

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081722\  
 Data File : VN073977.D  
 Acq On : 17 Aug 2022 15:33  
 Operator : JC\MD  
 Sample : N4204-23DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 18 00:46:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.016  | 168  | 667553   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.904  | 114  | 962846   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.686 | 117  | 888511   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.615 | 152  | 472822   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 8.369  | 65    | 308983   | 47.522   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 95.040%  |
| 35) Dibromofluoromethane  | 7.951  | 113   | 303278   | 53.261   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 106.520% |
| 50) Toluene-d8            | 10.380 | 98    | 1011278  | 45.857   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 91.720%  |
| 62) 4-Bromofluorobenzene  | 12.674 | 95    | 418670   | 57.203   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 114.400% |

## Target Compounds

|                               |        |     |         |           |        | Qvalue |
|-------------------------------|--------|-----|---------|-----------|--------|--------|
| 5) Bromomethane               | 2.840  | 94  | 1681    | 0.356     | ug/l # | 53     |
| 11) Tert butyl alcohol        | 5.292  | 59  | 6405    | 4.404     | ug/l # | 72     |
| 13) Acrolein                  | 3.922  | 56  | 15393   | 15.121    | ug/l # | 1      |
| 14) Allyl chloride            | 4.881  | 41  | 18802   | 2.410     | ug/l # | 9      |
| 15) Acrylonitrile             | 5.539  | 53  | 4141    | 1.166     | ug/l # | 29     |
| 16) Acetone                   | 4.187  | 43  | 69527   | 22.665    | ug/l # | 53     |
| 18) Methyl Acetate            | 4.787  | 43  | 4167    | Below Cal | #      | 64     |
| 19) Methyl tert-butyl Ether   | 5.539  | 73  | 27533   | 1.451     | ug/l # | 1      |
| 20) Methylene Chloride        | 5.022  | 84  | 2687    | 0.415     | ug/l # | 53     |
| 23) Vinyl Acetate             | 6.375  | 43  | 6141    | 0.433     | ug/l # | 68     |
| 24) 1,1-Dichloroethane        | 6.375  | 63  | 2586    | 0.251     | ug/l # | 82     |
| 25) 2-Butanone                | 7.263  | 43  | 10687   | 2.197     | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.628  | 42  | 731     | 0.234     | ug/l # | 35     |
| 30) Chloroform                | 7.769  | 83  | 4974    | 0.432     | ug/l # | 60     |
| 31) Cyclohexane               | 8.022  | 56  | 109615  | 12.094    | ug/l # | 85     |
| 36) 1,1-Dichloropropene       | 8.016  | 75  | 41497   | 5.247     | ug/l # | 51     |
| 37) Ethyl Acetate             | 7.263  | 43  | 10687   | 1.115     | ug/l # | 68     |
| 38) Carbon Tetrachloride      | 8.022  | 117 | 57666   | 6.379     | ug/l # | 16     |
| 39) Methylcyclohexane         | 9.392  | 83  | 53328   | 5.381     | ug/l   | 97     |
| 40) Benzene                   | 8.392  | 78  | 261680  | 10.483    | ug/l   | 98     |
| 41) Methacrylonitrile         | 7.592  | 41  | 2216    | 0.512     | ug/l # | 35     |
| 43) Isopropyl Acetate         | 8.492  | 43  | 5679    | 0.416     | ug/l # | 53     |
| 47) Bromodichloromethane      | 9.680  | 83  | 3591    | 0.413     | ug/l # | 26     |
| 51) 4-Methyl-2-Pentanone      | 10.274 | 43  | 3080    | 0.334     | ug/l   | 97     |
| 52) Toluene                   | 10.445 | 92  | 589735  | 34.453    | ug/l   | 100    |
| 53) t-1,3-Dichloropropene     | 10.445 | 75  | 6011    | 0.659     | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane     | 10.821 | 97  | 3511    | 0.527     | ug/l # | 16     |
| 58) 2-Chloroethyl Vinyl ether | 9.969  | 63  | 1081    | 0.244     | ug/l # | 44     |
| 59) 2-Hexanone                | 11.074 | 43  | 3139    | 0.442     | ug/l   | 67     |
| 67) Ethyl Benzene             | 11.786 | 91  | 5172760 | 164.720   | ug/l   | 97     |
| 68) m/p-Xylenes               | 11.892 | 106 | 612339  | 47.991    | ug/l   | 99     |
| 69) o-Xylene                  | 12.221 | 106 | 64569   | 5.046     | ug/l   | 99     |
| 71) Bromoform                 | 12.668 | 173 | 1983    | 0.311     | ug/l # | 1      |
| 73) Isopropylbenzene          | 12.521 | 105 | 1715706 | 49.833    | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane    | 12.862 | 75  | 12047   | 1.226     | ug/l # | 1      |
| 78) n-propylbenzene           | 12.862 | 91  | 1992485 | 54.291    | ug/l   | 99     |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 18 00:46:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

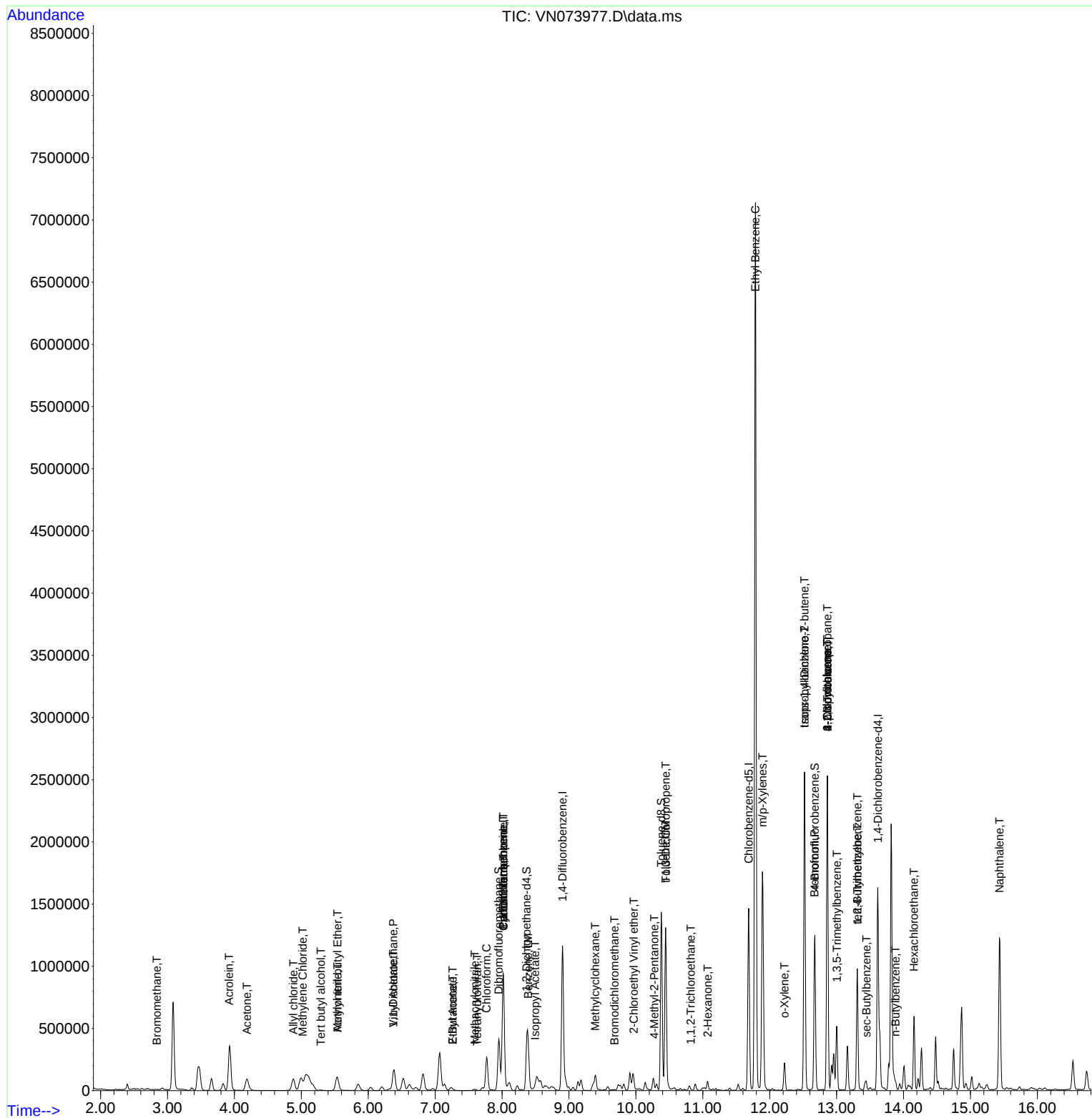
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 79) 2-Chlorotoluene           | 12.862 | 91   | 1992485  | 87.120 | ug/l # | 40       |
| 80) 1,3,5-Trimethylbenzene    | 13.004 | 105  | 277803   | 9.920  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.521 | 75   | 19144    | 5.540  | ug/l # | 69       |
| 82) 4-Chlorotoluene           | 12.862 | 91   | 1992485  | 91.726 | ug/l # | 40       |
| 83) tert-Butylbenzene         | 13.310 | 119  | 68474    | 2.657  | ug/l # | 64       |
| 84) 1,2,4-Trimethylbenzene    | 13.310 | 105  | 554477   | 19.827 | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.445 | 105  | 45871    | 1.373  | ug/l # | 67       |
| 89) n-Butylbenzene            | 13.880 | 91   | 33941    | 1.506  | ug/l # | 79       |
| 90) Hexachloroethane          | 14.156 | 117  | 32131    | 6.177  | ug/l # | 9        |
| 95) Naphthalene               | 15.433 | 128  | 1159851  | 35.025 | ug/l   | 100      |

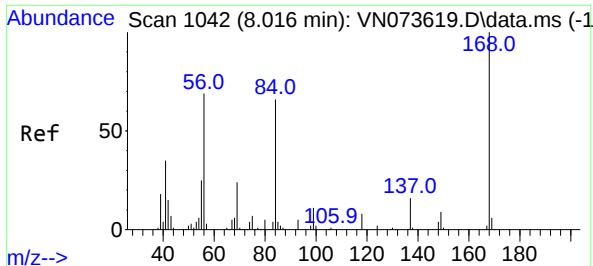
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QLast Update : Tue Aug 16 00:45:21 2022  
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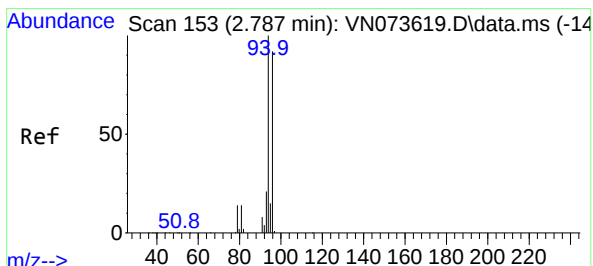
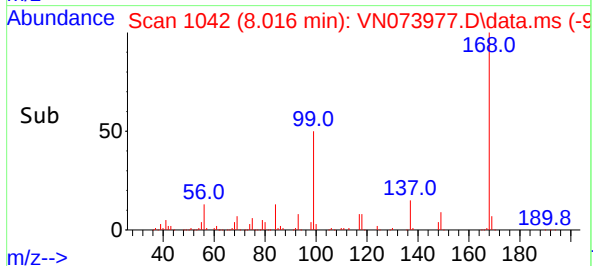
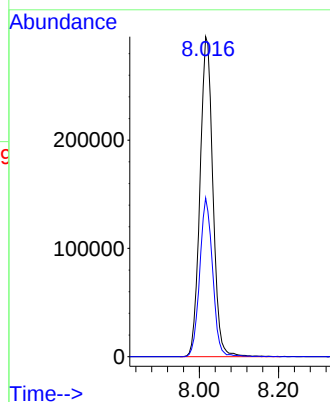
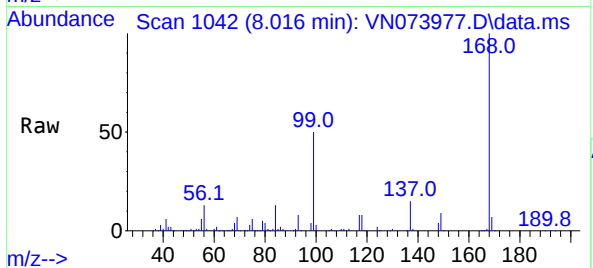




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

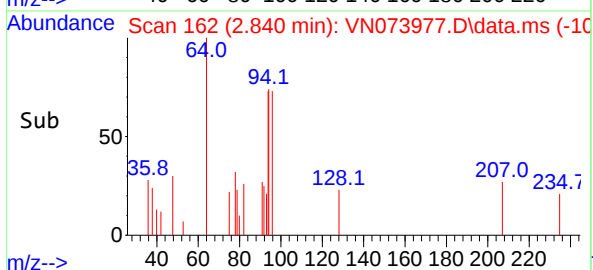
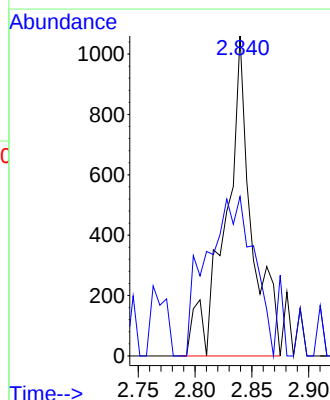
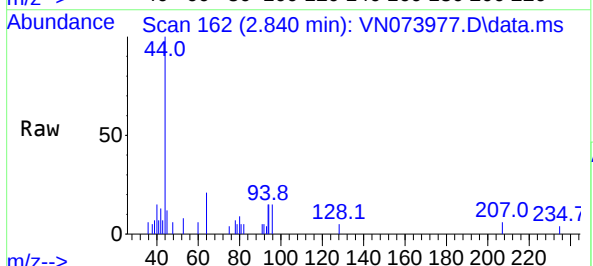
Instrument :  
MSVOA\_N  
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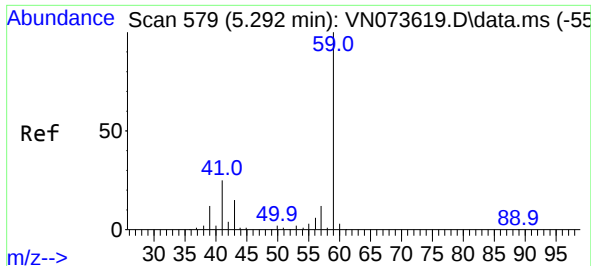
Tgt Ion:168 Resp: 667553  
Ion Ratio Lower Upper  
168 100  
99 49.6 42.3 63.5



#5  
Bromomethane  
Concen: 0.356 ug/l  
RT: 2.840 min Scan# 162  
Delta R.T. 0.053 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

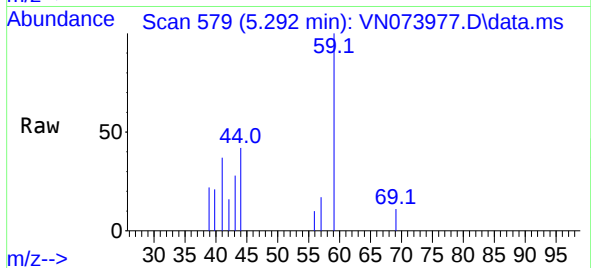
Tgt Ion: 94 Resp: 1681  
Ion Ratio Lower Upper  
94 100  
96 49.8 76.0 114.0#



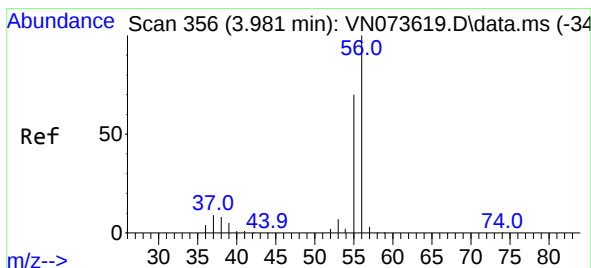
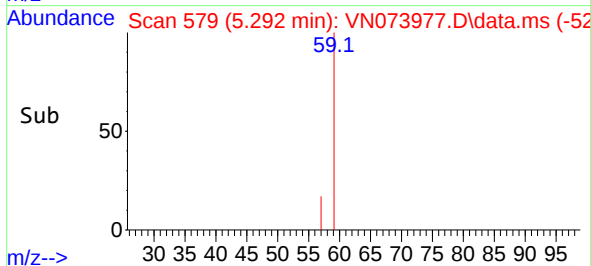
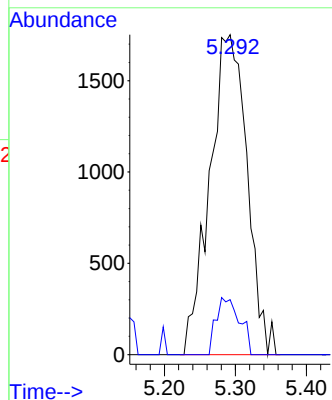


#11  
Tert butyl alcohol  
Concen: 4.404 ug/l  
RT: 5.292 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :

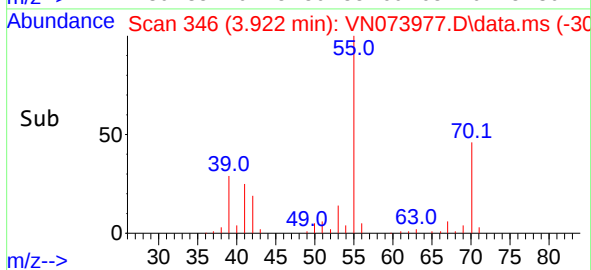
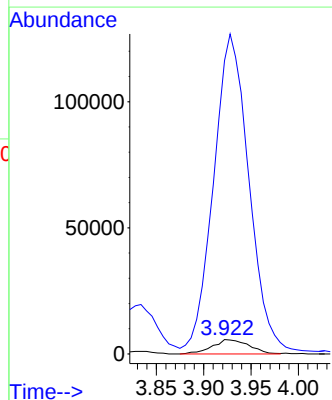
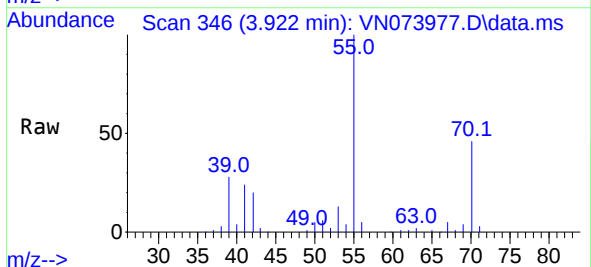


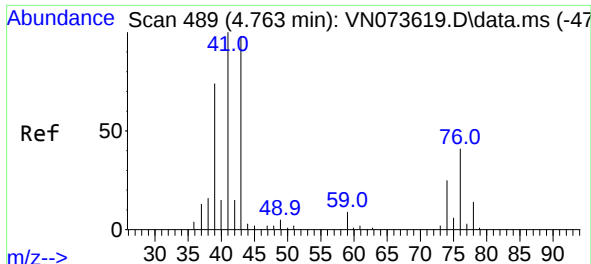
Tgt Ion: 59 Resp: 6405  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#13  
Acrolein  
Concen: 15.121 ug/l  
RT: 3.922 min Scan# 346  
Delta R.T. -0.059 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

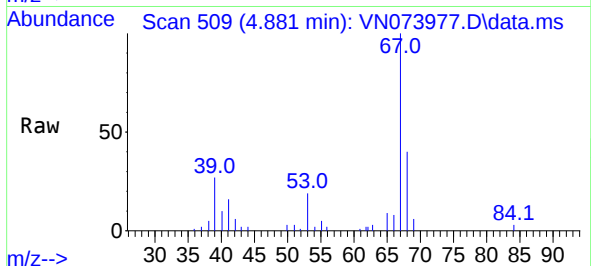
Tgt Ion: 56 Resp: 15393  
Ion Ratio Lower Upper  
56 100  
55 2141.4 54.8 82.2#



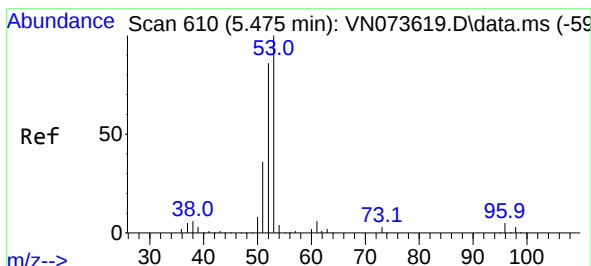
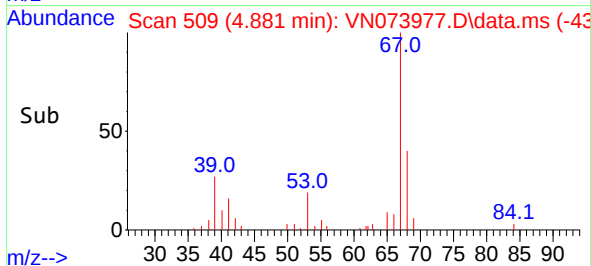
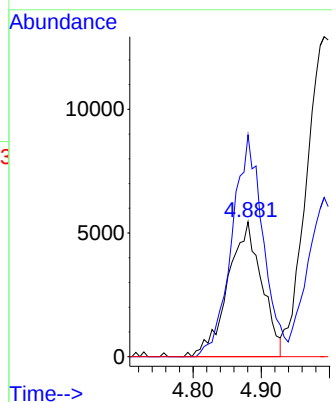


#14  
 Allyl chloride  
 Concen: 2.410 ug/l  
 RT: 4.881 min Scan# 509  
 Delta R.T. 0.118 min  
 Lab File: VN073977.D  
 Acq: 17 Aug 2022 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :

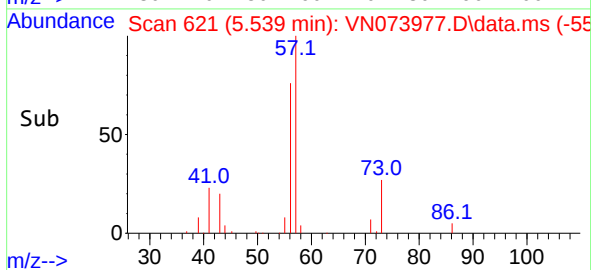
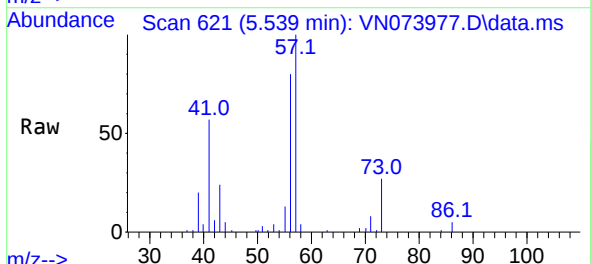
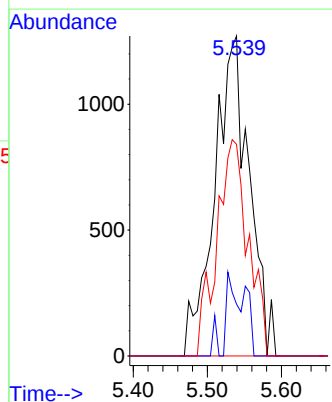


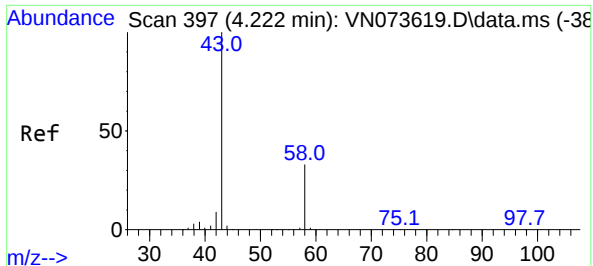
Tgt Ion: 41 Resp: 18802  
 Ion Ratio Lower Upper  
 41 100  
 39 151.9 53.2 79.8#  
 76 0.0 29.9 44.9#



#15  
 Acrylonitrile  
 Concen: 1.166 ug/l  
 RT: 5.539 min Scan# 621  
 Delta R.T. 0.064 min  
 Lab File: VN073977.D  
 Acq: 17 Aug 2022 15:33

Tgt Ion: 53 Resp: 4141  
 Ion Ratio Lower Upper  
 53 100  
 52 8.2 66.4 99.6#  
 51 61.3 28.5 42.7#

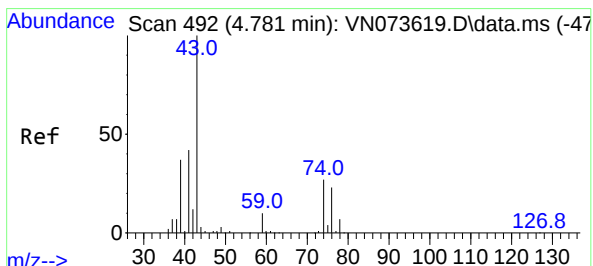
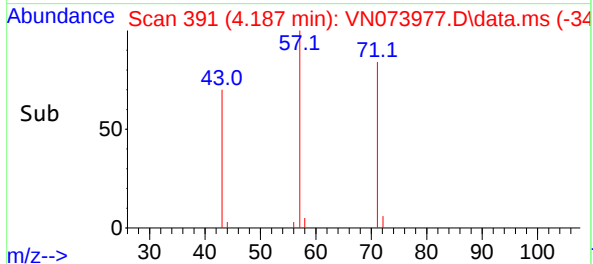
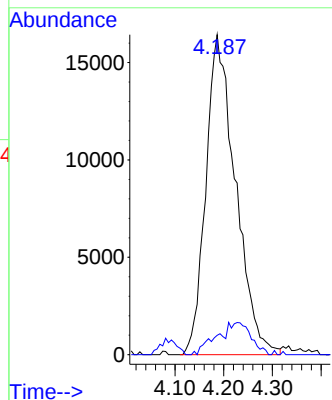
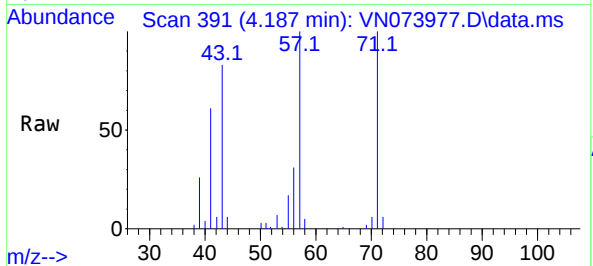




#16  
Acetone  
Concen: 22.665 ug/l  
RT: 4.187 min Scan# 391  
Delta R.T. -0.035 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

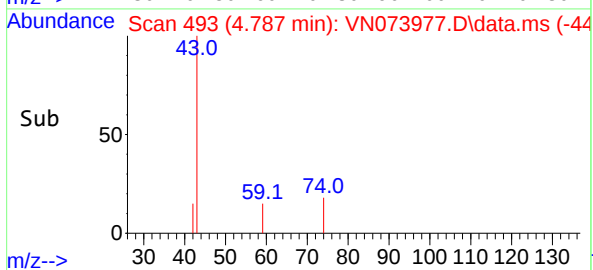
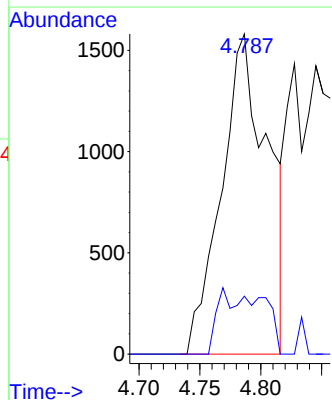
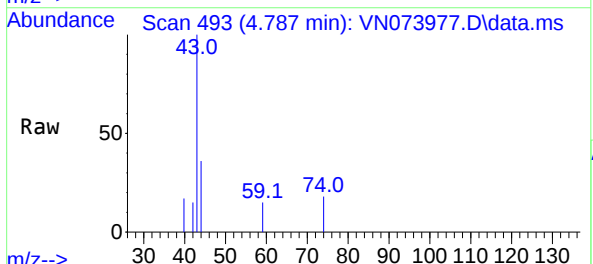
Instrument :  
MSVOA\_N  
ClientSampleId :

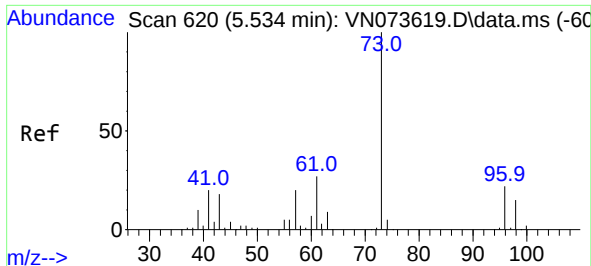
Tgt Ion: 43 Resp: 69527  
Ion Ratio Lower Upper  
43 100  
58 6.1 26.0 39.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.787 min Scan# 493  
Delta R.T. 0.006 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 43 Resp: 4167  
Ion Ratio Lower Upper  
43 100  
74 8.4 21.6 32.4#

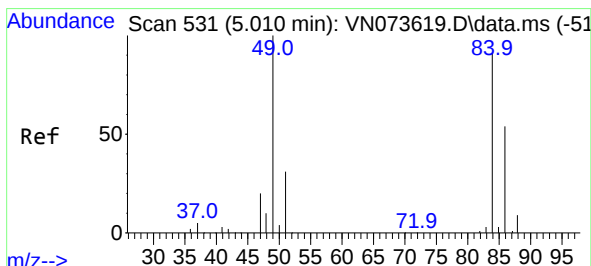
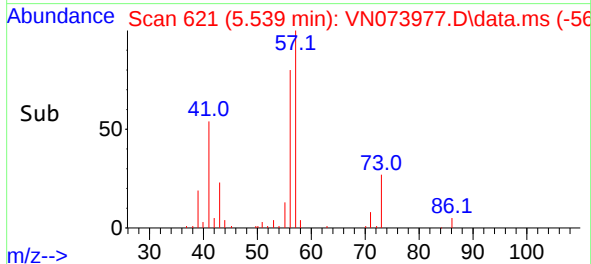
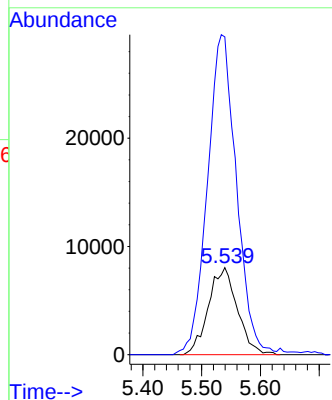
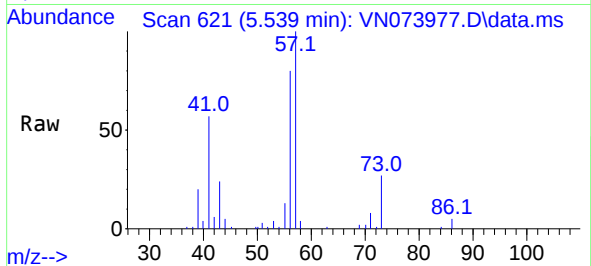




#19  
Methyl tert-butyl Ether  
Concen: 1.451 ug/l  
RT: 5.539 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

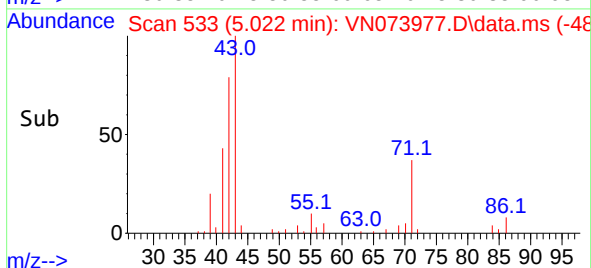
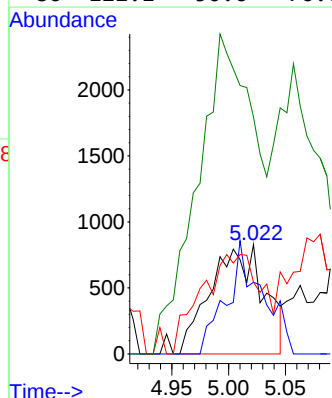
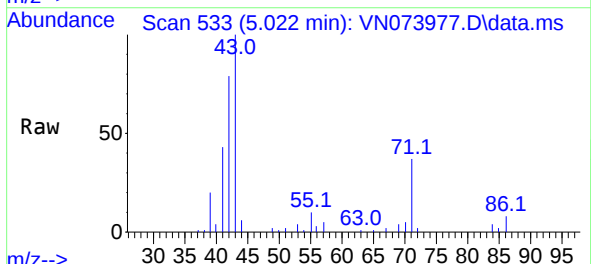
Instrument :  
MSVOA\_N  
ClientSampleId :

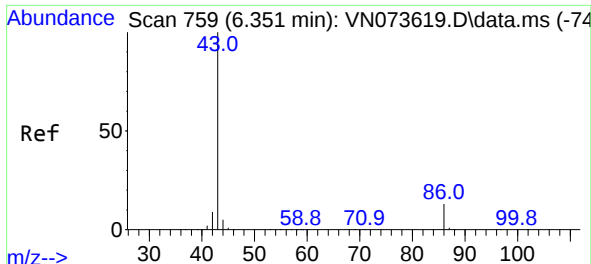
Tgt Ion: 73 Resp: 27533  
Ion Ratio Lower Upper  
73 100  
57 360.6 17.6 26.4#



#20  
Methylene Chloride  
Concen: 0.415 ug/l  
RT: 5.022 min Scan# 533  
Delta R.T. 0.012 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 84 Resp: 2687  
Ion Ratio Lower Upper  
84 100  
49 65.5 88.3 132.5#  
51 30.2 28.2 42.2  
86 122.1 50.6 76.0#

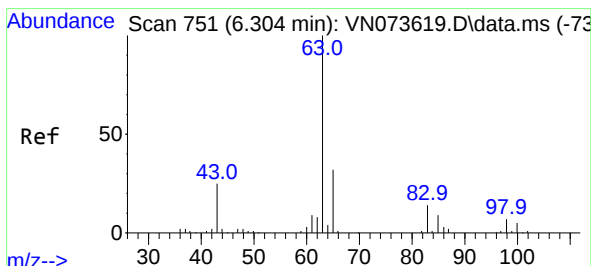
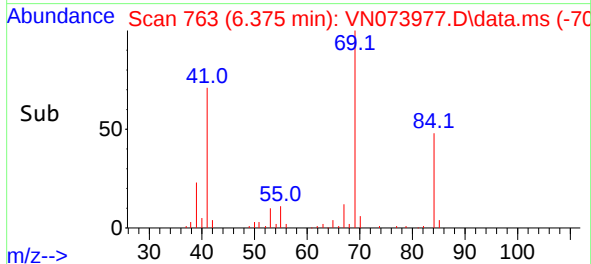
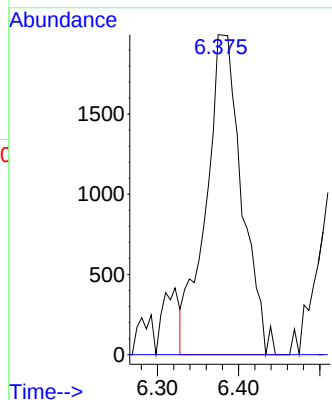
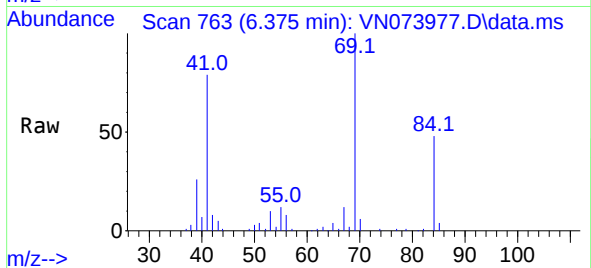




#23  
 Vinyl Acetate  
 Concen: 0.433 ug/l  
 RT: 6.375 min Scan# 703  
 Delta R.T. 0.024 min  
 Lab File: VN073977.D  
 Acq: 17 Aug 2022 15:33

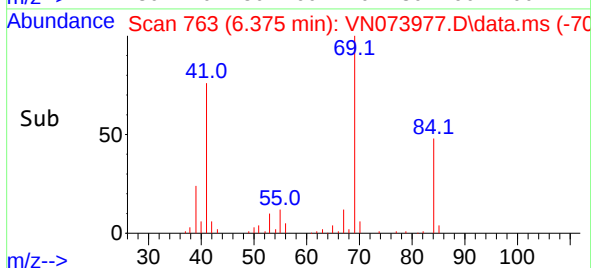
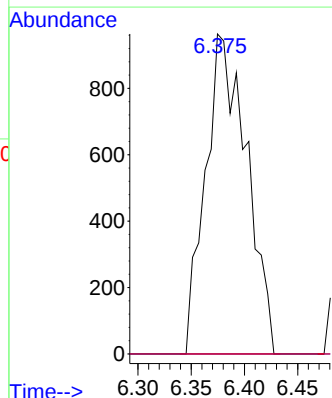
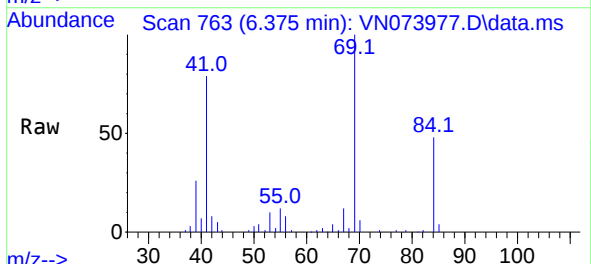
Instrument :  
 MSVOA\_N  
 ClientSampleId :

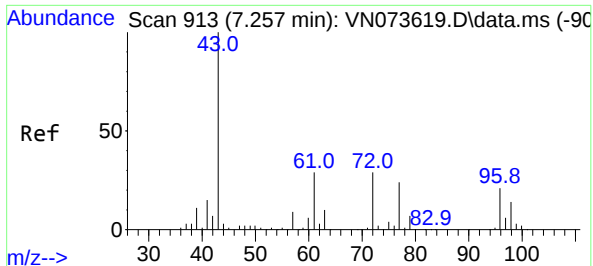
Tgt Ion: 43 Resp: 6141  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 10.0 15.0#



#24  
 1,1-Dichloroethane  
 Concen: 0.251 ug/l  
 RT: 6.375 min Scan# 763  
 Delta R.T. 0.071 min  
 Lab File: VN073977.D  
 Acq: 17 Aug 2022 15:33

Tgt Ion: 63 Resp: 2586  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.5 10.4#  
 100 0.0 2.3 6.8#





#25

2-Butanone

Concen: 2.197 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN073977.D

Acq: 17 Aug 2022 15:33

Instrument :

MSVOA\_N

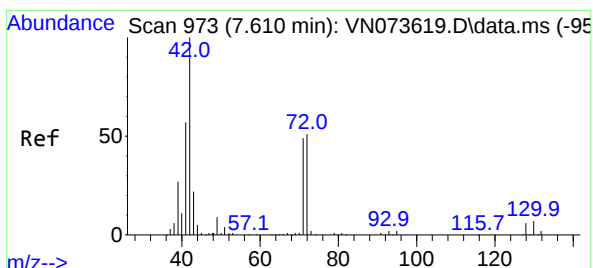
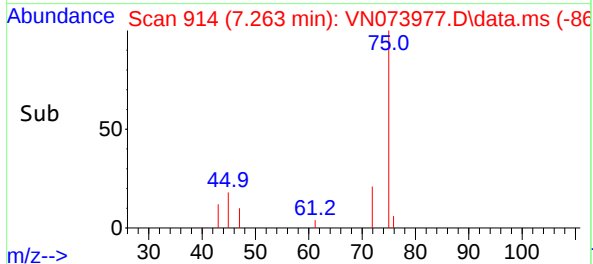
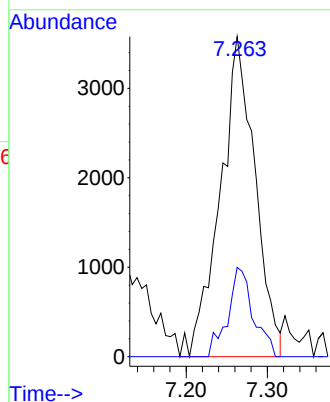
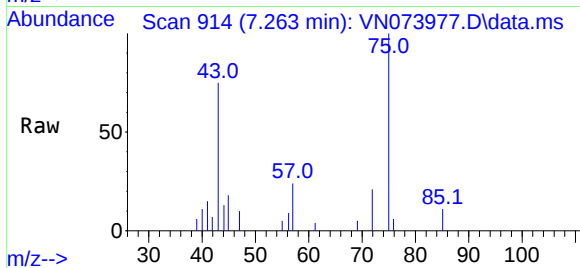
ClientSampleId :

Tgt Ion: 43 Resp: 10687

Ion Ratio Lower Upper

43 100

72 27.9 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073977.D

Acq: 17 Aug 2022 15:33

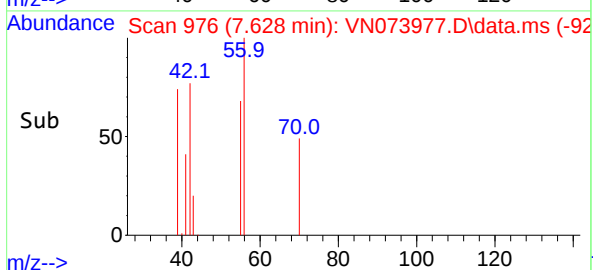
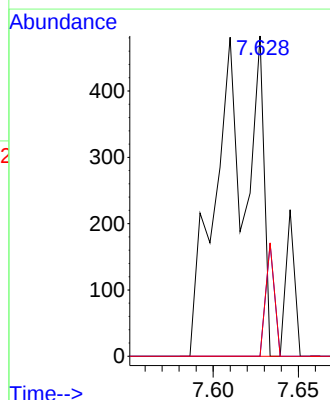
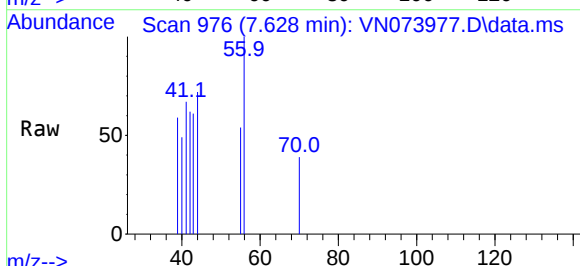
Tgt Ion: 42 Resp: 731

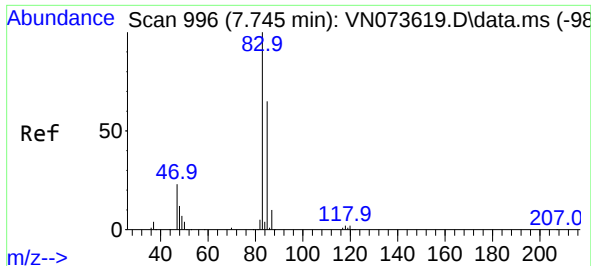
Ion Ratio Lower Upper

42 100

72 8.2 39.7 59.5#

71 0.0 36.6 55.0#

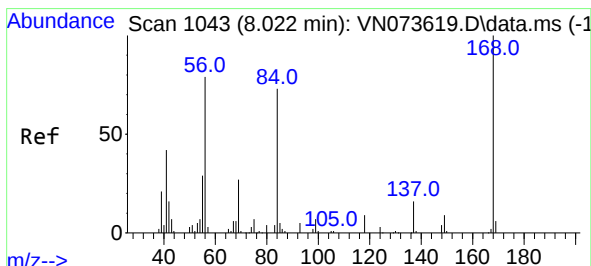
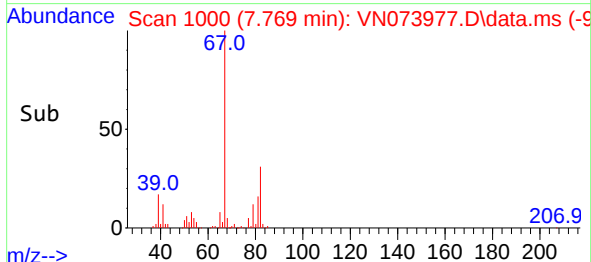
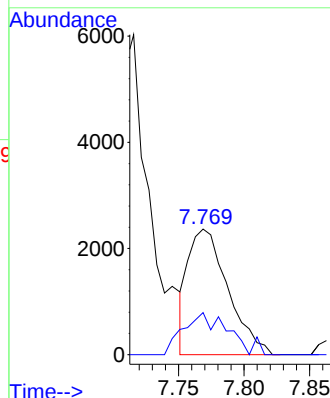
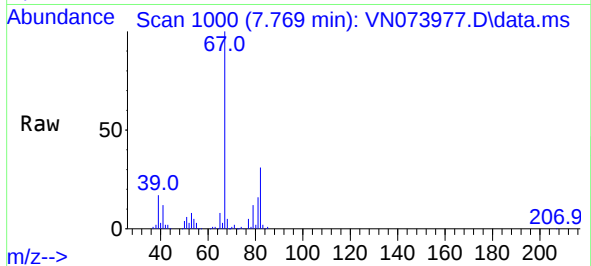




#30  
Chloroform  
Concen: 0.432 ug/l  
RT: 7.769 min Scan# 1000  
Delta R.T. 0.024 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

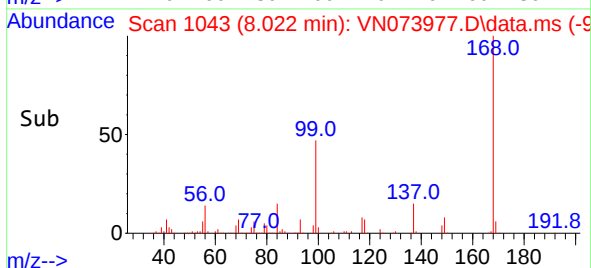
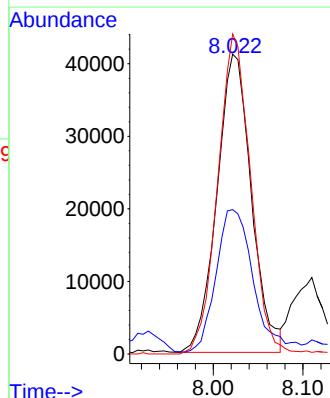
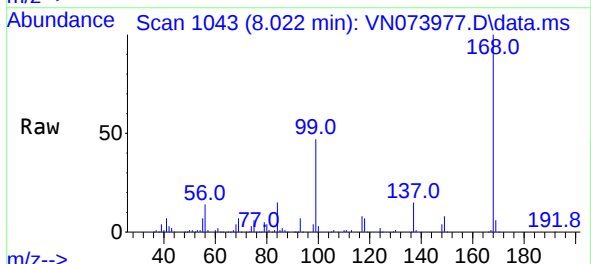
Instrument :  
MSVOA\_N  
ClientSampleId :

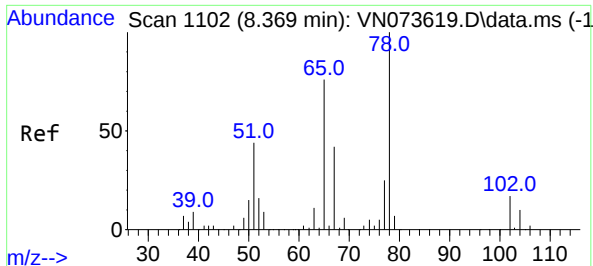
Tgt Ion: 83 Resp: 4974  
Ion Ratio Lower Upper  
83 100  
85 33.5 51.8 77.8#



#31  
Cyclohexane  
Concen: 12.094 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. -0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 56 Resp: 109615  
Ion Ratio Lower Upper  
56 100  
69 47.9 27.8 41.8#  
84 107.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 47.522 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073977.D

Acq: 17 Aug 2022 15:33

Instrument :

MSVOA\_N

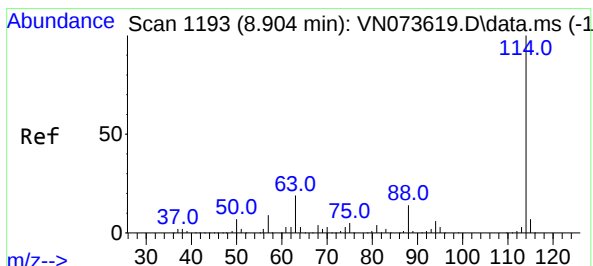
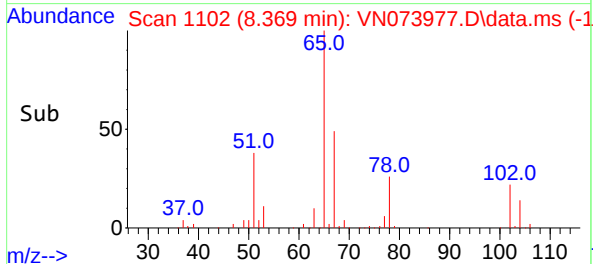
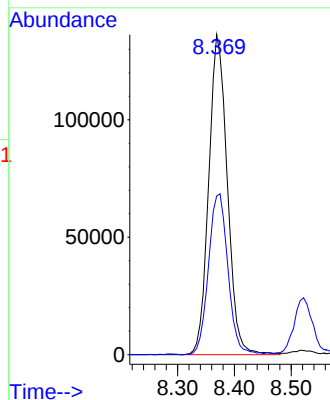
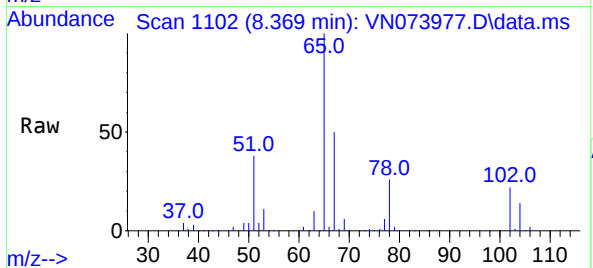
ClientSampleId :

Tgt Ion: 65 Resp: 308983

Ion Ratio Lower Upper

65 100

67 52.9 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: VN073977.D

Acq: 17 Aug 2022 15:33

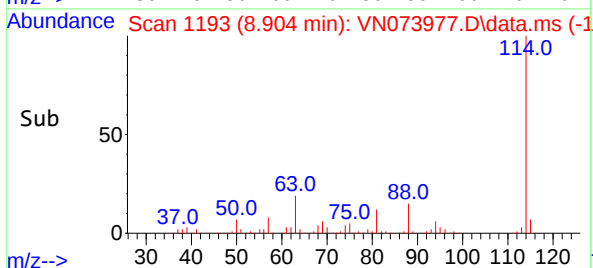
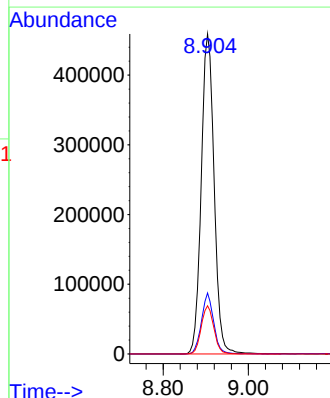
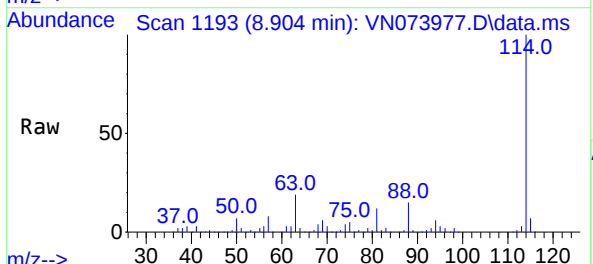
Tgt Ion: 114 Resp: 962846

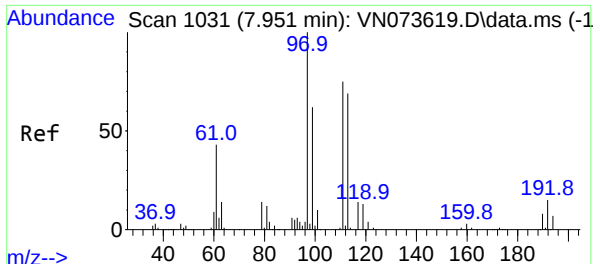
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

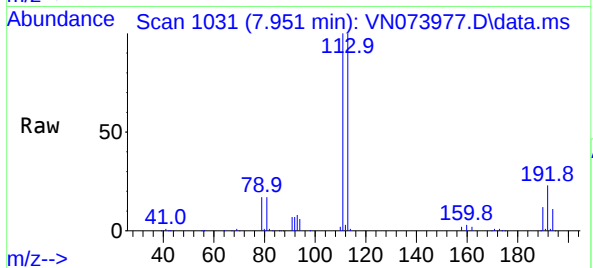
88 15.1 0.0 32.6



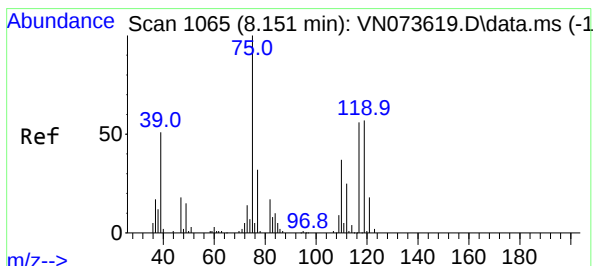
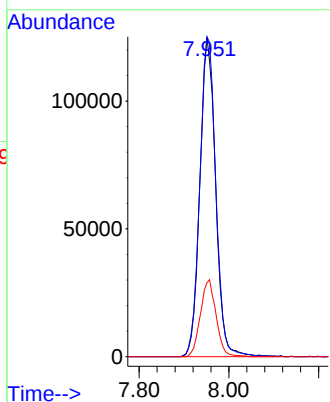
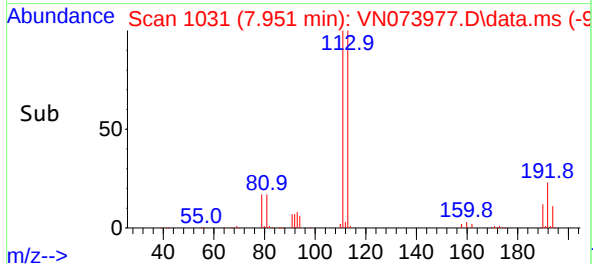


#35  
Dibromofluoromethane  
Concen: 53.261 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

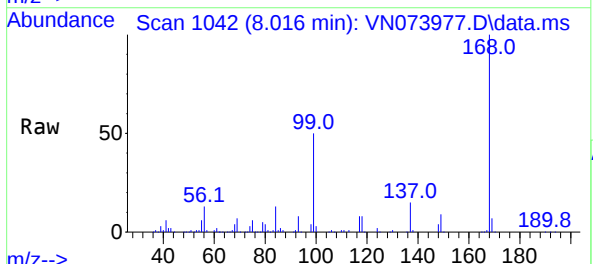
Instrument :  
MSVOA\_N  
ClientSampleId :



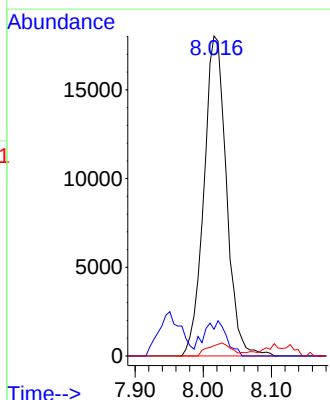
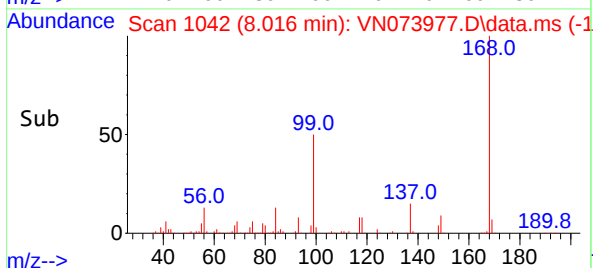
Tgt Ion:113 Resp: 303278  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.4 122.0  
192 24.0 17.0 25.6

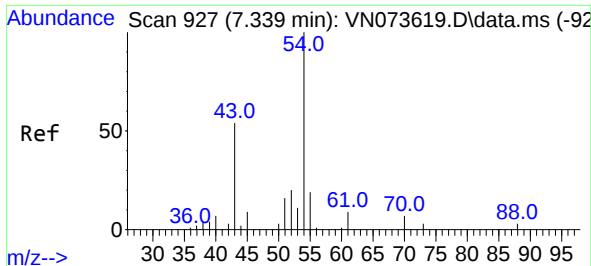


#36  
1,1-Dichloropropene  
Concen: 5.247 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.135 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33



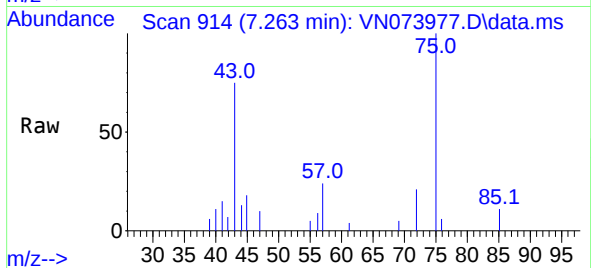
Tgt Ion: 75 Resp: 41497  
Ion Ratio Lower Upper  
75 100  
110 11.0 18.3 54.8#  
77 0.0 25.1 37.7#



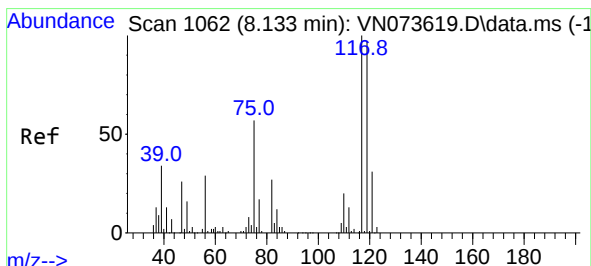
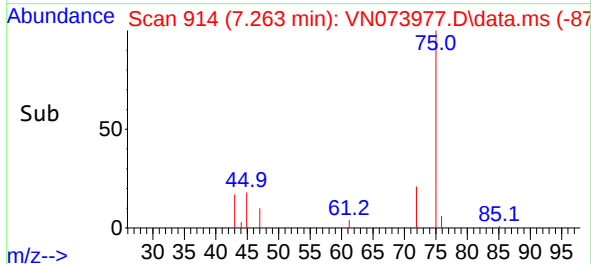
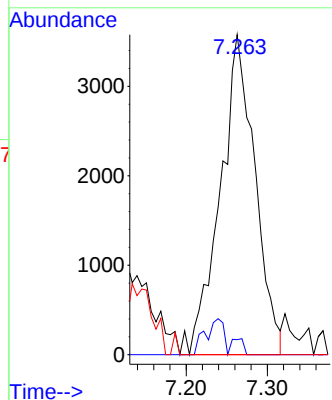


#37  
Ethyl Acetate  
Concen: 1.115 ug/l  
RT: 7.263 min Scan# 91  
Delta R.T. -0.076 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :

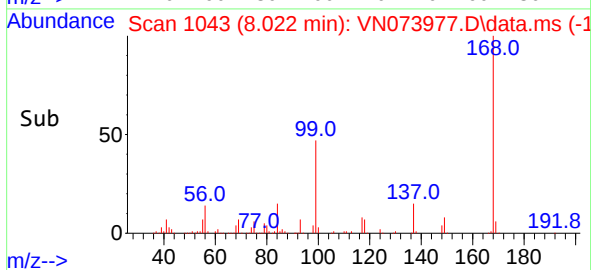
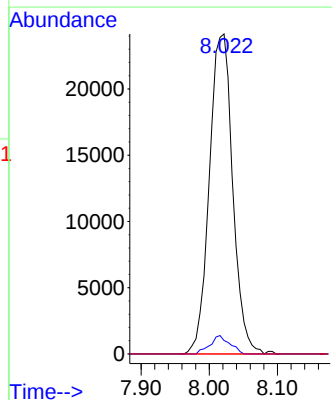
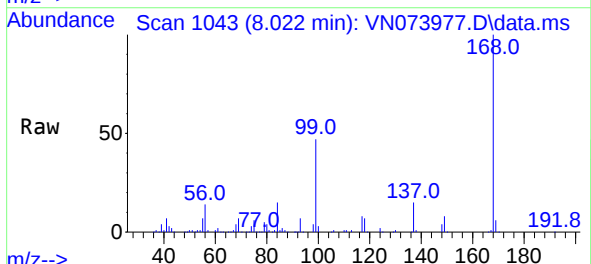


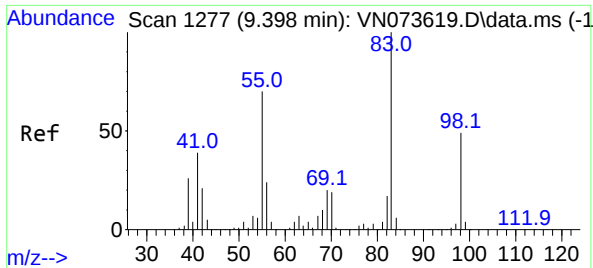
Tgt Ion: 43 Resp: 10687  
Ion Ratio Lower Upper  
43 100  
61 0.6 11.8 17.6#  
70 0.0 9.3 13.9#



#38  
Carbon Tetrachloride  
Concen: 6.379 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. -0.111 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 117 Resp: 57666  
Ion Ratio Lower Upper  
117 100  
119 4.2 75.8 113.8#  
121 0.0 24.6 37.0#

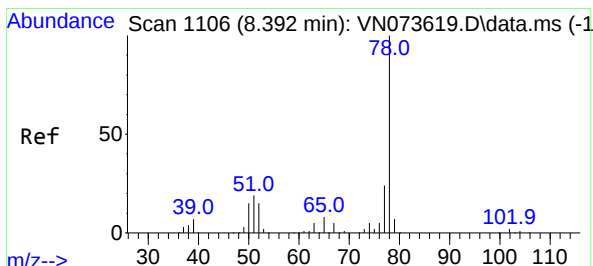
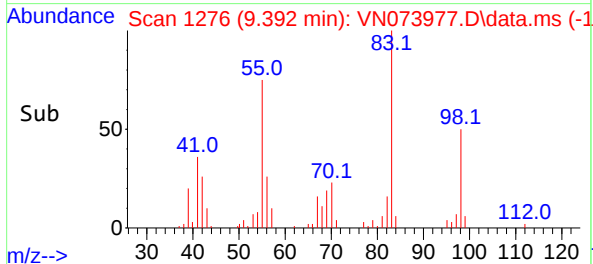
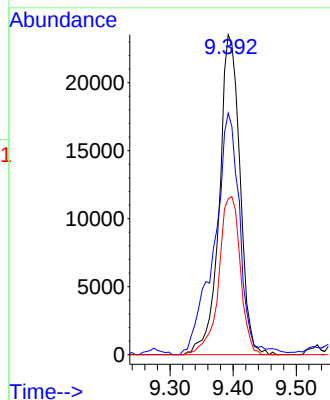
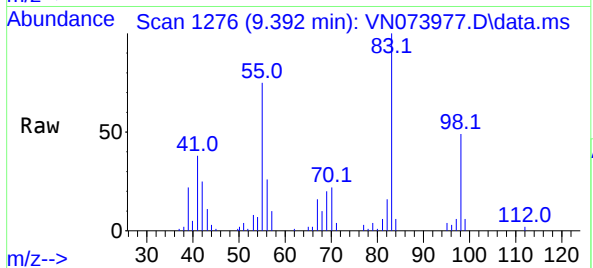




#39  
Methylcyclohexane  
Concen: 5.381 ug/l  
RT: 9.392 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

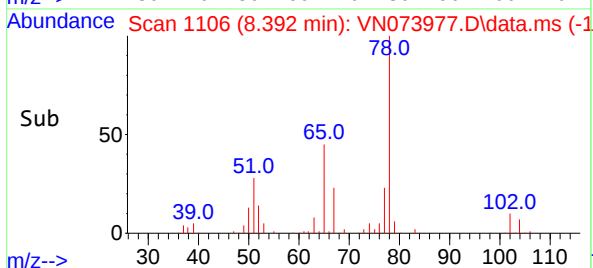
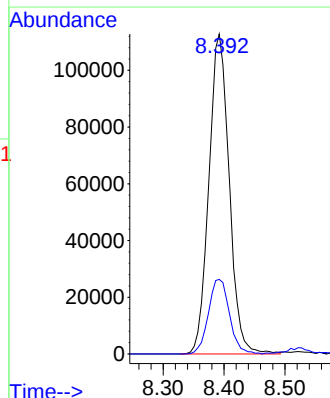
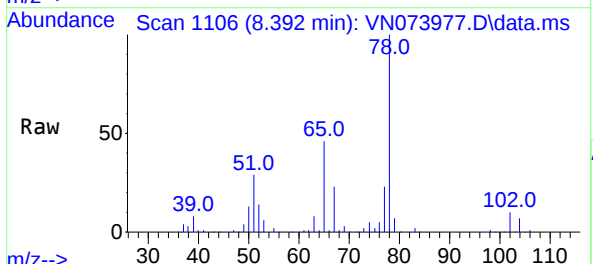
Instrument :  
MSVOA\_N  
ClientSampleId :

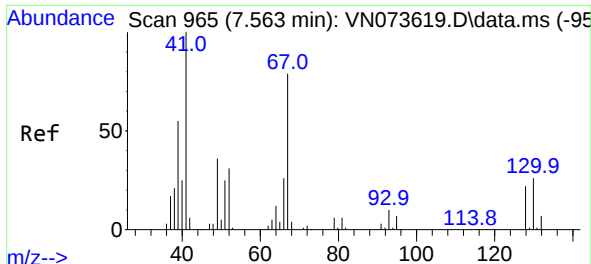
Tgt Ion: 83 Resp: 53328  
Ion Ratio Lower Upper  
83 100  
55 75.5 57.8 86.8  
98 48.7 39.4 59.2



#40  
Benzene  
Concen: 10.483 ug/l  
RT: 8.392 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

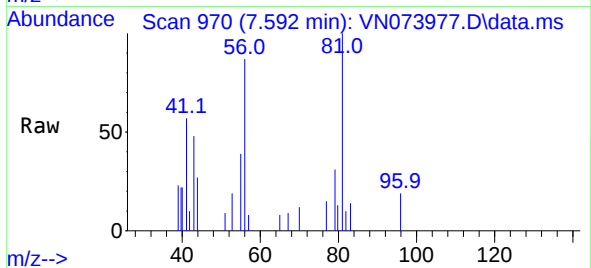
Tgt Ion: 78 Resp: 261680  
Ion Ratio Lower Upper  
78 100  
77 23.3 19.4 29.0





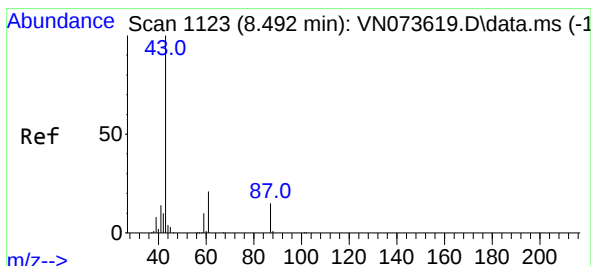
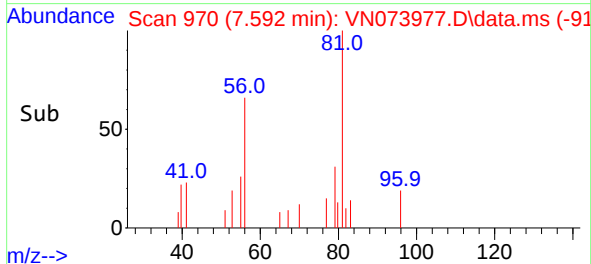
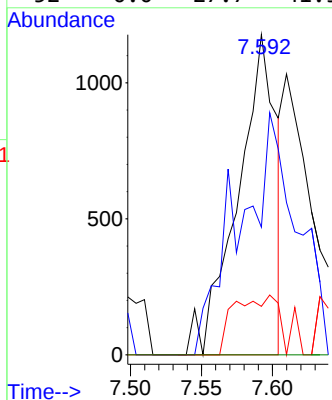
#41  
Methacrylonitrile  
Concen: 0.512 ug/l  
RT: 7.592 min Scan# 91  
Delta R.T. 0.029 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 41 Resp: 2216

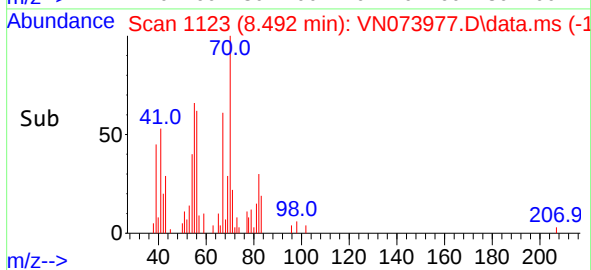
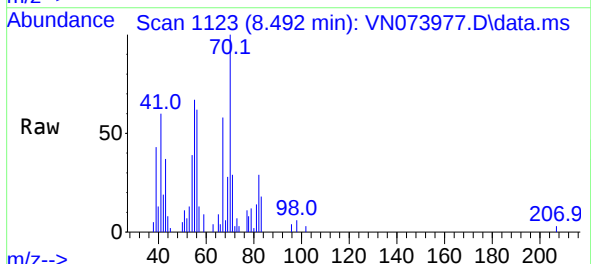
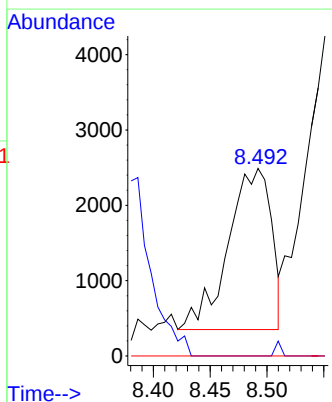
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 41  | 100   |       |        |
| 39  | 77.2  | 48.6  | 73.0#  |
| 67  | 0.0   | 73.4  | 110.2# |
| 52  | 0.0   | 27.7  | 41.5#  |

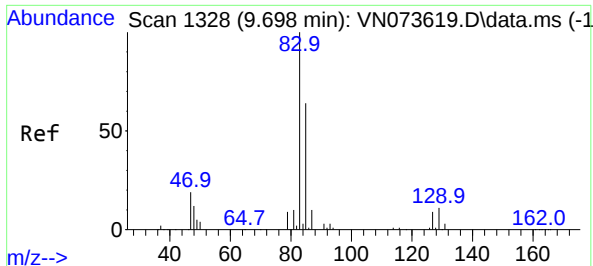


#43  
Isopropyl Acetate  
Concen: 0.416 ug/l  
RT: 8.492 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 43 Resp: 5679

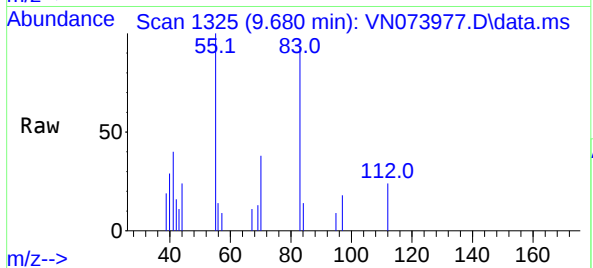
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 0.0   | 21.9  | 32.9# |
| 87  | 0.0   | 12.0  | 18.0# |



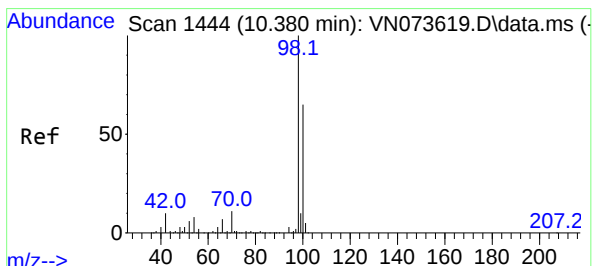
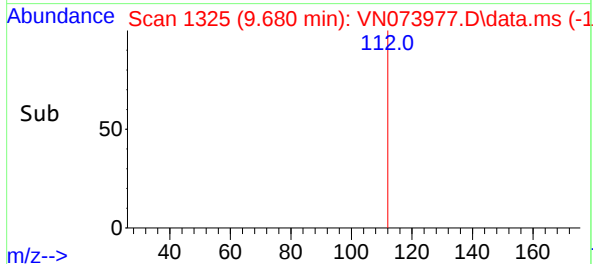
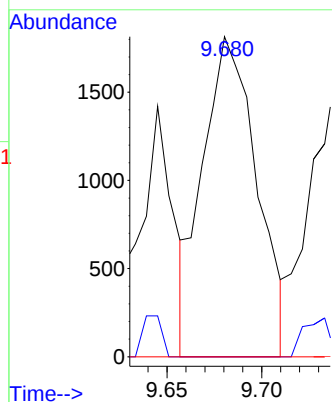


#47  
Bromodichloromethane  
Concen: 0.413 ug/l  
RT: 9.680 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :

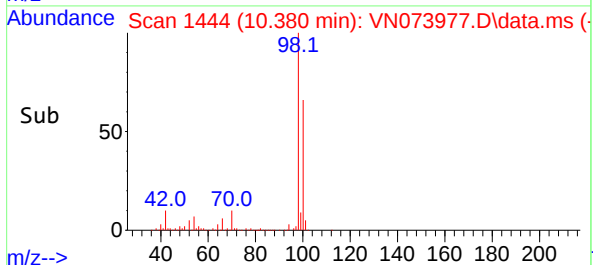
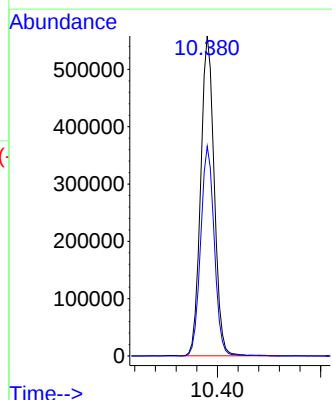
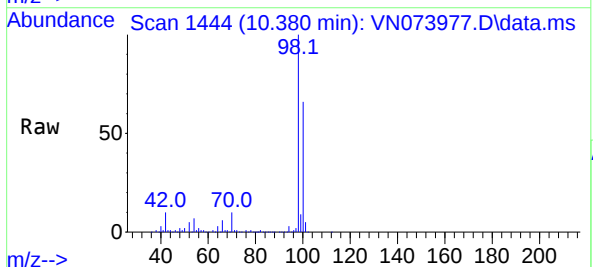


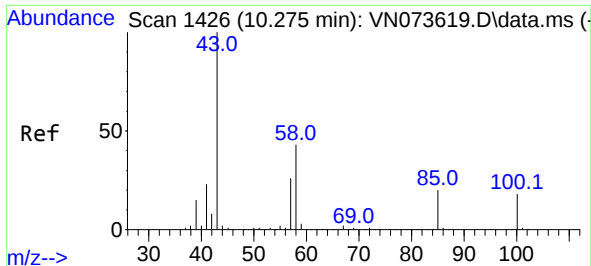
Tgt Ion: 83 Resp: 3591  
Ion Ratio Lower Upper  
83 100  
85 0.0 50.5 75.7#  
127 0.0 6.8 10.2#



#50  
Toluene-d8  
Concen: 45.857 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 98 Resp: 1011278  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.6 78.8

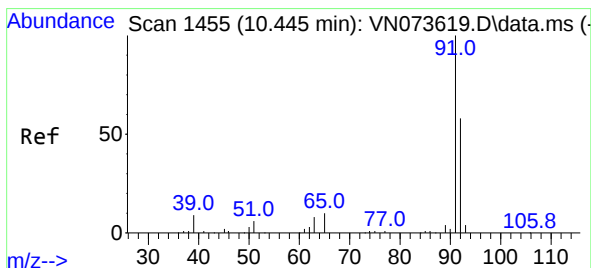
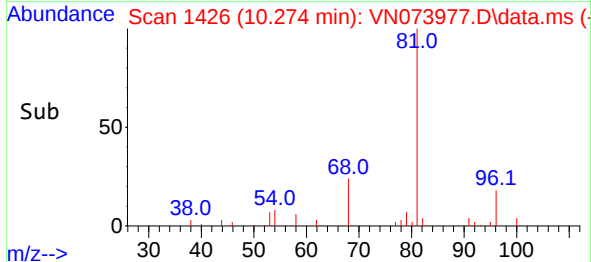
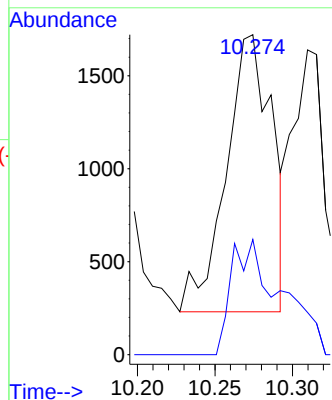
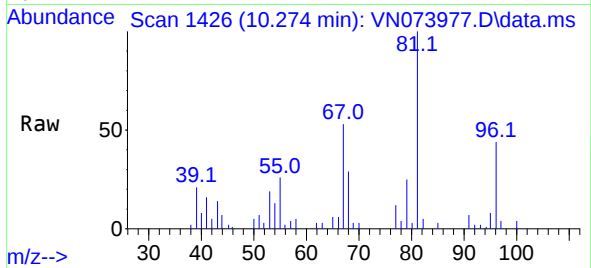




#51  
4-Methyl-2-Pentanone  
Concen: 0.334 ug/l  
RT: 10.274 min Scan# 1426  
Delta R.T. -0.001 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

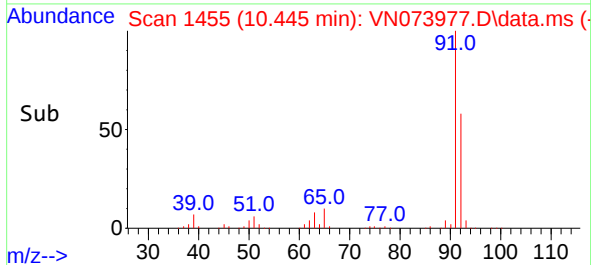
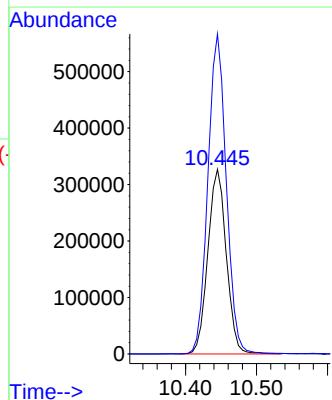
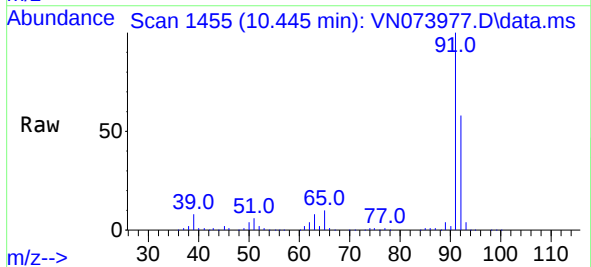
Instrument :  
MSVOA\_N  
ClientSampleId :

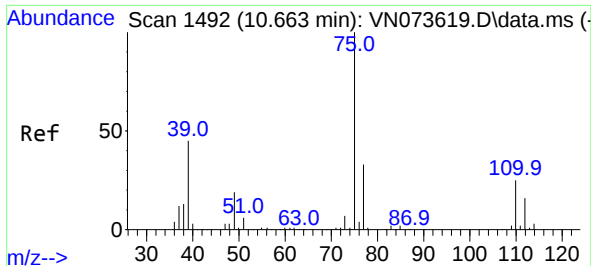
Tgt Ion: 43 Resp: 3080  
Ion Ratio Lower Upper  
43 100  
58 44.8 34.1 51.1



#52  
Toluene  
Concen: 34.453 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 92 Resp: 589735  
Ion Ratio Lower Upper  
92 100  
91 173.0 138.6 207.8

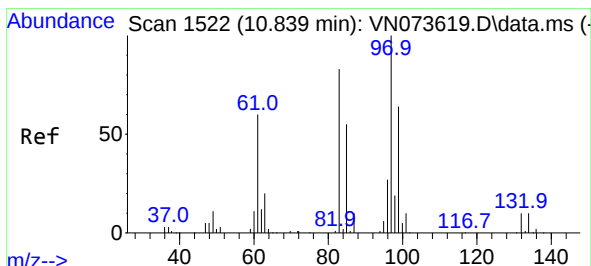
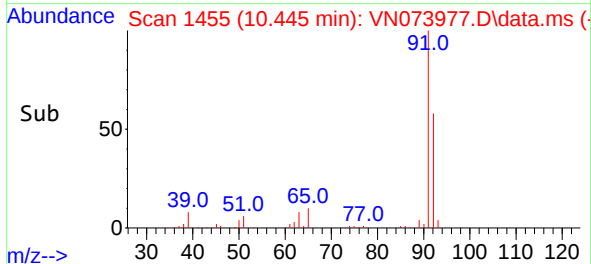
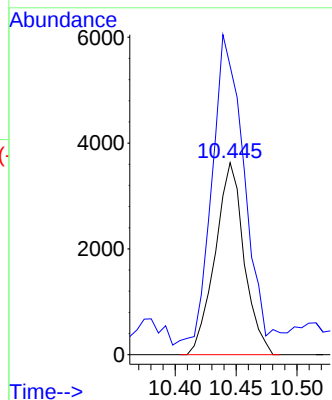
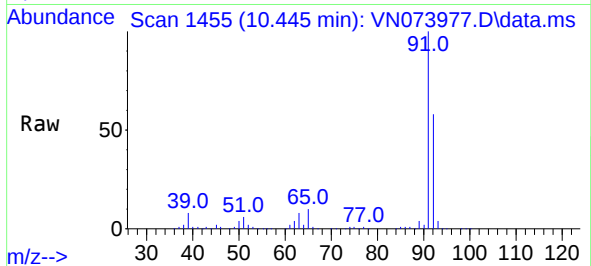




#53  
t-1,3-Dichloropropene  
Concen: 0.659 ug/l  
RT: 10.445 min Scan# 1492  
Delta R.T. -0.218 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

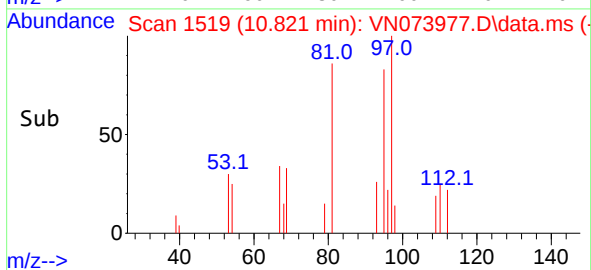
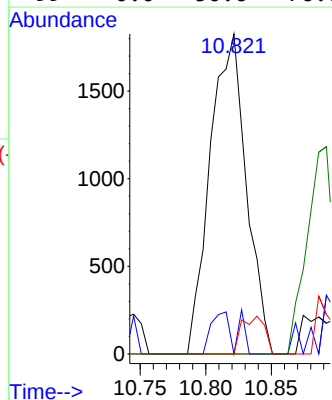
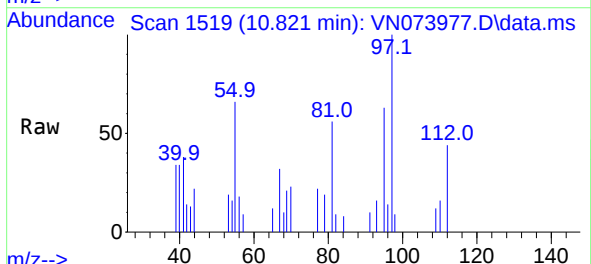
Instrument :  
MSVOA\_N  
ClientSampleId :

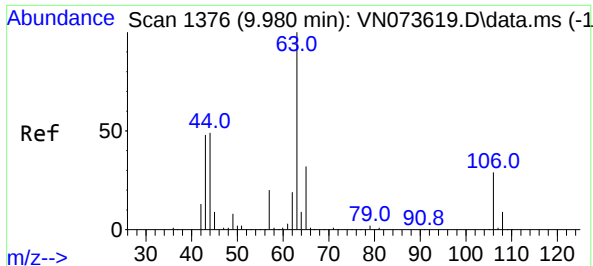
Tgt Ion: 75 Resp: 6011  
Ion Ratio Lower Upper  
75 100  
77 142.9 25.6 38.4#



#55  
1,1,2-Trichloroethane  
Concen: 0.527 ug/l  
RT: 10.821 min Scan# 1519  
Delta R.T. -0.018 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 97 Resp: 3511  
Ion Ratio Lower Upper  
97 100  
83 0.0 66.2 99.4#  
85 0.0 43.9 65.9#  
99 0.0 50.6 76.0#

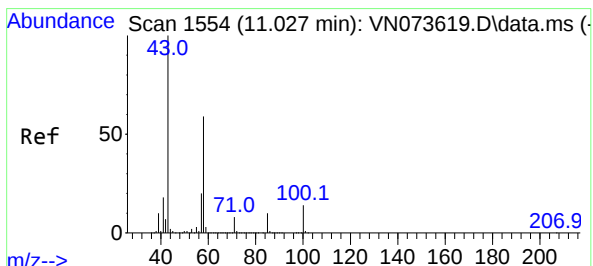
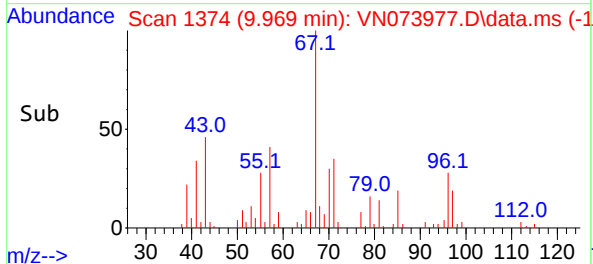
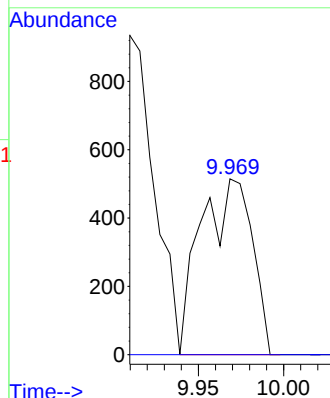
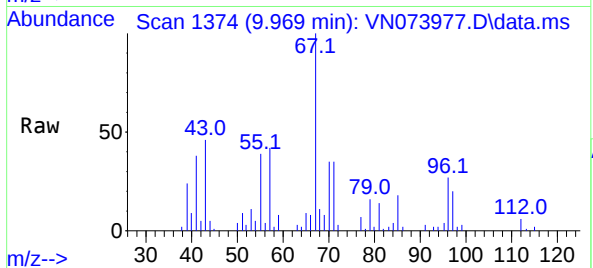




#58  
2-Chloroethyl Vinyl ether  
Concen: 0.244 ug/l  
RT: 9.969 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

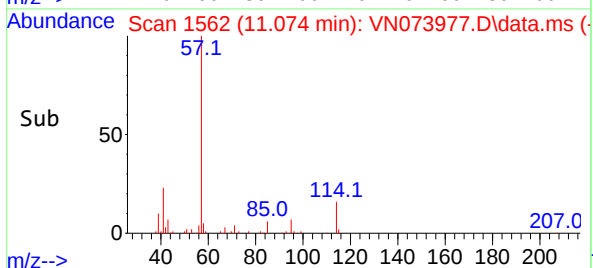
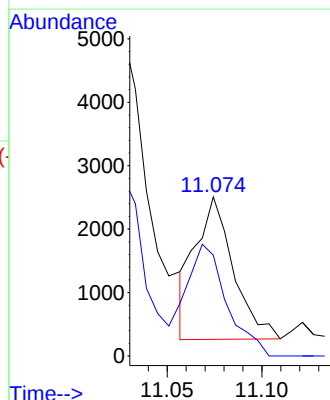
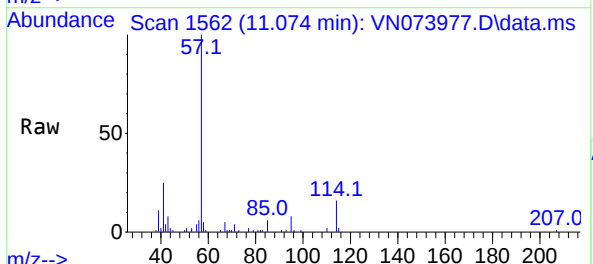
Instrument :  
MSVOA\_N  
ClientSampleId :

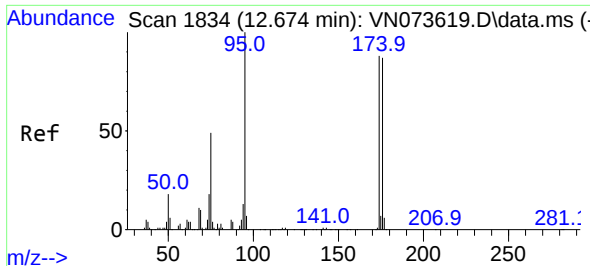
Tgt Ion: 63 Resp: 1081  
Ion Ratio Lower Upper  
63 100  
106 0.0 24.6 36.8#



#59  
2-Hexanone  
Concen: 0.442 ug/l  
RT: 11.074 min Scan# 1562  
Delta R.T. 0.047 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 43 Resp: 3139  
Ion Ratio Lower Upper  
43 100  
58 83.9 29.7 89.1

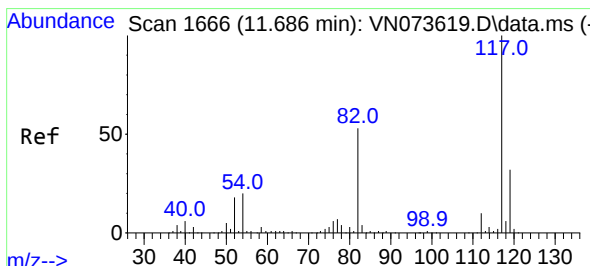
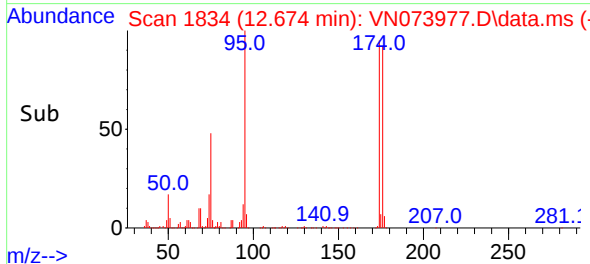
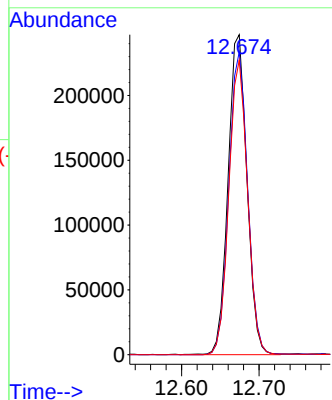
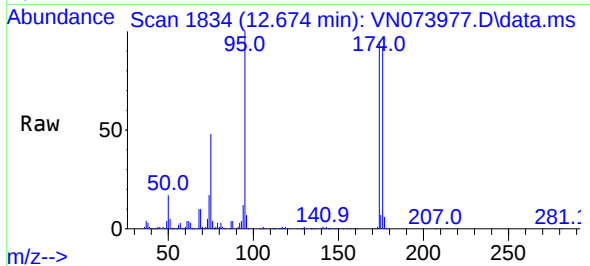




#62  
4-Bromofluorobenzene  
Concen: 57.203 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

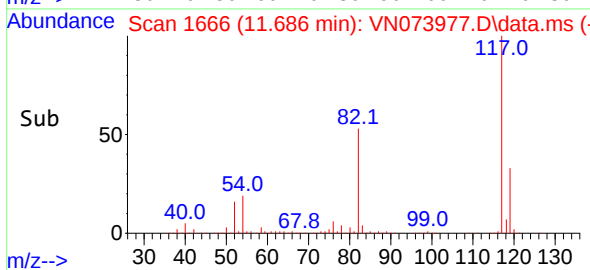
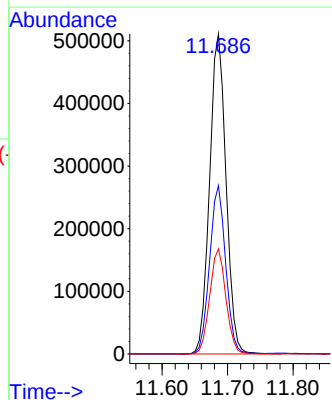
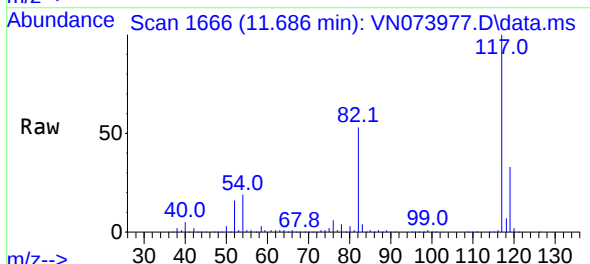
Instrument :  
MSVOA\_N  
ClientSampleId :

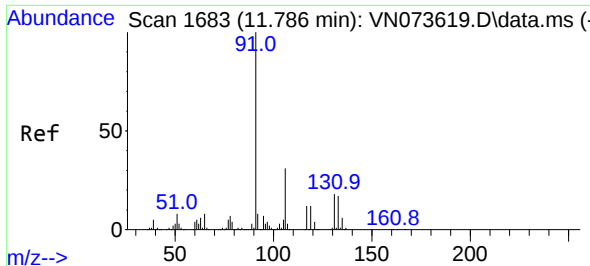
Tgt Ion: 95 Resp: 418670  
Ion Ratio Lower Upper  
95 100  
174 94.3 0.0 167.6  
176 91.3 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 117 Resp: 888511  
Ion Ratio Lower Upper  
117 100  
82 52.6 44.2 66.2  
119 32.8 25.4 38.0

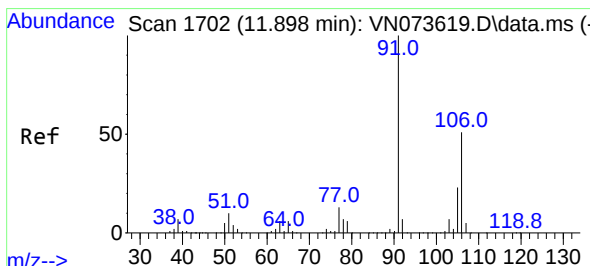
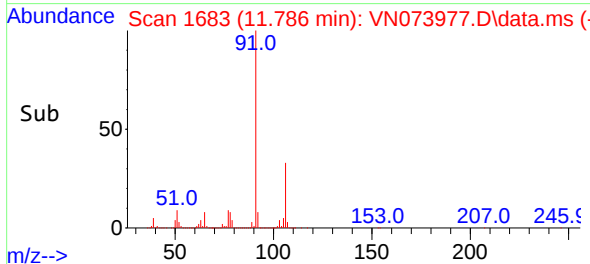
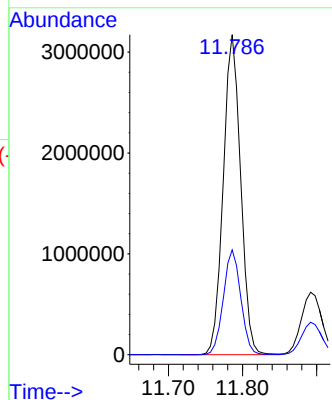
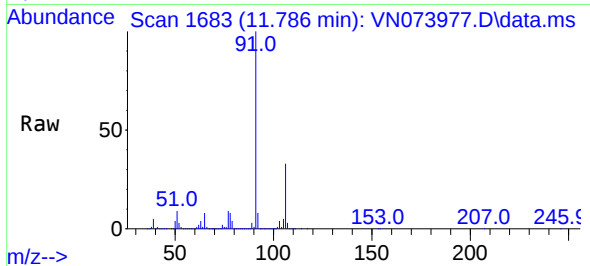




#67  
Ethyl Benzene  
Concen: 164.720 ug/l  
RT: 11.786 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

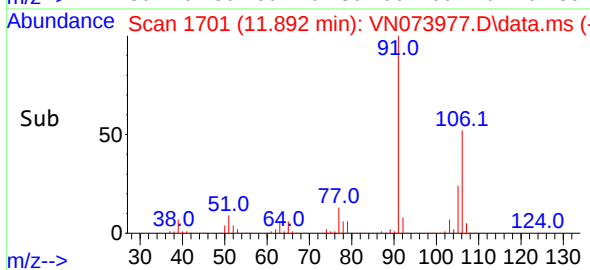
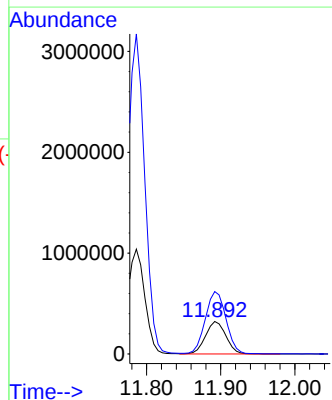
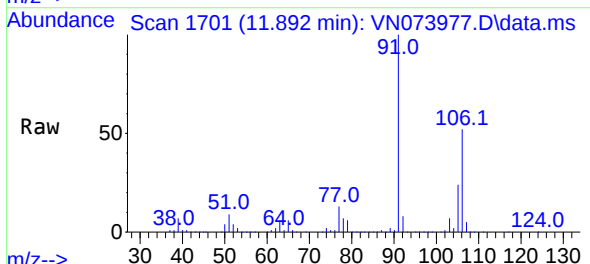
Instrument :  
MSVOA\_N  
ClientSampleId :

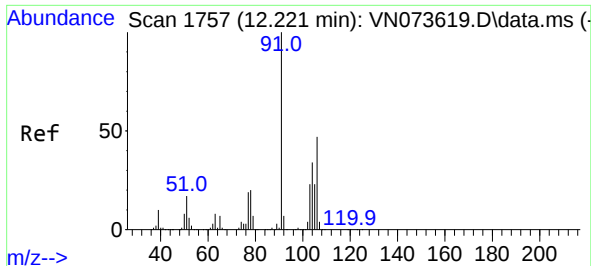
Tgt Ion: 91 Resp: 5172760  
Ion Ratio Lower Upper  
91 100  
106 32.8 24.9 37.3



#68  
m/p-Xylenes  
Concen: 47.991 ug/l  
RT: 11.892 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 106 Resp: 612339  
Ion Ratio Lower Upper  
106 100  
91 196.6 158.9 238.3

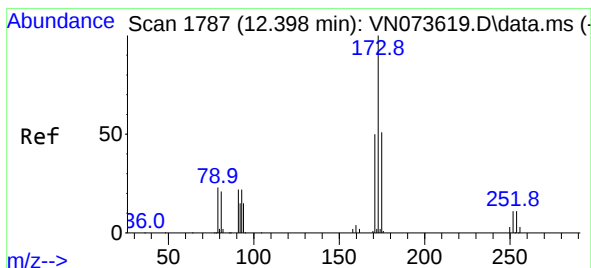
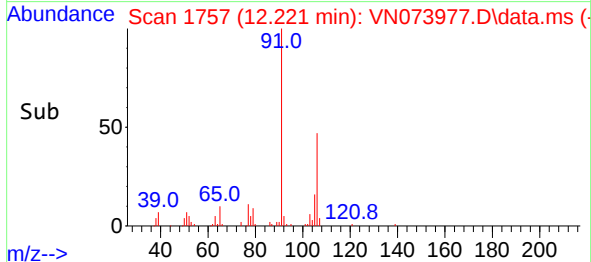
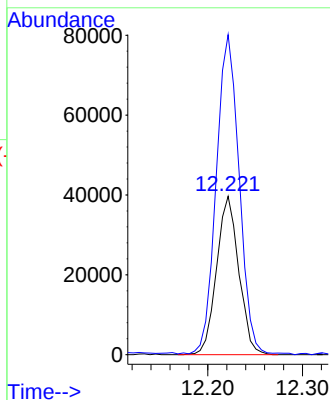
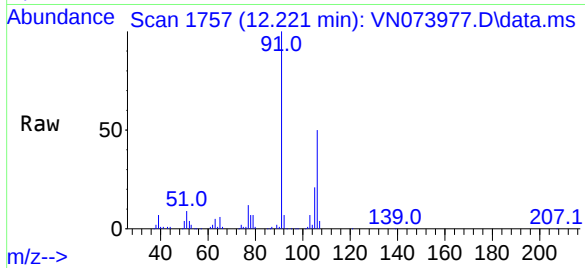




#69  
o-Xylene  
Concen: 5.046 ug/l  
RT: 12.221 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

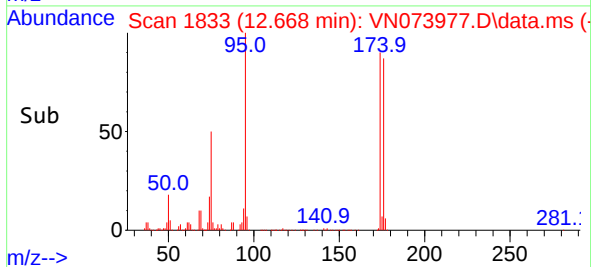
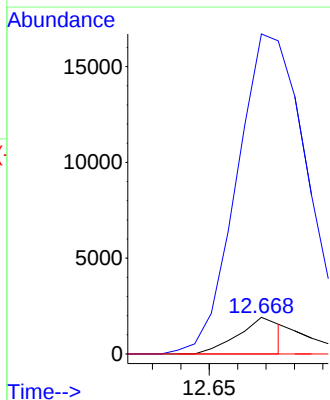
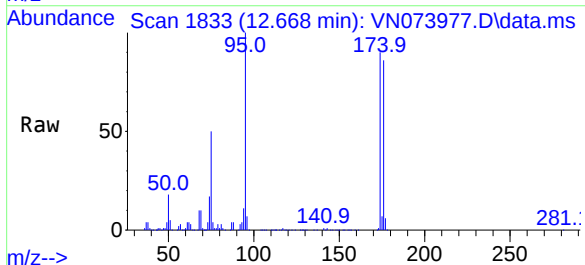
Instrument :  
MSVOA\_N  
ClientSampleId :

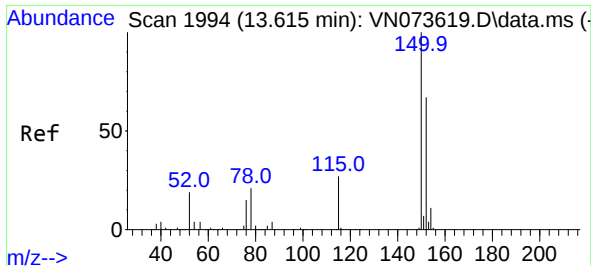
Tgt Ion:106 Resp: 64569  
Ion Ratio Lower Upper  
106 100  
91 210.0 106.0 318.0



#71  
Bromoform  
Concen: 0.311 ug/l  
RT: 12.668 min Scan# 1833  
Delta R.T. 0.270 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion:173 Resp: 1983  
Ion Ratio Lower Upper  
173 100  
175 965.3 24.6 73.6#  
254 0.0 0.1 0.1#

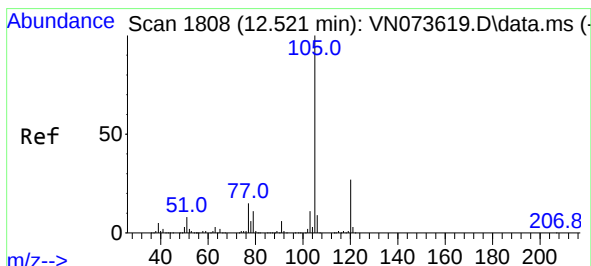
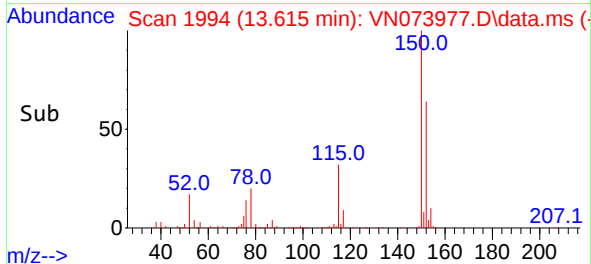
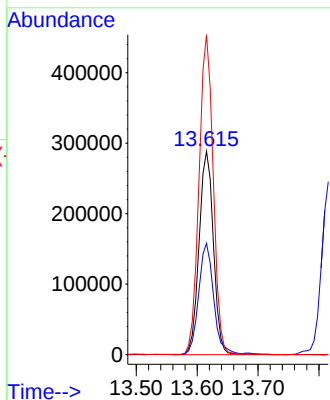
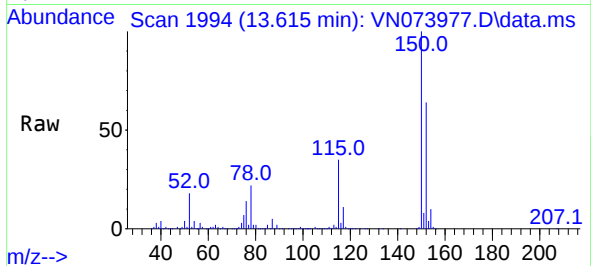




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.615 min Scan# 1994  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

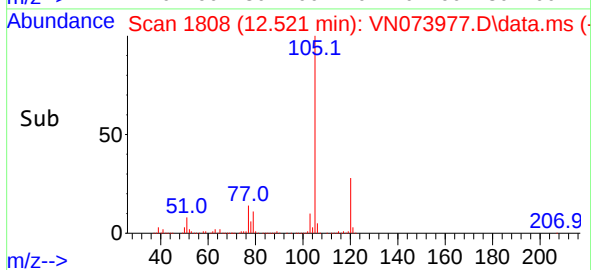
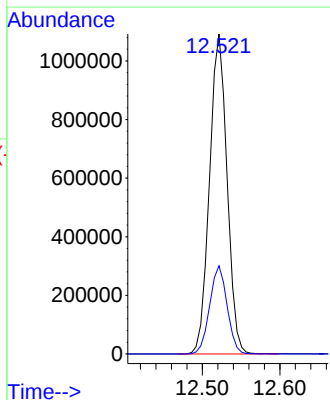
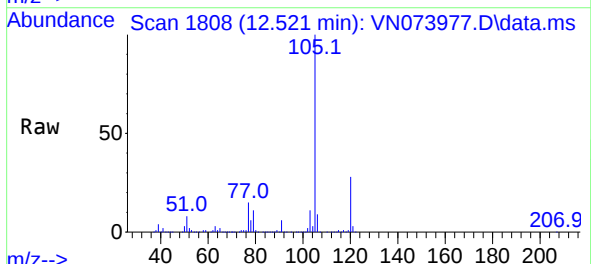
Instrument :  
MSVOA\_N  
ClientSampleId :

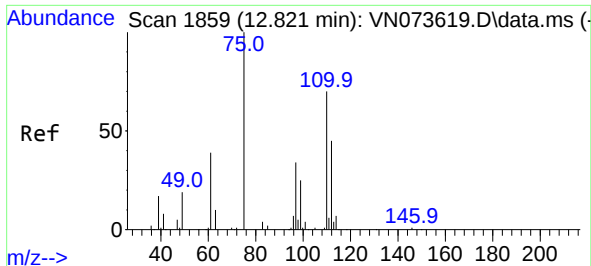
Tgt Ion:152 Resp: 472822  
Ion Ratio Lower Upper  
152 100  
115 56.8 28.9 86.7  
150 155.6 0.0 356.2



#73  
Isopropylbenzene  
Concen: 49.833 ug/l  
RT: 12.521 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion:105 Resp: 1715706  
Ion Ratio Lower Upper  
105 100  
120 27.4 13.5 40.4

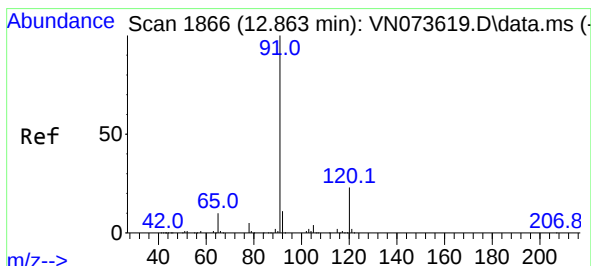
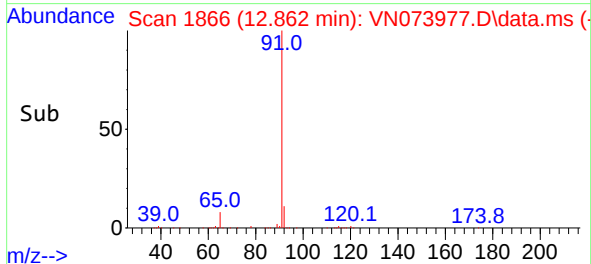
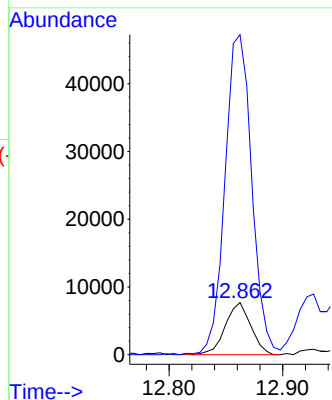
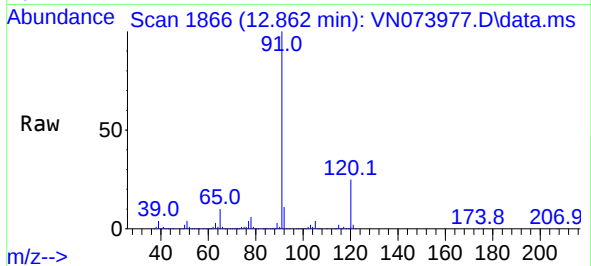




#76  
1,2,3-Trichloropropane  
Concen: 1.226 ug/l  
RT: 12.862 min Scan# 1866  
Delta R.T. 0.041 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

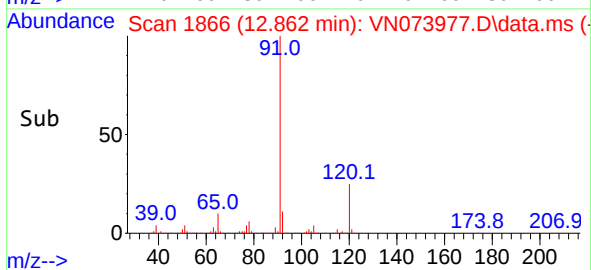
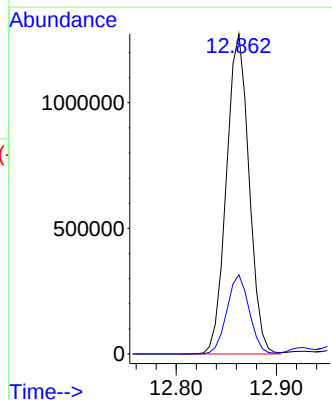
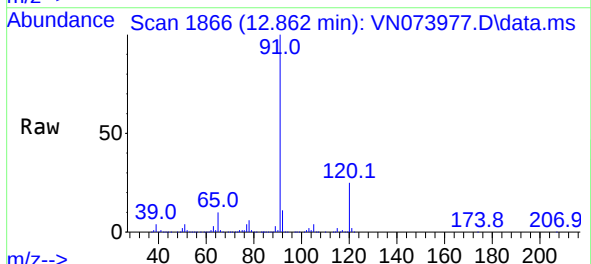
Instrument :  
MSVOA\_N  
ClientSampleId :

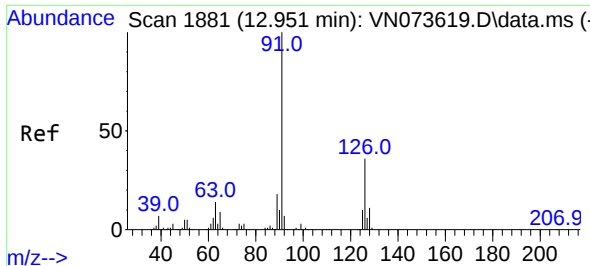
Tgt Ion: 75 Resp: 12047  
Ion Ratio Lower Upper  
75 100  
77 643.6 98.5 295.5#



#78  
n-propylbenzene  
Concen: 54.291 ug/l  
RT: 12.862 min Scan# 1866  
Delta R.T. -0.001 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 91 Resp: 1992485  
Ion Ratio Lower Upper  
91 100  
120 24.4 11.9 35.5

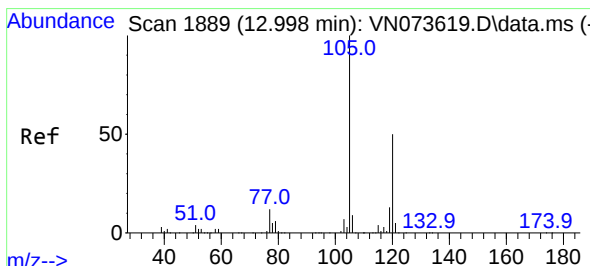
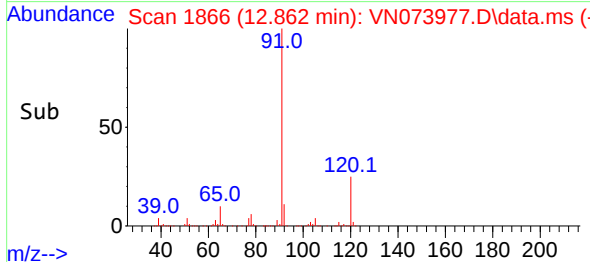
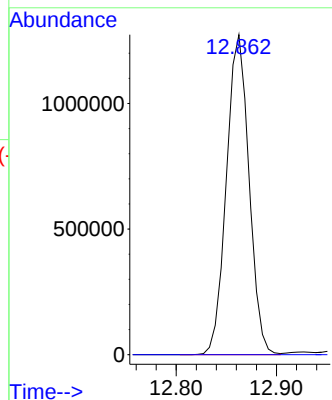
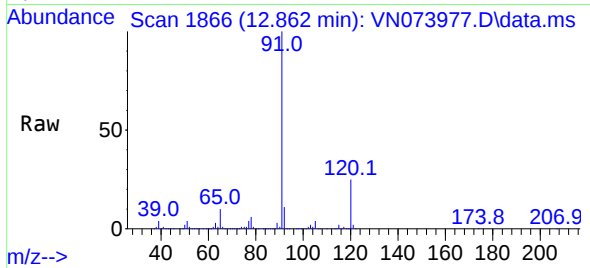




#79  
2-Chlorotoluene  
Concen: 87.120 ug/l  
RT: 12.862 min Scan# 1886  
Delta R.T. -0.089 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

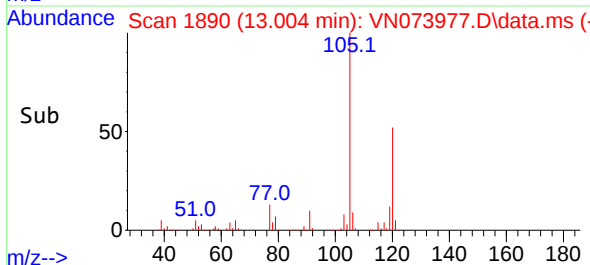
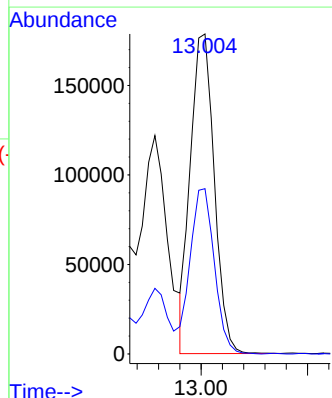
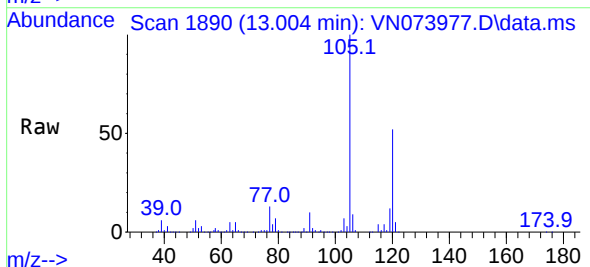
Instrument :  
MSVOA\_N  
ClientSampleId :

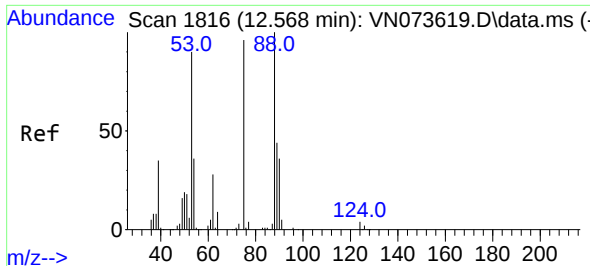
Tgt Ion: 91 Resp: 1992485  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.3 51.9#



#80  
1,3,5-Trimethylbenzene  
Concen: 9.920 ug/l  
RT: 13.004 min Scan# 1890  
Delta R.T. 0.006 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion:105 Resp: 277803  
Ion Ratio Lower Upper  
105 100  
120 53.6 24.9 74.7

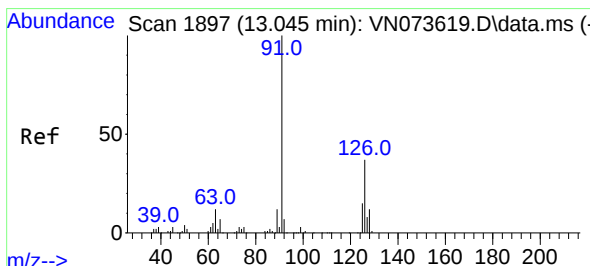
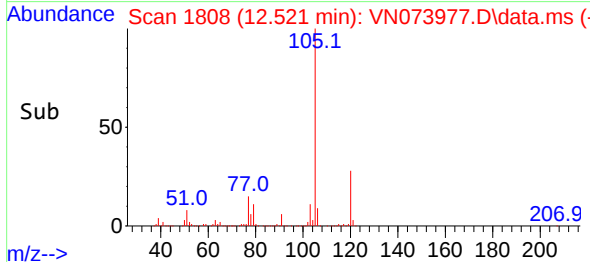
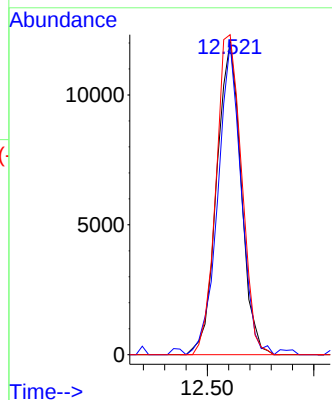
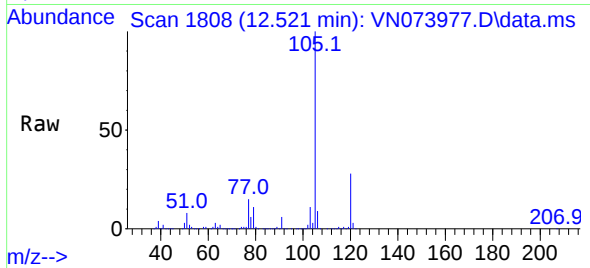




#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.540 ug/l  
RT: 12.521 min Scan# 1808  
Delta R.T. -0.047 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

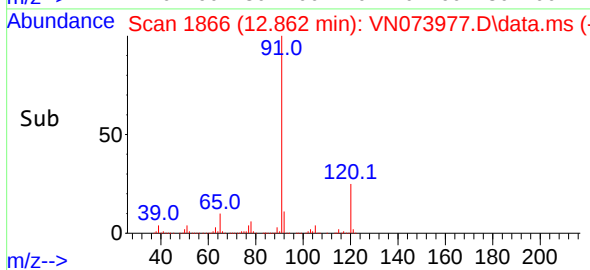
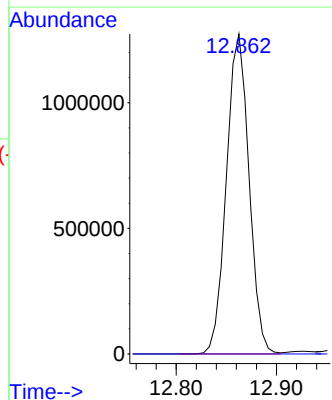
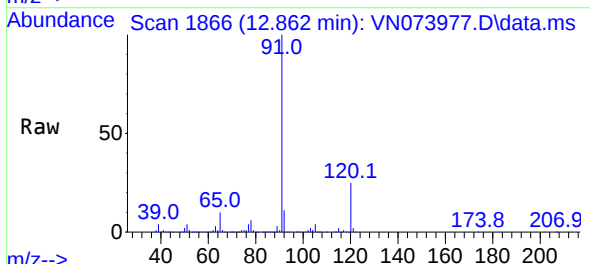
Instrument :  
MSVOA\_N  
ClientSampleId :

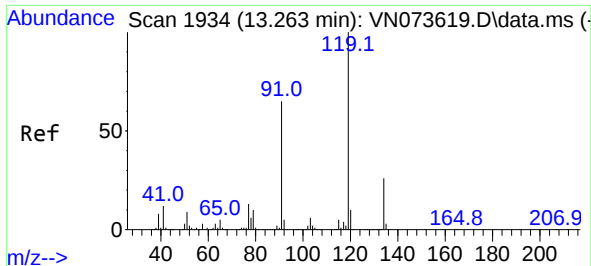
Tgt Ion: 75 Resp: 19144  
Ion Ratio Lower Upper  
75 100  
53 94.8 78.0 117.0  
89 106.9 37.2 55.8#



#82  
4-Chlorotoluene  
Concen: 91.726 ug/l  
RT: 12.862 min Scan# 1866  
Delta R.T. -0.183 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 91 Resp: 1992485  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.2 51.6#

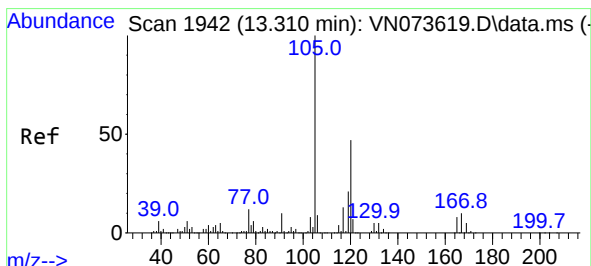
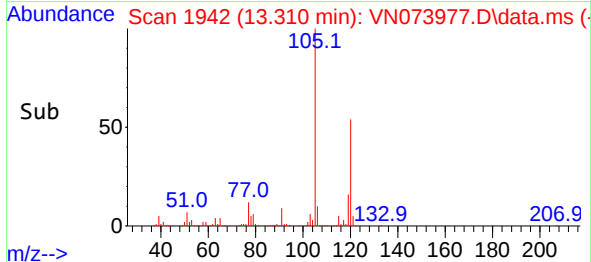
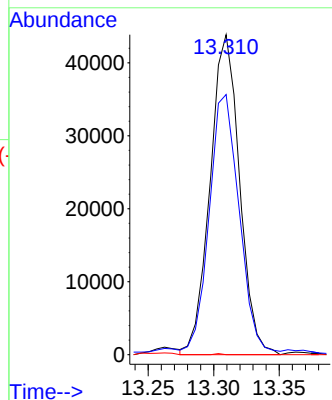
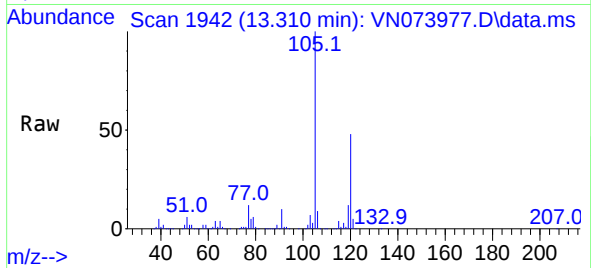




#83  
tert-Butylbenzene  
Concen: 2.657 ug/l  
RT: 13.310 min Scan# 1942  
Delta R.T. 0.046 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

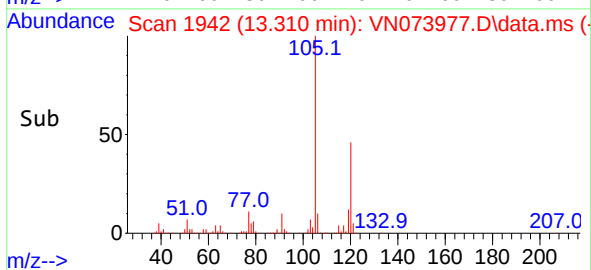
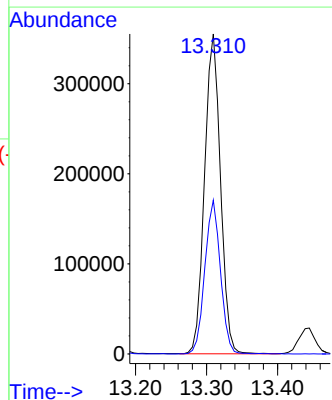
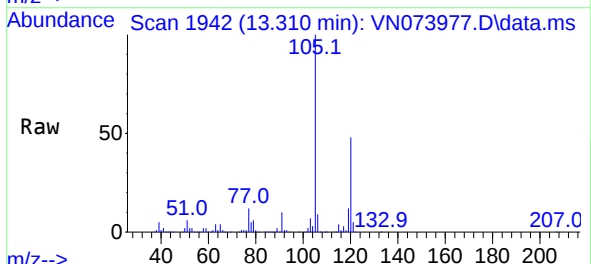
Instrument :  
MSVOA\_N  
ClientSampleId :

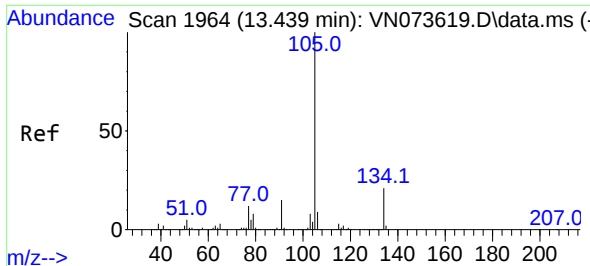
Tgt Ion:119 Resp: 68474  
Ion Ratio Lower Upper  
119 100  
91 85.5 31.6 94.8  
134 0.0 13.7 41.1#



#84  
1,2,4-Trimethylbenzene  
Concen: 19.827 ug/l  
RT: 13.310 min Scan# 1942  
Delta R.T. -0.001 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion:105 Resp: 554477  
Ion Ratio Lower Upper  
105 100  
120 47.1 23.3 69.8

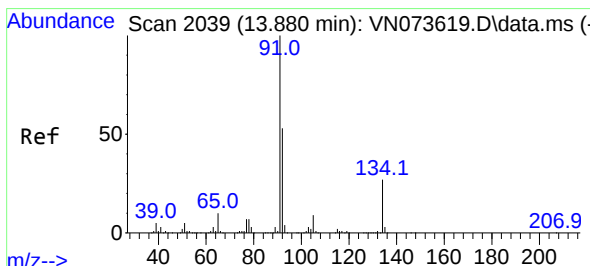
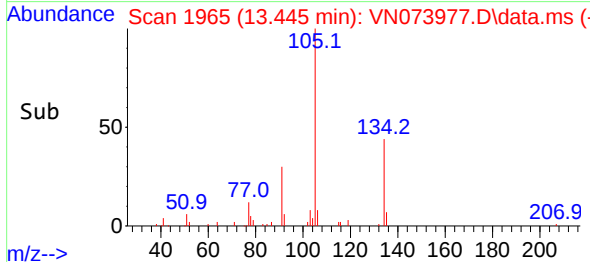
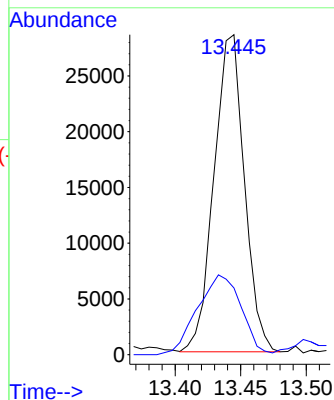
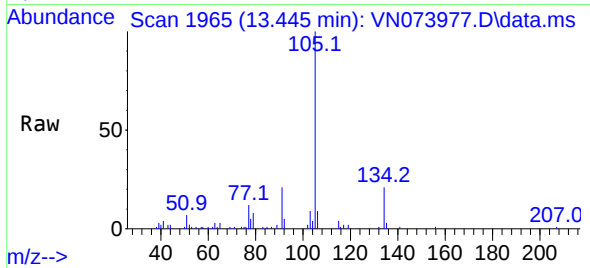




#85  
sec-Butylbenzene  
Concen: 1.373 ug/l  
RT: 13.445 min Scan# 1965  
Delta R.T. 0.006 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

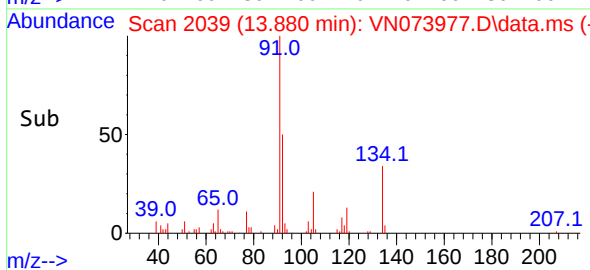
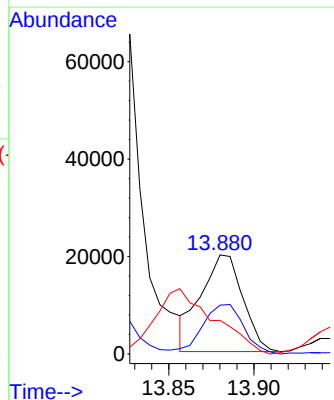
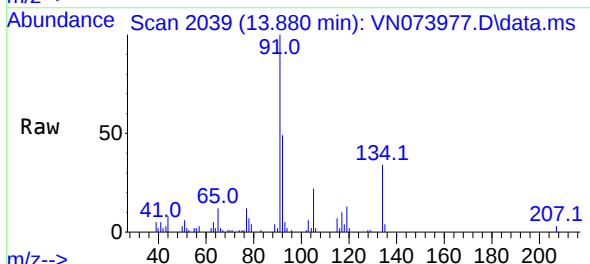
Instrument :  
MSVOA\_N  
ClientSampleId :

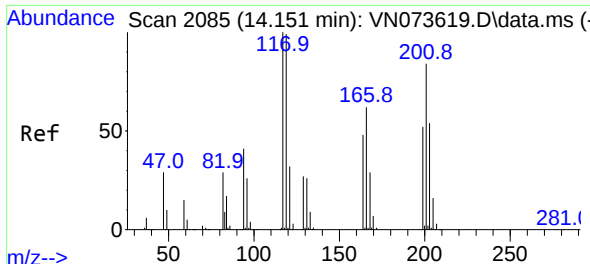
Tgt Ion:105 Resp: 45871  
Ion Ratio Lower Upper  
105 100  
134 36.2 10.4 31.1#



#89  
n-Butylbenzene  
Concen: 1.506 ug/l  
RT: 13.880 min Scan# 2039  
Delta R.T. 0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion: 91 Resp: 33941  
Ion Ratio Lower Upper  
91 100  
92 50.1 26.9 80.7  
134 0.0 13.6 40.8#

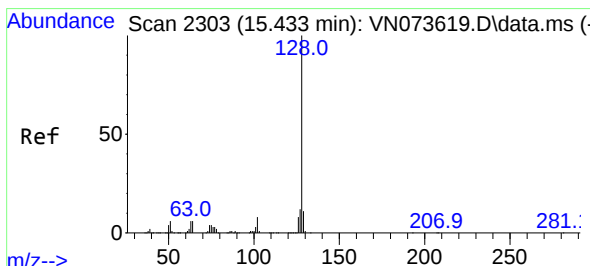
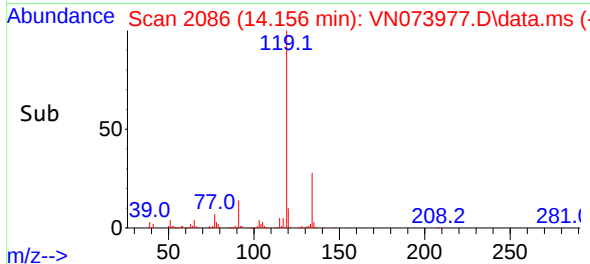
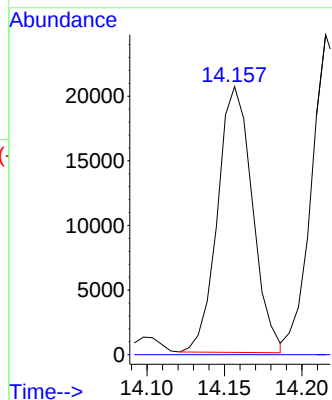
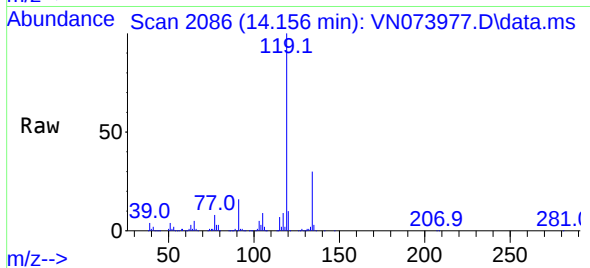




#90  
Hexachloroethane  
Concen: 6.177 ug/l  
RT: 14.156 min Scan# 2085  
Delta R.T. 0.005 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:117 Resp: 32131  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.6 122.0#



#95  
Naphthalene  
Concen: 35.025 ug/l  
RT: 15.433 min Scan# 2303  
Delta R.T. -0.000 min  
Lab File: VN073977.D  
Acq: 17 Aug 2022 15:33

Tgt Ion:128 Resp: 1159851  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.3 15.5  
129 11.0 8.6 13.0

