

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072123\  
 Data File : VN078625.D  
 Acq On : 21 Jul 2023 19:50  
 Operator : JC\MD  
 Sample : 03677-01ME  
 Misc : 5.82g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SWC-1ME

Quant Time: Jul 21 23:31:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 412227   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 732983   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 713157   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 404281   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 264383   | 47.841   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.680%   |
| 35) Dibromofluoromethane    | 8.171  | 113   | 261498   | 52.555   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 105.100%  |
| 50) Toluene-d8              | 10.571 | 98    | 858787   | 45.688   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 91.380%   |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 392285   | 67.755   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 135.500%# |

|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     |        | Qvalue    |        |    |
| 3) Chloromethane              | 2.377  | 50  | 1548   | 0.282     | ug/l # | 68 |
| 5) Bromomethane               | 2.965  | 94  | 453    | Below Cal | #      | 4  |
| 6) Chloroethane               | 3.095  | 64  | 352    | Below Cal | #      | 43 |
| 10) Methyl Iodide             | 4.559  | 142 | 1432   | 0.232     | ug/l # | 58 |
| 11) Tert butyl alcohol        | 5.500  | 59  | 23432  | 27.497    | ug/l # | 72 |
| 13) Acrolein                  | 4.195  | 56  | 309    | 0.369     | ug/l # | 43 |
| 14) Allyl chloride            | 5.042  | 41  | 1363   | 0.229     | ug/l # | 25 |
| 15) Acrylonitrile             | 5.730  | 53  | 750    | 0.348     | ug/l # | 33 |
| 16) Acetone                   | 4.447  | 43  | 42110  | 24.462    | ug/l   | 97 |
| 17) Carbon Disulfide          | 4.695  | 76  | 3810   | 0.303     | ug/l # | 75 |
| 18) Methyl Acetate            | 5.042  | 43  | 126473 | 17.355    | ug/l   | 91 |
| 20) Methylene Chloride        | 5.259  | 84  | 4966   | Below Cal | #      | 89 |
| 23) Vinyl Acetate             | 6.641  | 43  | 1786   | 0.211     | ug/l # | 62 |
| 25) 2-Butanone                | 7.512  | 43  | 24556  | 9.062     | ug/l   | 92 |
| 29) Tetrahydrofuran           | 7.859  | 42  | 927    | 0.521     | ug/l # | 45 |
| 31) Cyclohexane               | 8.236  | 56  | 22808  | 3.054     | ug/l # | 56 |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 32990  | 4.592     | ug/l # | 49 |
| 37) Ethyl Acetate             | 7.512  | 43  | 24556  | 4.100     | ug/l # | 64 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 43882  | 5.620     | ug/l # | 16 |
| 39) Methylcyclohexane         | 9.600  | 83  | 15643  | 2.385     | ug/l   | 98 |
| 40) Benzene                   | 8.612  | 78  | 11179  | 0.525     | ug/l   | 96 |
| 41) Methacrylonitrile         | 7.794  | 41  | 617    | 0.202     | ug/l # | 27 |
| 43) Isopropyl Acetate         | 8.765  | 43  | 51650  | 5.238     | ug/l # | 49 |
| 48) Methyl methacrylate       | 9.718  | 41  | 1529   | 0.335     | ug/l # | 22 |
| 49) 1,4-Dioxane               | 9.712  | 88  | 117    | 1.174     | ug/l # | 30 |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43  | 118612 | 20.224    | ug/l   | 95 |
| 52) Toluene                   | 10.635 | 92  | 624143 | 47.313    | ug/l   | 95 |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97  | 3905   | 0.751     | ug/l # | 45 |
| 56) Ethyl methacrylate        | 10.882 | 69  | 2133   | 0.294     | ug/l # | 1  |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63  | 746    | 0.288     | ug/l # | 42 |
| 59) 2-Hexanone                | 11.206 | 43  | 11549  | 2.771     | ug/l   | 77 |
| 64) Tetrachloroethene         | 11.118 | 164 | 2161   | 0.403     | ug/l # | 75 |
| 67) Ethyl Benzene             | 11.971 | 91  | 315828 | 11.721    | ug/l   | 99 |
| 68) m/p-Xylenes               | 12.076 | 106 | 564445 | 56.657    | ug/l   | 94 |
| 69) o-Xylene                  | 12.406 | 106 | 336613 | 33.452    | ug/l   | 98 |
| 70) Styrene                   | 12.412 | 104 | 22056  | 1.401     | ug/l # | 1  |

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 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 SWC-1ME

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 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

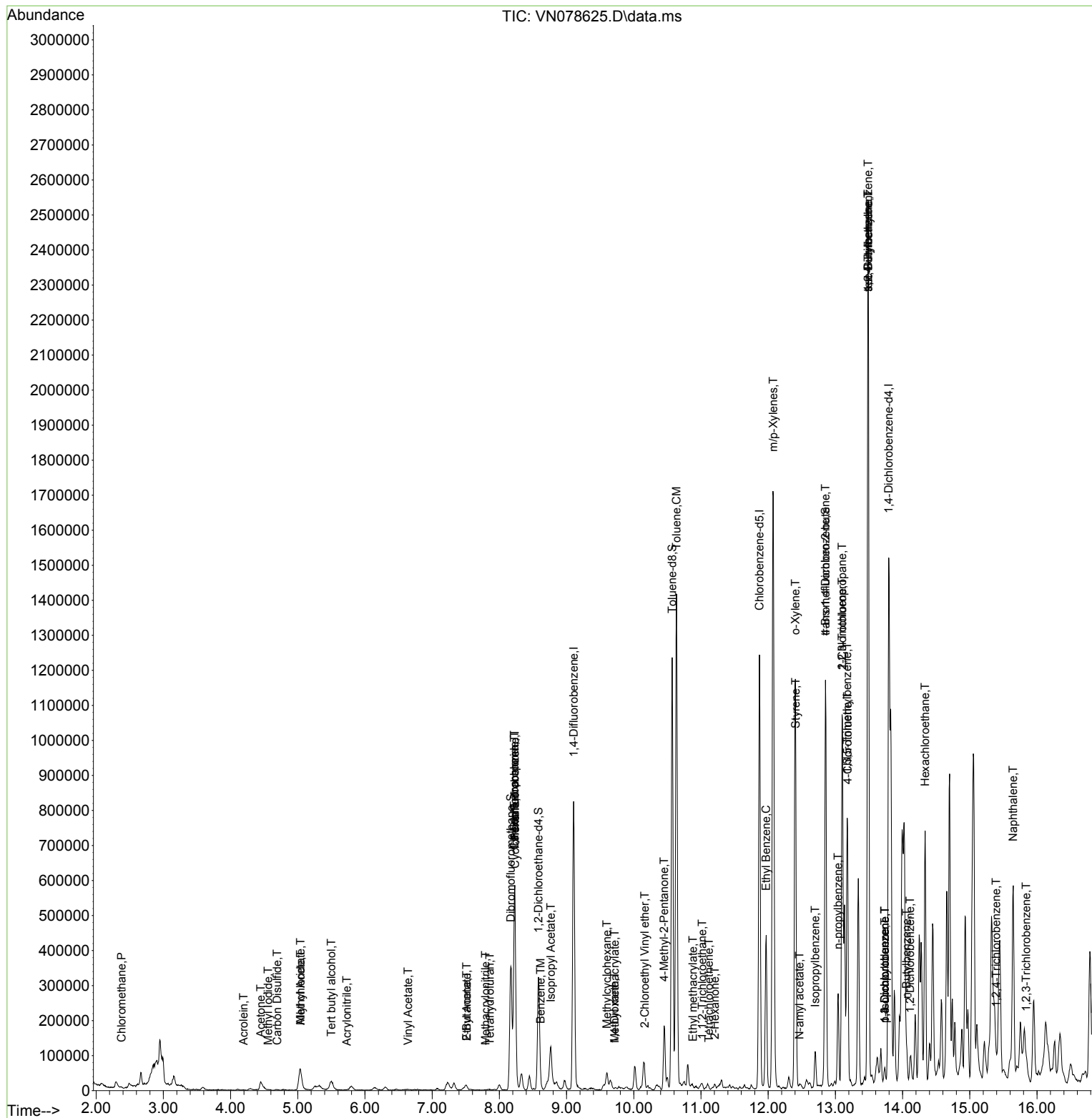
| Compound                      | R.T.   | QIon | Response | Conc Units    | Dev(Min) |
|-------------------------------|--------|------|----------|---------------|----------|
| 73) Isopropylbenzene          | 12.700 | 105  | 68039    | 1.791 ug/l    | 99       |
| 74) N-amyl acetate            | 12.465 | 43   | 7338     | 0.561 ug/l #  | 40       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 2431     | Below Cal #   | 54       |
| 76) 1,2,3-Trichloropropane    | 13.100 | 75   | 6440     | 0.659 ug/l #  | 1        |
| 77) Bromobenzene              | 12.988 | 156  | 1485     | Below Cal     | 76       |
| 78) n-propylbenzene           | 13.041 | 91   | 208001   | 5.120 ug/l    | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 83528    | 3.139 ug/l #  | 42       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 409179   | 13.632 ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75   | 207400   | 55.773 ug/l # | 15       |
| 82) 4-Chlorotoluene           | 13.182 | 91   | 40937    | 1.649 ug/l #  | 41       |
| 83) tert-Butylbenzene         | 13.488 | 119  | 186871   | 7.333 ug/l #  | 70       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 1456050  | 49.942 ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.488 | 105  | 1456050  | 45.204 ug/l # | 57       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 20076    | 0.776 ug/l    | 93       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 4640     | 0.318 ug/l    | 92       |
| 88) 1,4-Dichlorobenzene       | 13.735 | 146  | 4640     | 0.316 ug/l    | 90       |
| 89) n-Butylbenzene            | 14.059 | 91   | 44299    | 2.394 ug/l #  | 77       |
| 90) Hexachloroethane          | 14.335 | 117  | 38157    | 7.330 ug/l #  | 24       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 4649     | 0.320 ug/l #  | 83       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 6081     | 1.313 ug/l #  | 1        |
| 94) Hexachlorobutadiene       | 15.511 | 225  | 3043     | Below Cal     | 82       |
| 95) Naphthalene               | 15.647 | 128  | 479551   | 30.284 ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 8019     | 1.506 ug/l #  | 80       |

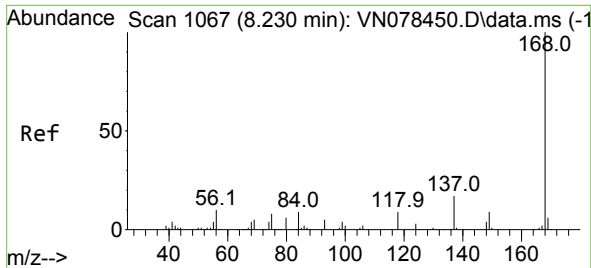
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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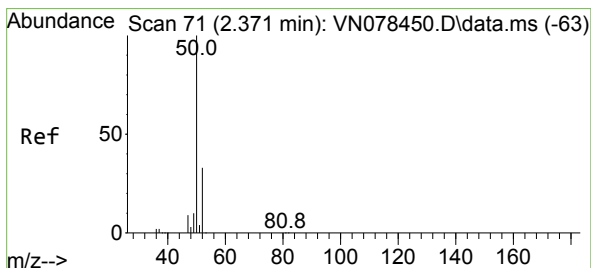
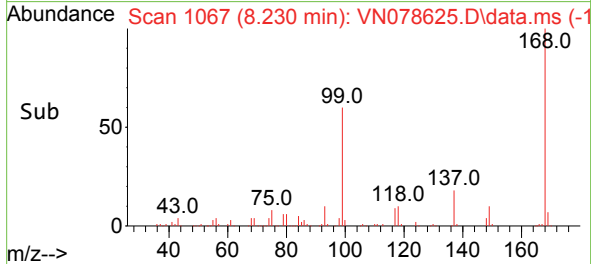
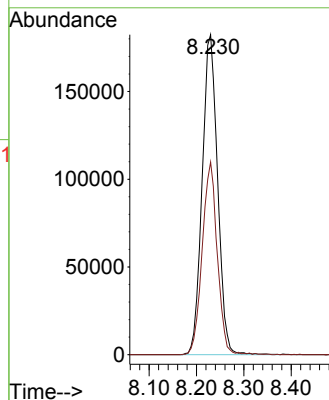
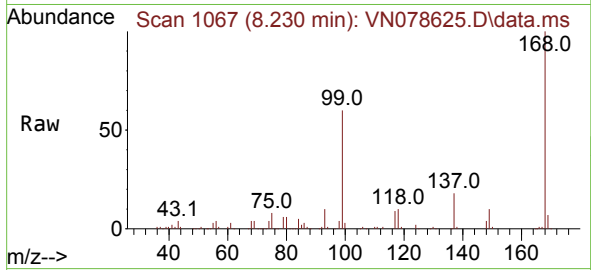




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

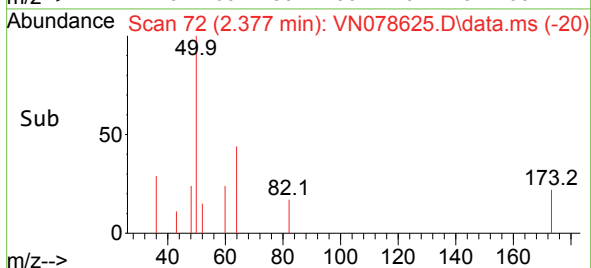
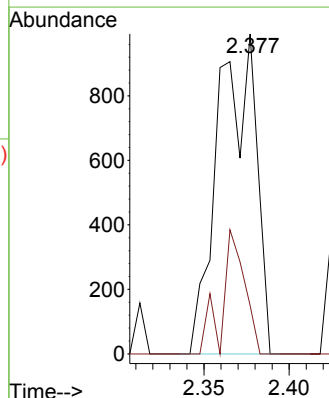
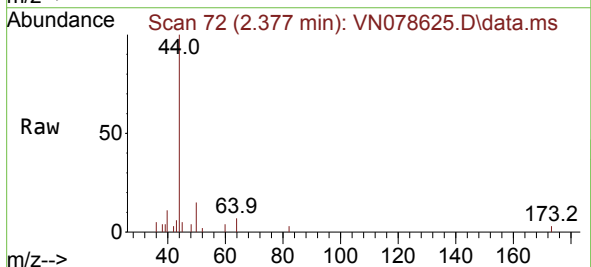
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

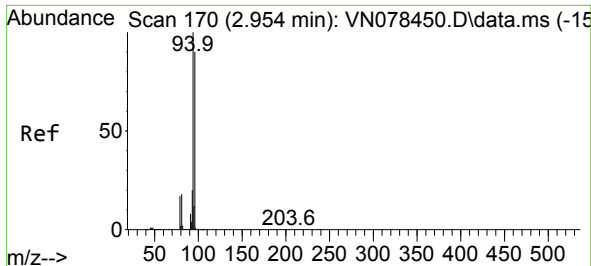
Tgt Ion:168 Resp: 412227  
Ion Ratio Lower Upper  
168 100  
99 60.2 53.0 79.6



#3  
Chloromethane  
Concen: 0.282 ug/l  
RT: 2.377 min Scan# 72  
Delta R.T. 0.006 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 50 Resp: 1548  
Ion Ratio Lower Upper  
50 100  
52 15.1 26.5 39.7#

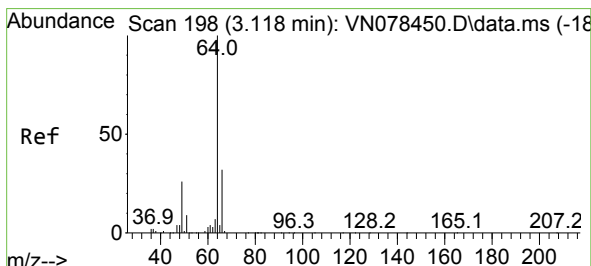
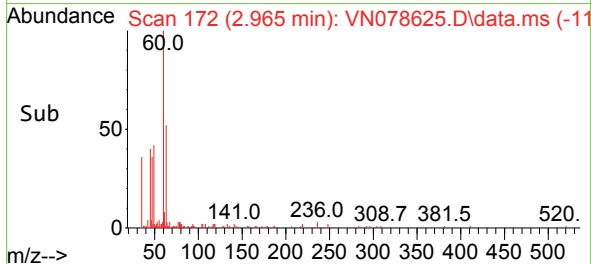
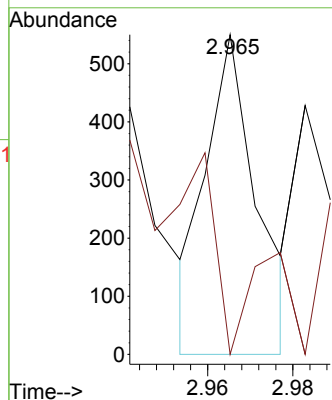
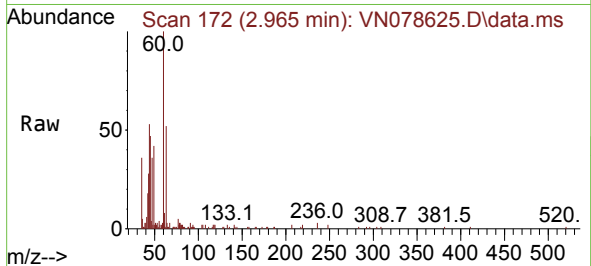




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.965 min Scan# 11  
Delta R.T. 0.011 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

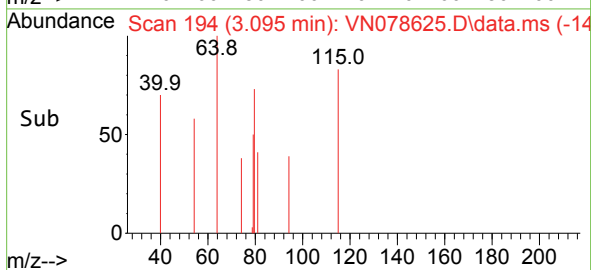
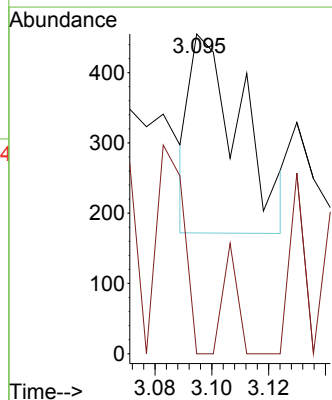
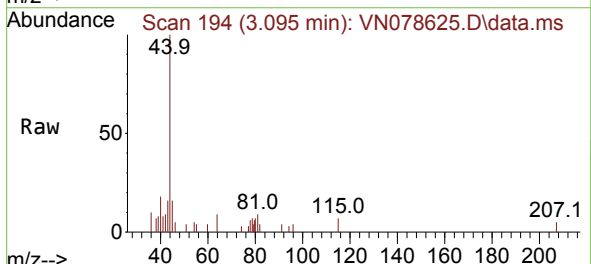
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

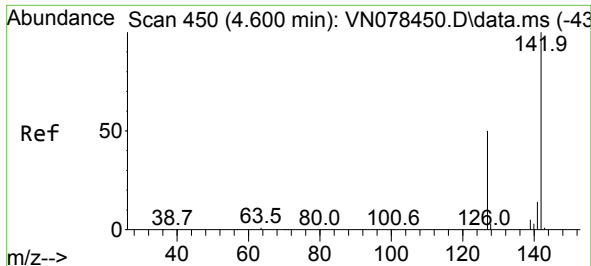
Tgt Ion: 94 Resp: 453  
Ion Ratio Lower Upper  
94 100  
96 0.0 73.1 109.7#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.095 min Scan# 194  
Delta R.T. -0.023 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

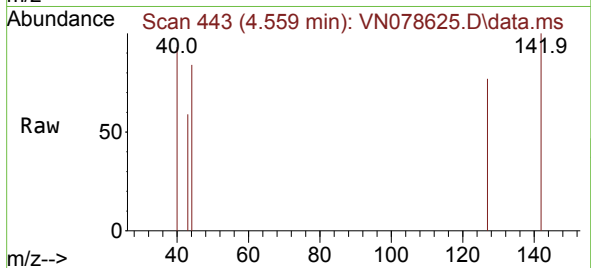
Tgt Ion: 64 Resp: 352  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.2#



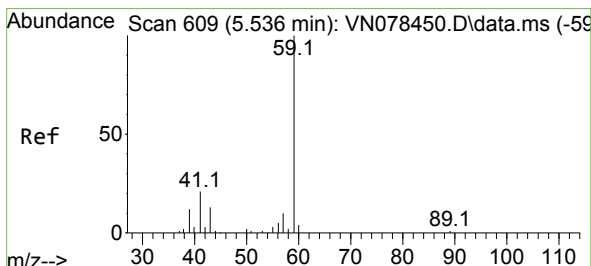
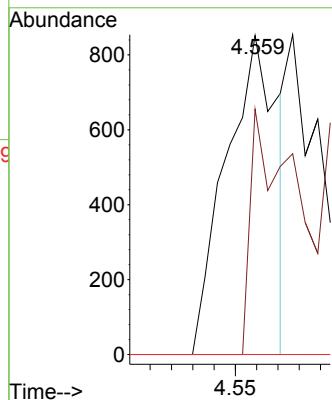
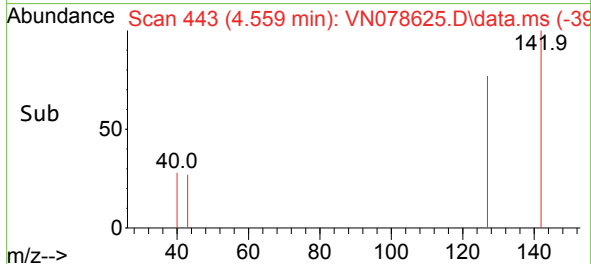


#10  
Methyl Iodide  
Concen: 0.232 ug/l  
RT: 4.559 min Scan# 41  
Delta R.T. -0.041 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Instrument :  
MSVOA\_N  
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SWC-1ME

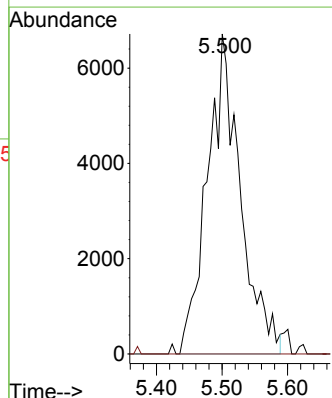
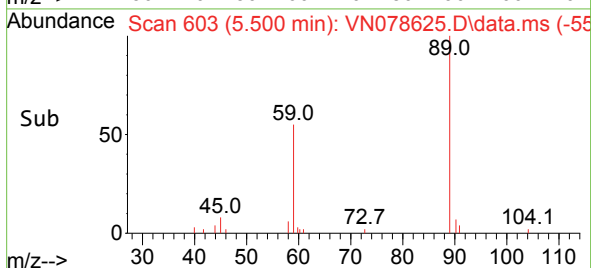
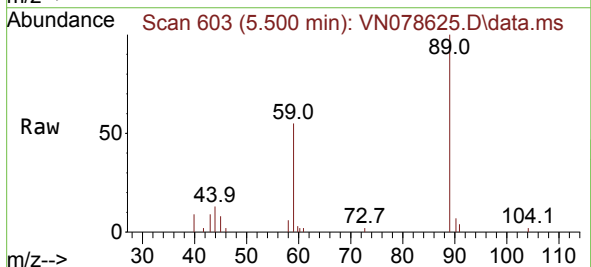


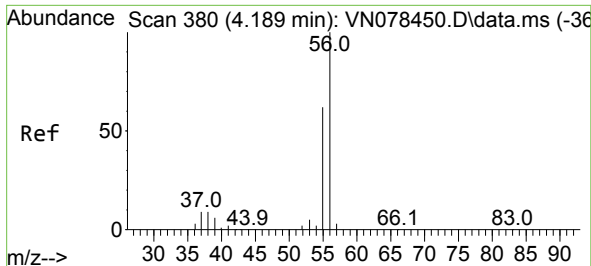
Tgt Ion:142 Resp: 1432  
Ion Ratio Lower Upper  
142 100  
127 76.9 37.6 56.4#  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 27.497 ug/l  
RT: 5.500 min Scan# 603  
Delta R.T. -0.036 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 59 Resp: 23432  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.369 ug/l

RT: 4.195 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

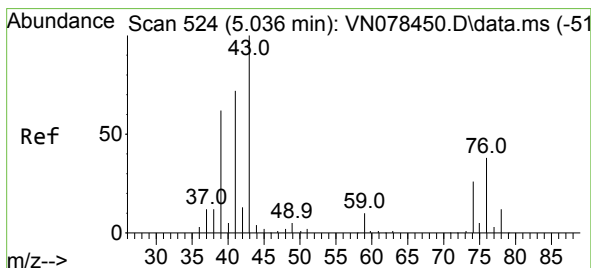
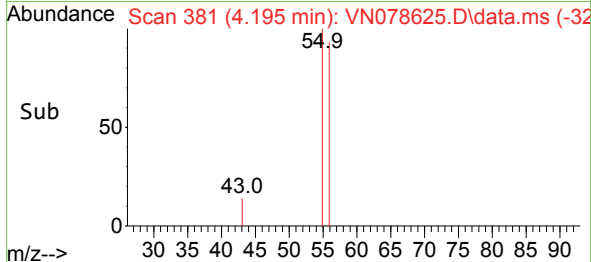
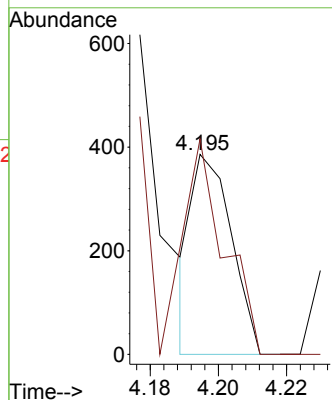
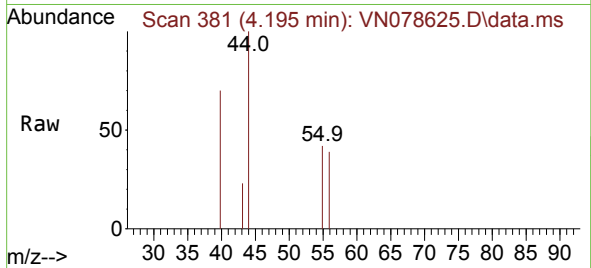
SWC-1ME

Tgt Ion: 56 Resp: 309

Ion Ratio Lower Upper

56 100

55 113.9 54.5 81.7#



#14

Allyl chloride

Concen: 0.229 ug/l

RT: 5.042 min Scan# 525

Delta R.T. 0.006 min

Lab File: VN078625.D

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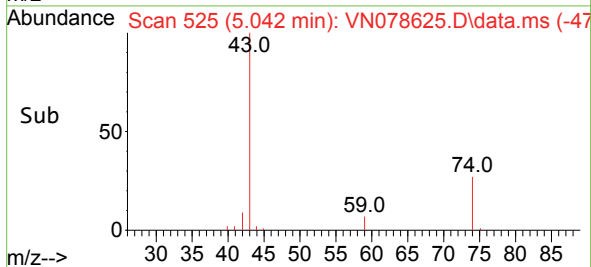
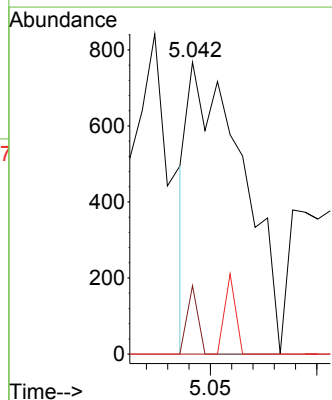
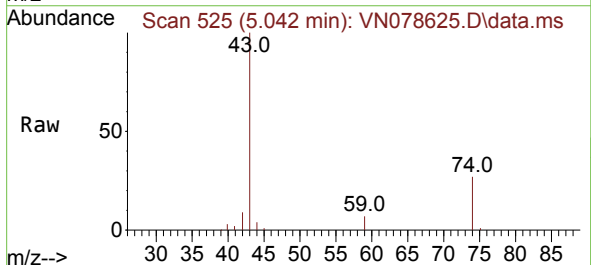
Tgt Ion: 41 Resp: 1363

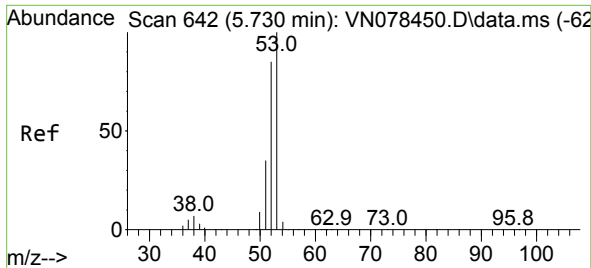
Ion Ratio Lower Upper

41 100

39 4.7 58.8 88.2#

76 5.4 39.1 58.7#

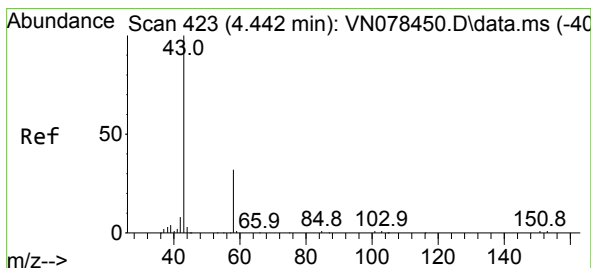
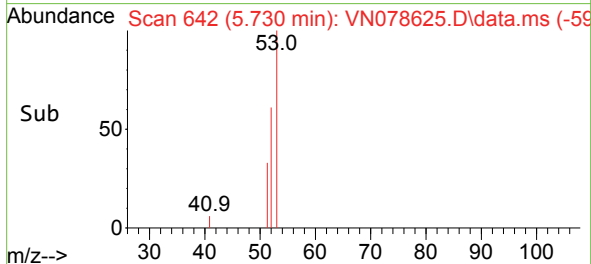
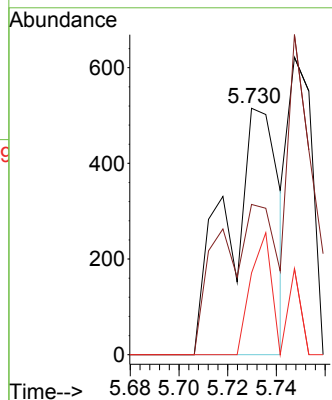
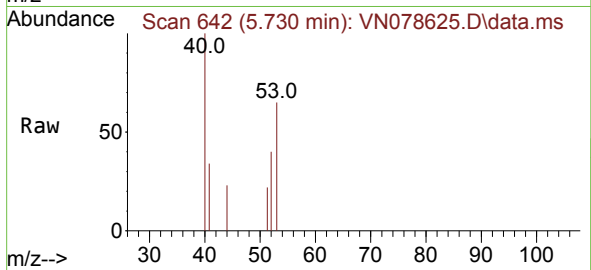




#15  
Acrylonitrile  
Concen: 0.348 ug/l  
RT: 5.730 min Scan# 64  
Delta R.T. -0.000 min  
Lab File: VN078625.D  
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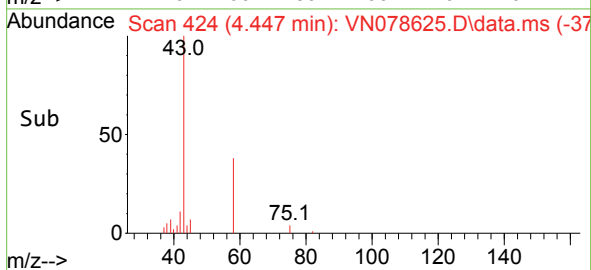
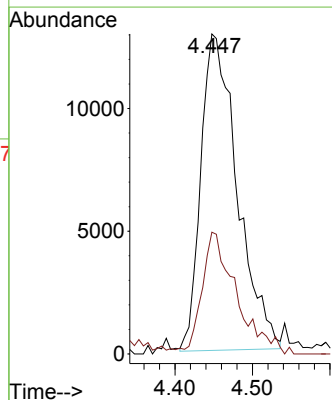
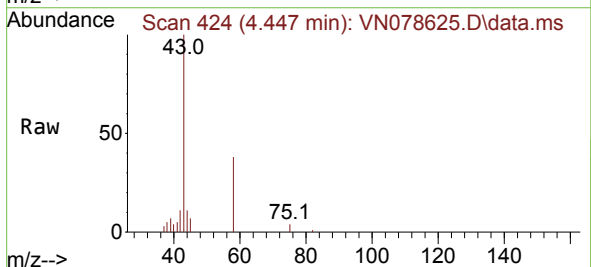
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

Tgt Ion: 53 Resp: 750  
Ion Ratio Lower Upper  
53 100  
52 0.0 65.3 97.9#  
51 28.5 28.9 43.3#

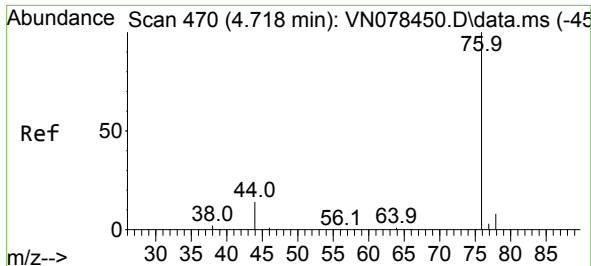


#16  
Acetone  
Concen: 24.462 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.005 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 43 Resp: 42110  
Ion Ratio Lower Upper  
43 100  
58 36.9 28.0 42.0



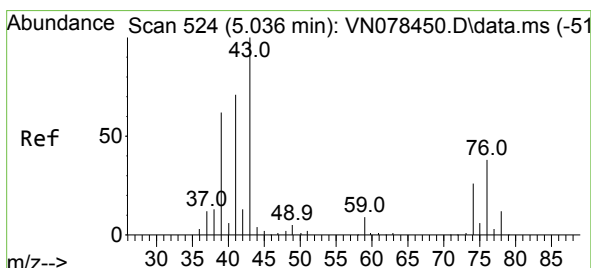
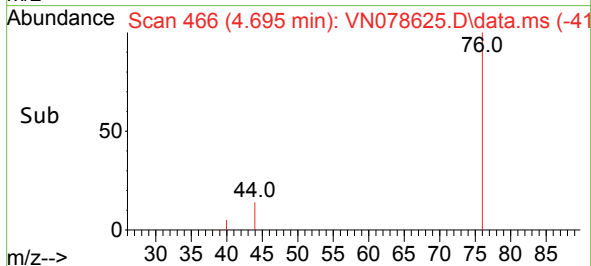
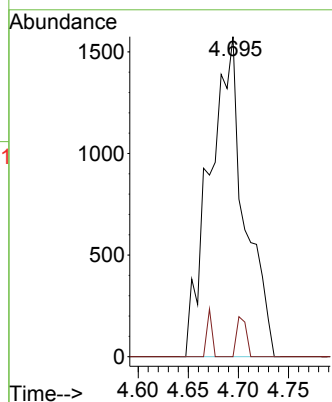
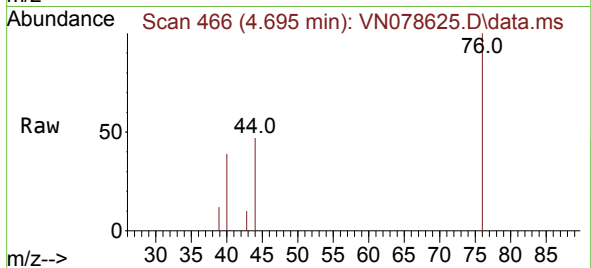




#17  
Carbon Disulfide  
Concen: 0.303 ug/l  
RT: 4.695 min Scan# 4  
Delta R.T. -0.023 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

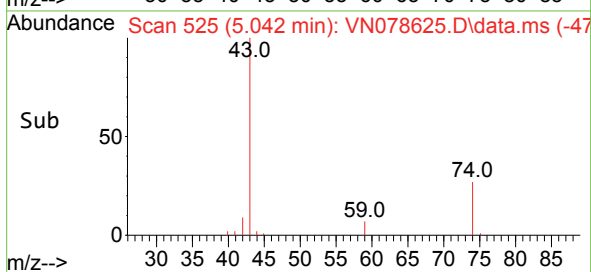
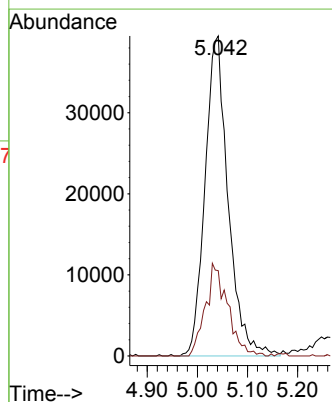
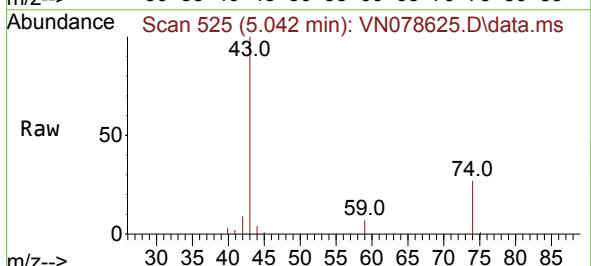
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

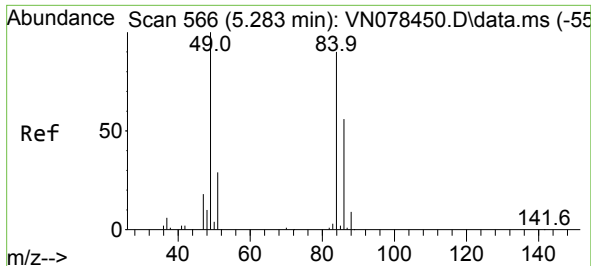
Tgt Ion: 76 Resp: 3810  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#



#18  
Methyl Acetate  
Concen: 17.355 ug/l  
RT: 5.042 min Scan# 525  
Delta R.T. 0.006 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 43 Resp: 126473  
Ion Ratio Lower Upper  
43 100  
74 27.9 26.2 39.4

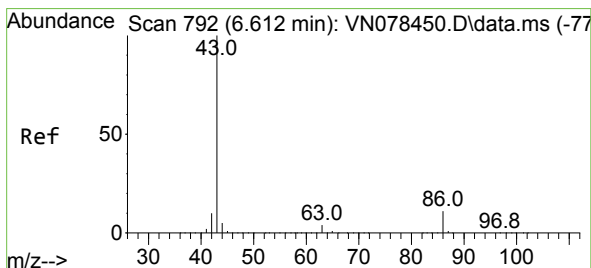
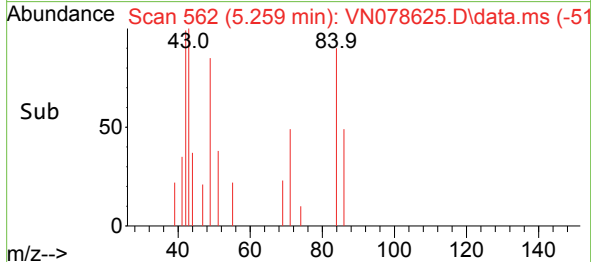
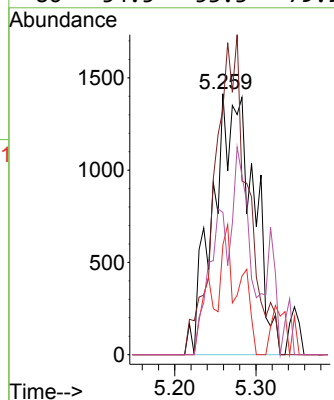
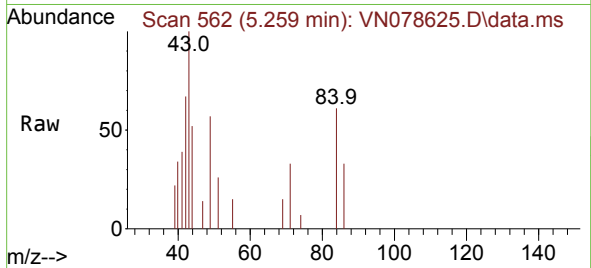




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.259 min Scan# 511  
Delta R.T. -0.024 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

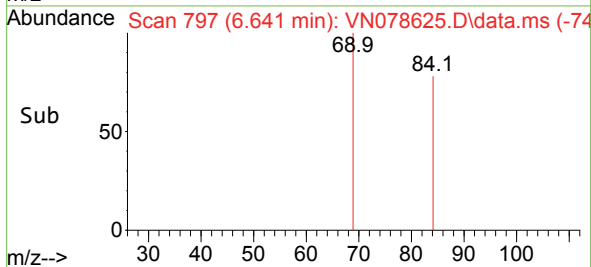
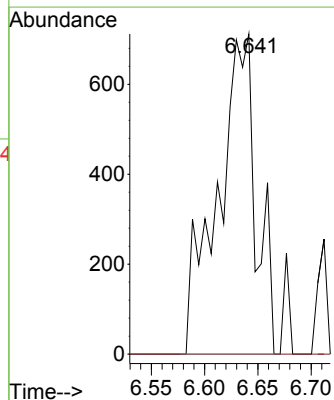
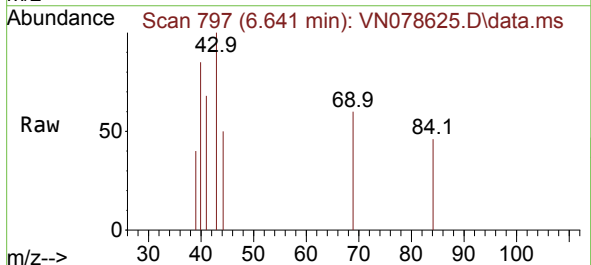
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

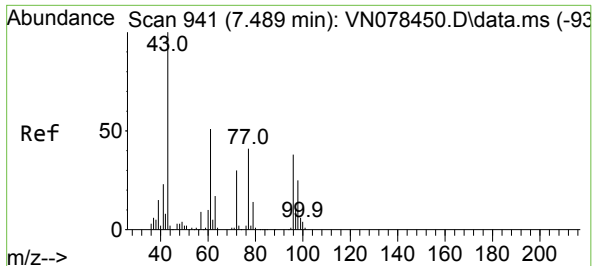
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 4966  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 94.1  | 79.7  | 119.5 |
| 51       | 42.1  | 25.2  | 37.8  |
| 86       | 54.5  | 53.3  | 79.9  |



#23  
Vinyl Acetate  
Concen: 0.211 ug/l  
RT: 6.641 min Scan# 797  
Delta R.T. 0.029 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1786  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 13.0  | 19.6  |

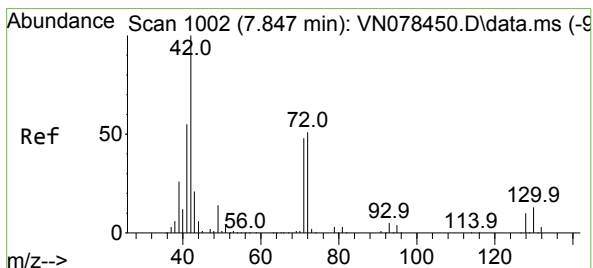
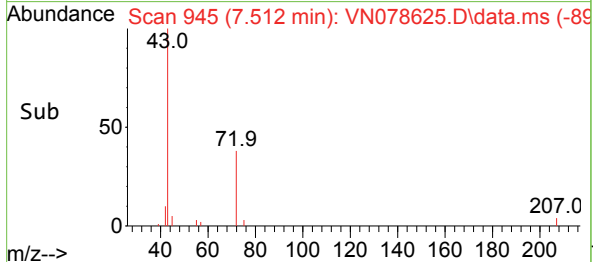
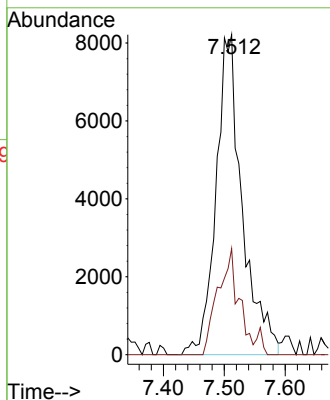
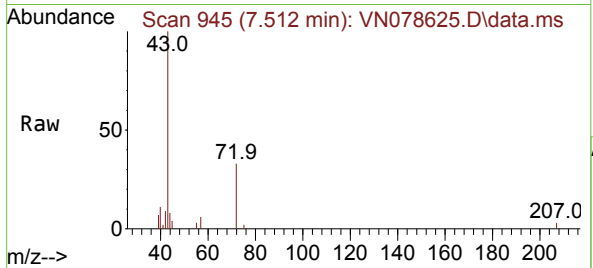




#25  
2-Butanone  
Concen: 9.062 ug/l  
RT: 7.512 min Scan# 941  
Delta R.T. 0.023 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

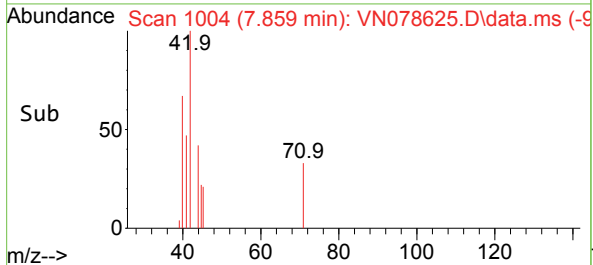
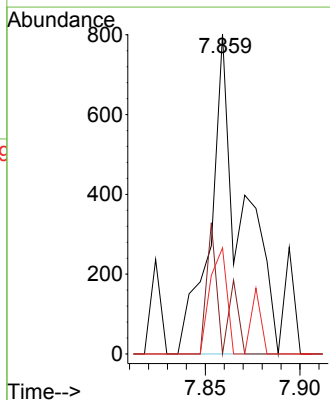
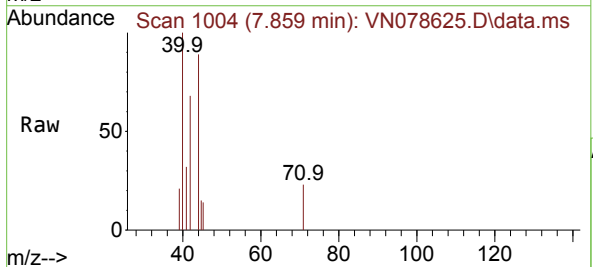
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

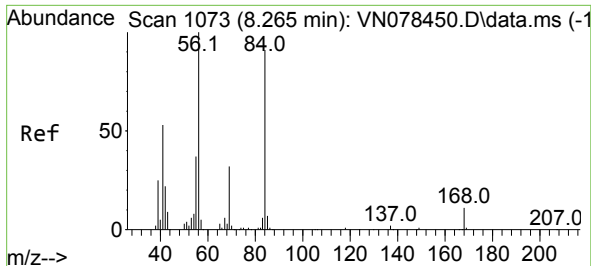
Tgt Ion: 43 Resp: 24556  
Ion Ratio Lower Upper  
43 100  
72 33.2 30.2 45.2



#29  
Tetrahydrofuran  
Concen: 0.521 ug/l  
RT: 7.859 min Scan# 1004  
Delta R.T. 0.012 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

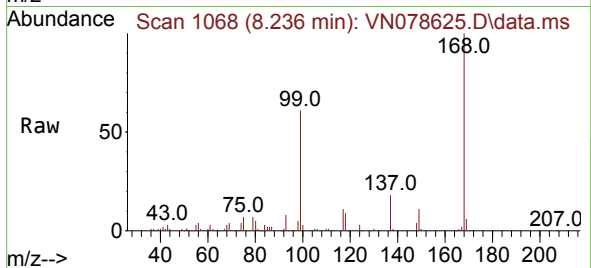
Tgt Ion: 42 Resp: 927  
Ion Ratio Lower Upper  
42 100  
72 19.5 49.8 74.6#  
71 17.6 47.4 71.2#



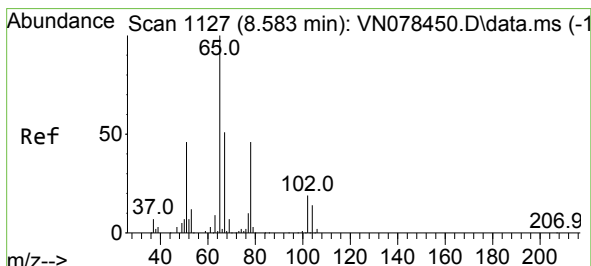
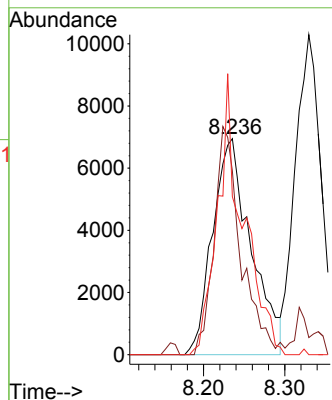
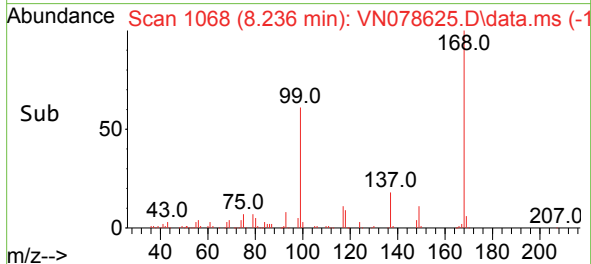


#31  
Cyclohexane  
Concen: 3.054 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. -0.030 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

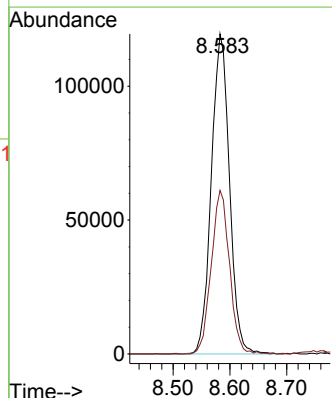
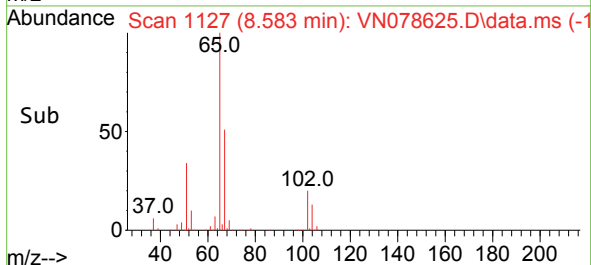
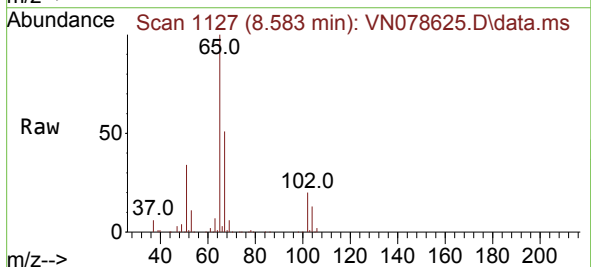


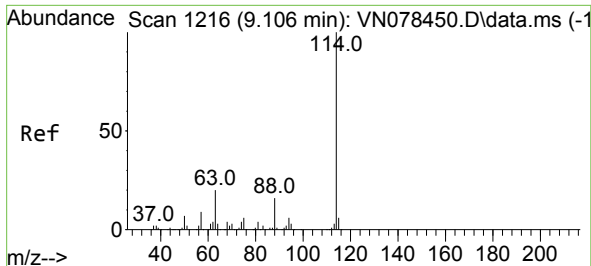
Tgt Ion: 56 Resp: 22808  
Ion Ratio Lower Upper  
56 100  
69 85.1 26.8 40.2#  
84 73.2 81.8 122.6#



#33  
1,2-Dichloroethane-d4  
Concen: 47.841 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 65 Resp: 264383  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

SWC-1ME

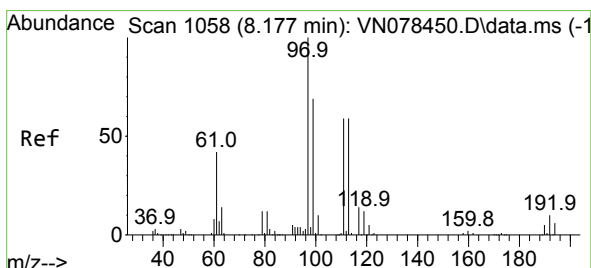
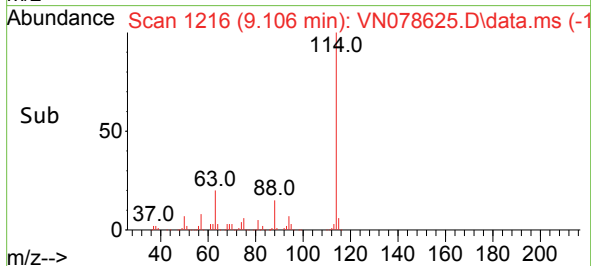
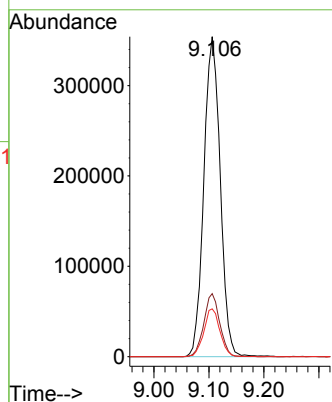
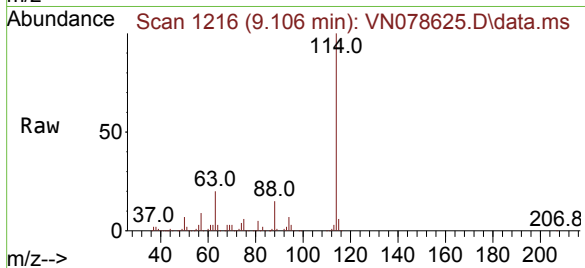
Tgt Ion:114 Resp: 732983

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.555 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

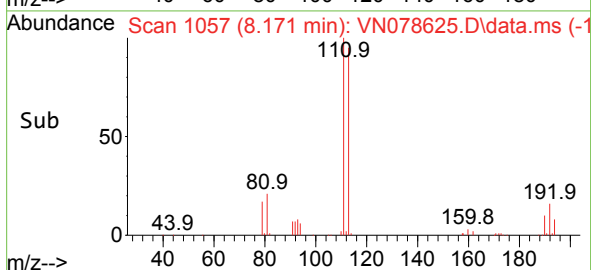
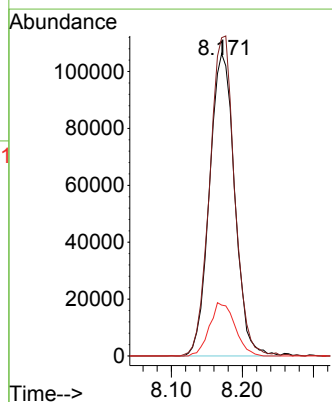
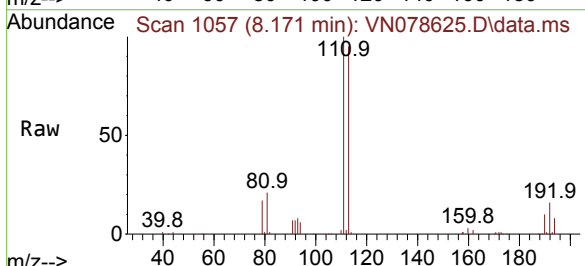
Tgt Ion:113 Resp: 261498

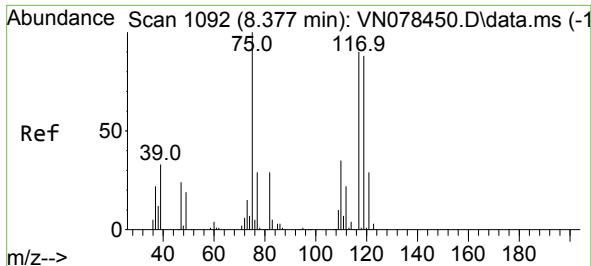
Ion Ratio Lower Upper

113 100

111 105.0 82.6 123.8

192 17.8 12.7 19.1

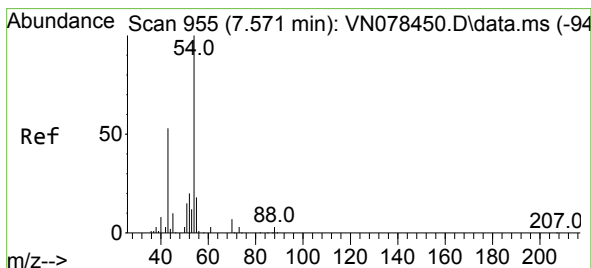
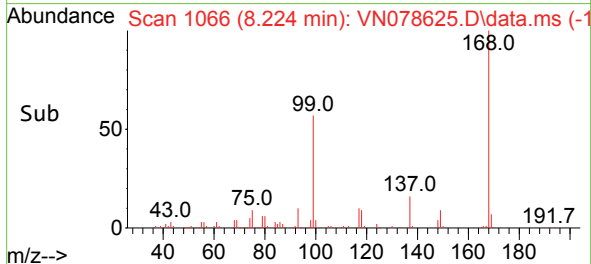
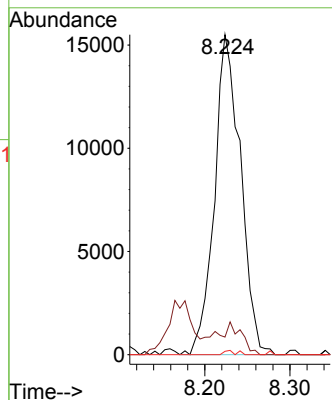
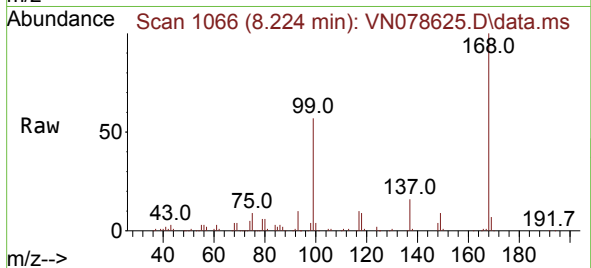




#36  
1,1-Dichloropropene  
Concen: 4.592 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.153 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

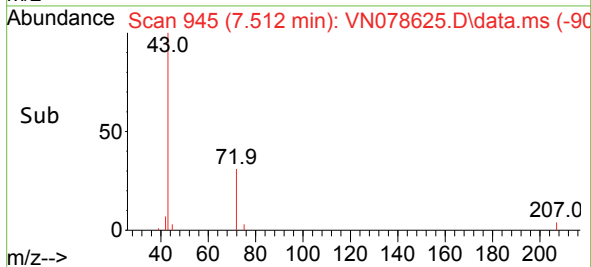
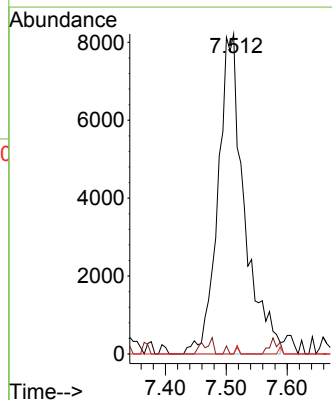
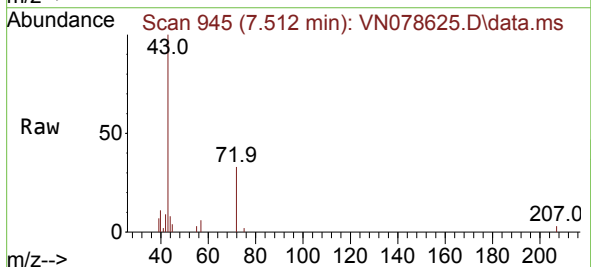
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

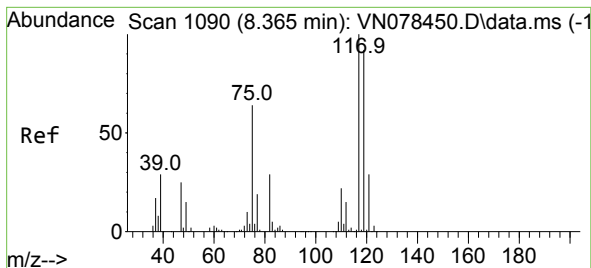
Tgt Ion: 75 Resp: 32990  
Ion Ratio Lower Upper  
75 100  
110 9.4 19.1 57.3#  
77 0.6 25.0 37.4#



#37  
Ethyl Acetate  
Concen: 4.100 ug/l  
RT: 7.512 min Scan# 945  
Delta R.T. -0.059 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 43 Resp: 24556  
Ion Ratio Lower Upper  
43 100  
61 0.3 13.2 19.8#  
70 0.3 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.620 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

SWC-1ME

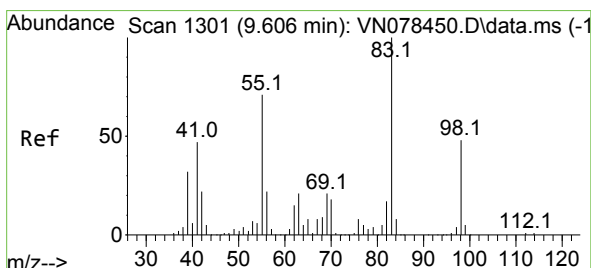
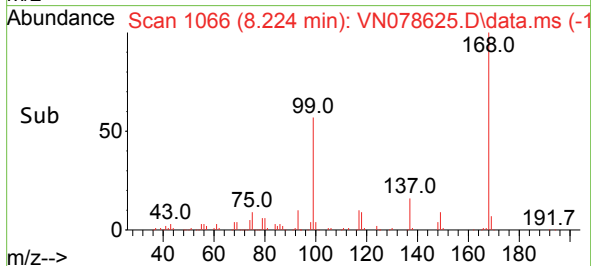
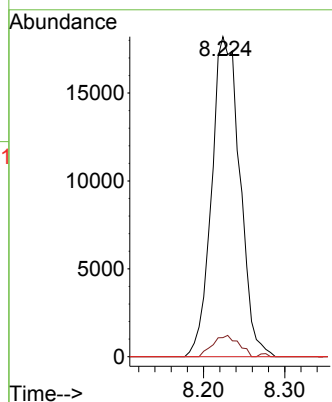
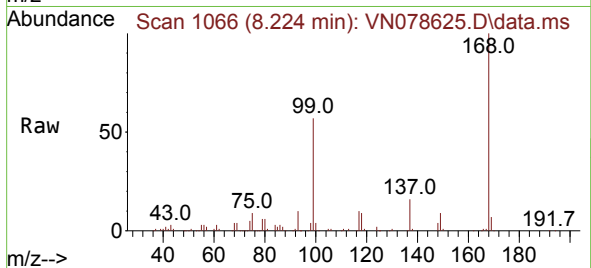
Tgt Ion:117 Resp: 43882

Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 2.385 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

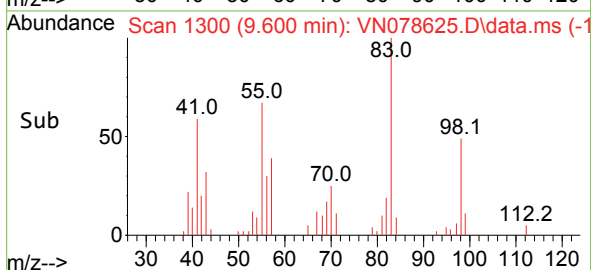
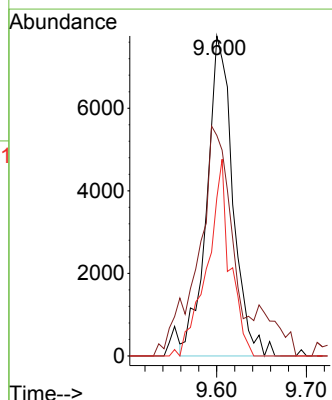
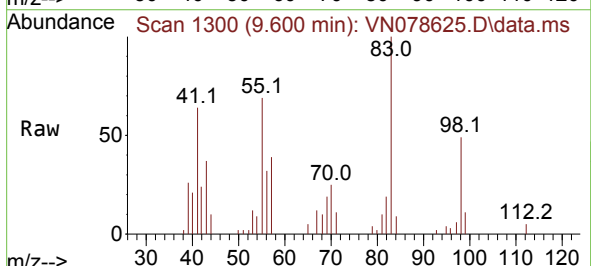
Tgt Ion: 83 Resp: 15643

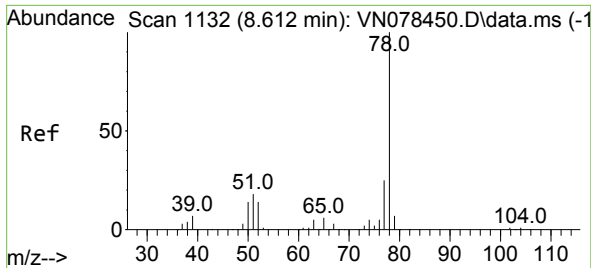
Ion Ratio Lower Upper

83 100

55 60.3 49.1 73.7

98 49.4 40.6 61.0

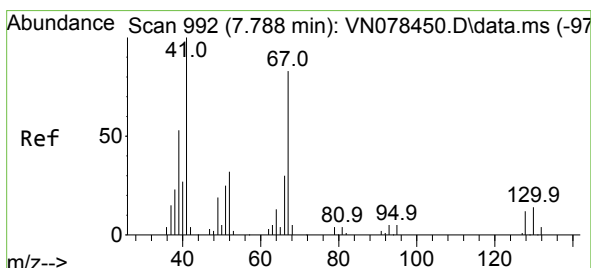
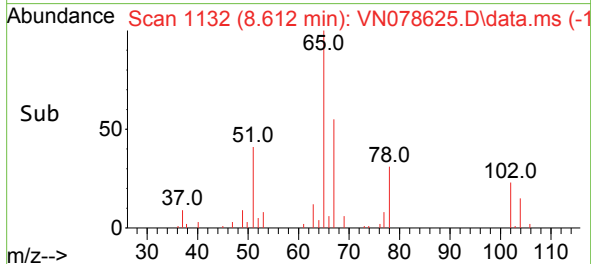
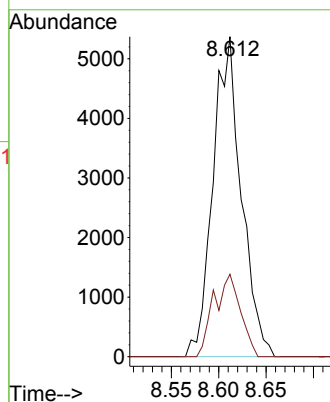
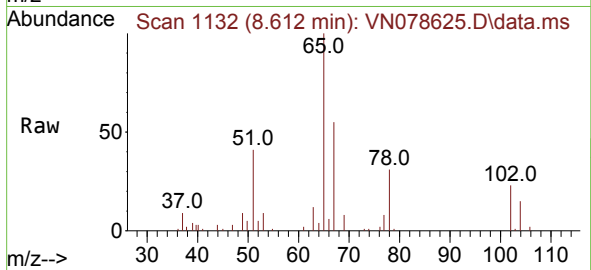




#40  
Benzene  
Concen: 0.525 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

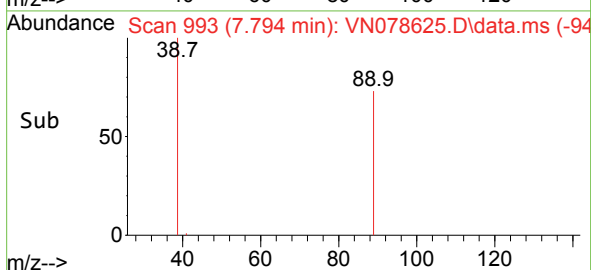
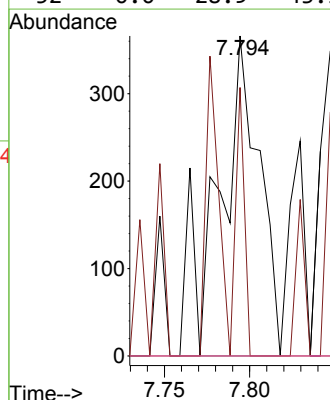
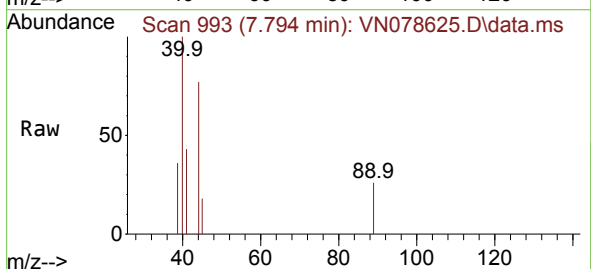
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

Tgt Ion: 78 Resp: 11179  
Ion Ratio Lower Upper  
78 100  
77 25.7 19.0 28.6

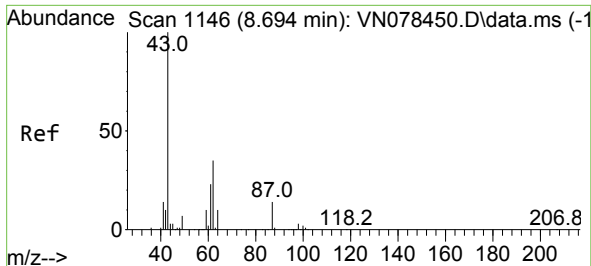


#41  
Methacrylonitrile  
Concen: 0.202 ug/l  
RT: 7.794 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 41 Resp: 617  
Ion Ratio Lower Upper  
41 100  
39 29.0 42.6 64.0#  
67 0.0 77.5 116.3#  
52 0.0 28.9 43.3#



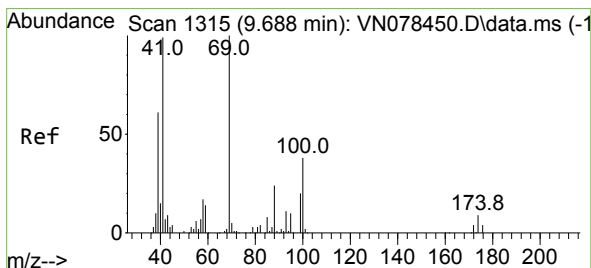
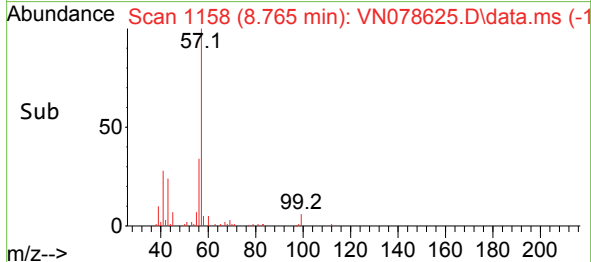
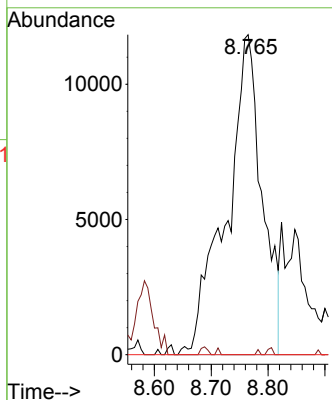
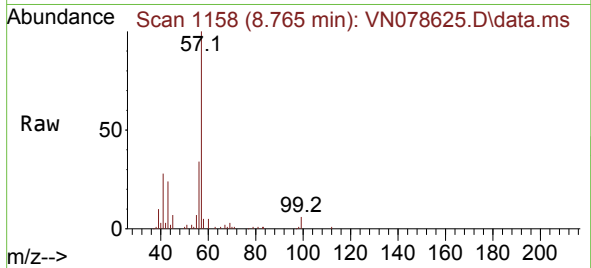




#43  
Isopropyl Acetate  
Concen: 5.238 ug/l  
RT: 8.765 min Scan# 1146  
Delta R.T. 0.071 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

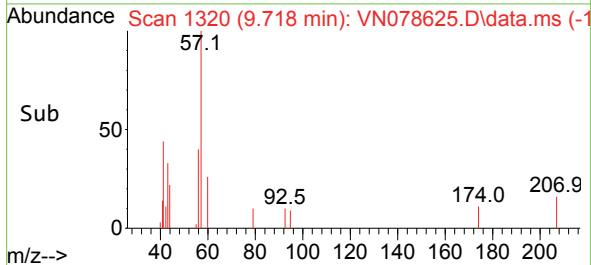
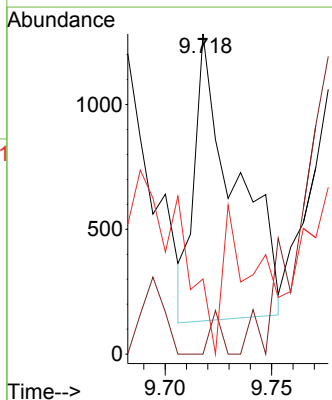
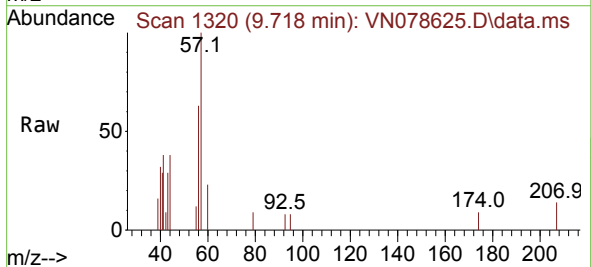
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

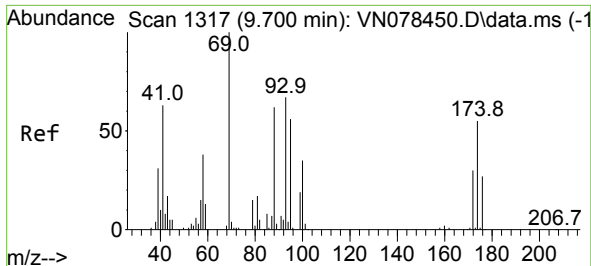
Tgt Ion: 43 Resp: 51650  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.7 37.1#  
87 0.0 14.6 21.8#



#48  
Methyl methacrylate  
Concen: 0.335 ug/l  
RT: 9.718 min Scan# 1320  
Delta R.T. 0.030 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 41 Resp: 1529  
Ion Ratio Lower Upper  
41 100  
69 0.0 90.4 135.6#  
39 42.2 54.6 81.8#





#49

1,4-Dioxane

Concen: 1.174 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

SWC-1ME

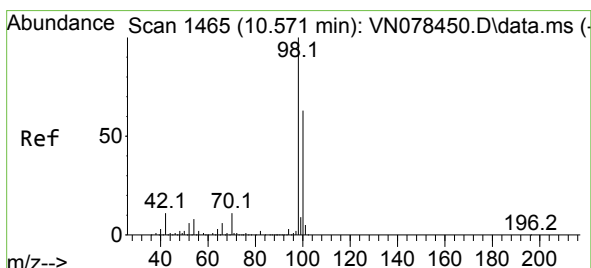
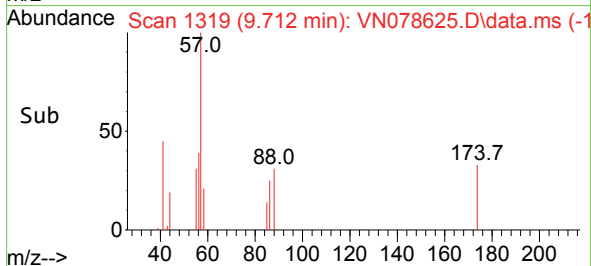
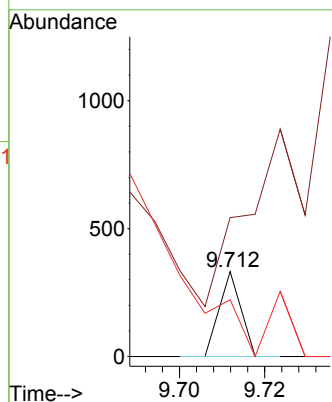
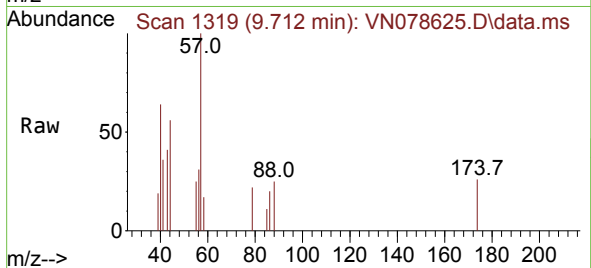
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 45.688 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078625.D

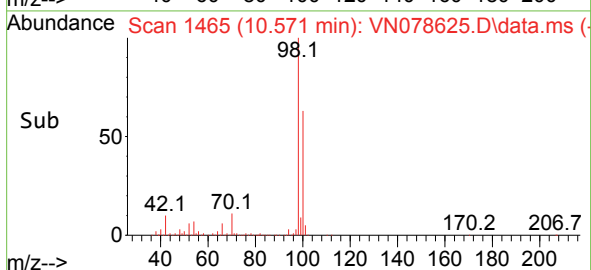
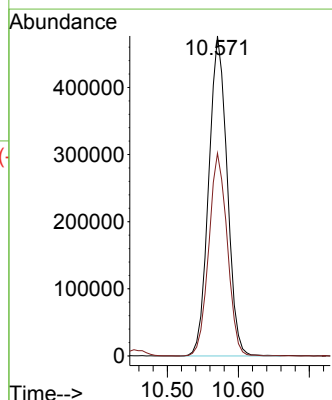
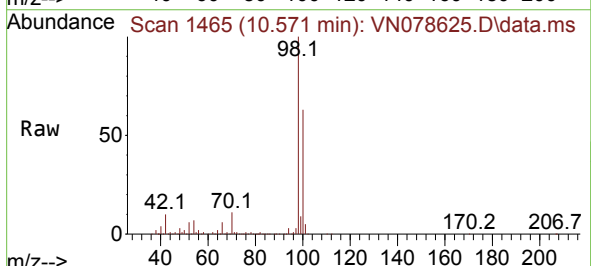
Acq: 21 Jul 2023 19:50

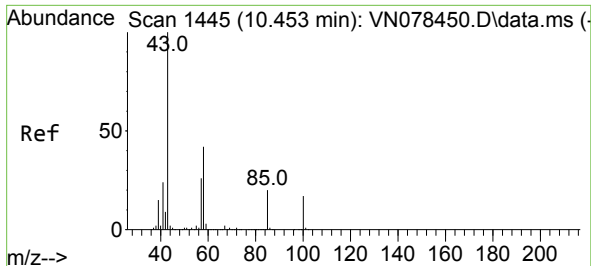
Tgt Ion: 98 Resp: 858787

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0

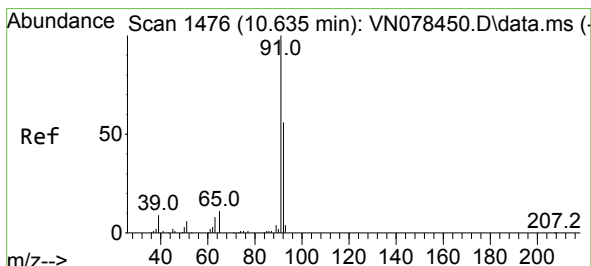
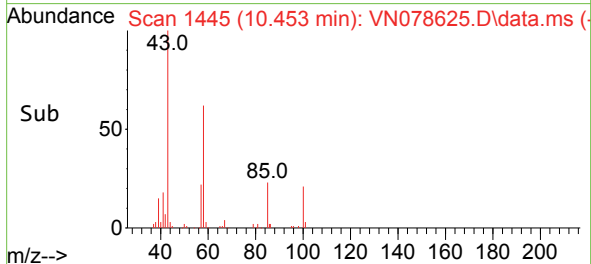
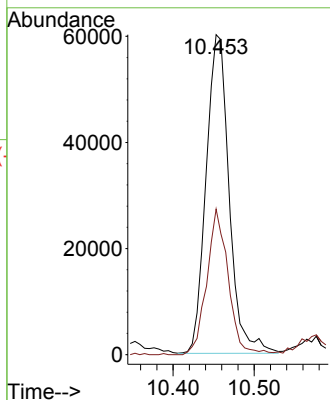
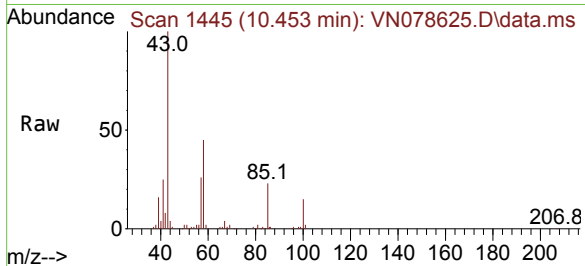




#51  
4-Methyl-2-Pentanone  
Concen: 20.224 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

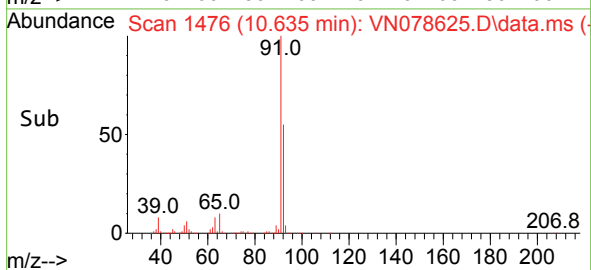
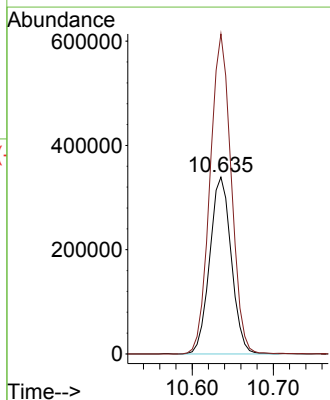
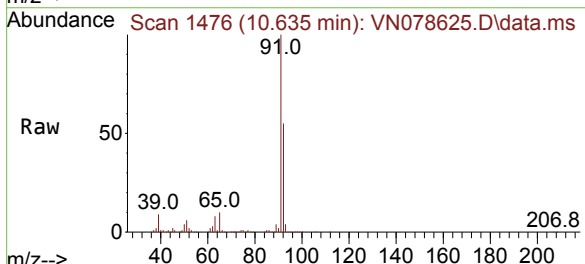
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

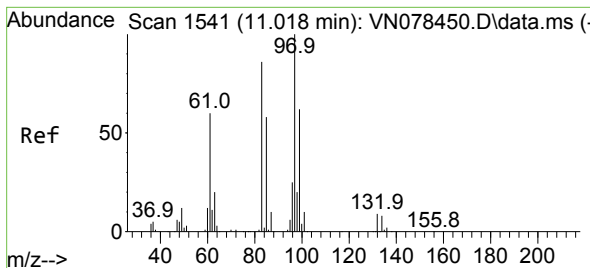
Tgt Ion: 43 Resp: 118612  
Ion Ratio Lower Upper  
43 100  
58 42.5 36.6 54.8



#52  
Toluene  
Concen: 47.313 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 92 Resp: 624143  
Ion Ratio Lower Upper  
92 100  
91 178.6 137.4 206.0





#55

1,1,2-Trichloroethane

Concen: 0.751 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

SWC-1ME

Tgt Ion: 97 Resp: 3905

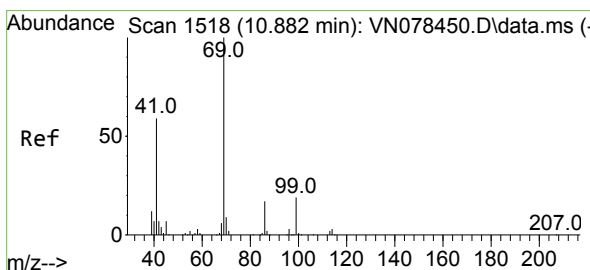
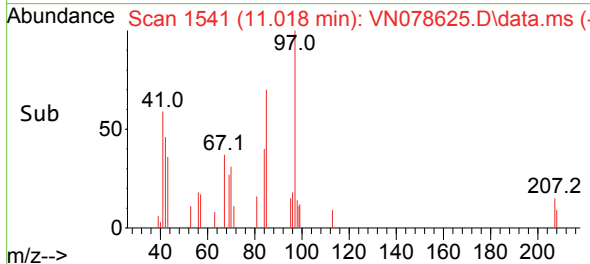
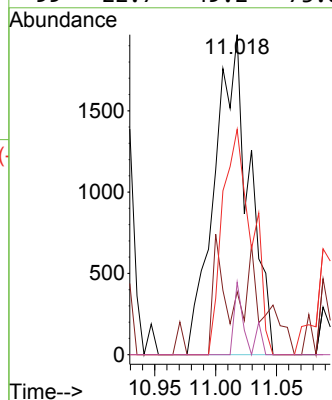
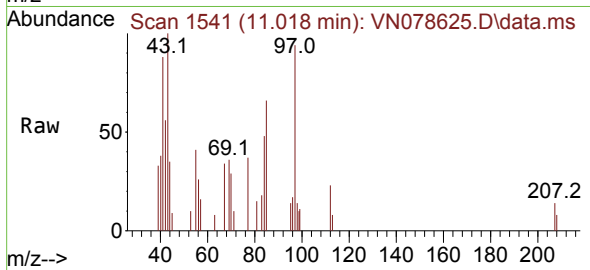
Ion Ratio Lower Upper

97 100

83 10.6 65.1 97.7#

85 70.4 43.4 65.2#

99 22.7 49.2 73.8#



#56

Ethyl methacrylate

Concen: 0.294 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

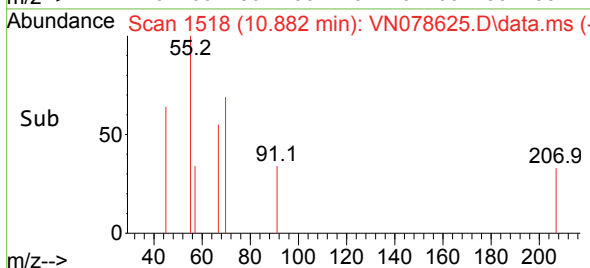
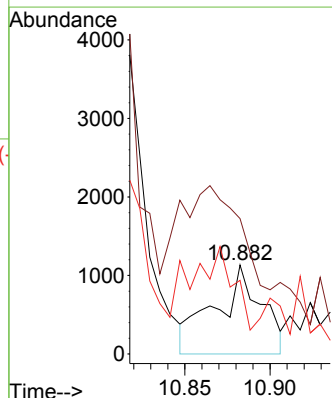
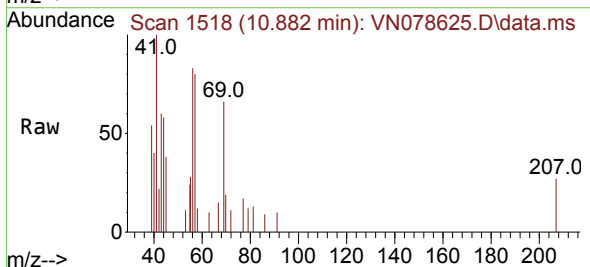
Tgt Ion: 69 Resp: 2133

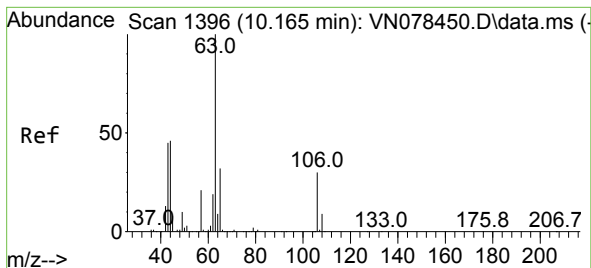
Ion Ratio Lower Upper

69 100

41 248.4 39.6 59.4#

39 0.0 28.6 43.0#

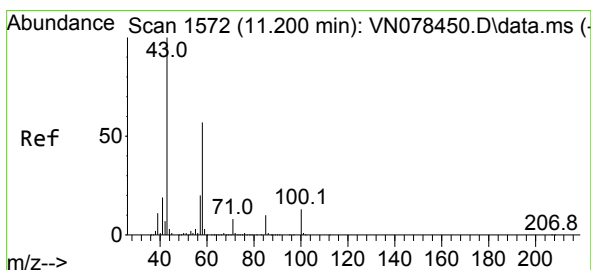
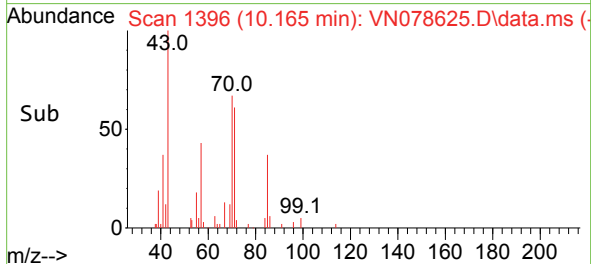
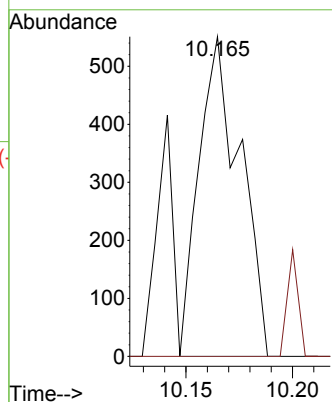
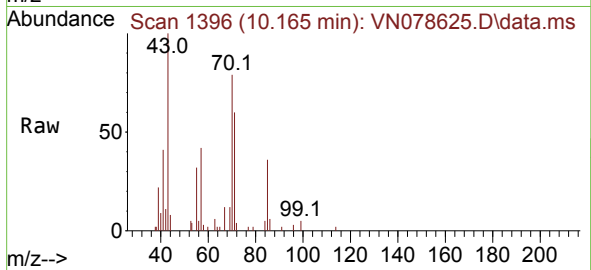




#58  
2-Chloroethyl Vinyl ether  
Concen: 0.288 ug/l  
RT: 10.165 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

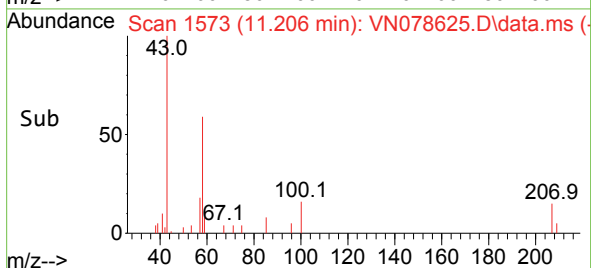
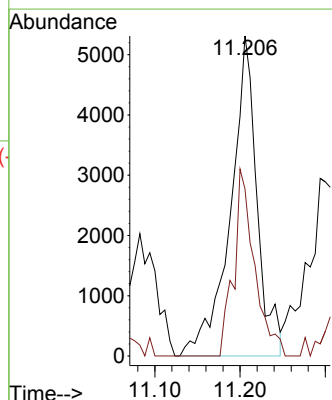
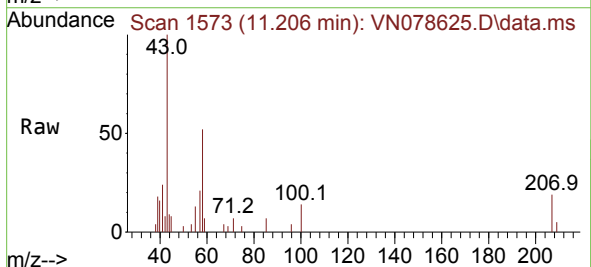
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

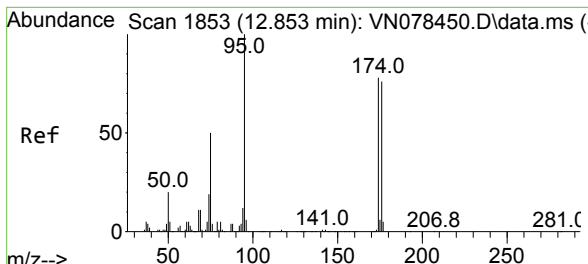
Tgt Ion: 63 Resp: 746  
Ion Ratio Lower Upper  
63 100  
106 0.0 26.2 39.4#



#59  
2-Hexanone  
Concen: 2.771 ug/l  
RT: 11.206 min Scan# 1573  
Delta R.T. 0.006 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 43 Resp: 11549  
Ion Ratio Lower Upper  
43 100  
58 45.3 31.7 95.1

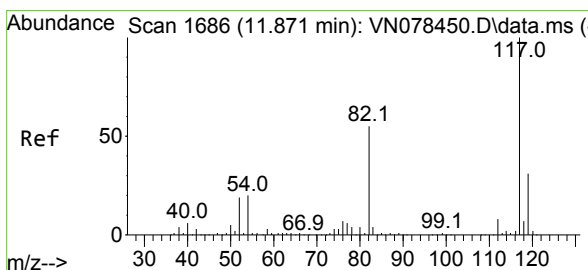
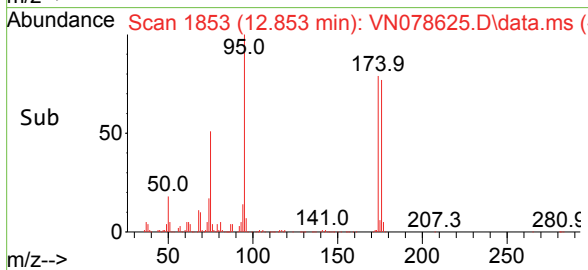
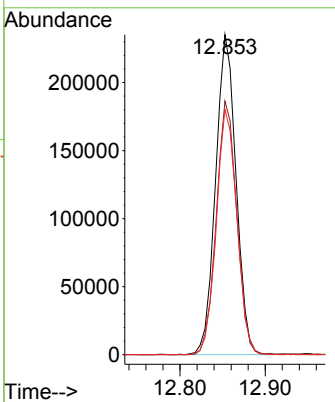
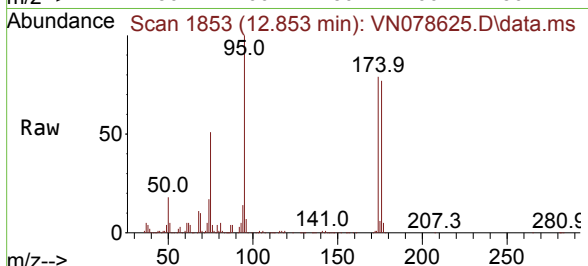




#62  
 4-Bromofluorobenzene  
 Concen: 67.755 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. -0.000 min  
 Lab File: VN078625.D  
 Acq: 21 Jul 2023 19:50

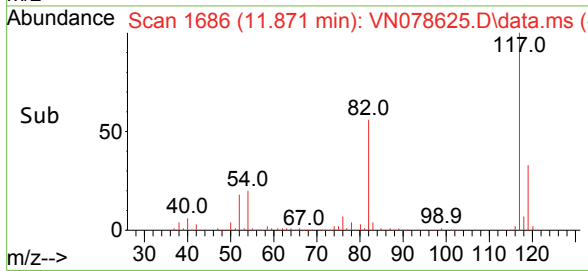
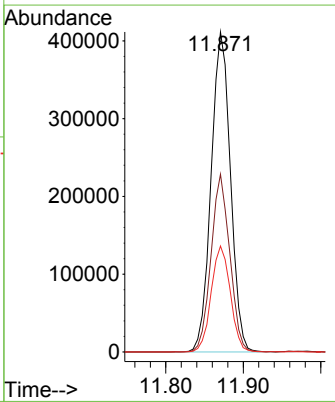
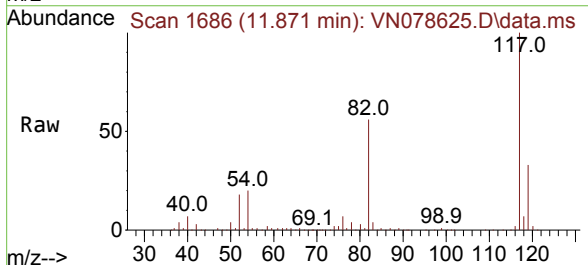
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SWC-1ME

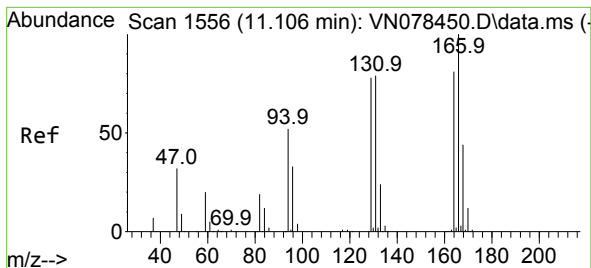
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 392285 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 79.6  | 0.0   | 143.8  |
| 176      | 76.7  | 0.0   | 135.8  |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.871 min Scan# 1686  
 Delta R.T. -0.000 min  
 Lab File: VN078625.D  
 Acq: 21 Jul 2023 19:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 713157 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.5  | 44.0  | 66.0   |
| 119      | 33.1  | 25.6  | 38.4   |





#64

Tetrachloroethene

Concen: 0.403 ug/l

RT: 11.118 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

SWC-1ME

Tgt Ion:164 Resp: 2161

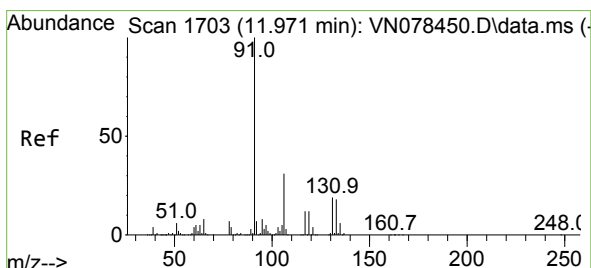
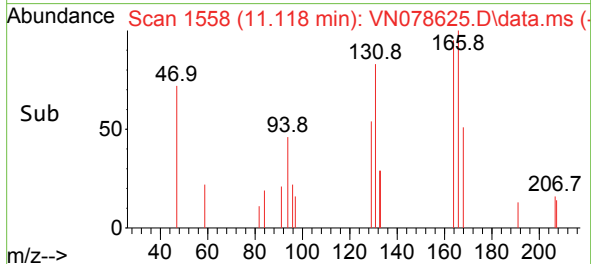
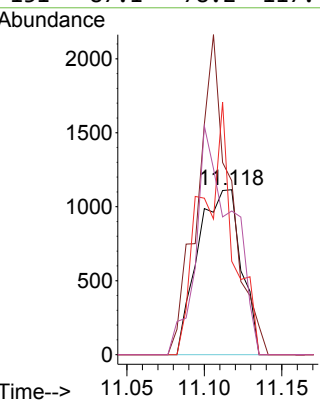
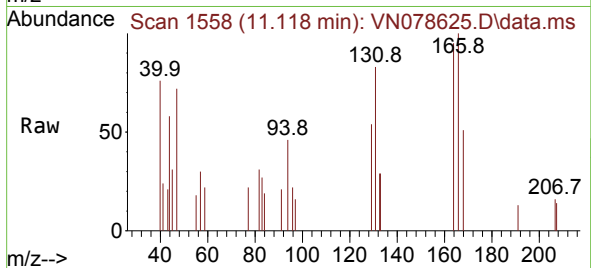
Ion Ratio Lower Upper

164 100

166 105.5 101.4 152.0

129 56.7 82.4 123.6#

131 87.1 78.2 117.4



#67

Ethyl Benzene

Concen: 11.721 ug/l

RT: 11.971 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VN078625.D

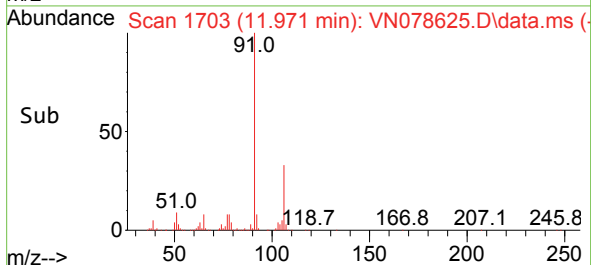
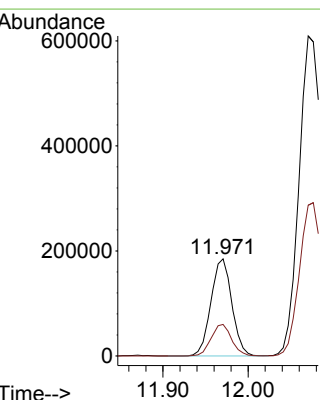
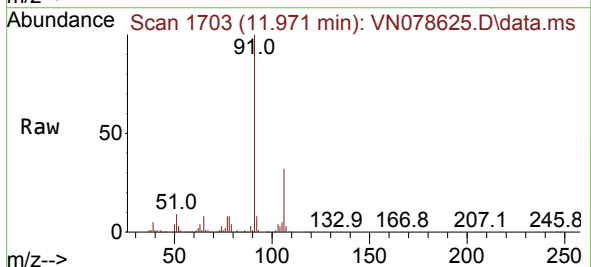
Acq: 21 Jul 2023 19:50

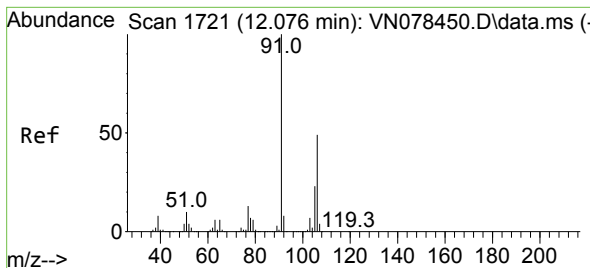
Tgt Ion: 91 Resp: 315828

Ion Ratio Lower Upper

91 100

106 32.5 25.6 38.4

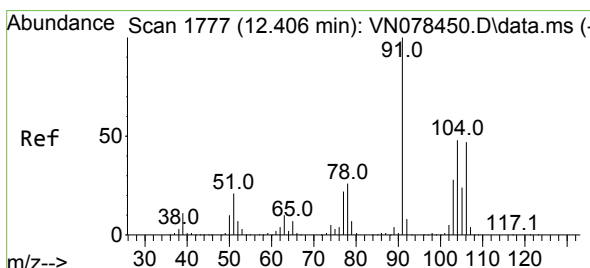
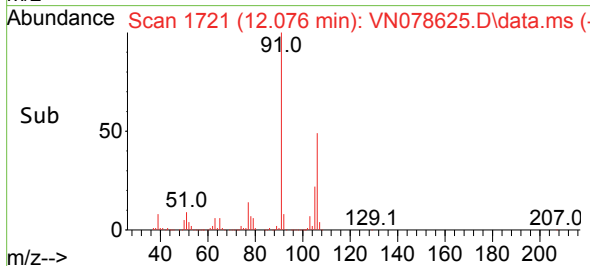
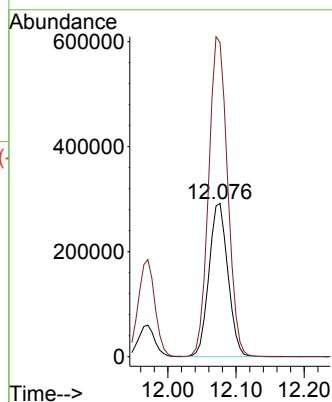
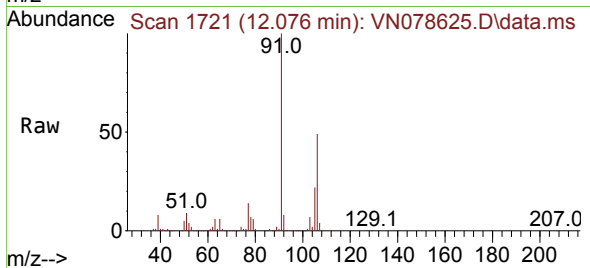




#68  
m/p-Xylenes  
Concen: 56.657 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

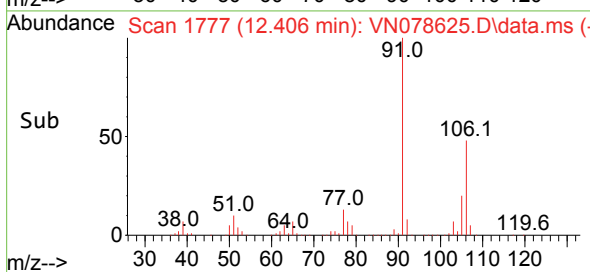
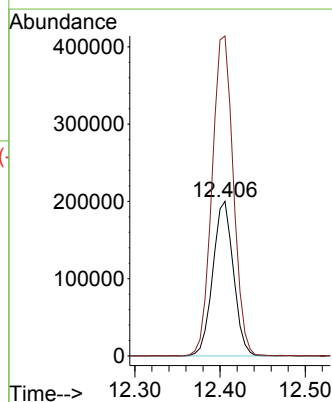
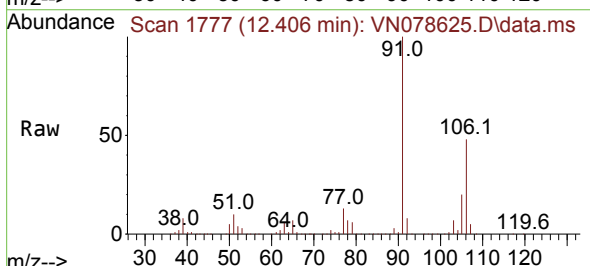
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

Tgt Ion:106 Resp: 564445  
Ion Ratio Lower Upper  
106 100  
91 208.4 159.6 239.4

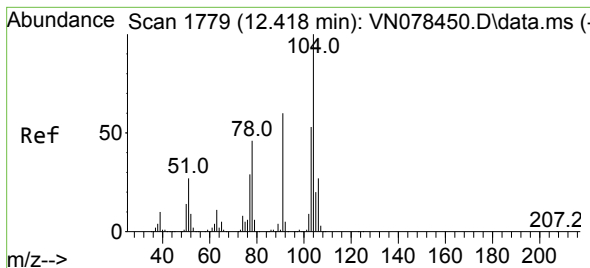


#69  
o-Xylene  
Concen: 33.452 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion:106 Resp: 336613  
Ion Ratio Lower Upper  
106 100  
91 214.0 105.2 315.5







#70

Styrene

Concen: 1.401 ug/l

RT: 12.412 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

SWC-1ME

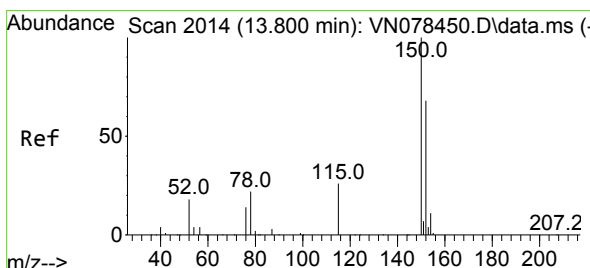
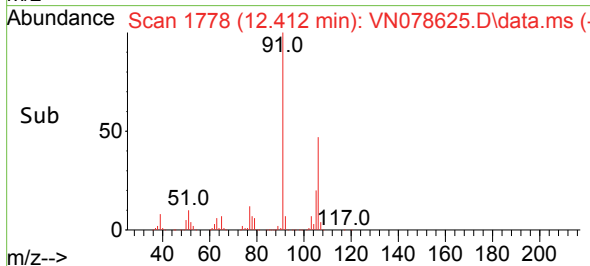
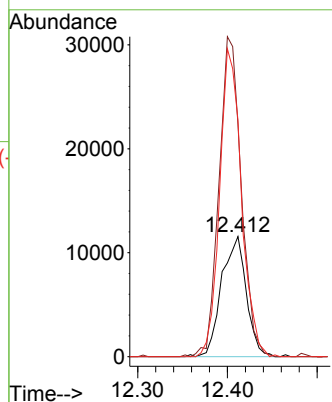
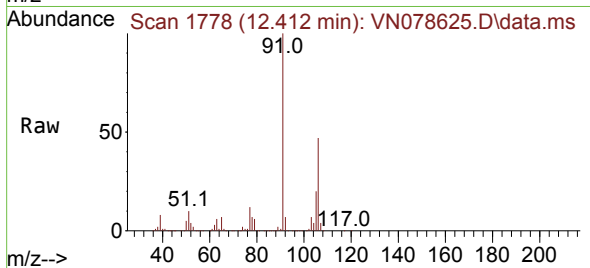
Tgt Ion:104 Resp: 22056

Ion Ratio Lower Upper

104 100

78 240.2 39.5 59.3#

103 226.4 43.2 64.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

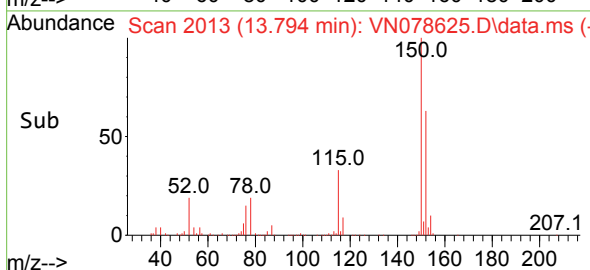
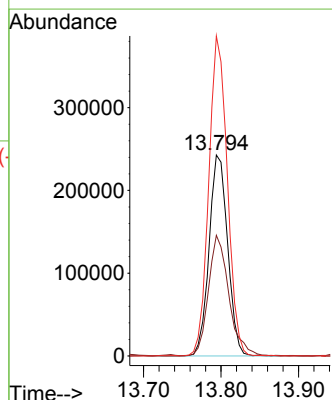
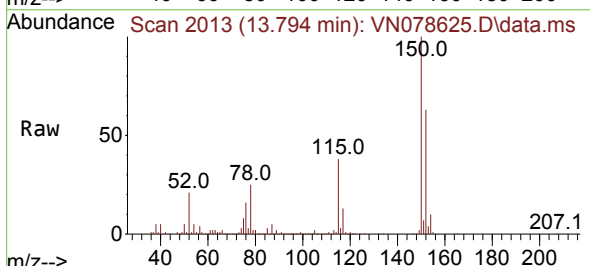
Tgt Ion:152 Resp: 404281

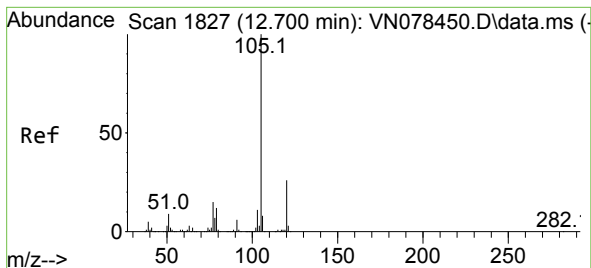
Ion Ratio Lower Upper

152 100

115 65.7 32.3 96.8

150 159.1 0.0 355.8





#73

Isopropylbenzene

Concen: 1.791 ug/l

RT: 12.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

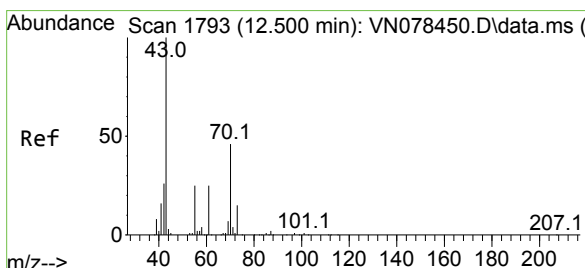
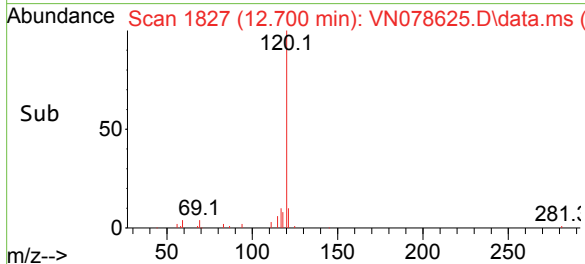
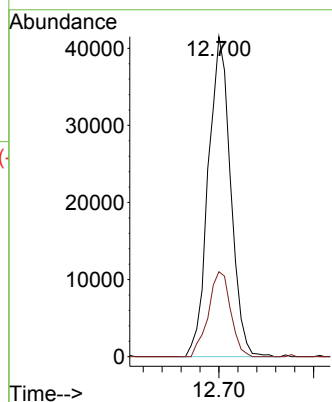
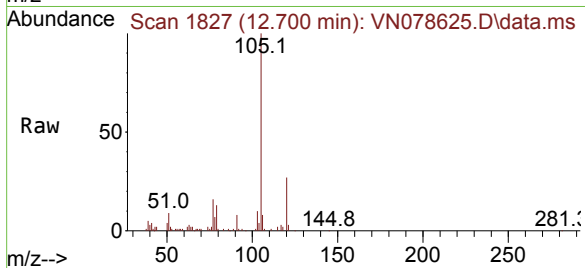
SWC-1ME

Tgt Ion:105 Resp: 68039

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.1



#74

N-ethyl acetate

Concen: 0.561 ug/l

RT: 12.465 min Scan# 1787

Delta R.T. -0.035 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Tgt Ion: 43 Resp: 7338

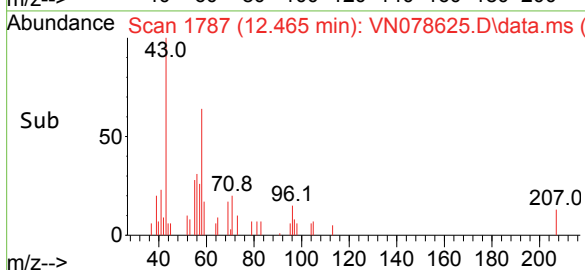
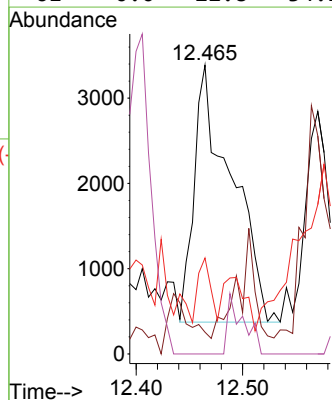
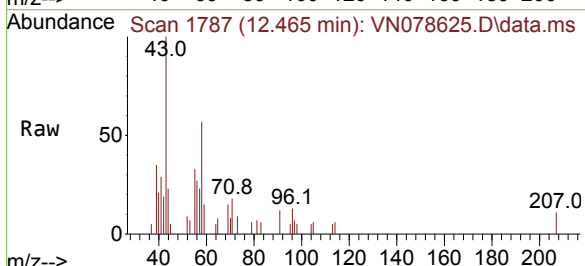
Ion Ratio Lower Upper

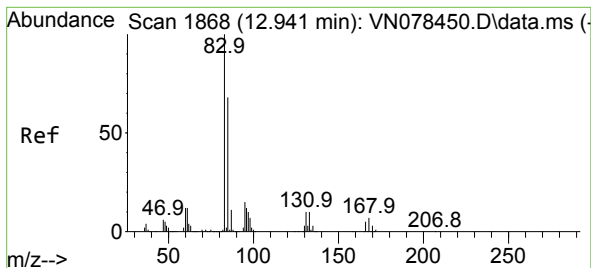
43 100

70 0.0 43.4 65.2#

55 8.4 21.4 32.0#

61 0.0 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

SWC-1ME

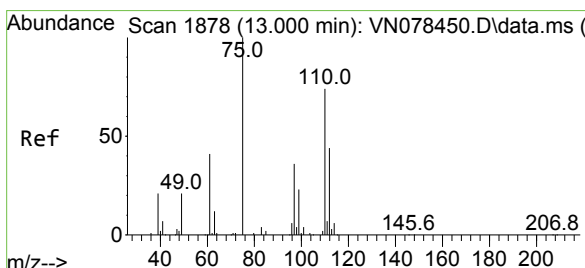
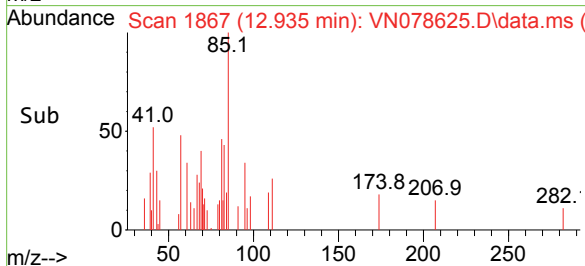
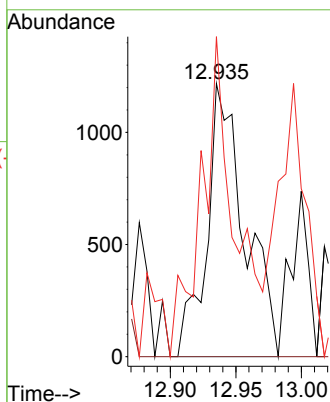
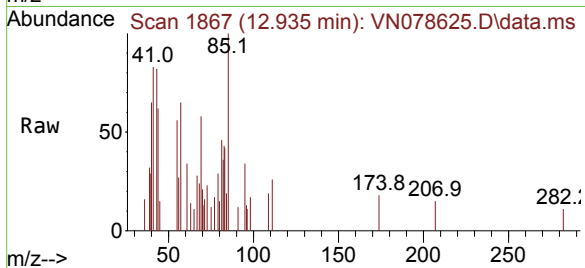
Tgt Ion: 83 Resp: 2431

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 101.8 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 0.659 ug/l

RT: 13.100 min Scan# 1895

Delta R.T. 0.100 min

Lab File: VN078625.D

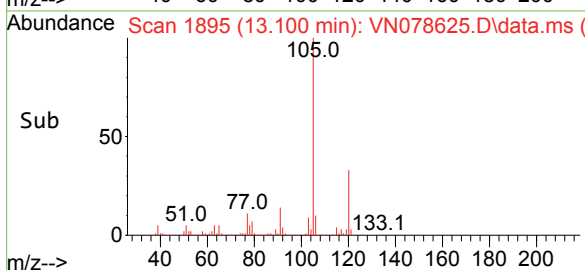
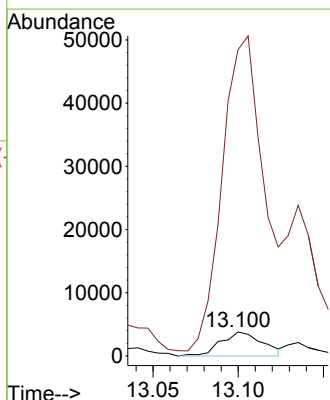
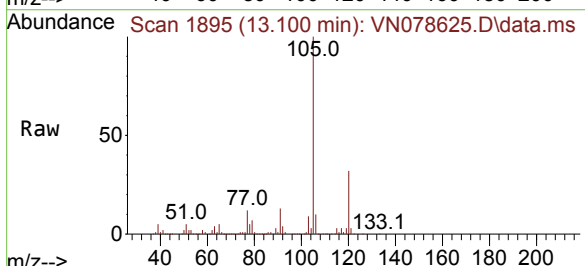
Acq: 21 Jul 2023 19:50

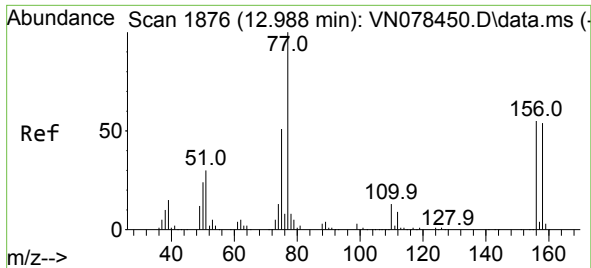
Tgt Ion: 75 Resp: 6440

Ion Ratio Lower Upper

75 100

77 1306.0 84.5 253.5#

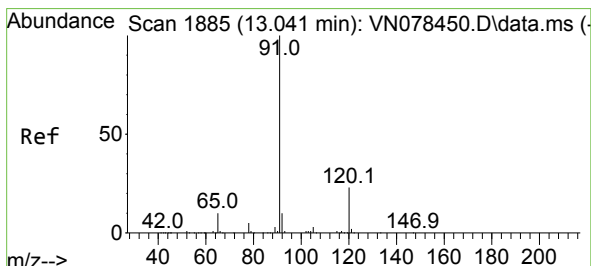
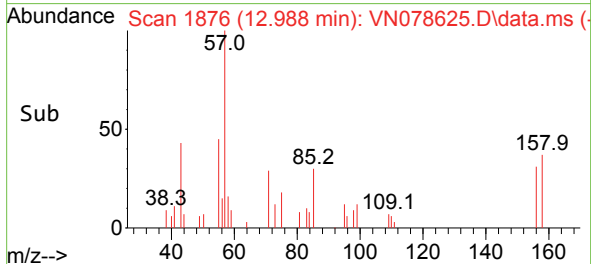
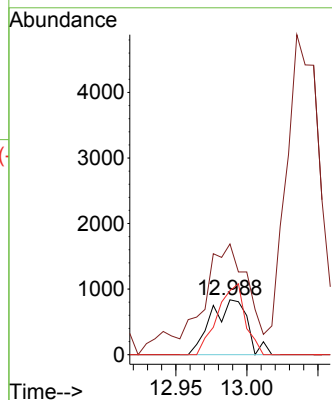
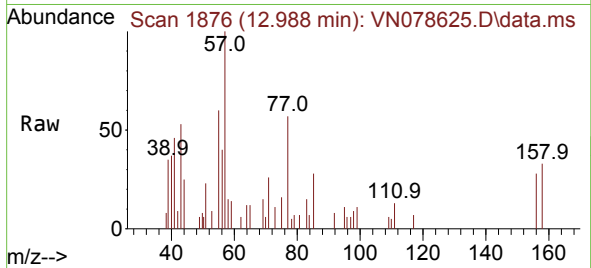




#77  
Bromobenzene  
Concen: Below Cal  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

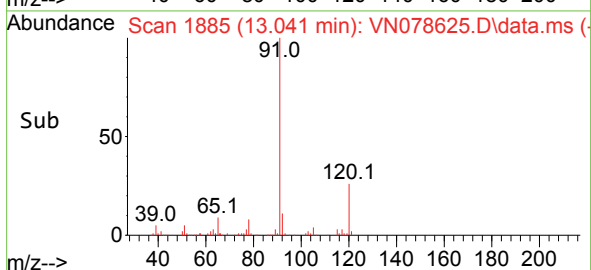
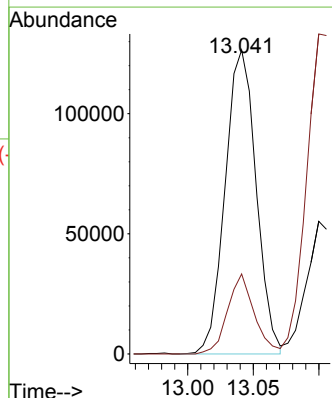
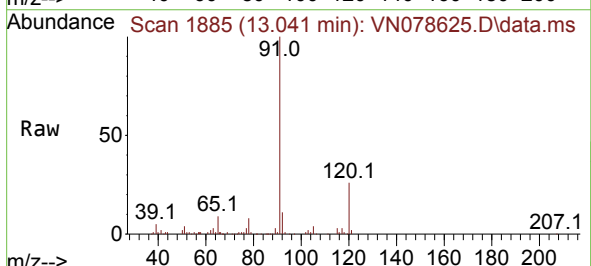
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

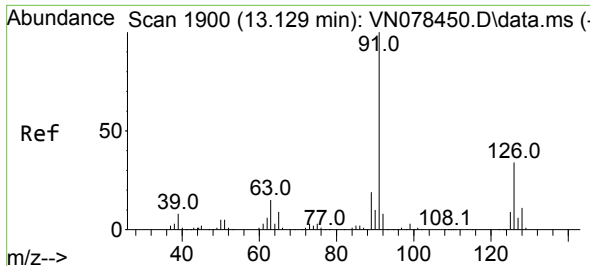
Tgt Ion:156 Resp: 1485  
Ion Ratio Lower Upper  
156 100  
77 269.4 107.7 323.3  
158 98.9 48.4 145.3



#78  
n-propylbenzene  
Concen: 5.120 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 91 Resp: 208001  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 3.139 ug/l

RT: 13.100 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

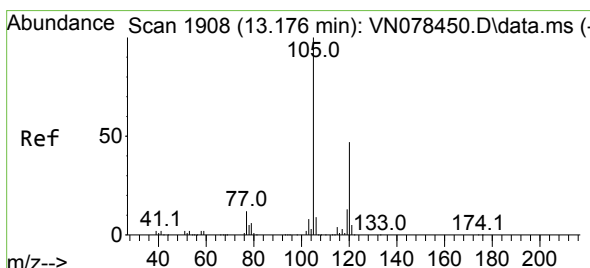
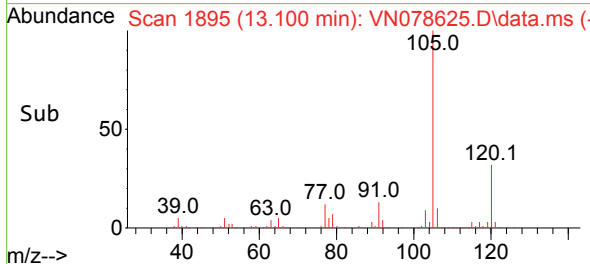
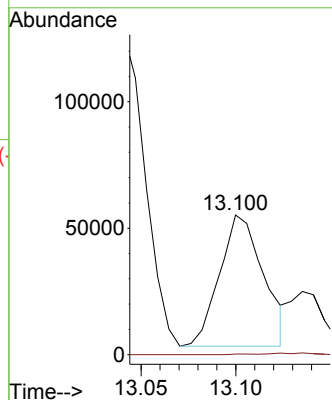
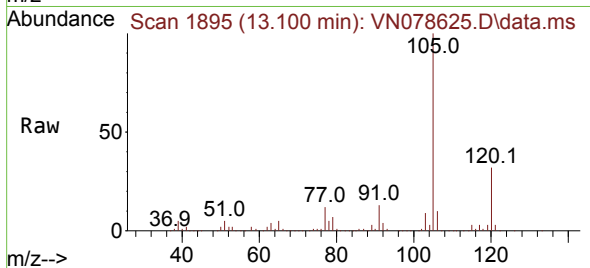
SWC-1ME

Tgt Ion: 91 Resp: 83528

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 13.632 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078625.D

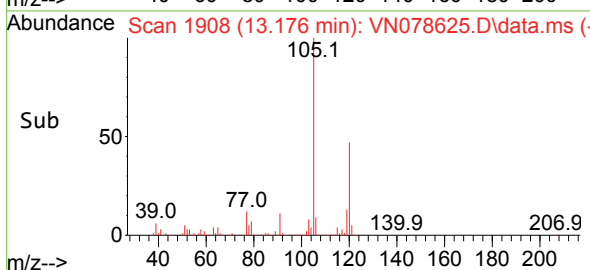
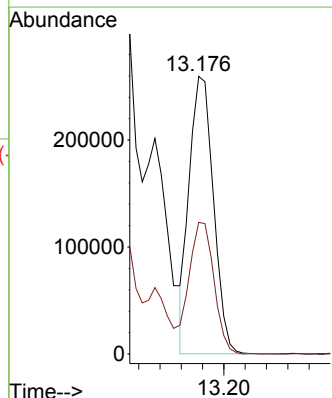
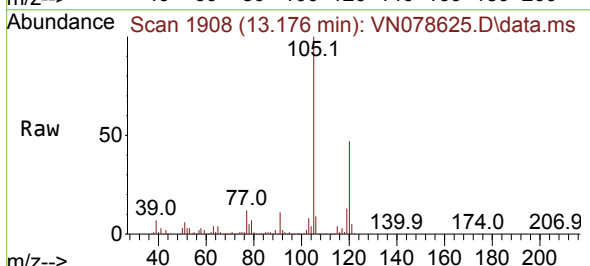
Acq: 21 Jul 2023 19:50

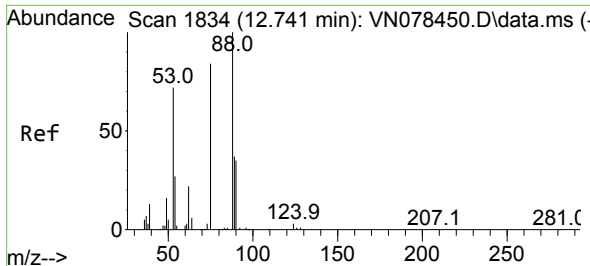
Tgt Ion:105 Resp: 409179

Ion Ratio Lower Upper

105 100

120 50.0 24.1 72.3

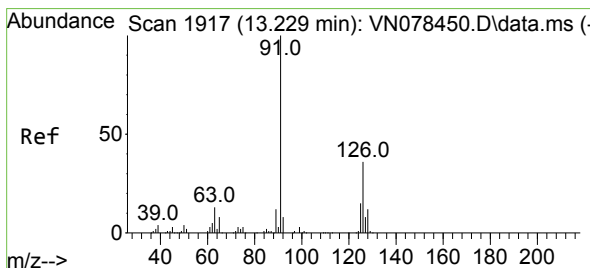
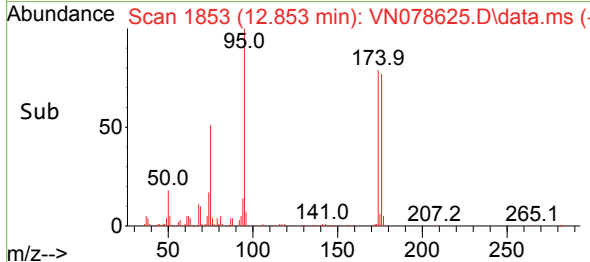
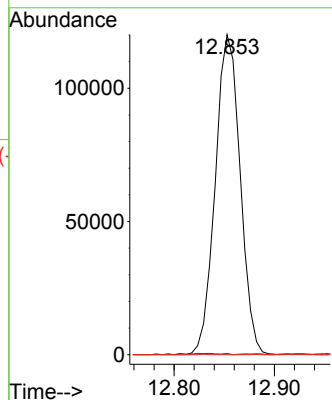
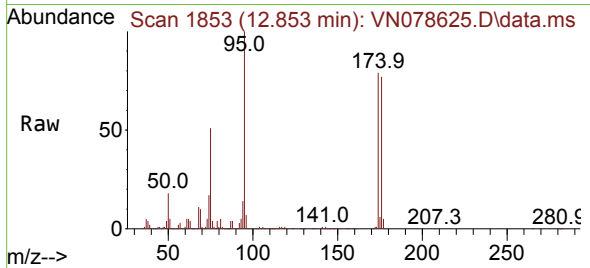




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.773 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

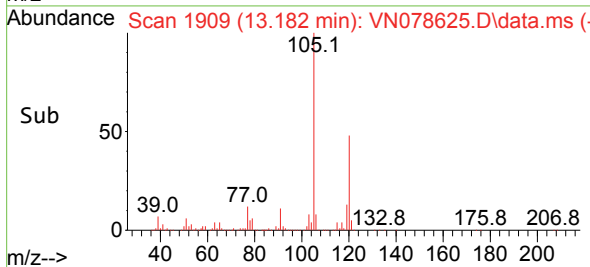
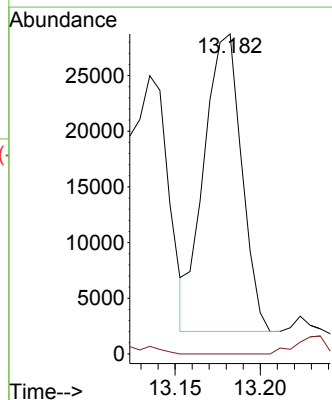
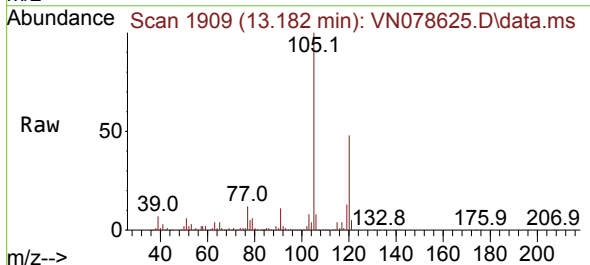
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

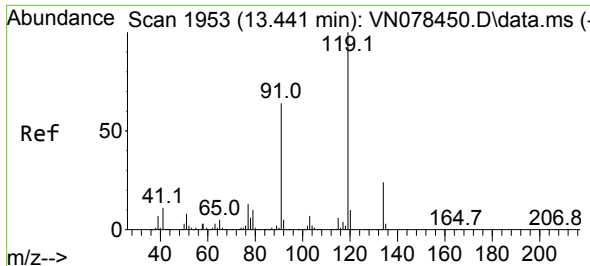
Tgt Ion: 75 Resp: 207400  
Ion Ratio Lower Upper  
75 100  
53 0.6 67.4 101.2#  
89 0.0 38.8 58.2#



#82  
4-Chlorotoluene  
Concen: 1.649 ug/l  
RT: 13.182 min Scan# 1909  
Delta R.T. -0.047 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 91 Resp: 40937  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.7 50.0#

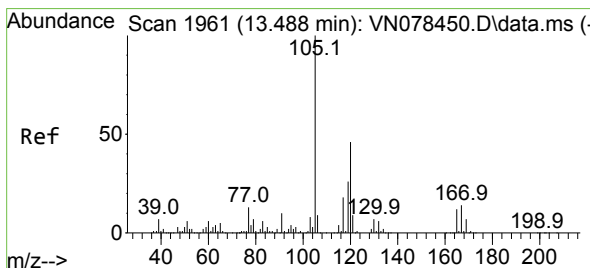
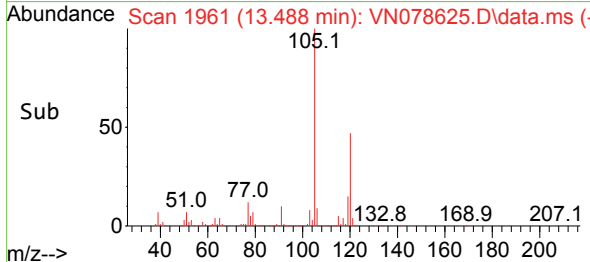
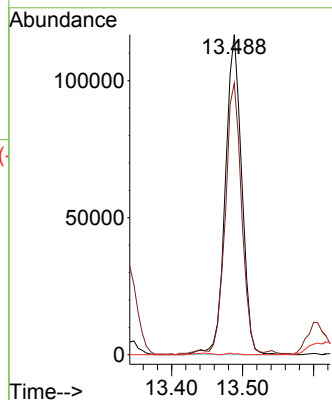
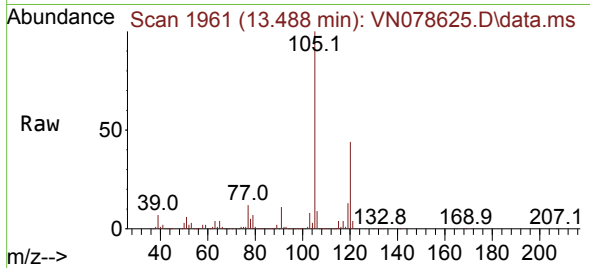




#83  
 tert-Butylbenzene  
 Concen: 7.333 ug/l  
 RT: 13.488 min Scan# 1953  
 Delta R.T. 0.047 min  
 Lab File: VN078625.D  
 Acq: 21 Jul 2023 19:50

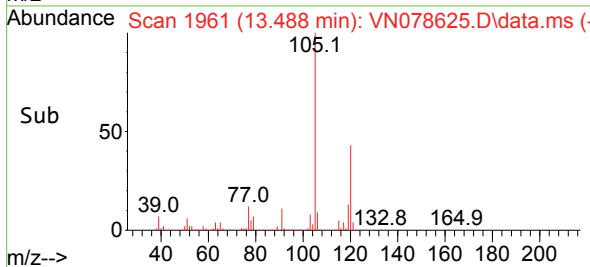
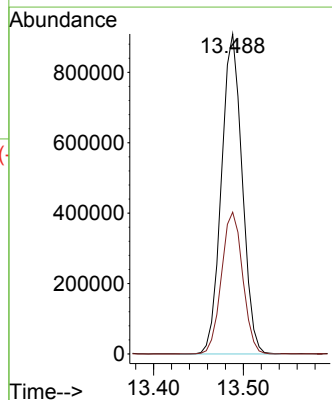
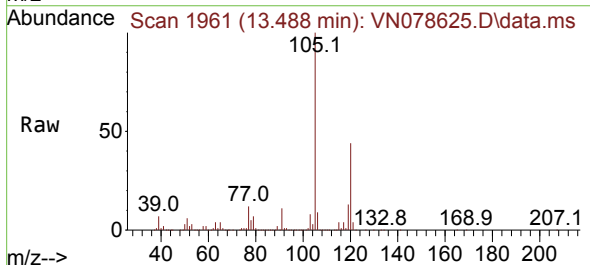
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SWC-1ME

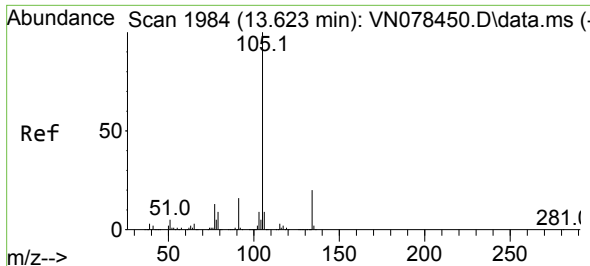
Tgt Ion:119 Resp: 186871  
 Ion Ratio Lower Upper  
 119 100  
 91 85.3 33.9 101.7  
 134 0.3 13.2 39.6#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.942 ug/l  
 RT: 13.488 min Scan# 1961  
 Delta R.T. 0.000 min  
 Lab File: VN078625.D  
 Acq: 21 Jul 2023 19:50

Tgt Ion:105 Resp: 1456050  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 22.0 66.0

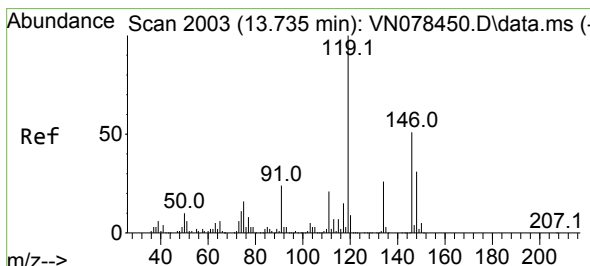
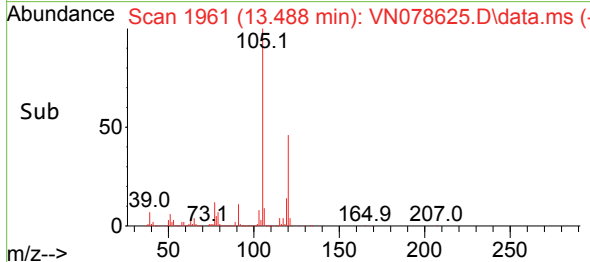
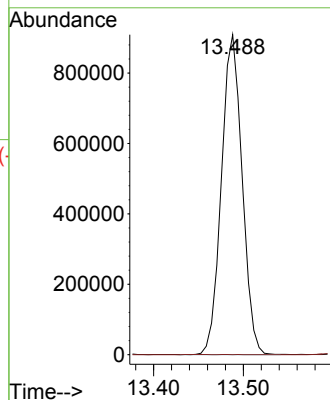
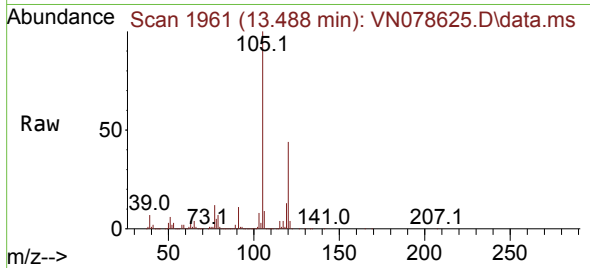




#85  
 sec-Butylbenzene  
 Concen: 45.204 ug/l  
 RT: 13.488 min Scan# 1984  
 Delta R.T. -0.135 min  
 Lab File: VN078625.D  
 Acq: 21 Jul 2023 19:50

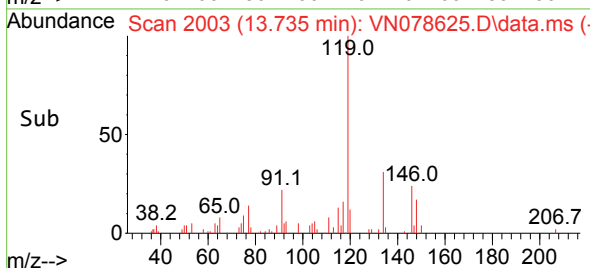
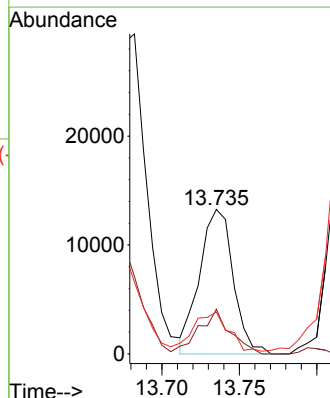
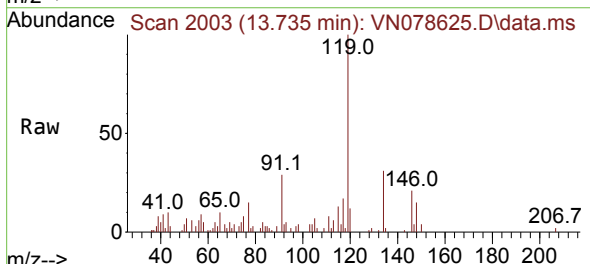
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SWC-1ME

Tgt Ion:105 Resp: 1456050  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.8 29.3#

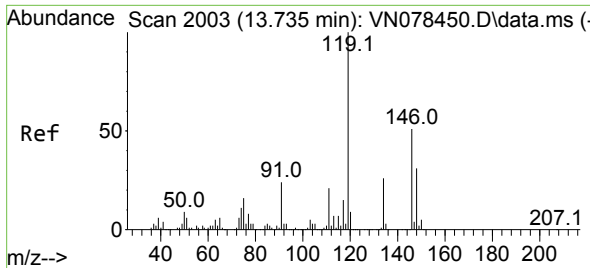


#86  
 p-Isopropyltoluene  
 Concen: 0.776 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078625.D  
 Acq: 21 Jul 2023 19:50

Tgt Ion:119 Resp: 20076  
 Ion Ratio Lower Upper  
 119 100  
 134 28.8 12.6 37.8  
 91 27.8 12.4 37.2



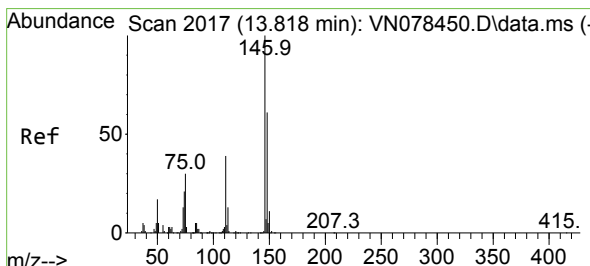
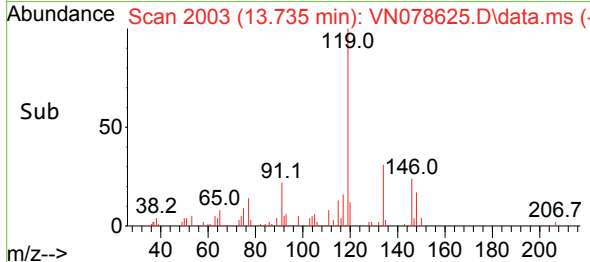
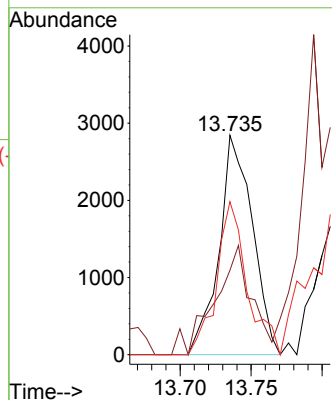
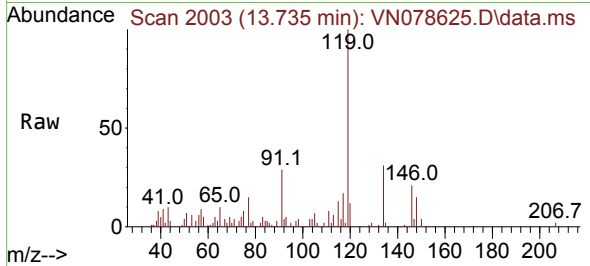




#87  
1,3-Dichlorobenzene  
Concen: 0.318 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

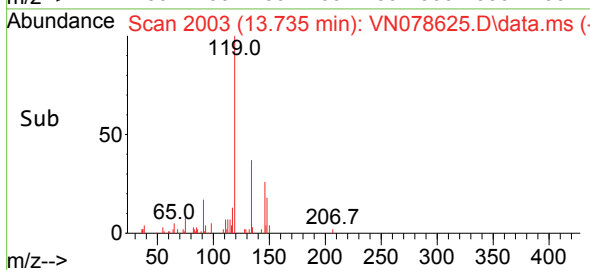
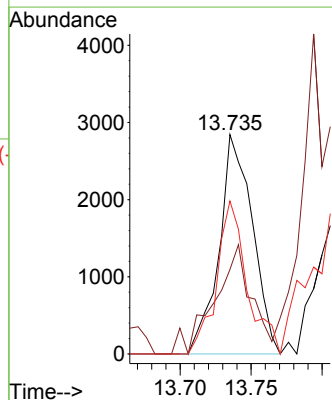
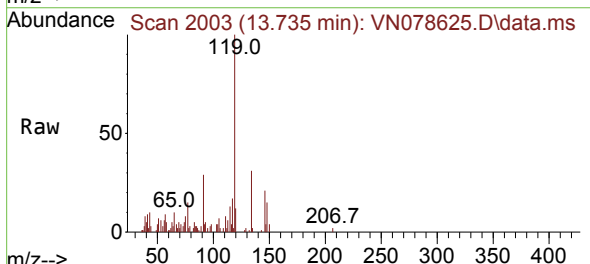
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

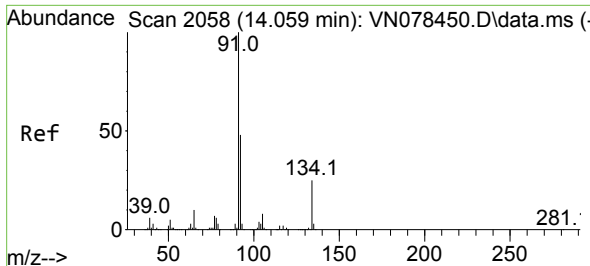
Tgt Ion:146 Resp: 4640  
Ion Ratio Lower Upper  
146 100  
111 55.9 22.1 66.3  
148 63.6 32.0 96.0



#88  
1,4-Dichlorobenzene  
Concen: 0.316 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. -0.083 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion:146 Resp: 4640  
Ion Ratio Lower Upper  
146 100  
111 55.9 20.6 61.8  
148 63.6 31.6 94.8

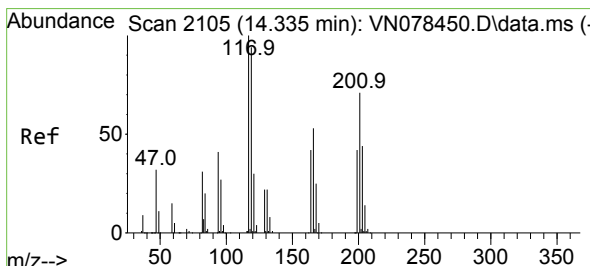
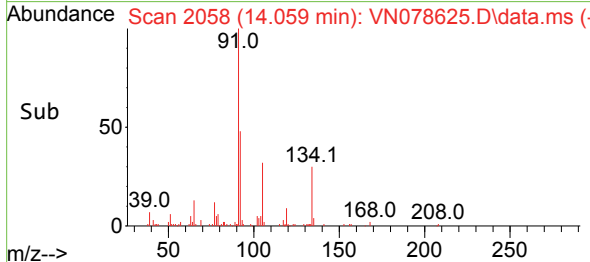
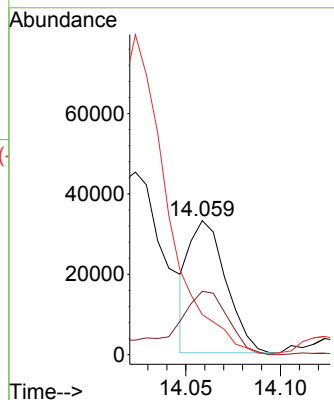
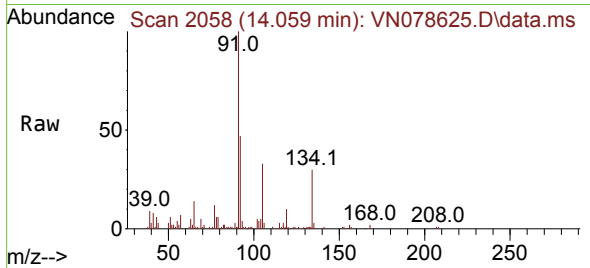




#89  
n-Butylbenzene  
Concen: 2.394 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

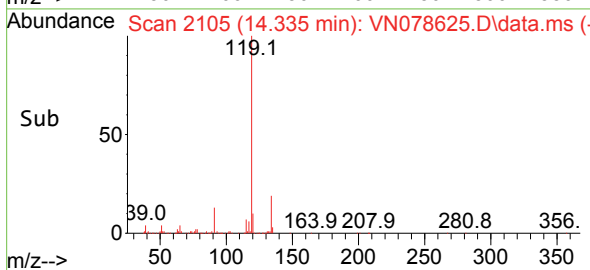
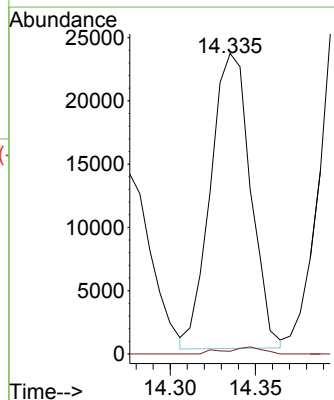
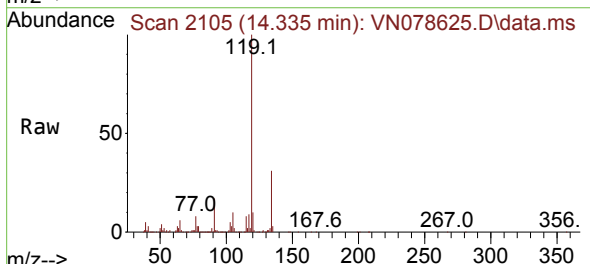
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

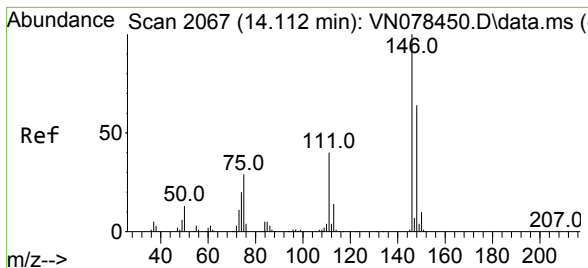
Tgt Ion: 91 Resp: 44299  
Ion Ratio Lower Upper  
91 100  
92 60.2 26.4 79.0  
134 0.0 12.6 37.6#



#90  
Hexachloroethane  
Concen: 7.330 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion: 117 Resp: 38157  
Ion Ratio Lower Upper  
117 100  
201 2.2 29.3 88.0#

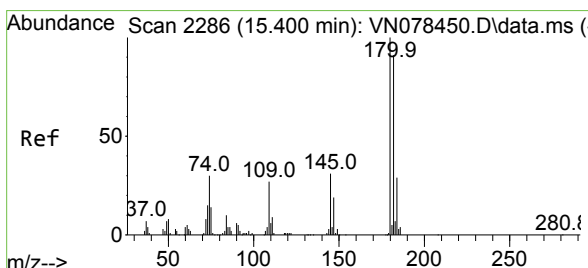
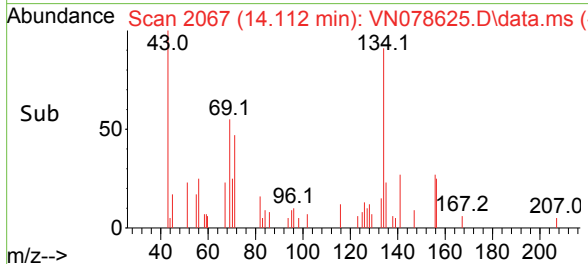
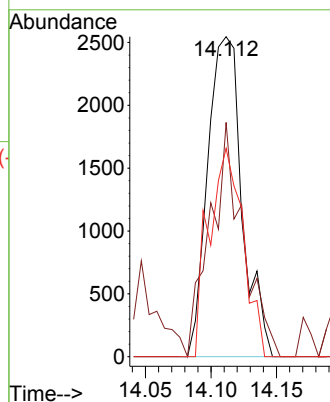
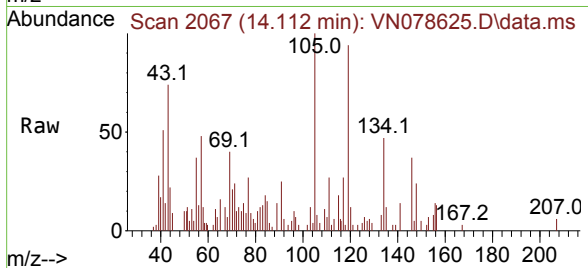




#91  
1,2-Dichlorobenzene  
Concen: 0.320 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. -0.000 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

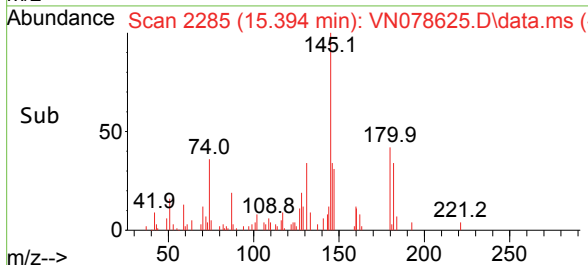
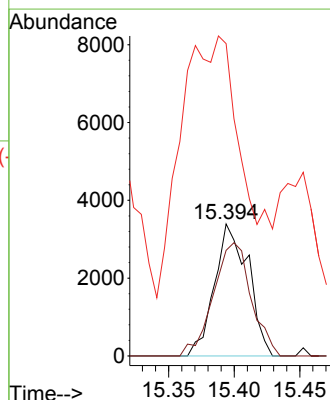
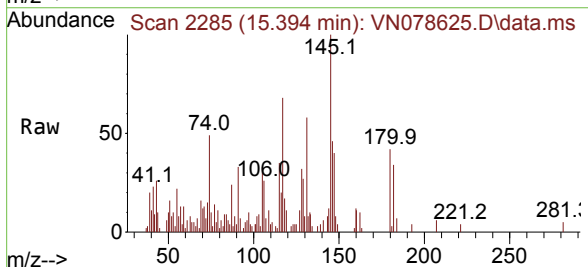
Instrument :  
MSVOA\_N  
ClientSampleId :  
SWC-1ME

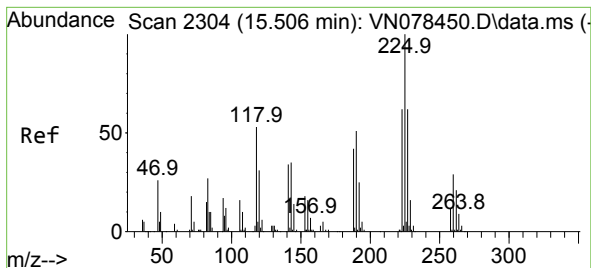
Tgt Ion:146 Resp: 4649  
Ion Ratio Lower Upper  
146 100  
111 70.1 22.0 66.0#  
148 64.7 31.8 95.3



#93  
1,2,4-Trichlorobenzene  
Concen: 1.313 ug/l  
RT: 15.394 min Scan# 2285  
Delta R.T. -0.006 min  
Lab File: VN078625.D  
Acq: 21 Jul 2023 19:50

Tgt Ion:180 Resp: 6081  
Ion Ratio Lower Upper  
180 100  
182 95.8 46.1 138.2  
145 438.5 16.6 49.8#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.511 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

Instrument :

MSVOA\_N

ClientSampleId :

SWC-1ME

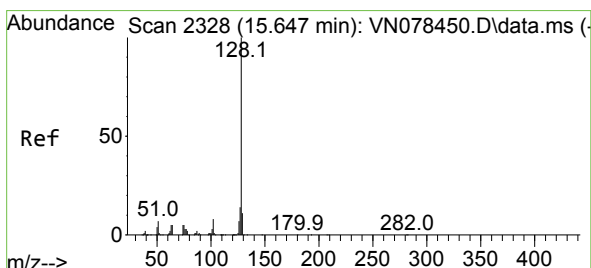
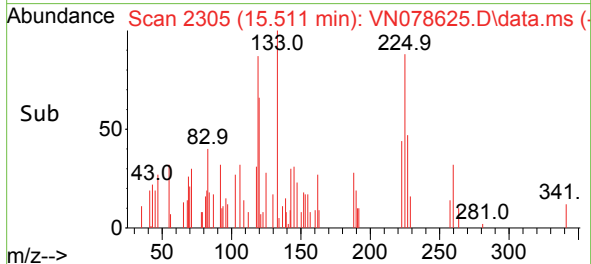
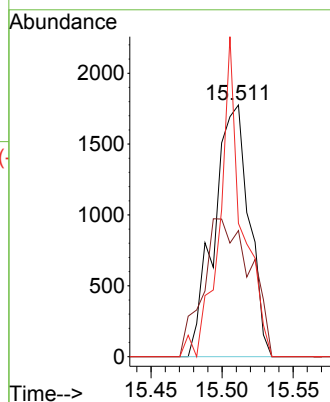
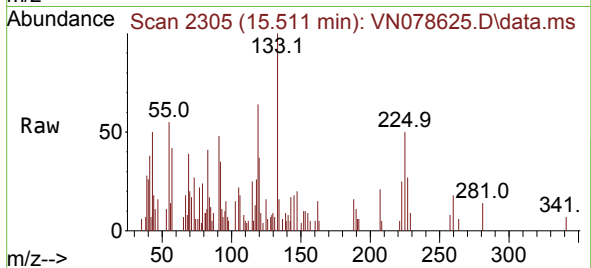
Tgt Ion:225 Resp: 3043

Ion Ratio Lower Upper

225 100

223 73.8 31.3 93.8

227 81.2 31.9 95.9



#95

Naphthalene

Concen: 30.284 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078625.D

Acq: 21 Jul 2023 19:50

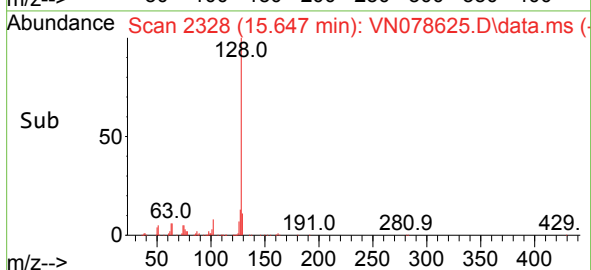
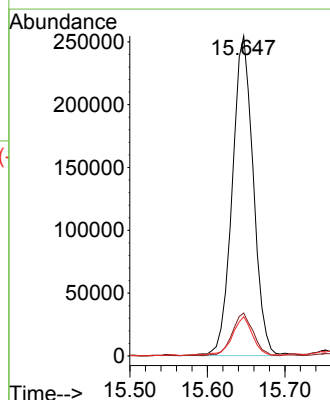
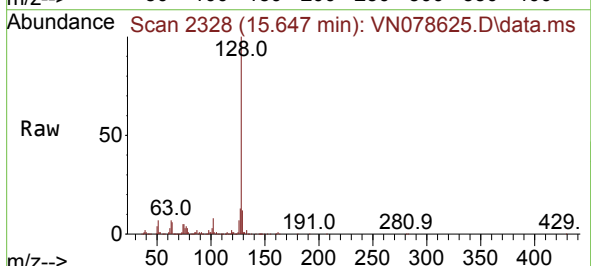
Tgt Ion:128 Resp: 479551

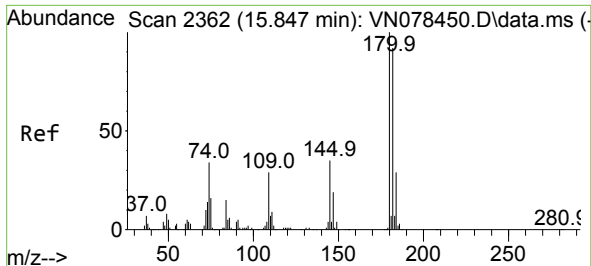
Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

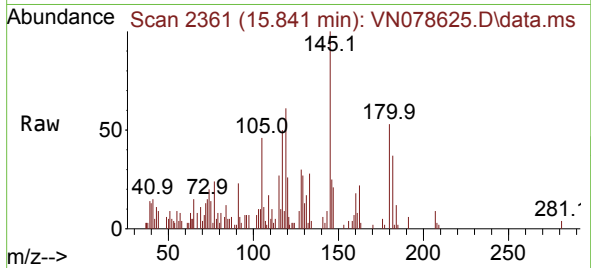
129 11.8 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.506 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VN078625.D  
 Acq: 21 Jul 2023 19:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SWC-1ME



Tgt Ion:180 Resp: 8019  
 Ion Ratio Lower Upper  
 180 100  
 182 87.5 46.2 138.6  
 145 0.0 17.5 52.6#

