

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082924\  
 Data File : VN083557.D  
 Acq On : 29 Aug 2024 15:37  
 Operator : JC\MD  
 Sample : P3727-04RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 30 01:26:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 137287   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 273598   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 292994   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 141676   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 106551   | 54.526   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 109.060% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 84715    | 49.606   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 99.220%  |      |
| 50) Toluene-d8              | 10.565 | 98    | 312145   | 49.000   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 98.000%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 144287   | 58.098   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 116.200% |      |

|                               |        |     |        |        |        |     |
|-------------------------------|--------|-----|--------|--------|--------|-----|
| Target Compounds              |        |     | Qvalue |        |        |     |
| 3) Chloromethane              | 2.354  | 50  | 684    | 0.429  | ug/l # | 43  |
| 6) Chloroethane               | 3.112  | 64  | 1049   | 1.031  | ug/l   | 89  |
| 11) Tert butyl alcohol        | 5.495  | 59  | 2335   | 5.750  | ug/l # | 71  |
| 13) Acrolein                  | 4.183  | 56  | 314    | 1.186  | ug/l   | 84  |
| 16) Acetone                   | 4.430  | 43  | 12242  | 16.010 | ug/l   | 96  |
| 17) Carbon Disulfide          | 4.695  | 76  | 3512   | 0.789  | ug/l # | 86  |
| 18) Methyl Acetate            | 5.018  | 43  | 1514   | 0.665  | ug/l # | 56  |
| 20) Methylene Chloride        | 5.259  | 84  | 7395   | 4.202  | ug/l   | 85  |
| 25) 2-Butanone                | 7.489  | 43  | 3942   | 3.358  | ug/l # | 90  |
| 31) Cyclohexane               | 8.218  | 56  | 3717   | 1.284  | ug/l # | 14  |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 12483  | 4.832  | ug/l # | 51  |
| 37) Ethyl Acetate             | 7.565  | 43  | 2829   | 0.978  | ug/l # | 88  |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 15456  | 5.312  | ug/l # | 18  |
| 42) 1,2-Dichloroethane        | 8.665  | 62  | 717    | 0.256  | ug/l # | 78  |
| 43) Isopropyl Acetate         | 8.688  | 43  | 121444 | 22.903 | ug/l # | 91  |
| 48) Methyl methacrylate       | 9.677  | 41  | 2777   | 1.161  | ug/l # | 47  |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43  | 9854   | 3.603  | ug/l # | 79  |
| 54) cis-1,3-Dichloropropene   | 10.359 | 75  | 36705  | 11.443 | ug/l # | 53  |
| 56) Ethyl methacrylate        | 10.982 | 69  | 772    | 0.235  | ug/l # | 1   |
| 57) 1,3-Dichloropropane       | 11.200 | 76  | 3338   | 1.075  | ug/l # | 43  |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63  | 728    | 0.524  | ug/l # | 48  |
| 59) 2-Hexanone                | 11.171 | 43  | 91975  | 43.465 | ug/l # | 28  |
| 68) m/p-Xylenes               | 12.065 | 106 | 1330   | 0.299  | ug/l   | 97  |
| 70) Styrene                   | 12.412 | 104 | 1801   | 0.244  | ug/l   | 92  |
| 74) N-ethyl acetate           | 12.488 | 43  | 1250   | 0.216  | ug/l # | 63  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 77732  | 24.999 | ug/l # | 1   |
| 77) Bromobenzene              | 12.976 | 156 | 814    | 0.309  | ug/l   | 85  |
| 78) n-propylbenzene           | 13.035 | 91  | 2925   | 0.214  | ug/l   | 90  |
| 79) 2-Chlorotoluene           | 13.223 | 91  | 3389   | 0.392  | ug/l   | 94  |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105 | 5539   | 0.558  | ug/l   | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 77732  | 54.378 | ug/l # | 6   |
| 82) 4-Chlorotoluene           | 13.223 | 91  | 3389   | 0.391  | ug/l   | 94  |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105 | 5653   | 0.565  | ug/l   | 88  |
| 86) p-Isopropyltoluene        | 13.723 | 119 | 2668   | 0.270  | ug/l   | 97  |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146 | 2233   | 0.451  | ug/l   | 97  |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146 | 2233   | 0.447  | ug/l   | 96  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082924\  
Data File : VN083557.D  
Acq On : 29 Aug 2024 15:37  
Operator : JC\MD  
Sample : P3727-04RE  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

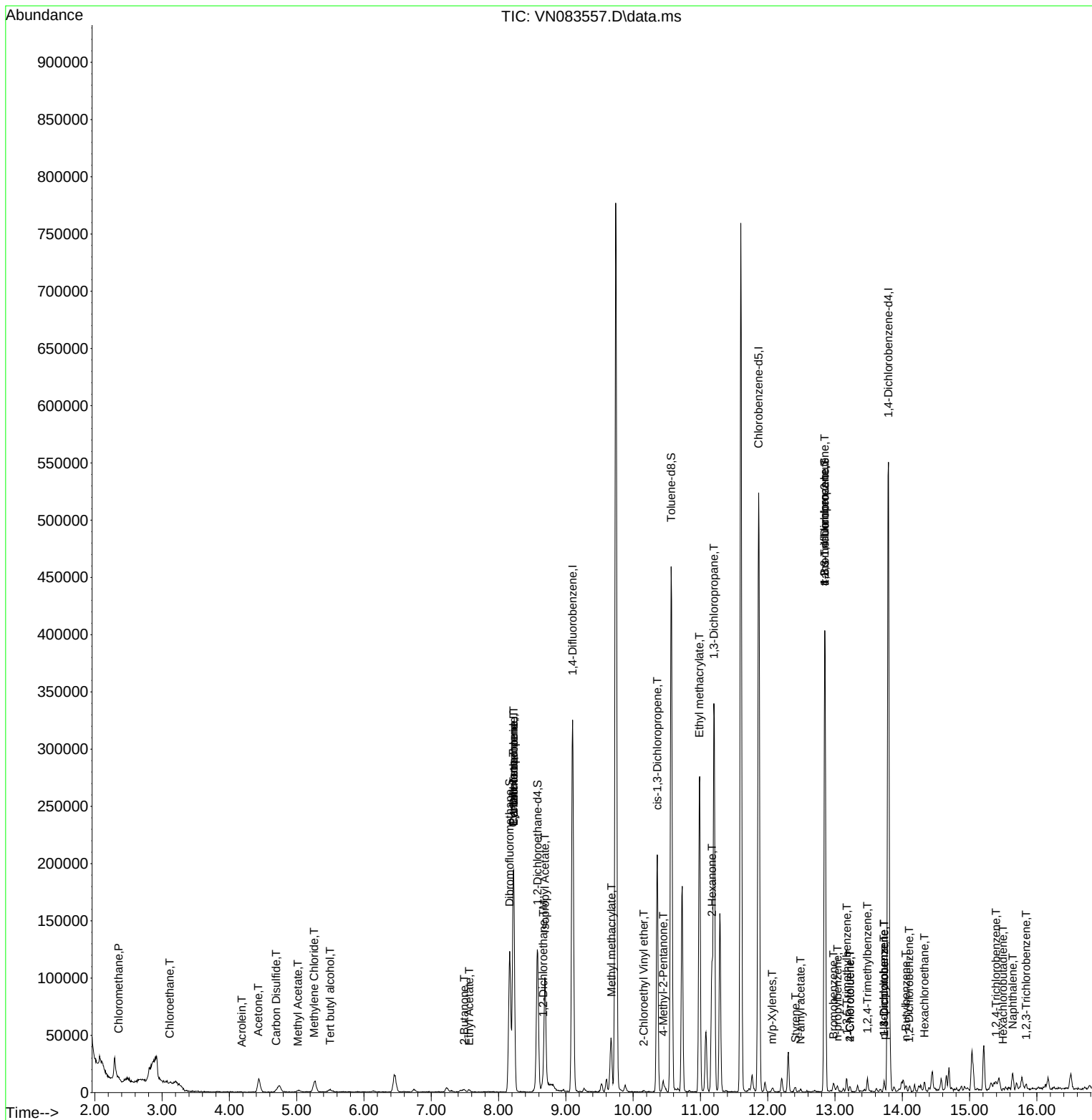
Instrument :  
MSVOA\_N  
ClientSampleId :

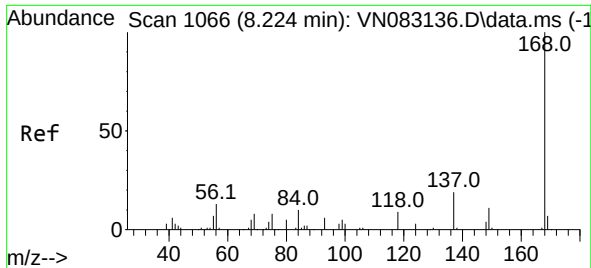
Quant Time: Aug 30 01:26:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-------|--------|----------|
| 89) n-Butylbenzene         | 14.053 | 91   | 3586     | 0.418 | ug/l   | 87       |
| 90) Hexachloroethane       | 14.329 | 117  | 666      | 0.348 | ug/l # | 14       |
| 91) 1,2-Dichlorobenzene    | 14.100 | 146  | 1665     | 0.347 | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene | 15.394 | 180  | 2010     | 0.749 | ug/l # | 29       |
| 94) Hexachlorobutadiene    | 15.494 | 225  | 247      | 0.207 | ug/l # | 32       |
| 95) Naphthalene            | 15.641 | 128  | 13950    | 1.467 | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.841 | 180  | 1912     | 0.720 | ug/l # | 67       |

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

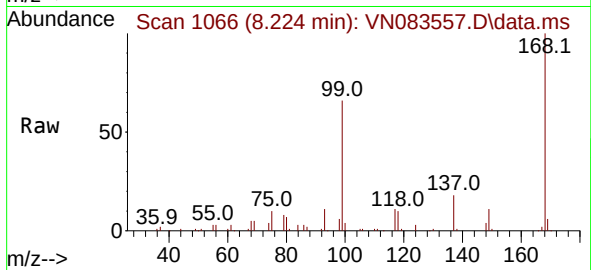
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Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
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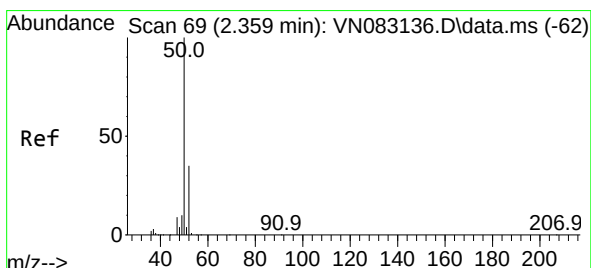
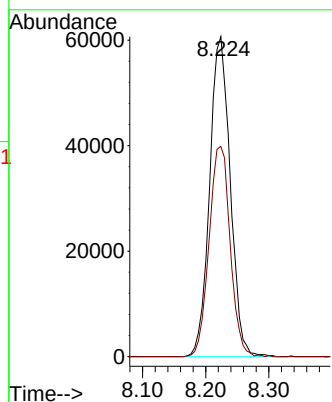
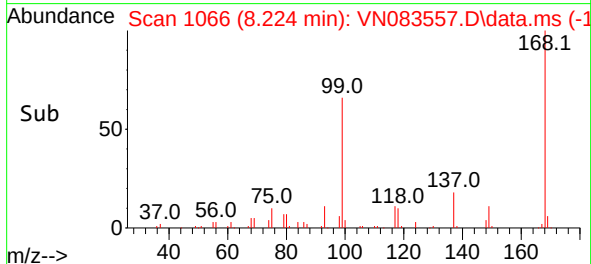


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :

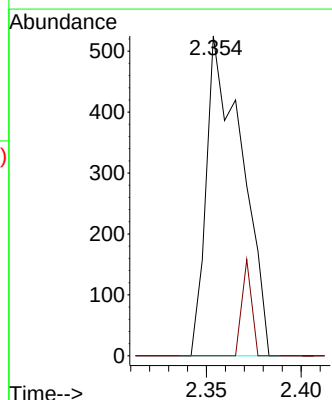
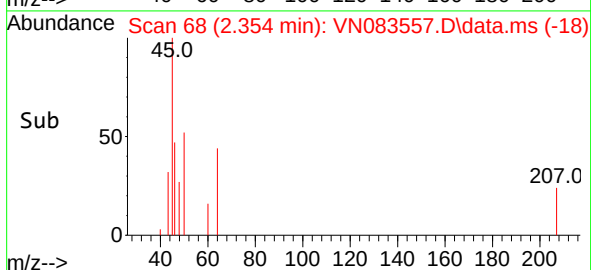
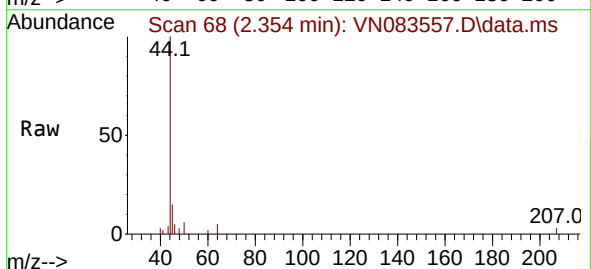


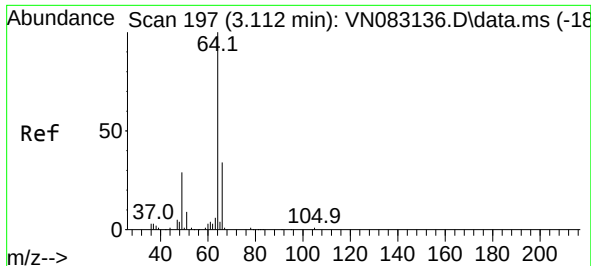
Tgt Ion:168 Resp: 137287  
Ion Ratio Lower Upper  
168 100  
99 65.7 48.2 72.4



#3  
Chloromethane  
Concen: 0.429 ug/l  
RT: 2.354 min Scan# 68  
Delta R.T. -0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 50 Resp: 684  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#

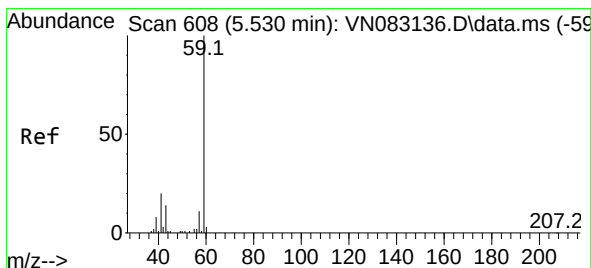
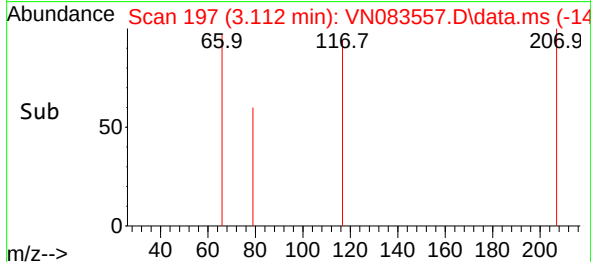
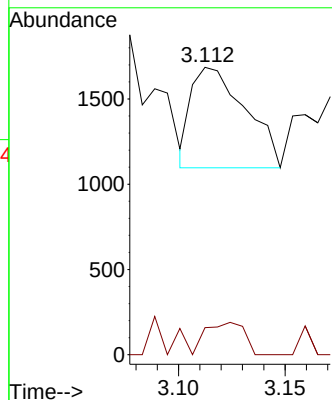
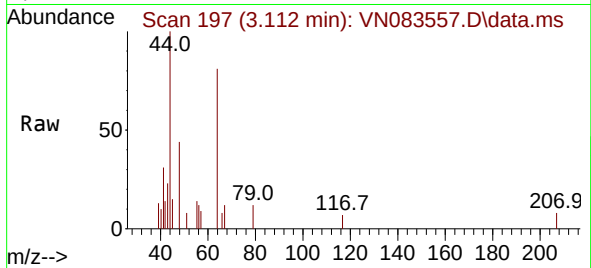




#6  
Chloroethane  
Concen: 1.031 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

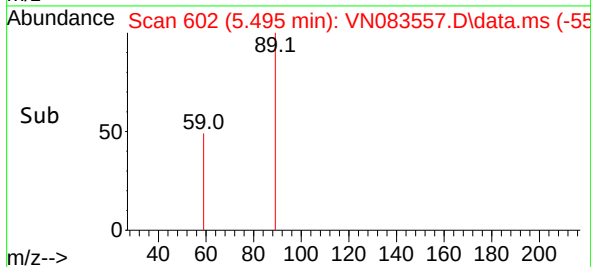
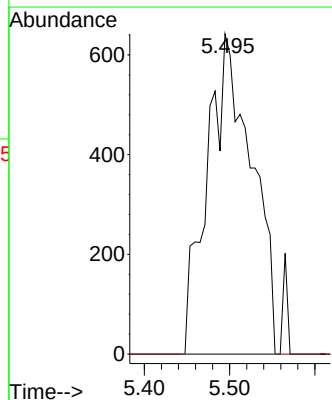
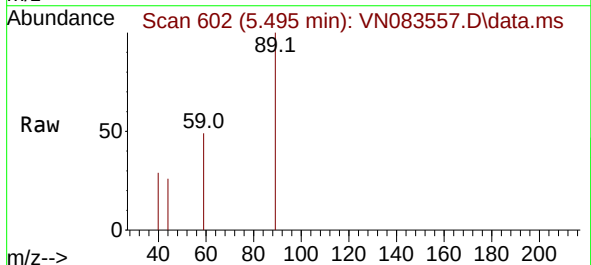
Instrument :  
MSVOA\_N  
ClientSampleId :

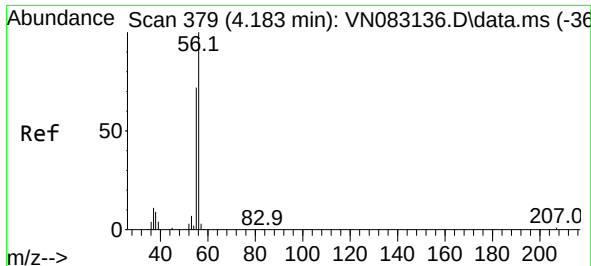
Tgt Ion: 64 Resp: 1049  
Ion Ratio Lower Upper  
64 100  
66 26.9 26.6 40.0



#11  
Tert butyl alcohol  
Concen: 5.750 ug/l  
RT: 5.495 min Scan# 602  
Delta R.T. -0.035 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 59 Resp: 2335  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#

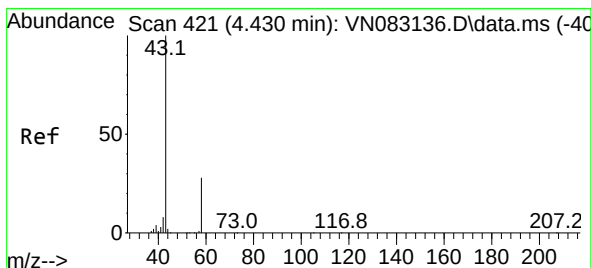
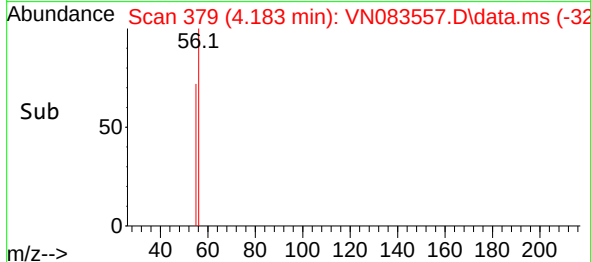
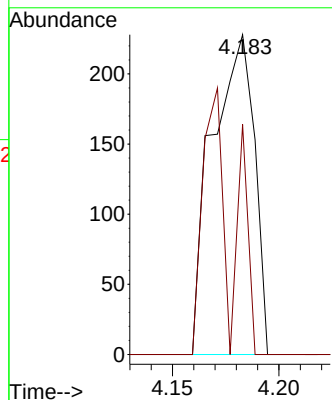
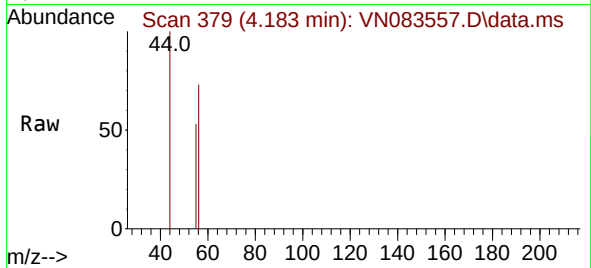




#13  
Acrolein  
Concen: 1.186 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

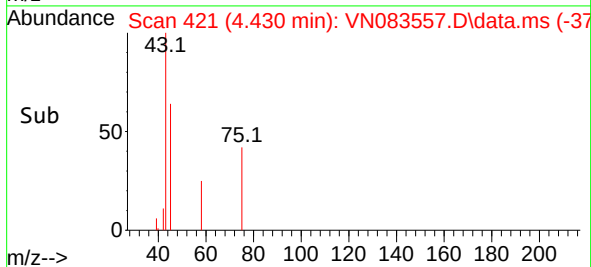
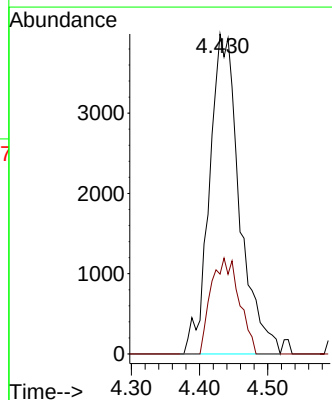
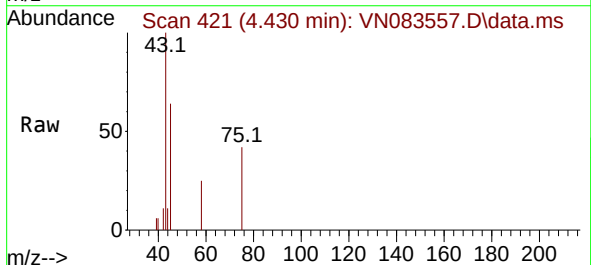
Instrument :  
MSVOA\_N  
ClientSampleId :

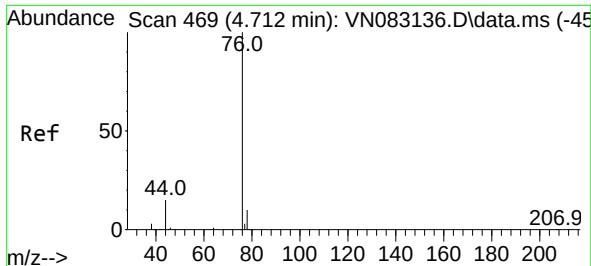
Tgt Ion: 56 Resp: 314  
Ion Ratio Lower Upper  
56 100  
55 57.0 56.4 84.6



#16  
Acetone  
Concen: 16.010 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

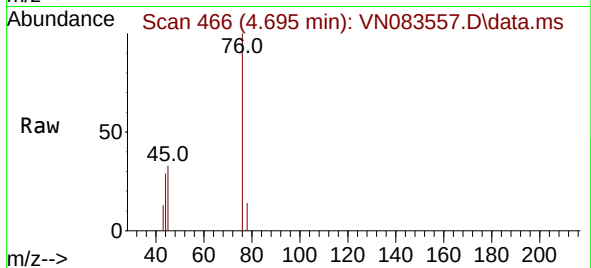
Tgt Ion: 43 Resp: 12242  
Ion Ratio Lower Upper  
43 100  
58 25.0 21.8 32.6



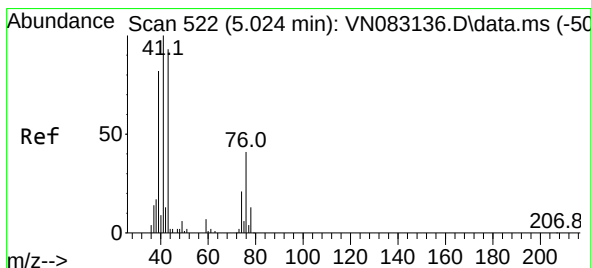
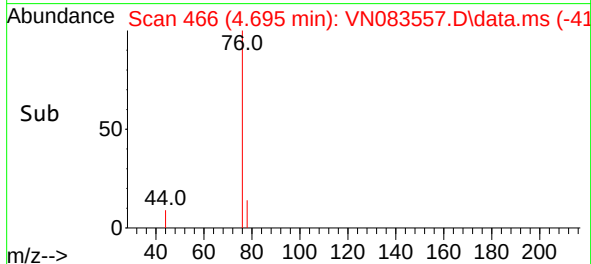
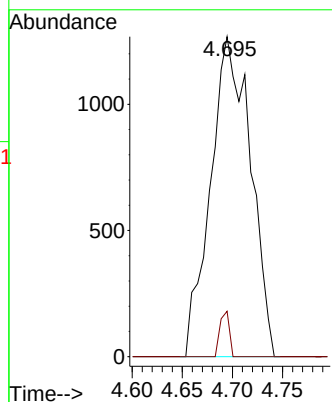


#17  
Carbon Disulfide  
Concen: 0.789 ug/l  
RT: 4.695 min Scan# 41  
Delta R.T. -0.018 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :

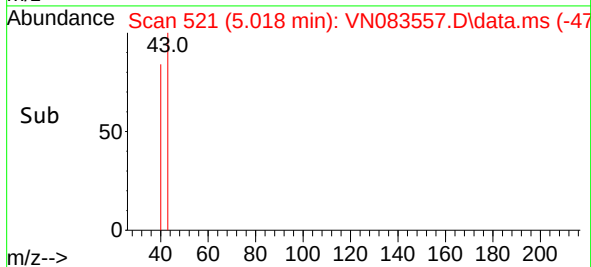
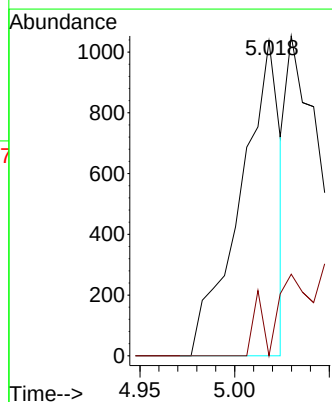
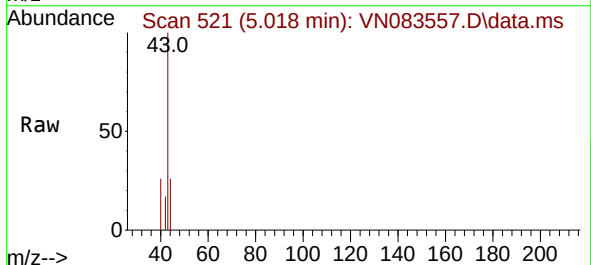


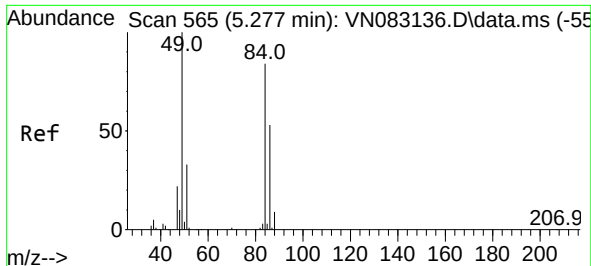
Tgt Ion: 76 Resp: 3512  
Ion Ratio Lower Upper  
76 100  
78 14.2 7.2 10.8#



#18  
Methyl Acetate  
Concen: 0.665 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

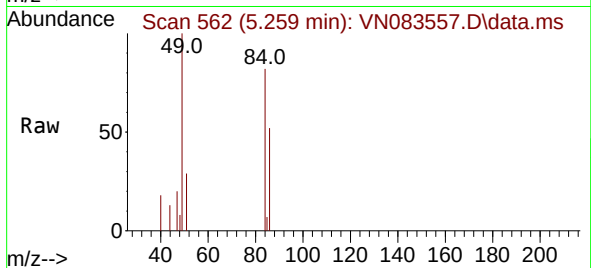
Tgt Ion: 43 Resp: 1514  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.3 24.5#



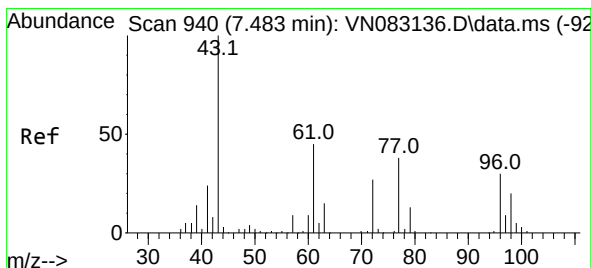
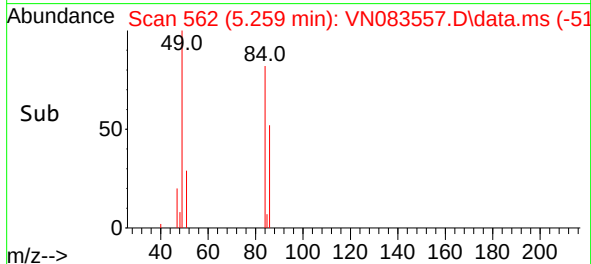
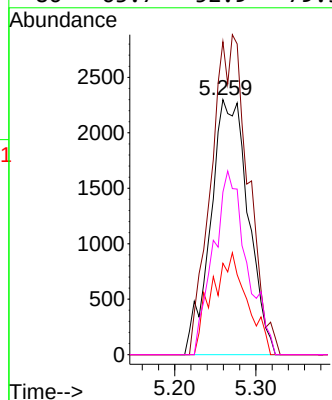


#20  
Methylene Chloride  
Concen: 4.202 ug/l  
RT: 5.259 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :

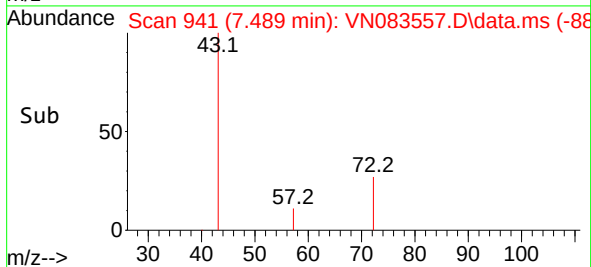
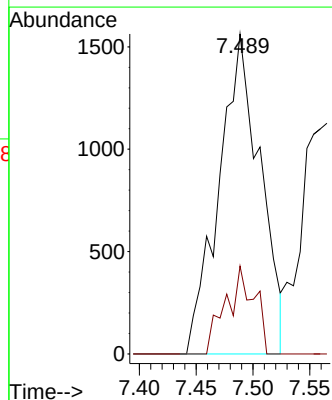
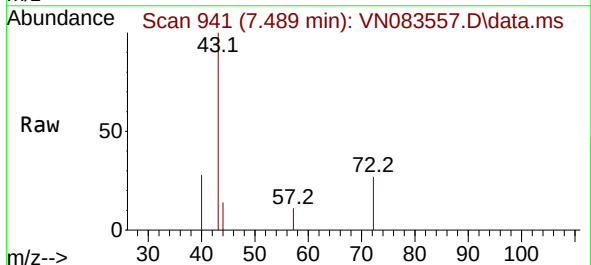


Tgt Ion: 84 Resp: 7395  
Ion Ratio Lower Upper  
84 100  
49 122.7 119.6 179.4  
51 35.8 34.8 52.2  
86 63.7 52.9 79.3

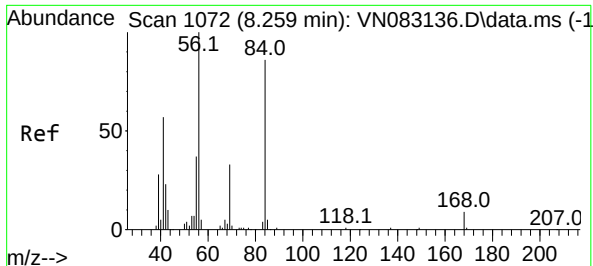


#25  
2-Butanone  
Concen: 3.358 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 43 Resp: 3942  
Ion Ratio Lower Upper  
43 100  
72 27.4 18.2 27.2#

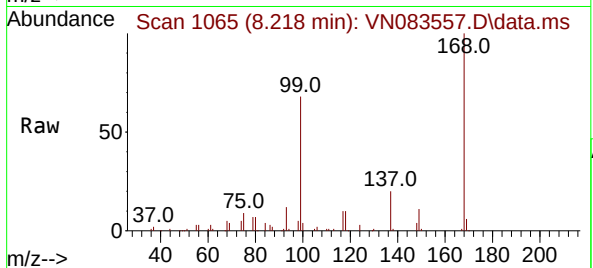




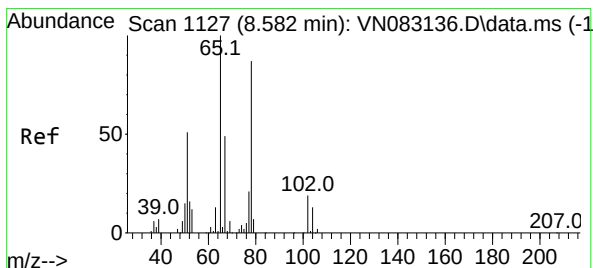
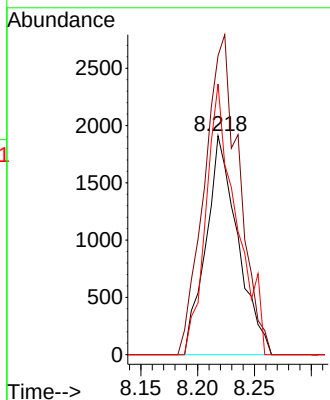
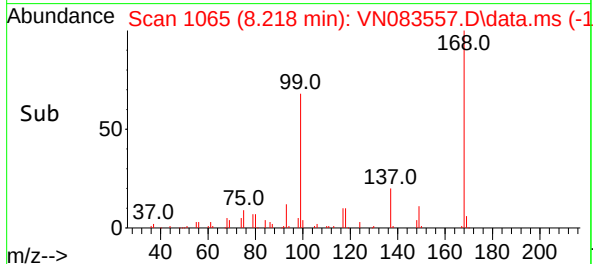


#31  
Cyclohexane  
Concen: 1.284 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.041 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :

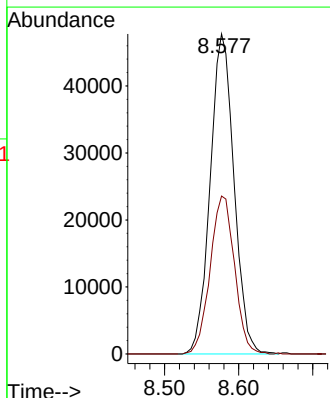
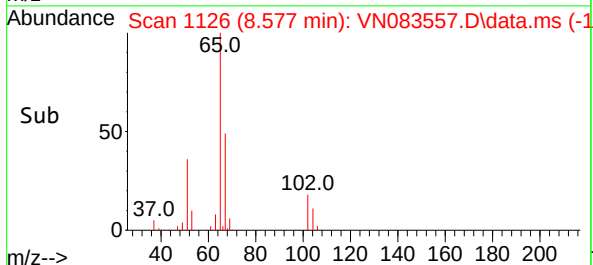
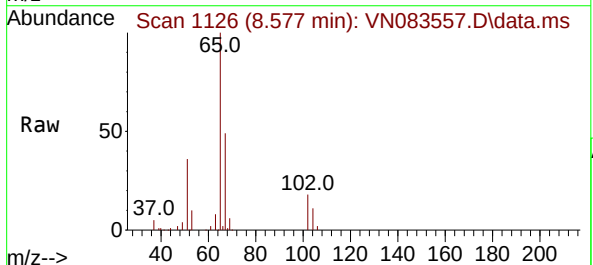


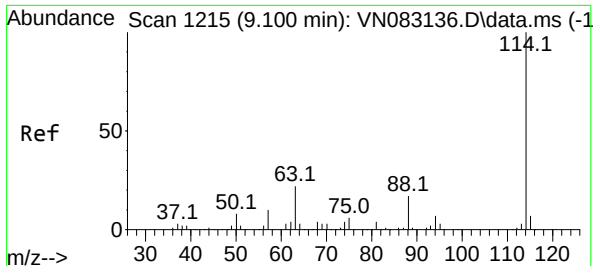
Tgt Ion: 56 Resp: 3717  
Ion Ratio Lower Upper  
56 100  
69 136.5 24.5 36.7#  
84 123.5 66.0 99.0#



#33  
1,2-Dichloroethane-d4  
Concen: 54.526 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.005 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 65 Resp: 106551  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

ClientSampleId :

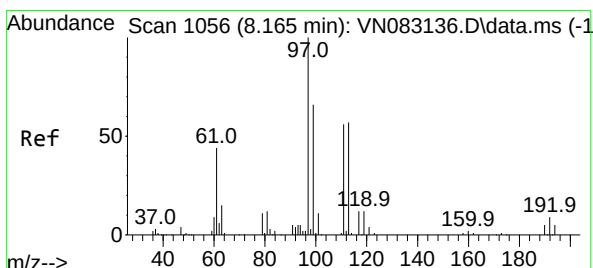
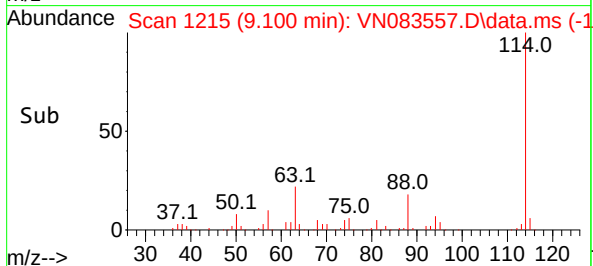
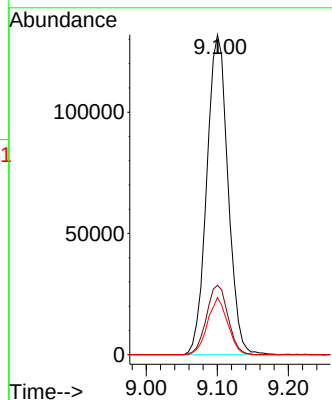
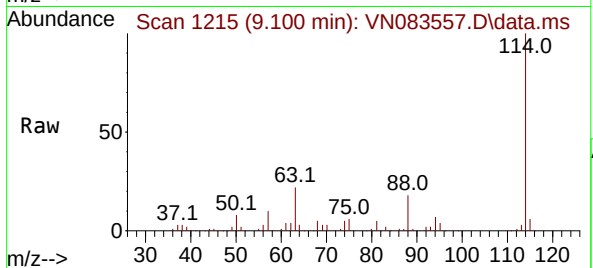
Tgt Ion:114 Resp: 273598

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 17.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.606 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

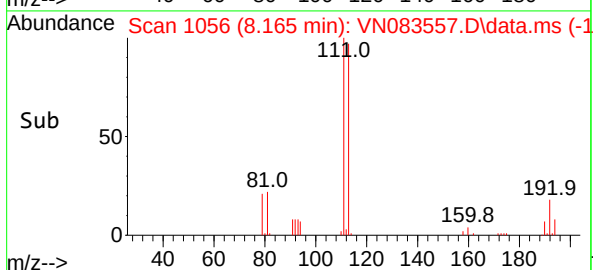
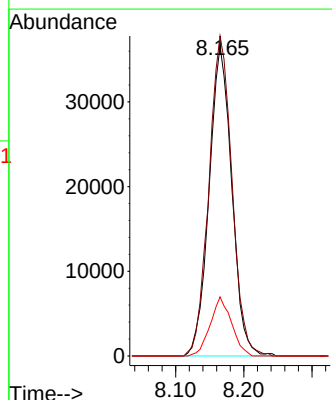
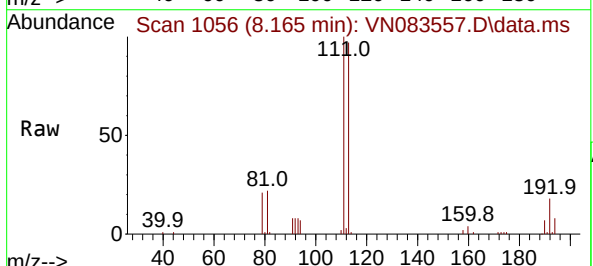
Tgt Ion:113 Resp: 84715

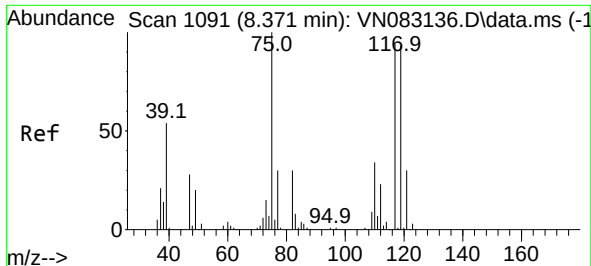
Ion Ratio Lower Upper

113 100

111 105.1 82.4 123.6

192 17.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.832 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

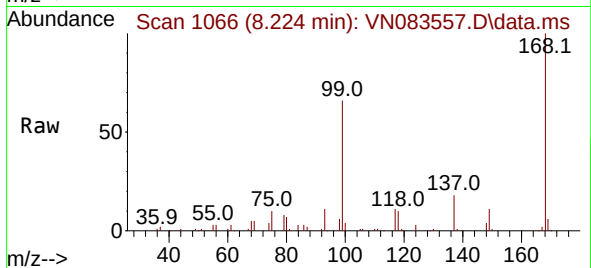
Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

ClientSampleId :



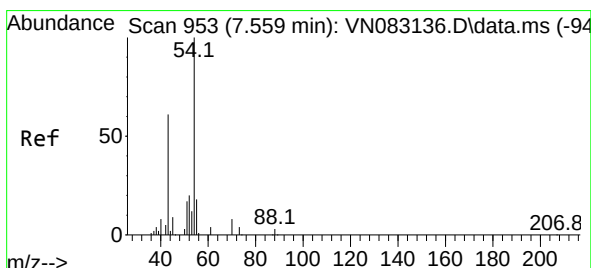
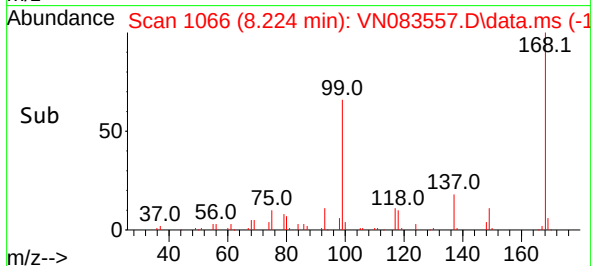
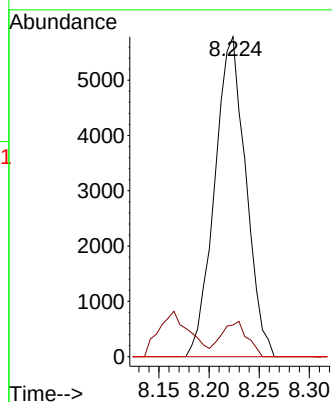
Tgt Ion: 75 Resp: 12483

Ion Ratio Lower Upper

75 100

110 9.1 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.978 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

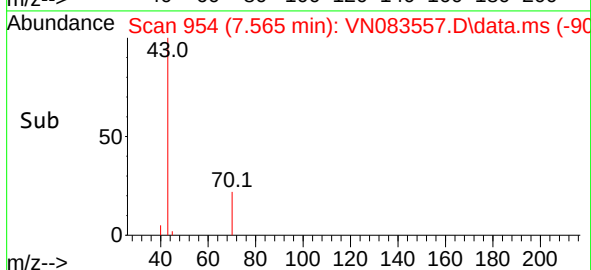
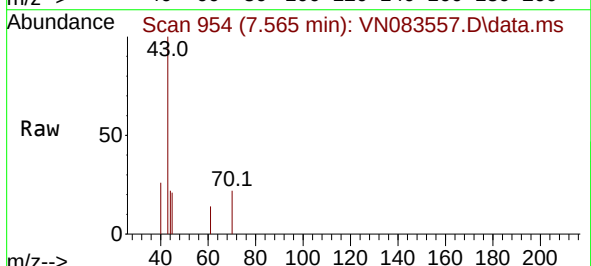
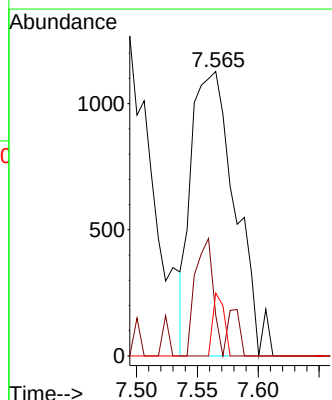
Tgt Ion: 43 Resp: 2829

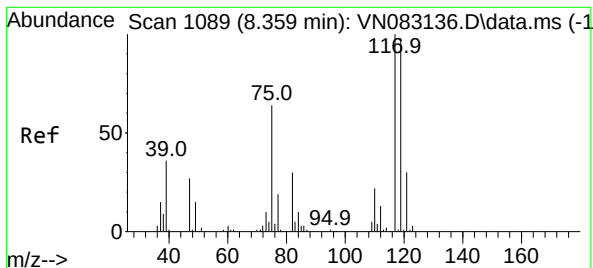
Ion Ratio Lower Upper

43 100

61 16.9 9.3 13.9#

70 5.6 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.312 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

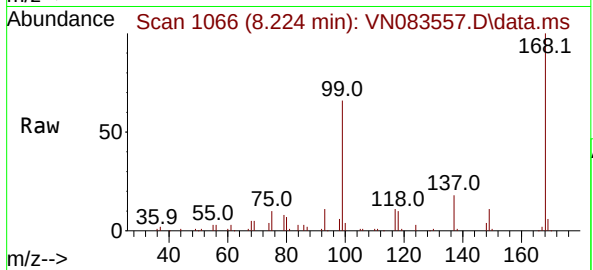
Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

ClientSampleId :



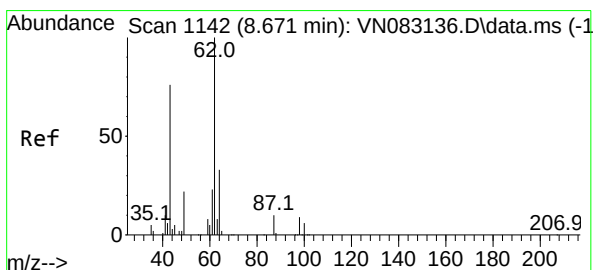
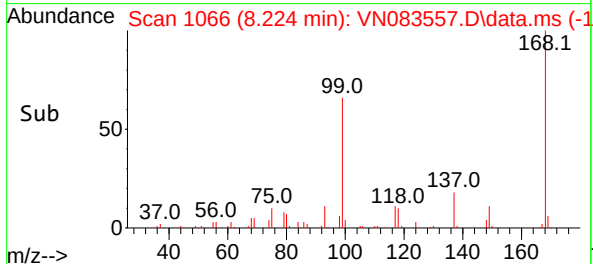
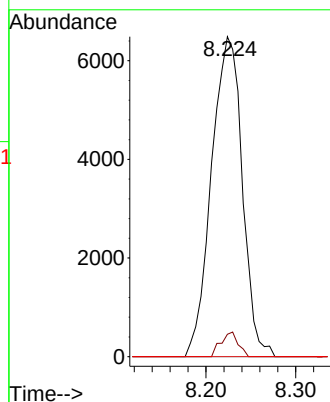
Tgt Ion:117 Resp: 15456

Ion Ratio Lower Upper

117 100

119 7.0 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.256 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

Lab File: VN083557.D

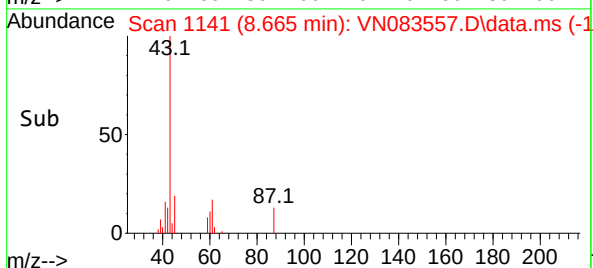
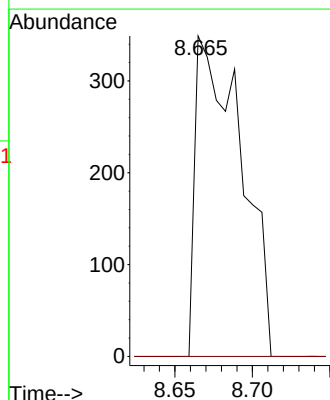
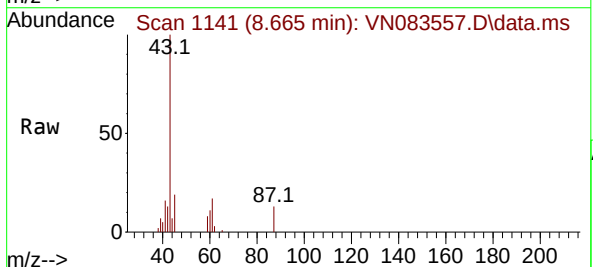
Acq: 29 Aug 2024 15:37

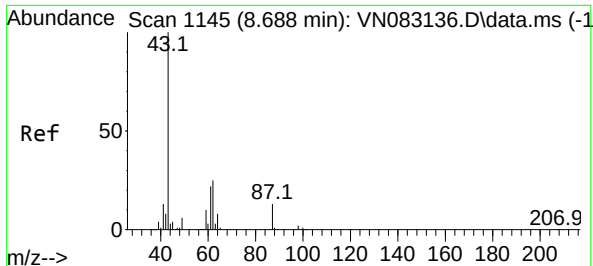
Tgt Ion: 62 Resp: 717

Ion Ratio Lower Upper

62 100

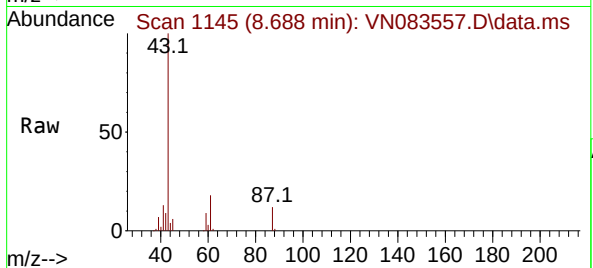
98 0.0 0.0 15.8



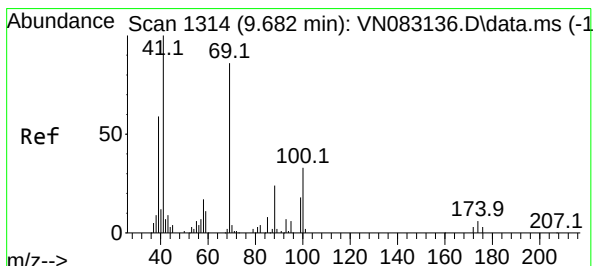
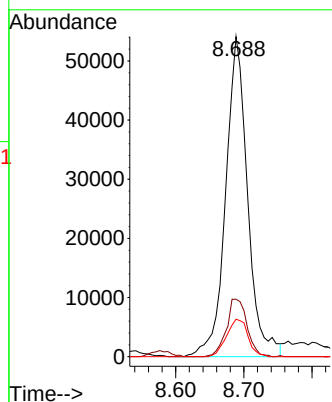
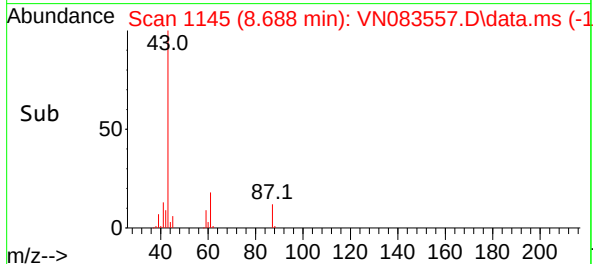


#43  
Isopropyl Acetate  
Concen: 22.903 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :

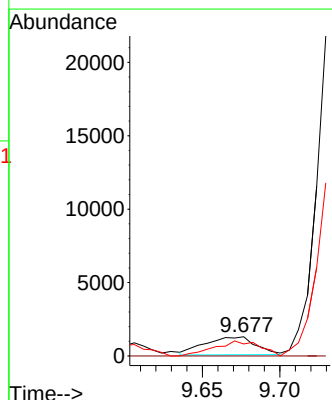
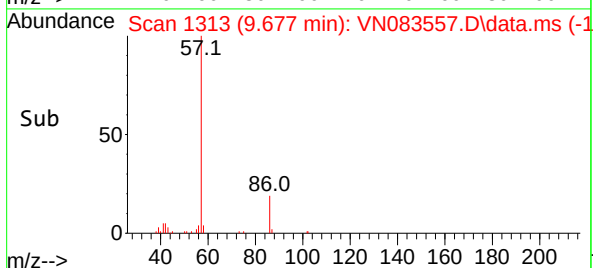
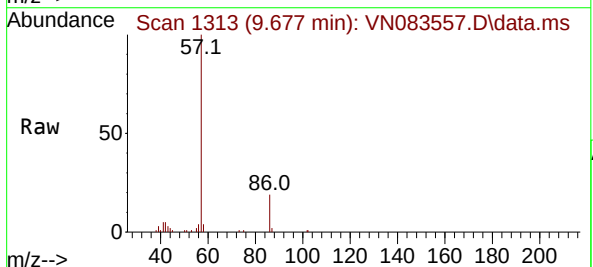


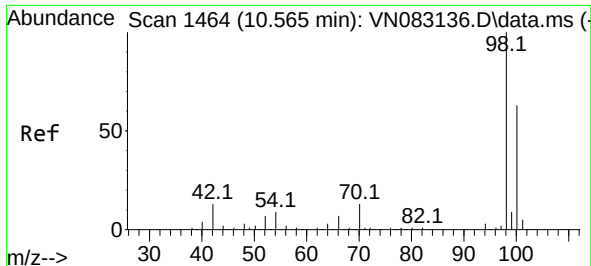
Tgt Ion: 43 Resp: 121444  
Ion Ratio Lower Upper  
43 100  
61 16.8 17.8 26.6#  
87 11.4 8.2 12.2



#48  
Methyl methacrylate  
Concen: 1.161 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 41 Resp: 2777  
Ion Ratio Lower Upper  
41 100  
69 0.0 56.3 84.5#  
39 75.0 50.3 75.5

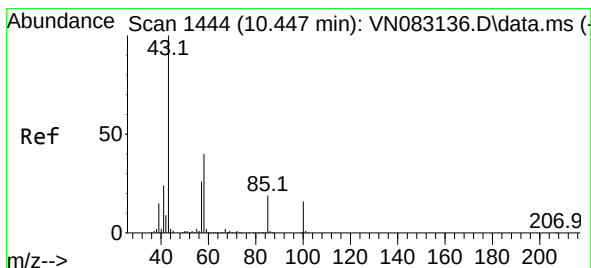
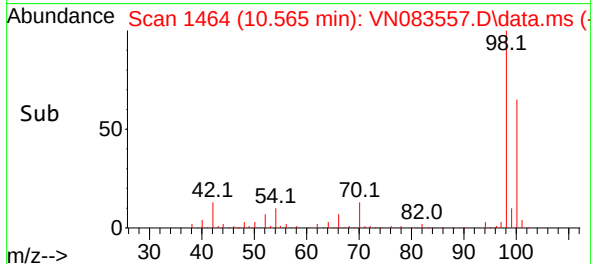
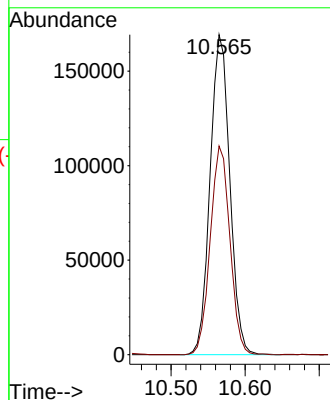
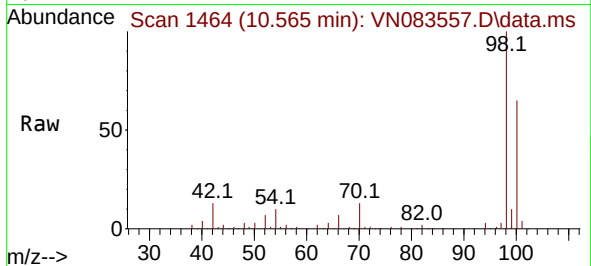




#50  
Toluene-d8  
Concen: 49.000 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

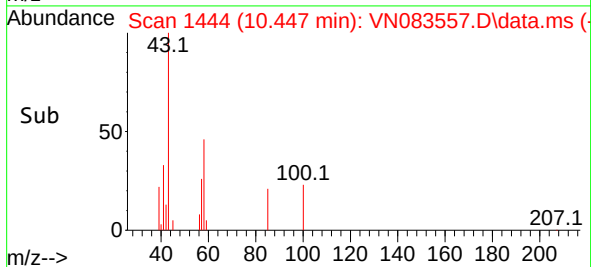
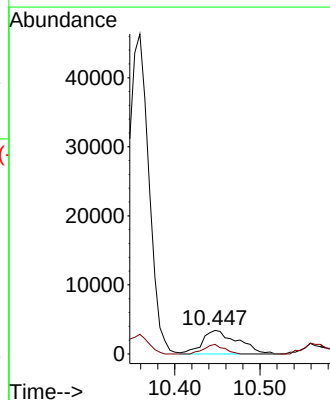
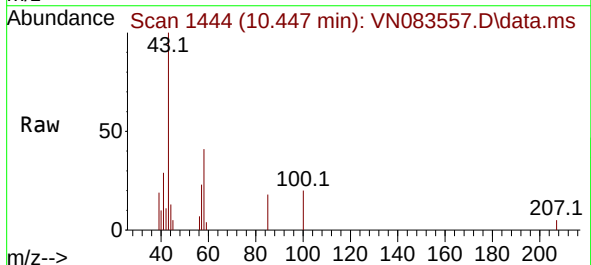
Instrument :  
MSVOA\_N  
ClientSampleId :

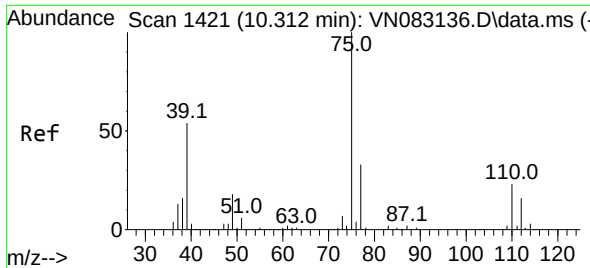
Tgt Ion: 98 Resp: 312145  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 3.603 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 43 Resp: 9854  
Ion Ratio Lower Upper  
43 100  
58 22.9 28.2 42.4#

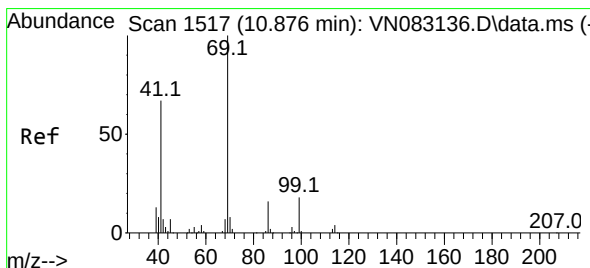
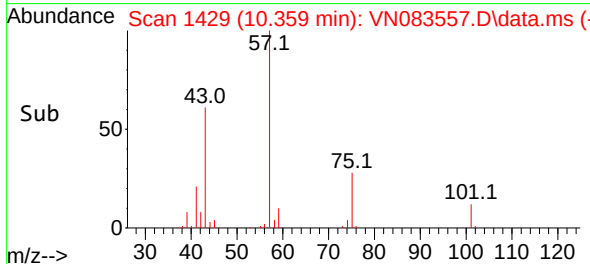
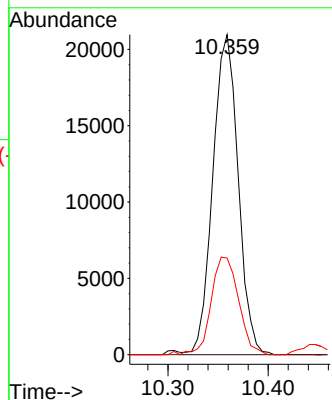
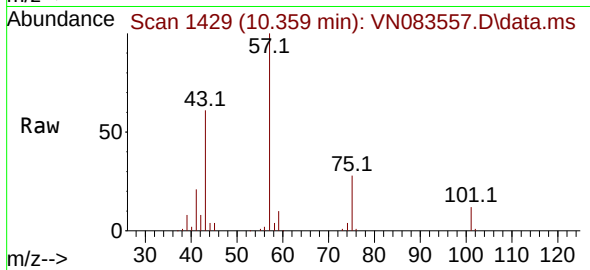




#54  
cis-1,3-Dichloropropene  
Concen: 11.443 ug/l  
RT: 10.359 min Scan# 1429  
Delta R.T. 0.047 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

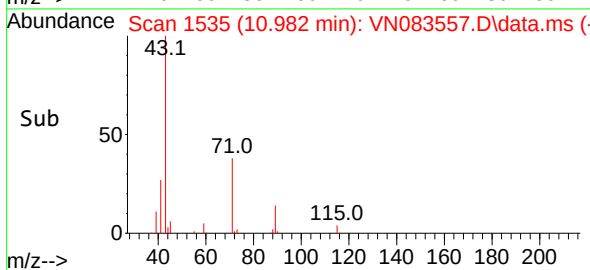
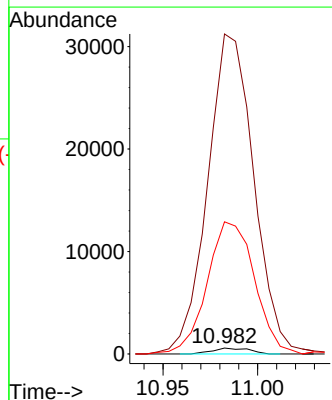
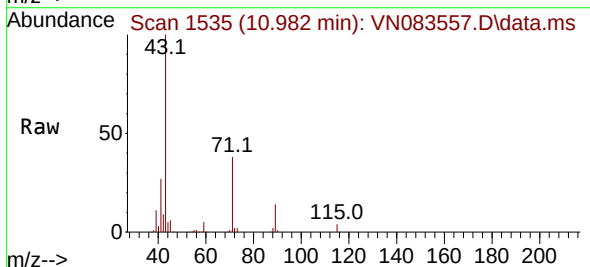
Instrument :  
MSVOA\_N  
ClientSampleId :

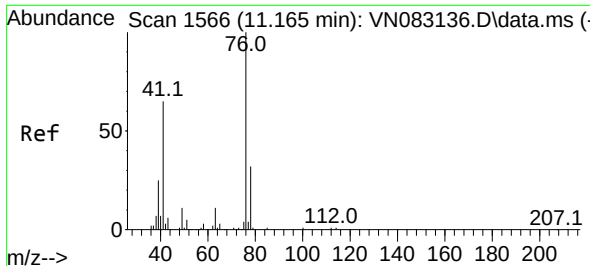
Tgt Ion: 75 Resp: 36705  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.3 36.5#  
39 30.2 50.5 75.7#



#56  
Ethyl methacrylate  
Concen: 0.235 ug/l  
RT: 10.982 min Scan# 1535  
Delta R.T. 0.106 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 69 Resp: 772  
Ion Ratio Lower Upper  
69 100  
41 6898.8 63.4 95.2#  
39 2907.0 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.075 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

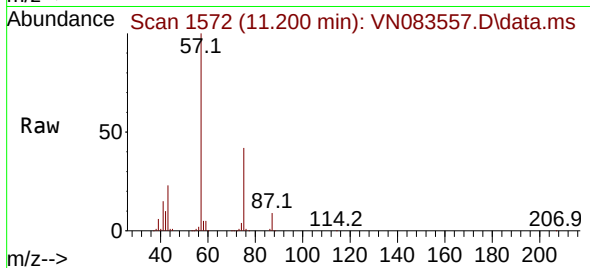
Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

ClientSampleId :

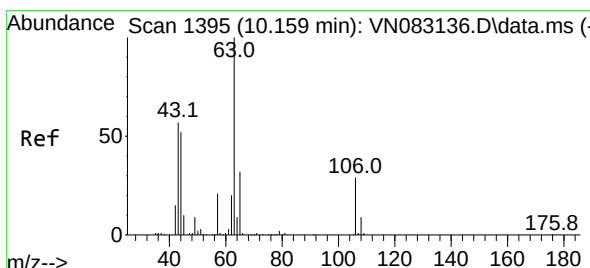
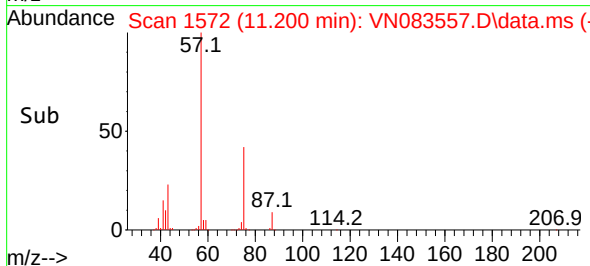
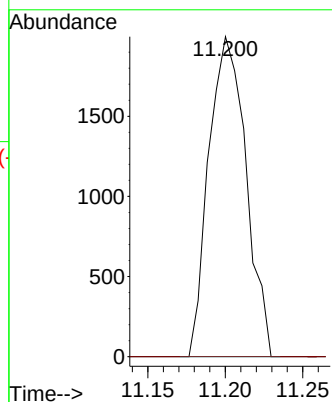


Tgt Ion: 76 Resp: 3338

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#58

2-Chloroethyl Vinyl ether

Concen: 0.524 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083557.D

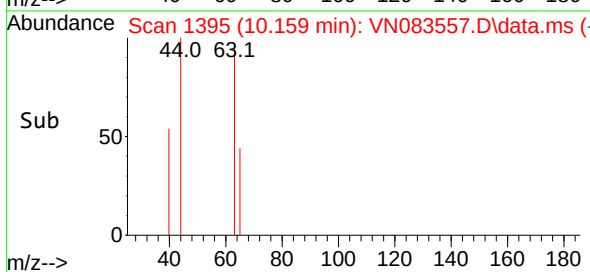
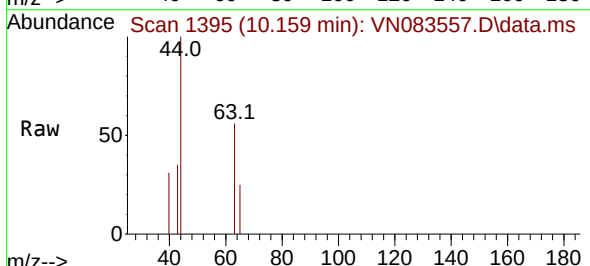
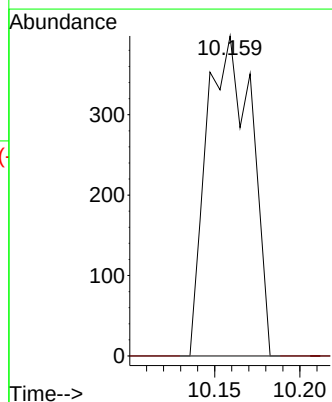
Acq: 29 Aug 2024 15:37

Tgt Ion: 63 Resp: 728

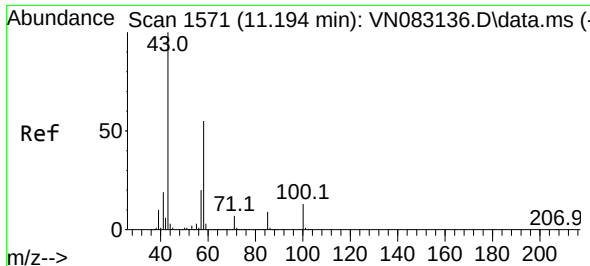
Ion Ratio Lower Upper

63 100

106 0.0 21.4 32.0#



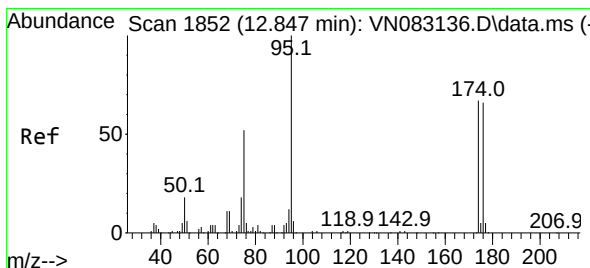
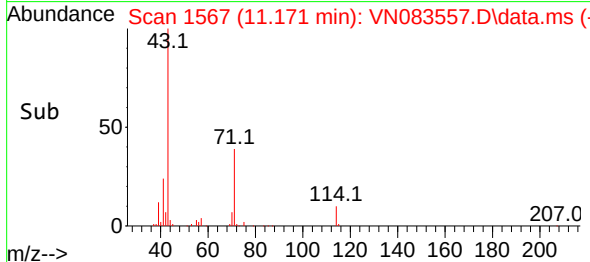
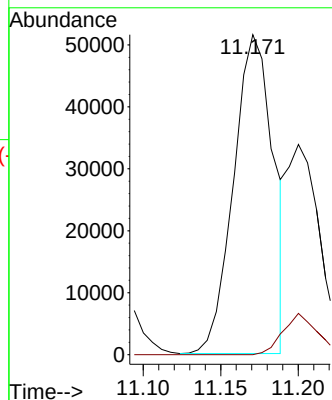
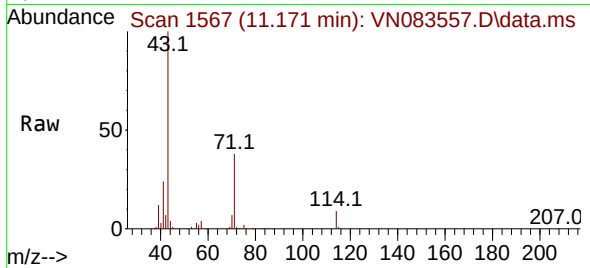




#59  
2-Hexanone  
Concen: 43.465 ug/l  
RT: 11.171 min Scan# 1567  
Delta R.T. -0.023 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

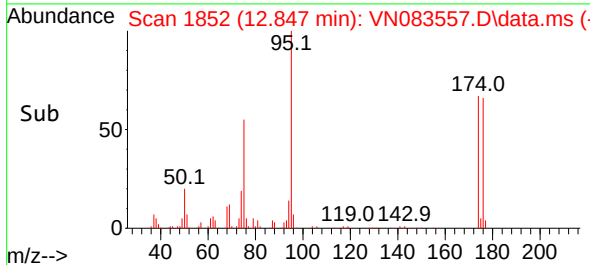
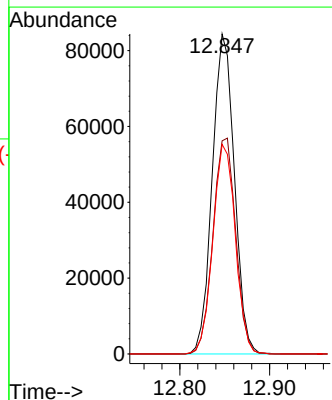
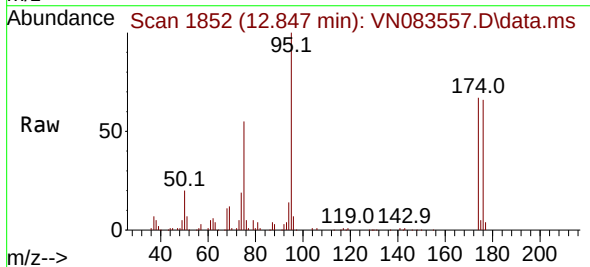
Instrument :  
MSVOA\_N  
ClientSampleId :

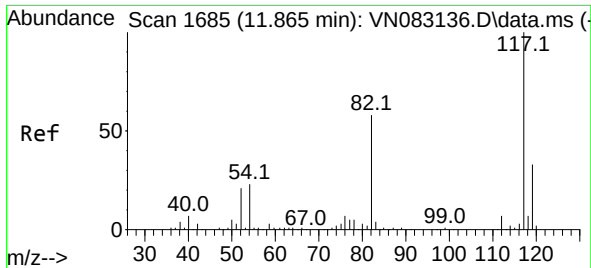
Tgt Ion: 43 Resp: 91975  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.6 73.8#



#62  
4-Bromofluorobenzene  
Concen: 58.098 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 95 Resp: 144287  
Ion Ratio Lower Upper  
95 100  
174 69.4 0.0 159.2  
176 66.7 0.0 147.6

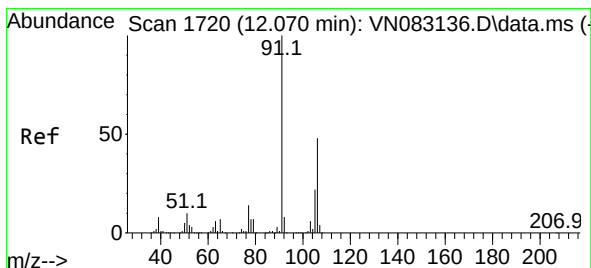
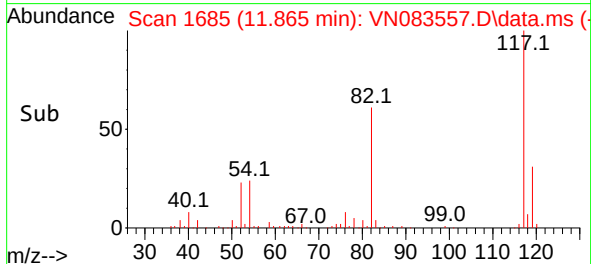
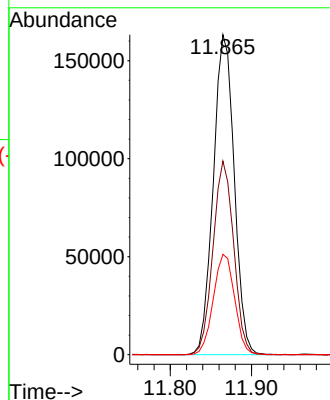
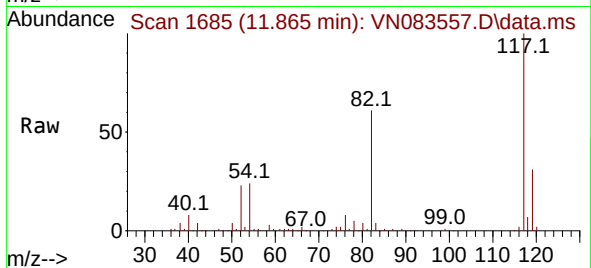




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11719  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

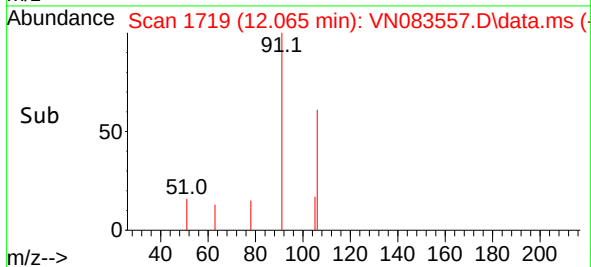
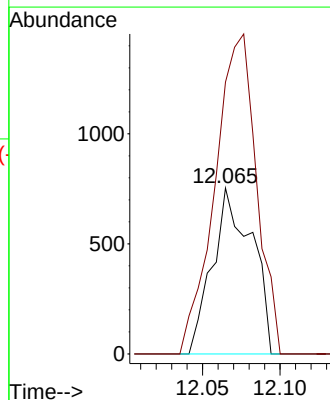
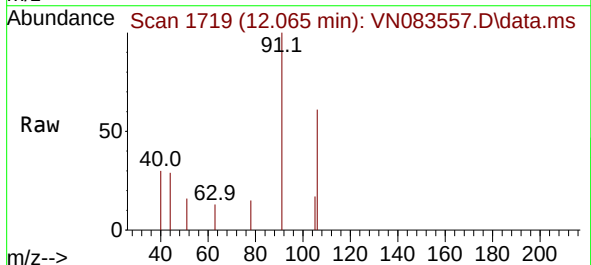
Instrument :  
MSVOA\_N  
ClientSampleId :

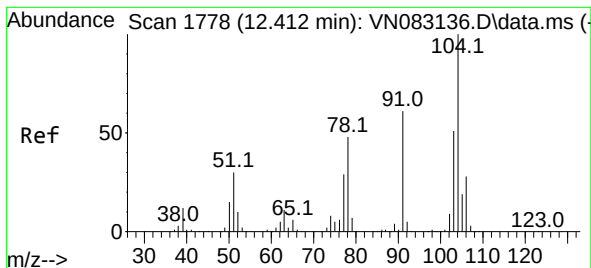
Tgt Ion:117 Resp: 292994  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.5 71.3  
119 31.4 25.6 38.4



#68  
m/p-Xylenes  
Concen: 0.299 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion:106 Resp: 1330  
Ion Ratio Lower Upper  
106 100  
91 203.6 166.1 249.1





#70

Styrene

Concen: 0.244 ug/l

RT: 12.412 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

ClientSampleId :

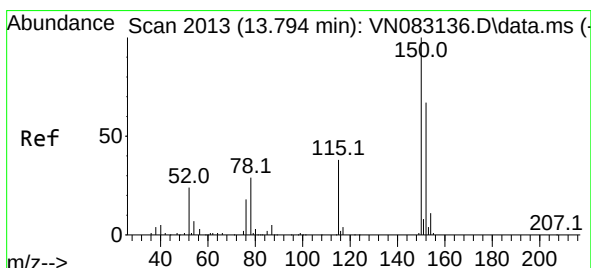
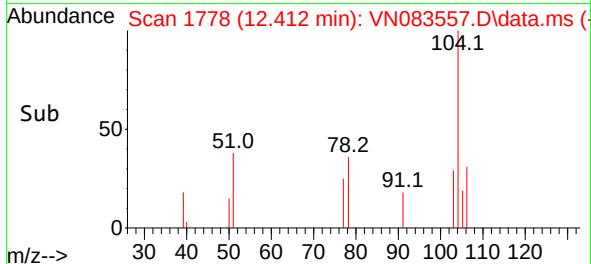
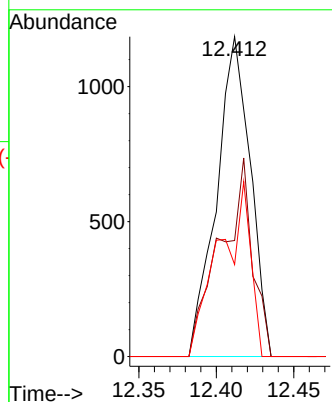
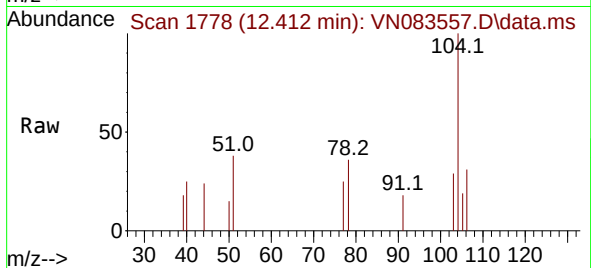
Tgt Ion:104 Resp: 1801

Ion Ratio Lower Upper

104 100

78 58.5 41.6 62.4

103 50.7 44.0 66.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

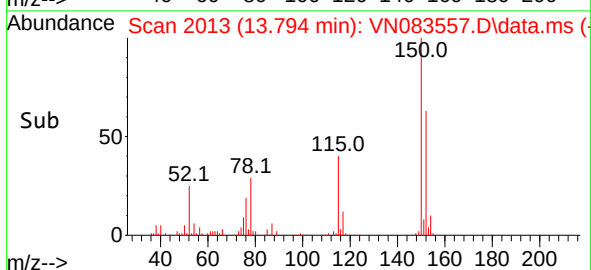
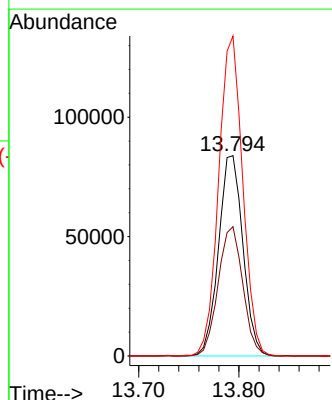
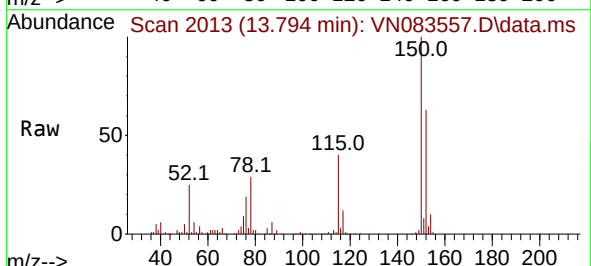
Tgt Ion:152 Resp: 141676

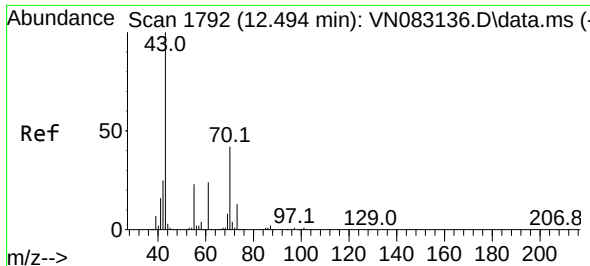
Ion Ratio Lower Upper

152 100

115 65.3 30.6 91.6

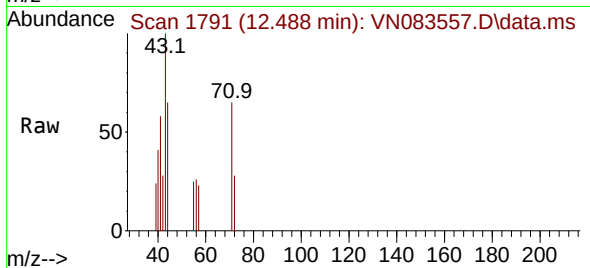
150 157.4 0.0 348.6



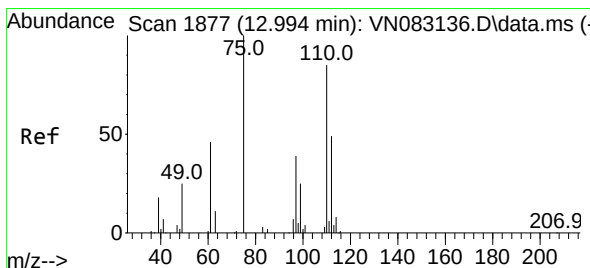
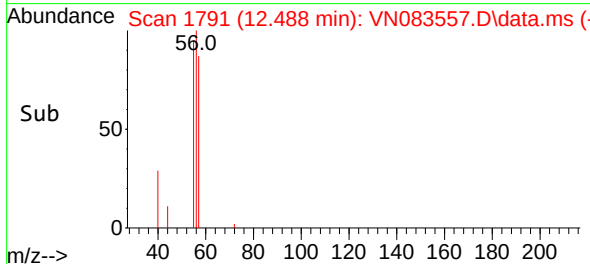
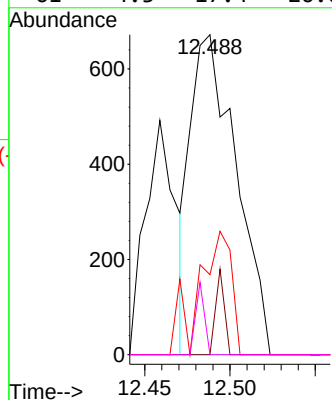


#74  
N-amy1 acetate  
Concen: 0.216 ug/l  
RT: 12.488 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :

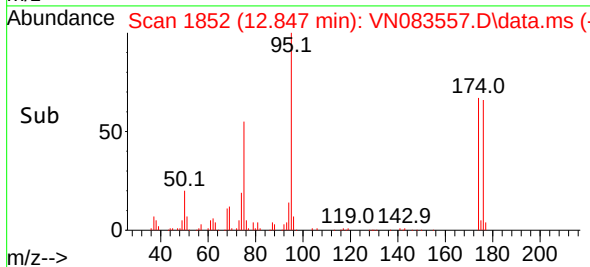
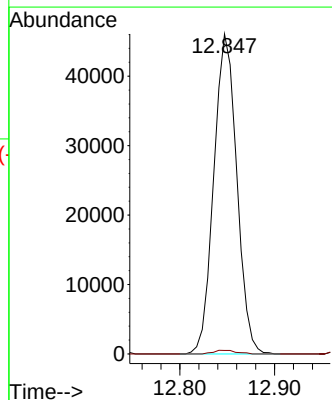
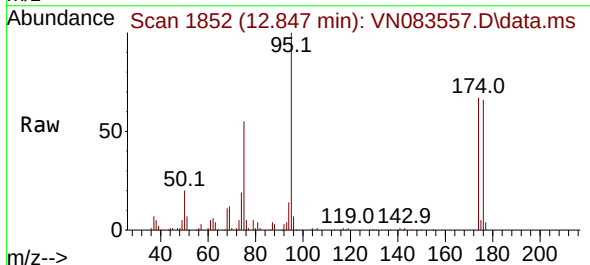


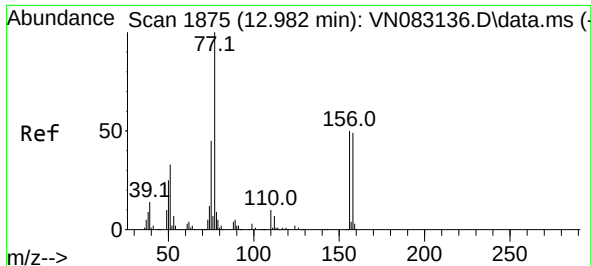
|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 1250     |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 70          | 5.0 29.8 44.6# |
| 55          | 28.1 18.7 28.1 |
| 61          | 4.3 17.4 26.0# |



#76  
1,2,3-Trichloropropane  
Concen: 24.999 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

|             |                  |
|-------------|------------------|
| Tgt Ion: 75 | Resp: 77732      |
| Ion Ratio   | Lower Upper      |
| 75          | 100              |
| 77          | 1.1 110.9 332.6# |

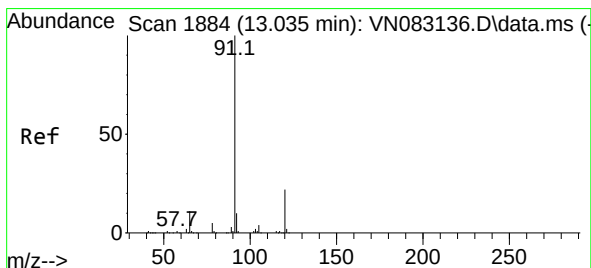
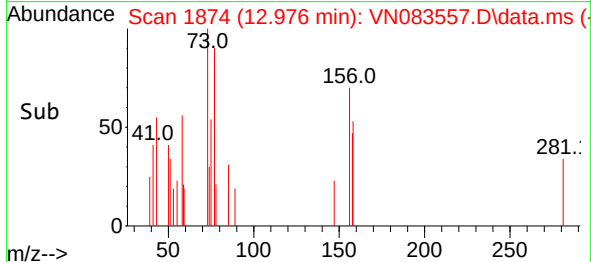
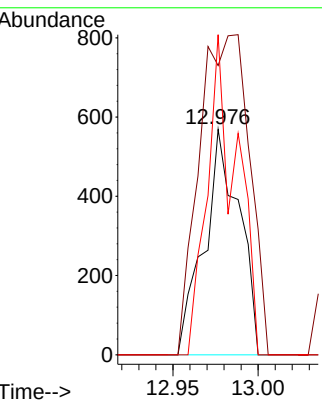
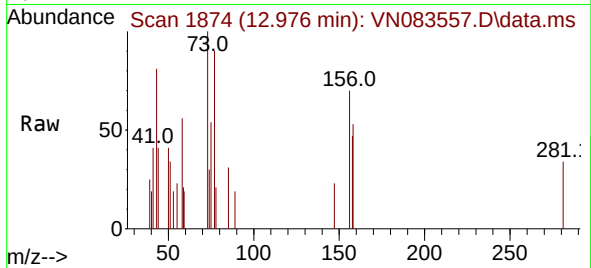




#77  
Bromobenzene  
Concen: 0.309 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

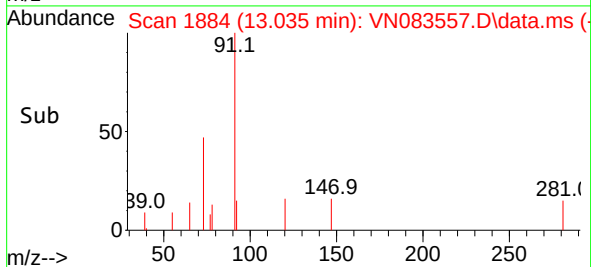
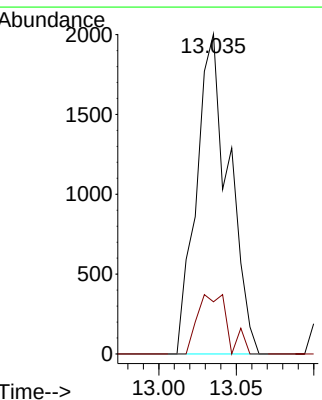
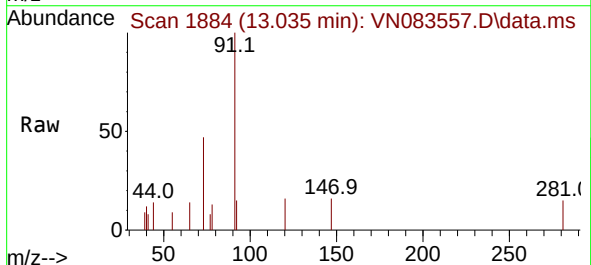
Instrument :  
MSVOA\_N  
ClientSampleId :

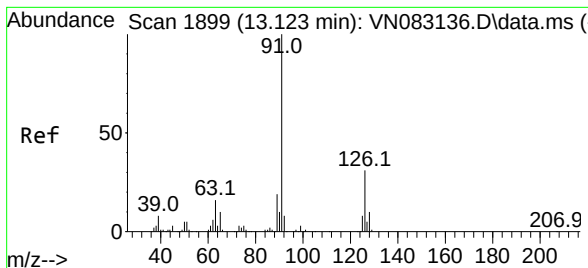
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 203.3 | 111.3 | 333.8 |
| 158     | 120.0 | 48.3  | 144.9 |



#78  
n-propylbenzene  
Concen: 0.214 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 17.3  | 10.9  | 32.9  |





#79

2-Chlorotoluene

Concen: 0.392 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.100 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

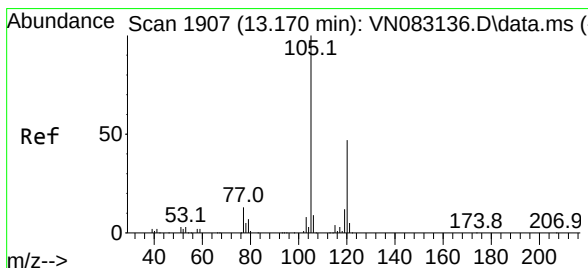
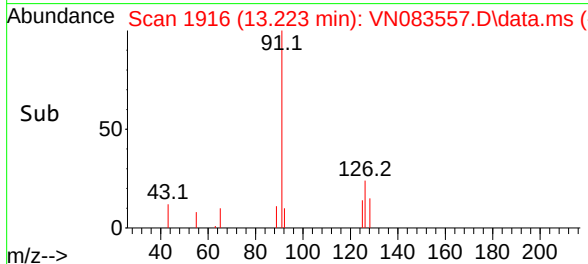
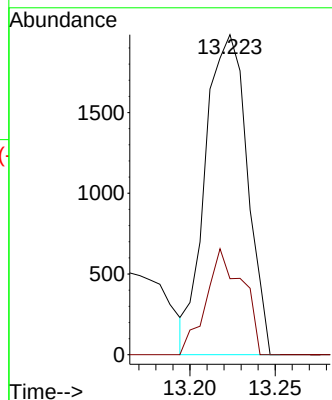
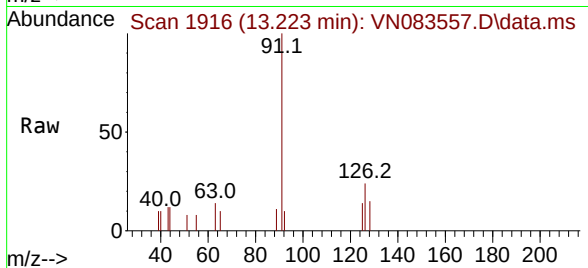
ClientSampleId :

Tgt Ion: 91 Resp: 3389

Ion Ratio Lower Upper

91 100

126 28.8 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 0.558 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VN083557.D

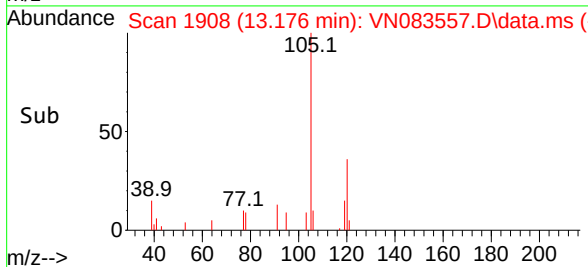
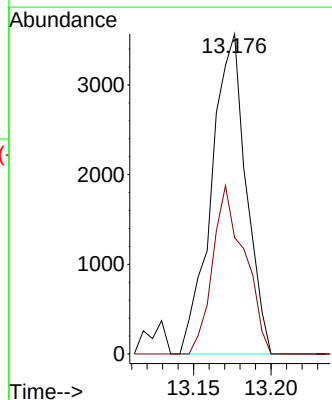
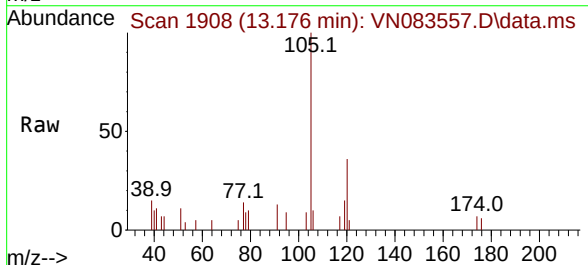
Acq: 29 Aug 2024 15:37

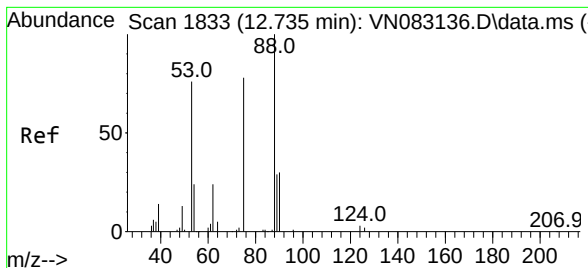
Tgt Ion: 105 Resp: 5539

Ion Ratio Lower Upper

105 100

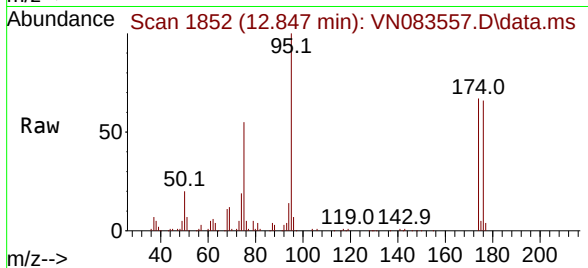
120 48.5 24.3 72.8



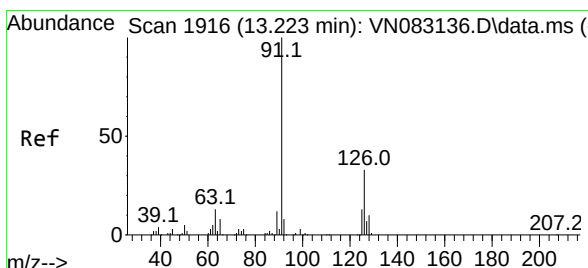
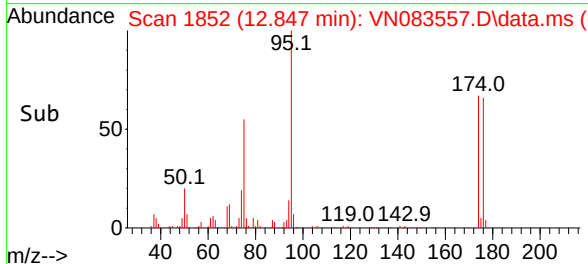
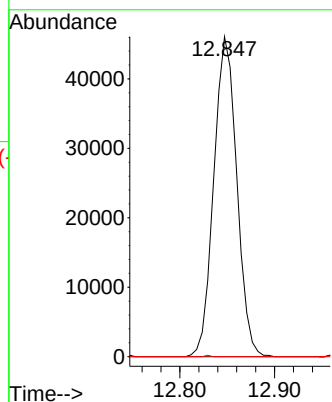


#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.378 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :

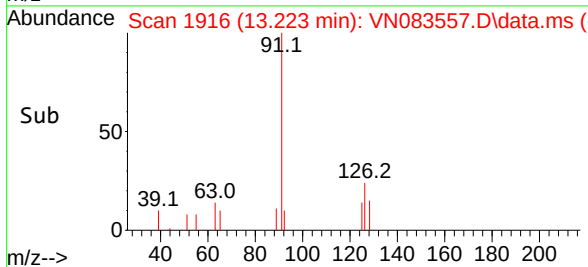
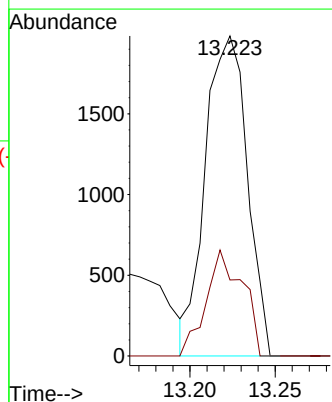
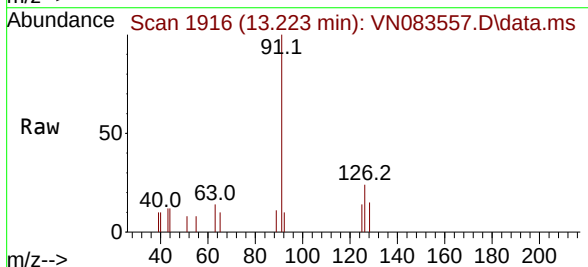


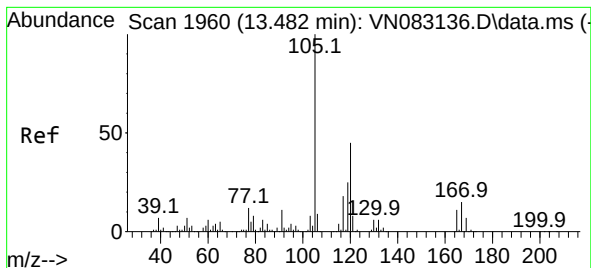
Tgt Ion: 75 Resp: 77732  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.4 132.6#  
89 0.1 36.3 54.5#



#82  
4-Chlorotoluene  
Concen: 0.391 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

Tgt Ion: 91 Resp: 3389  
Ion Ratio Lower Upper  
91 100  
126 28.8 16.2 48.6





#84

1,2,4-Trimethylbenzene

Concen: 0.565 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

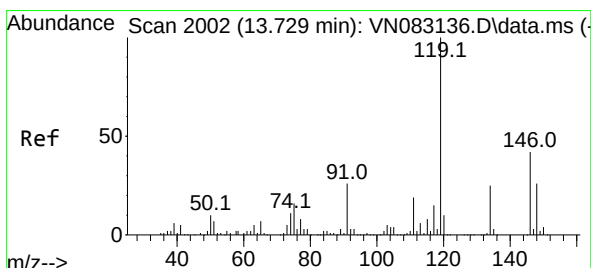
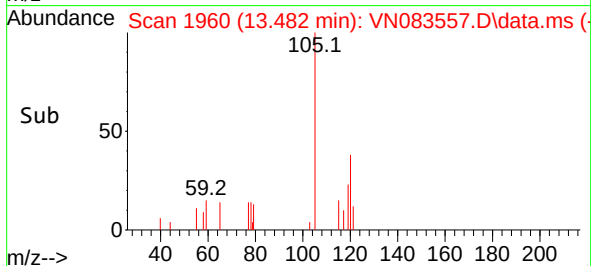
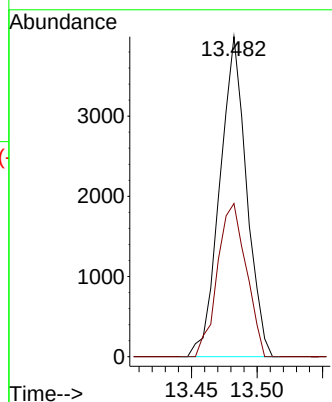
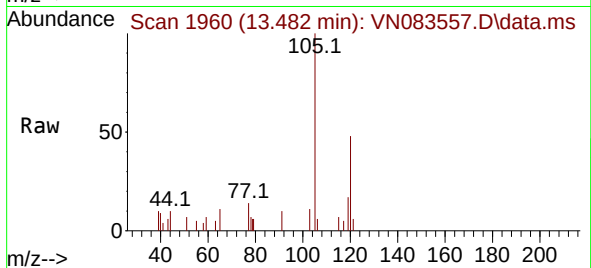
ClientSampleId :

Tgt Ion:105 Resp: 5653

Ion Ratio Lower Upper

105 100

120 51.5 21.9 65.8



#86

p-Isopropyltoluene

Concen: 0.270 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

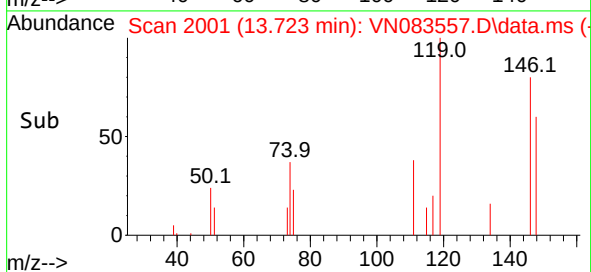
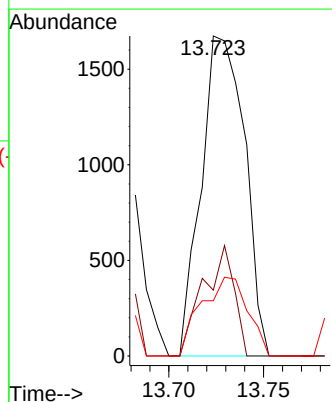
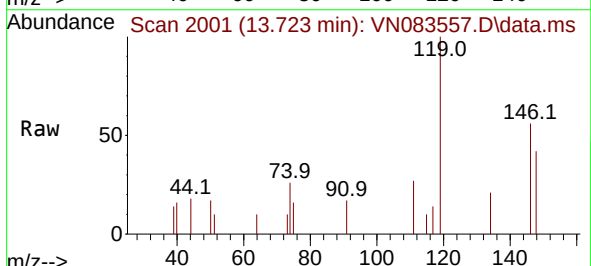
Tgt Ion:119 Resp: 2668

Ion Ratio Lower Upper

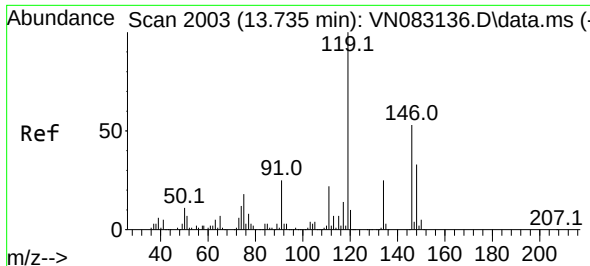
119 100

134 24.6 13.0 39.0

91 26.4 12.3 36.9







#87

1,3-Dichlorobenzene

Concen: 0.451 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

ClientSampleId :

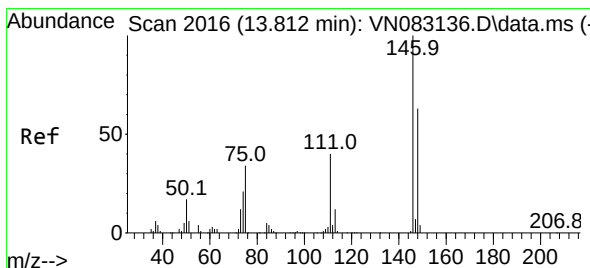
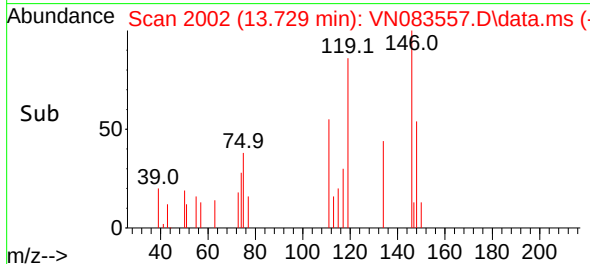
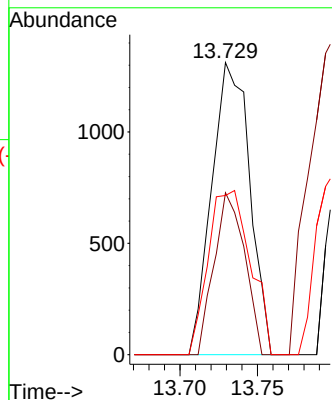
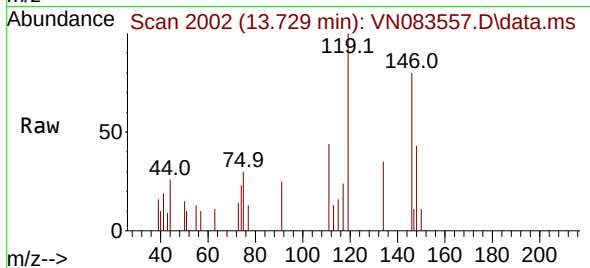
Tgt Ion:146 Resp: 2233

Ion Ratio Lower Upper

146 100

111 44.5 20.6 61.9

148 62.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.447 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

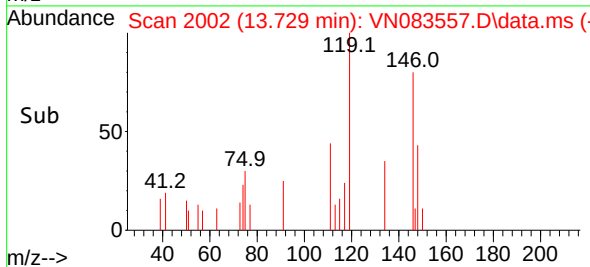
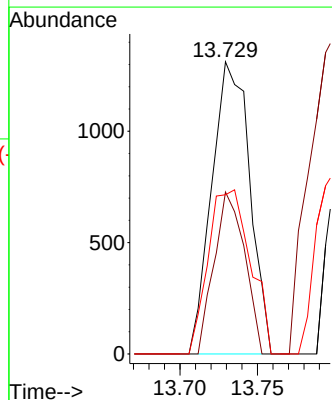
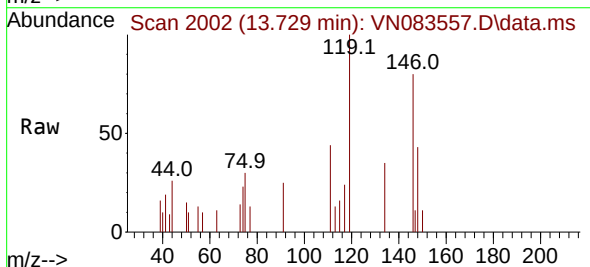
Tgt Ion:146 Resp: 2233

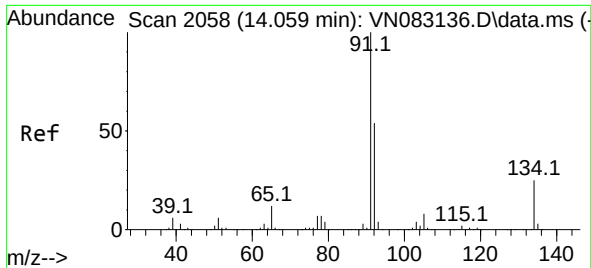
Ion Ratio Lower Upper

146 100

111 44.5 20.1 60.3

148 62.5 32.2 96.6





#89

n-Butylbenzene

Concen: 0.418 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VN083557.D

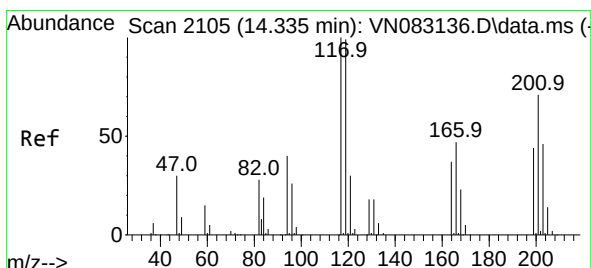
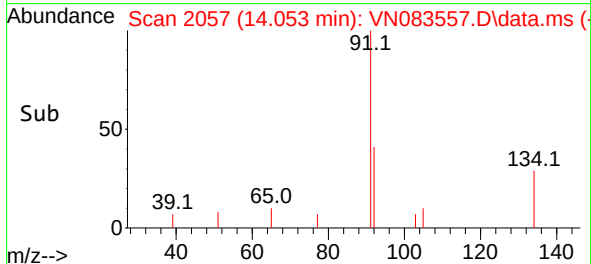
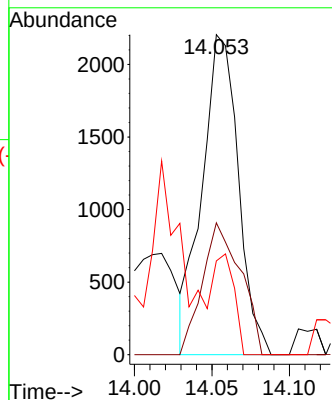
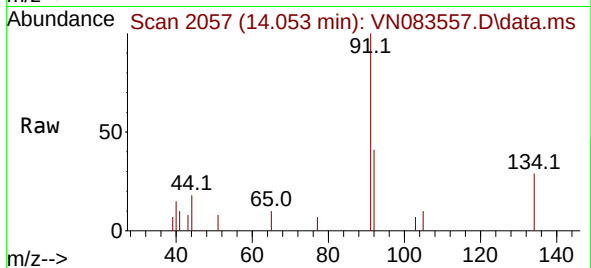
Acq: 29 Aug 2024 15:37

Instrument :

MSVOA\_N

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 3586     |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 43.6 26.1 78.3 |
| 134         | 17.7 12.1 36.3 |



#90

Hexachloroethane

Concen: 0.348 ug/l

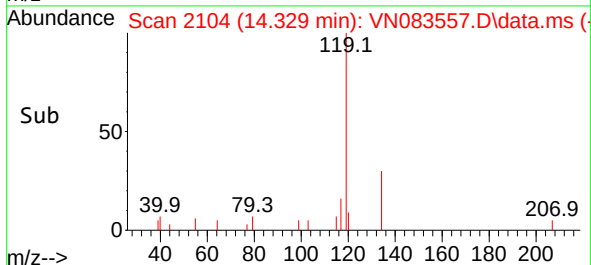
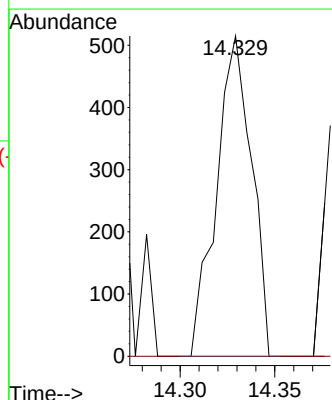
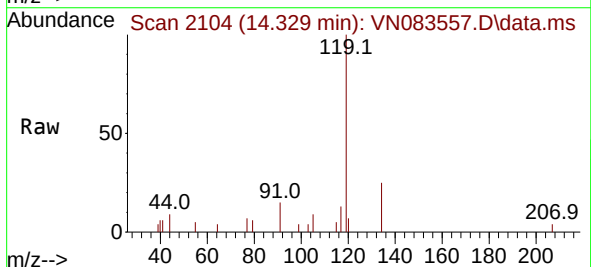
RT: 14.329 min Scan# 2104

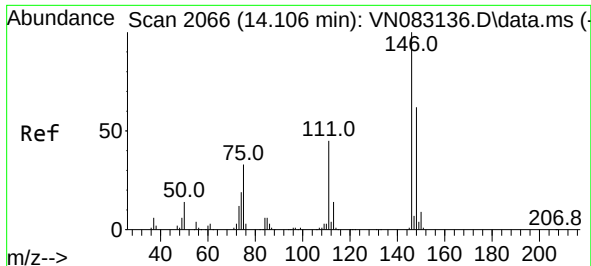
Delta R.T. -0.006 min

Lab File: VN083557.D

Acq: 29 Aug 2024 15:37

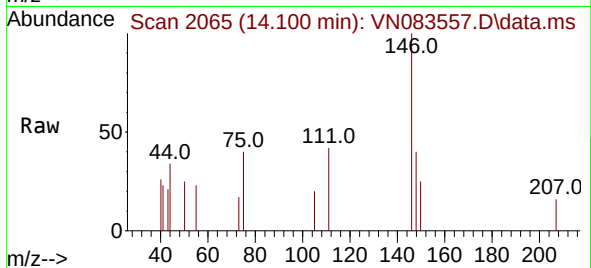
|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 666       |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 201          | 0.0 35.8 107.3# |



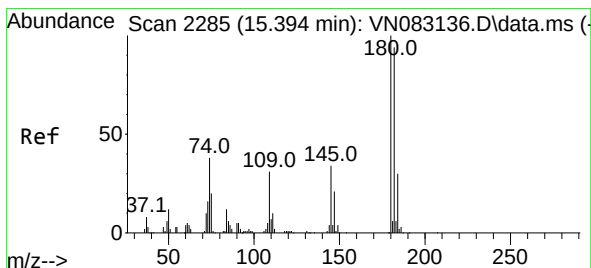
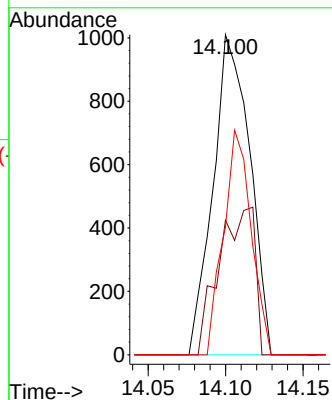
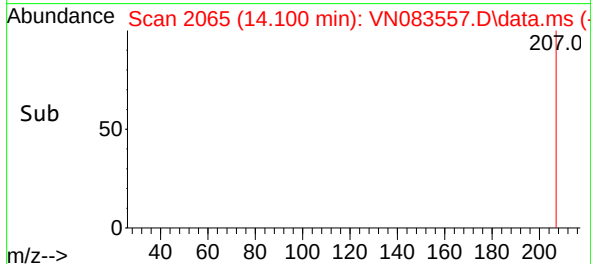


#91  
1,2-Dichlorobenzene  
Concen: 0.347 ug/l  
RT: 14.100 min Scan# 2066  
Delta R.T. -0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

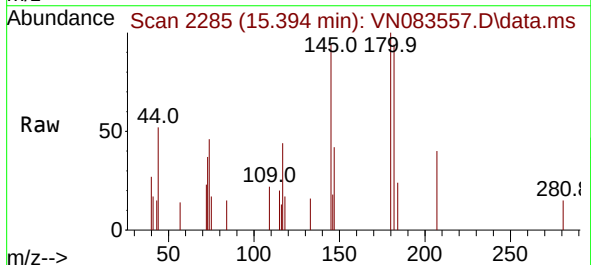
Instrument :  
MSVOA\_N  
ClientSampleId :



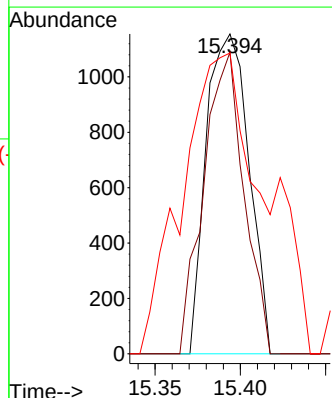
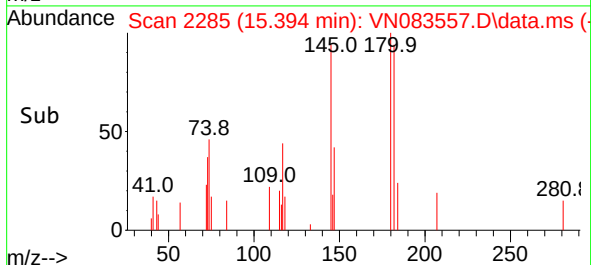
Tgt Ion:146 Resp: 1665  
Ion Ratio Lower Upper  
146 100  
111 45.2 21.4 64.2  
148 52.9 32.1 96.5

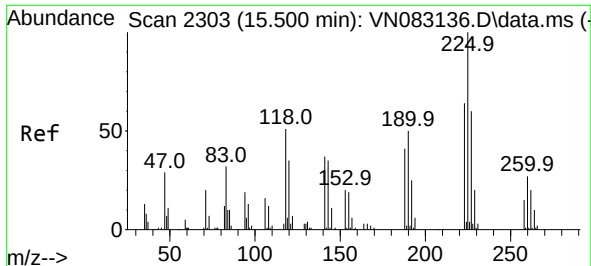


#93  
1,2,4-Trichlorobenzene  
Concen: 0.749 ug/l  
RT: 15.394 min Scan# 2285  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37



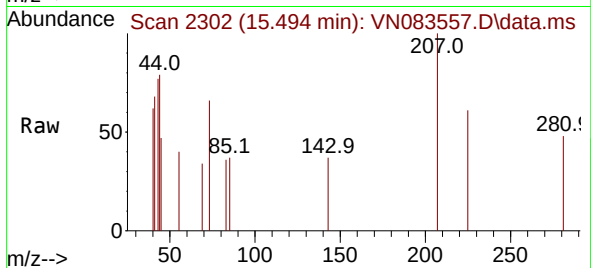
Tgt Ion:180 Resp: 2010  
Ion Ratio Lower Upper  
180 100  
182 89.3 47.3 141.8  
145 180.8 15.7 47.1#



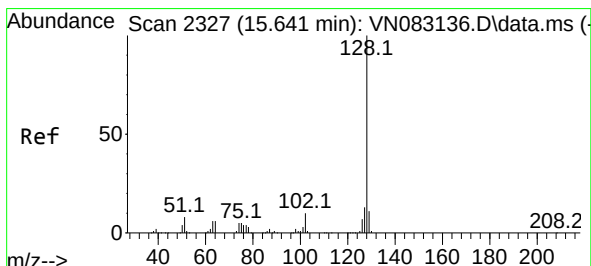
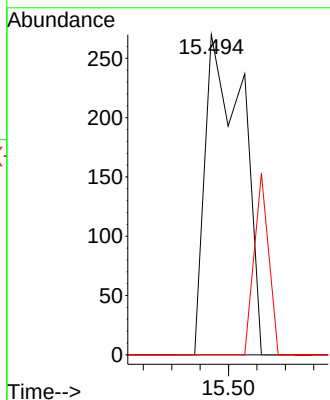
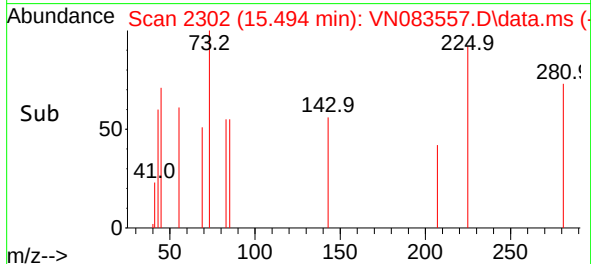


#94  
Hexachlorobutadiene  
Concen: 0.207 ug/l  
RT: 15.494 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37

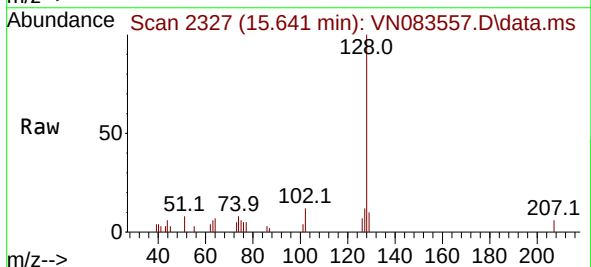
Instrument :  
MSVOA\_N  
ClientSampleId :



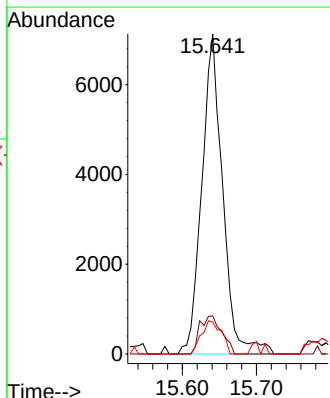
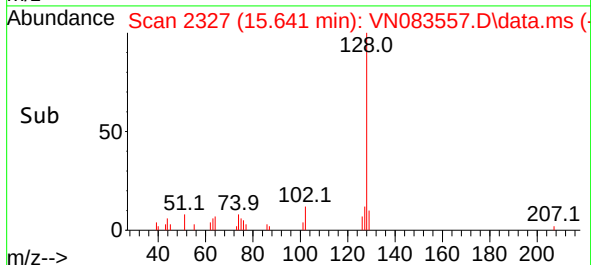
Tgt Ion:225 Resp: 247  
Ion Ratio Lower Upper  
225 100  
223 0.0 31.9 95.7#  
227 21.9 32.5 97.5#

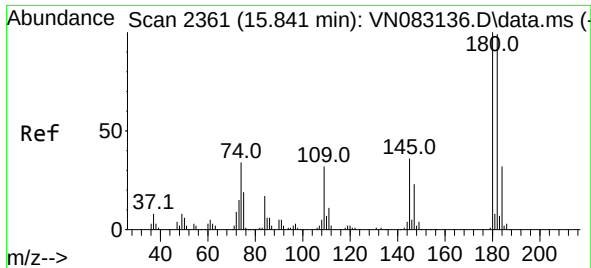


#95  
Naphthalene  
Concen: 1.467 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.000 min  
Lab File: VN083557.D  
Acq: 29 Aug 2024 15:37



Tgt Ion:128 Resp: 13950  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.6 16.0  
129 9.8 8.6 12.8





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.720 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN083557.D  
 Acq: 29 Aug 2024 15:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 82.5  | 48.9  | 146.8 |
| 145     | 82.1  | 16.8  | 50.4  |

