

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101824\  
 Data File : VN084424.D  
 Acq On : 18 Oct 2024 13:02  
 Operator : JC\MD  
 Sample : P4427-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 19 03:50:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 09 02:22:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 7.812  | 128   | 32215    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene       | 9.100  | 114   | 167106   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5          | 11.865 | 117   | 157811   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4     | 8.577  | 65    | 76328    | 29.429   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 110 | Recovery | =      | 98.100%  |
| 60) 4-Bromofluorobenzene      | 12.847 | 95    | 75242    | 28.889   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 63 - 112 | Recovery | =      | 96.300%  |
| 63) Toluene-d8                | 10.565 | 98    | 204629   | 27.990   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 112 | Recovery | =      | 93.300%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride             | 2.518  | 62    | 589      | 0.268    | ug/l # | 44       |
| 8) Diethyl Ether              | 3.965  | 74    | 3877     | 2.949    | ug/l   | 79       |
| 15) Acetone                   | 4.436  | 58    | 14978    | 46.475   | ug/l   | 86       |
| 16) Carbon Disulfide          | 4.712  | 76    | 1878     | 0.314    | ug/l # | 75       |
| 22) cis-1,2-Dichloroethene    | 7.489  | 96    | 3193     | 1.293    | ug/l # | 1        |
| 23) tert-Butyl Alcohol        | 5.518  | 59    | 2820016  | 6516.567 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether   | 5.795  | 73    | 10082    | 1.504    | ug/l # | 91       |
| 26) Cyclohexane               | 8.653  | 56    | 709      | 0.211    | ug/l # | 7        |
| 30) 2-Butanone                | 7.436  | 43    | 94895    | 64.973   | ug/l # | 74       |
| 34) Benzene                   | 8.600  | 78    | 34900    | 4.064    | ug/l # | 75       |
| 35) Methacrylonitrile         | 7.836  | 41    | 398924   | 256.027  | ug/l # | 44       |
| 36) 1,2-Dichloroethane        | 8.665  | 62    | 968      | 0.338    | ug/l # | 75       |
| 43) Ethyl Acetate             | 7.553  | 43    | 4871     | 1.691    | ug/l # | 1        |
| 45) 1,4-Dioxane               | 9.688  | 88    | 3880     | 91.294   | ug/l   | 97       |
| 47) n-amyl Acetate            | 12.488 | 43    | 1105     | 0.264    | ug/l # | 1        |
| 50) 1,1,2-Trichloroethane     | 10.918 | 97    | 756      | 0.384    | ug/l # | 16       |
| 55) 2-Chloroethyl vinyl ether | 10.629 | 63    | 5148     | 3.493    | ug/l # | 1        |
| 56) Bromoform                 | 12.853 | 173   | 437      | 0.284    | ug/l # | 1        |
| 58) 4-Methyl-2-Pentanone      | 10.424 | 43    | 5282     | 1.797    | ug/l # | 49       |
| 59) 2-Hexanone                | 11.171 | 43    | 124820   | 57.140   | ug/l # | 33       |
| 62) Toluene                   | 10.629 | 91    | 72662    | 7.865    | ug/l   | 100      |
| 64) Chlorobenzene             | 11.888 | 112   | 7231     | 1.258    | ug/l   | 95       |
| 66) Ethyl Benzene             | 11.959 | 91    | 88756    | 8.843    | ug/l   | 97       |
| 67) m/p-Xylenes               | 12.065 | 106   | 40828    | 10.723   | ug/l   | 99       |
| 68) o-Xylene                  | 12.394 | 106   | 20598    | 5.612    | ug/l   | 97       |
| 69) Styrene                   | 12.412 | 104   | 5368     | 0.852    | ug/l # | 40       |
| 70) Isopropylbenzene          | 12.694 | 105   | 7946     | 0.848    | ug/l   | 97       |
| 74) n-propylbenzene           | 13.035 | 91    | 5010     | 0.449    | ug/l   | 87       |
| 75) 2-Chlorotoluene           | 13.123 | 91    | 1774     | 0.256    | ug/l   | 96       |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105   | 6817     | 0.864    | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75    | 225      | 0.212    | ug/l # | 12       |
| 78) 4-Chlorotoluene           | 13.123 | 91    | 1774     | 0.251    | ug/l   | 98       |
| 79) tert-butylbenzene         | 13.676 | 119   | 1471     | 0.219    | ug/l   | 80       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105   | 26081    | 3.258    | ug/l   | 98       |
| 81) sec-Butylbenzene          | 13.818 | 105   | 16238    | 1.752    | ug/l   | 61       |
| 82) p-Isopropyltoluene        | 13.729 | 119   | 54781    | 7.024    | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.812 | 146   | 10524    | 2.494    | ug/l   | 100      |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146   | 10524    | 2.512    | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146   | 949      | 0.233    | ug/l   | 90       |

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Data File : VN084424.D  
Acq On : 18 Oct 2024 13:02  
Operator : JC\MD  
Sample : P4427-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

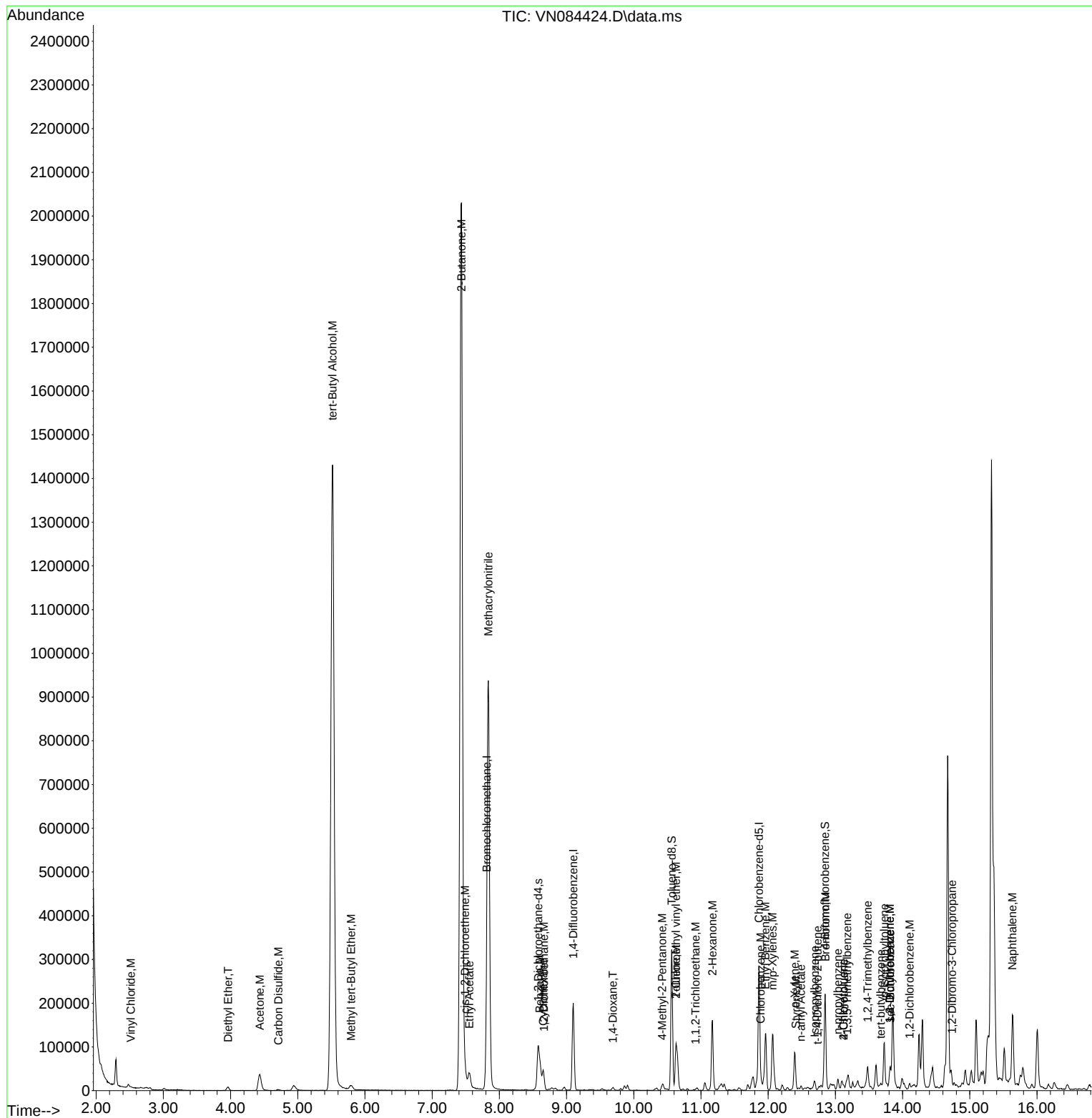
Quant Time: Oct 19 03:50:42 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 09 02:22:28 2024  
Response via : Initial Calibration

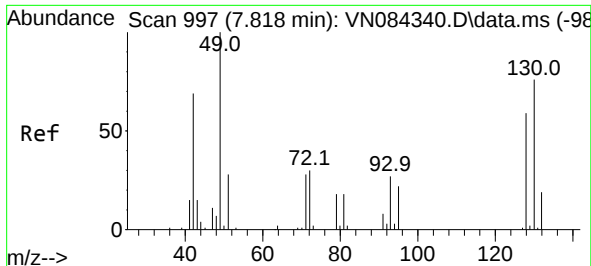
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 88) 1,2-Dibromo-3-Chloropr... | 14.735 | 75   | 177      | 0.299  | ug/l # | 6        |
| 91) Naphthalene               | 15.635 | 128  | 155162   | 21.588 | ug/l   | 99       |

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**

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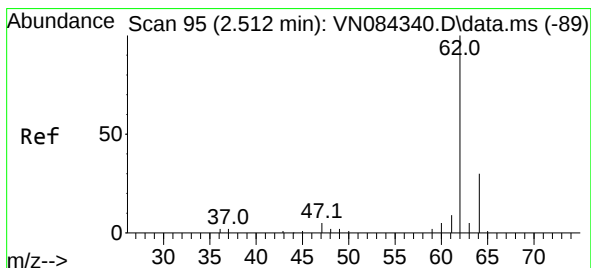
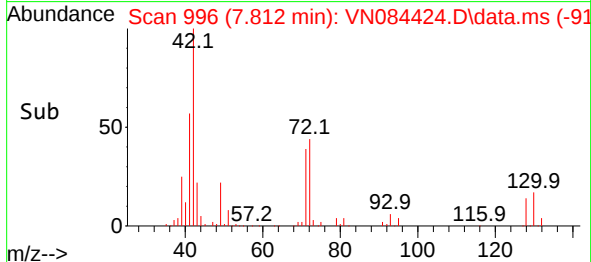
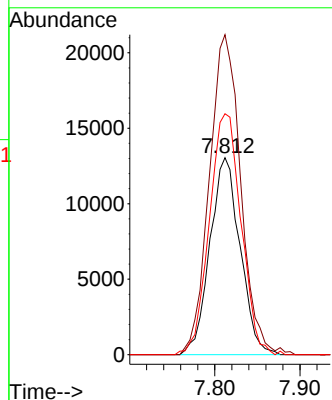
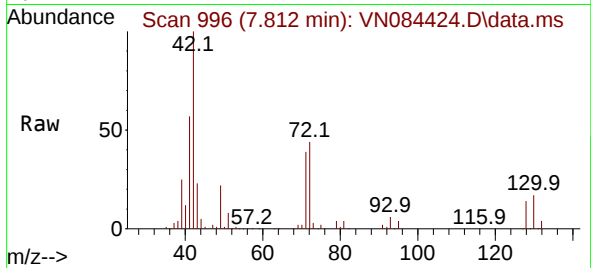




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

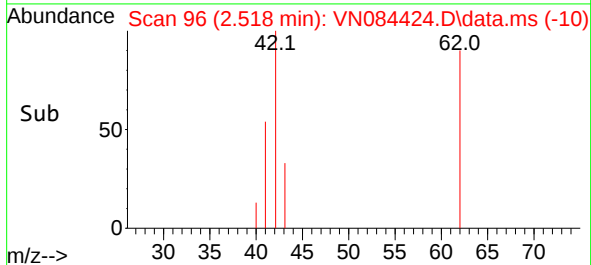
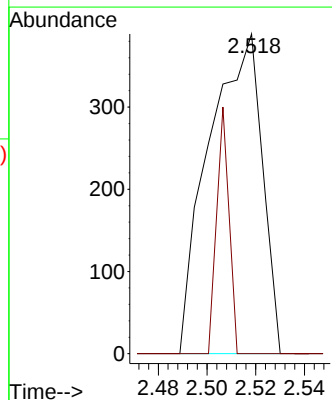
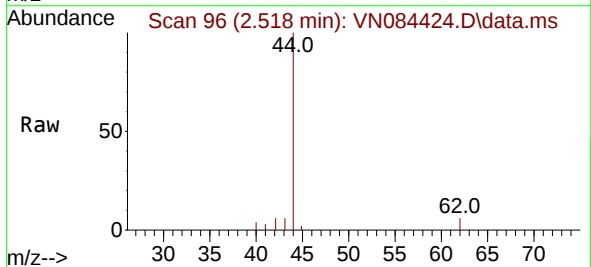
Instrument :  
MSVOA\_N  
ClientSampleId :

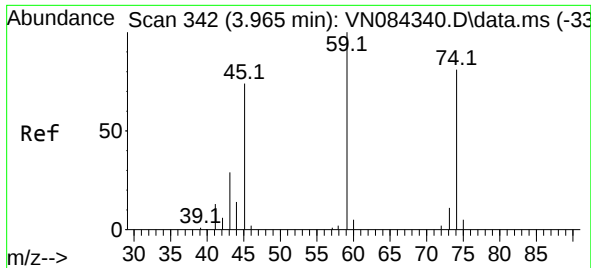
Tgt Ion:128 Resp: 32215  
Ion Ratio Lower Upper  
128 100  
49 167.6 0.0 430.0  
130 128.4 0.0 329.8



#4  
Vinyl Chloride  
Concen: 0.268 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 62 Resp: 589  
Ion Ratio Lower Upper  
62 100  
64 0.0 24.3 36.5#

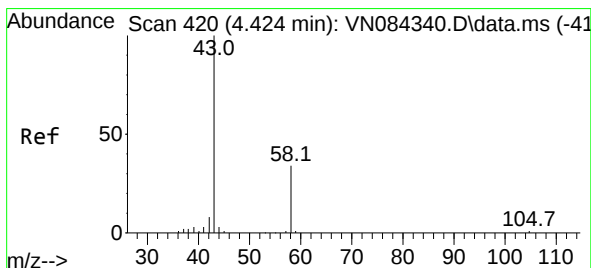
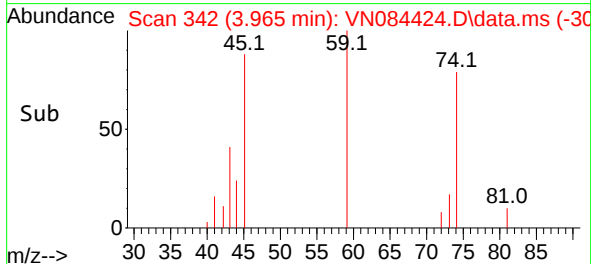
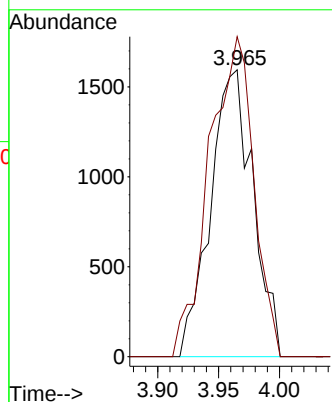
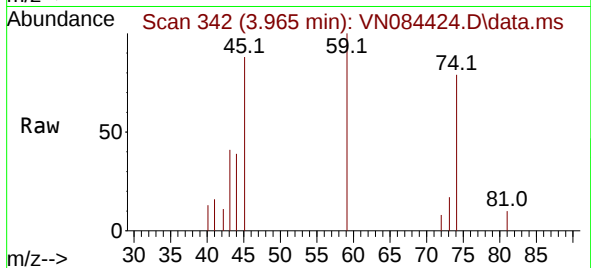




#8  
Diethyl Ether  
Concen: 2.949 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

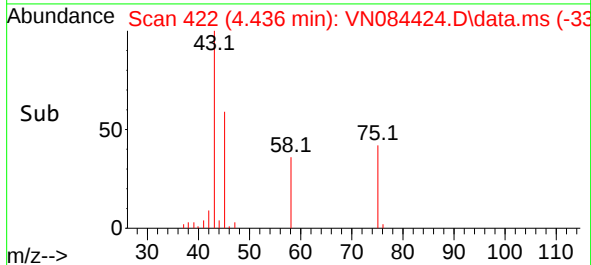
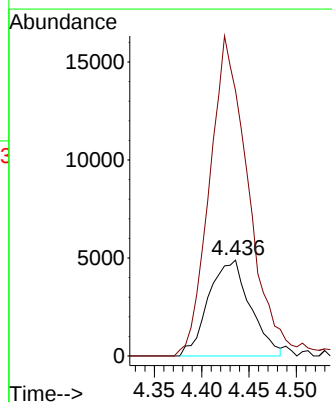
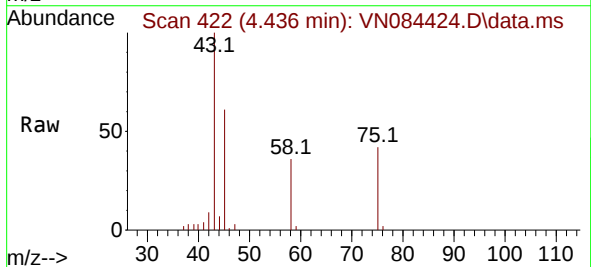
Instrument :  
MSVOA\_N  
ClientSampleId :

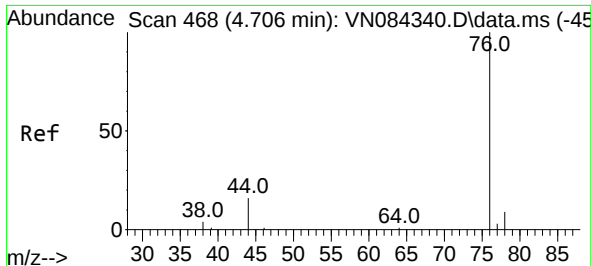
Tgt Ion: 74 Resp: 3877  
Ion Ratio Lower Upper  
74 100  
45 116.4 19.2 173.2



#15  
Acetone  
Concen: 46.475 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

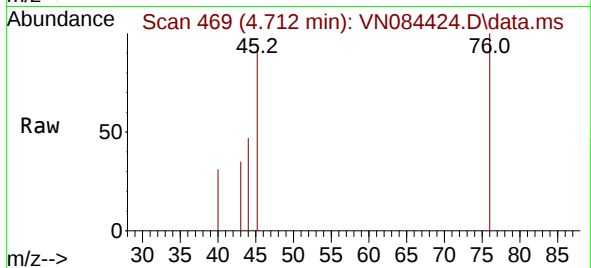
Tgt Ion: 58 Resp: 14978  
Ion Ratio Lower Upper  
58 100  
43 270.1 237.5 356.3



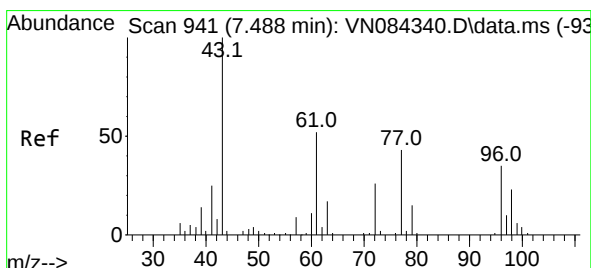
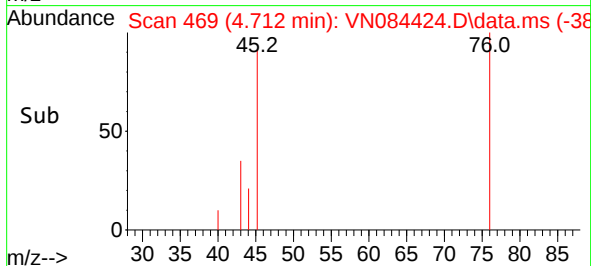
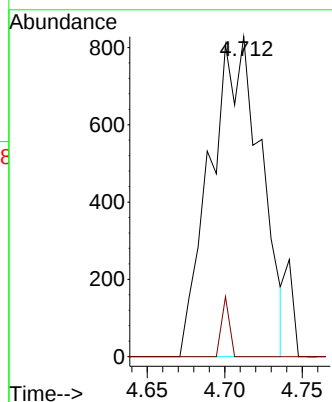


#16  
Carbon Disulfide  
Concen: 0.314 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :

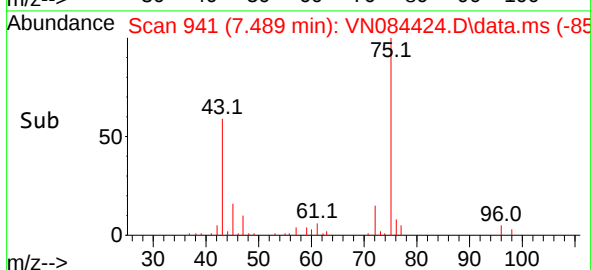
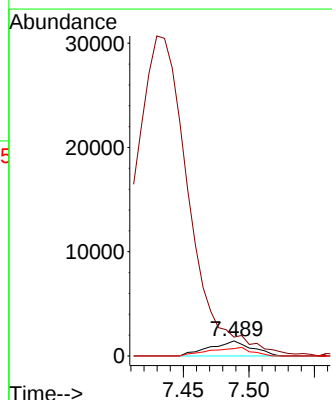
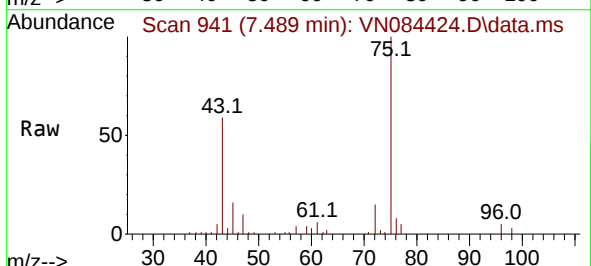


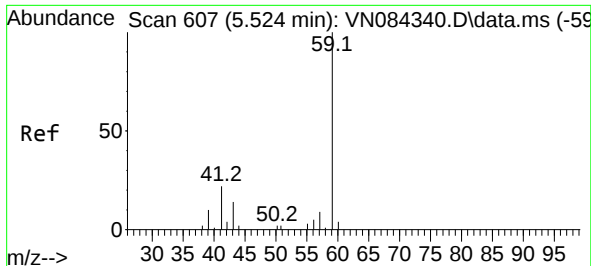
Tgt Ion: 76 Resp: 1878  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.1 10.7#



#22  
cis-1,2-Dichloroethene  
Concen: 1.293 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 96 Resp: 3193  
Ion Ratio Lower Upper  
96 100  
61 2756.3 118.0 177.0#  
98 55.8 51.8 77.8

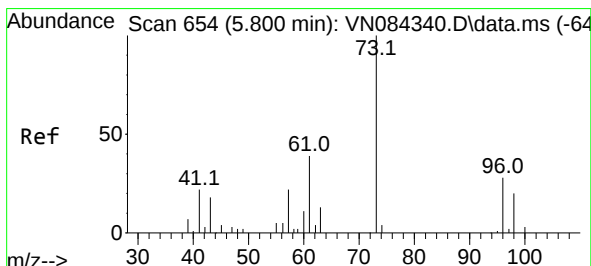
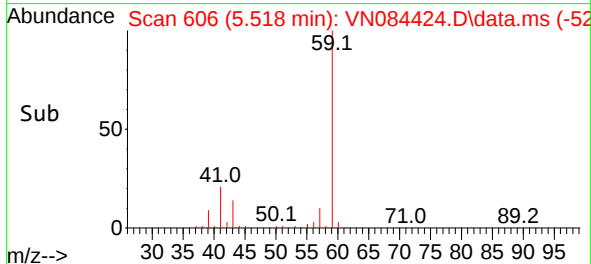
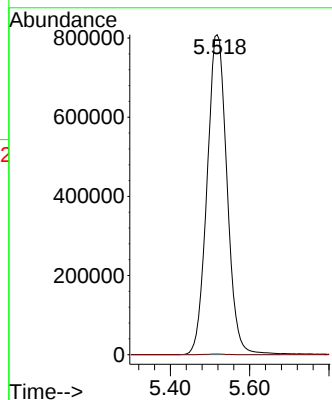
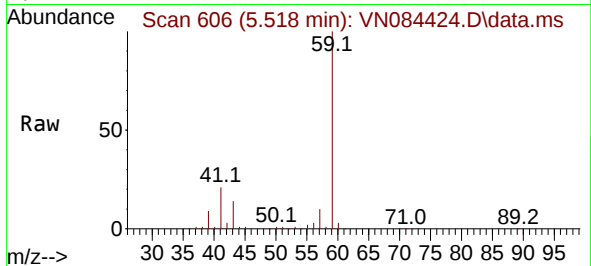




#23  
tert-Butyl Alcohol  
Concen: 6516.567 ug/l  
RT: 5.518 min Scan# 607  
Delta R.T. -0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

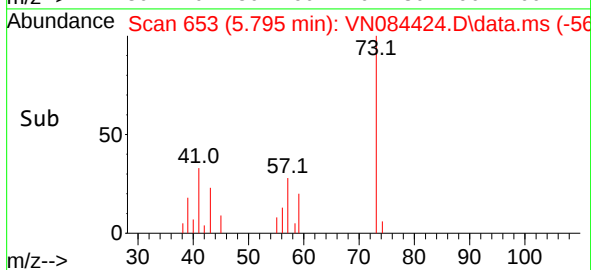
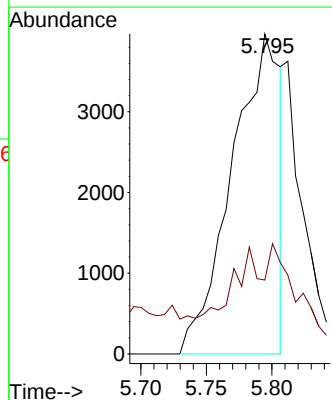
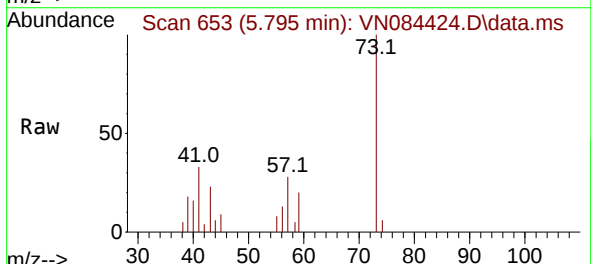
Instrument :  
MSVOA\_N  
ClientSampleId :

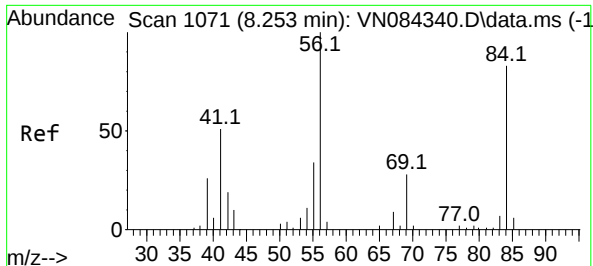
Tgt Ion: 59 Resp: 2820016  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.0 0.0#



#24  
Methyl tert-Butyl Ether  
Concen: 1.504 ug/l  
RT: 5.795 min Scan# 653  
Delta R.T. -0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 73 Resp: 10082  
Ion Ratio Lower Upper  
73 100  
43 10.1 10.9 16.3#

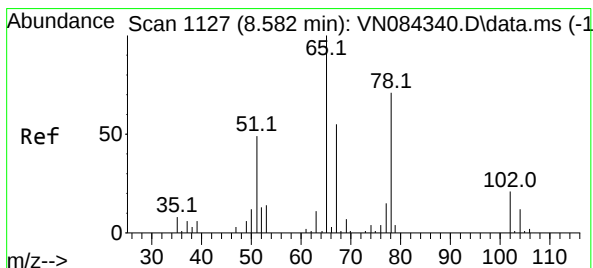
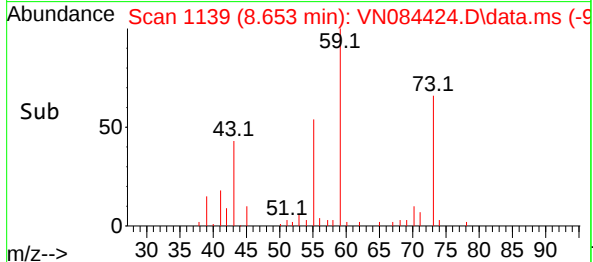
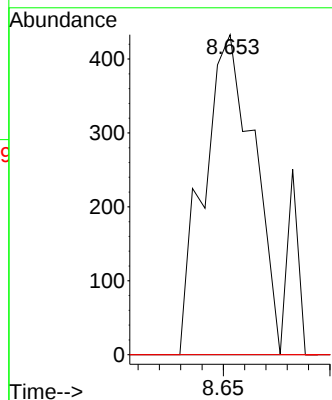
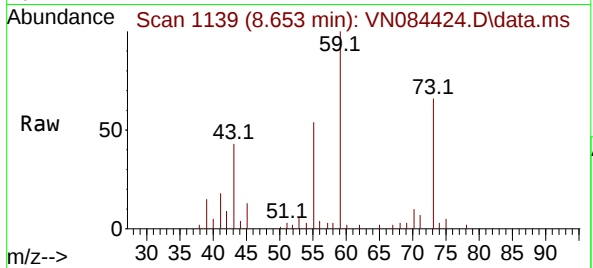




#26  
Cyclohexane  
Concen: 0.211 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. 0.400 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

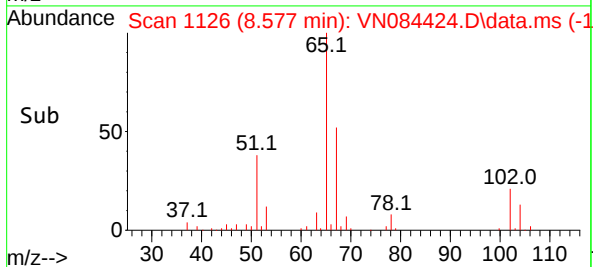
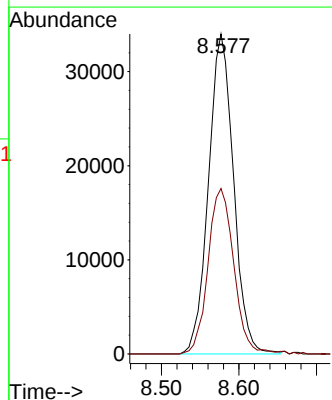
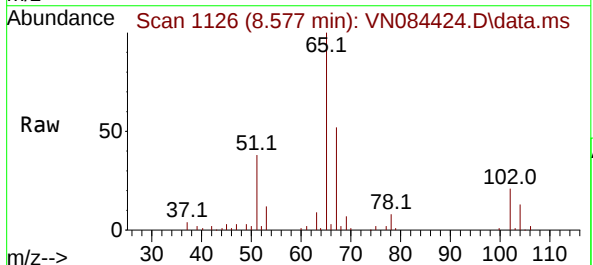
Instrument :  
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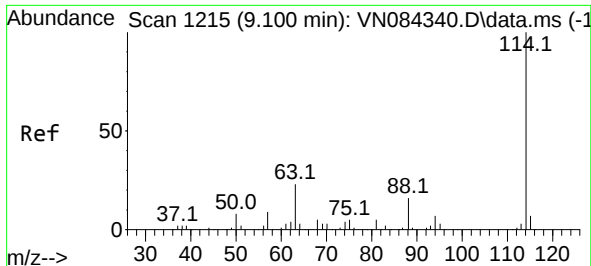
Tgt Ion: 56 Resp: 709  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 0.0 67.0 100.6#



#27  
1,2-Dichloroethane-d4  
Concen: 29.429 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 65 Resp: 76328  
Ion Ratio Lower Upper  
65 100  
67 52.5 41.5 62.3

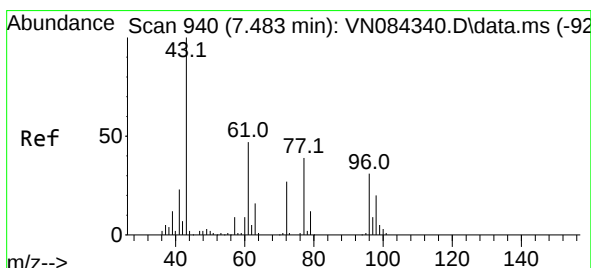
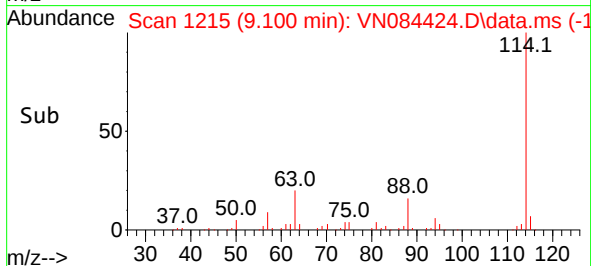
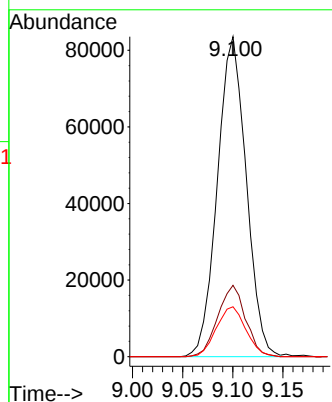
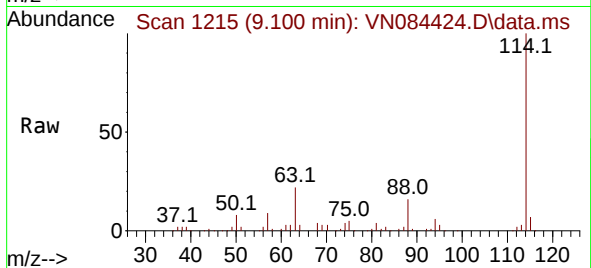




#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.100 min Scan# 114  
 Delta R.T. 0.000 min  
 Lab File: VN084424.D  
 Acq: 18 Oct 2024 13:02

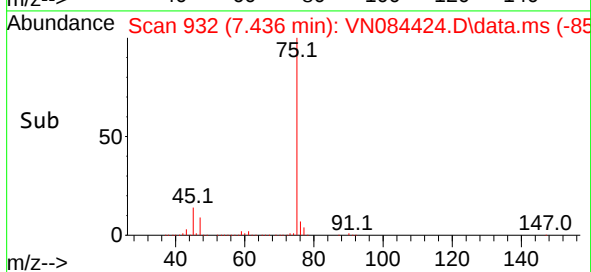
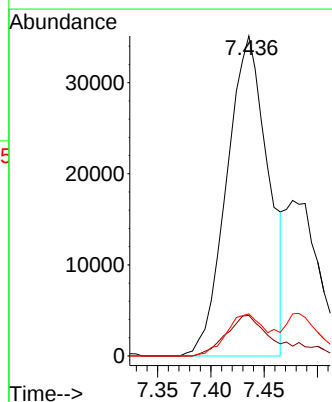
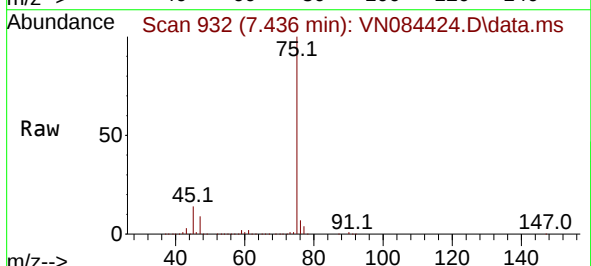
Instrument :  
 MSVOA\_N  
 ClientSampleId :

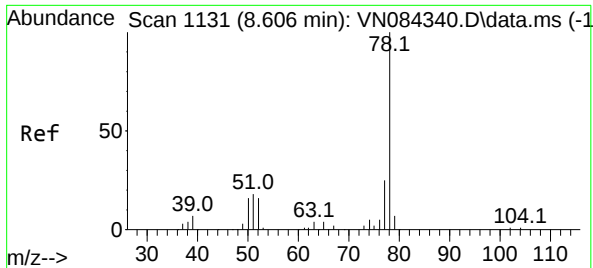
Tgt Ion:114 Resp: 167106  
 Ion Ratio Lower Upper  
 114 100  
 63 21.5 17.4 26.0  
 88 16.0 13.2 19.8



#30  
 2-Butanone  
 Concen: 64.973 ug/l  
 RT: 7.436 min Scan# 932  
 Delta R.T. -0.047 min  
 Lab File: VN084424.D  
 Acq: 18 Oct 2024 13:02

Tgt Ion: 43 Resp: 94895  
 Ion Ratio Lower Upper  
 43 100  
 57 13.0 6.6 9.8#  
 72 11.5 21.3 31.9#

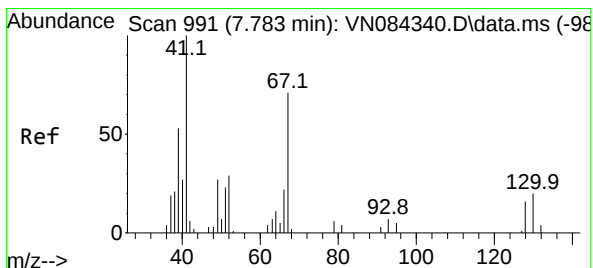
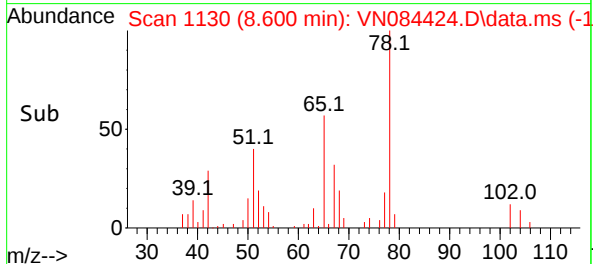
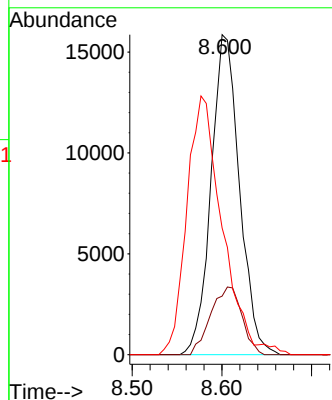
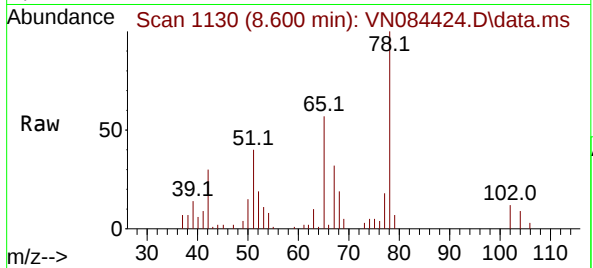




#34  
Benzene  
Concen: 4.064 ug/l  
RT: 8.600 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

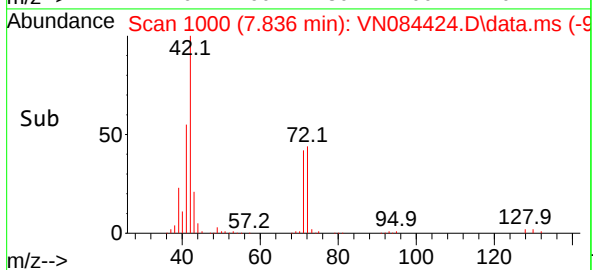
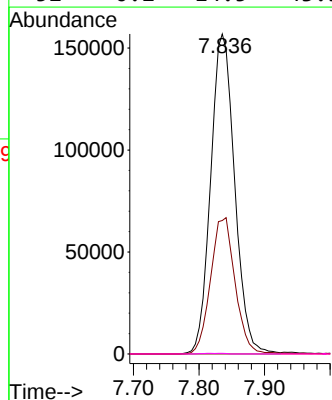
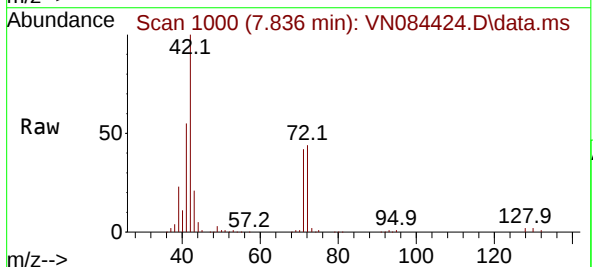
Instrument :  
MSVOA\_N  
ClientSampleId :

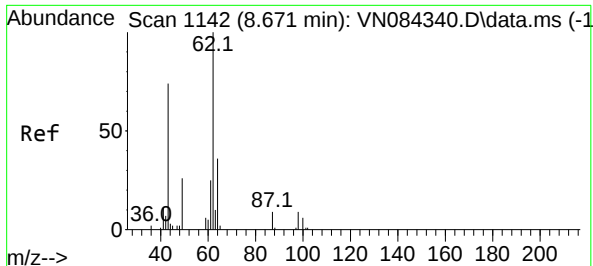
Tgt Ion: 78 Resp: 34900  
Ion Ratio Lower Upper  
78 100  
77 18.3 19.6 29.4#  
51 38.4 15.8 23.6#



#35  
Methacrylonitrile  
Concen: 256.027 ug/l  
RT: 7.836 min Scan# 1000  
Delta R.T. 0.053 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 41 Resp: 398924  
Ion Ratio Lower Upper  
41 100  
39 41.7 26.4 79.0  
67 0.0 35.7 107.1#  
52 0.2 14.5 43.5#





#36

1,2-Dichloroethane

Concen: 0.338 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

Lab File: VN084424.D

Acq: 18 Oct 2024 13:02

Instrument :

MSVOA\_N

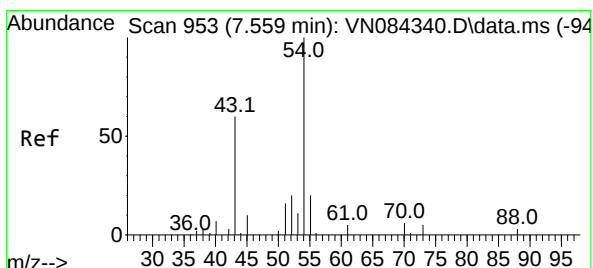
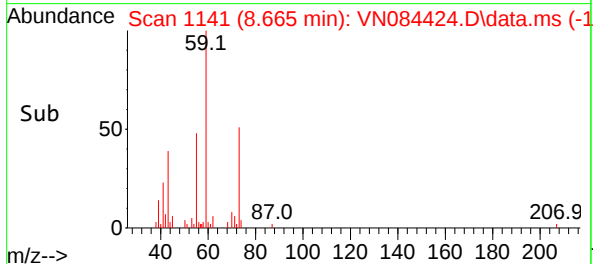
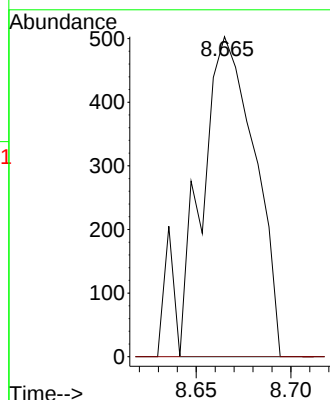
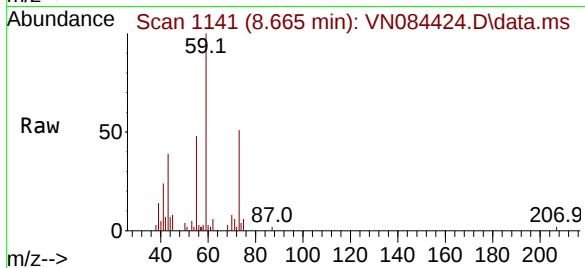
ClientSampleId :

Tgt Ion: 62 Resp: 968

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#



#43

Ethyl Acetate

Concen: 1.691 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN084424.D

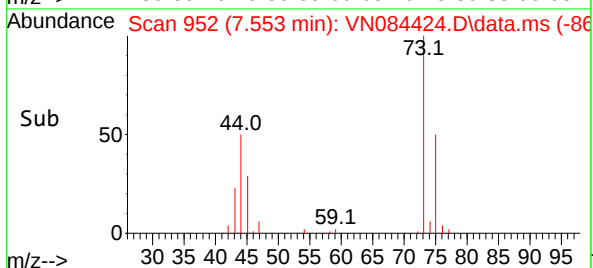
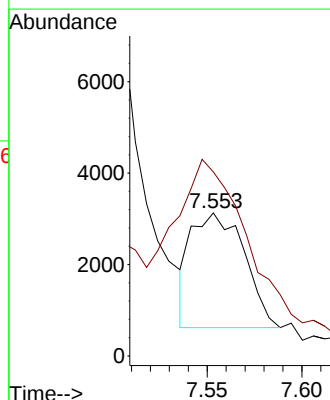
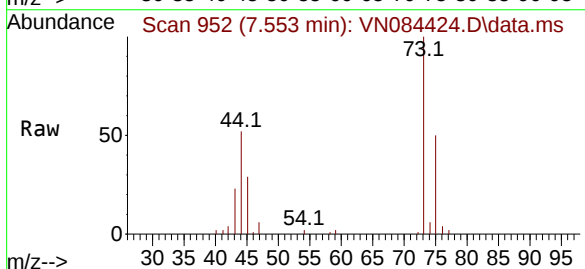
Acq: 18 Oct 2024 13:02

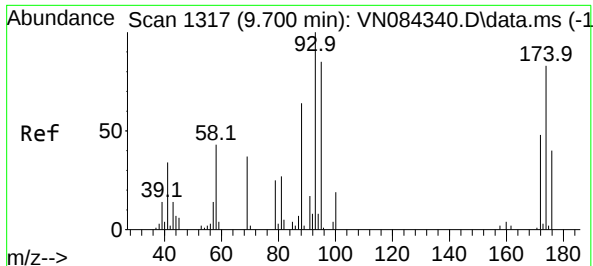
Tgt Ion: 43 Resp: 4871

Ion Ratio Lower Upper

43 100

45 270.2 10.6 16.0#





#45

1,4-Dioxane

Concen: 91.294 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN084424.D

Acq: 18 Oct 2024 13:02

Instrument :

MSVOA\_N

ClientSampleId :

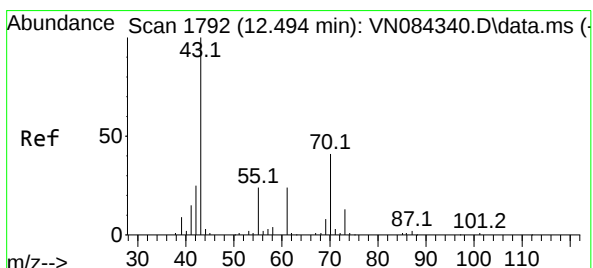
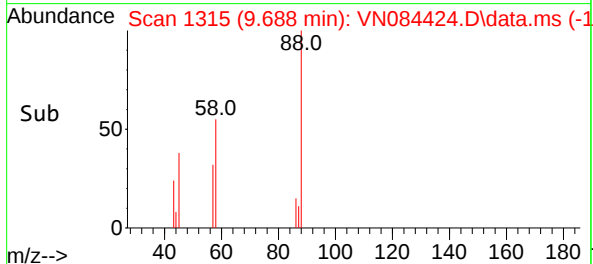
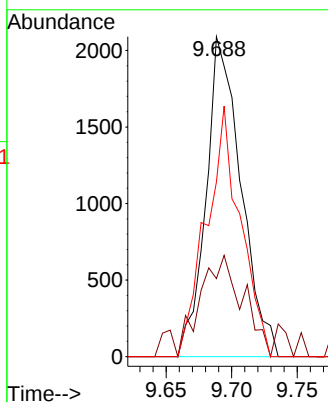
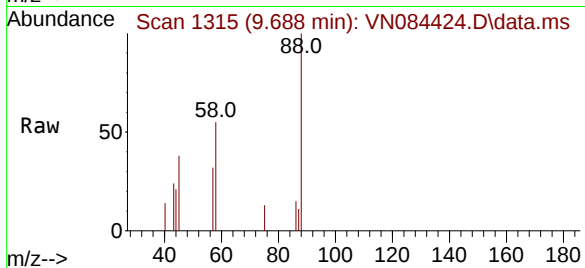
Tgt Ion: 88 Resp: 3880

Ion Ratio Lower Upper

88 100

43 30.9 22.4 33.6

58 76.2 59.7 89.5



#47

n-amy1 Acetate

Concen: 0.264 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN084424.D

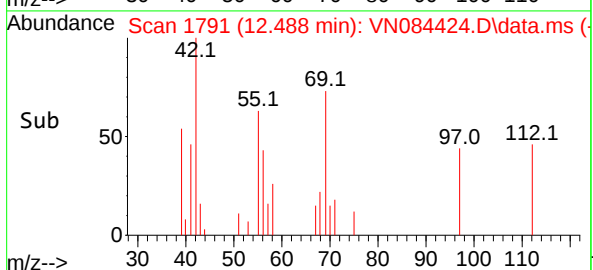
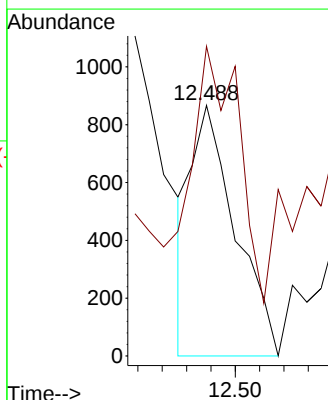
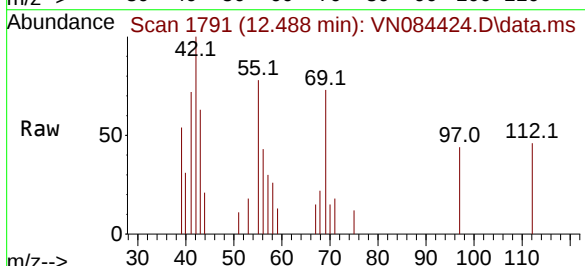
Acq: 18 Oct 2024 13:02

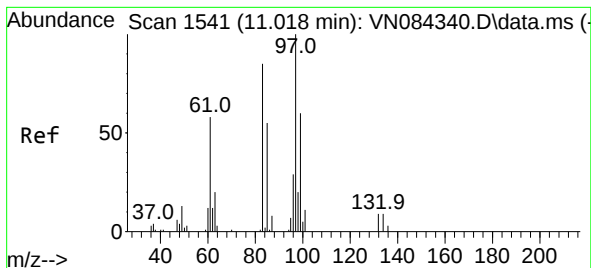
Tgt Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

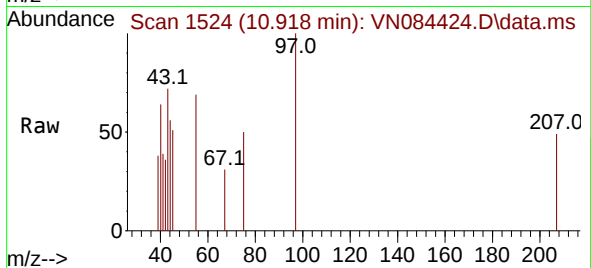
55 107.4 20.6 31.0#



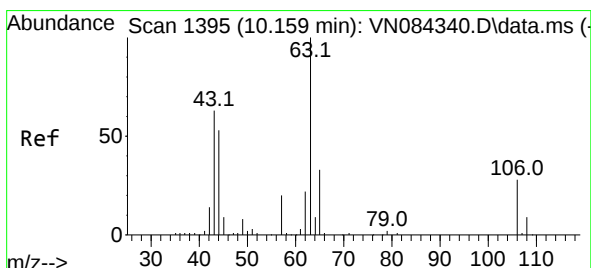
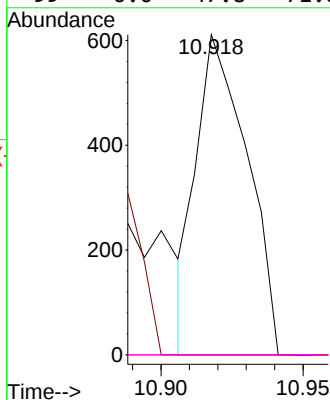
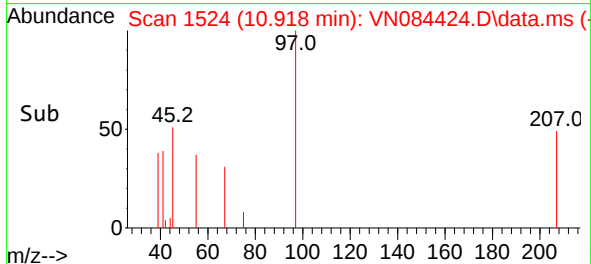


#50  
1,1,2-Trichloroethane  
Concen: 0.384 ug/l  
RT: 10.918 min Scan# 1475  
Delta R.T. -0.100 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :

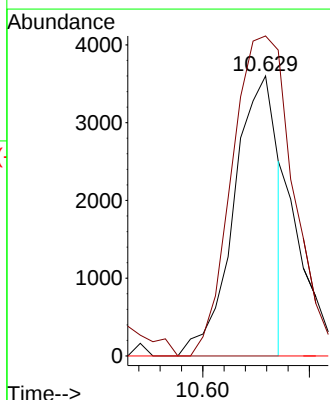
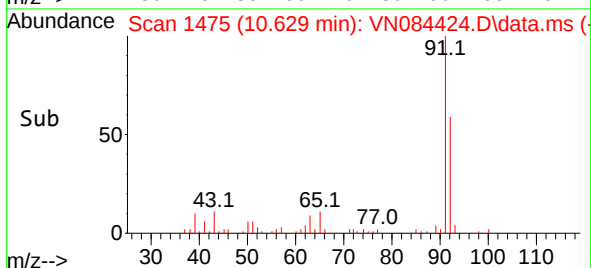
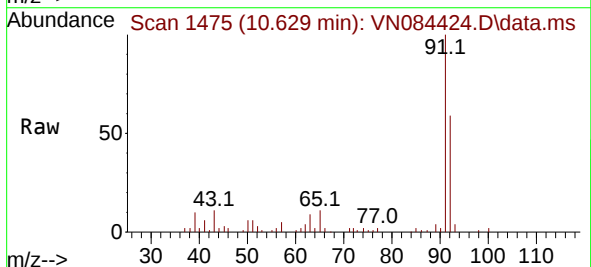


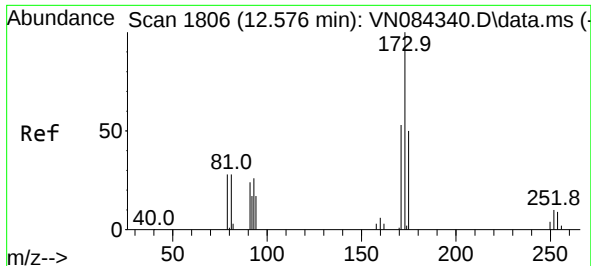
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 756   |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 0.0      | 67.8 101.8# |
| 85 0.0      | 44.2 66.2#  |
| 99 0.0      | 47.8 71.8#  |



#55  
2-Chloroethyl vinyl ether  
Concen: 3.493 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.471 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

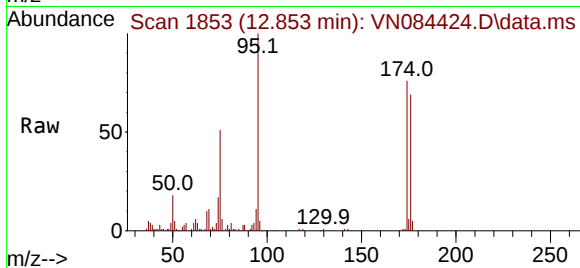
|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 63 | Resp: 5148 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 63 100      |            |       |  |
| 65 126.7    | 25.6       | 38.4# |  |
| 106 0.0     | 21.6       | 32.4# |  |



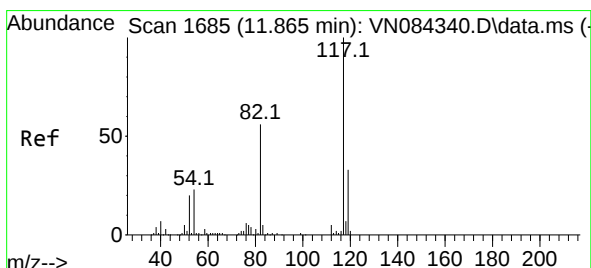
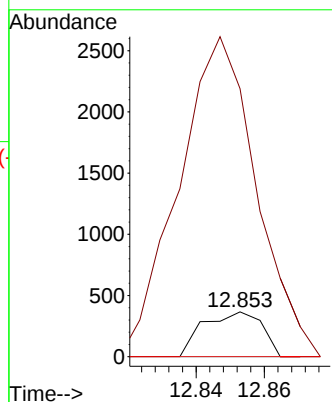
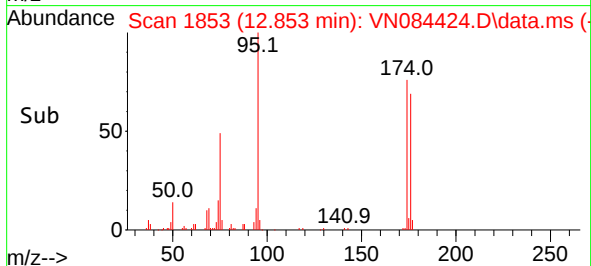


#56  
Bromoform  
Concen: 0.284 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.277 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :

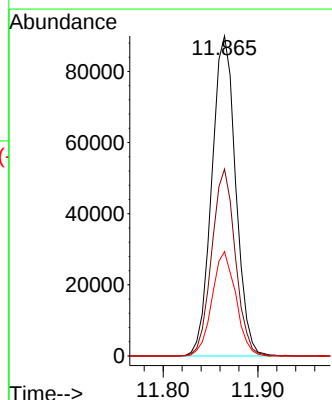
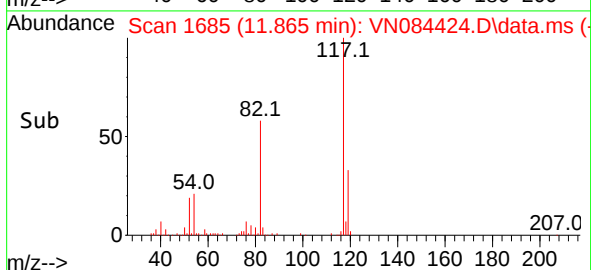
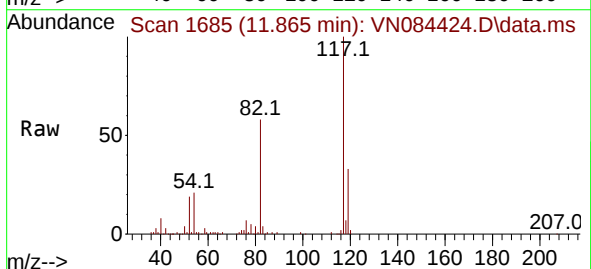


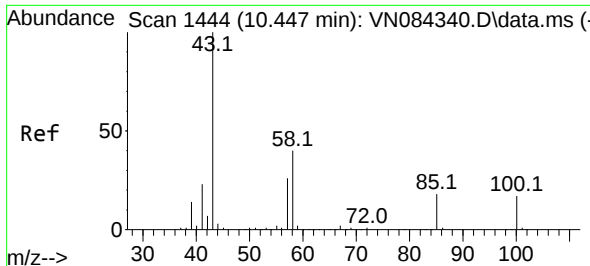
Tgt Ion:173 Resp: 437  
Ion Ratio Lower Upper  
173 100  
175 949.4 39.4 59.2#  
254 0.0 6.8 10.2#



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

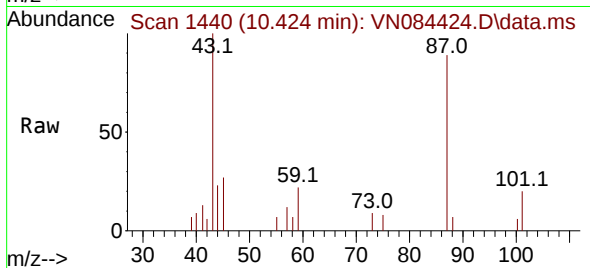
Tgt Ion:117 Resp: 157811  
Ion Ratio Lower Upper  
117 100  
82 57.6 46.2 69.4  
119 32.5 25.4 38.2



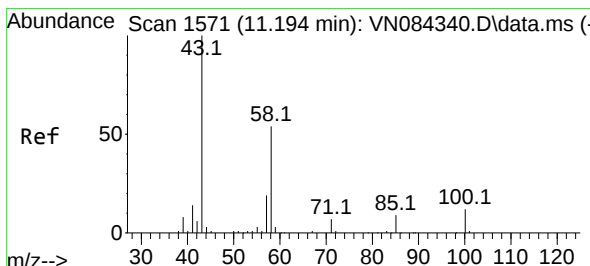
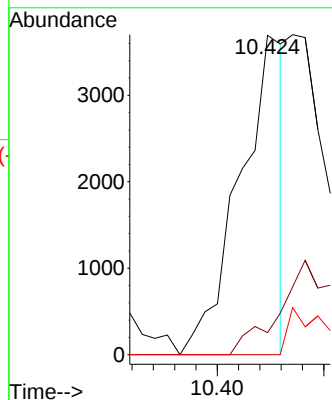
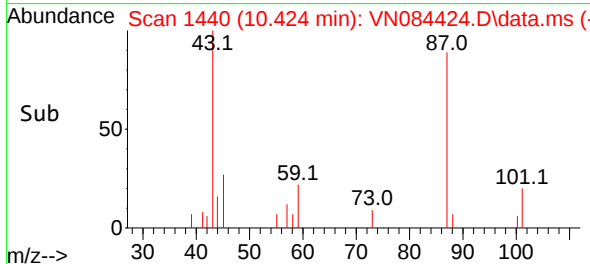


#58  
4-Methyl-2-Pentanone  
Concen: 1.797 ug/l  
RT: 10.424 min Scan# 1440  
Delta R.T. -0.023 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :

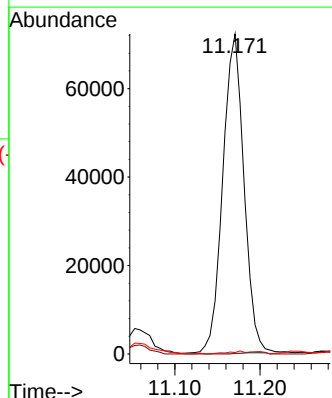
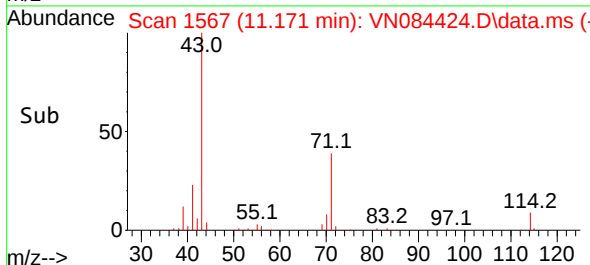
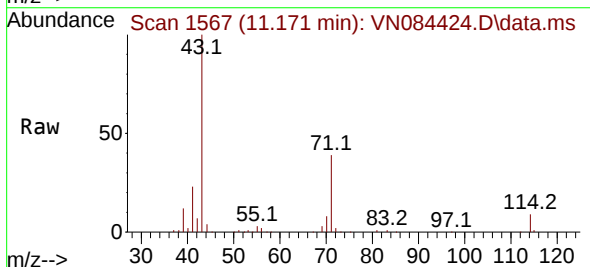


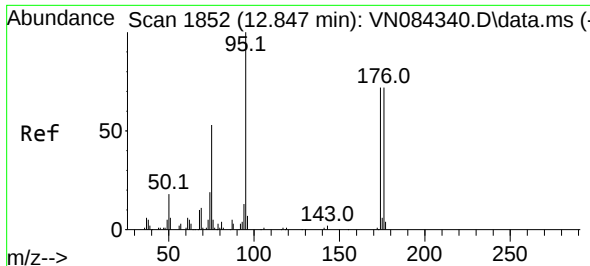
Tgt Ion: 43 Resp: 5282  
Ion Ratio Lower Upper  
43 100  
58 5.3 31.9 47.9#  
85 0.0 14.6 22.0#



#59  
2-Hexanone  
Concen: 57.140 ug/l  
RT: 11.171 min Scan# 1567  
Delta R.T. -0.023 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 43 Resp: 124820  
Ion Ratio Lower Upper  
43 100  
58 0.6 44.0 66.0#  
57 0.3 15.4 23.2#

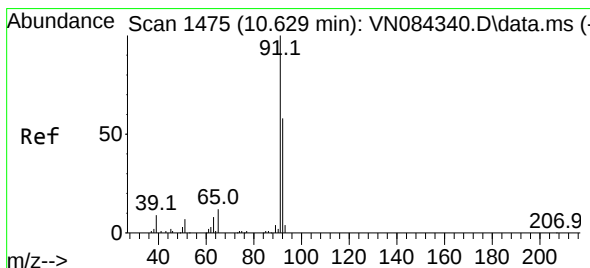
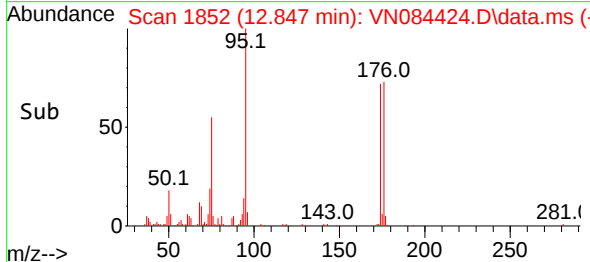
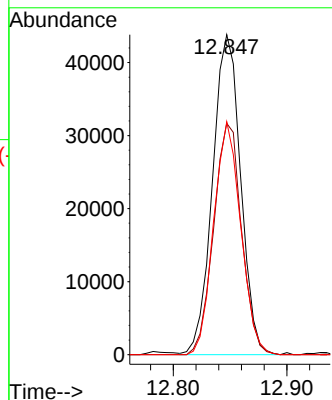
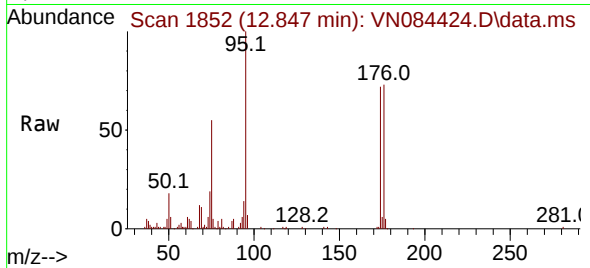




#60  
4-Bromofluorobenzene  
Concen: 28.889 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

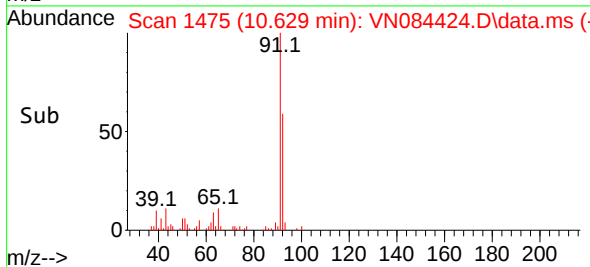
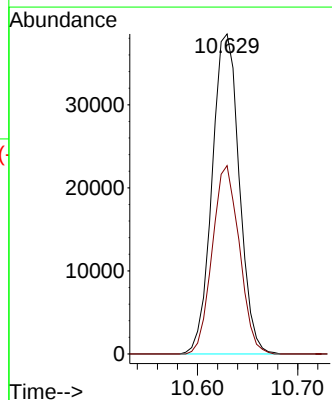
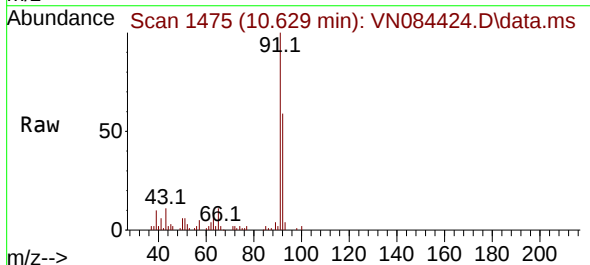
Instrument :  
MSVOA\_N  
ClientSampleId :

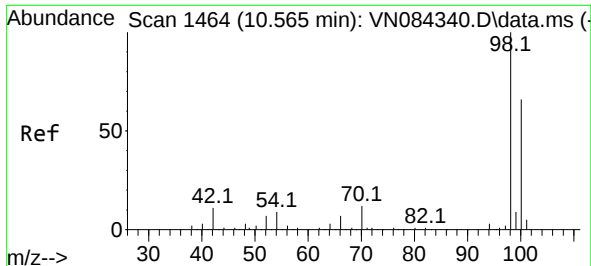
Tgt Ion: 95 Resp: 75242  
Ion Ratio Lower Upper  
95 100  
174 71.8 58.2 87.2  
176 70.2 56.4 84.6



#62  
Toluene  
Concen: 7.865 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 91 Resp: 72662  
Ion Ratio Lower Upper  
91 100  
92 58.6 47.2 70.8

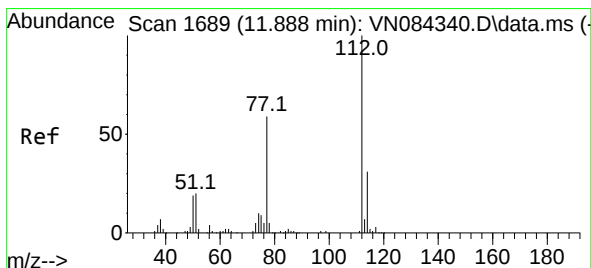
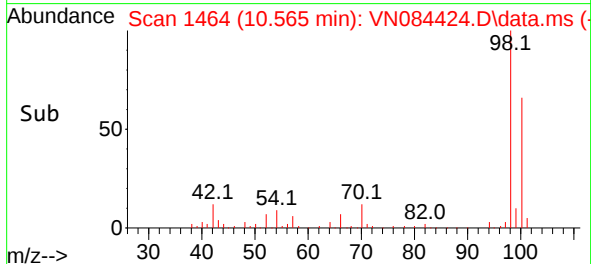
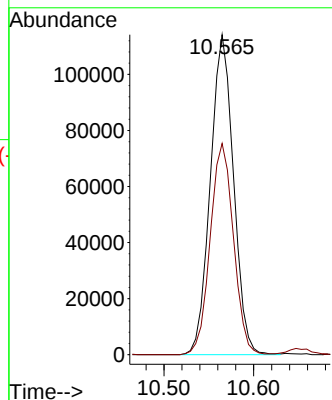
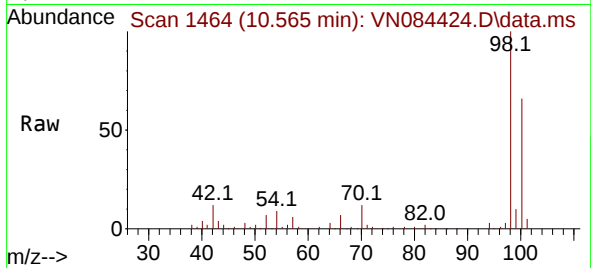




#63  
Toluene-d8  
Concen: 27.990 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

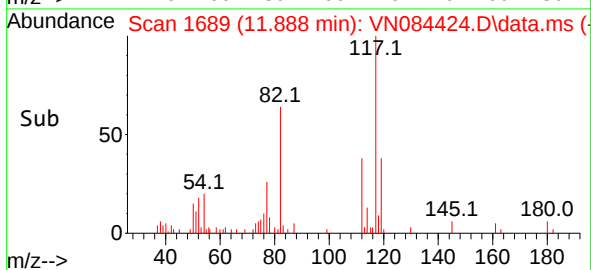
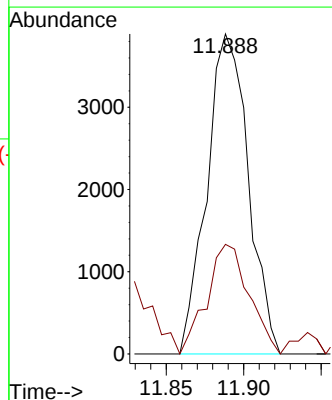
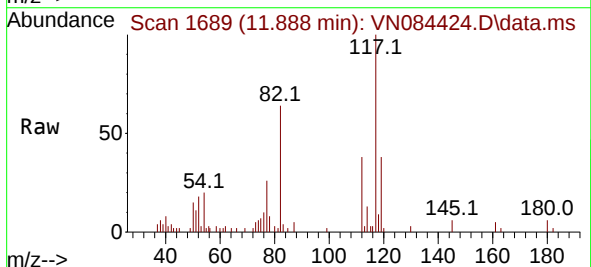
Instrument :  
MSVOA\_N  
ClientSampleId :

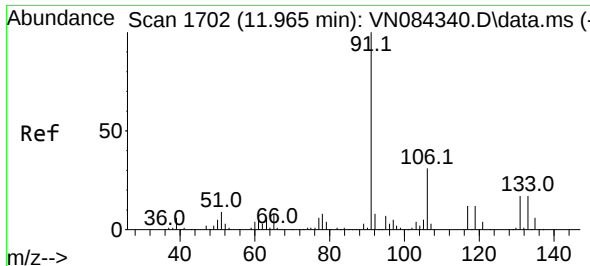
Tgt Ion: 98 Resp: 204629  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.5 78.7



#64  
Chlorobenzene  
Concen: 1.258 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion:112 Resp: 7231  
Ion Ratio Lower Upper  
112 100  
114 34.2 25.1 37.7

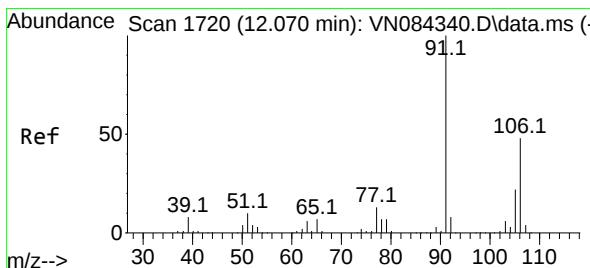
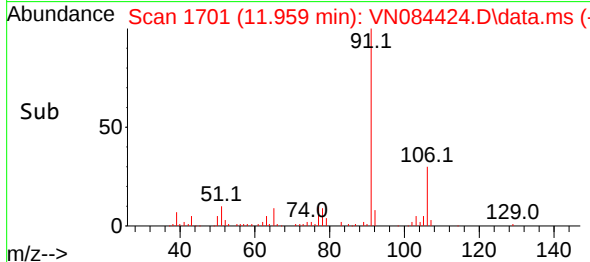
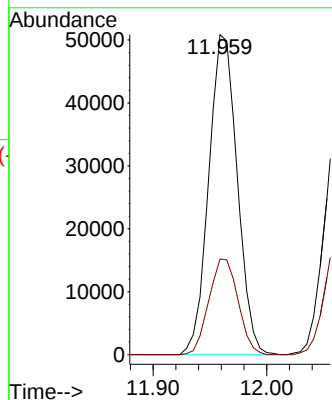
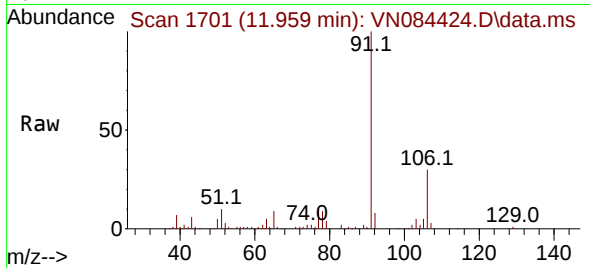




#66  
Ethyl Benzene  
Concen: 8.843 ug/l  
RT: 11.959 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

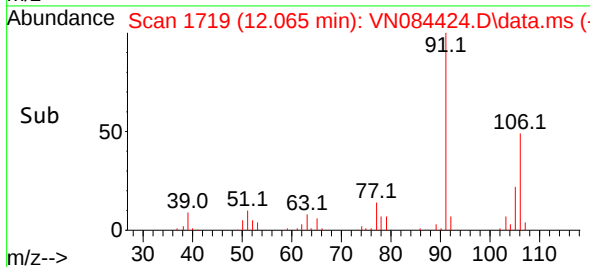
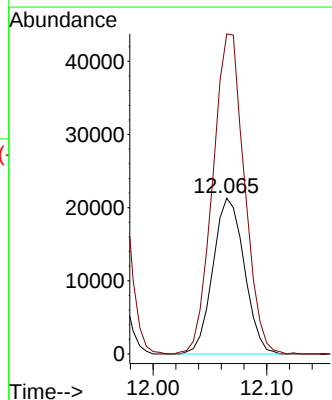
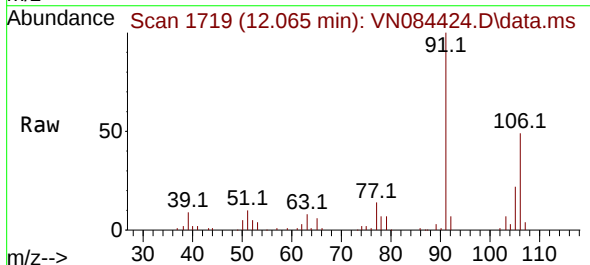
Instrument :  
MSVOA\_N  
ClientSampleId :

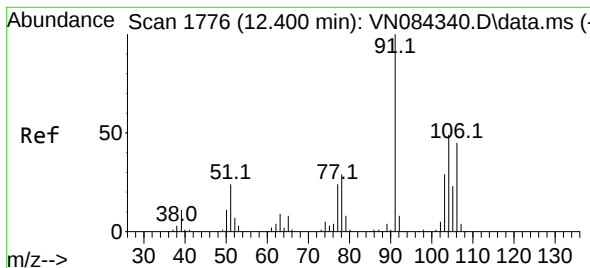
Tgt Ion: 91 Resp: 88756  
Ion Ratio Lower Upper  
91 100  
106 29.9 25.2 37.8



#67  
m/p-Xylenes  
Concen: 10.723 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 106 Resp: 40828  
Ion Ratio Lower Upper  
106 100  
91 207.4 166.7 250.1





#68

o-Xylene

Concen: 5.612 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VN084424.D

Acq: 18 Oct 2024 13:02

Instrument :

MSVOA\_N

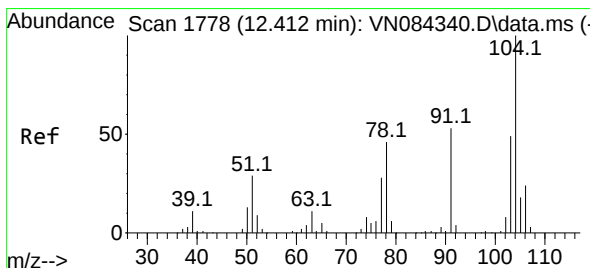
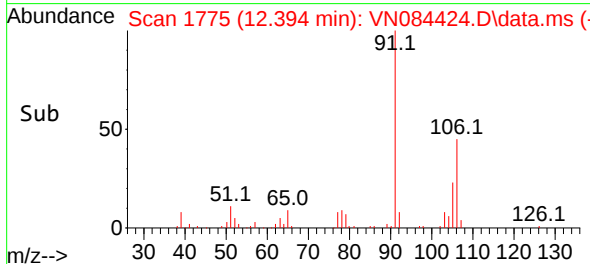
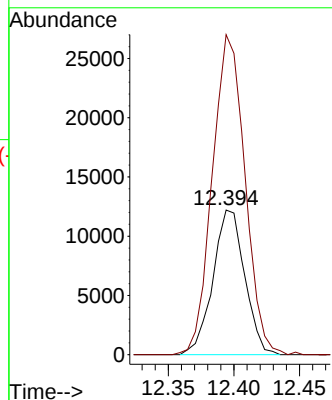
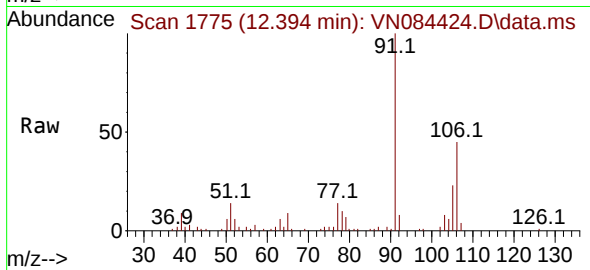
ClientSampleId :

Tgt Ion:106 Resp: 20598

Ion Ratio Lower Upper

106 100

91 227.0 110.9 332.9



#69

Styrene

Concen: 0.852 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN084424.D

Acq: 18 Oct 2024 13:02

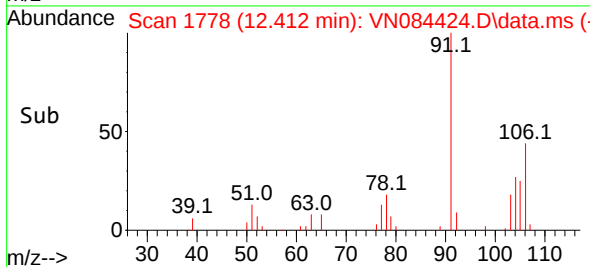
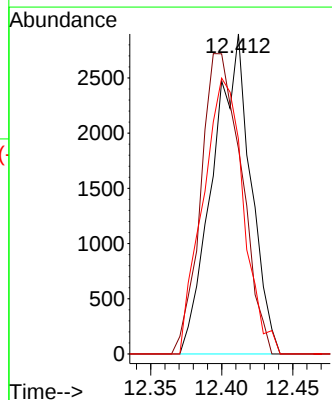
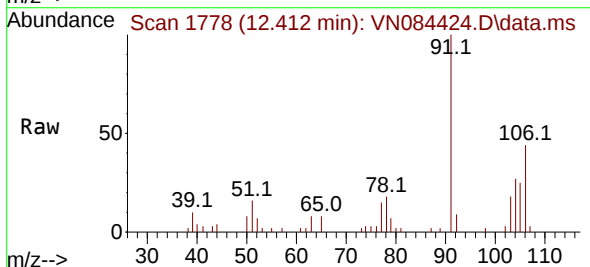
Tgt Ion:104 Resp: 5368

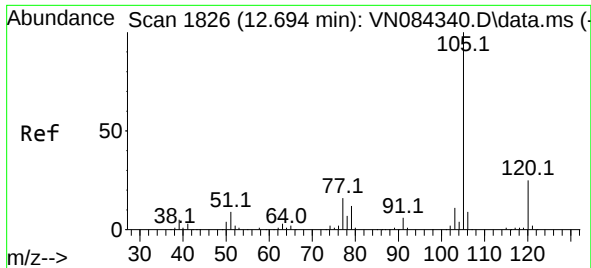
Ion Ratio Lower Upper

104 100

78 101.1 41.6 62.4#

103 92.5 44.4 66.6#

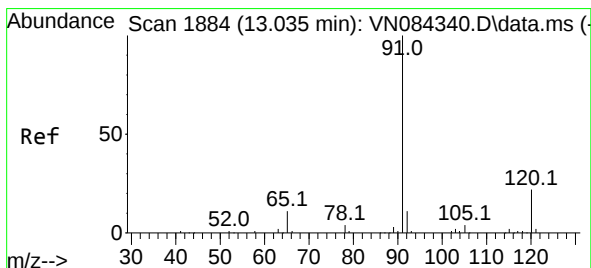
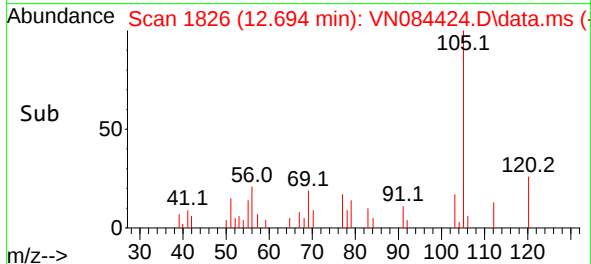
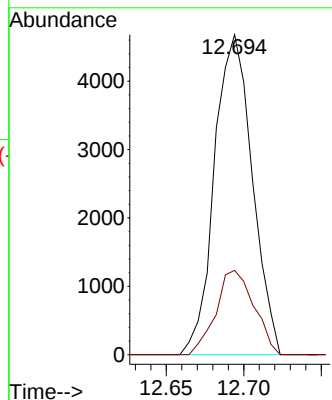
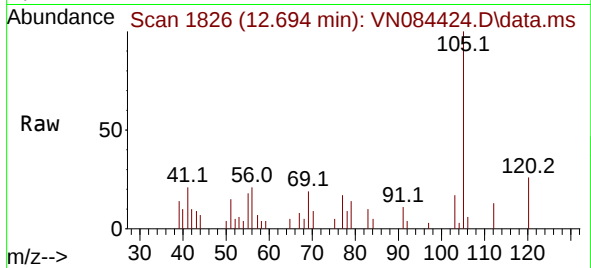




#70  
Isopropylbenzene  
Concen: 0.848 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

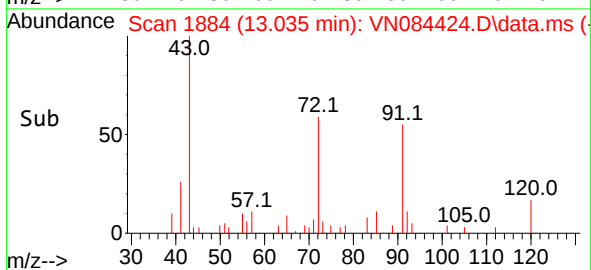
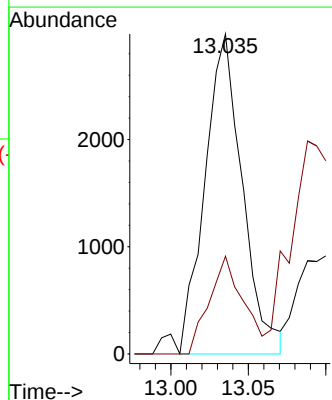
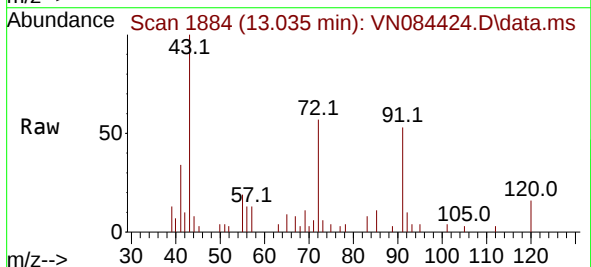
Instrument :  
MSVOA\_N  
ClientSampleId :

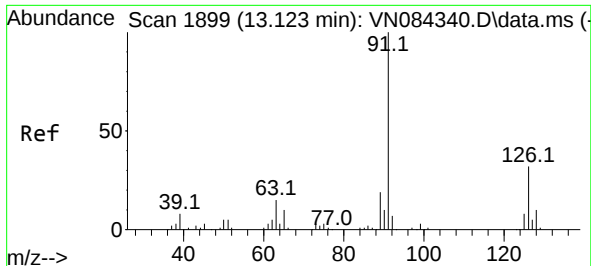
Tgt Ion:105 Resp: 7946  
Ion Ratio Lower Upper  
105 100  
120 26.6 17.4 32.4



#74  
n-propylbenzene  
Concen: 0.449 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 91 Resp: 5010  
Ion Ratio Lower Upper  
91 100  
120 27.8 0.0 43.2

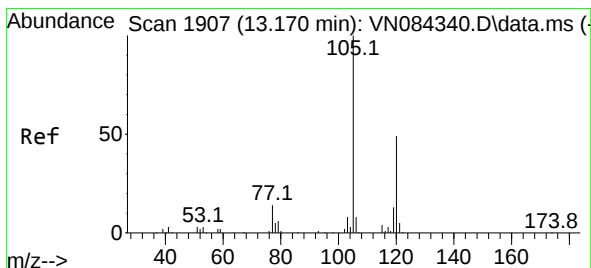
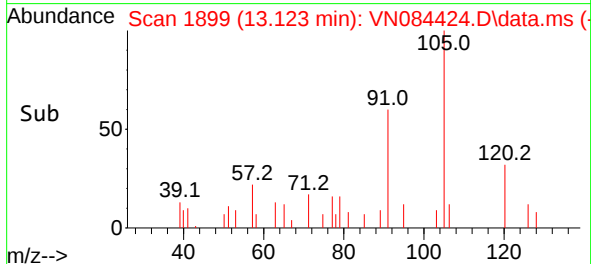
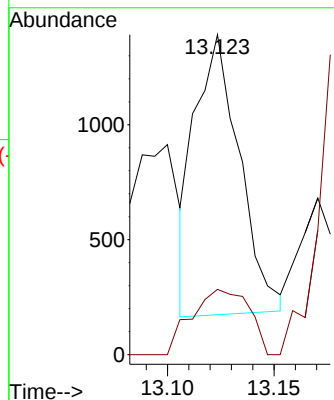
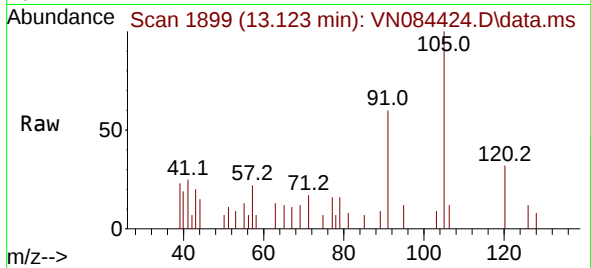




#75  
2-Chlorotoluene  
Concen: 0.256 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

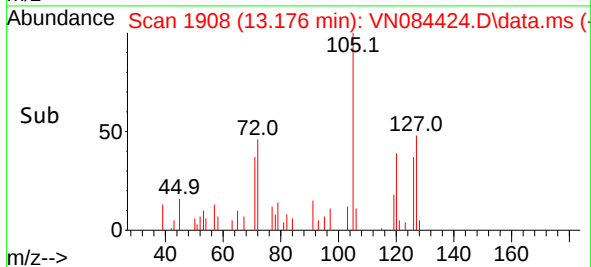
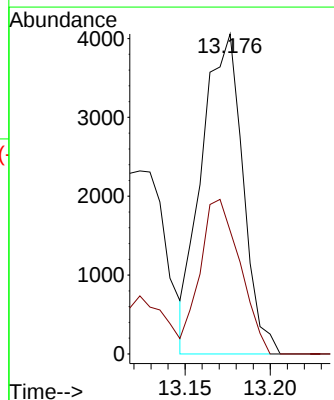
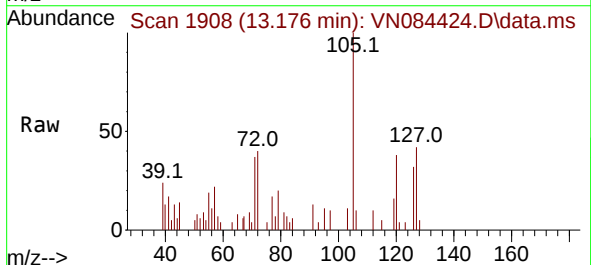
Instrument :  
MSVOA\_N  
ClientSampleId :

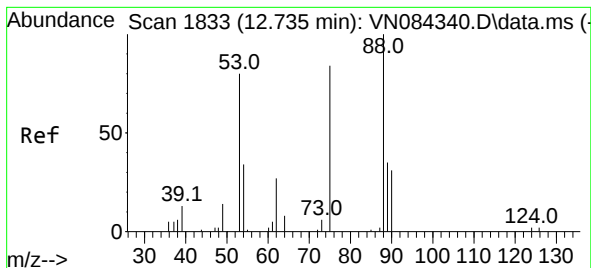
Tgt Ion: 91 Resp: 1774  
Ion Ratio Lower Upper  
91 100  
126 30.0 0.0 64.0



#76  
1,3,5-Trimethylbenzene  
Concen: 0.864 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion: 105 Resp: 6817  
Ion Ratio Lower Upper  
105 100  
120 47.0 0.0 94.4

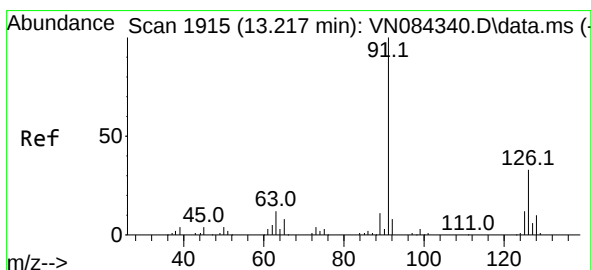
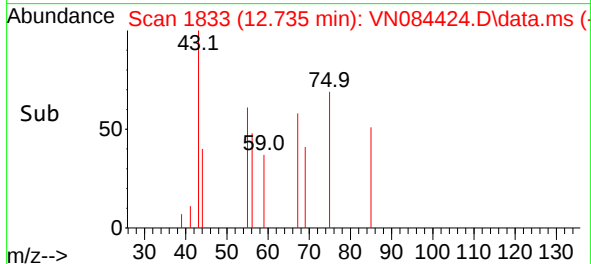
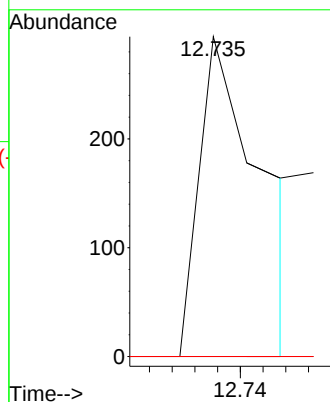
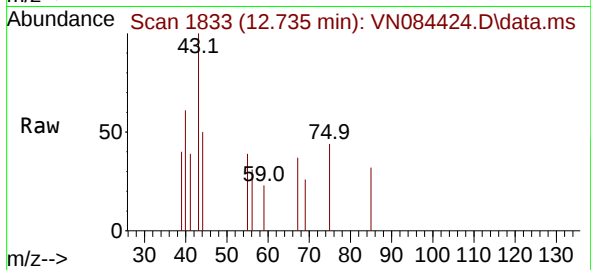




#77  
 t-1,4-Dichloro-2-butene  
 Concen: 0.212 ug/l  
 RT: 12.735 min Scan# 1899  
 Delta R.T. 0.000 min  
 Lab File: VN084424.D  
 Acq: 18 Oct 2024 13:02

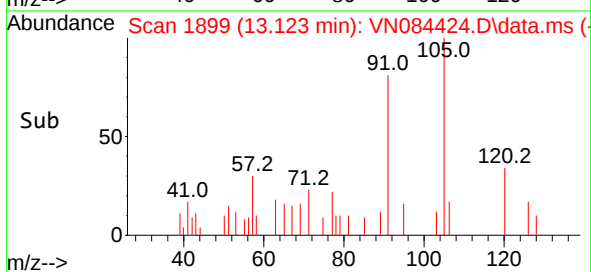
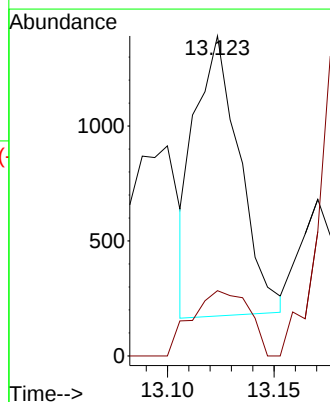
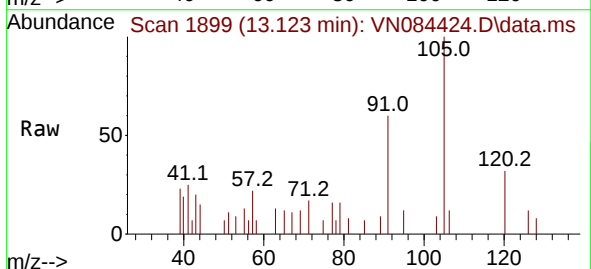
Instrument :  
 MSVOA\_N  
 ClientSampleId :

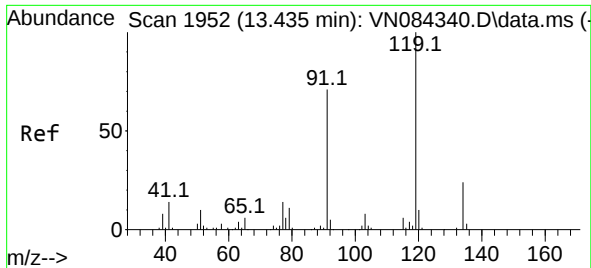
Tgt Ion: 75 Resp: 225  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 47.3 142.0#  
 89 0.0 22.9 68.8#



#78  
 4-Chlorotoluene  
 Concen: 0.251 ug/l  
 RT: 13.123 min Scan# 1899  
 Delta R.T. -0.094 min  
 Lab File: VN084424.D  
 Acq: 18 Oct 2024 13:02

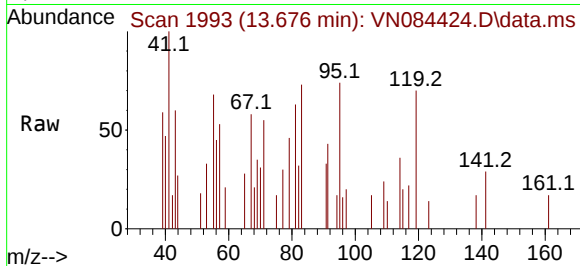
Tgt Ion: 91 Resp: 1774  
 Ion Ratio Lower Upper  
 91 100  
 126 30.0 0.0 62.4



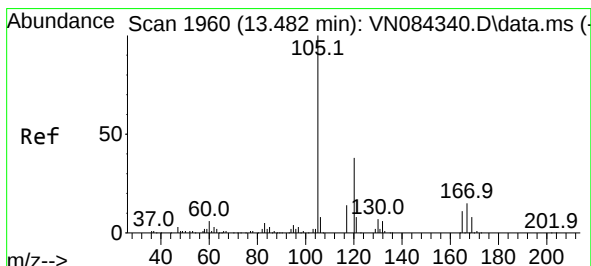
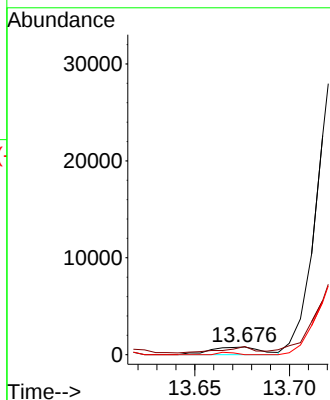
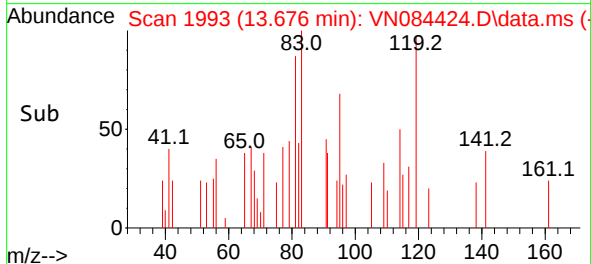


#79  
tert-butylbenzene  
Concen: 0.219 ug/l  
RT: 13.676 min Scan# 1952  
Delta R.T. 0.241 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :

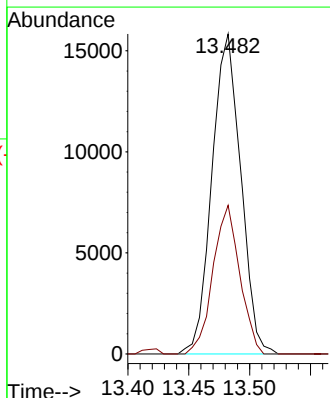
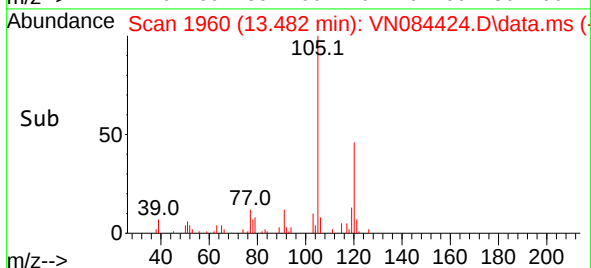
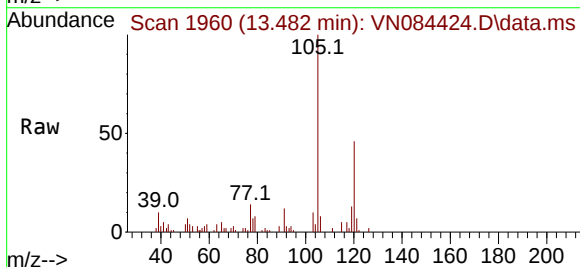


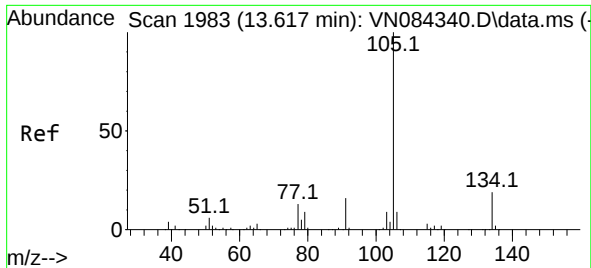
Tgt Ion:119 Resp: 1471  
Ion Ratio Lower Upper  
119 100  
91 55.3 0.0 138.0  
134 10.1 0.0 48.8



#80  
1,2,4-Trimethylbenzene  
Concen: 3.258 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN084424.D  
Acq: 18 Oct 2024 13:02

Tgt Ion:105 Resp: 26081  
Ion Ratio Lower Upper  
105 100  
120 43.2 0.0 88.8

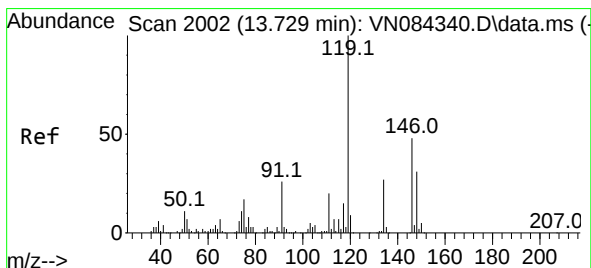
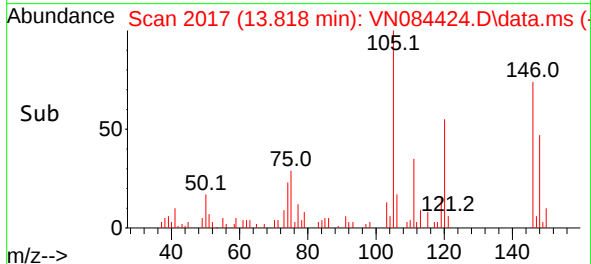
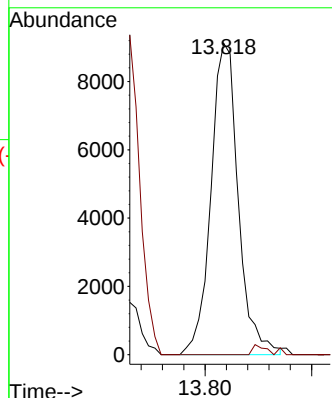
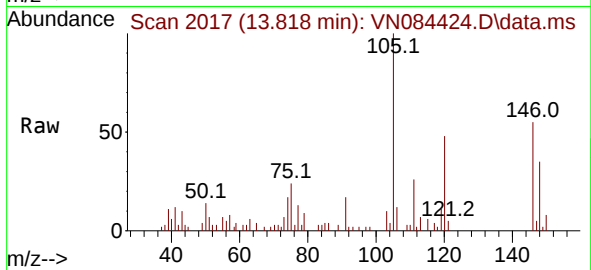




#81  
 sec-Butylbenzene  
 Concen: 1.752 ug/l  
 RT: 13.818 min Scan# 2017  
 Delta R.T. 0.200 min  
 Lab File: VN084424.D  
 Acq: 18 Oct 2024 13:02

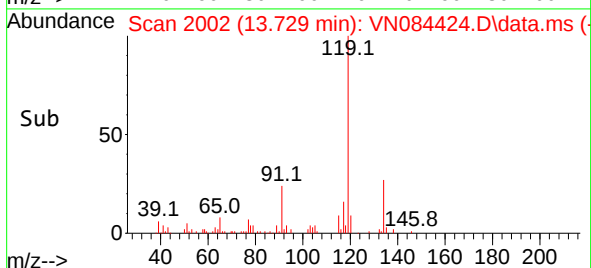
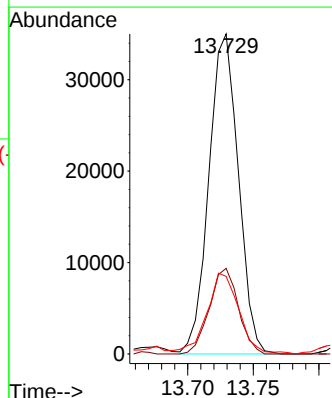
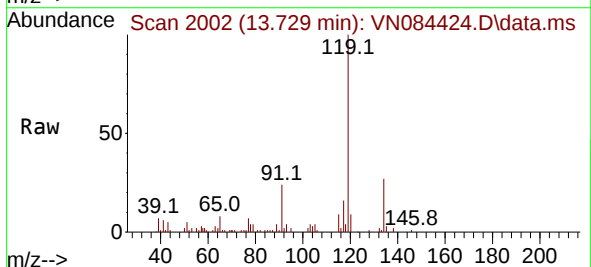
Instrument :  
 MSVOA\_N  
 ClientSampleId :

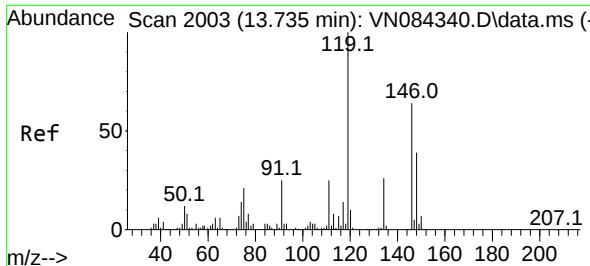
Tgt Ion:105 Resp: 16238  
 Ion Ratio Lower Upper  
 105 100  
 134 1.4 0.0 38.0



#82  
 p-Isopropyltoluene  
 Concen: 7.024 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084424.D  
 Acq: 18 Oct 2024 13:02

Tgt Ion:119 Resp: 54781  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 0.0 50.2  
 91 26.5 0.0 50.6





#83

1,3-Dichlorobenzene

Concen: 2.494 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.077 min

Lab File: VN084424.D

Acq: 18 Oct 2024 13:02

Instrument :

MSVOA\_N

ClientSampleId :

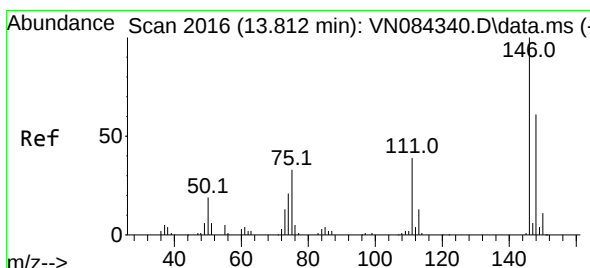
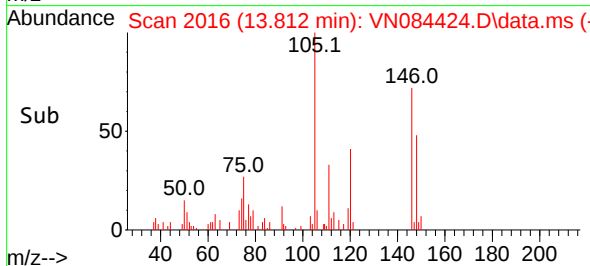
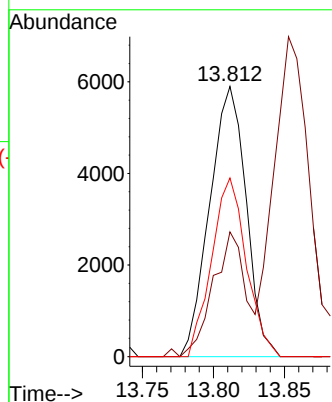
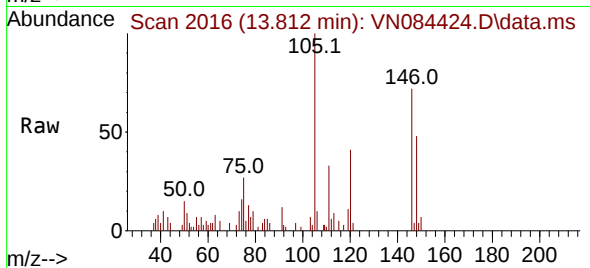
Tgt Ion:146 Resp: 10524

Ion Ratio Lower Upper

146 100

111 41.1 20.6 61.9

148 63.0 31.6 94.7



#84

1,4-Dichlorobenzene

Concen: 2.512 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN084424.D

Acq: 18 Oct 2024 13:02

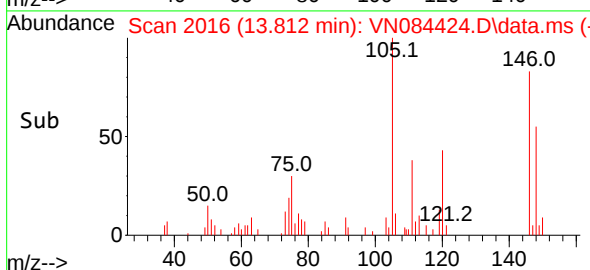
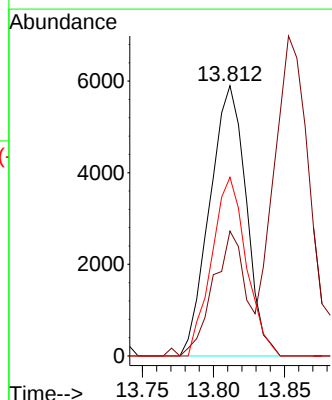
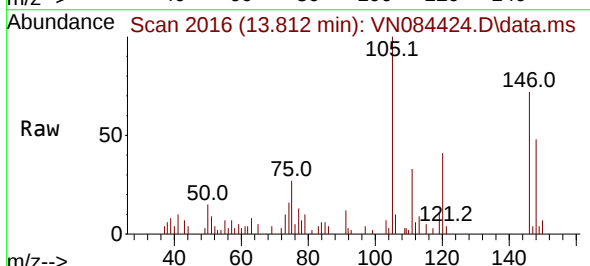
Tgt Ion:146 Resp: 10524

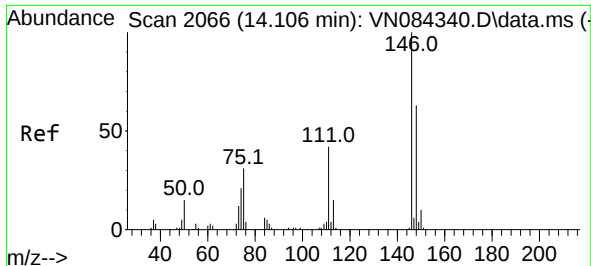
Ion Ratio Lower Upper

146 100

111 41.1 20.5 61.5

148 63.0 32.5 97.4





#87

1,2-Dichlorobenzene

Concen: 0.233 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN084424.D

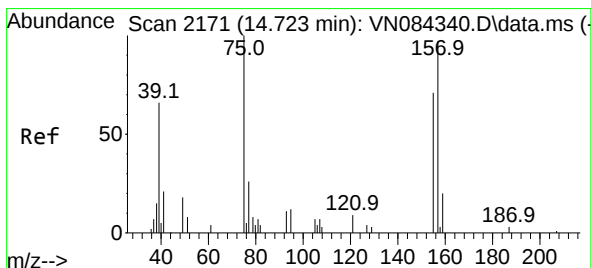
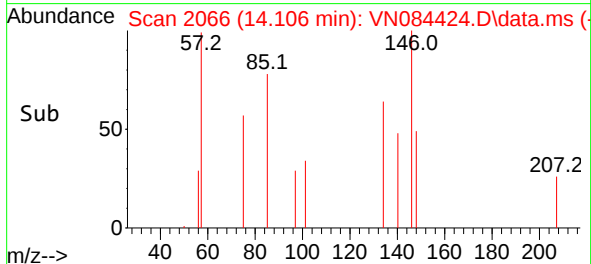
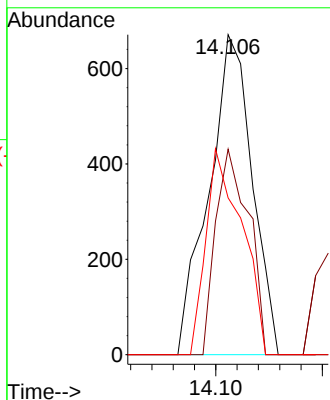
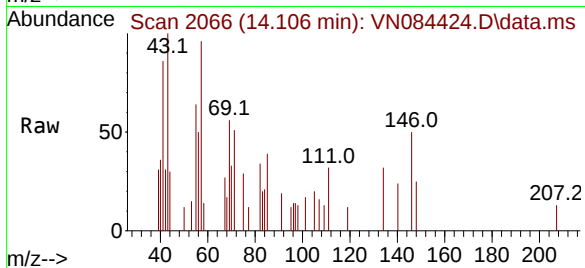
Acq: 18 Oct 2024 13:02

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 949   |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 48.9  | 21.9  | 65.5  |
| 148      | 53.4  | 31.1  | 93.5  |



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.299 ug/l

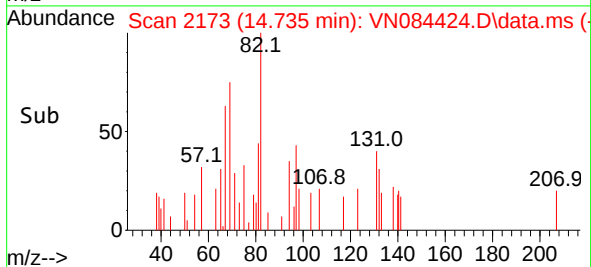
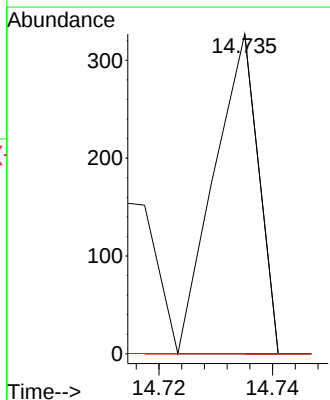
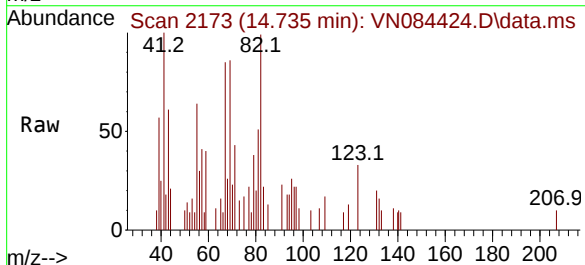
RT: 14.735 min Scan# 2173

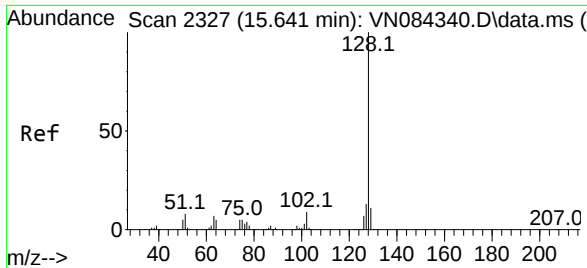
Delta R.T. 0.012 min

Lab File: VN084424.D

Acq: 18 Oct 2024 13:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 177    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 0.0   | 61.8  | 92.8#  |
| 157      | 0.0   | 77.4  | 116.0# |





#91

Naphthalene

Concen: 21.588 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

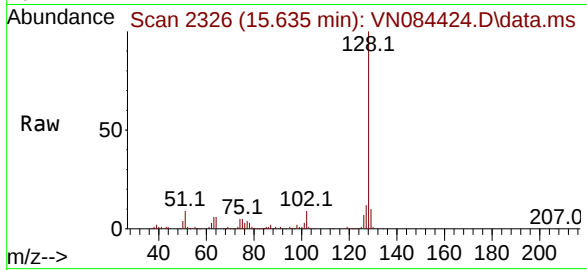
Lab File: VN084424.D

Acq: 18 Oct 2024 13:02

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion:128 Resp: 155162

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.2 8.8 13.2

