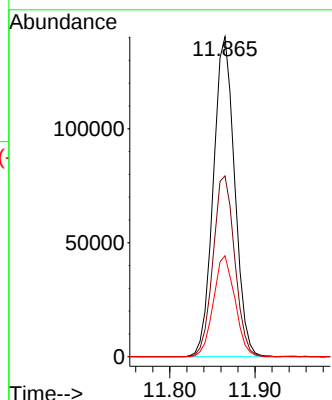
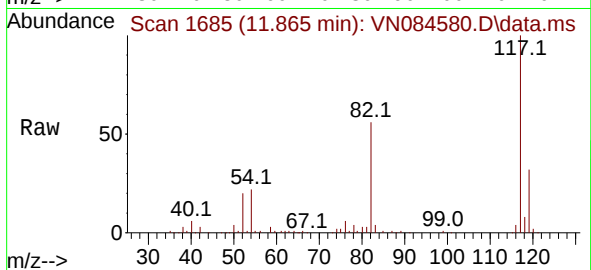
Tgt Ion:117 Resp: 244532

Ion Ratio Lower Upper

117 100

82 56.5 47.2 70.8

119 31.6 25.4 38.0



#65

Chlorobenzene

Concen: 0.367 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN084580.D

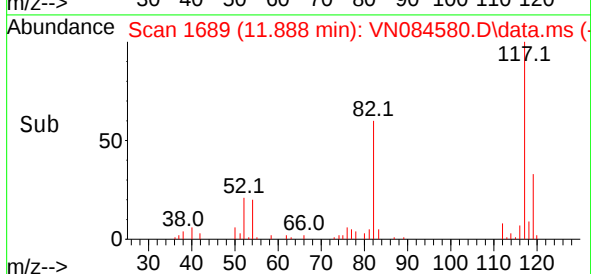
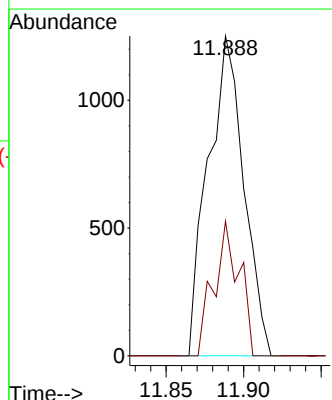
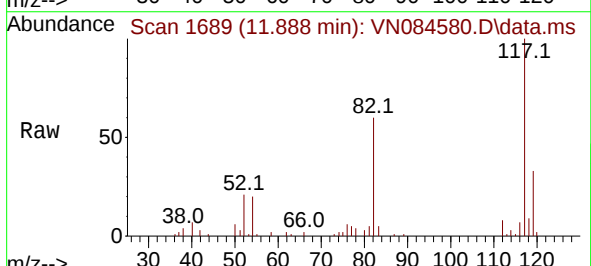
Acq: 30 Oct 2024 20:48

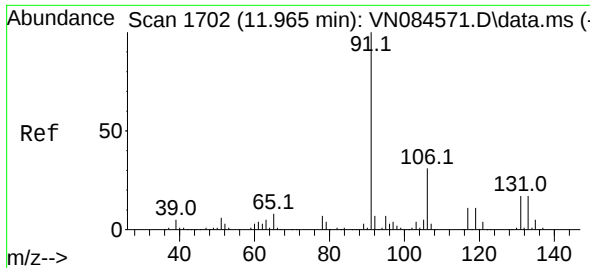
Tgt Ion:112 Resp: 2005

Ion Ratio Lower Upper

112 100

114 42.1 27.0 40.6#





#67

Ethyl Benzene

Concen: 0.202 ug/l

RT: 11.965 min Scan# 1719

Delta R.T. 0.006 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

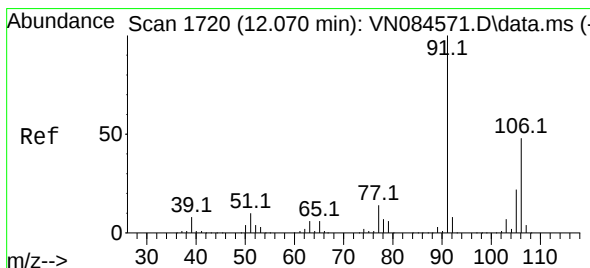
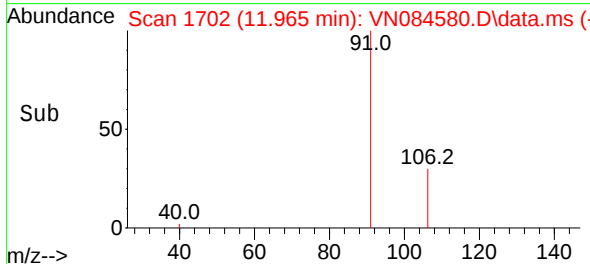
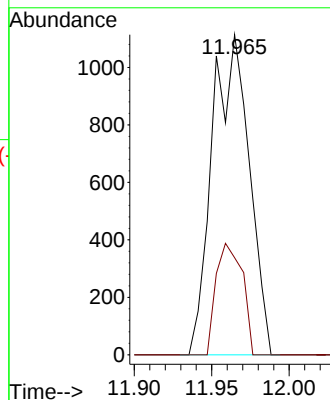
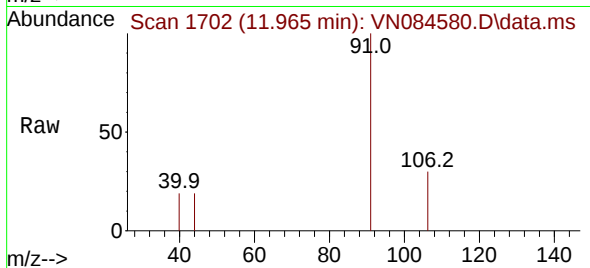
ClientSampleId :

Tgt Ion: 91 Resp: 1846

Ion Ratio Lower Upper

91 100

106 30.3 24.5 36.7



#68

m/p-Xylenes

Concen: 0.412 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN084580.D

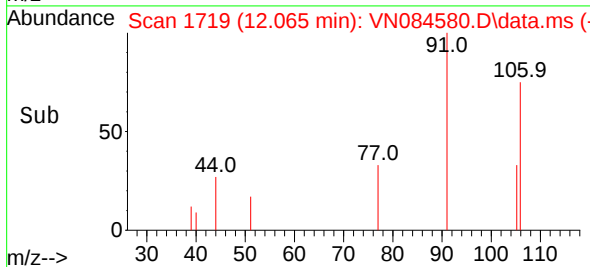
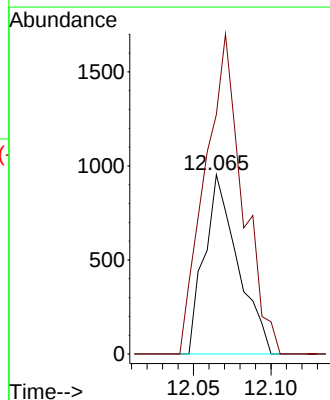
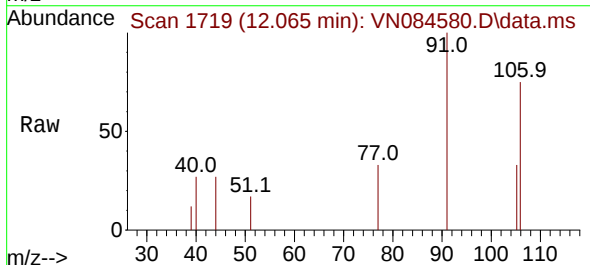
Acq: 30 Oct 2024 20:48

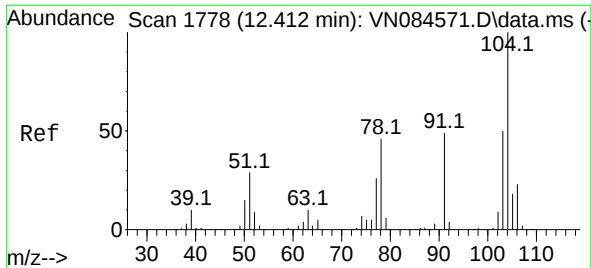
Tgt Ion:106 Resp: 1424

Ion Ratio Lower Upper

106 100

91 201.8 167.1 250.7

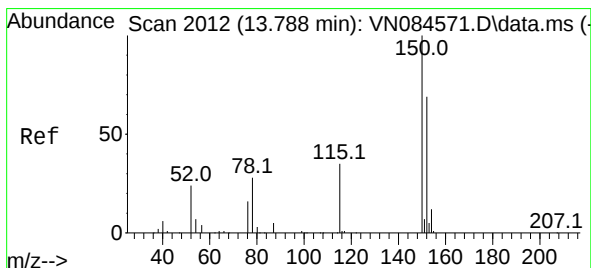
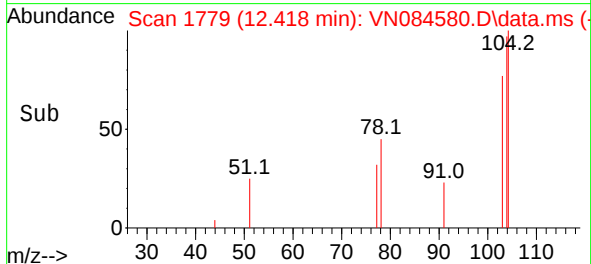
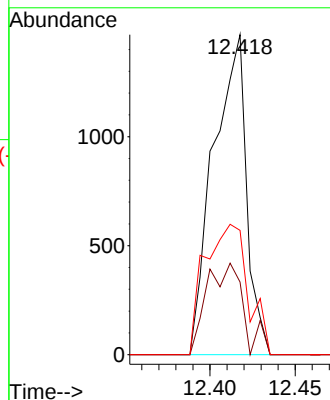
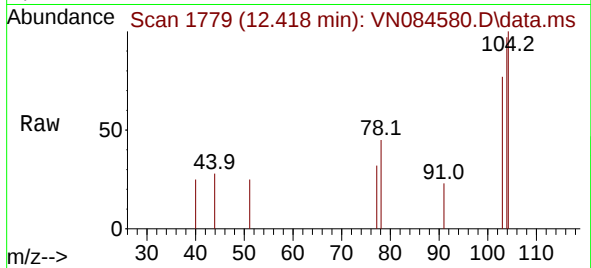




#70  
Styrene  
Concen: 0.350 ug/l  
RT: 12.418 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

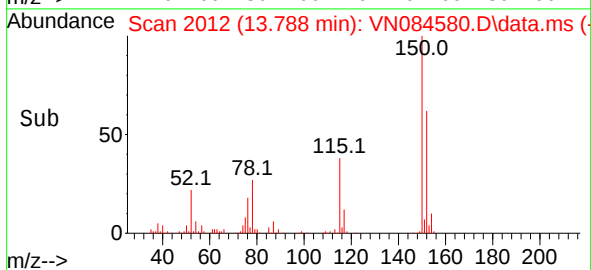
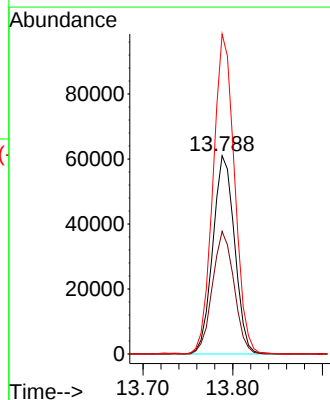
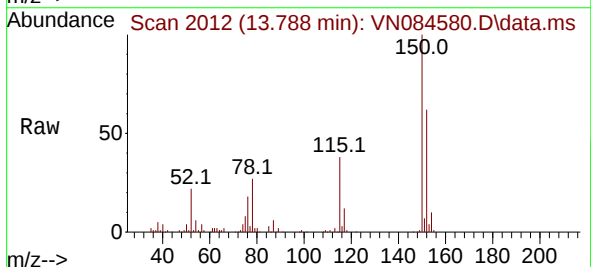
Instrument :  
MSVOA\_N  
ClientSampleId :

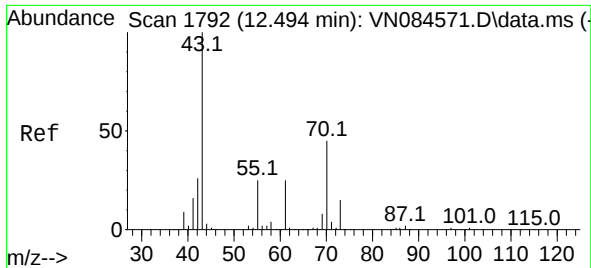
Tgt Ion:104 Resp: 1977  
Ion Ratio Lower Upper  
104 100  
78 31.8 42.7 64.1#  
103 53.5 43.6 65.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion:152 Resp: 102755  
Ion Ratio Lower Upper  
152 100  
115 61.5 31.3 93.9  
150 159.5 0.0 349.8

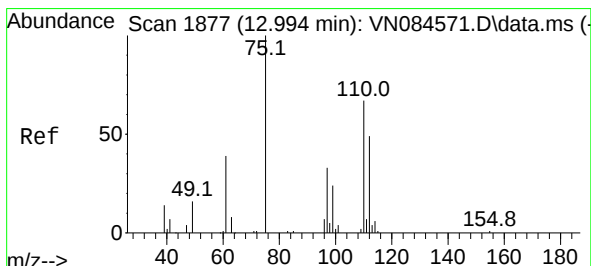
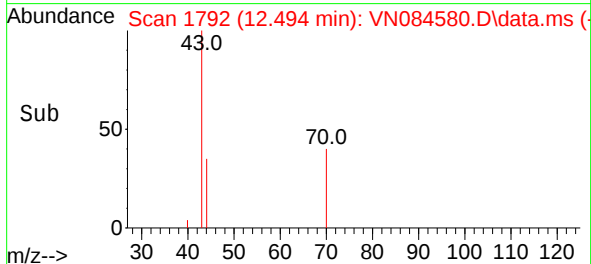
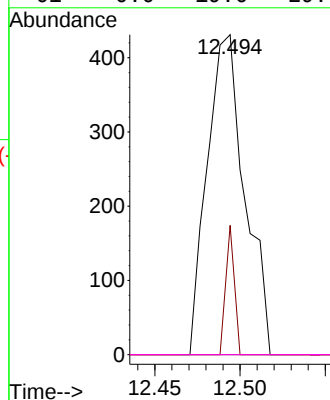
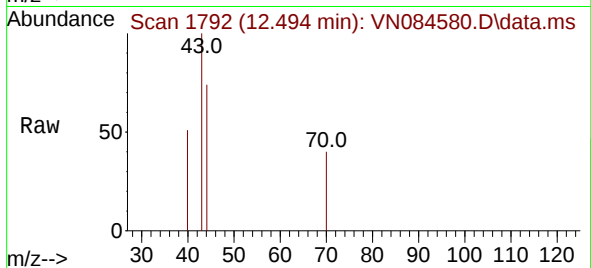




#74  
N-amyI acetate  
Concen: 0.216 ug/l  
RT: 12.494 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

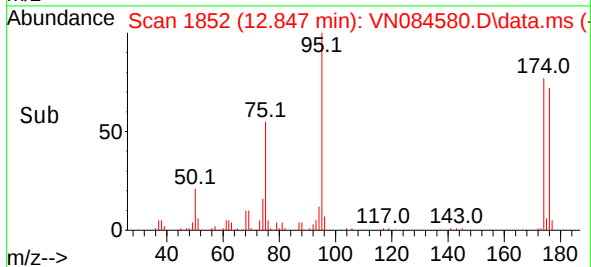
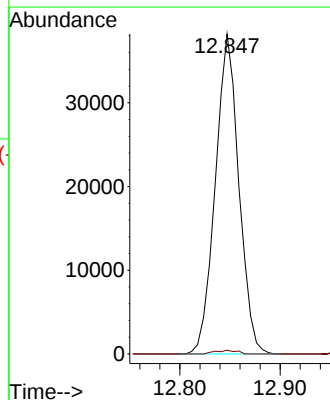
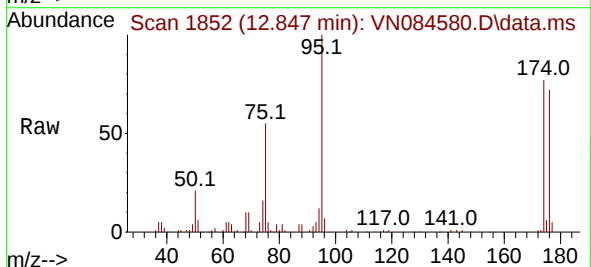
Instrument :  
MSVOA\_N  
ClientSampleId :

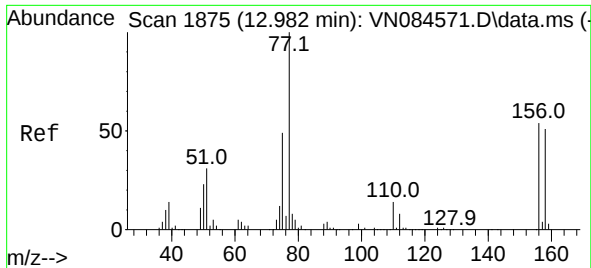
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 661   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 9.2   | 34.4  | 51.6# |
| 55       | 0.0   | 19.6  | 29.4# |
| 61       | 0.0   | 19.6  | 29.4# |



#76  
1,2,3-Trichloropropane  
Concen: 30.283 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 62201  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 1.1   | 96.9  | 290.7# |

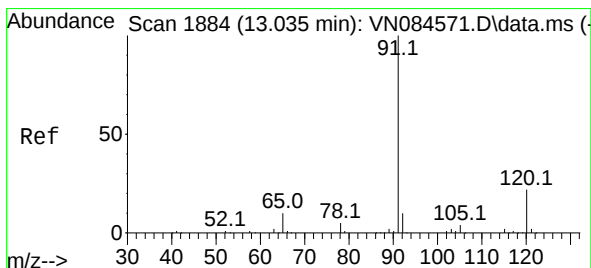
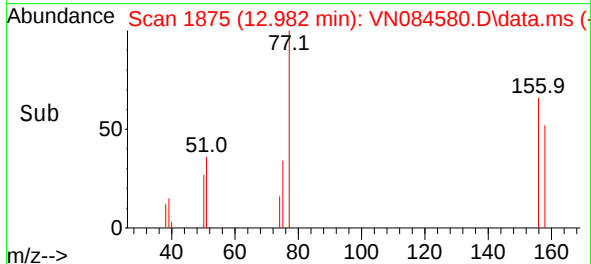
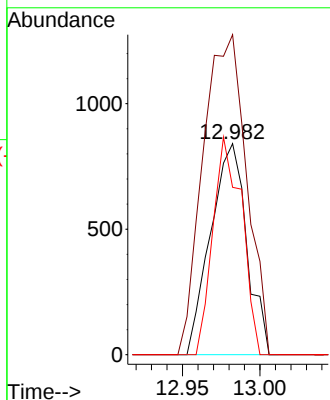
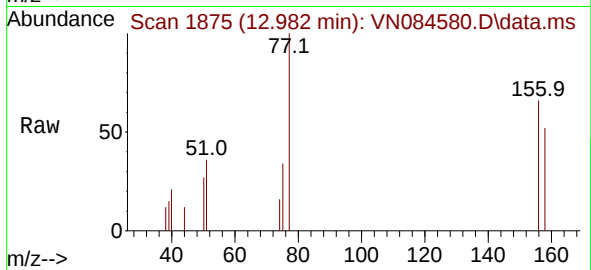




#77  
Bromobenzene  
Concen: 0.704 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

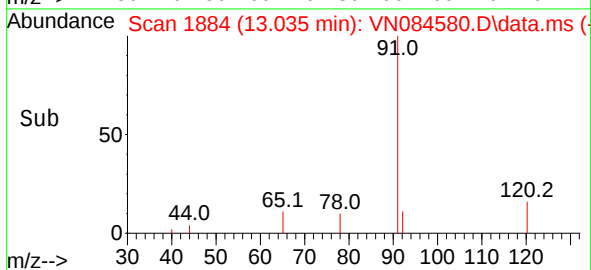
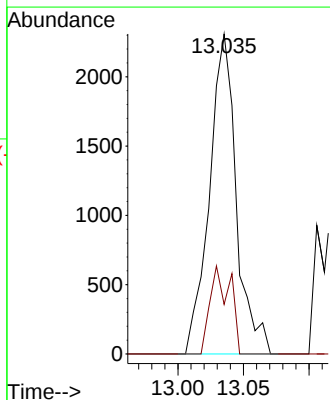
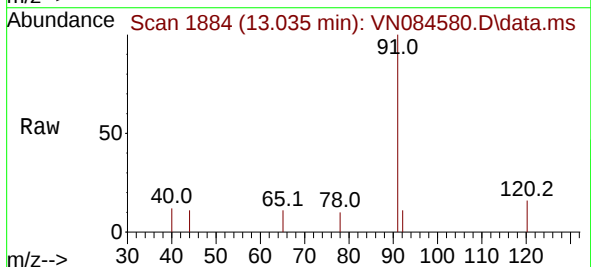
Instrument :  
MSVOA\_N  
ClientSampleId :

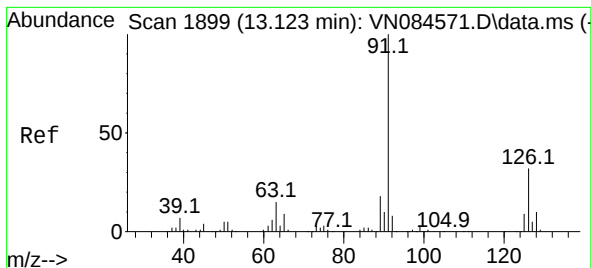
Tgt Ion:156 Resp: 1362  
Ion Ratio Lower Upper  
156 100  
77 182.7 115.1 345.3  
158 82.2 48.9 146.8



#78  
n-propylbenzene  
Concen: 0.390 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion: 91 Resp: 3288  
Ion Ratio Lower Upper  
91 100  
120 20.5 10.8 32.4





#79

2-Chlorotoluene

Concen: 0.383 ug/l

RT: 13.123 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

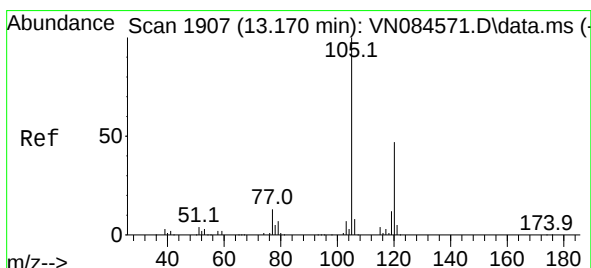
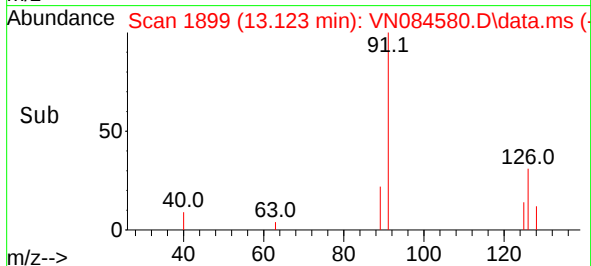
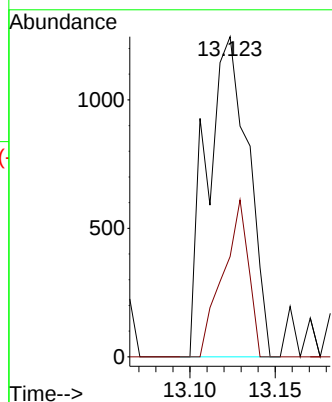
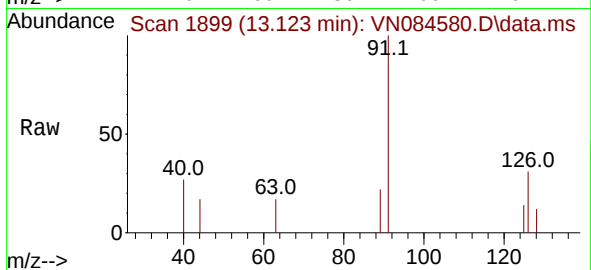
ClientSampleId :

Tgt Ion: 91 Resp: 2109

Ion Ratio Lower Upper

91 100

126 30.1 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 0.212 ug/l

RT: 13.165 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VN084580.D

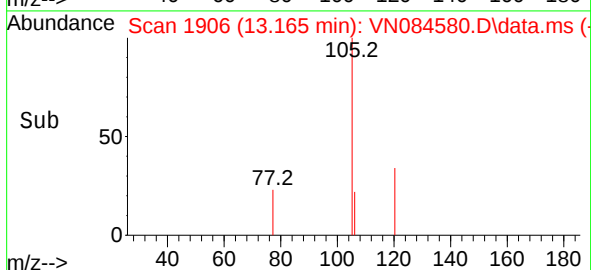
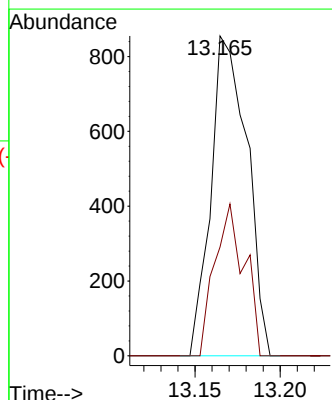
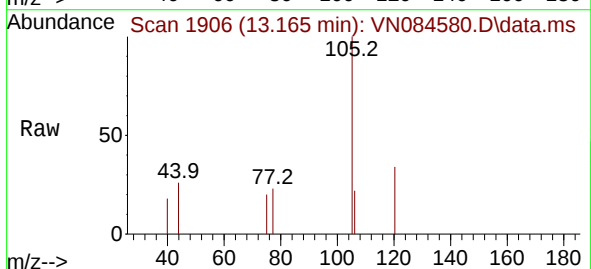
Acq: 30 Oct 2024 20:48

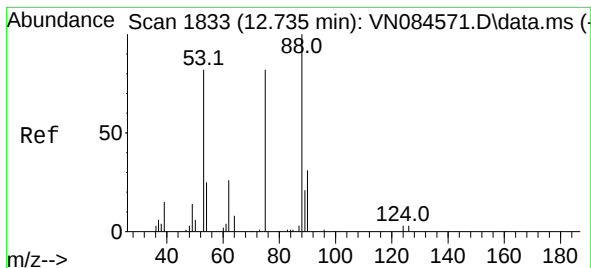
Tgt Ion:105 Resp: 1263

Ion Ratio Lower Upper

105 100

120 39.1 23.7 71.1

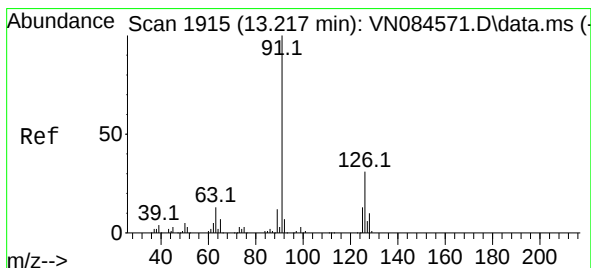
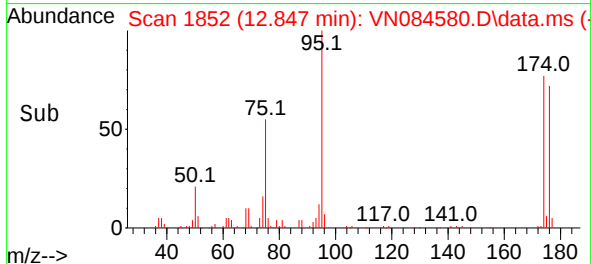
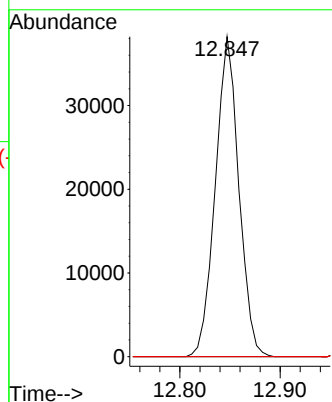
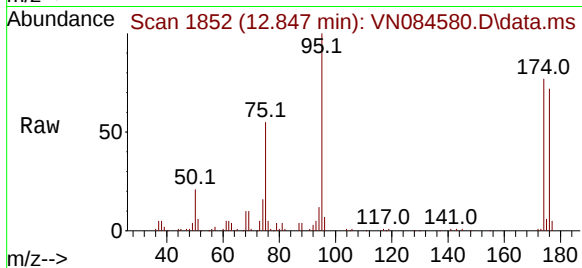




#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.842 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

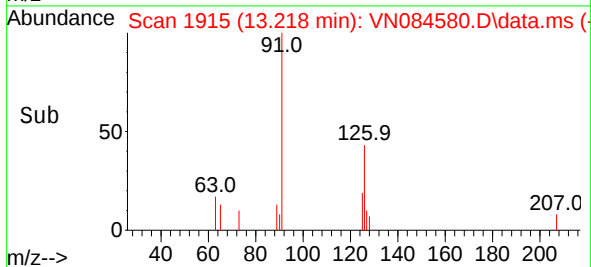
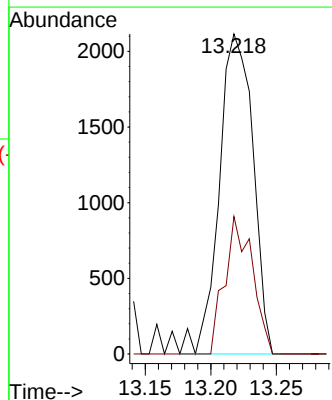
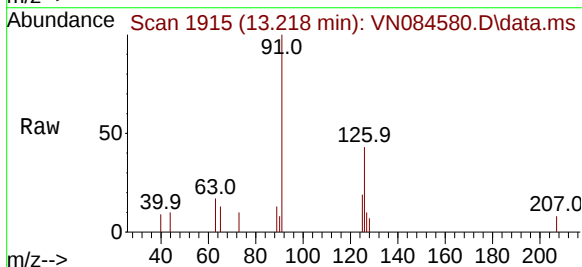
Instrument :  
MSVOA\_N  
ClientSampleId :

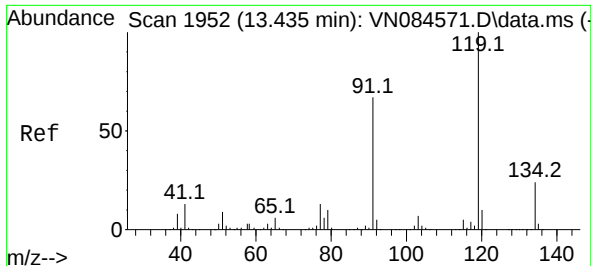
Tgt Ion: 75 Resp: 62201  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 35.5 53.3#



#82  
4-Chlorotoluene  
Concen: 0.654 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion: 91 Resp: 3794  
Ion Ratio Lower Upper  
91 100  
126 35.1 15.7 47.1





#83

tert-Butylbenzene

Concen: 0.238 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

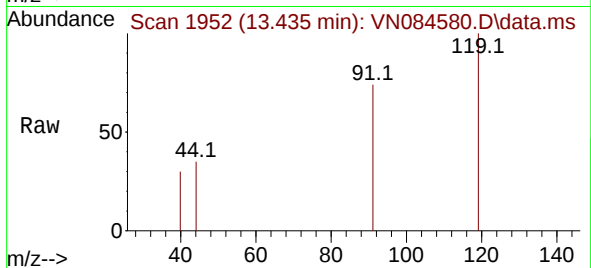
Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

ClientSampleId :



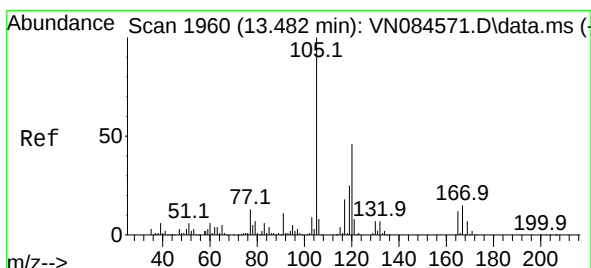
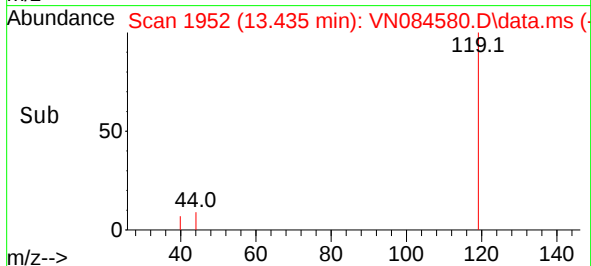
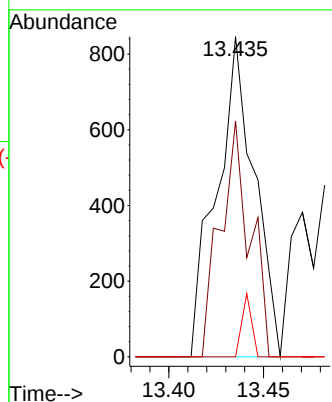
Tgt Ion:119 Resp: 1176

Ion Ratio Lower Upper

119 100

91 57.7 34.1 102.3

134 5.0 12.8 38.4#



#84

1,2,4-Trimethylbenzene

Concen: 0.259 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN084580.D

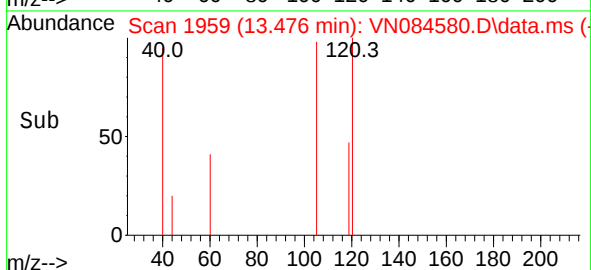
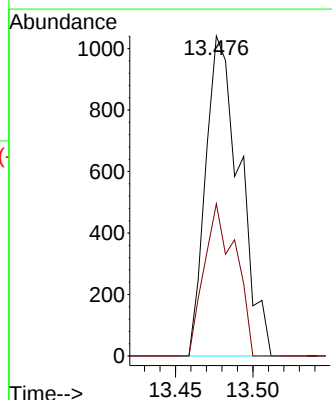
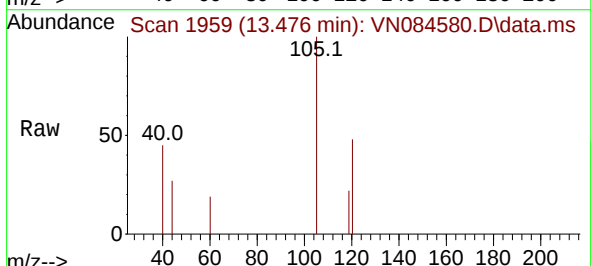
Acq: 30 Oct 2024 20:48

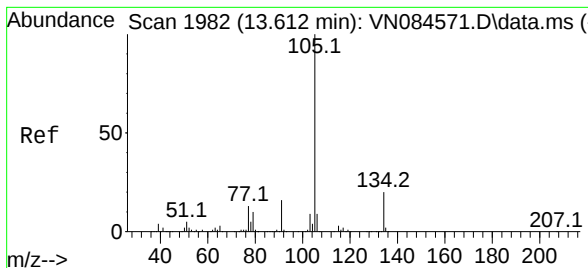
Tgt Ion:105 Resp: 1593

Ion Ratio Lower Upper

105 100

120 43.6 22.3 66.8

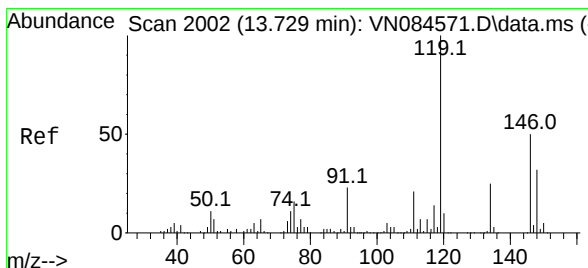
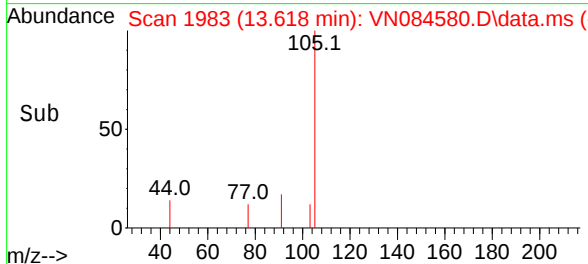
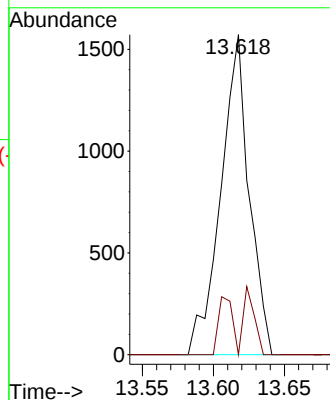
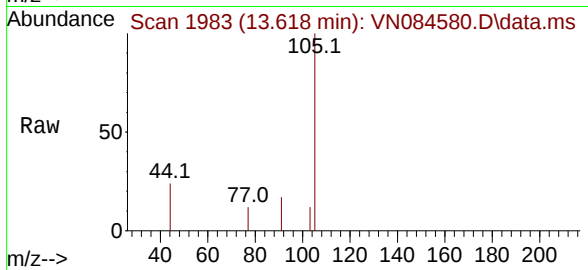




#85  
sec-Butylbenzene  
Concen: 0.313 ug/l  
RT: 13.618 min Scan# 1982  
Delta R.T. 0.000 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

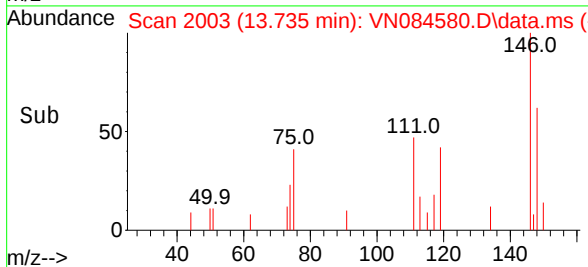
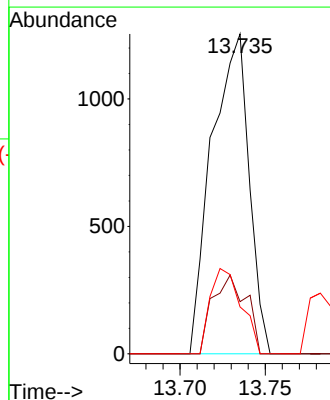
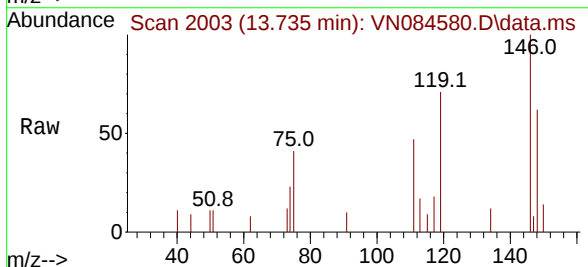
Instrument :  
MSVOA\_N  
ClientSampleId :

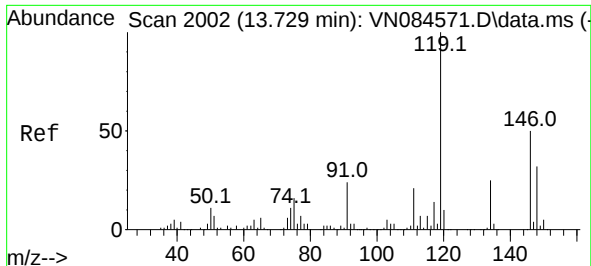
Tgt Ion:105 Resp: 2183  
Ion Ratio Lower Upper  
105 100  
134 8.2 9.8 29.4#



#86  
p-Isopropyltoluene  
Concen: 0.333 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.006 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Tgt Ion:119 Resp: 1905  
Ion Ratio Lower Upper  
119 100  
134 22.2 12.6 37.8  
91 22.3 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.799 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

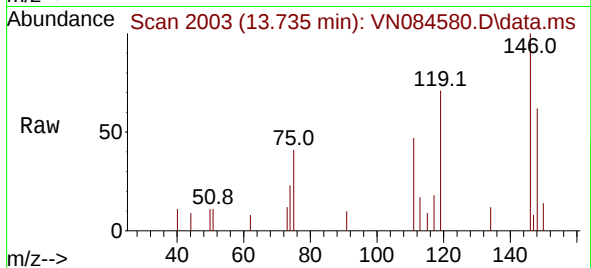
Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

ClientSampleId :



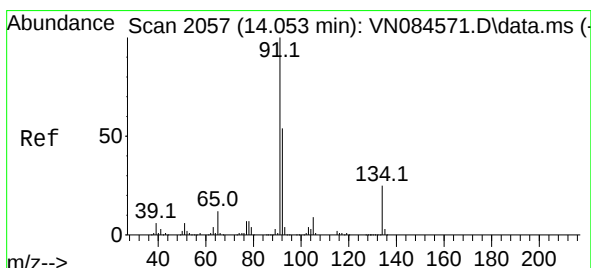
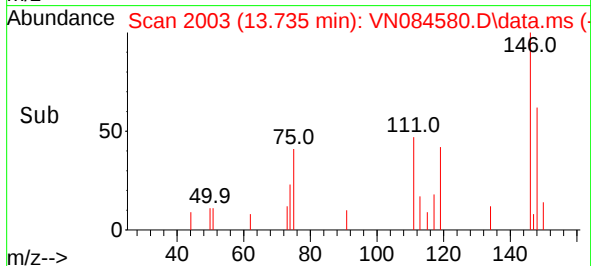
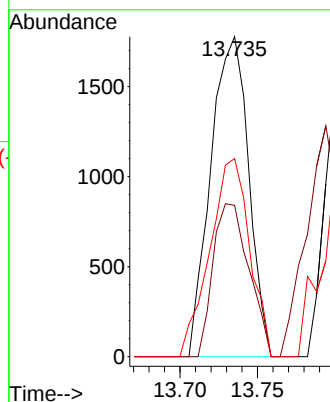
Tgt Ion:146 Resp: 3018

Ion Ratio Lower Upper

146 100

111 45.3 21.8 65.3

148 65.1 31.9 95.7



#89

n-Butylbenzene

Concen: 0.726 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

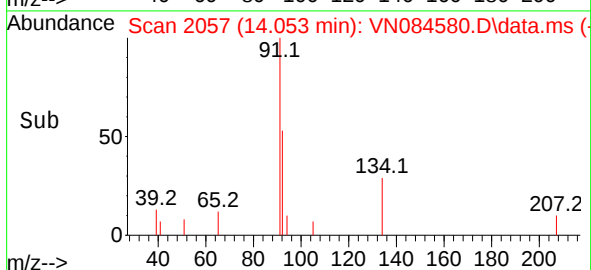
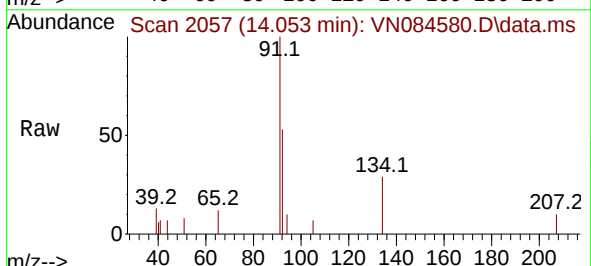
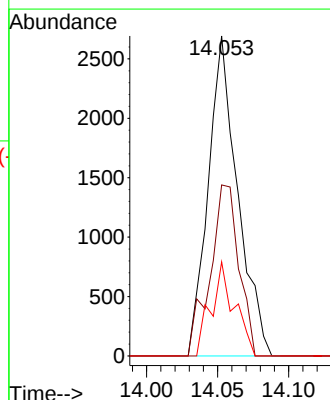
Tgt Ion: 91 Resp: 3884

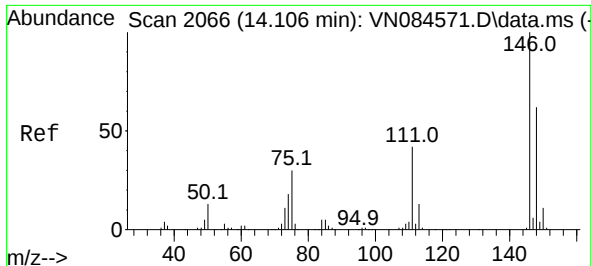
Ion Ratio Lower Upper

91 100

92 52.3 26.6 79.7

134 23.3 12.3 36.9





#91

1,2-Dichlorobenzene

Concen: 0.621 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

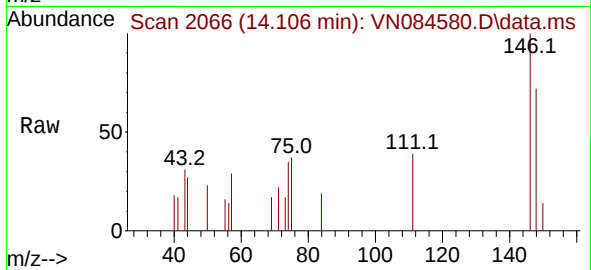
Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

ClientSampleId :



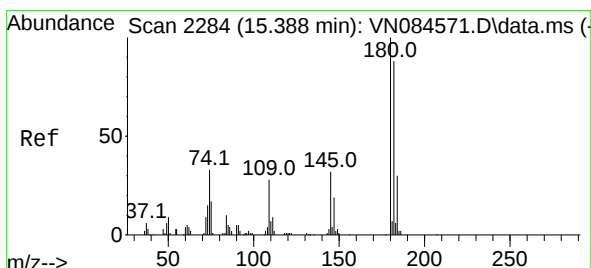
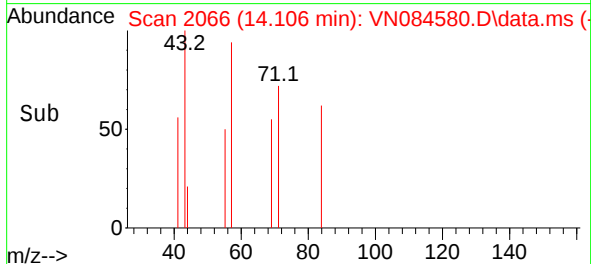
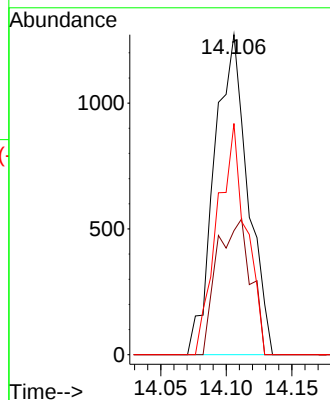
Tgt Ion:146 Resp: 2255

Ion Ratio Lower Upper

146 100

111 42.9 22.0 66.0

148 62.3 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 1.399 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

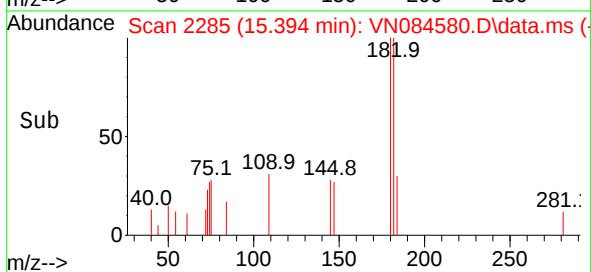
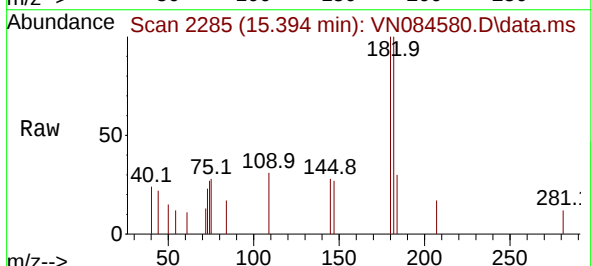
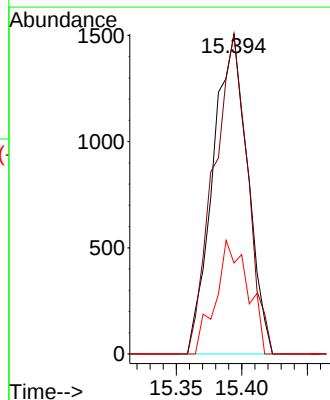
Tgt Ion:180 Resp: 2779

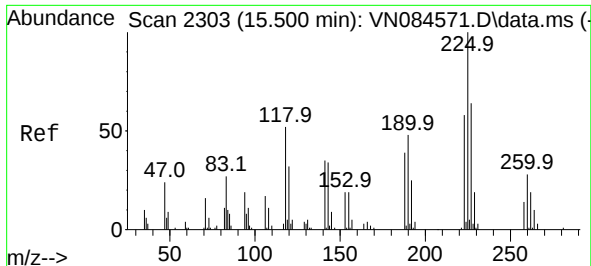
Ion Ratio Lower Upper

180 100

182 97.3 47.0 141.0

145 32.9 16.4 49.4





#94

Hexachlorobutadiene

Concen: 1.235 ug/l

RT: 15.488 min Scan# 2301

Delta R.T. -0.012 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

Instrument :

MSVOA\_N

ClientSampleId :

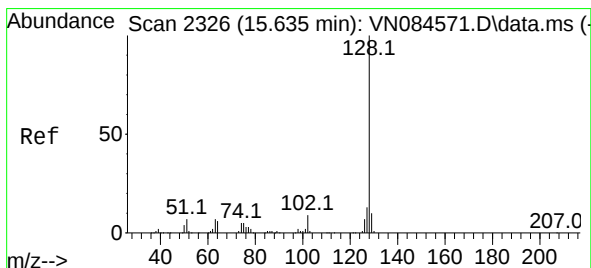
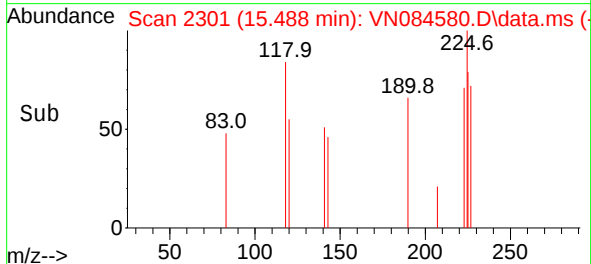
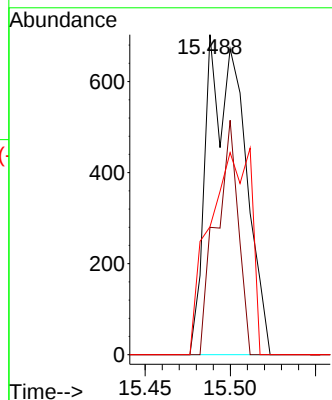
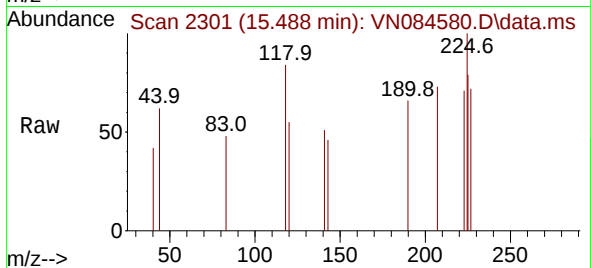
Tgt Ion:225 Resp: 1078

Ion Ratio Lower Upper

225 100

223 0.0 32.4 97.2#

227 0.0 32.4 97.0#



#95

Naphthalene

Concen: 1.131 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN084580.D

Acq: 30 Oct 2024 20:48

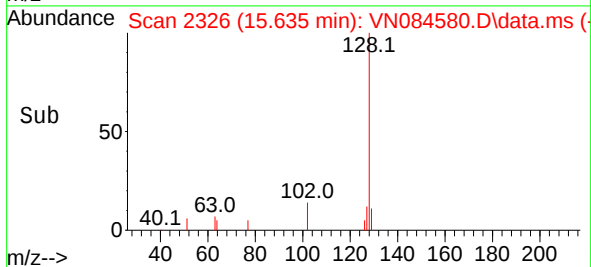
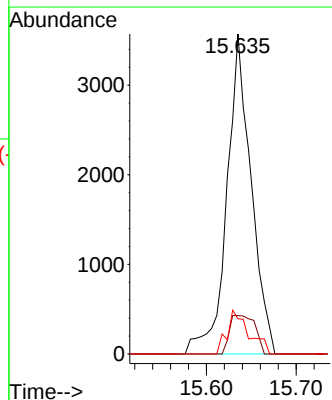
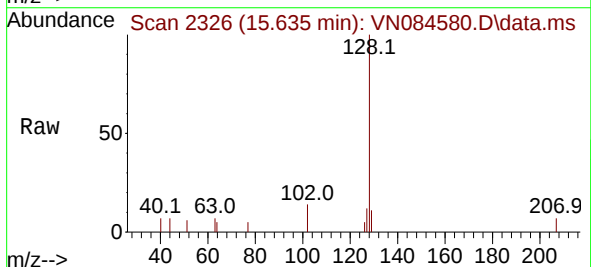
Tgt Ion:128 Resp: 6724

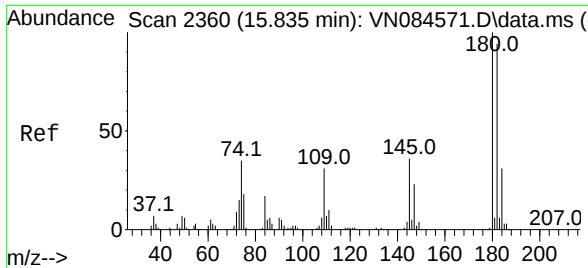
Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

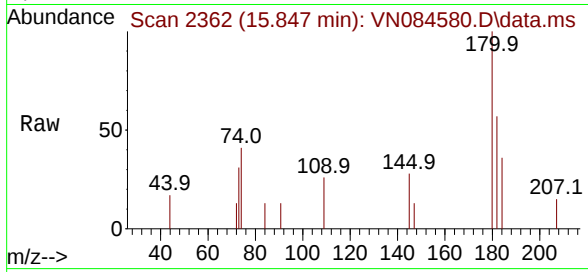
129 12.2 8.7 13.1





#96  
1,2,3-Trichlorobenzene  
Concen: 1.543 ug/l  
RT: 15.847 min Scan# 24  
Delta R.T. 0.012 min  
Lab File: VN084580.D  
Acq: 30 Oct 2024 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 72.5  | 48.2  | 144.6 |
| 145     | 33.5  | 17.3  | 51.9  |

