

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090122\  
 Data File : VN074250.D  
 Acq On : 01 Sep 2022 18:22  
 Operator : JC\MD  
 Sample : N4329-06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 02 05:40:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083022W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 31 07:02:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|-----------|--------|-----------|
| -----                         |        |       |          |           |        |           |
| Internal Standards            |        |       |          |           |        |           |
| 1) Pentafluorobenzene         | 8.022  | 168   | 280859   | 50.000    | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 522635   | 50.000    | ug/l   | 0.00      |
| 63) Chlorobenzene-d5          | 11.686 | 117   | 503848   | 50.000    | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4    | 13.615 | 152   | 189370   | 50.000    | ug/l   | 0.00      |
| System Monitoring Compounds   |        |       |          |           |        |           |
| 33) 1,2-Dichloroethane-d4     | 8.375  | 65    | 213512   | 49.006    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 98.020%   |
| 35) Dibromofluoromethane      | 7.951  | 113   | 172354   | 50.679    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 101.360%  |
| 50) Toluene-d8                | 10.380 | 98    | 647284   | 48.329    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 96.660%   |
| 62) 4-Bromofluorobenzene      | 12.668 | 95    | 257549   | 63.234    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 126.460%# |
| Target Compounds              |        |       |          |           |        |           |
|                               |        |       |          |           | Qvalue |           |
| 3) Chloromethane              | 2.269  | 50    | 854      | 0.209     | ug/l # | 46        |
| 6) Chloroethane               | 2.922  | 64    | 3442     | Below Cal |        | 96        |
| 11) Tert butyl alcohol        | 5.304  | 59    | 246      | Below Cal | #      | 72        |
| 13) Acrolein                  | 3.922  | 56    | 1053     | 1.093     | ug/l # | 1         |
| 14) Allyl chloride            | 4.992  | 41    | 200534   | 27.309    | ug/l # | 67        |
| 15) Acrylonitrile             | 5.528  | 53    | 35140    | 11.164    | ug/l # | 40        |
| 16) Acetone                   | 4.187  | 43    | 92988    | 31.941    | ug/l # | 46        |
| 17) Carbon Disulfide          | 4.475  | 76    | 2977     | 0.318     | ug/l # | 75        |
| 18) Methyl Acetate            | 4.992  | 43    | 512144   | 70.291    | ug/l # | 48        |
| 20) Methylene Chloride        | 4.981  | 84    | 1559     | Below Cal | #      | 1         |
| 25) 2-Butanone                | 7.263  | 43    | 31036    | 6.664     | ug/l # | 81        |
| 26) 2,2-Dichloropropane       | 7.069  | 77    | 8003     | 1.940     | ug/l # | 53        |
| 31) Cyclohexane               | 8.022  | 56    | 554787   | 77.069    | ug/l # | 82        |
| 36) 1,1-Dichloropropene       | 8.010  | 75    | 27585    | 4.999     | ug/l # | 41        |
| 37) Ethyl Acetate             | 7.263  | 43    | 31036    | 3.363     | ug/l # | 67        |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 31850    | 6.355     | ug/l # | 18        |
| 39) Methylcyclohexane         | 9.392  | 83    | 632851   | 97.698    | ug/l   | 92        |
| 40) Benzene                   | 8.386  | 78    | 227076   | 13.106    | ug/l   | 99        |
| 41) Methacrylonitrile         | 7.604  | 41    | 5623     | 1.320     | ug/l # | 17        |
| 43) Isopropyl Acetate         | 8.486  | 43    | 69613    | 5.611     | ug/l # | 54        |
| 45) 1,2-Dichloropropane       | 9.392  | 63    | 8762     | 1.873     | ug/l # | 1         |
| 47) Bromodichloromethane      | 9.674  | 83    | 10129    | 1.654     | ug/l # | 26        |
| 48) Methyl methacrylate       | 9.580  | 41    | 72544    | 12.311    | ug/l # | 68        |
| 49) 1,4-Dioxane               | 9.369  | 88    | 56       | 0.440     | ug/l # | 1         |
| 51) 4-Methyl-2-Pentanone      | 10.274 | 43    | 9186     | 1.020     | ug/l   | 90        |
| 52) Toluene                   | 10.445 | 92    | 72577    | 7.107     | ug/l   | 99        |
| 55) 1,1,2-Trichloroethane     | 10.816 | 97    | 60170    | 13.621    | ug/l # | 21        |
| 56) Ethyl methacrylate        | 10.727 | 69    | 10667    | 1.593     | ug/l # | 1         |
| 58) 2-Chloroethyl Vinyl ether | 9.910  | 63    | 5985     | 1.767     | ug/l # | 44        |
| 59) 2-Hexanone                | 11.074 | 43    | 1402     | 0.205     | ug/l   | 72        |
| 67) Ethyl Benzene             | 11.786 | 91    | 253443   | 12.456    | ug/l   | 98        |
| 68) m/p-Xylenes               | 11.892 | 106   | 78279    | 10.356    | ug/l   | 98        |
| 69) o-Xylene                  | 12.215 | 106   | 23877    | 3.170     | ug/l   | 92        |
| 73) Isopropylbenzene          | 12.521 | 105   | 726312   | 44.785    | ug/l   | 97        |
| 74) N-amyl acetate            | 12.333 | 43    | 2188     | 0.238     | ug/l # | 1         |
| 75) 1,1,2,2-Tetrachloroethane | 12.786 | 83    | 5112     | 0.760     | ug/l # | 91        |

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083022W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 31 07:02:40 2022  
 Response via : Initial Calibration

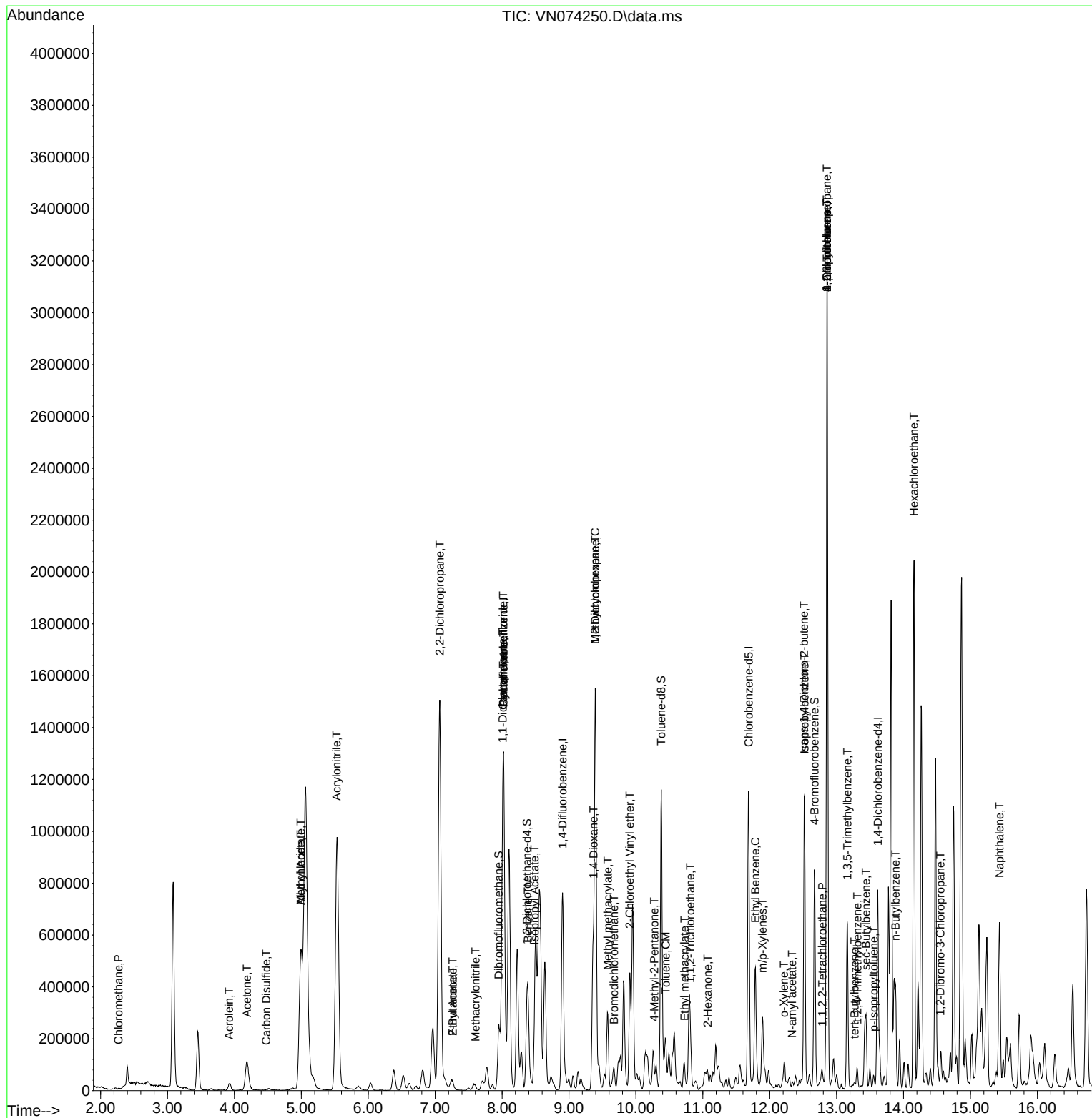
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 76) 1,2,3-Trichloropropane    | 12.857 | 75   | 16919    | 1.704   | ug/l # | 1        |
| 78) n-propylbenzene           | 12.857 | 91   | 2446436  | 132.339 | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 12.857 | 91   | 2446436  | 216.056 | ug/l # | 40       |
| 80) 1,3,5-Trimethylbenzene    | 13.162 | 105  | 402070   | 30.484  | ug/l   | 71       |
| 81) trans-1,4-Dichloro-2-b... | 12.515 | 75   | 9055     | 4.963   | ug/l # | 58       |
| 82) 4-Chlorotoluene           | 12.857 | 91   | 2446436  | 223.289 | ug/l # | 40       |
| 83) tert-Butylbenzene         | 13.268 | 119  | 5220     | 0.463   | ug/l # | 58       |
| 84) 1,2,4-Trimethylbenzene    | 13.310 | 105  | 41221    | 3.238   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.439 | 105  | 160547   | 10.144  | ug/l # | 71       |
| 86) p-Isopropyltoluene        | 13.557 | 119  | 25760    | 2.092   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.880 | 91   | 230147   | 21.458  | ug/l # | 75       |
| 90) Hexachloroethane          | 14.157 | 117  | 98049    | 38.620  | ug/l # | 9        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.551 | 75   | 875      | 0.651   | ug/l # | 1        |
| 95) Naphthalene               | 15.433 | 128  | 530567   | 37.224  | ug/l   | 99       |
| -----                         |        |      |          |         |        |          |

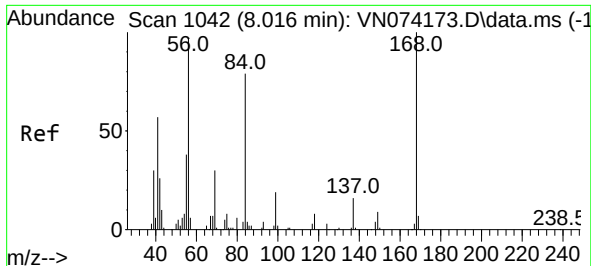
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Aug 31 07:02:40 2022  
Response via : Initial Calibration

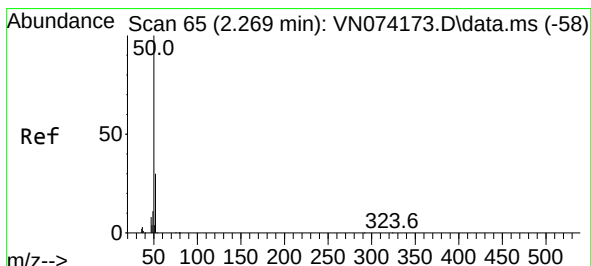
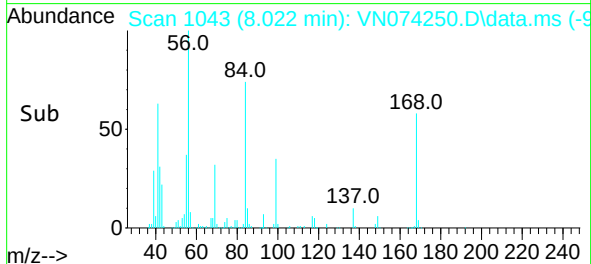
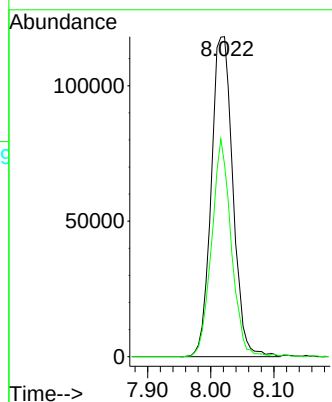
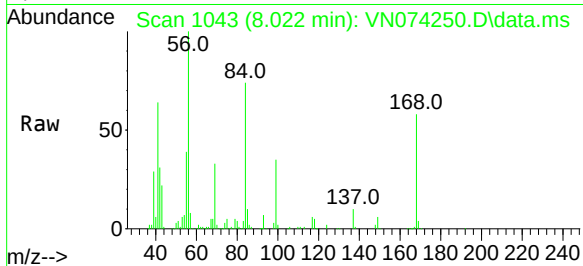




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.022 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

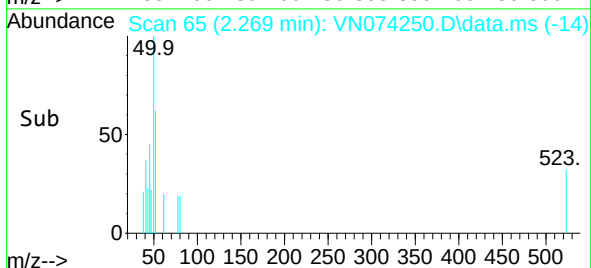
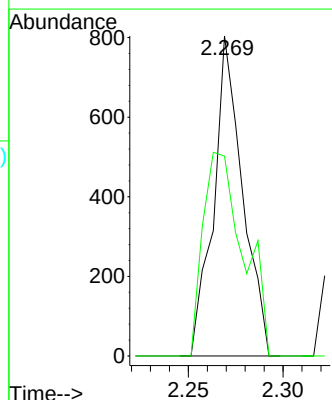
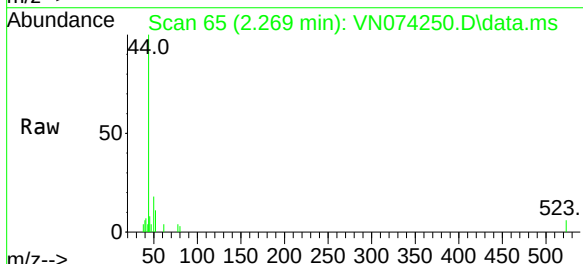
Instrument :  
MSVOA\_N  
ClientSampleId :

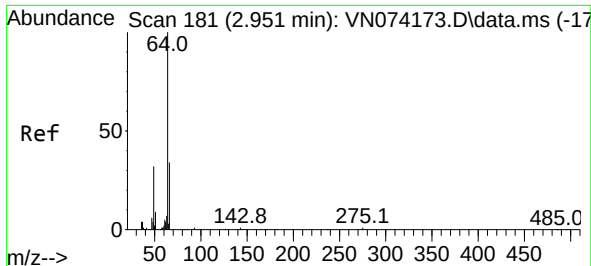
Tgt Ion:168 Resp: 280859  
Ion Ratio Lower Upper  
168 100  
99 60.1 42.3 63.5



#3  
Chloromethane  
Concen: 0.209 ug/l  
RT: 2.269 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

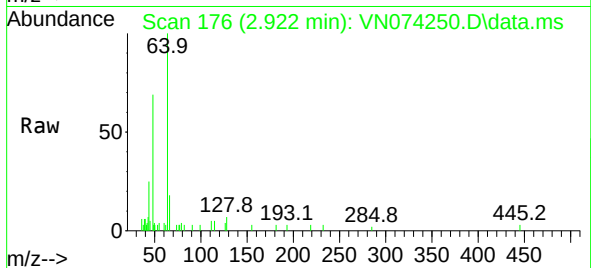
Tgt Ion: 50 Resp: 854  
Ion Ratio Lower Upper  
50 100  
52 62.4 25.7 38.5#



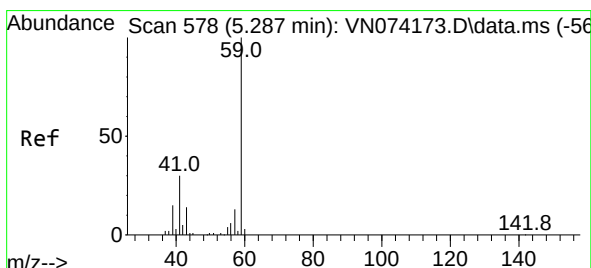
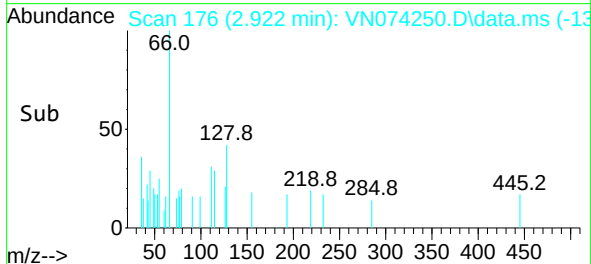
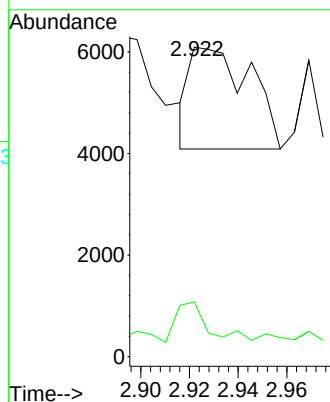


#6  
Chloroethane  
Concen: Below Cal  
RT: 2.922 min Scan# 11  
Delta R.T. -0.029 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Instrument :  
MSVOA\_N  
ClientSampleId :

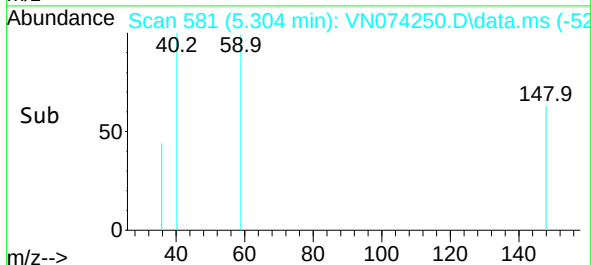
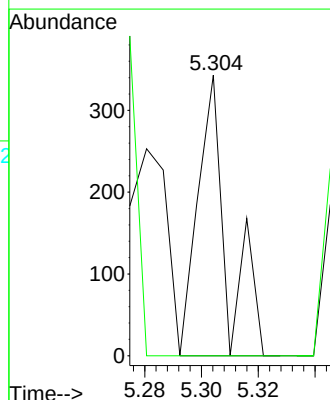
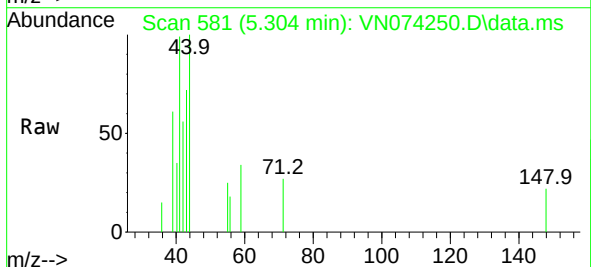


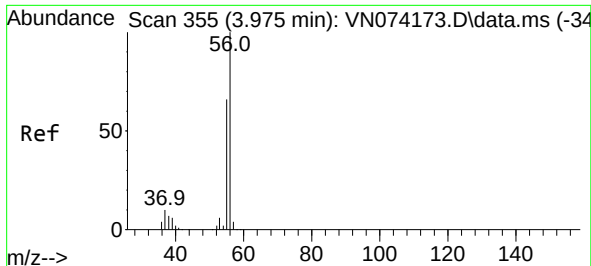
Tgt Ion: 64 Resp: 3442  
Ion Ratio Lower Upper  
64 100  
66 35.0 26.2 39.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.304 min Scan# 581  
Delta R.T. 0.017 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

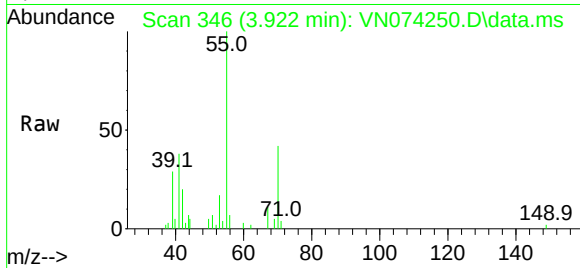
Tgt Ion: 59 Resp: 246  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



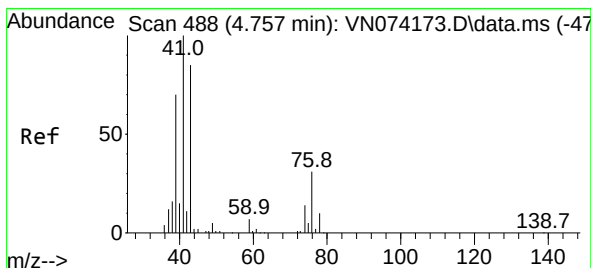
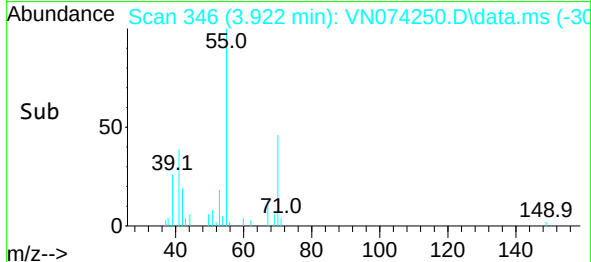
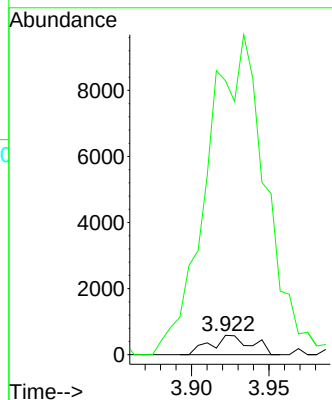


#13  
Acrolein  
Concen: 1.093 ug/l  
RT: 3.922 min Scan# 34  
Delta R.T. -0.053 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Instrument :  
MSVOA\_N  
ClientSampleId :

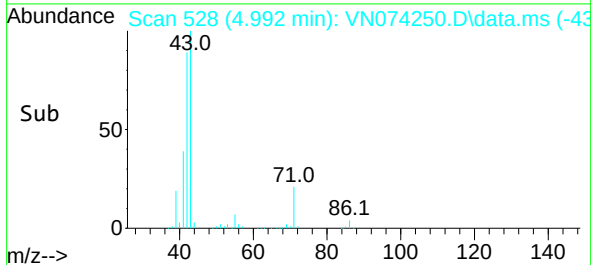
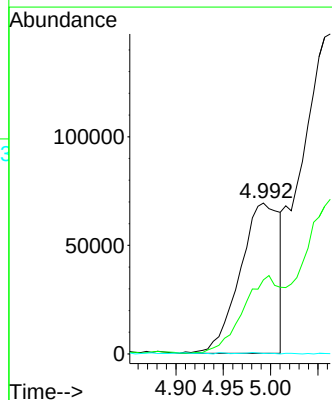
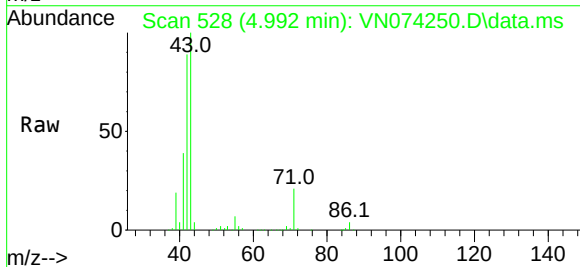


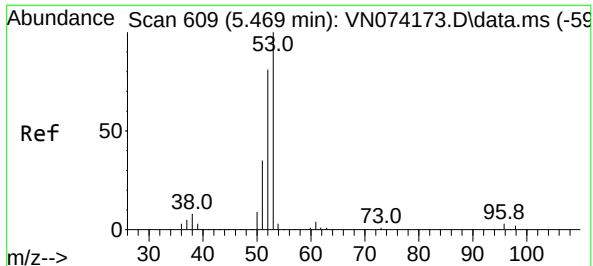
Tgt Ion: 56 Resp: 1053  
Ion Ratio Lower Upper  
56 100  
55 2444.2 54.8 82.2#



#14  
Allyl chloride  
Concen: 27.309 ug/l  
RT: 4.992 min Scan# 528  
Delta R.T. 0.235 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

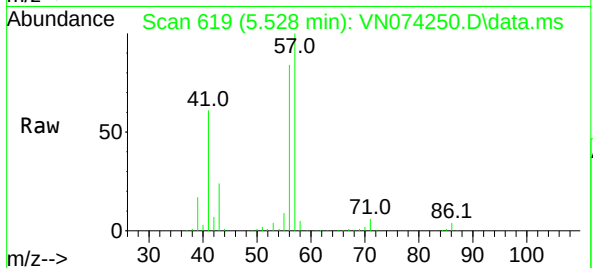
Tgt Ion: 41 Resp: 200534  
Ion Ratio Lower Upper  
41 100  
39 52.7 53.2 79.8#  
76 0.4 29.9 44.9#



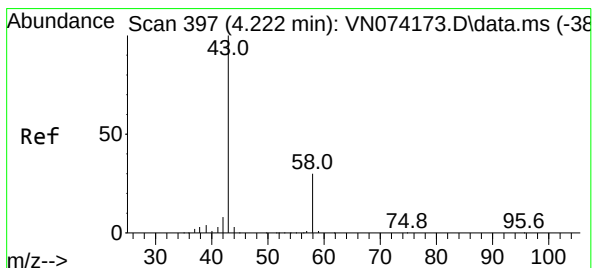
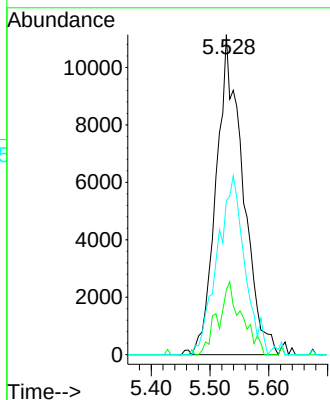
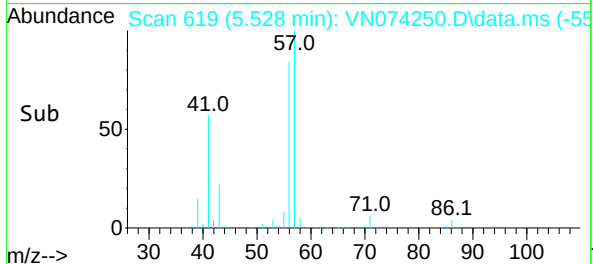


#15  
Acrylonitrile  
Concen: 11.164 ug/l  
RT: 5.528 min Scan# 619  
Delta R.T. 0.059 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Instrument :  
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ClientSampleId :

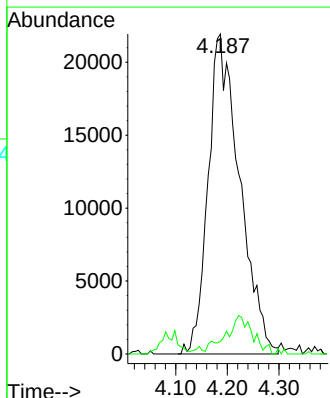
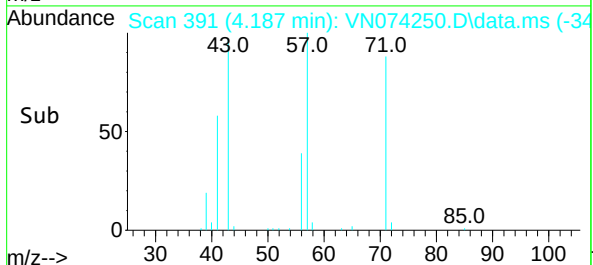
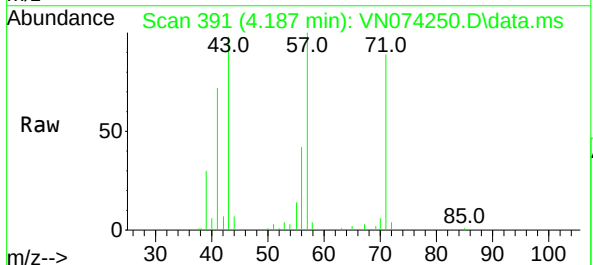


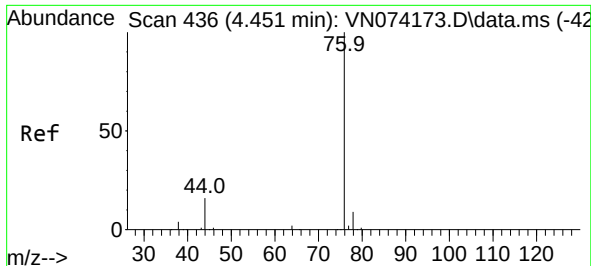
Tgt Ion: 53 Resp: 35140  
Ion Ratio Lower Upper  
53 100  
52 20.4 66.4 99.6#  
51 57.5 28.5 42.7#



#16  
Acetone  
Concen: 31.941 ug/l  
RT: 4.187 min Scan# 391  
Delta R.T. -0.035 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

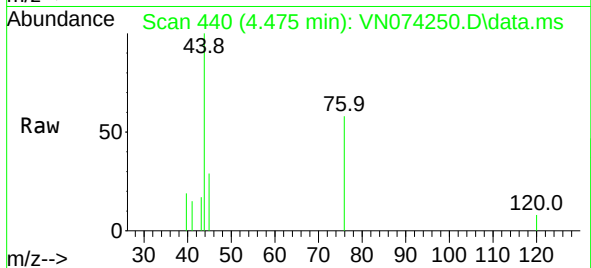
Tgt Ion: 43 Resp: 92988  
Ion Ratio Lower Upper  
43 100  
58 2.2 26.0 39.0#



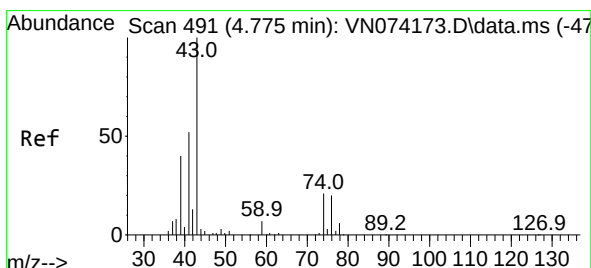
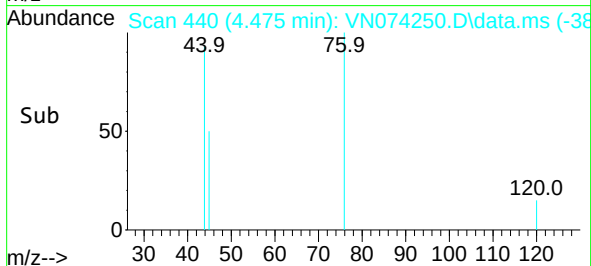
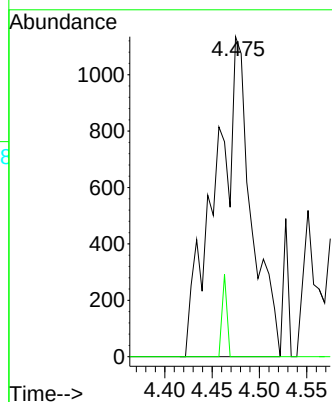


#17  
Carbon Disulfide  
Concen: 0.318 ug/l  
RT: 4.475 min Scan# 44  
Delta R.T. 0.023 min  
Lab File: VN074250.D  
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MSVOA\_N  
ClientSampleId :

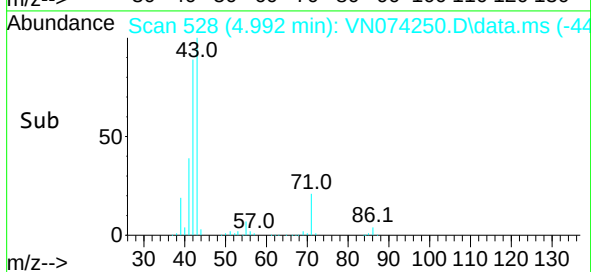
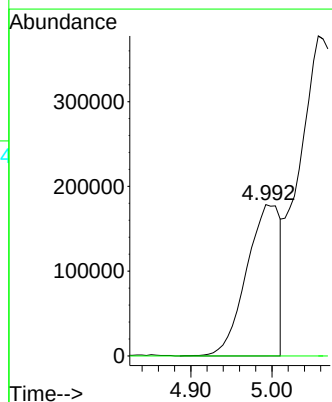
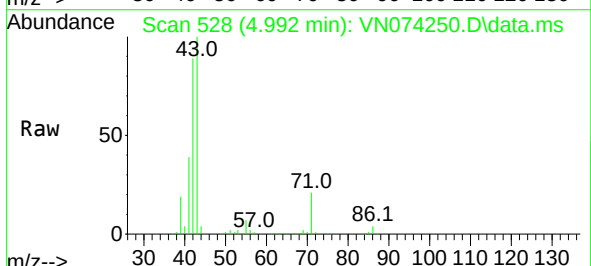


Tgt Ion: 76 Resp: 2977  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

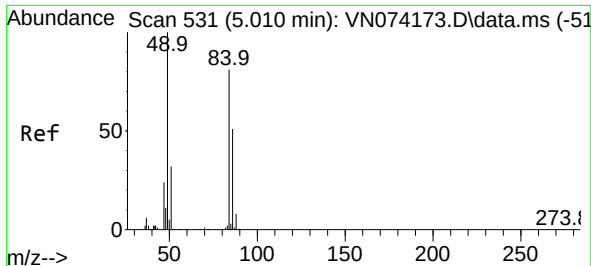


#18  
Methyl Acetate  
Concen: 70.291 ug/l  
RT: 4.992 min Scan# 528  
Delta R.T. 0.217 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion: 43 Resp: 512144  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.6 32.4#

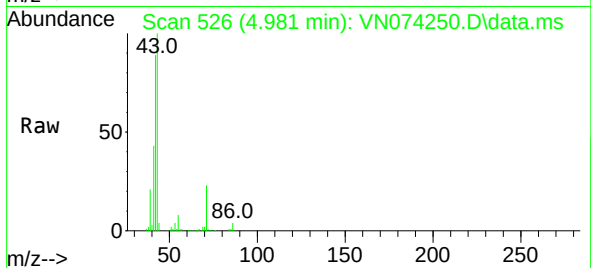




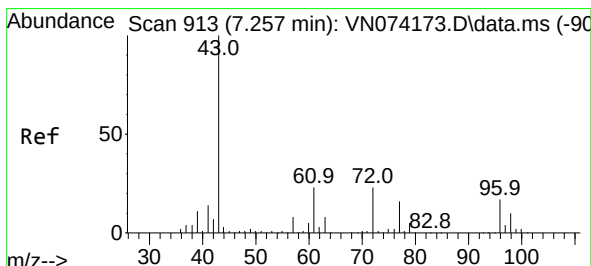
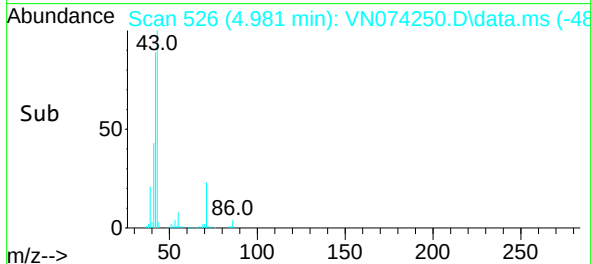
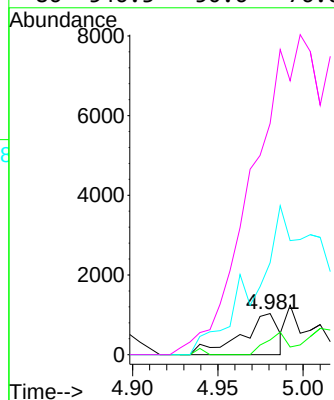


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.981 min Scan# 51  
Delta R.T. -0.029 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Instrument :  
MSVOA\_N  
ClientSampleId :

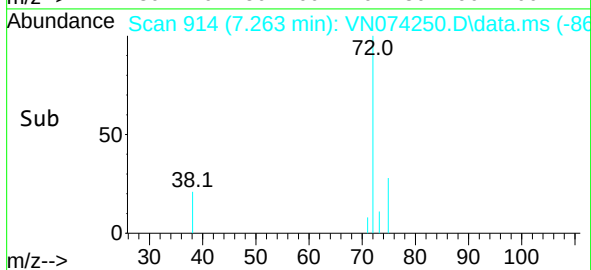
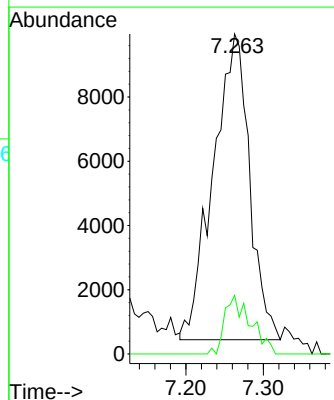
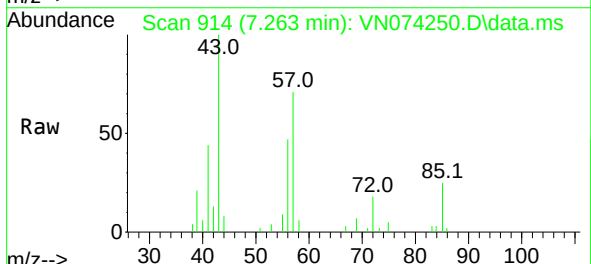


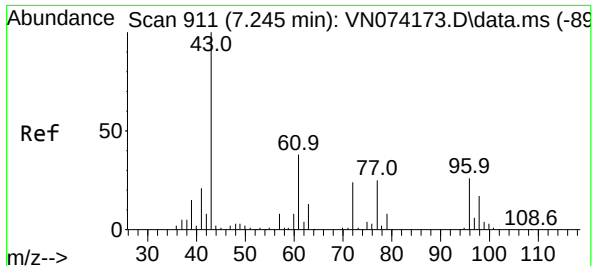
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1559   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 35.7  | 88.3  | 132.5# |
| 51       | 223.7 | 28.2  | 42.2#  |
| 86       | 546.3 | 50.6  | 76.0#  |



#25  
2-Butanone  
Concen: 6.664 ug/l  
RT: 7.263 min Scan# 914  
Delta R.T. 0.006 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 31036 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 19.2  | 23.7  | 35.5# |





#26

2,2-Dichloropropane

Concen: 1.940 ug/l

RT: 7.069 min Scan# 81

Delta R.T. -0.176 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

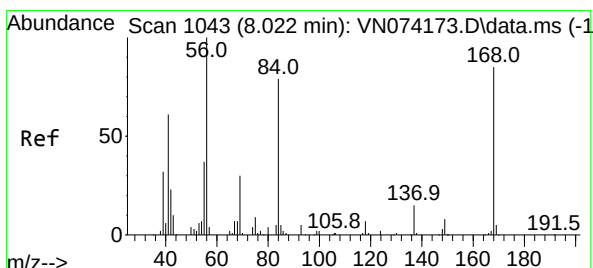
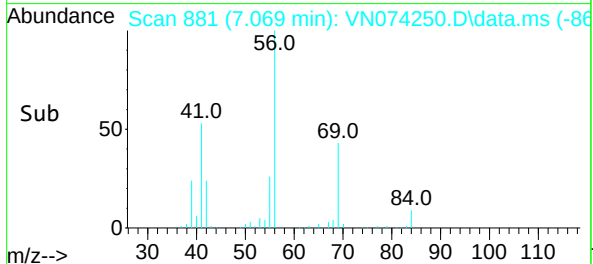
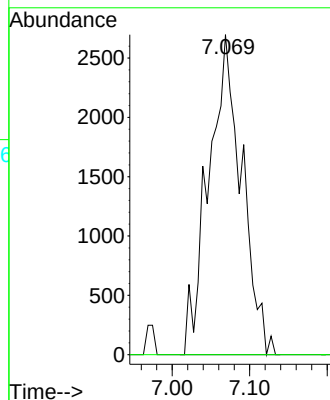
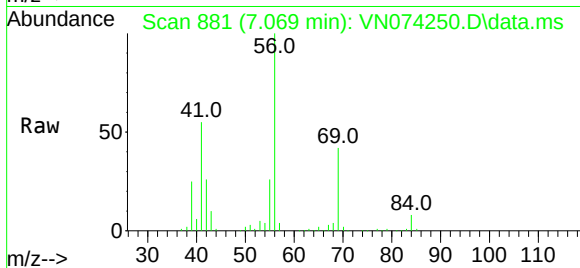
ClientSampleId :

Tgt Ion: 77 Resp: 8003

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 77.069 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

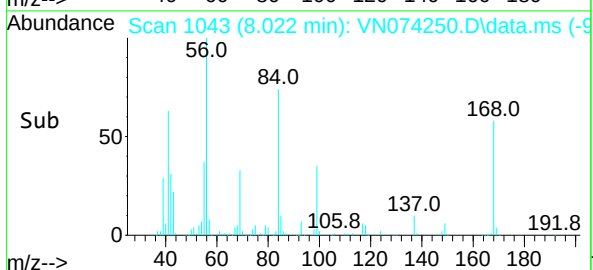
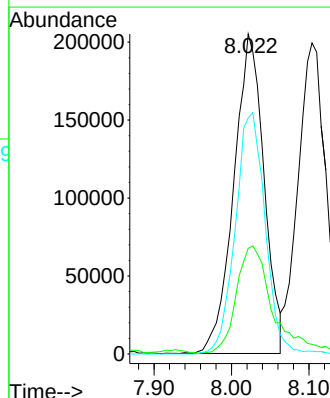
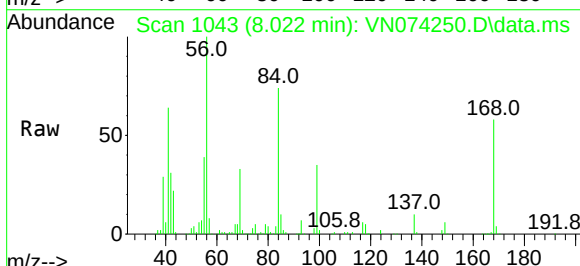
Tgt Ion: 56 Resp: 554787

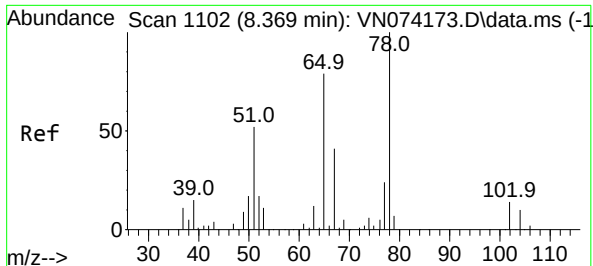
Ion Ratio Lower Upper

56 100

69 32.0 27.8 41.8

84 73.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.006 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

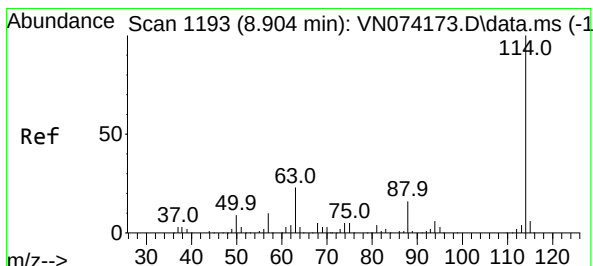
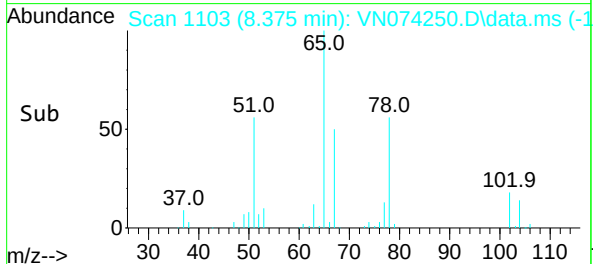
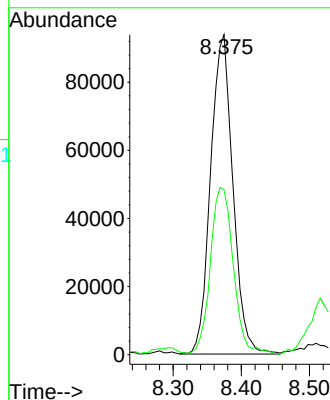
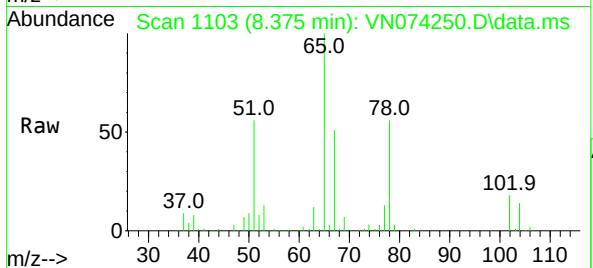
ClientSampleId :

Tgt Ion: 65 Resp: 213512

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

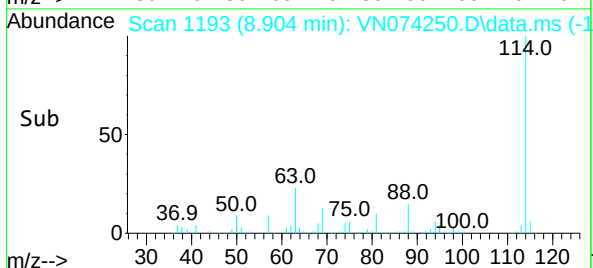
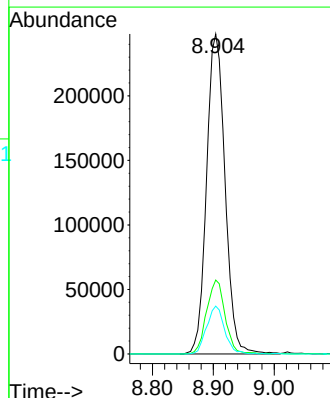
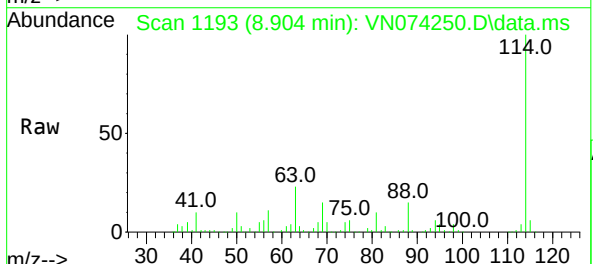
Tgt Ion: 114 Resp: 522635

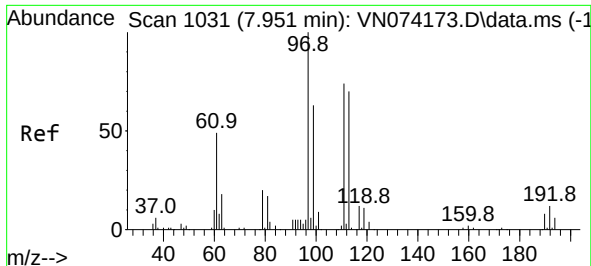
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

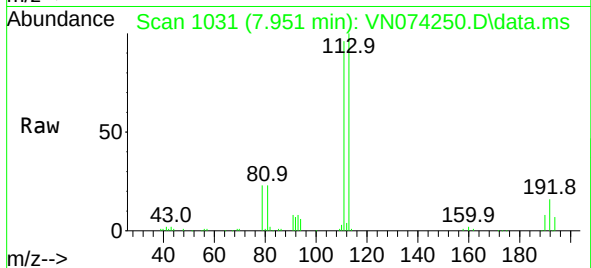
88 15.0 0.0 32.6



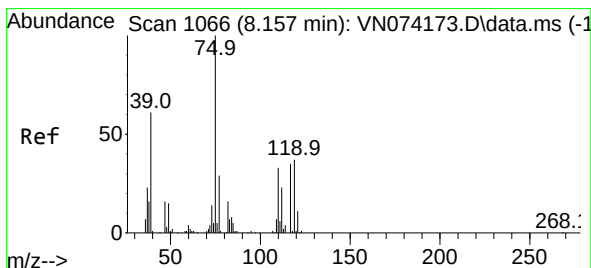
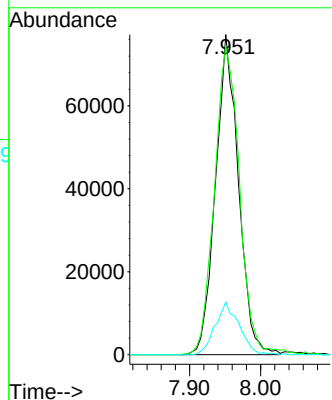
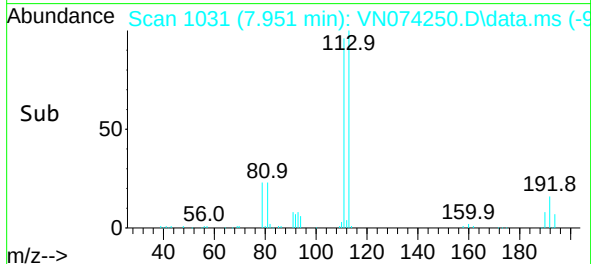


#35  
Dibromofluoromethane  
Concen: 50.679 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

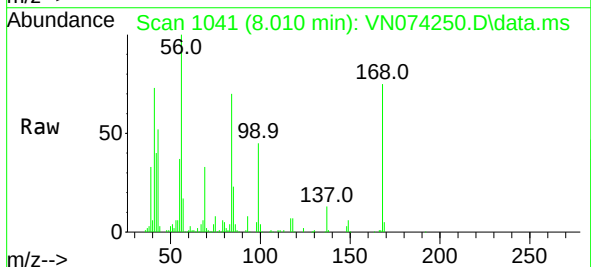
Instrument :  
MSVOA\_N  
ClientSampleId :



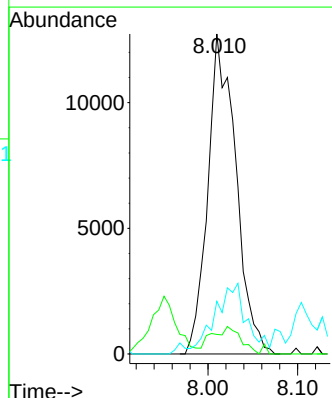
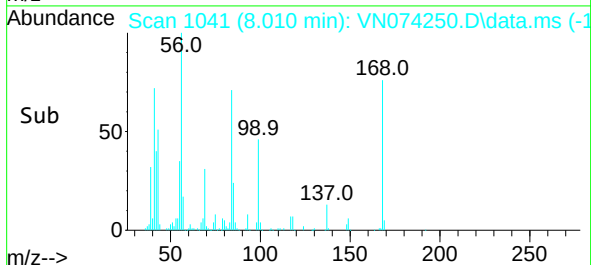
Tgt Ion:113 Resp: 172354  
Ion Ratio Lower Upper  
113 100  
111 106.1 81.4 122.0  
192 17.3 17.0 25.6

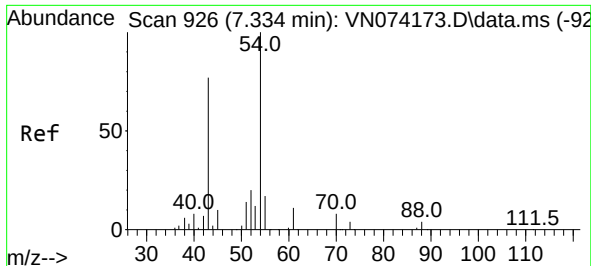


#36  
1,1-Dichloropropene  
Concen: 4.999 ug/l  
RT: 8.010 min Scan# 1041  
Delta R.T. -0.147 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22



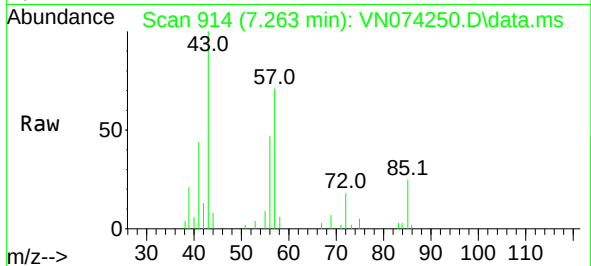
Tgt Ion: 75 Resp: 27585  
Ion Ratio Lower Upper  
75 100  
110 0.0 18.3 54.8#  
77 0.0 25.1 37.7#



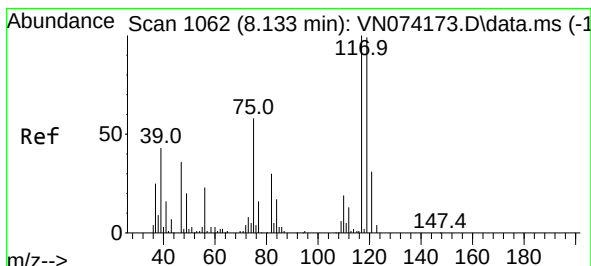
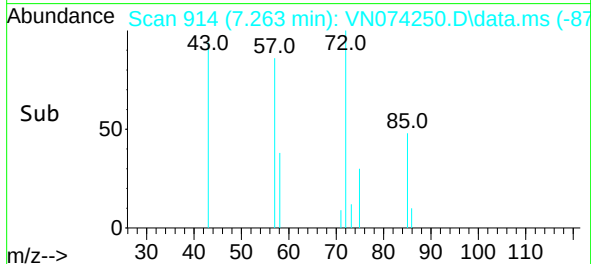
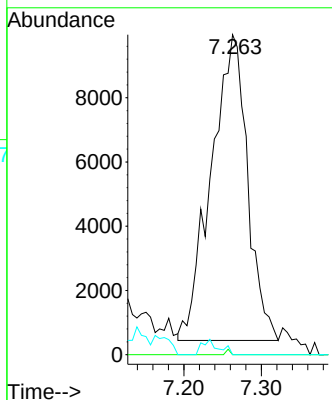


#37  
Ethyl Acetate  
Concen: 3.363 ug/l  
RT: 7.263 min Scan# 91  
Delta R.T. -0.071 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Instrument :  
MSVOA\_N  
ClientSampleId :

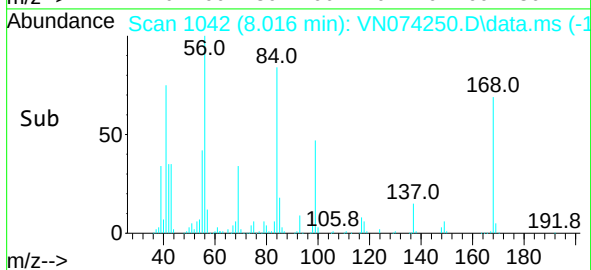
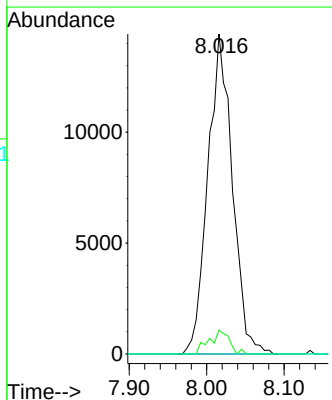
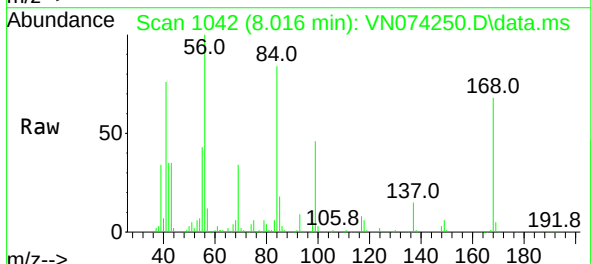


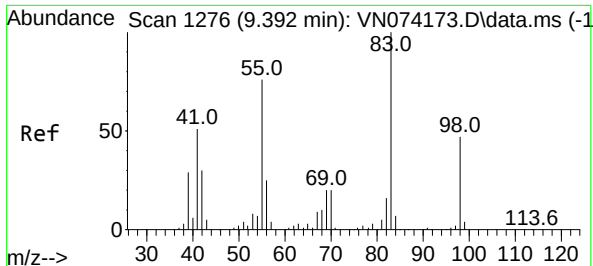
Tgt Ion: 43 Resp: 31036  
Ion Ratio Lower Upper  
43 100  
61 0.2 11.8 17.6#  
70 0.0 9.3 13.9#



#38  
Carbon Tetrachloride  
Concen: 6.355 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.117 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion: 117 Resp: 31850  
Ion Ratio Lower Upper  
117 100  
119 7.4 75.8 113.8#  
121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 97.698 ug/l

RT: 9.392 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

ClientSampleId :

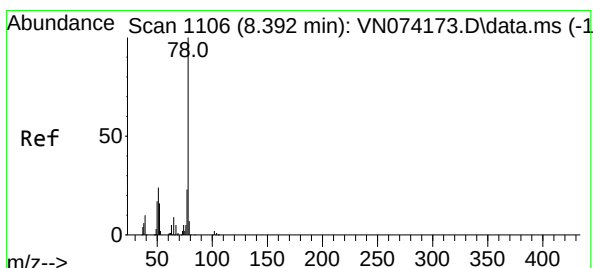
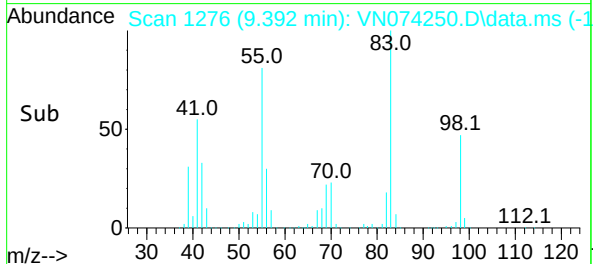
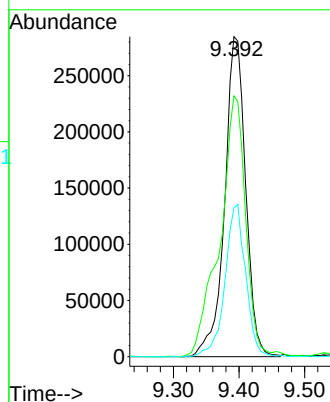
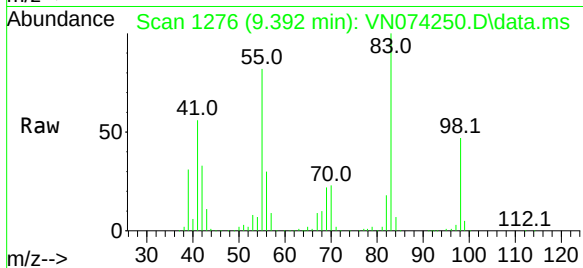
Tgt Ion: 83 Resp: 632851

Ion Ratio Lower Upper

83 100

55 81.5 57.8 86.8

98 46.5 39.4 59.2



#40

Benzene

Concen: 13.106 ug/l

RT: 8.386 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VN074250.D

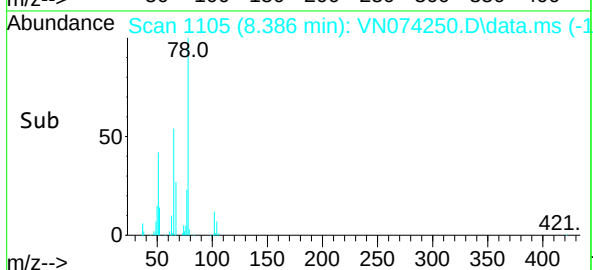
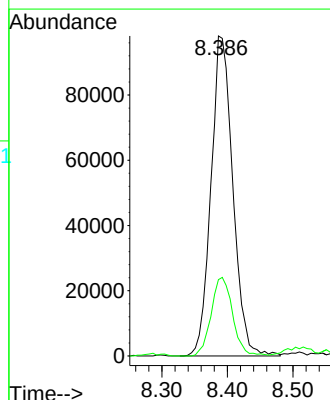
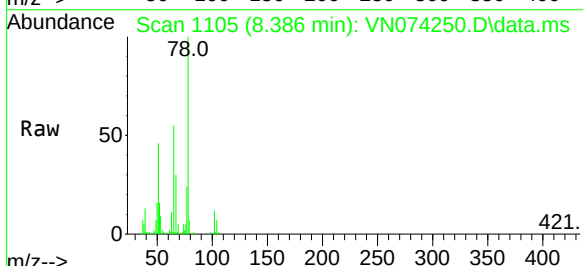
Acq: 01 Sep 2022 18:22

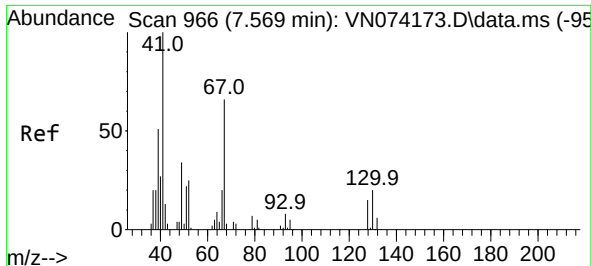
Tgt Ion: 78 Resp: 227076

Ion Ratio Lower Upper

78 100

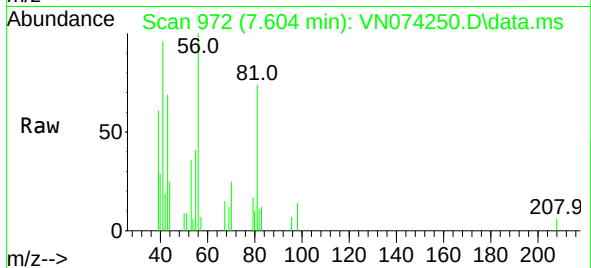
77 23.9 19.4 29.0



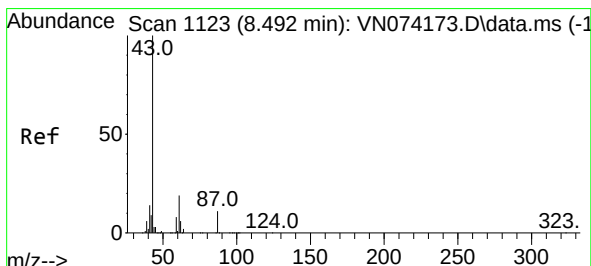
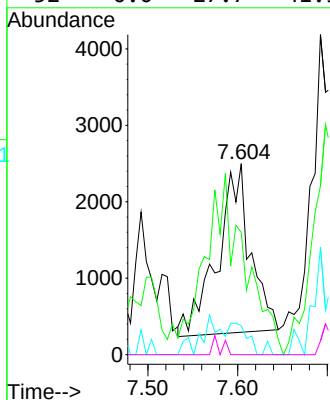
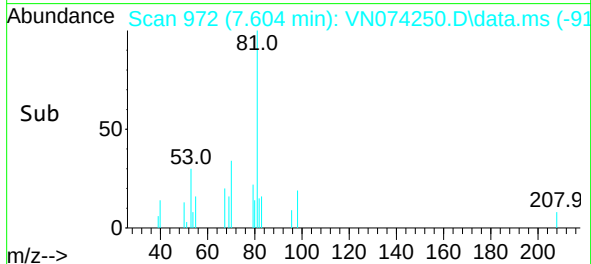


#41  
Methacrylonitrile  
Concen: 1.320 ug/l  
RT: 7.604 min Scan# 91  
Delta R.T. 0.035 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

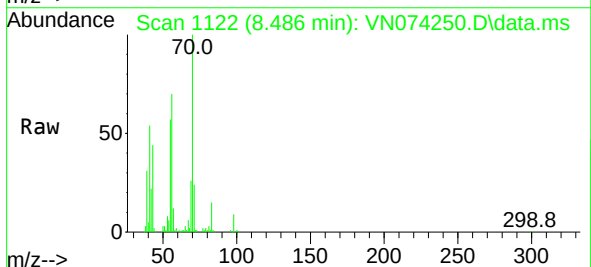
Instrument :  
MSVOA\_N  
ClientSampleId :



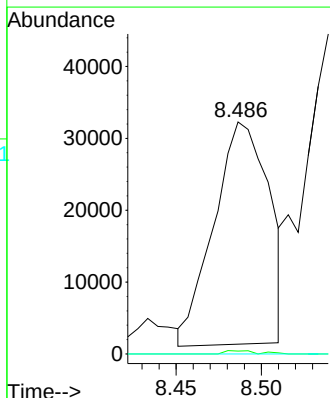
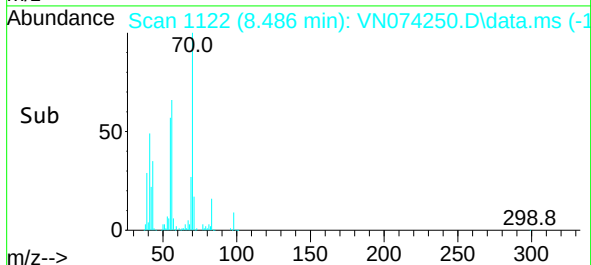
Tgt Ion: 41 Resp: 5623  
Ion Ratio Lower Upper  
41 100  
39 131.9 48.6 73.0#  
67 10.4 73.4 110.2#  
52 0.0 27.7 41.5#

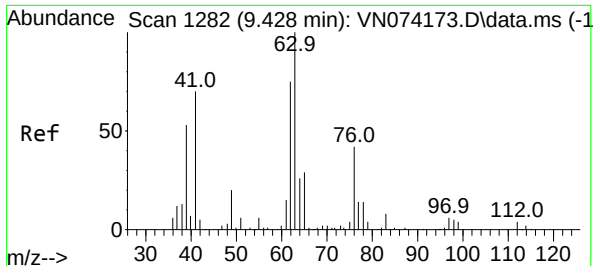


#43  
Isopropyl Acetate  
Concen: 5.611 ug/l  
RT: 8.486 min Scan# 1122  
Delta R.T. -0.006 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22



Tgt Ion: 43 Resp: 69613  
Ion Ratio Lower Upper  
43 100  
61 0.9 21.9 32.9#  
87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 1.873 ug/l

RT: 9.392 min Scan# 11

Delta R.T. -0.035 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

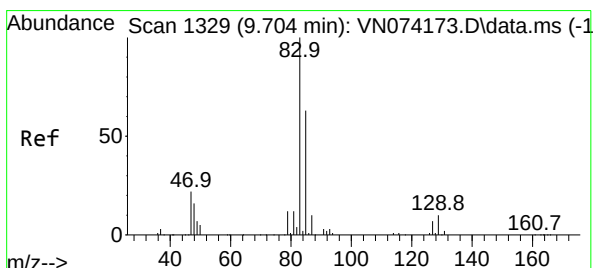
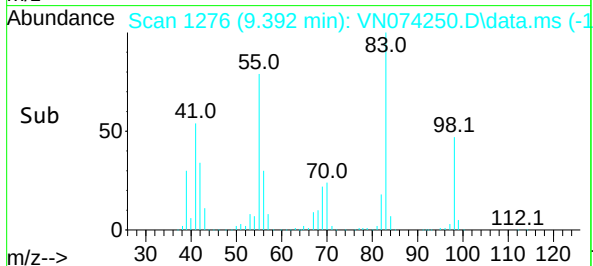
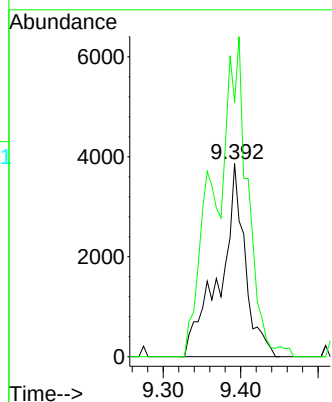
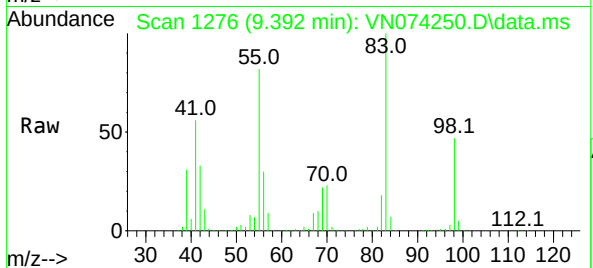
ClientSampleId :

Tgt Ion: 63 Resp: 8762

Ion Ratio Lower Upper

63 100

65 131.6 24.9 37.3#



#47

Bromodichloromethane

Concen: 1.654 ug/l

RT: 9.674 min Scan# 1324

Delta R.T. -0.030 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

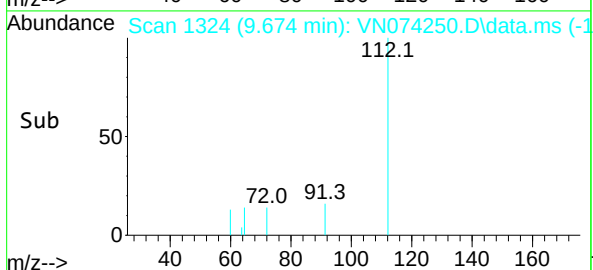
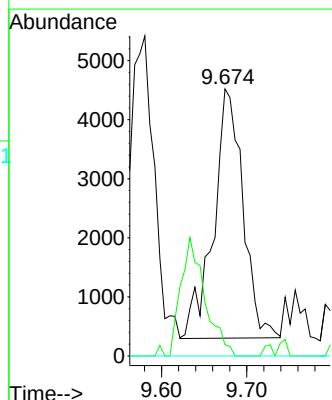
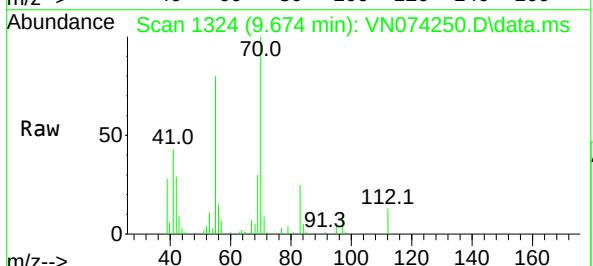
Tgt Ion: 83 Resp: 10129

Ion Ratio Lower Upper

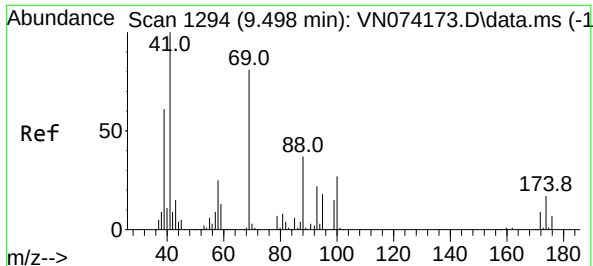
83 100

85 0.0 50.5 75.7#

127 0.0 6.8 10.2#







#48

Methyl methacrylate

Concen: 12.311 ug/l

RT: 9.580 min Scan# 11

Delta R.T. 0.082 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

ClientSampleId :

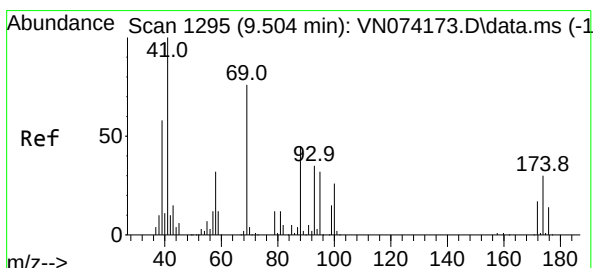
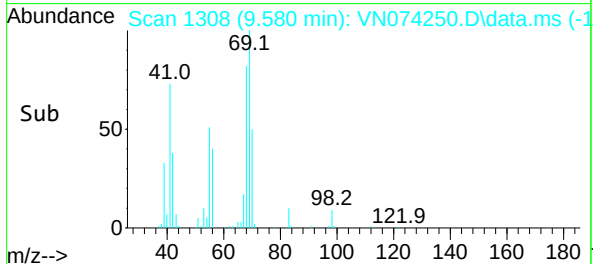
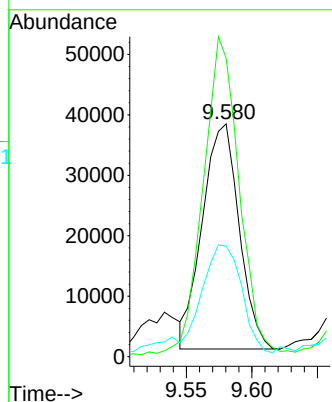
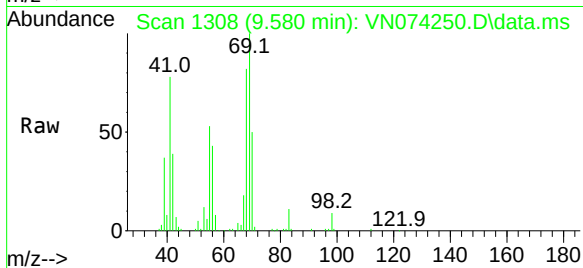
Tgt Ion: 41 Resp: 72544

Ion Ratio Lower Upper

41 100

69 140.0 74.7 112.1#

39 59.9 45.6 68.4



#49

1,4-Dioxane

Concen: 0.440 ug/l

RT: 9.369 min Scan# 1272

Delta R.T. -0.135 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

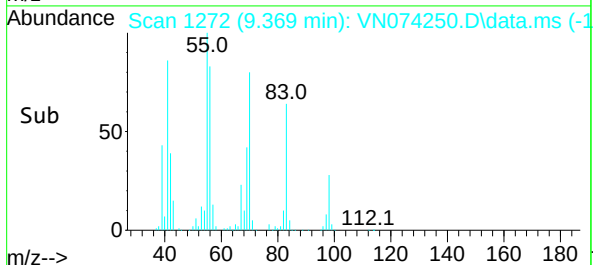
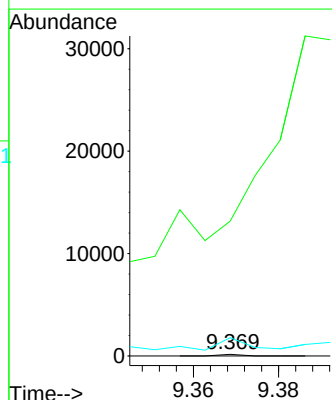
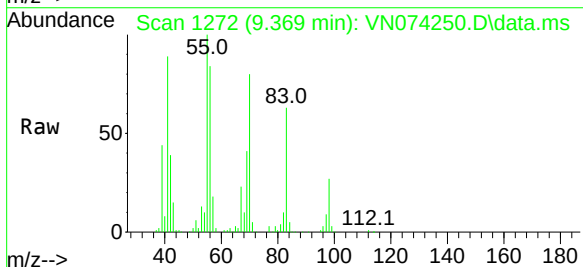
Tgt Ion: 88 Resp: 56

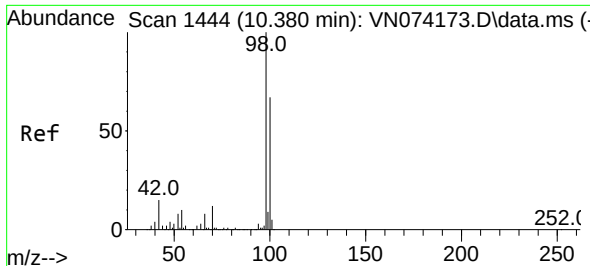
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 4753.6 54.2 81.4#

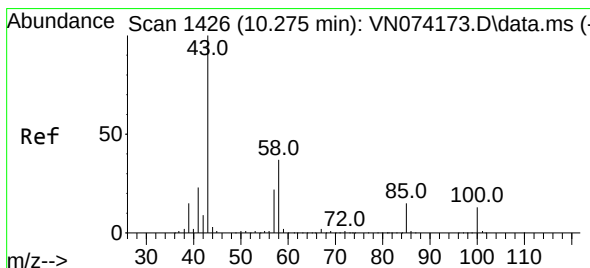
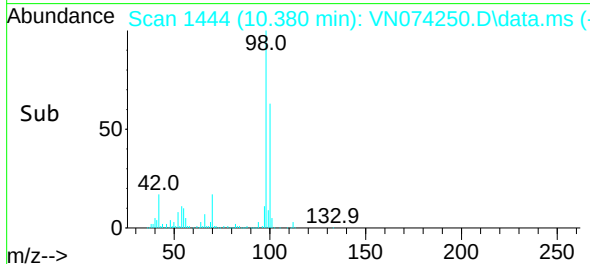
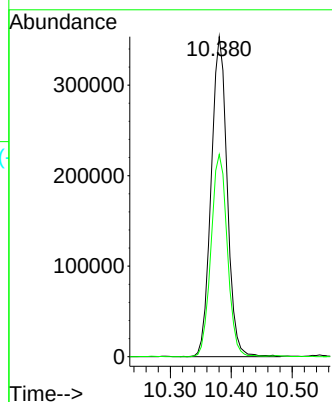
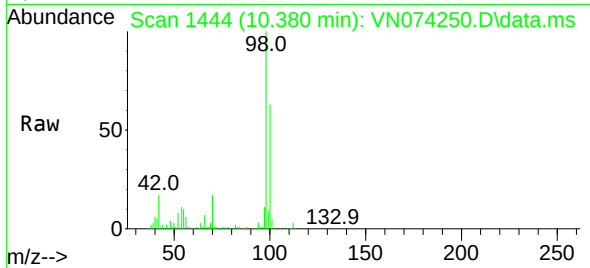




#50  
Toluene-d8  
Concen: 48.329 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

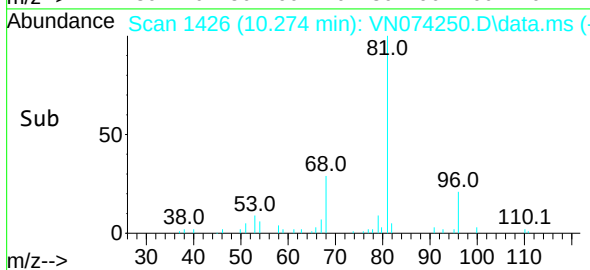
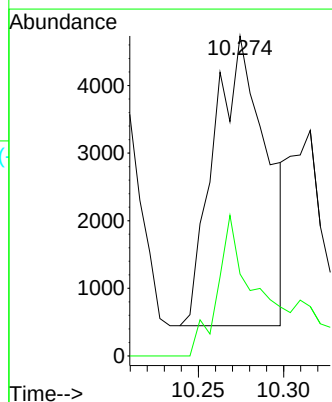
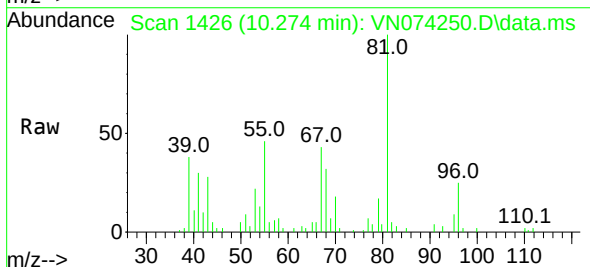
Instrument :  
MSVOA\_N  
ClientSampleId :

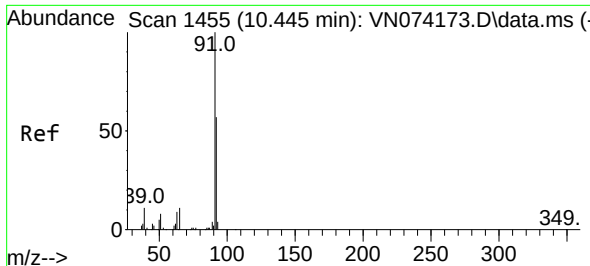
Tgt Ion: 98 Resp: 647284  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 1.020 ug/l  
RT: 10.274 min Scan# 1426  
Delta R.T. -0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion: 43 Resp: 9186  
Ion Ratio Lower Upper  
43 100  
58 36.5 34.1 51.1

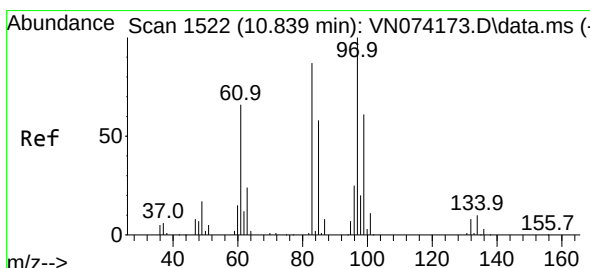
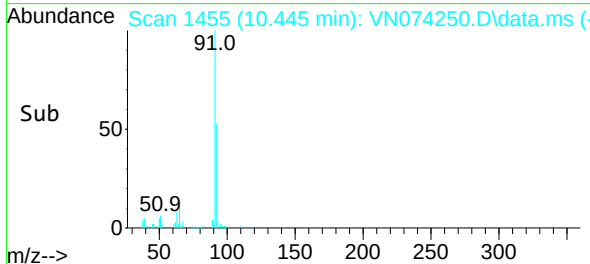
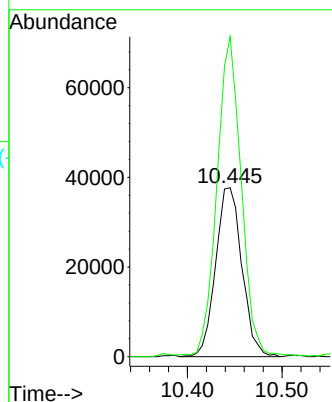
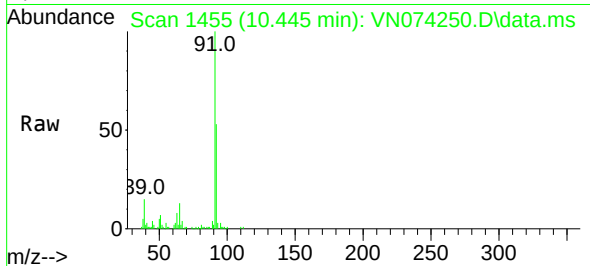




#52  
Toluene  
Concen: 7.107 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

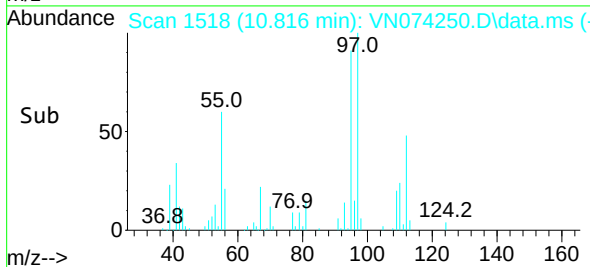
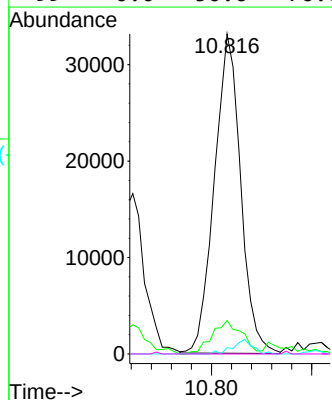
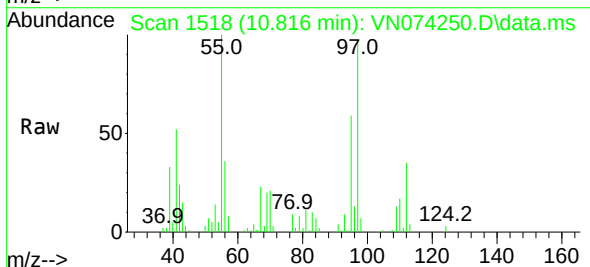
Instrument :  
MSVOA\_N  
ClientSampleId :

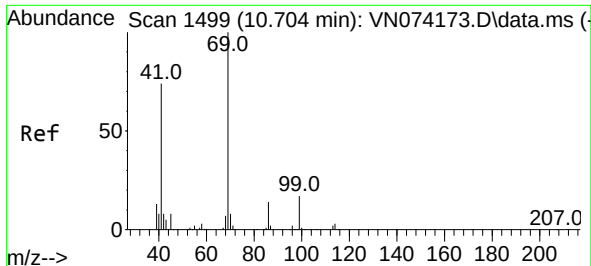
Tgt Ion: 92 Resp: 72577  
Ion Ratio Lower Upper  
92 100  
91 174.6 138.6 207.8



#55  
1,1,2-Trichloroethane  
Concen: 13.621 ug/l  
RT: 10.816 min Scan# 1518  
Delta R.T. -0.024 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

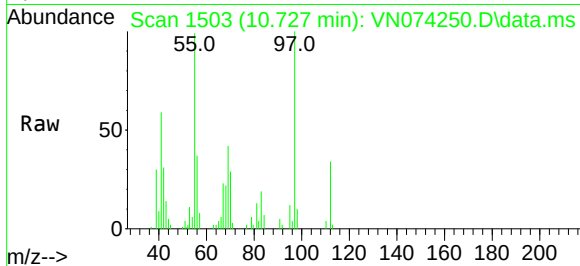
Tgt Ion: 97 Resp: 60170  
Ion Ratio Lower Upper  
97 100  
83 10.5 66.2 99.4#  
85 2.0 43.9 65.9#  
99 0.0 50.6 76.0#



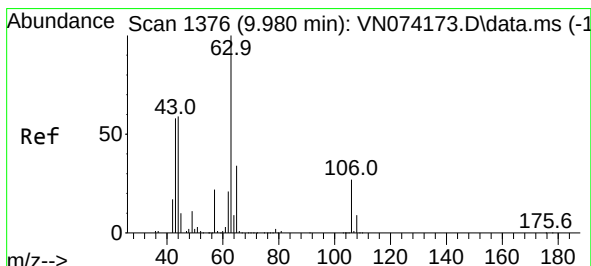
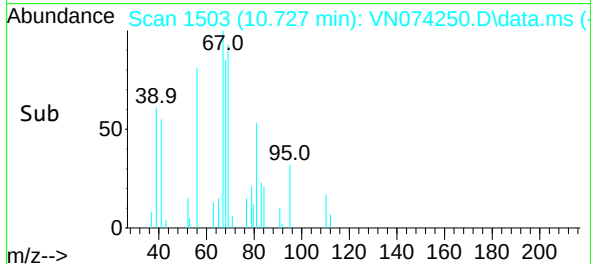
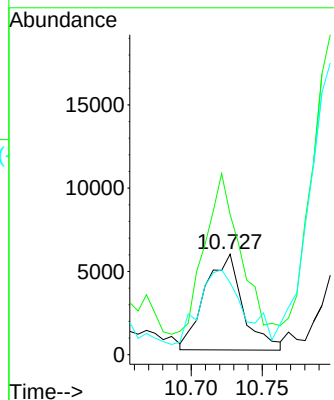


#56  
Ethyl methacrylate  
Concen: 1.593 ug/l  
RT: 10.727 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Instrument :  
MSVOA\_N  
ClientSampleId :

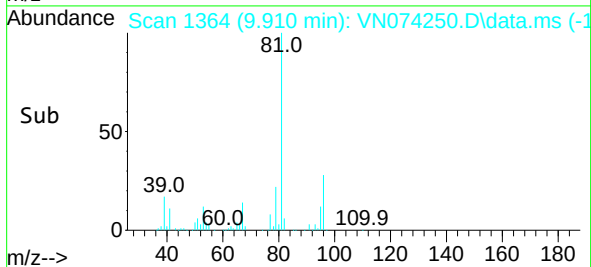
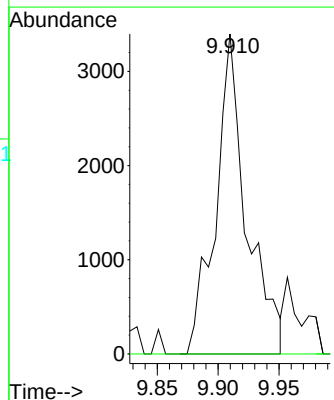
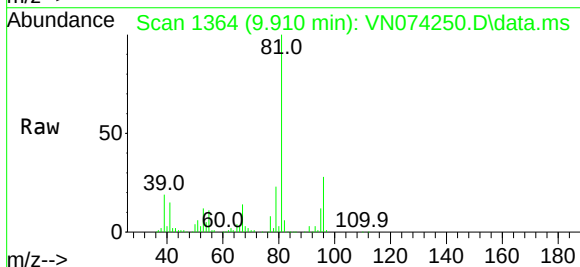


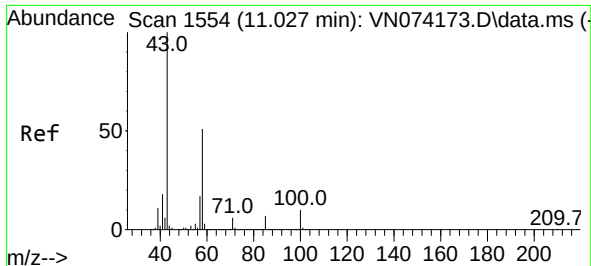
Tgt Ion: 69 Resp: 10667  
Ion Ratio Lower Upper  
69 100  
41 166.7 47.8 71.6#  
39 89.4 27.3 40.9#



#58  
2-Chloroethyl Vinyl ether  
Concen: 1.767 ug/l  
RT: 9.910 min Scan# 1364  
Delta R.T. -0.071 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion: 63 Resp: 5985  
Ion Ratio Lower Upper  
63 100  
106 0.0 24.6 36.8#

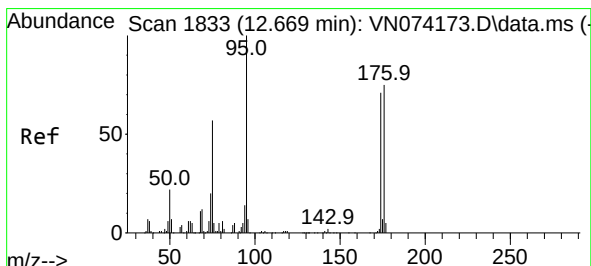
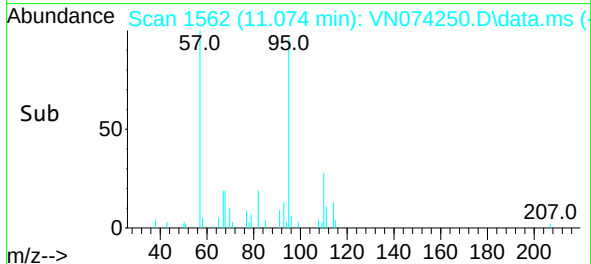
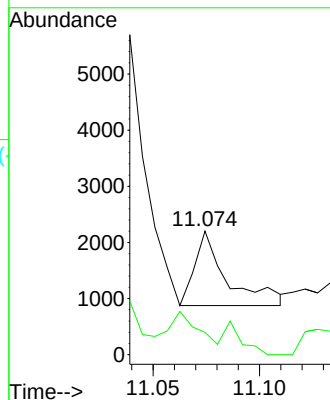
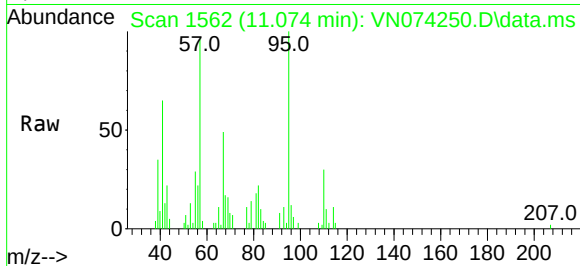




#59  
2-Hexanone  
Concen: 0.205 ug/l  
RT: 11.074 min Scan# 11  
Delta R.T. 0.047 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

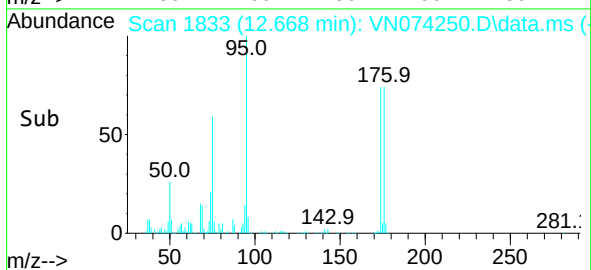
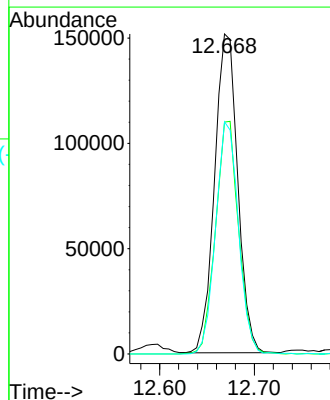
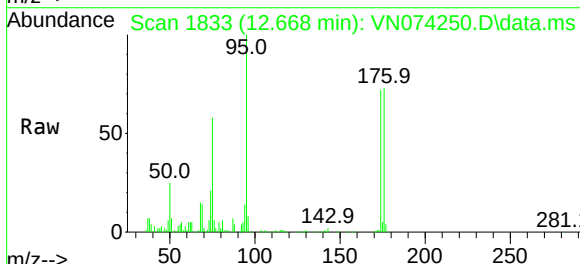
Instrument :  
MSVOA\_N  
ClientSampleId :

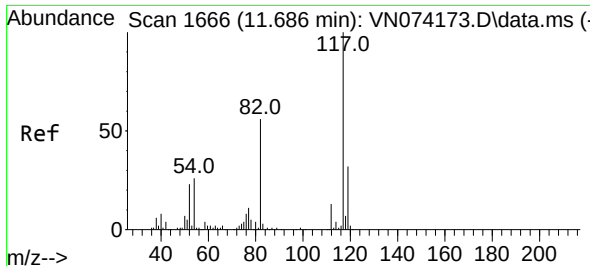
Tgt Ion: 43 Resp: 1402  
Ion Ratio Lower Upper  
43 100  
58 38.0 29.7 89.1



#62  
4-Bromofluorobenzene  
Concen: 63.234 ug/l  
RT: 12.668 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

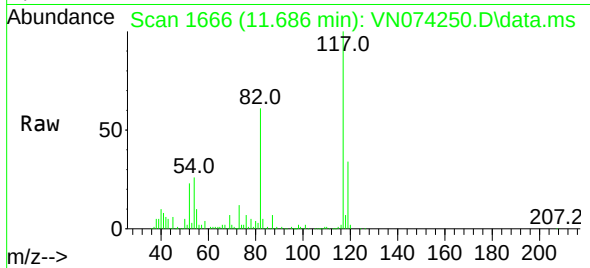
Tgt Ion: 95 Resp: 257549  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 167.6  
176 71.6 0.0 163.4



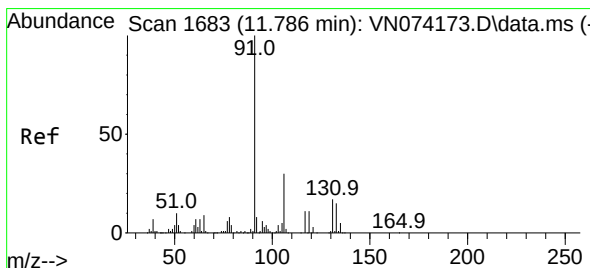
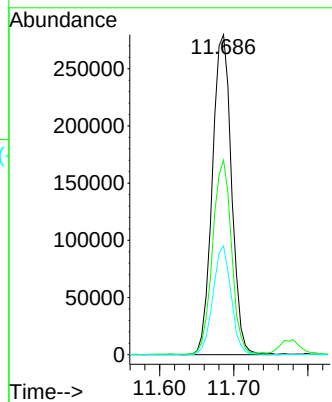
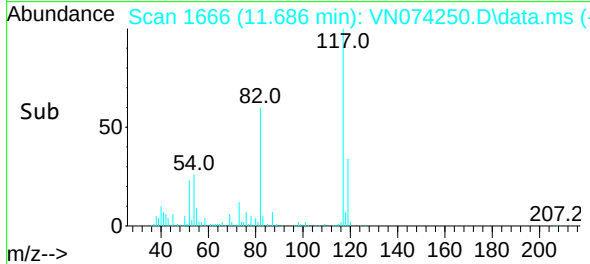


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. -0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Instrument :  
MSVOA\_N  
ClientSampleId :

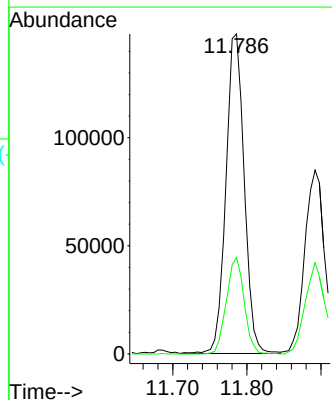
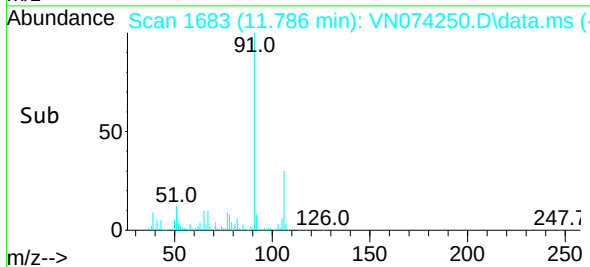
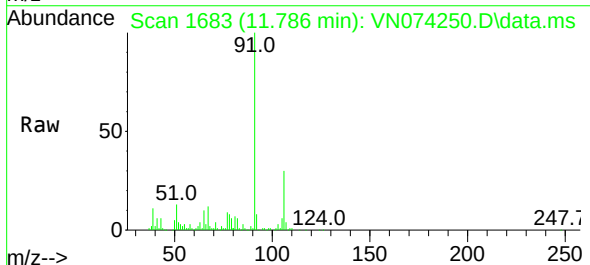


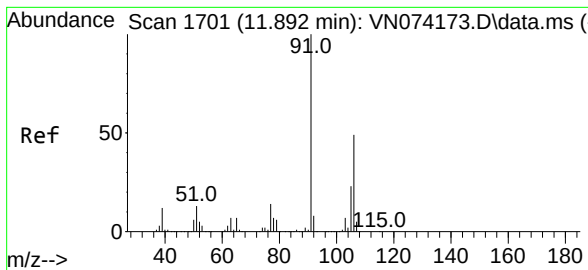
Tgt Ion:117 Resp: 503848  
Ion Ratio Lower Upper  
117 100  
82 60.7 44.2 66.2  
119 34.0 25.4 38.0



#67  
Ethyl Benzene  
Concen: 12.456 ug/l  
RT: 11.786 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion: 91 Resp: 253443  
Ion Ratio Lower Upper  
91 100  
106 30.2 24.9 37.3

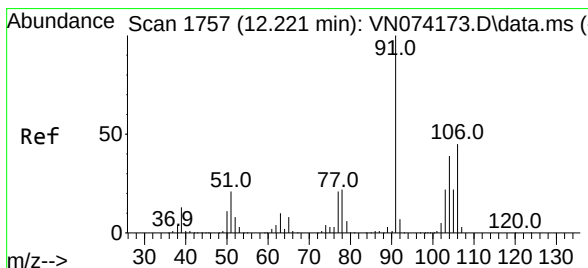
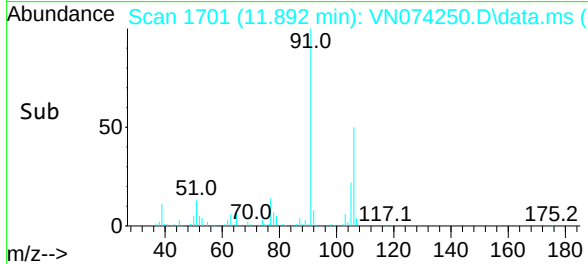
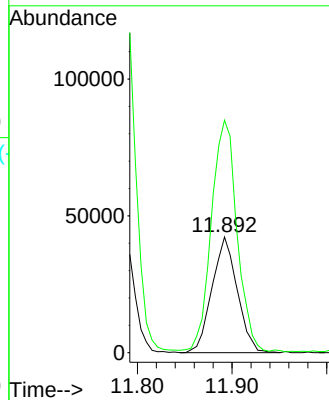
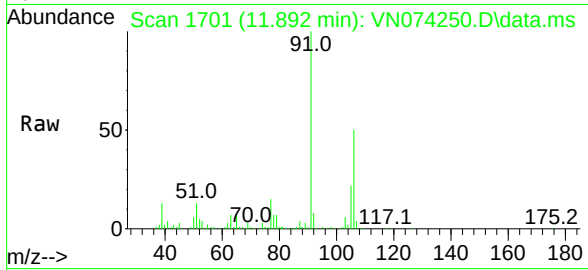




#68  
m/p-Xylenes  
Concen: 10.356 ug/l  
RT: 11.892 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

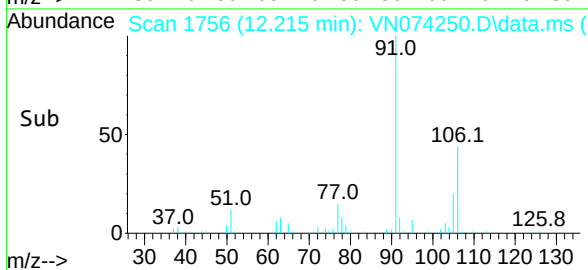
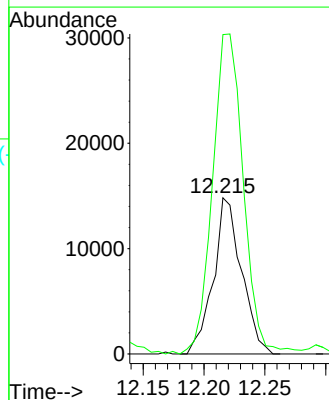
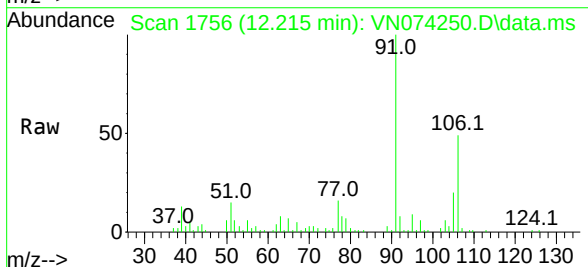
Instrument :  
MSVOA\_N  
ClientSampleId :

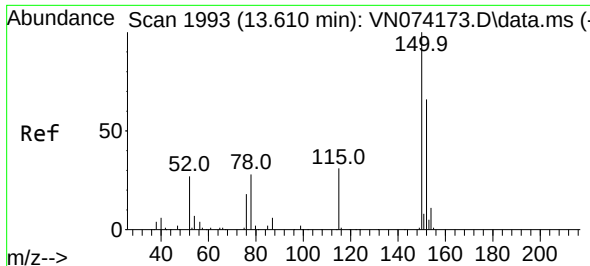
Tgt Ion:106 Resp: 78279  
Ion Ratio Lower Upper  
106 100  
91 202.1 158.9 238.3



#69  
o-Xylene  
Concen: 3.170 ug/l  
RT: 12.215 min Scan# 1756  
Delta R.T. -0.006 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion:106 Resp: 23877  
Ion Ratio Lower Upper  
106 100  
91 224.1 106.0 318.0

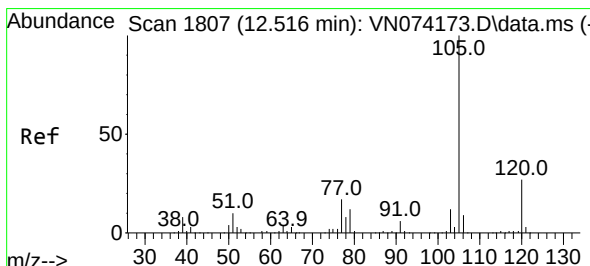
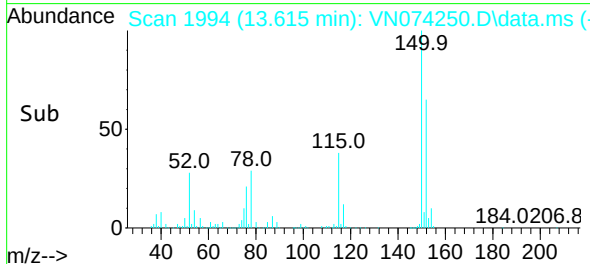
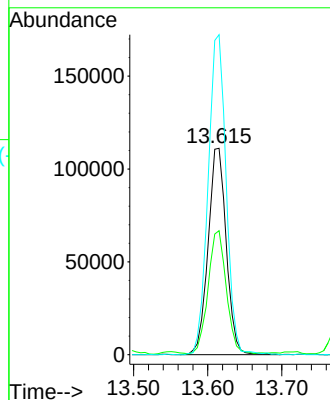
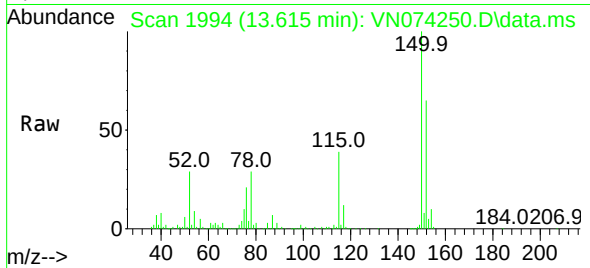




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.615 min Scan# 1993  
Delta R.T. 0.005 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

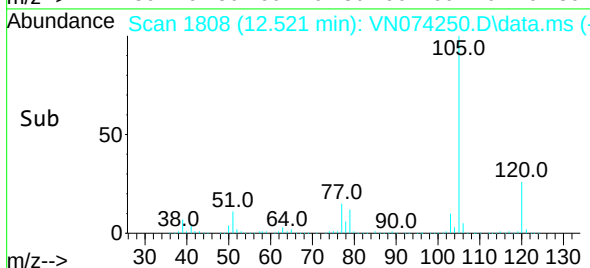
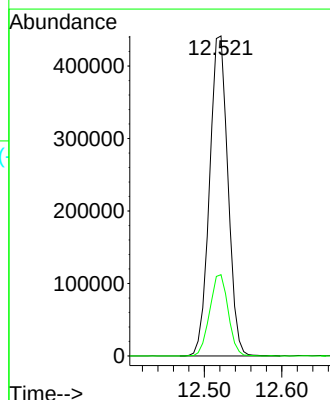
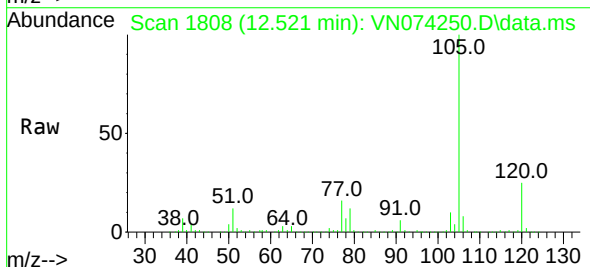
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:152 Resp: 189370  
Ion Ratio Lower Upper  
152 100  
115 59.7 28.9 86.7  
150 153.5 0.0 356.2

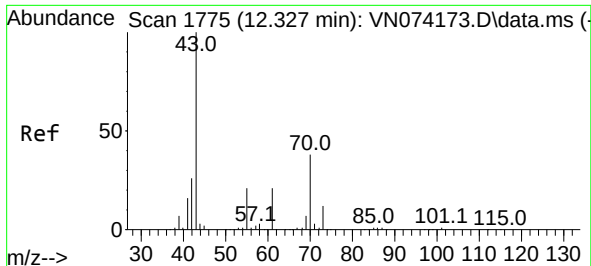


#73  
Isopropylbenzene  
Concen: 44.785 ug/l  
RT: 12.521 min Scan# 1808  
Delta R.T. 0.006 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion:105 Resp: 726312  
Ion Ratio Lower Upper  
105 100  
120 25.6 13.5 40.4

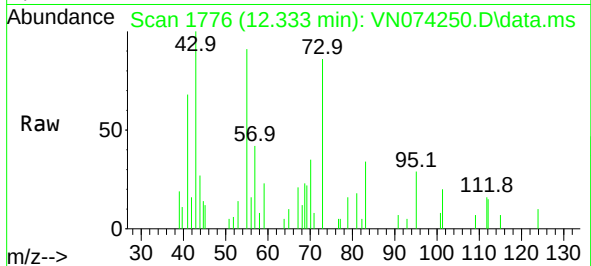




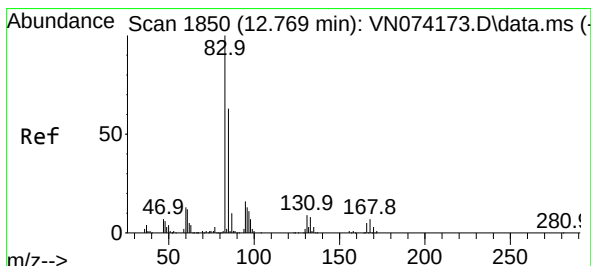
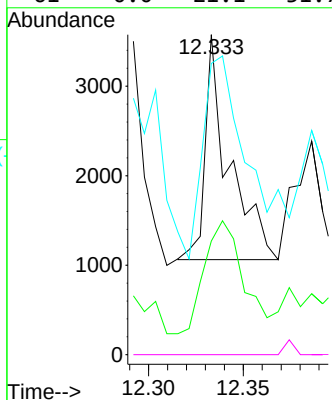
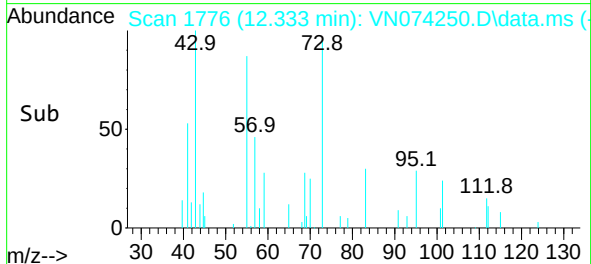


#74  
N-amy1 acetate  
Concen: 0.238 ug/l  
RT: 12.333 min Scan# 1776  
Delta R.T. 0.006 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

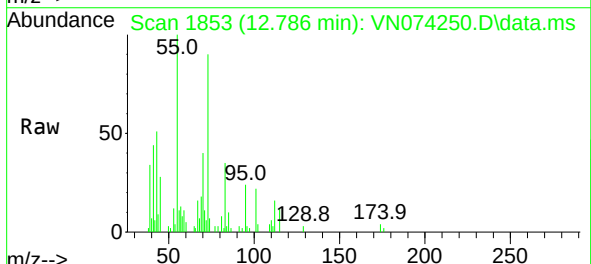
Instrument :  
MSVOA\_N  
ClientSampleId :



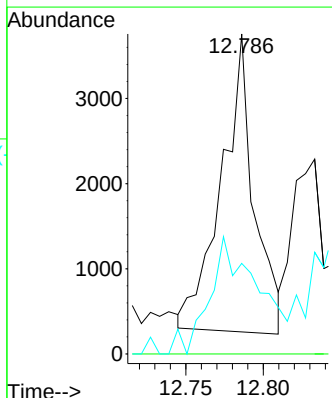
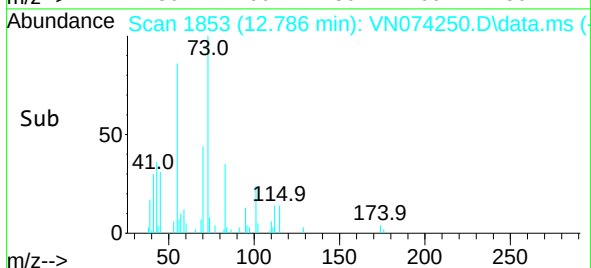
Tgt Ion: 43 Resp: 2188  
Ion Ratio Lower Upper  
43 100  
70 81.5 39.0 58.4#  
55 175.1 21.1 31.7#  
61 0.0 21.1 31.7#

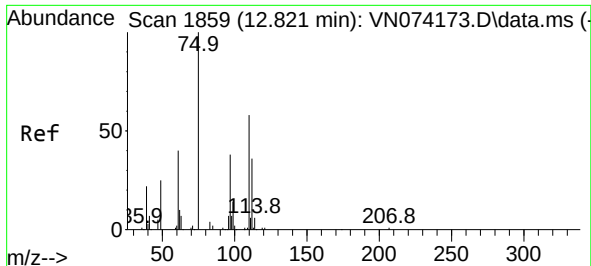


#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.760 ug/l  
RT: 12.786 min Scan# 1853  
Delta R.T. 0.018 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22



Tgt Ion: 83 Resp: 5112  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.3 15.9#  
85 59.6 32.3 96.9

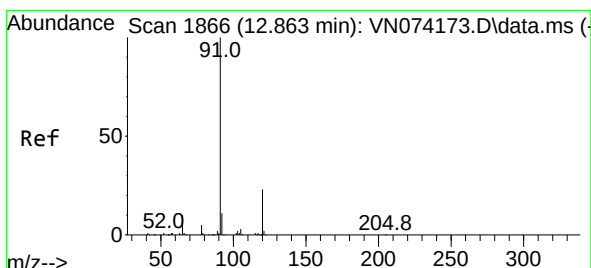
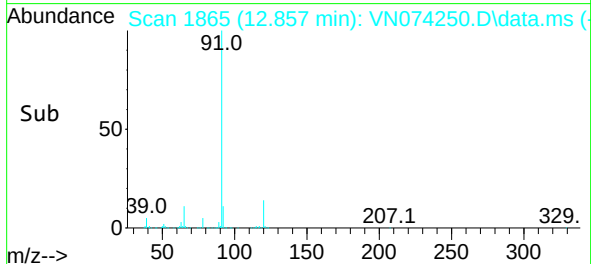
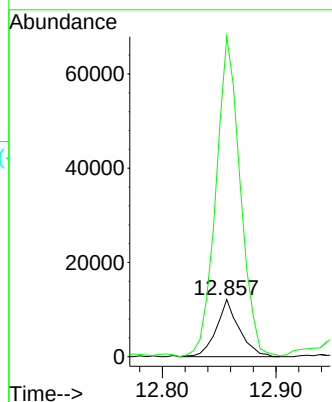
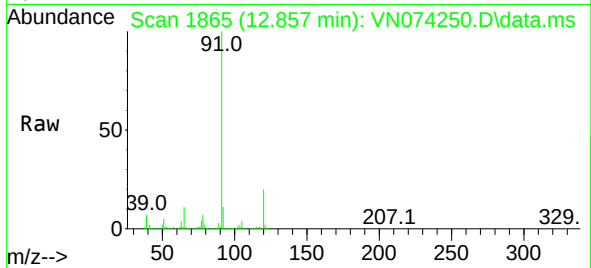




#76  
1,2,3-Trichloropropane  
Concen: 1.704 ug/l  
RT: 12.857 min Scan# 1865  
Delta R.T. 0.036 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

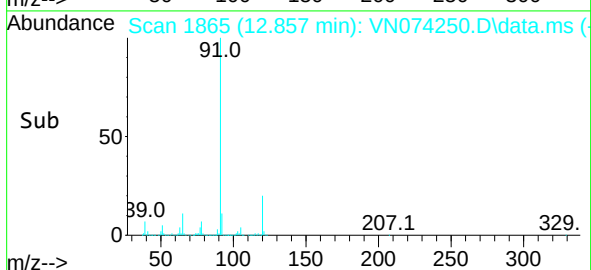
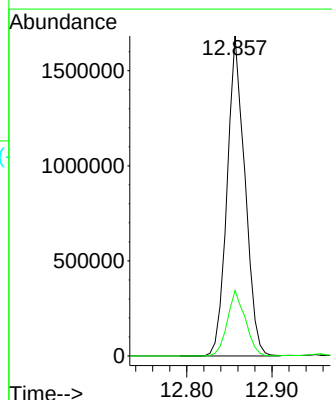
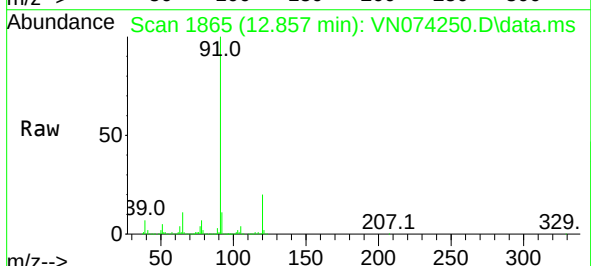
Instrument :  
MSVOA\_N  
ClientSampleId :

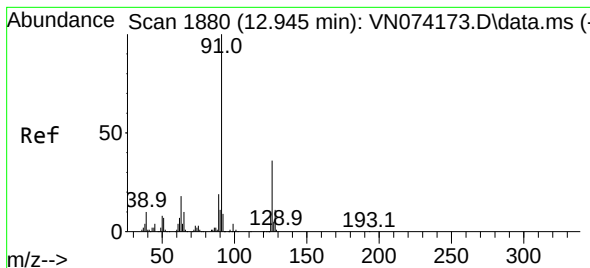
Tgt Ion: 75 Resp: 16919  
Ion Ratio Lower Upper  
75 100  
77 599.0 98.5 295.5#



#78  
n-propylbenzene  
Concen: 132.339 ug/l  
RT: 12.857 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion: 91 Resp: 2446436  
Ion Ratio Lower Upper  
91 100  
120 20.7 11.9 35.5





#79

2-Chlorotoluene

Concen: 216.056 ug/l

RT: 12.857 min Scan# 11

Delta R.T. -0.088 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

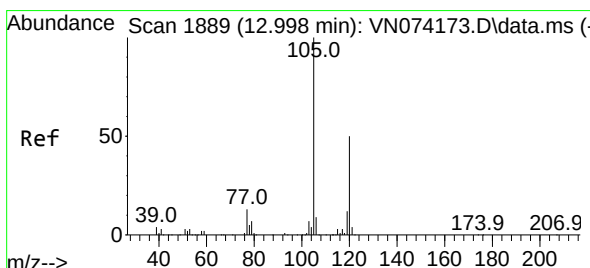
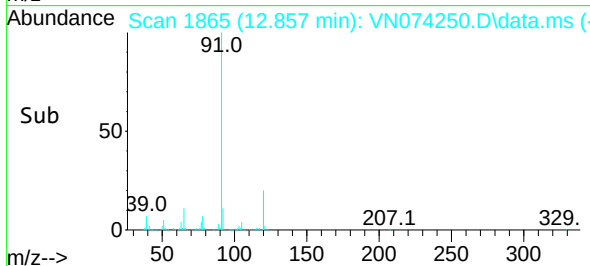
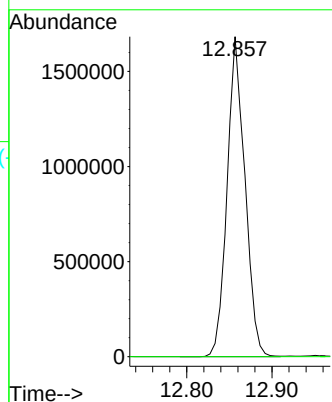
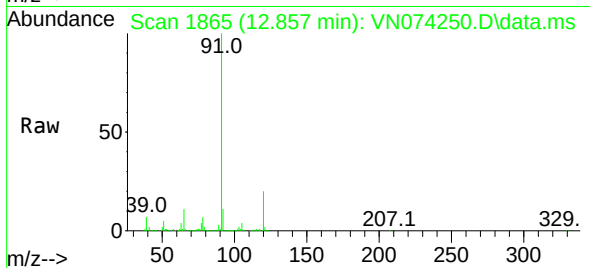
ClientSampleId :

Tgt Ion: 91 Resp: 2446436

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 30.484 ug/l

RT: 13.162 min Scan# 1917

Delta R.T. 0.165 min

Lab File: VN074250.D

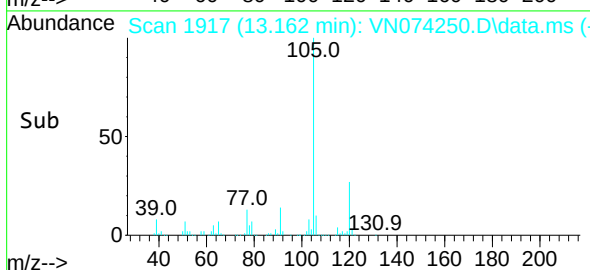
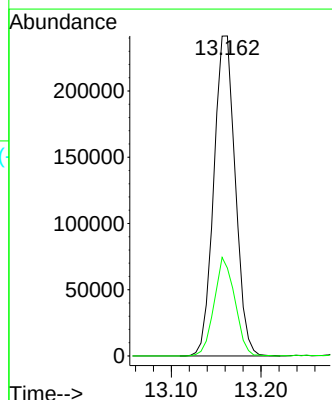
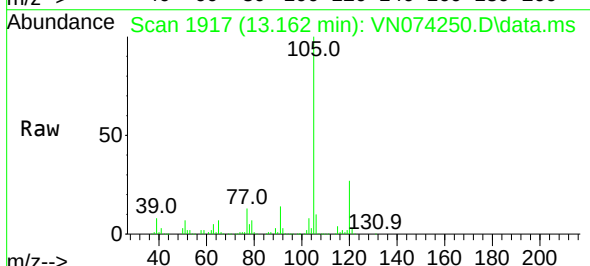
Acq: 01 Sep 2022 18:22

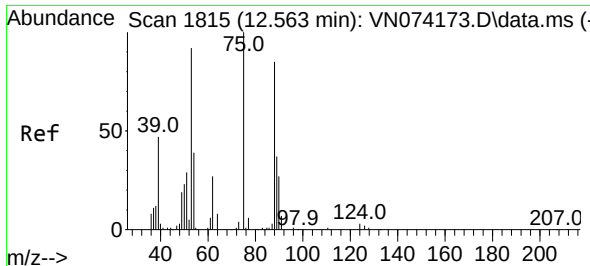
Tgt Ion:105 Resp: 402070

Ion Ratio Lower Upper

105 100

120 29.7 24.9 74.7

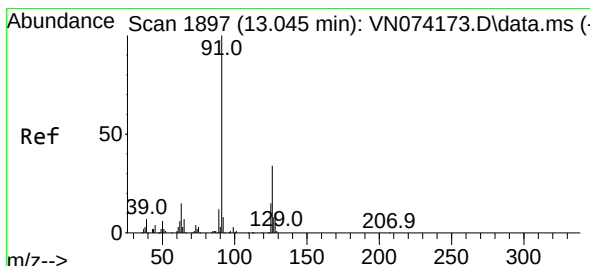
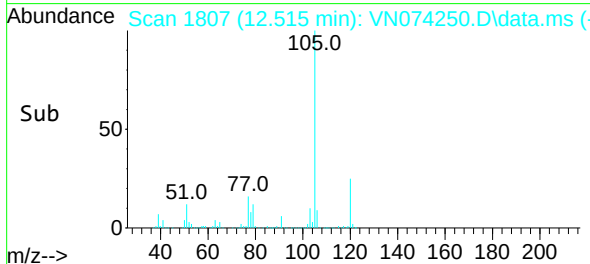
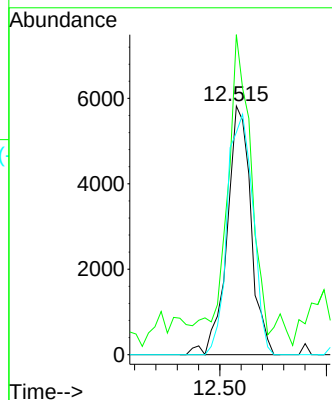
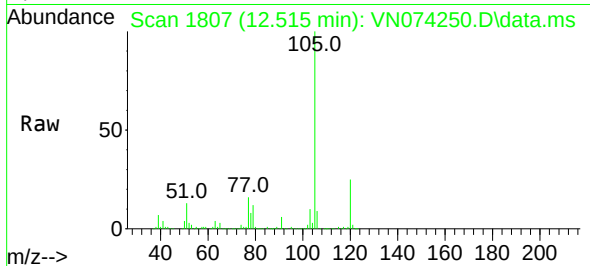




#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.963 ug/l  
RT: 12.515 min Scan# 1807  
Delta R.T. -0.047 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

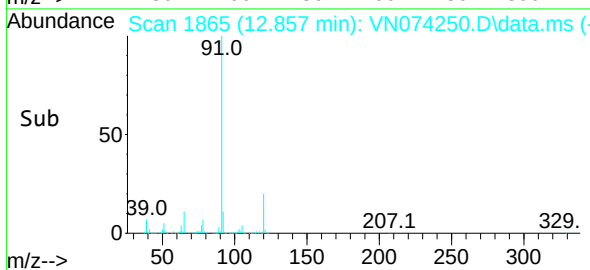
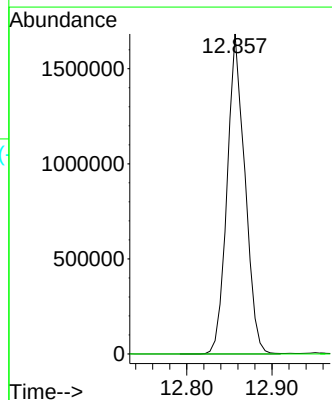
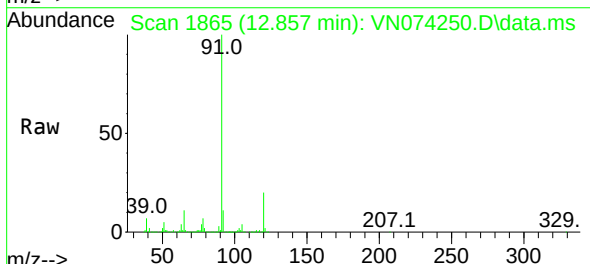
Instrument :  
MSVOA\_N  
ClientSampleId :

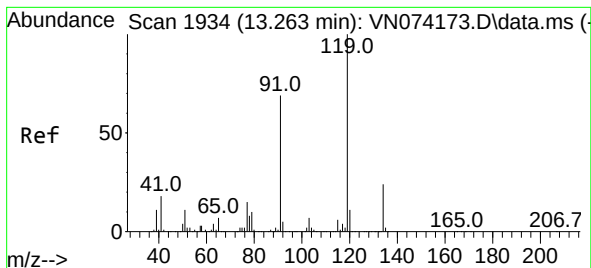
Tgt Ion: 75 Resp: 9055  
Ion Ratio Lower Upper  
75 100  
53 117.1 78.0 117.0#  
89 104.4 37.2 55.8#



#82  
4-Chlorotoluene  
Concen: 223.289 ug/l  
RT: 12.857 min Scan# 1865  
Delta R.T. -0.188 min  
Lab File: VN074250.D  
Acq: 01 Sep 2022 18:22

Tgt Ion: 91 Resp: 2446436  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.2 51.6#





#83

tert-Butylbenzene

Concen: 0.463 ug/l

RT: 13.268 min Scan# 1934

Delta R.T. 0.006 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

ClientSampleId :

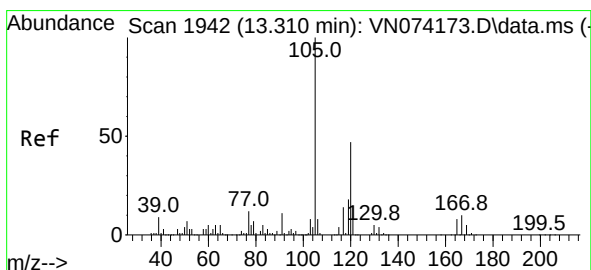
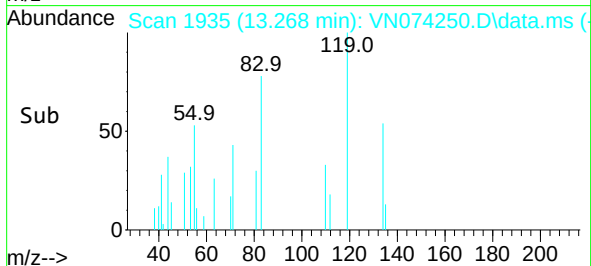
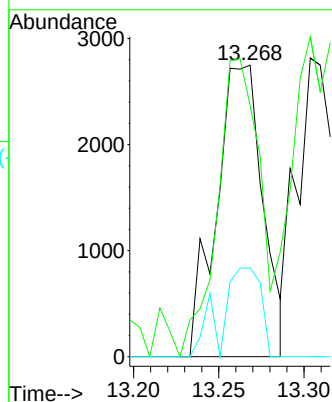
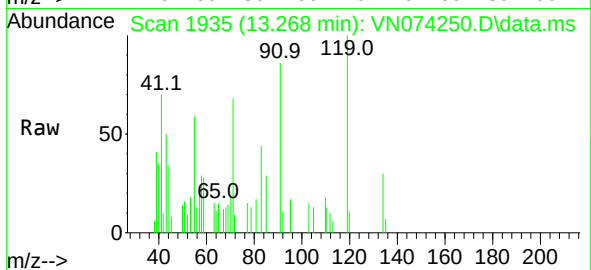
Tgt Ion:119 Resp: 5220

Ion Ratio Lower Upper

119 100

91 92.0 31.6 94.8

134 0.0 13.7 41.1#



#84

1,2,4-Trimethylbenzene

Concen: 3.238 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. -0.000 min

Lab File: VN074250.D

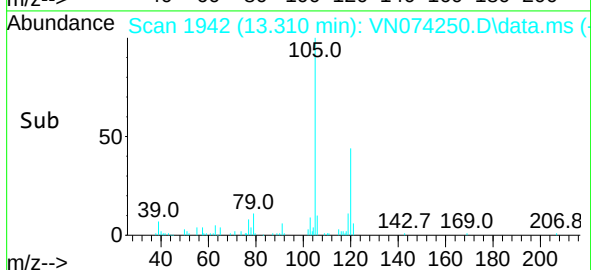
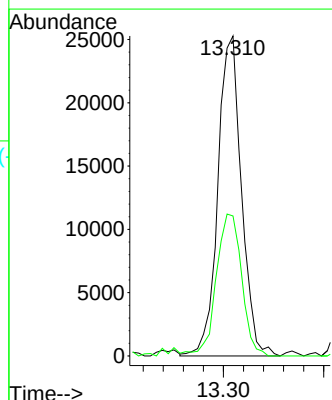
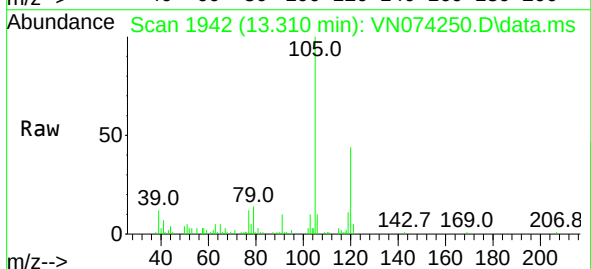
Acq: 01 Sep 2022 18:22

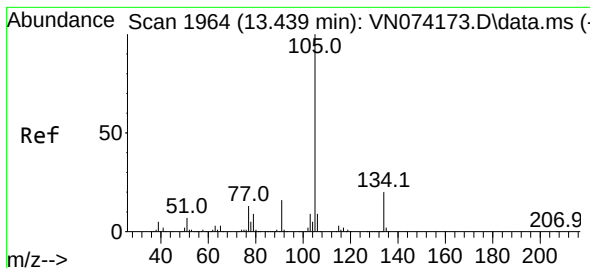
Tgt Ion:105 Resp: 41221

Ion Ratio Lower Upper

105 100

120 47.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 10.144 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. -0.000 min MSVOA\_N

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

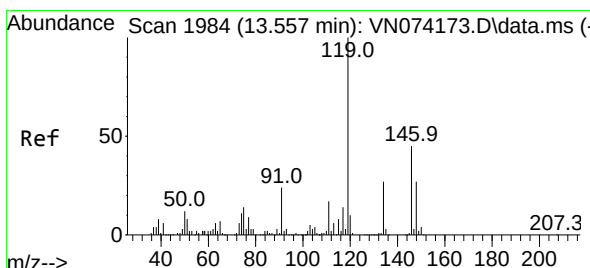
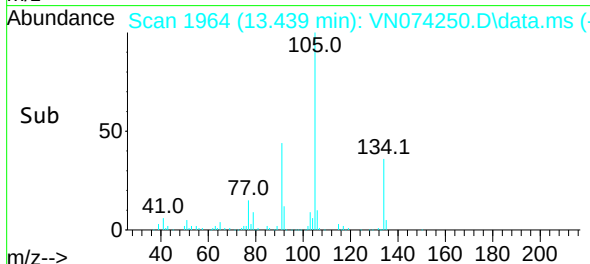
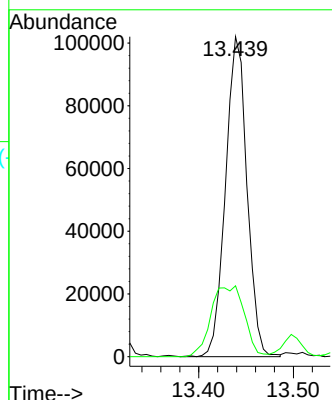
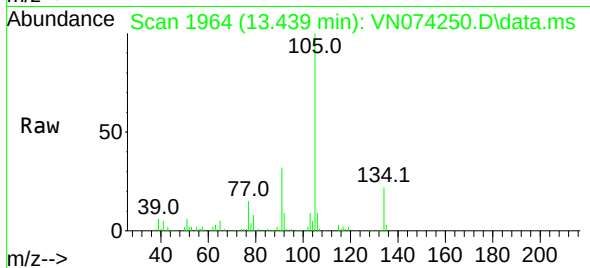
ClientSampleId :

Tgt Ion:105 Resp: 160547

Ion Ratio Lower Upper

105 100

134 34.4 10.4 31.1#



#86

p-Isopropyltoluene

Concen: 2.092 ug/l

RT: 13.557 min Scan# 1984

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

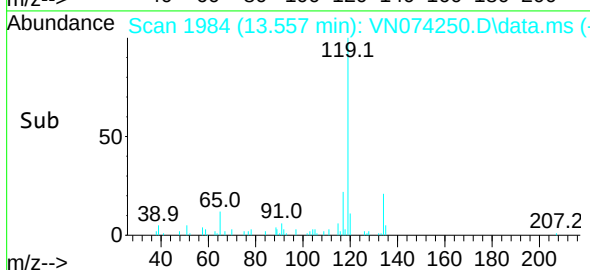
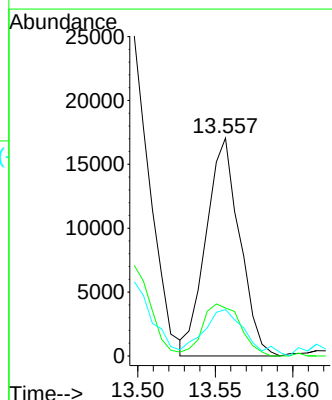
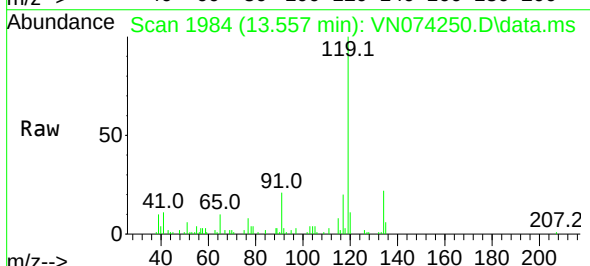
Tgt Ion:119 Resp: 25760

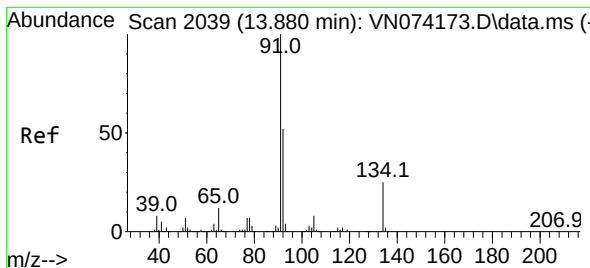
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 26.5 11.3 33.9





#89

n-Butylbenzene

Concen: 21.458 ug/l

RT: 13.880 min Scan# 2039

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA\_N

ClientSampleId :

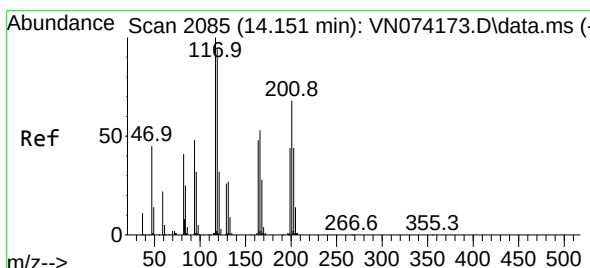
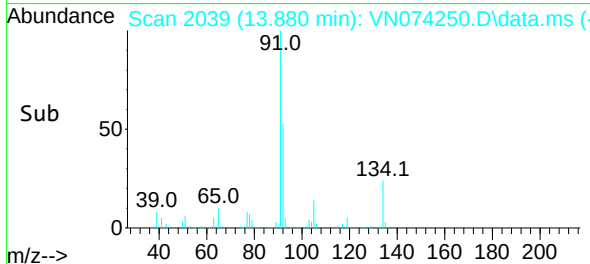
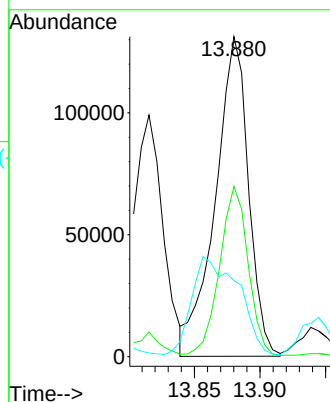
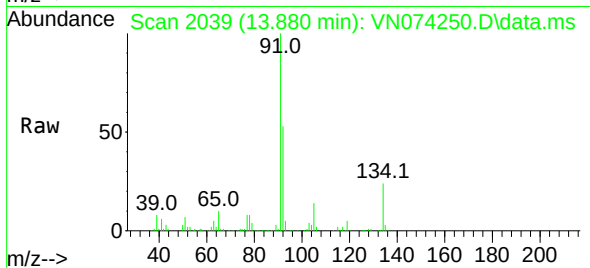
Tgt Ion: 91 Resp: 230147

Ion Ratio Lower Upper

91 100

92 45.5 26.9 80.7

134 0.0 13.6 40.8#



#90

Hexachloroethane

Concen: 38.620 ug/l

RT: 14.157 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VN074250.D

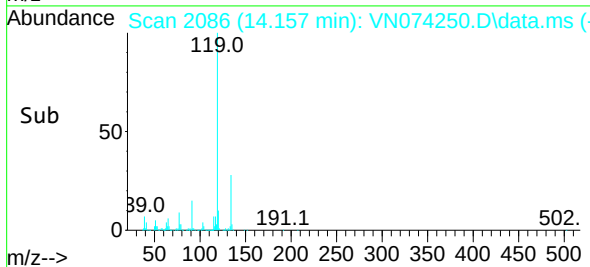
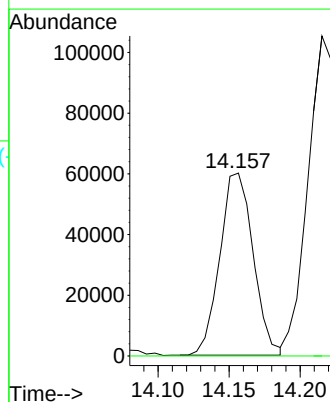
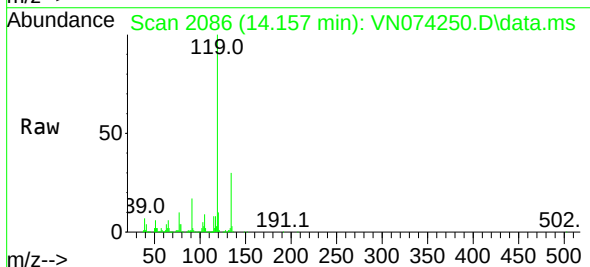
Acq: 01 Sep 2022 18:22

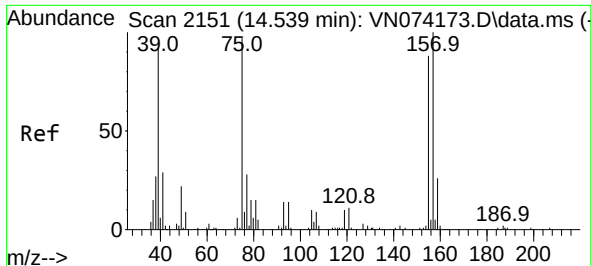
Tgt Ion: 117 Resp: 98049

Ion Ratio Lower Upper

117 100

201 0.0 40.6 122.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.651 ug/l

RT: 14.551 min Scan# 2151

Delta R.T. 0.012 min

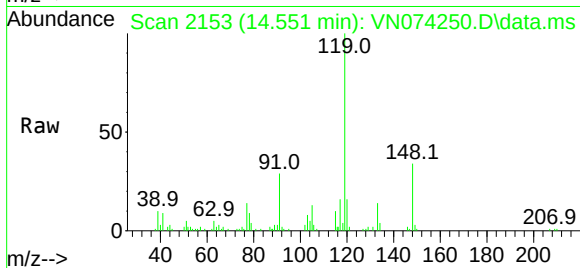
Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

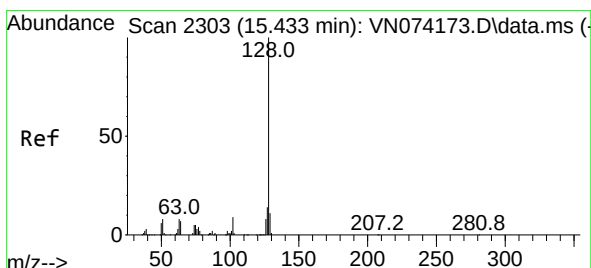
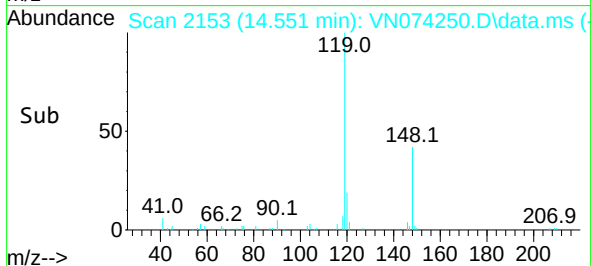
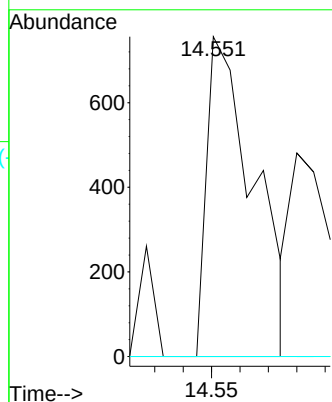
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 875    |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 155       | 0.0   | 44.9  | 134.5# |
| 157       | 0.0   | 59.0  | 176.8# |



#95

Naphthalene

Concen: 37.224 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 530567 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.3  | 15.5   |
| 129       | 10.6  | 8.6   | 13.0   |

