

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080923\  
 Data File : VN078812.D  
 Acq On : 09 Aug 2023 11:19  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Quant Time: Aug 10 05:21:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080823W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 09 05:05:47 2023  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                        |           |       |          |          |            |          |
| Internal Standards           |           |       |          |          |            |          |
| 1) Bromochloromethane        | 7.818     | 128   | 31046    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.106     | 114   | 174472   | 30.000   | ug/l       | 0.00     |
| 57) Chlorobenzene-d5         | 11.871    | 117   | 151749   | 30.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |           |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 8.588     | 65    | 76796    | 30.725   | ug/l       | 0.00     |
| Spiked Amount                | 30.000    | Range | 91 - 110 | Recovery | = 102.400% |          |
| 60) 4-Bromofluorobenzene     | 12.853    | 95    | 66581    | 31.258   | ug/l       | 0.00     |
| Spiked Amount                | 30.000    | Range | 63 - 112 | Recovery | = 104.200% |          |
| 63) Toluene-d8               | 10.571    | 98    | 230553   | 31.004   | ug/l       | 0.00     |
| Spiked Amount                | 30.000    | Range | 91 - 112 | Recovery | = 103.333% |          |
| Target Compounds             |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.136     | 85    | 45121    | 21.084   | ug/l       | 93       |
| 3) Chloromethane             | 2.371     | 50    | 52459    | 20.586   | ug/l       | 95       |
| 4) Vinyl Chloride            | 2.524     | 62    | 48595    | 20.040   | ug/l #     | 87       |
| 5) Bromomethane              | 2.971     | 94    | 33919    | 19.229   | ug/l       | 100      |
| 6) Chloroethane              | 3.136     | 64    | 31420    | 18.241   | ug/l       | 90       |
| 7) Trichlorofluoromethane    | 3.506     | 101   | 68304    | 20.523   | ug/l       | 94       |
| 8) Diethyl Ether             | 3.971     | 74    | 22876    | 19.330   | ug/l       | 70       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383     | 101   | 38365    | 21.488   | ug/l       | 94       |
| 10) 1,1-Dichloroethene       | 4.353     | 96    | 34582    | 20.001   | ug/l       | 90       |
| 11) Methyl Iodide            | 4.600     | 142   | 45537    | 19.744   | ug/l       | 92       |
| 12) Methyl Acetate           | 5.036     | 43    | 70938    | 18.877   | ug/l       | 91       |
| 13) Acrolein                 | 4.195     | 56    | 31836    | 79.984   | ug/l       | 100      |
| 14) Acrylonitrile            | 5.730     | 53    | 53830    | 54.362   | ug/l #     | 36       |
| 15) Acetone                  | 4.436     | 58    | 14389    | 56.397   | ug/l       | 89       |
| 16) Carbon Disulfide         | 4.724     | 76    | 102960   | 20.571   | ug/l       | 96       |
| 17) Allyl chloride           | 5.030     | 41    | 27414    | 9.071    | ug/l       | 95       |
| 18) Methylene Chloride       | 5.289     | 84    | 44338    | 20.549   | ug/l #     | 80       |
| 19) trans-1,2-Dichloroethene | 5.789     | 96    | 37921    | 19.102   | ug/l       | 95       |
| 20) Diisopropyl ether        | 6.677     | 45    | 142946   | 21.063   | ug/l #     | 94       |
| 21) 1,1-Dichloroethane       | 6.577     | 63    | 80450    | 20.792   | ug/l       | 96       |
| 22) cis-1,2-Dichloroethene   | 7.488     | 96    | 45031    | 20.465   | ug/l       | 94       |
| 23) tert-Butyl Alcohol       | 5.524     | 59    | 14745    | 40.073   | ug/l #     | 100      |
| 24) Methyl tert-Butyl Ether  | 5.794     | 73    | 48586    | 8.396    | ug/l #     | 74       |
| 25) Chloroform               | 7.977     | 83    | 81205    | 21.140   | ug/l       | 99       |
| 26) Cyclohexane              | 8.265     | 56    | 65602    | 21.526   | ug/l #     | 87       |
| 29) 1,1-Dichloropropene      | 8.377     | 75    | 56577    | 19.960   | ug/l       | 98       |
| 30) 2-Butanone               | 7.494     | 43    | 133005   | 95.734   | ug/l       | 91       |
| 31) 2,2-Dichloropropane      | 7.500     | 77    | 61050    | 20.887   | ug/l       | 98       |
| 32) 1,1,1-Trichloroethane    | 8.171     | 97    | 67840    | 20.323   | ug/l       | 96       |
| 33) Carbon Tetrachloride     | 8.365     | 117   | 58003    | 20.133   | ug/l       | 98       |
| 34) Benzene                  | 8.612     | 78    | 176573   | 20.473   | ug/l       | 98       |
| 35) Methacrylonitrile        | 7.788     | 41    | 29293    | 17.956   | ug/l       | 82       |
| 36) 1,2-Dichloroethane       | 8.677     | 62    | 62329    | 20.673   | ug/l       | 99       |
| 37) Trichloroethene          | 9.359     | 130   | 40107    | 19.325   | ug/l       | 94       |
| 38) Methylcyclohexane        | 9.612     | 83    | 55221    | 20.577   | ug/l       | 93       |
| 39) 1,2-Dichloropropane      | 9.624     | 63    | 46852    | 20.532   | ug/l       | 91       |
| 40) Dibromomethane           | 9.712     | 93    | 30301    | 19.942   | ug/l       | 100      |
| 41) Bromodichloromethane     | 9.894     | 83    | 62285    | 20.343   | ug/l       | 98       |
| 42) Vinyl Acetate            | 6.618     | 43    | 438293   | 100.252  | ug/l #     | 93       |

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 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Quant Time: Aug 10 05:21:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080823W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 09 05:05:47 2023  
 Response via : Initial Calibration

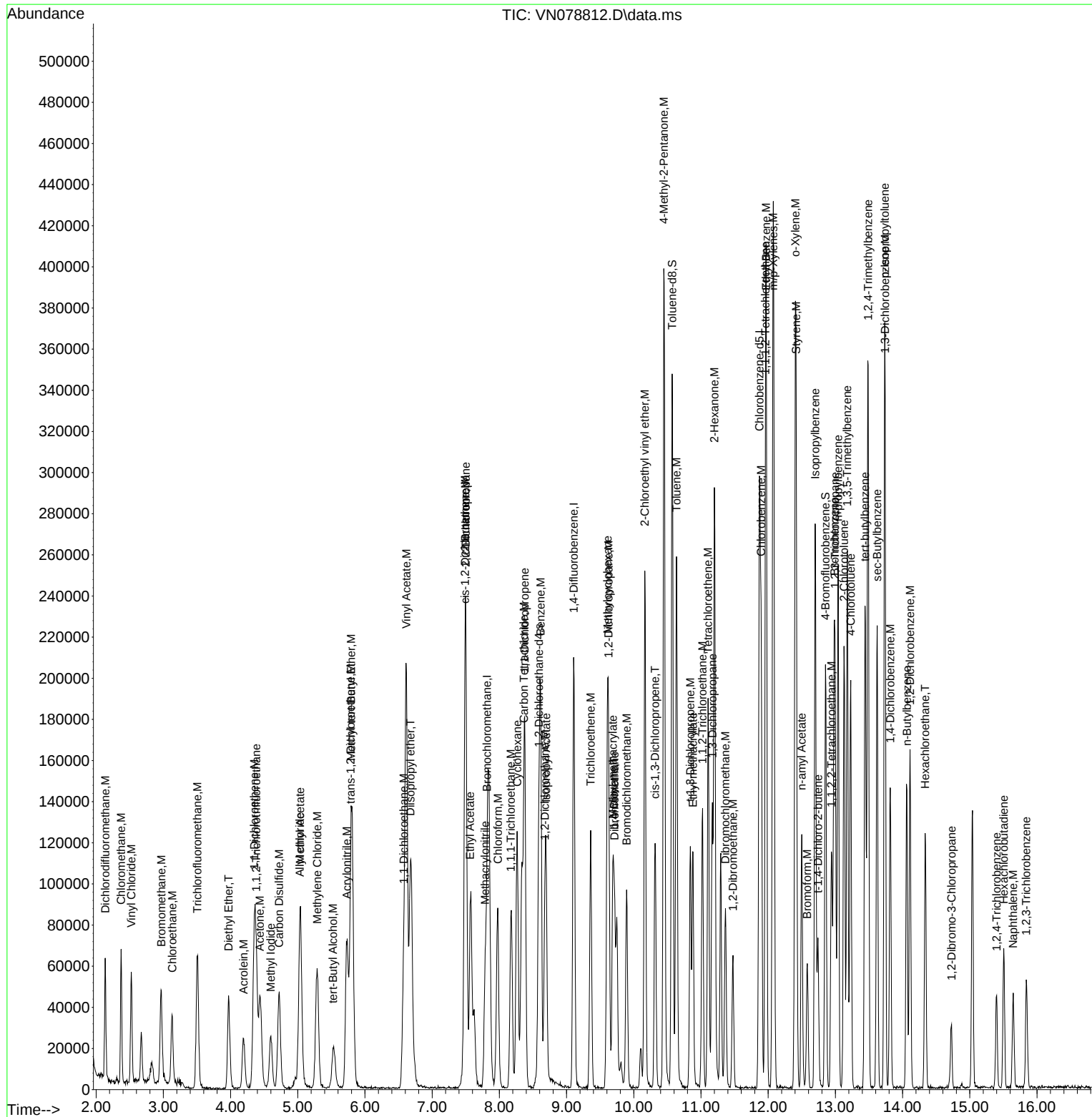
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.565  | 43   | 57644    | 19.987  | ug/l # | 83       |
| 44) Isopropyl Acetate         | 8.694  | 43   | 95180    | 18.379  | ug/l   | 91       |
| 45) 1,4-Dioxane               | 9.706  | 88   | 14039    | 404.055 | ug/l # | 82       |
| 46) Methyl methacrylate       | 9.688  | 41   | 43335    | 19.761  | ug/l   | 83       |
| 47) n-amyl Acetate            | 12.500 | 43   | 70862    | 19.572  | ug/l   | 92       |
| 48) t-1,3-Dichloropropene     | 10.841 | 75   | 61367    | 19.850  | ug/l   | 93       |
| 49) cis-1,3-Dichloropropene   | 10.318 | 75   | 71093    | 20.677  | ug/l   | 93       |
| 50) 1,1,2-Trichloroethane     | 11.024 | 97   | 39117    | 18.946  | ug/l   | 95       |
| 51) Ethyl methacrylate        | 10.882 | 69   | 56386    | 19.483  | ug/l   | 82       |
| 52) 1,3-Dichloropropane       | 11.171 | 76   | 72319    | 20.399  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.365 | 129  | 43380    | 20.131  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.476 | 107  | 40986    | 20.319  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether | 10.165 | 63   | 104289   | 97.713  | ug/l   | 98       |
| 56) Bromoform                 | 12.582 | 173  | 26207    | 19.427  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 287579   | 98.594  | ug/l # | 91       |
| 59) 2-Hexanone                | 11.200 | 43   | 196158   | 96.777  | ug/l   | 90       |
| 61) Tetrachloroethene         | 11.106 | 164  | 38706    | 22.295  | ug/l   | 89       |
| 62) Toluene                   | 10.635 | 91   | 188080   | 21.052  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.894 | 112  | 106223   | 20.309  | ug/l   | 95       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 41882    | 20.784  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.971 | 91   | 188454   | 20.311  | ug/l   | 98       |
| 67) m/p-Xylenes               | 12.076 | 106  | 145772   | 42.847  | ug/l   | 96       |
| 68) o-Xylene                  | 12.406 | 106  | 70294    | 20.758  | ug/l   | 99       |
| 69) Styrene                   | 12.418 | 104  | 108662   | 21.000  | ug/l   | 100      |
| 70) Isopropylbenzene          | 12.700 | 105  | 173495   | 20.742  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 57732    | 20.368  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 66726    | 26.969  | ug/l   | 56       |
| 73) Bromobenzene              | 12.988 | 156  | 40089    | 20.053  | ug/l   | 97       |
| 74) n-propylbenzene           | 13.041 | 91   | 191941   | 20.737  | ug/l   | 98       |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 118779   | 20.600  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 139419   | 20.986  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.741 | 75   | 15030    | 19.354  | ug/l   | 83       |
| 78) 4-Chlorotoluene           | 13.229 | 91   | 109647   | 20.498  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.441 | 119  | 111047   | 20.373  | ug/l   | 93       |
| 80) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 128829   | 20.550  | ug/l   | 95       |
| 81) sec-Butylbenzene          | 13.623 | 105  | 150172   | 20.579  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.735 | 119  | 115329   | 20.177  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.741 | 146  | 62906    | 20.361  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.817 | 146  | 61686    | 20.907  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.065 | 91   | 80322    | 19.096  | ug/l   | 97       |
| 86) Hexachloroethane          | 14.335 | 117  | 25481    | 21.163  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 14.112 | 146  | 63741    | 20.970  | ug/l   | 93       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.729 | 75   | 7351     | 18.259  | ug/l   | 95       |
| 89) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 13683    | 16.264  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 15.506 | 225  | 11611    | 18.746  | ug/l   | 98       |
| 91) Naphthalene               | 15.647 | 128  | 38715    | 14.716  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 15994    | 16.209  | ug/l   | 93       |

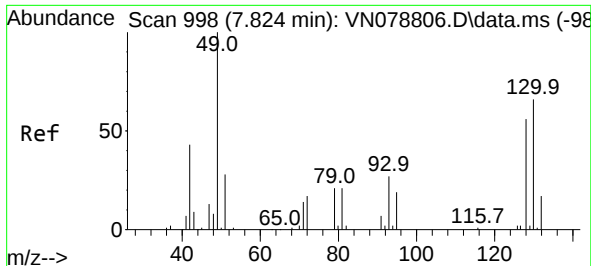
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDCCC020  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

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ClientSampleId :  
VSTDCCC020

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QLast Update : Wed Aug 09 05:05:47 2023  
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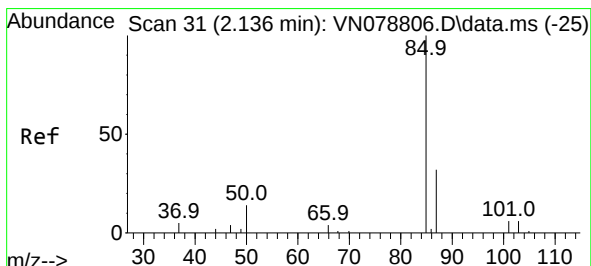
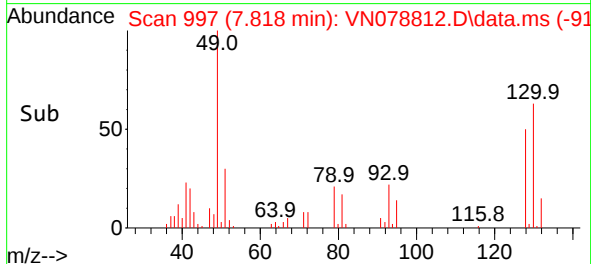
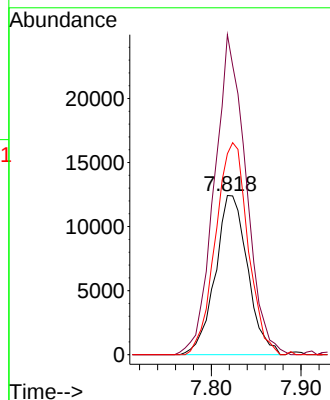
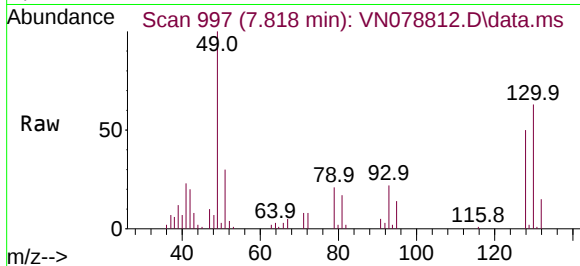




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

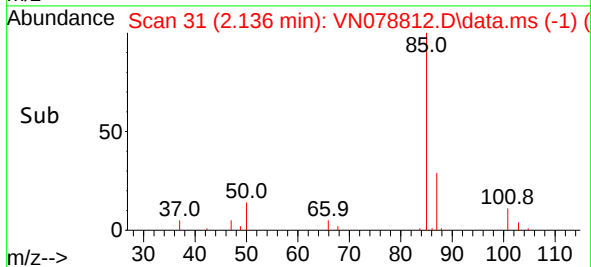
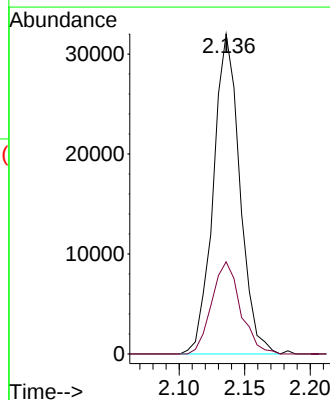
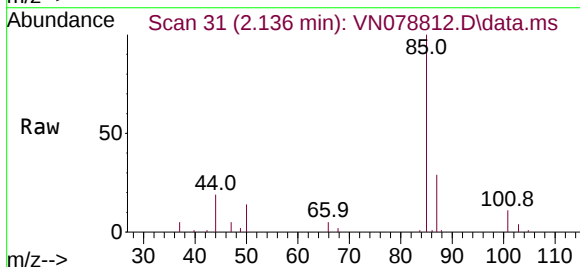
Instrument :  
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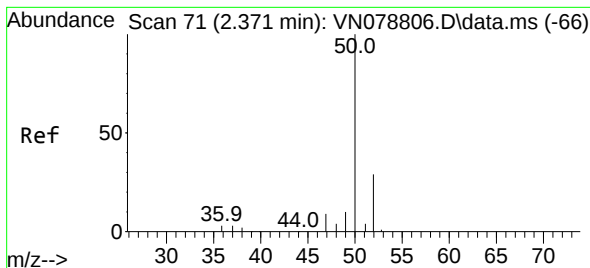
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|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 31046 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 196.2 | 0.0   | 370.8 |
| 130      | 133.8 | 0.0   | 307.0 |



#2  
Dichlorodifluoromethane  
Concen: 21.084 ug/l  
RT: 2.136 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 45121 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 28.8  | 16.4  | 49.4  |





#3

Chloromethane

Concen: 20.586 ug/l

RT: 2.371 min Scan# 71

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

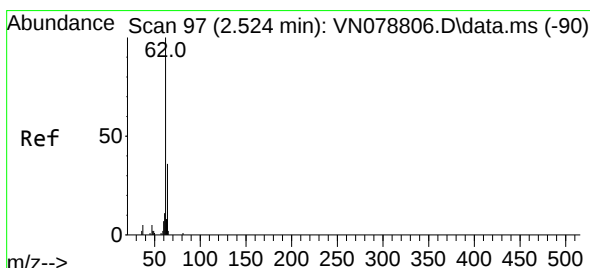
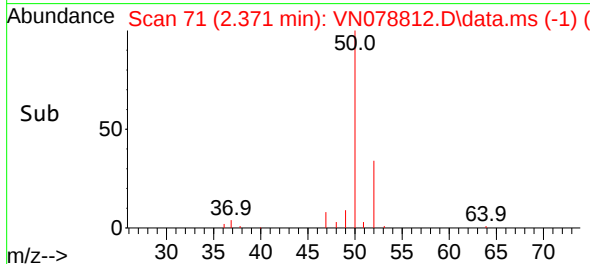
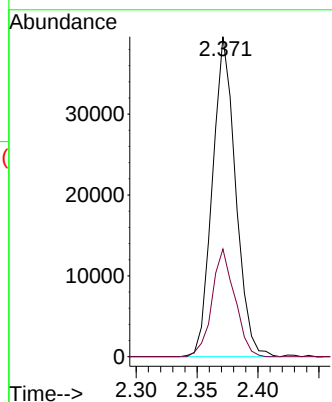
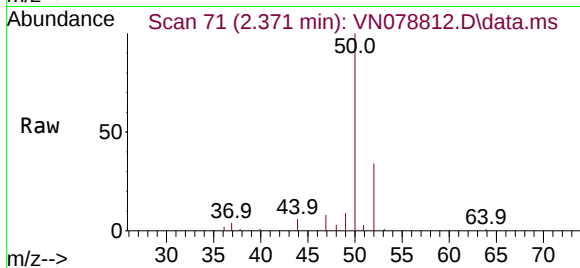
VSTDCCC020

Tgt Ion: 50 Resp: 52459

Ion Ratio Lower Upper

50 100

52 33.7 24.6 36.8



#4

Vinyl Chloride

Concen: 20.040 ug/l

RT: 2.524 min Scan# 97

Delta R.T. -0.000 min

Lab File: VN078812.D

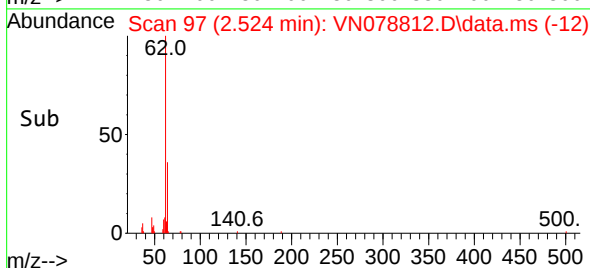
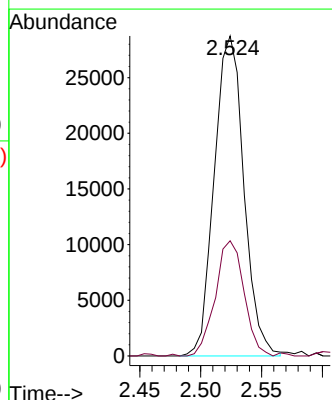
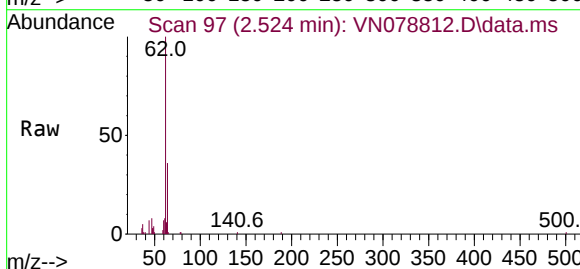
Acq: 09 Aug 2023 11:19

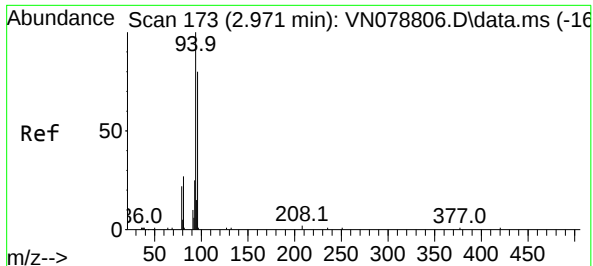
Tgt Ion: 62 Resp: 48595

Ion Ratio Lower Upper

62 100

64 36.0 23.3 34.9

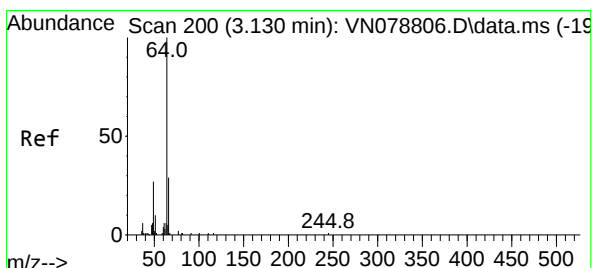
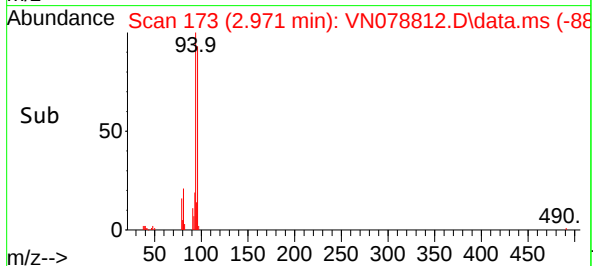
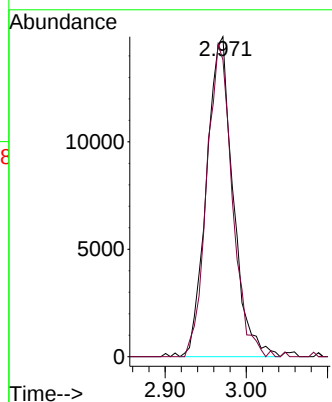
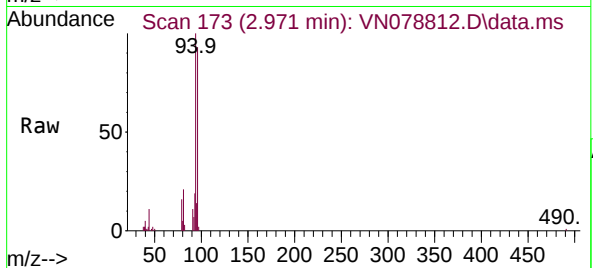




#5  
Bromomethane  
Concen: 19.229 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

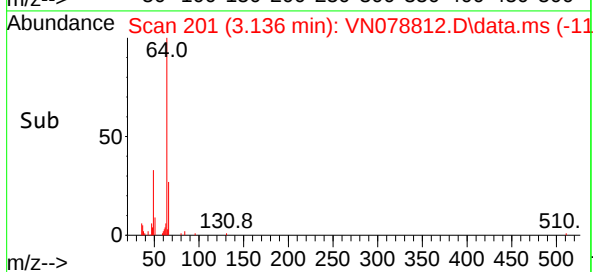
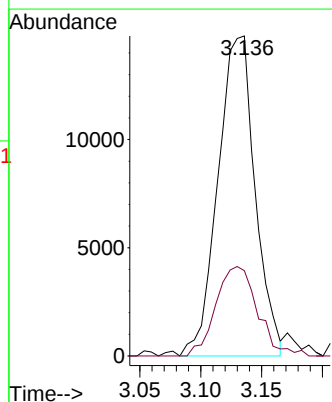
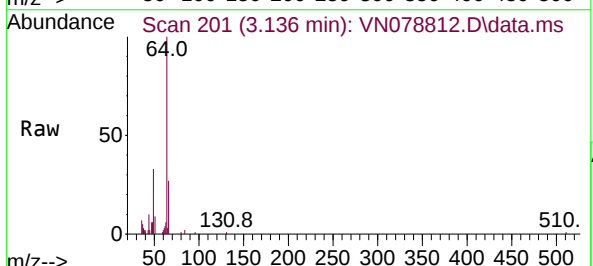
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

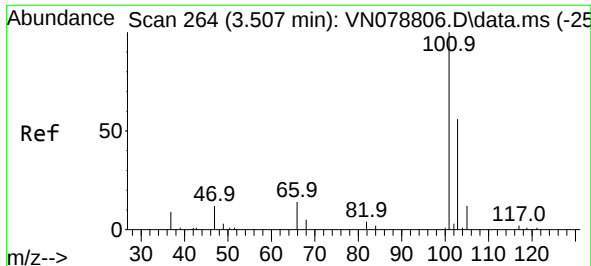
Tgt Ion: 94 Resp: 33919  
Ion Ratio Lower Upper  
94 100  
96 92.8 73.9 110.9



#6  
Chloroethane  
Concen: 18.241 ug/l  
RT: 3.136 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 64 Resp: 31420  
Ion Ratio Lower Upper  
64 100  
66 26.6 25.7 38.5

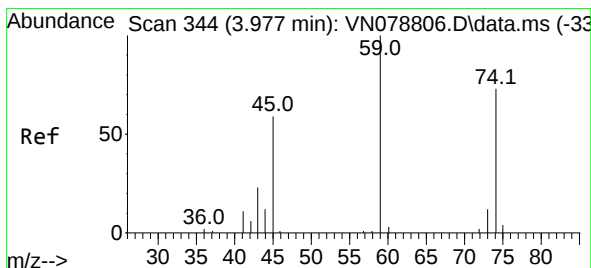
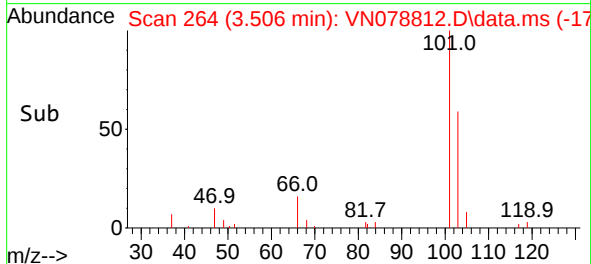
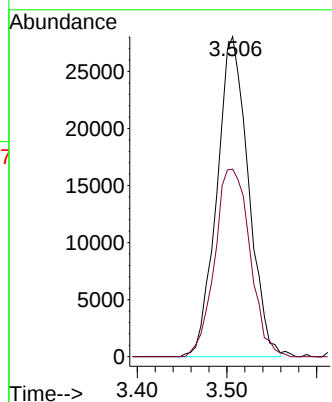
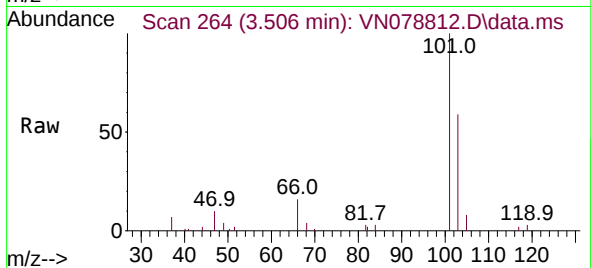




#7  
 Trichlorofluoromethane  
 Concen: 20.523 ug/l  
 RT: 3.506 min Scan# 2  
 Delta R.T. -0.000 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

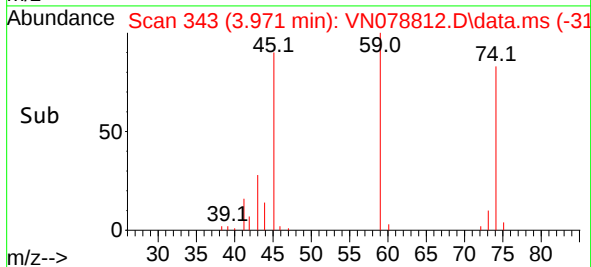
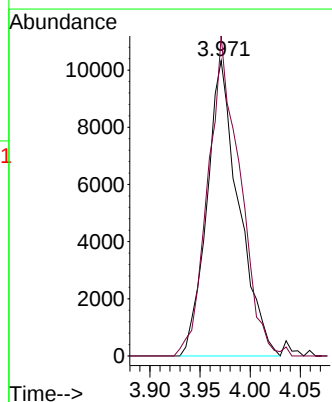
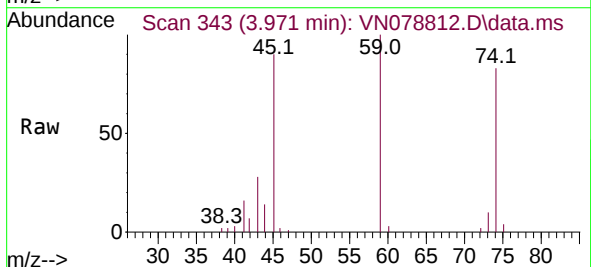
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

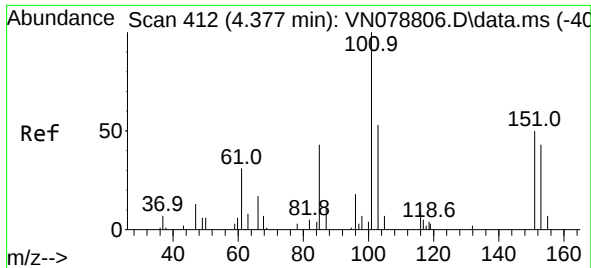
Tgt Ion:101 Resp: 68304  
 Ion Ratio Lower Upper  
 101 100  
 103 58.6 50.4 75.6



#8  
 Diethyl Ether  
 Concen: 19.330 ug/l  
 RT: 3.971 min Scan# 343  
 Delta R.T. -0.006 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

Tgt Ion: 74 Resp: 22876  
 Ion Ratio Lower Upper  
 74 100  
 45 108.3 16.3 146.5

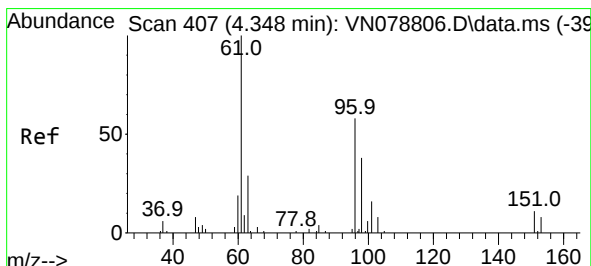
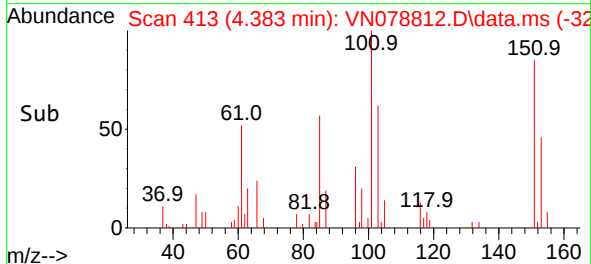
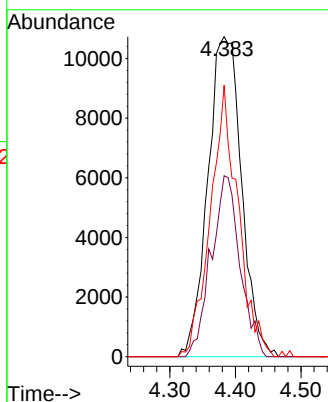
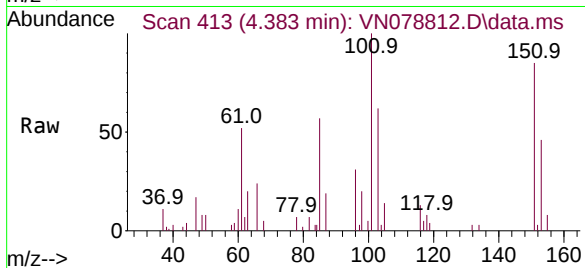




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 21.488 ug/l  
 RT: 4.383 min Scan# 411  
 Delta R.T. 0.006 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

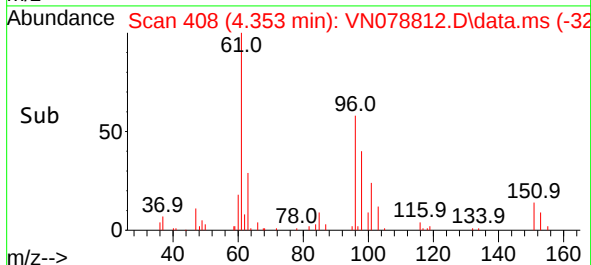
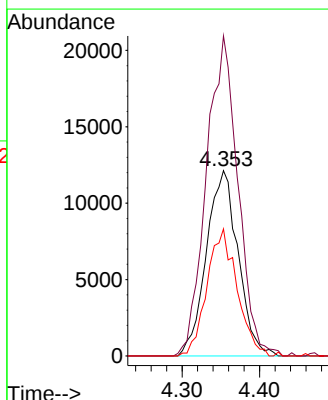
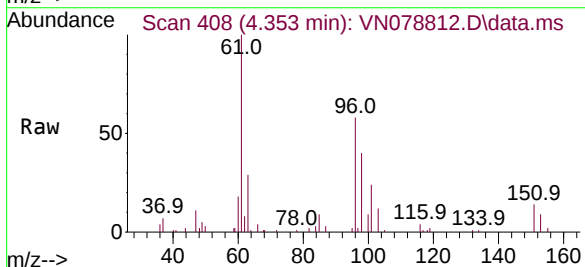
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

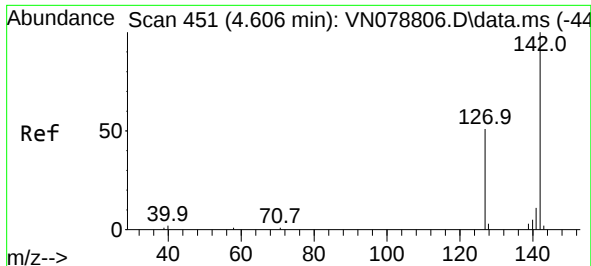
Tgt Ion:101 Resp: 38365  
 Ion Ratio Lower Upper  
 101 100  
 85 48.4 0.0 89.2  
 151 69.8 0.0 148.8



#10  
 1,1-Dichloroethene  
 Concen: 20.001 ug/l  
 RT: 4.353 min Scan# 408  
 Delta R.T. 0.006 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

Tgt Ion: 96 Resp: 34582  
 Ion Ratio Lower Upper  
 96 100  
 61 171.3 123.4 185.2  
 98 68.6 53.7 80.5

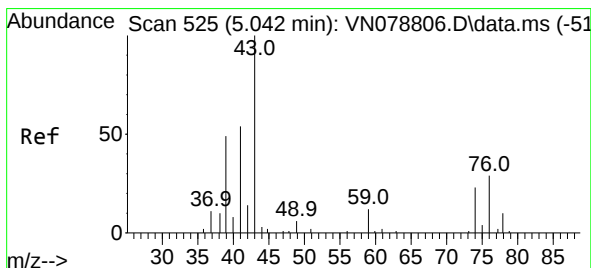
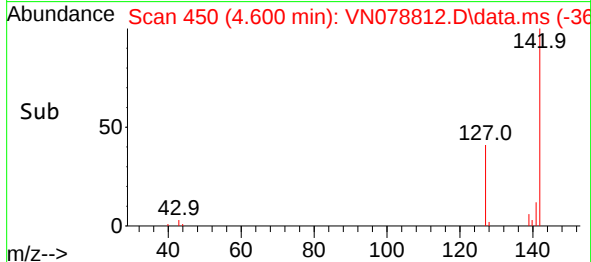
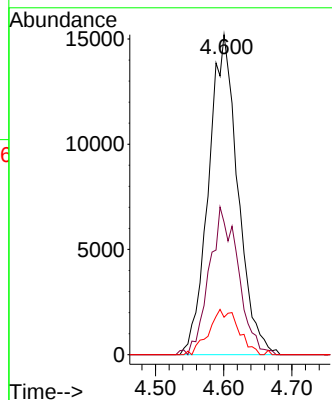
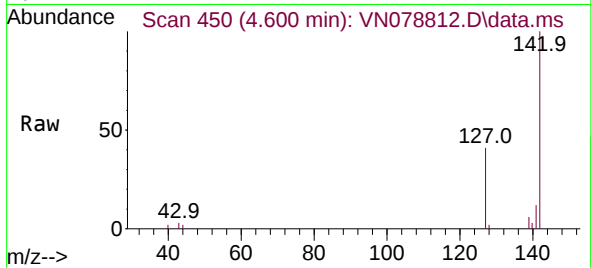




#11  
Methyl Iodide  
Concen: 19.744 ug/l  
RT: 4.600 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

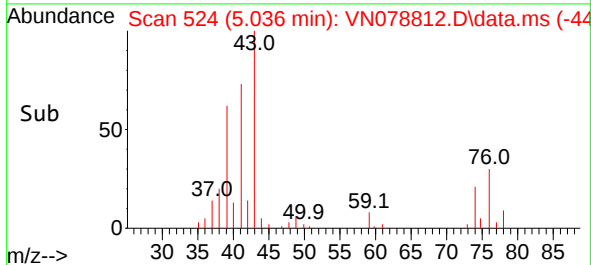
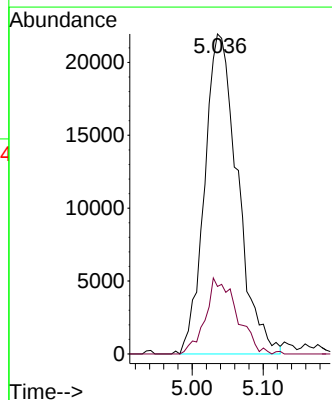
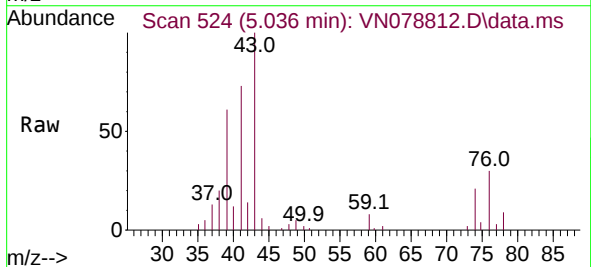
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

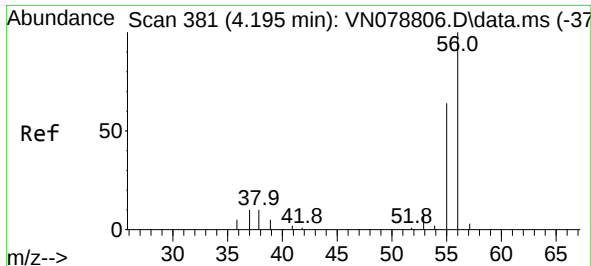
Tgt Ion:142 Resp: 45537  
Ion Ratio Lower Upper  
142 100  
127 40.8 23.2 69.5  
141 11.7 7.2 21.7



#12  
Methyl Acetate  
Concen: 18.877 ug/l  
RT: 5.036 min Scan# 524  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 43 Resp: 70938  
Ion Ratio Lower Upper  
43 100  
74 21.0 20.5 30.7





#13

Acrolein

Concen: 79.984 ug/l

RT: 4.195 min Scan# 381

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

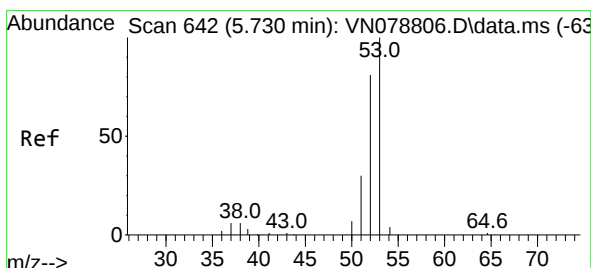
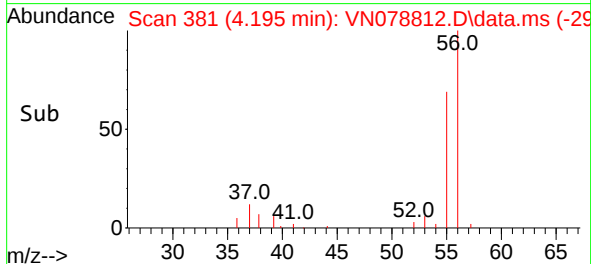
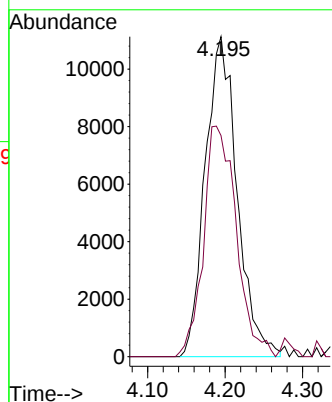
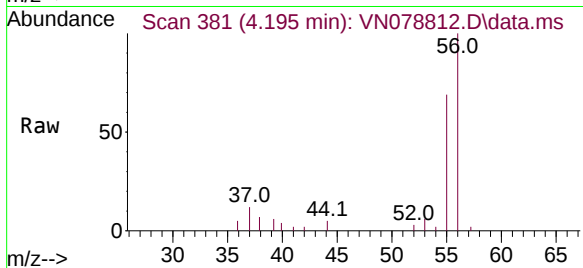
VSTDCCC020

Tgt Ion: 56 Resp: 31836

Ion Ratio Lower Upper

56 100

55 73.9 59.0 88.4



#14

Acrylonitrile

Concen: 54.362 ug/l

RT: 5.730 min Scan# 642

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

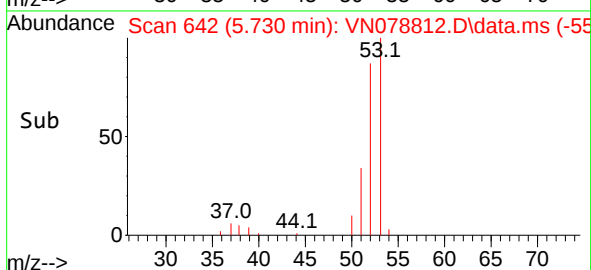
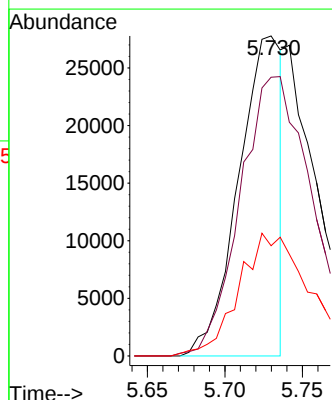
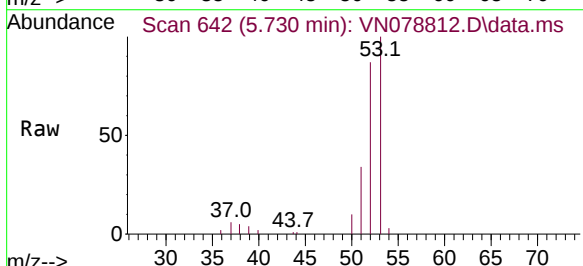
Tgt Ion: 53 Resp: 53830

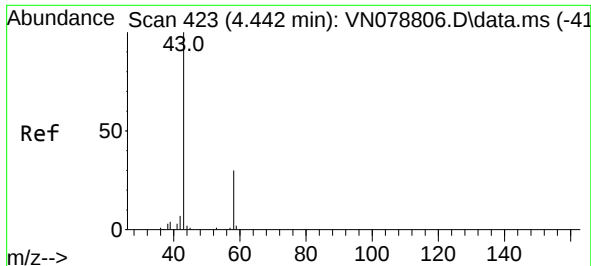
Ion Ratio Lower Upper

53 100

52 149.0 42.3 126.9#

51 64.9 18.4 55.4#





#15

Acetone

Concen: 56.397 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

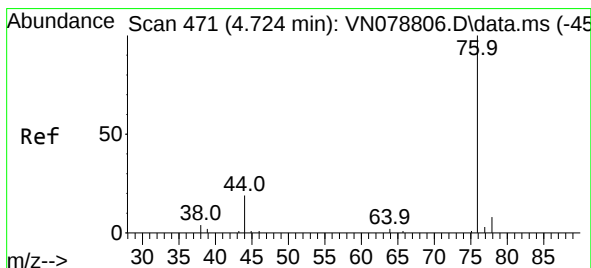
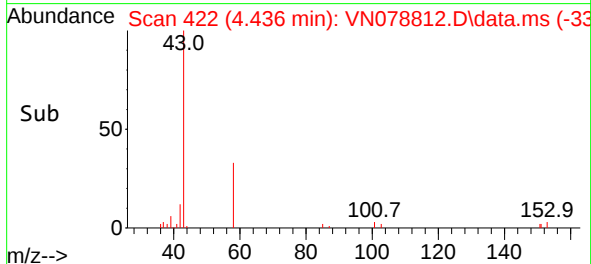
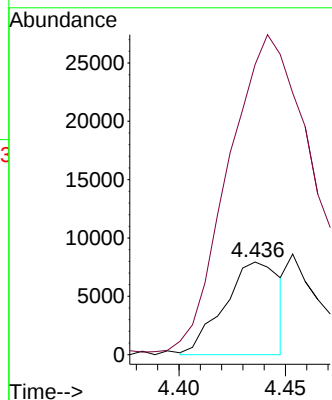
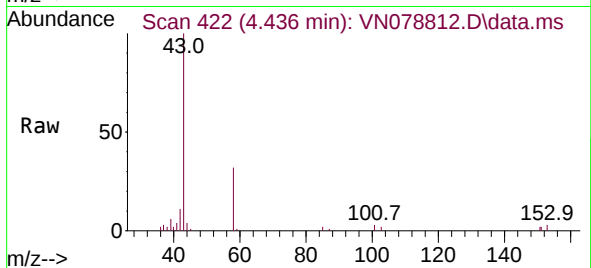
VSTDCCC020

Tgt Ion: 58 Resp: 14389

Ion Ratio Lower Upper

58 100

43 305.1 227.5 341.3



#16

Carbon Disulfide

Concen: 20.571 ug/l

RT: 4.724 min Scan# 471

Delta R.T. -0.000 min

Lab File: VN078812.D

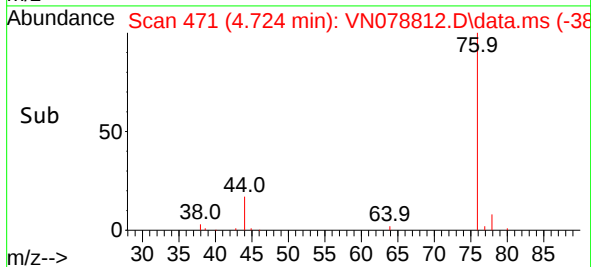
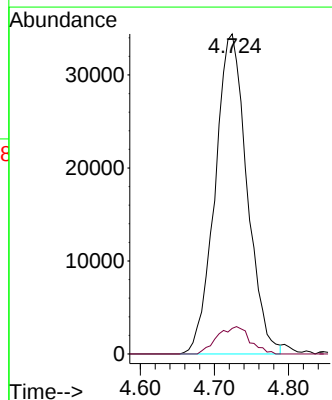
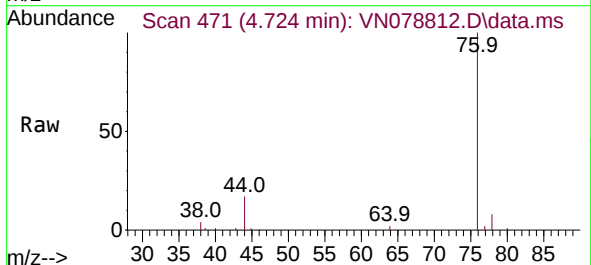
Acq: 09 Aug 2023 11:19

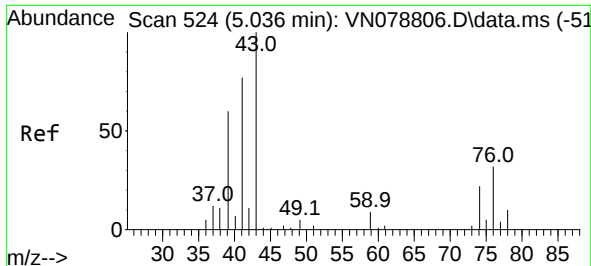
Tgt Ion: 76 Resp: 102960

Ion Ratio Lower Upper

76 100

78 8.0 7.7 11.5





#17

Allyl chloride

Concen: 9.071 ug/l

RT: 5.030 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

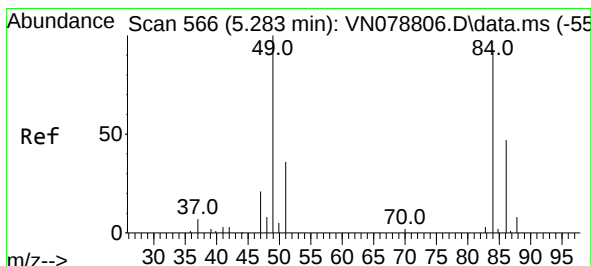
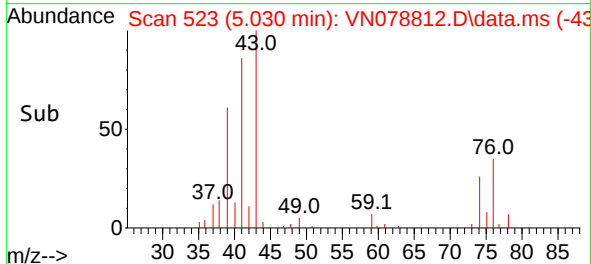
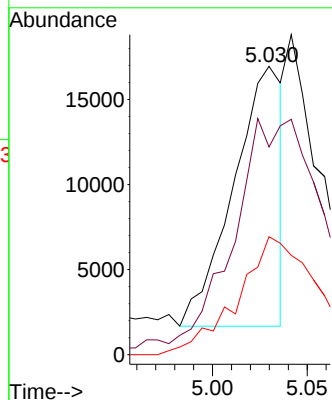
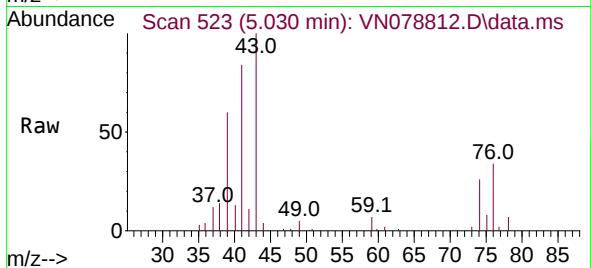
Tgt Ion: 41 Resp: 27414

Ion Ratio Lower Upper

41 100

39 72.5 37.6 112.8

76 42.4 23.8 71.4



#18

Methylene Chloride

Concen: 20.549 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Tgt Ion: 84 Resp: 44338

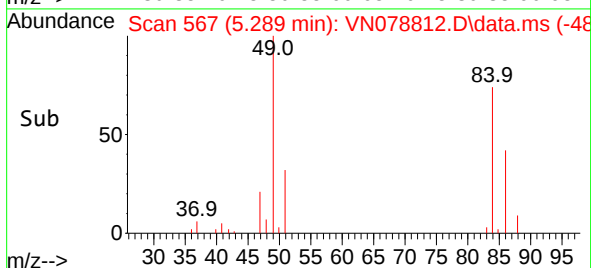
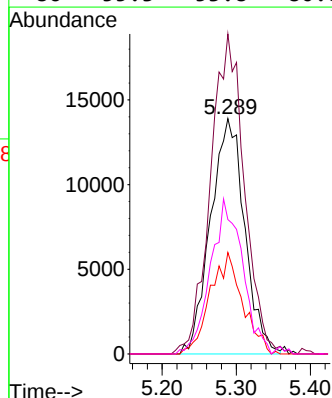
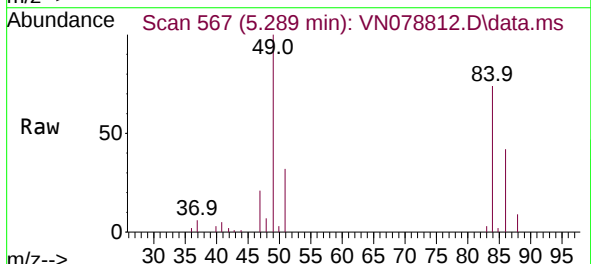
Ion Ratio Lower Upper

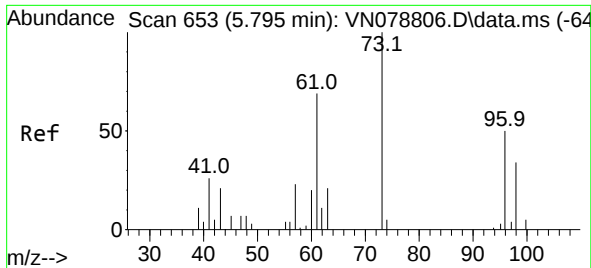
84 100

49 132.7 88.1 132.1#

51 43.1 24.0 36.0#

86 55.3 53.8 80.8

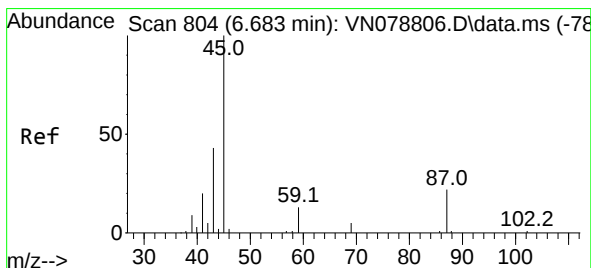
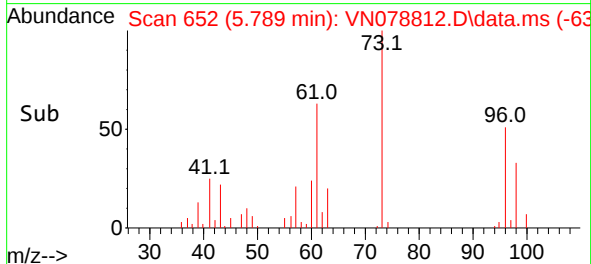
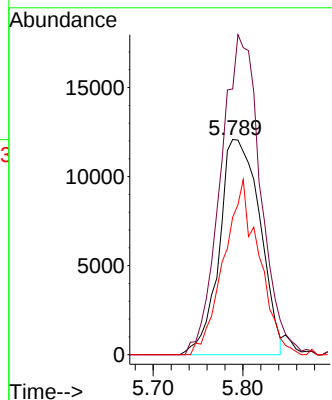
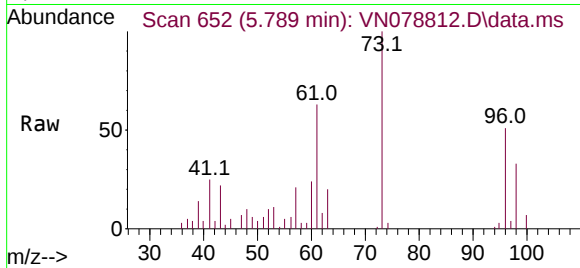




#19  
trans-1,2-Dichloroethene  
Concen: 19.102 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

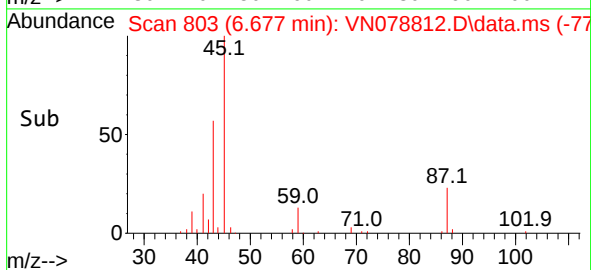
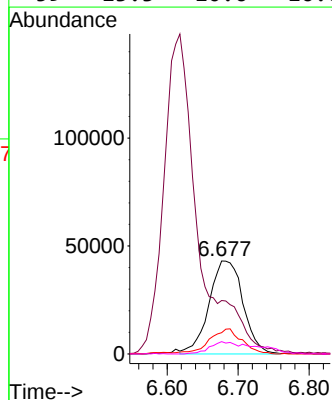
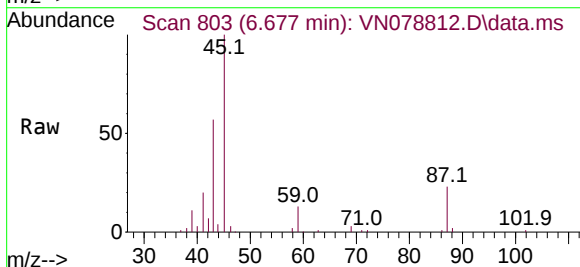
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

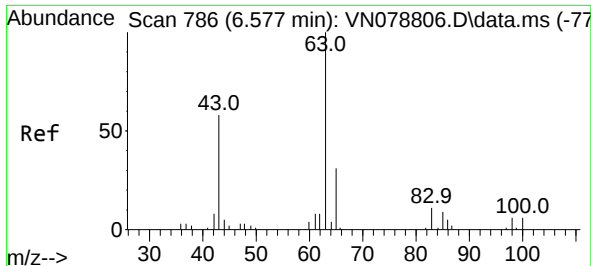
Tgt Ion: 96 Resp: 37921  
Ion Ratio Lower Upper  
96 100  
61 123.5 105.2 157.8  
98 63.9 50.5 75.7



#20  
Diisopropyl ether  
Concen: 21.063 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 45 Resp: 142946  
Ion Ratio Lower Upper  
45 100  
43 53.7 43.6 65.4  
87 23.0 25.8 38.6#  
59 13.3 10.6 16.0





#21

1,1-Dichloroethane

Concen: 20.792 ug/l

RT: 6.577 min Scan# 786

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

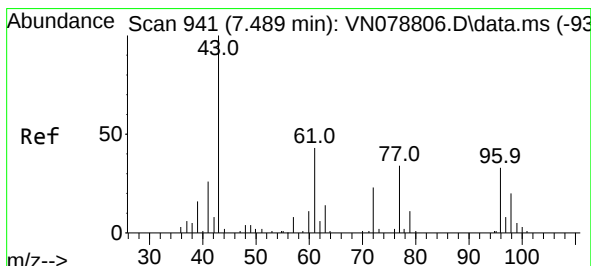
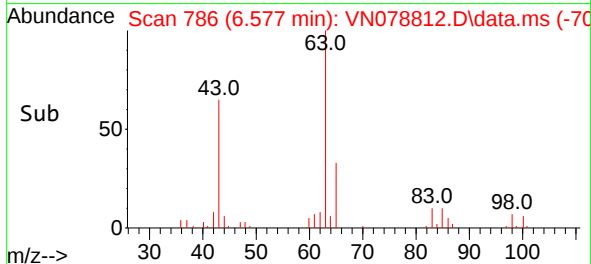
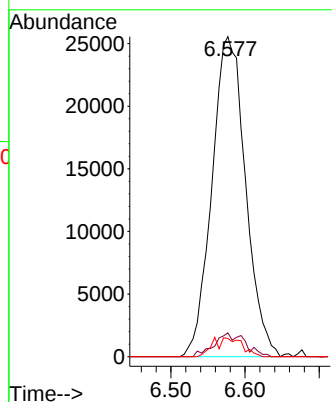
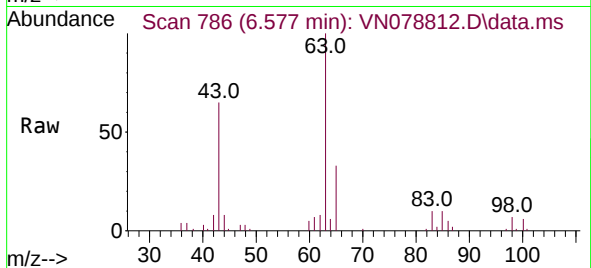
Tgt Ion: 63 Resp: 80450

Ion Ratio Lower Upper

63 100

98 7.5 2.7 8.1

100 5.7 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 20.465 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

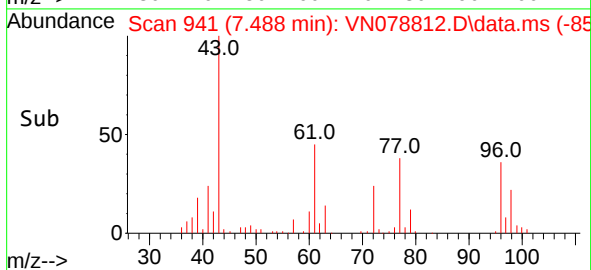
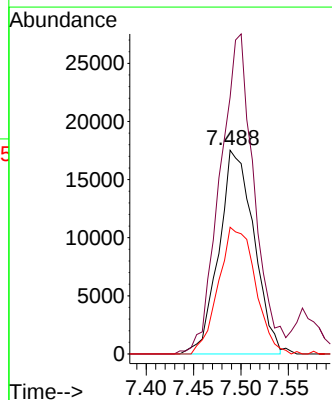
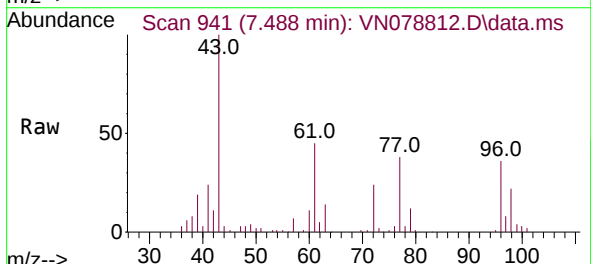
Tgt Ion: 96 Resp: 45031

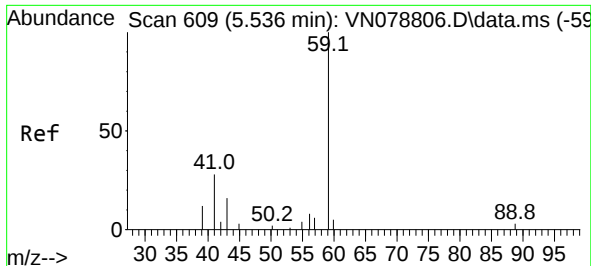
Ion Ratio Lower Upper

96 100

61 153.5 113.8 170.6

98 65.3 52.2 78.4

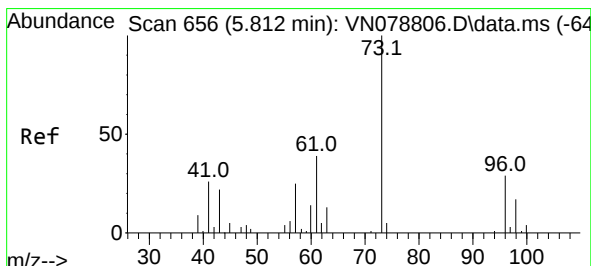
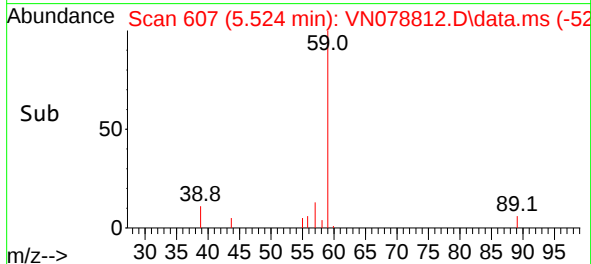
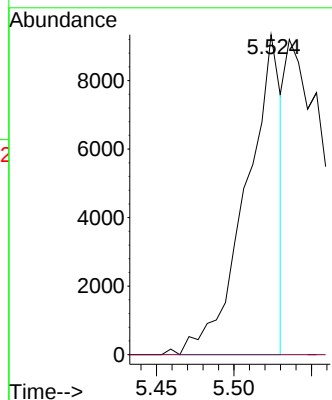
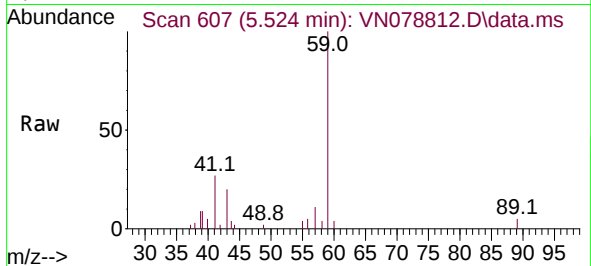




#23  
tert-Butyl Alcohol  
Concen: 40.073 ug/l  
RT: 5.524 min Scan# 609  
Delta R.T. -0.012 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

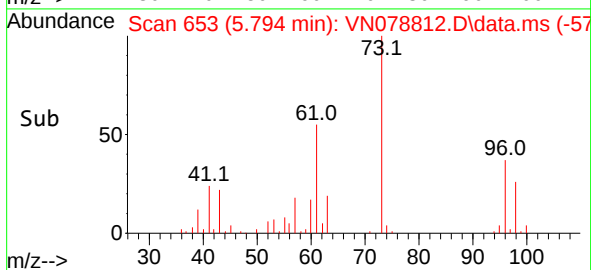
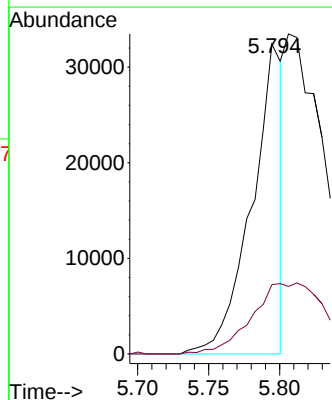
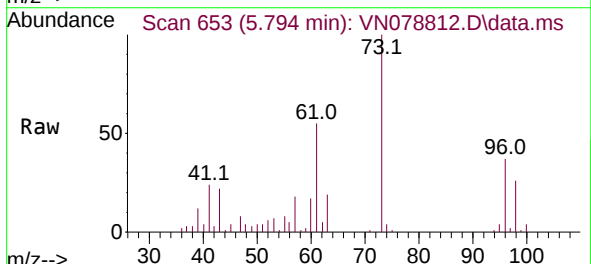
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

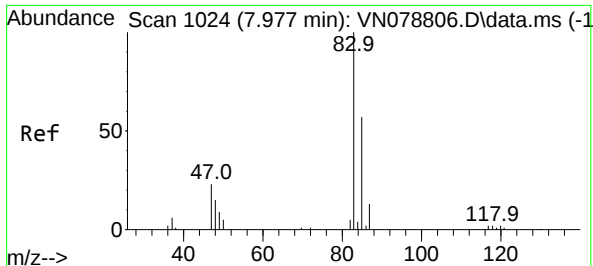
Tgt Ion: 59 Resp: 14745  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.1 0.1#



#24  
Methyl tert-Butyl Ether  
Concen: 8.396 ug/l  
RT: 5.794 min Scan# 653  
Delta R.T. -0.018 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 73 Resp: 48586  
Ion Ratio Lower Upper  
73 100  
43 29.4 14.5 21.7#





#25

Chloroform

Concen: 21.140 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

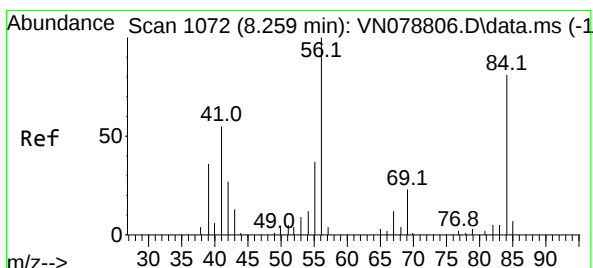
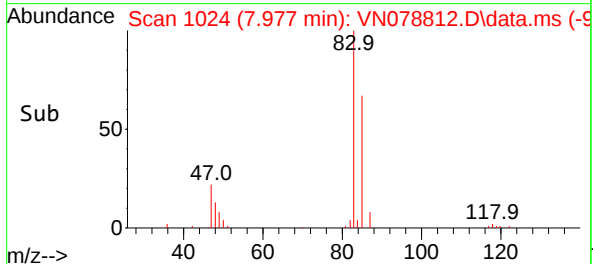
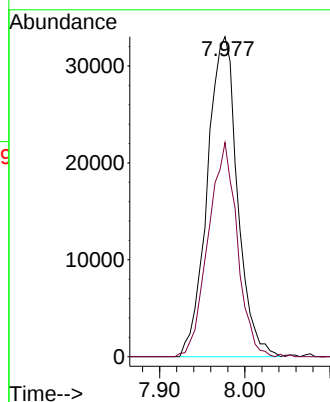
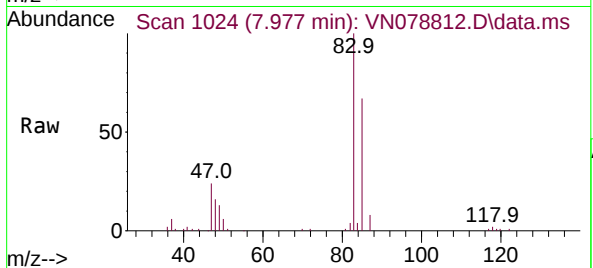
VSTDCCC020

Tgt Ion: 83 Resp: 81205

Ion Ratio Lower Upper

83 100

85 66.1 53.4 80.0



#26

Cyclohexane

Concen: 21.526 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

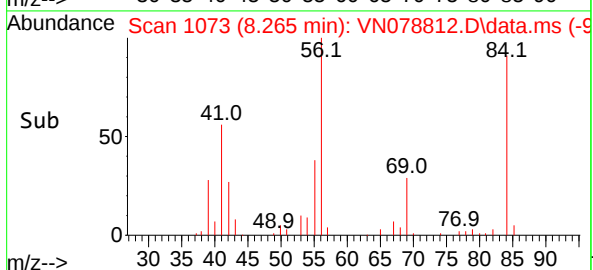
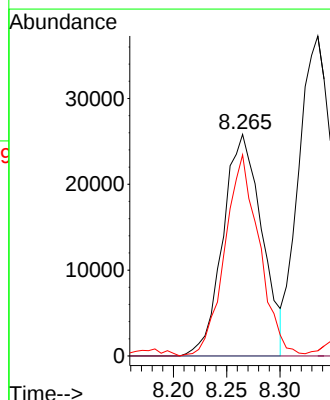
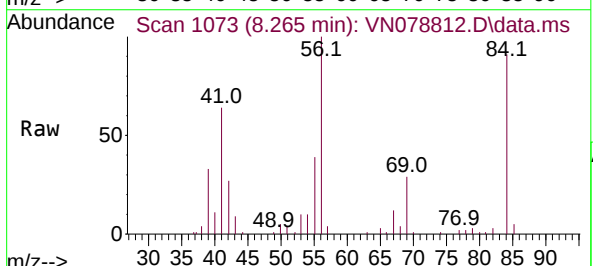
Tgt Ion: 56 Resp: 65602

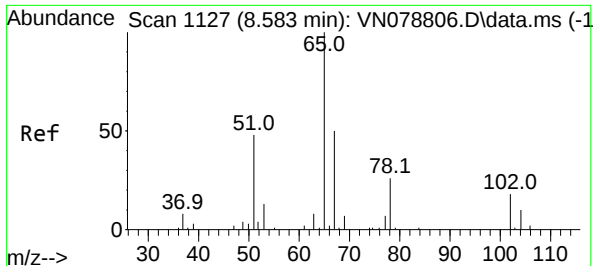
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 80.4 74.2 111.4

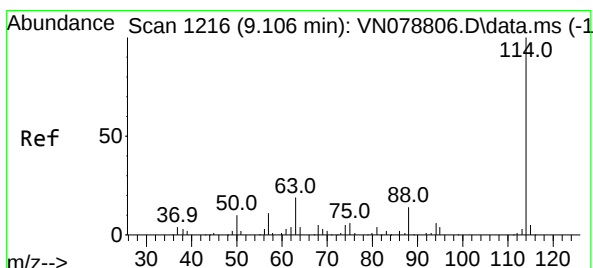
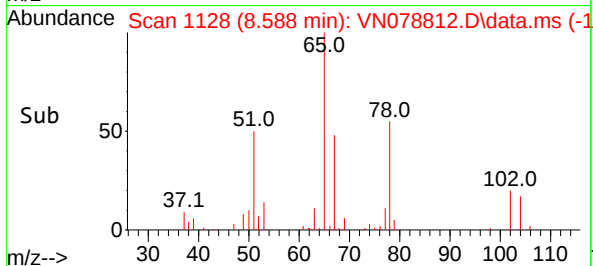
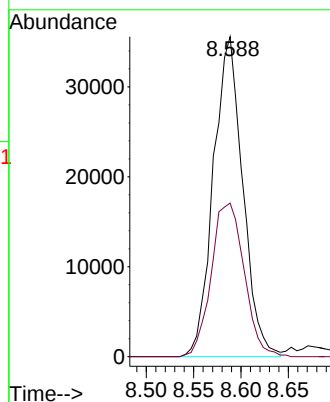
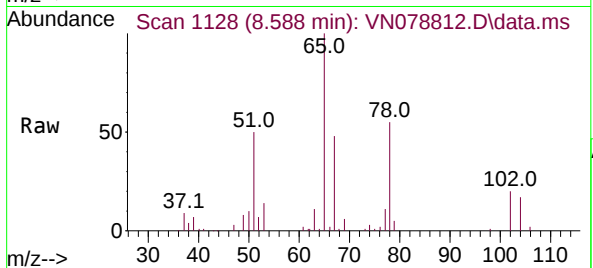




#27  
 1,2-Dichloroethane-d4  
 Concen: 30.725 ug/l  
 RT: 8.588 min Scan# 1127  
 Delta R.T. 0.006 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

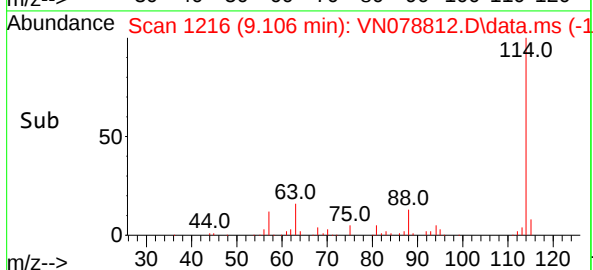
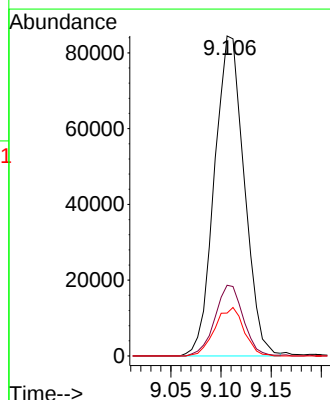
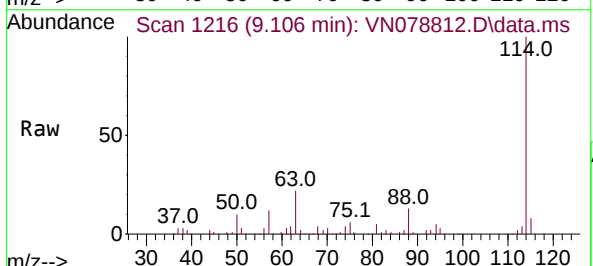
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

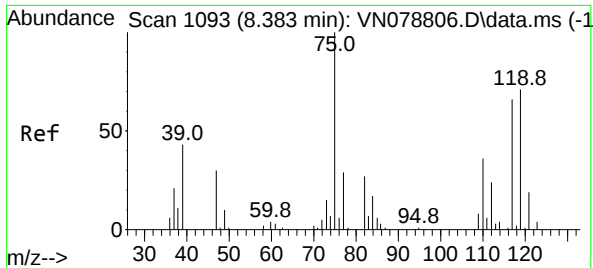
Tgt Ion: 65 Resp: 76796  
 Ion Ratio Lower Upper  
 65 100  
 67 53.7 42.9 64.3



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.106 min Scan# 1216  
 Delta R.T. -0.000 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

Tgt Ion: 114 Resp: 174472  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 15.2 22.8  
 88 14.7 12.5 18.7



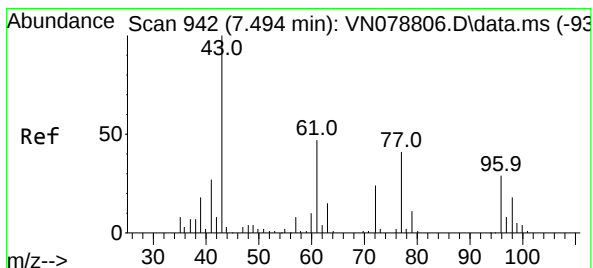
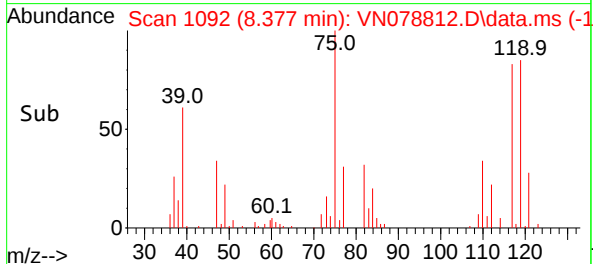
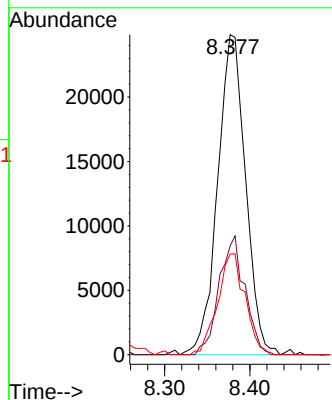
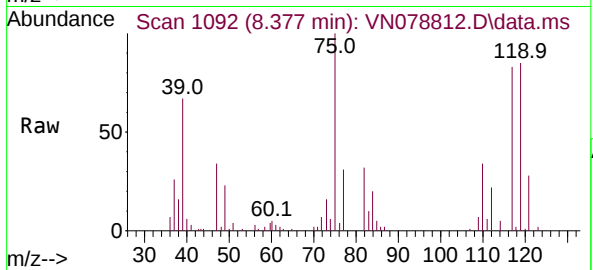


#29  
1,1-Dichloropropene  
Concen: 19.960 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 75 Resp: 56577

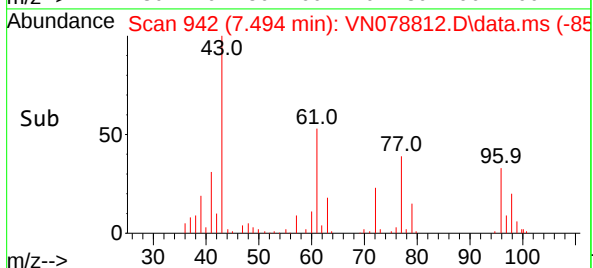
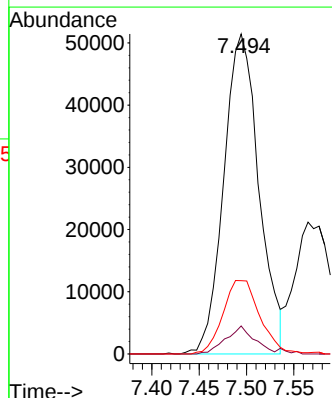
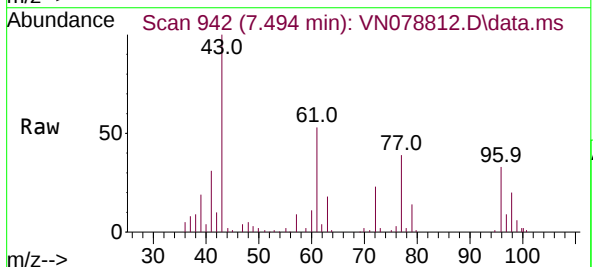
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 34.3  | 0.0   | 72.2  |
| 77  | 31.0  | 0.0   | 62.8  |

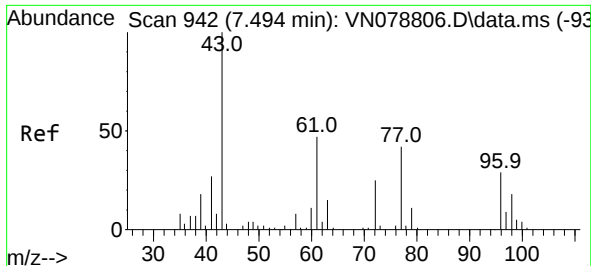


#30  
2-Butanone  
Concen: 95.734 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 43 Resp: 133005

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 57  | 7.1   | 6.8   | 10.2  |
| 72  | 24.1  | 23.8  | 35.6  |

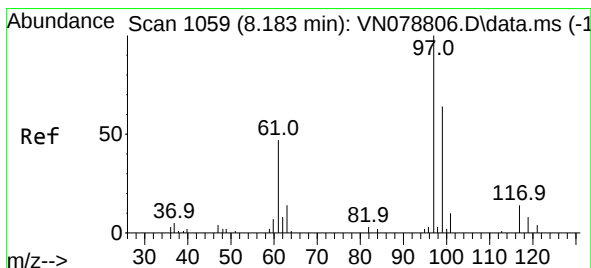
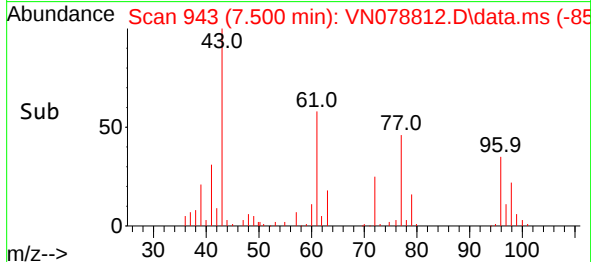
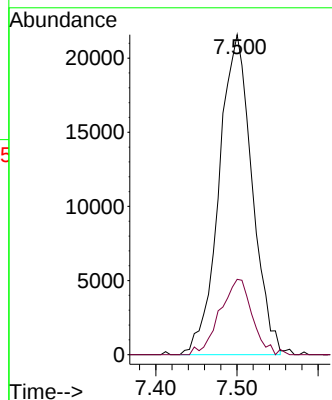
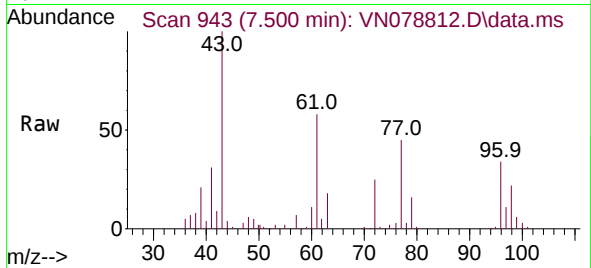




#31  
2,2-Dichloropropane  
Concen: 20.887 ug/l  
RT: 7.500 min Scan# 94  
Delta R.T. 0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

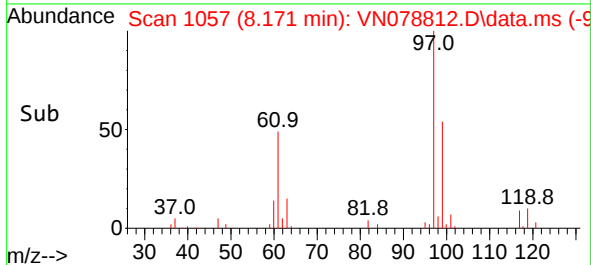
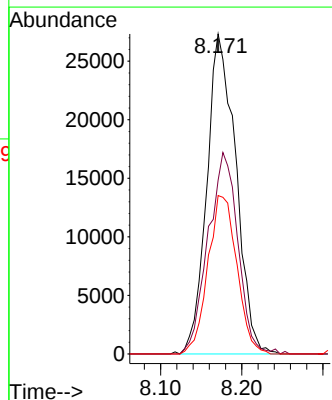
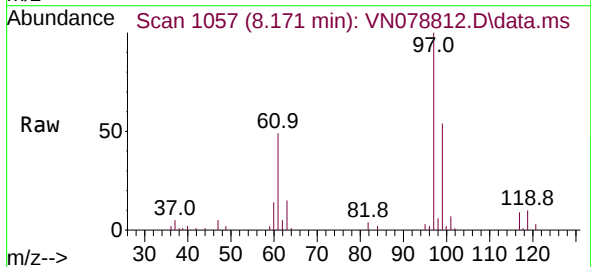
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

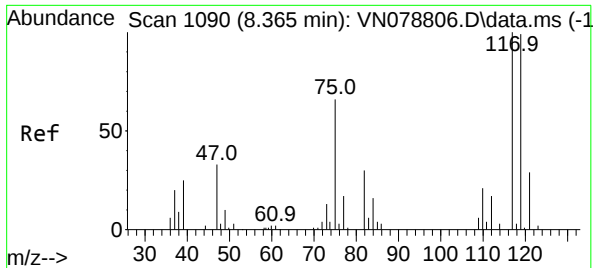
Tgt Ion: 77 Resp: 61050  
Ion Ratio Lower Upper  
77 100  
97 22.3 18.8 28.2



#32  
1,1,1-Trichloroethane  
Concen: 20.323 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.012 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 97 Resp: 67840  
Ion Ratio Lower Upper  
97 100  
99 64.5 51.3 76.9  
61 49.4 34.6 52.0

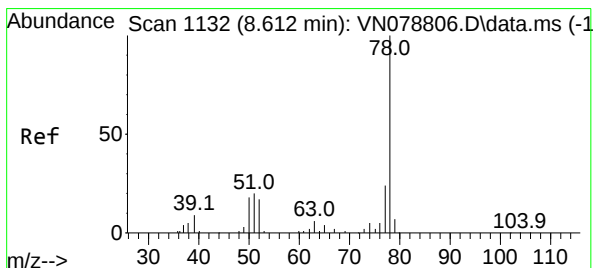
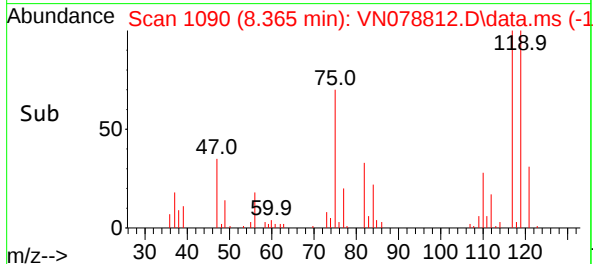
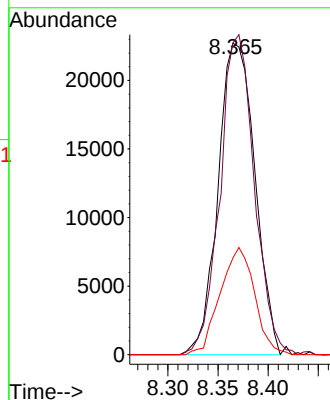
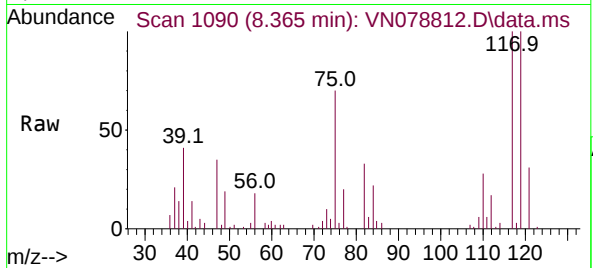




#33  
Carbon Tetrachloride  
Concen: 20.133 ug/l  
RT: 8.365 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

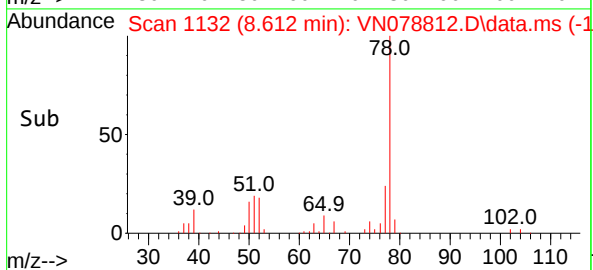
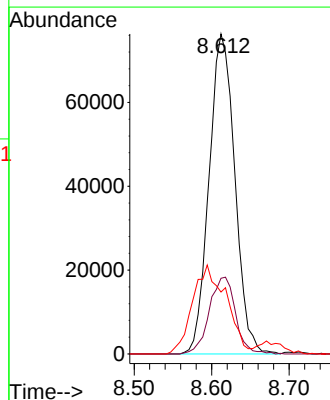
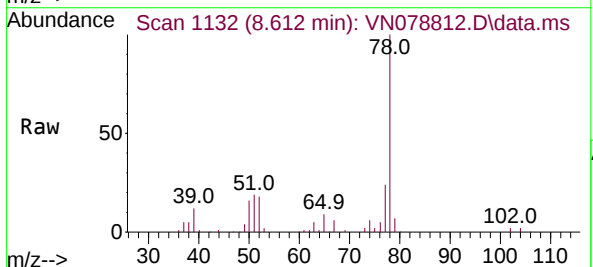
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

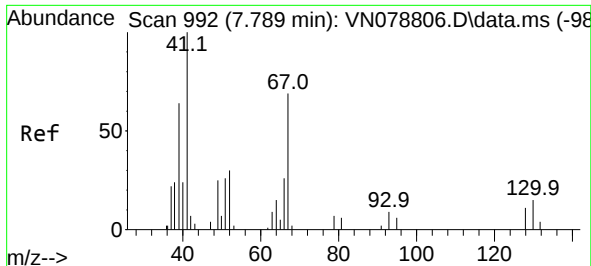
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 58003 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 100.1 | 81.4  | 122.0 |
| 121      | 31.0  | 23.6  | 35.4  |



#34  
Benzene  
Concen: 20.473 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 176573 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 23.7  | 18.3  | 27.5   |
| 51       | 16.2  | 13.7  | 20.5   |

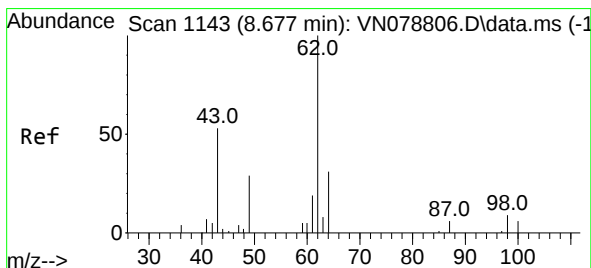
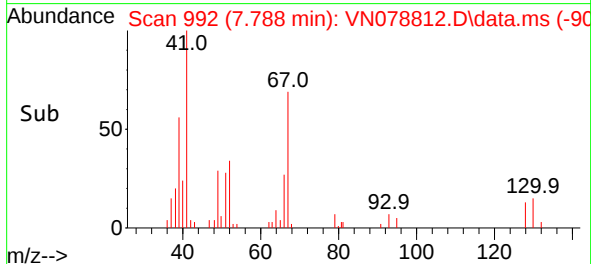
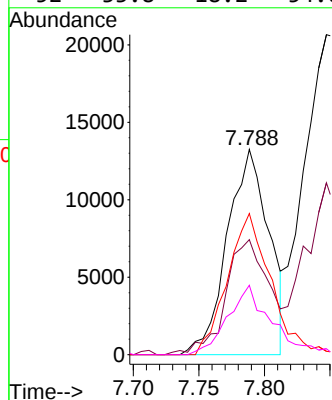
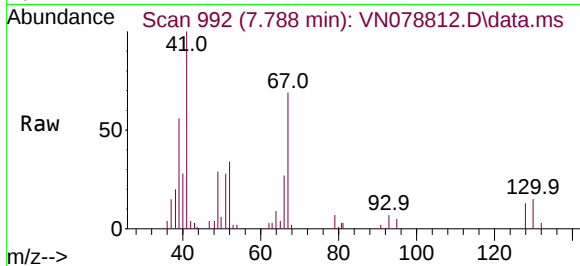




#35  
Methacrylonitrile  
Concen: 17.956 ug/l  
RT: 7.788 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

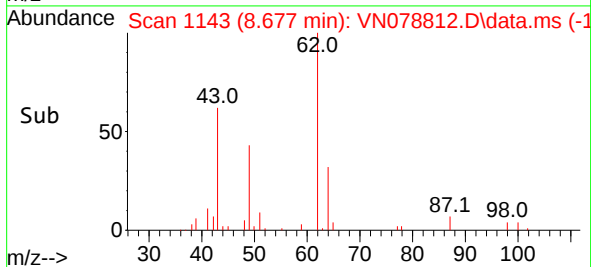
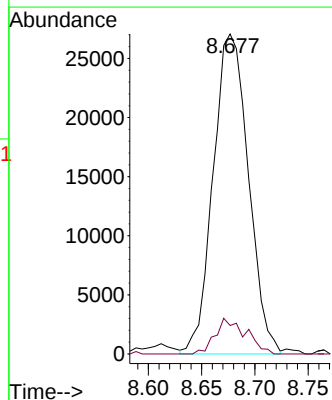
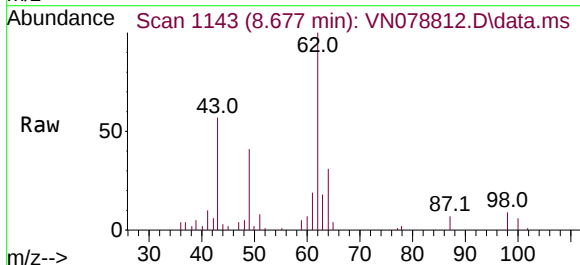
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

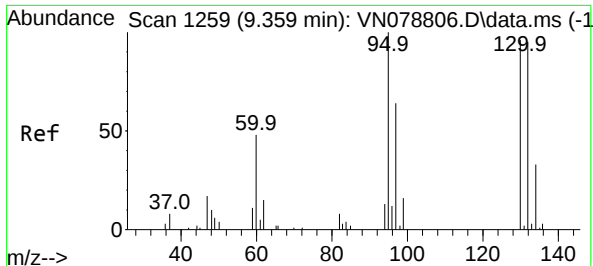
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 29293 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.1  | 33.9  | 101.6 |
| 67       | 68.8  | 45.9  | 137.6 |
| 52       | 33.8  | 18.2  | 54.6  |



#36  
1,2-Dichloroethane  
Concen: 20.673 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 62329 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.7   | 7.4   | 11.0  |





#37

Trichloroethene

Concen: 19.325 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

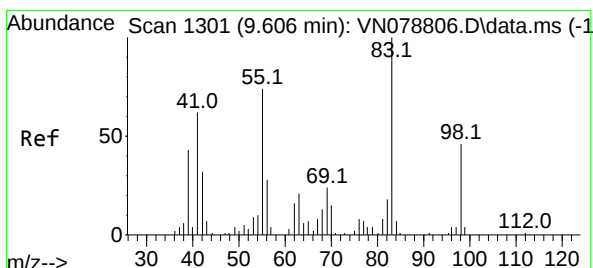
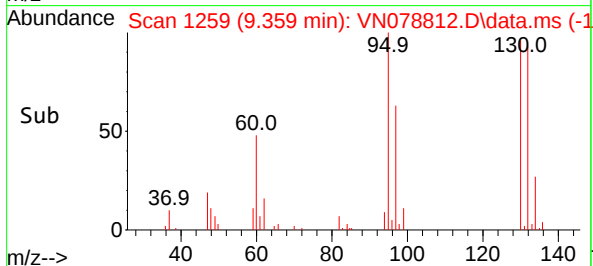
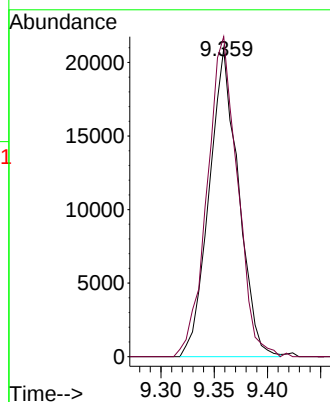
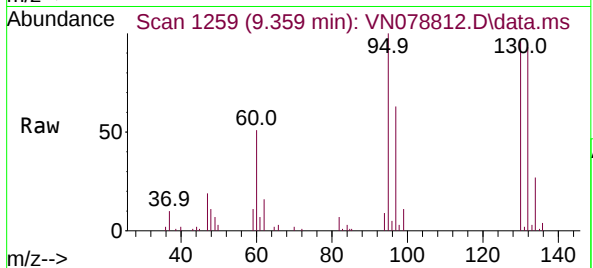
VSTDCCC020

Tgt Ion:130 Resp: 40107

Ion Ratio Lower Upper

130 100

95 103.9 78.2 117.4



#38

Methylcyclohexane

Concen: 20.577 ug/l

RT: 9.612 min Scan# 1302

Delta R.T. 0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

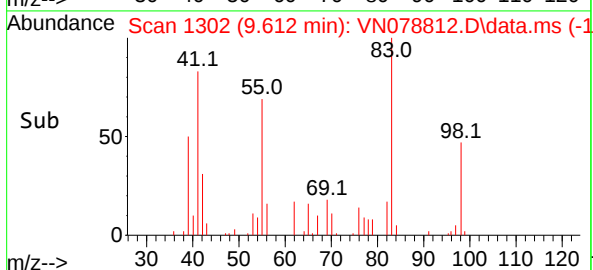
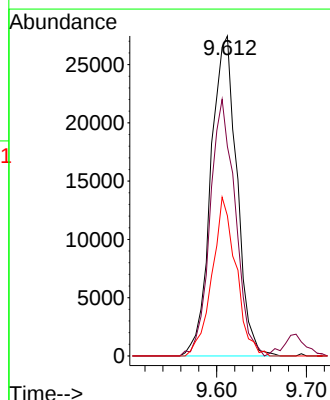
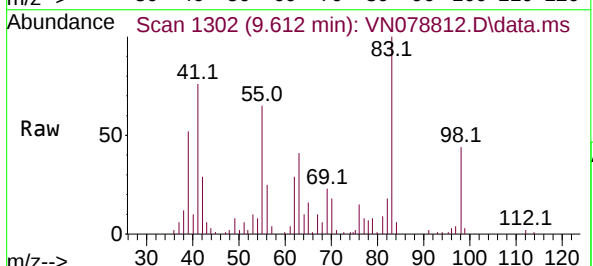
Tgt Ion: 83 Resp: 55221

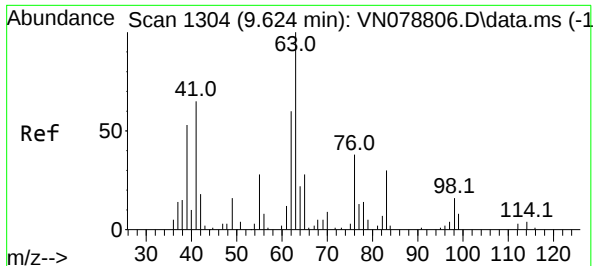
Ion Ratio Lower Upper

83 100

55 77.5 34.0 102.0

98 45.8 23.0 69.0





#39

1,2-Dichloropropane

Concen: 20.532 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

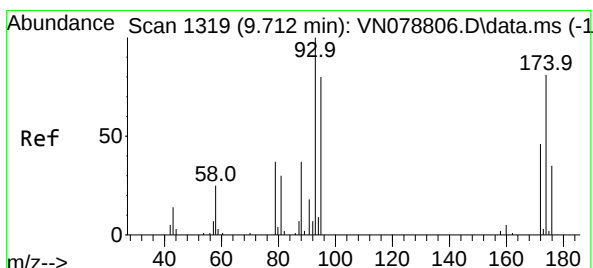
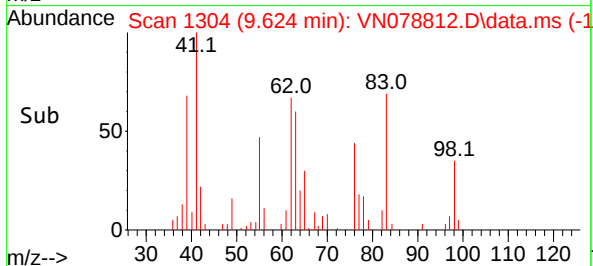
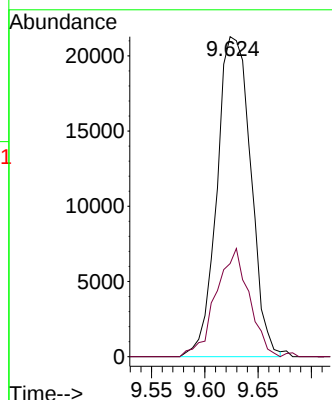
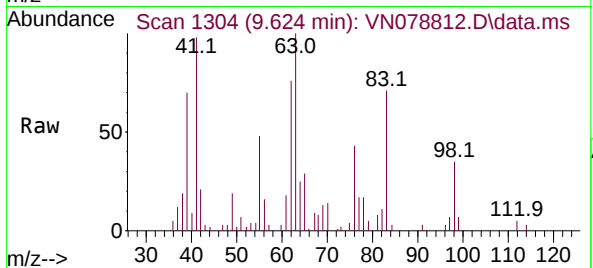
VSTDCCC020

Tgt Ion: 63 Resp: 46852

Ion Ratio Lower Upper

63 100

65 29.1 27.4 41.2



#40

Dibromomethane

Concen: 19.942 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

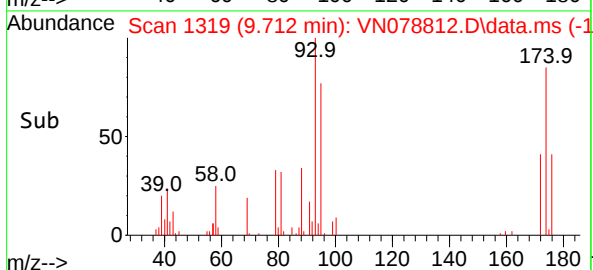
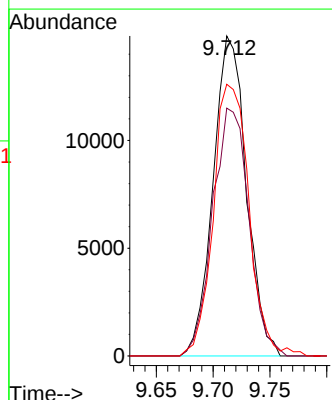
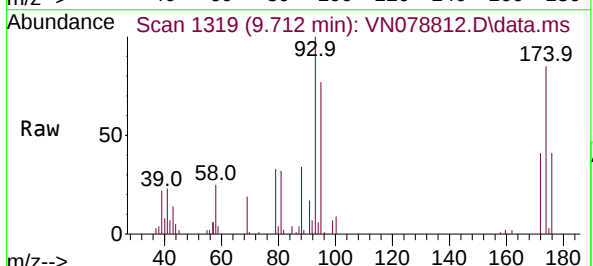
Tgt Ion: 93 Resp: 30301

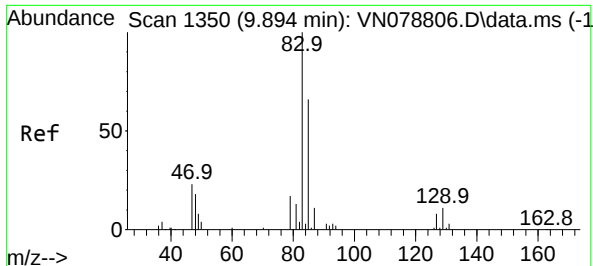
Ion Ratio Lower Upper

93 100

95 84.0 0.0 167.8

174 90.0 0.0 180.8

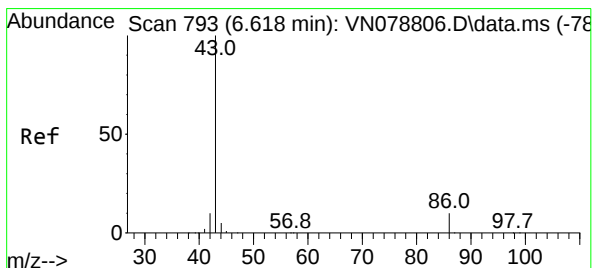
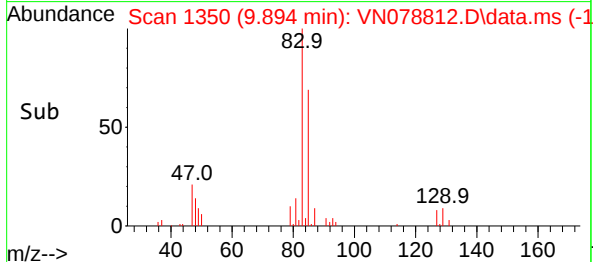
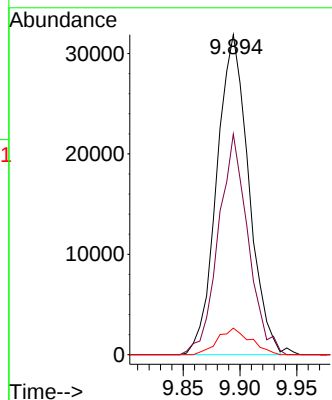
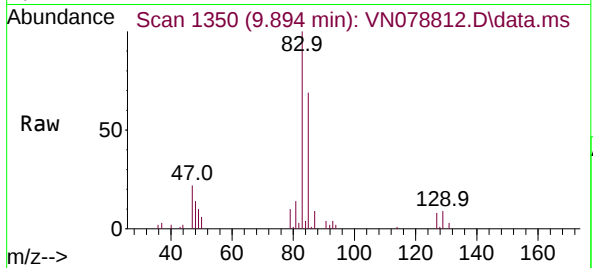




#41  
Bromodichloromethane  
Concen: 20.343 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

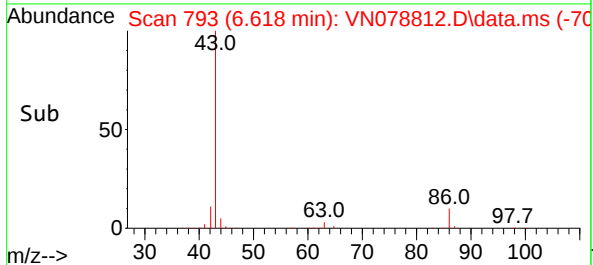
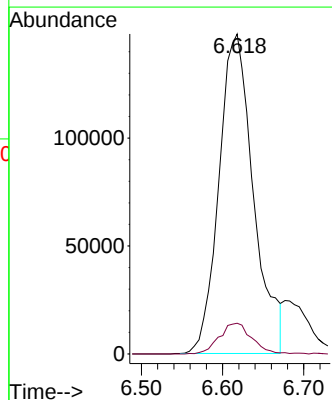
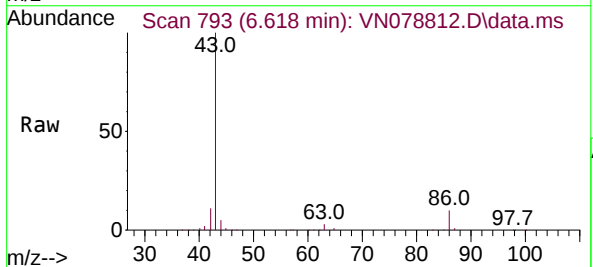
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

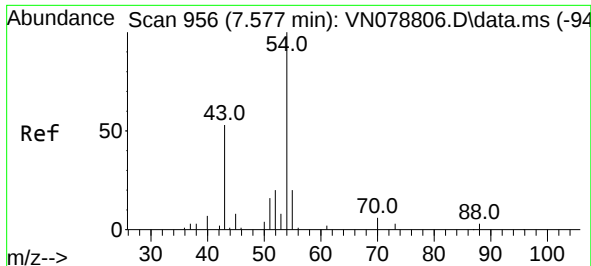
Tgt Ion: 83 Resp: 62285  
Ion Ratio Lower Upper  
83 100  
85 69.0 54.1 81.1  
127 8.3 7.8 11.6



#42  
Vinyl Acetate  
Concen: 100.252 ug/l  
RT: 6.618 min Scan# 793  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 43 Resp: 438293  
Ion Ratio Lower Upper  
43 100  
86 9.0 9.4 14.0#





#43

Ethyl Acetate

Concen: 19.987 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.012 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

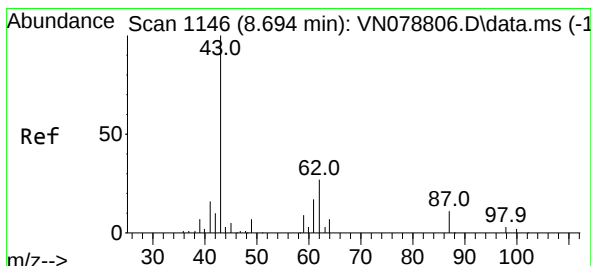
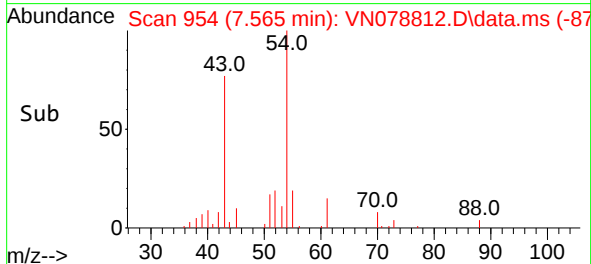
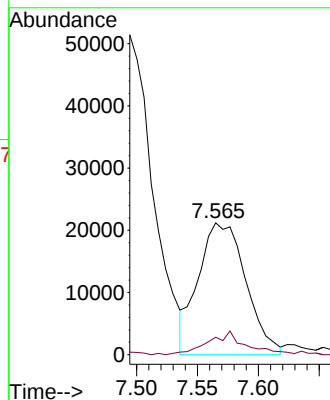
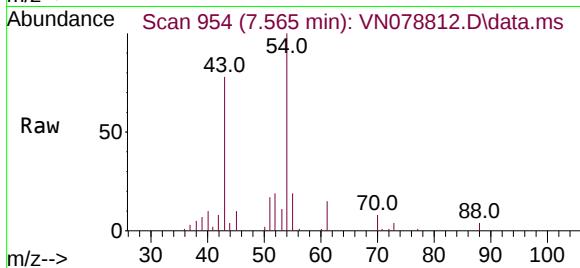
VSTDCCC020

Tgt Ion: 43 Resp: 57644

Ion Ratio Lower Upper

43 100

45 6.6 10.9 16.3#



#44

Isopropyl Acetate

Concen: 18.379 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN078812.D

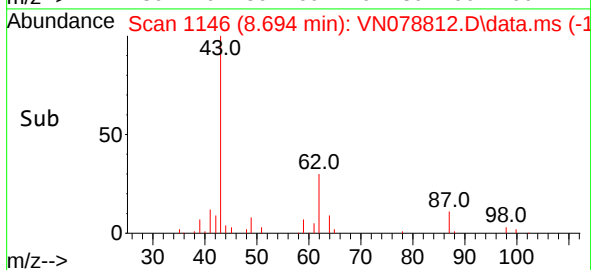
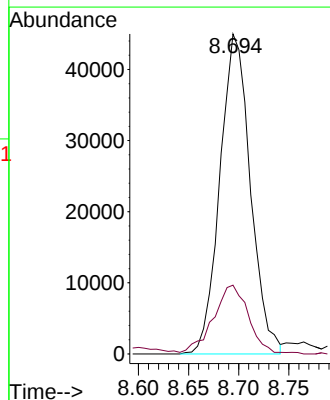
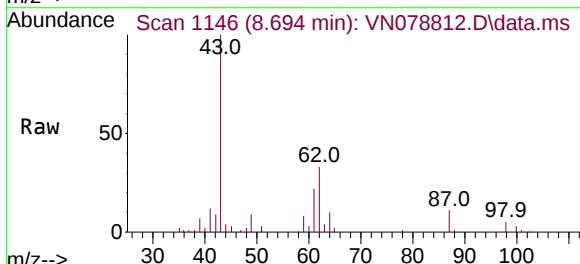
Acq: 09 Aug 2023 11:19

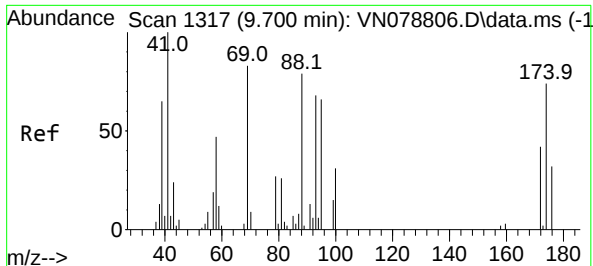
Tgt Ion: 43 Resp: 95180

Ion Ratio Lower Upper

43 100

61 23.9 23.0 34.6





#45

1,4-Dioxane

Concen: 404.055 ug/l

RT: 9.706 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

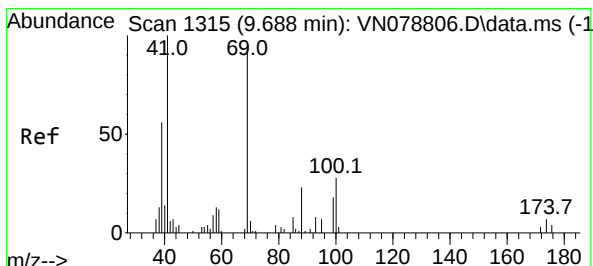
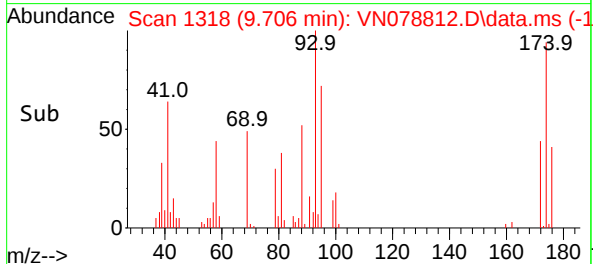
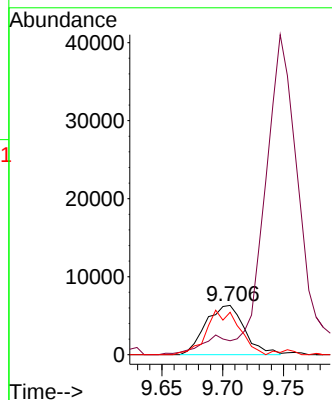
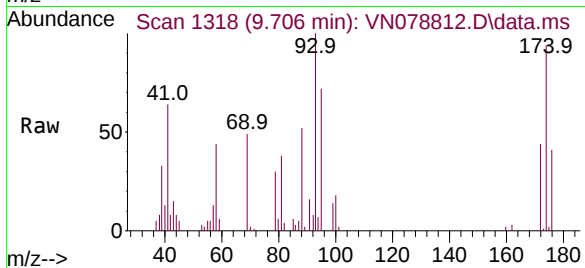
Tgt Ion: 88 Resp: 14039

Ion Ratio Lower Upper

88 100

43 28.8 19.0 28.6#

58 76.5 48.2 72.2#



#46

Methyl methacrylate

Concen: 19.761 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

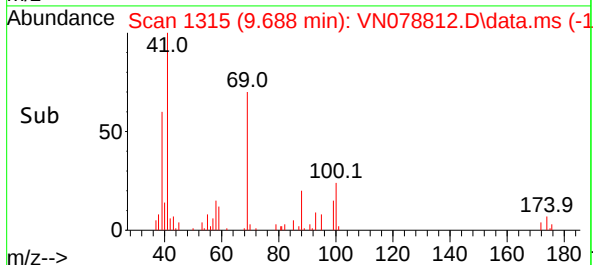
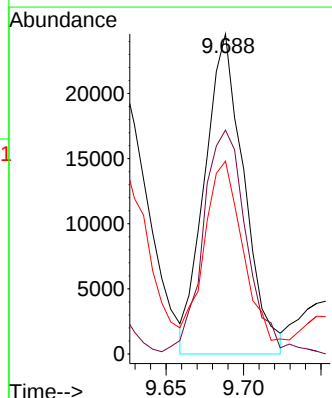
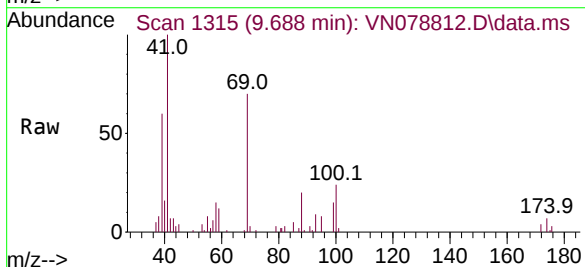
Tgt Ion: 41 Resp: 43335

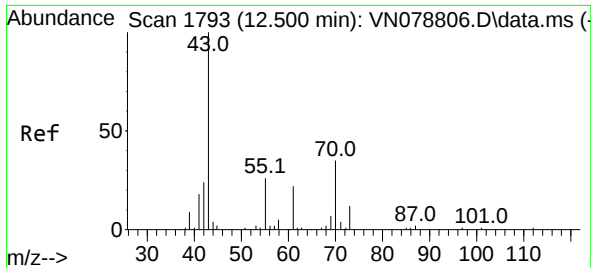
Ion Ratio Lower Upper

41 100

69 72.7 49.0 147.0

39 59.4 31.6 94.8

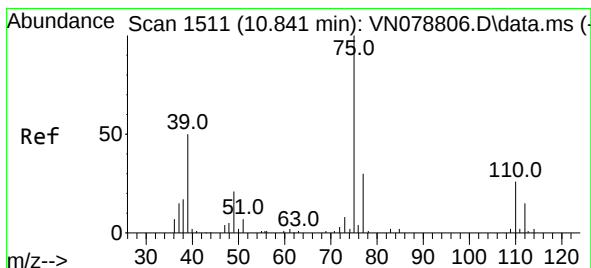
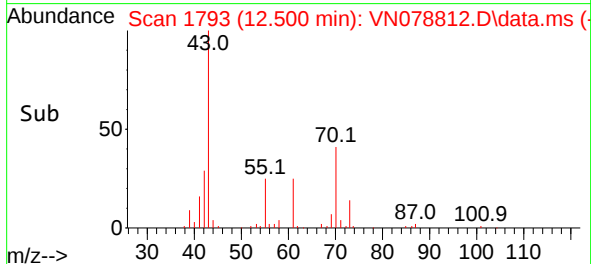
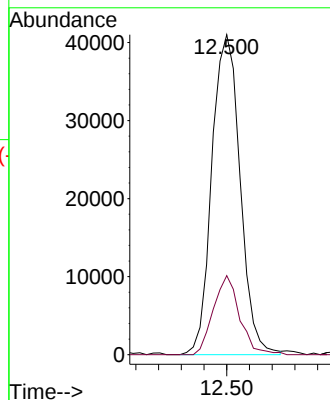
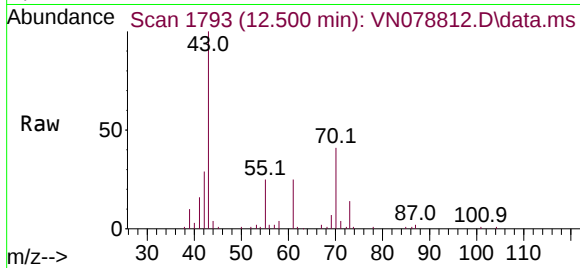




#47  
n-amyl acetate  
Concen: 19.572 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

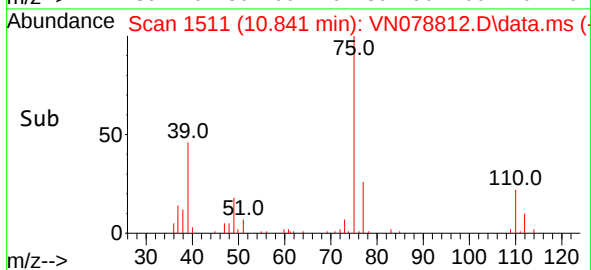
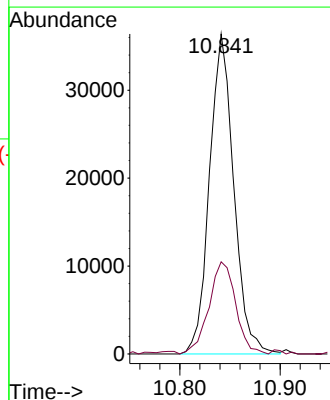
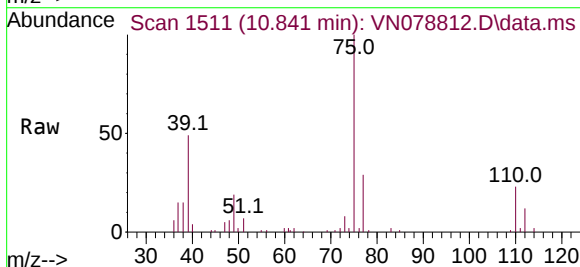
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

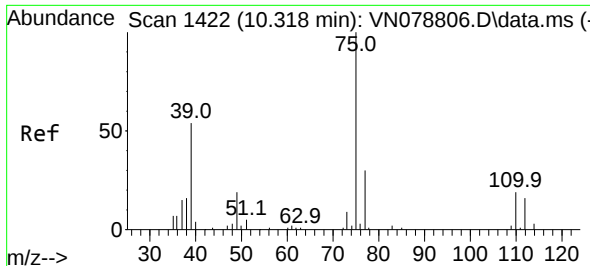
Tgt Ion: 43 Resp: 70862  
Ion Ratio Lower Upper  
43 100  
55 23.0 21.5 32.3



#48  
t-1,3-Dichloropropene  
Concen: 19.850 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 75 Resp: 61367  
Ion Ratio Lower Upper  
75 100  
77 28.8 26.1 39.1

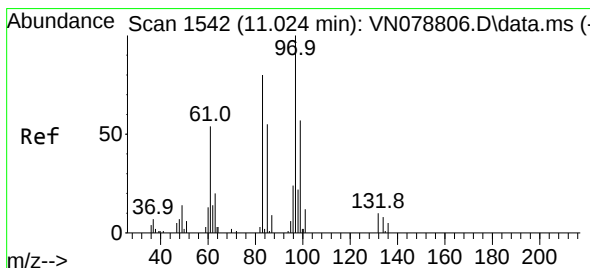
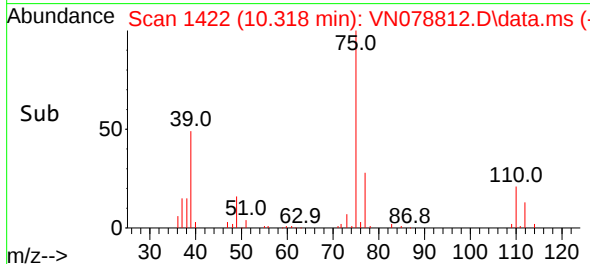
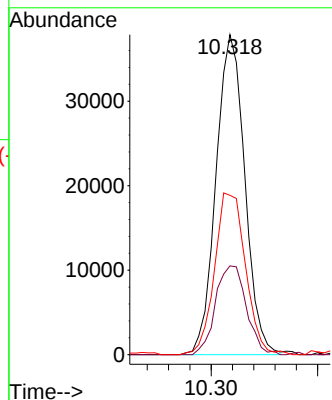
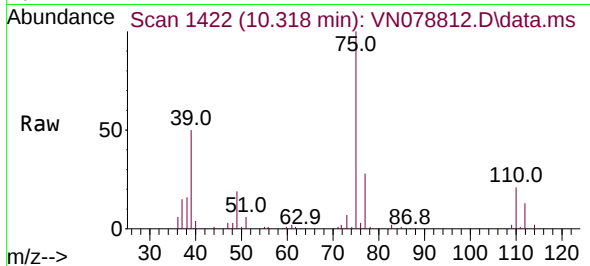




#49  
 cis-1,3-Dichloropropene  
 Concen: 20.677 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

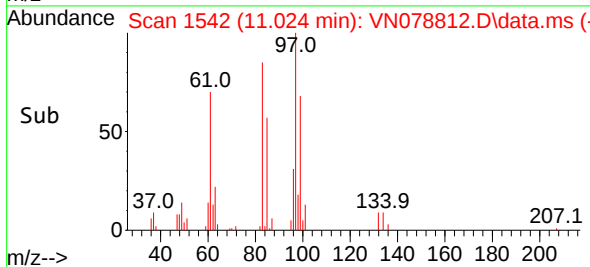
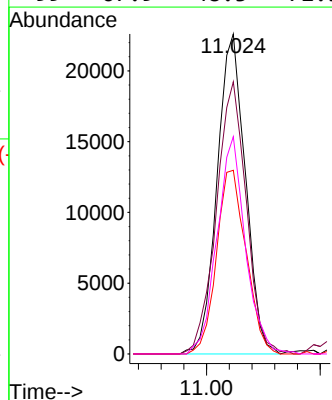
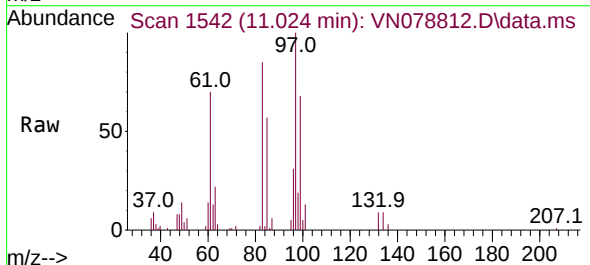
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

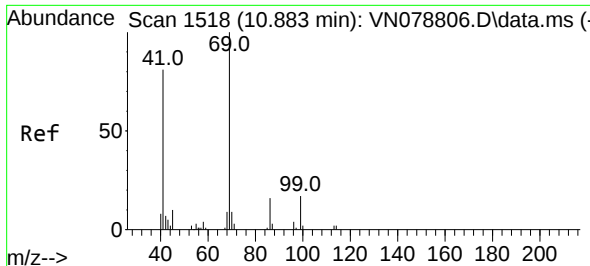
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 71093       |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 27.8  | 24.0 36.0   |
| 39          | 49.8  | 35.1 52.7   |



#50  
 1,1,2-Trichloroethane  
 Concen: 18.946 ug/l  
 RT: 11.024 min Scan# 1542  
 Delta R.T. -0.000 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 97 | Resp: | 39117       |
| Ion         | Ratio | Lower Upper |
| 97          | 100   |             |
| 83          | 85.1  | 66.8 100.2  |
| 85          | 57.4  | 42.5 63.7   |
| 99          | 67.9  | 48.3 72.5   |

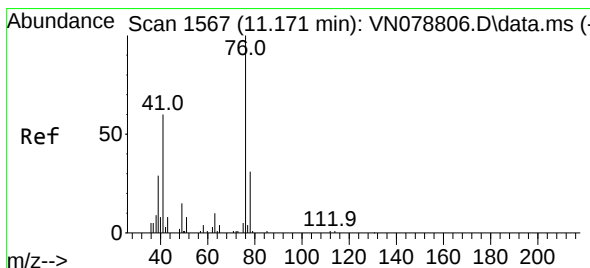
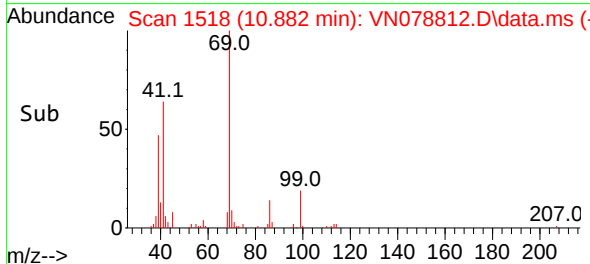
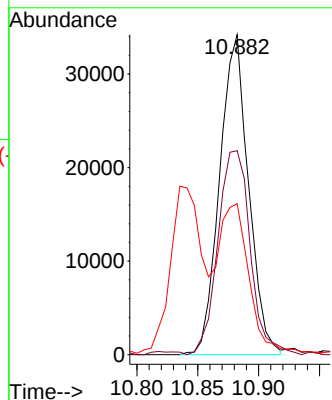
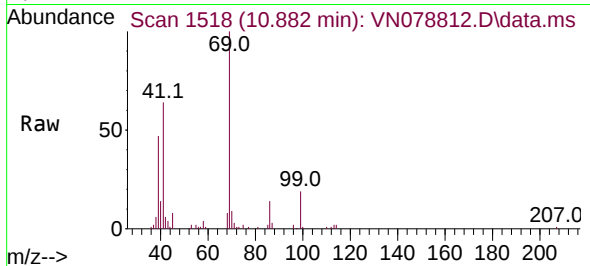




#51  
Ethyl methacrylate  
Concen: 19.483 ug/l  
RT: 10.882 min Scan# 1518  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

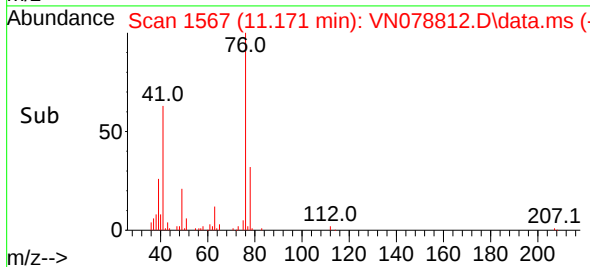
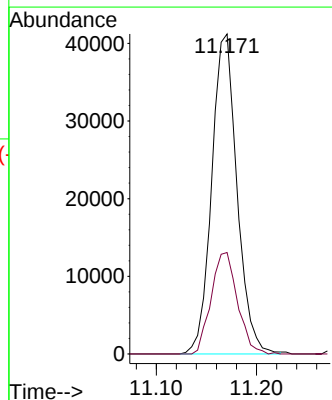
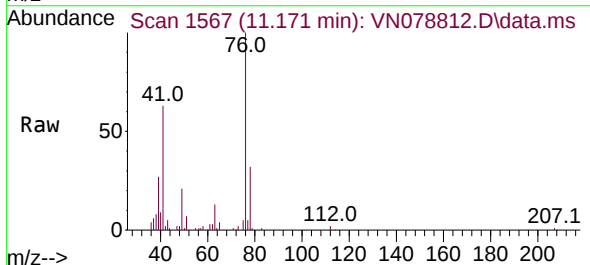
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

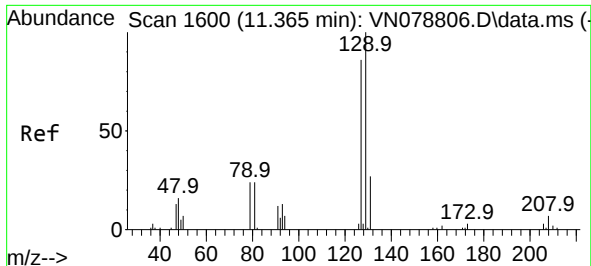
Tgt Ion: 69 Resp: 56386  
Ion Ratio Lower Upper  
69 100  
41 63.0 26.0 78.0  
39 45.2 16.3 48.9



#52  
1,3-Dichloropropane  
Concen: 20.399 ug/l  
RT: 11.171 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 76 Resp: 72319  
Ion Ratio Lower Upper  
76 100  
78 32.9 0.0 66.2

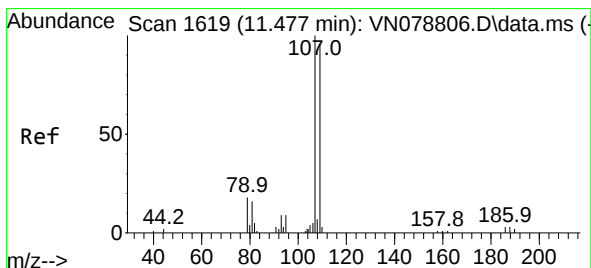
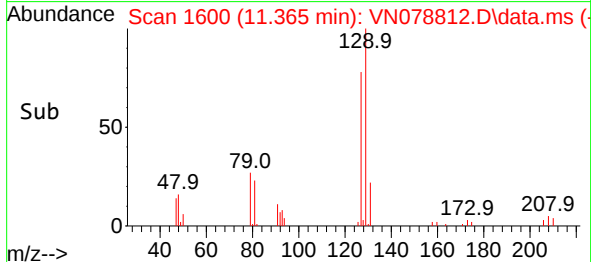
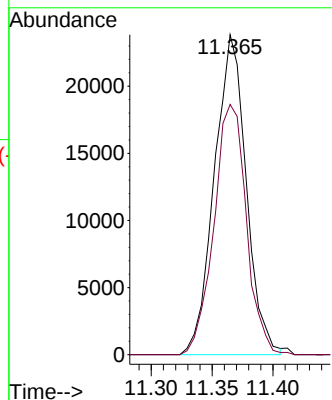
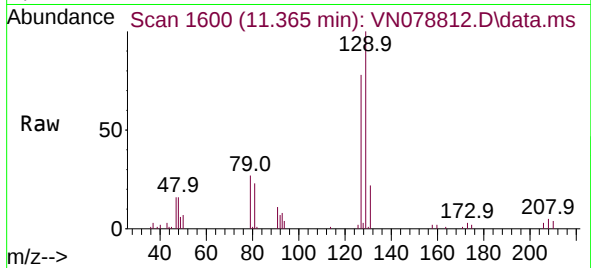




#53  
Dibromochloromethane  
Concen: 20.131 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

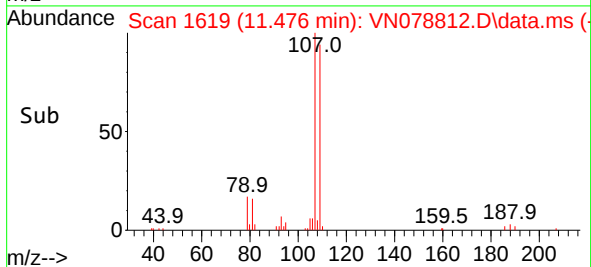
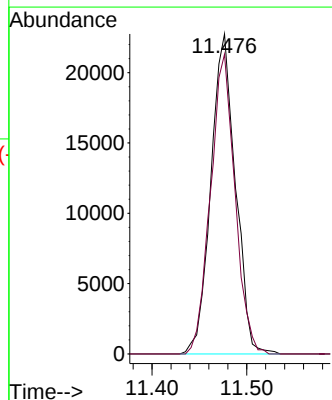
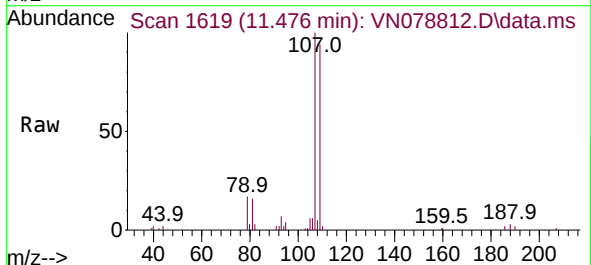
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

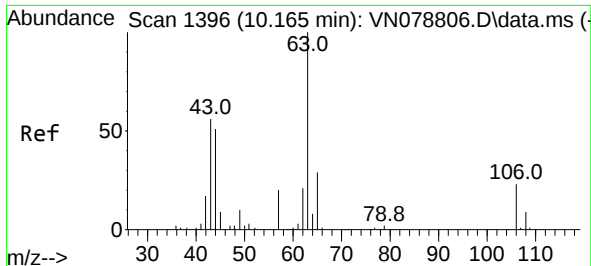
Tgt Ion:129 Resp: 43380  
Ion Ratio Lower Upper  
129 100  
127 79.5 39.4 118.1



#54  
1,2-Dibromoethane  
Concen: 20.319 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion:107 Resp: 40986  
Ion Ratio Lower Upper  
107 100  
109 93.2 74.6 112.0

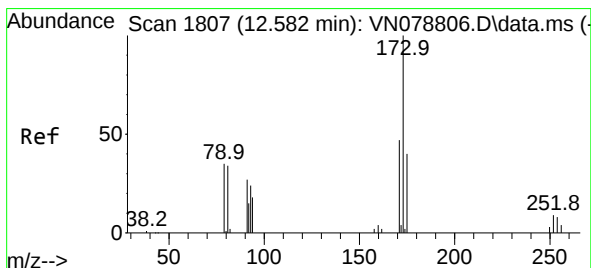
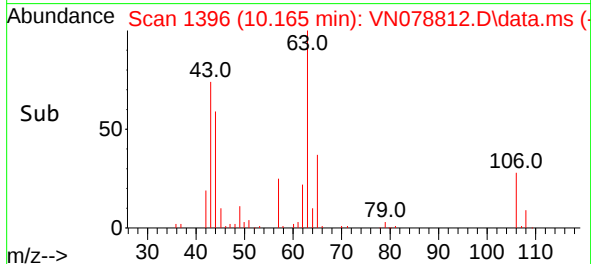
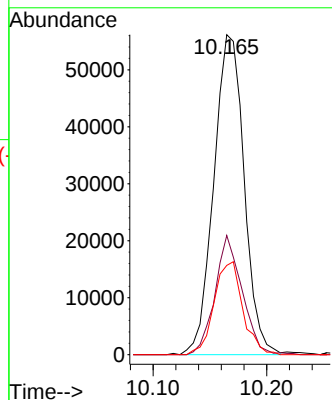
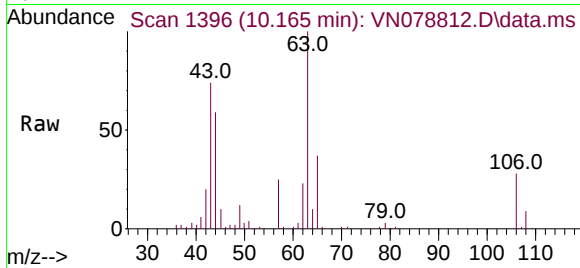




#55  
2-Chloroethyl vinyl ether  
Concen: 97.713 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

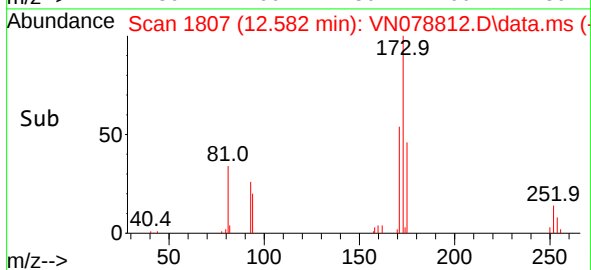
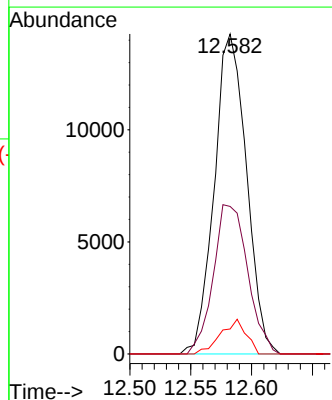
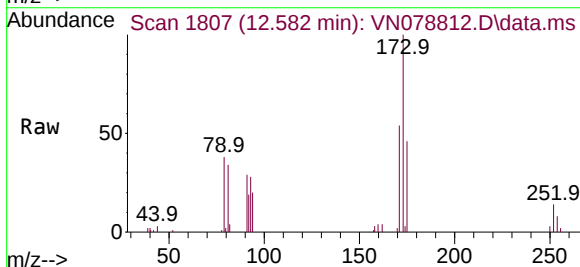
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

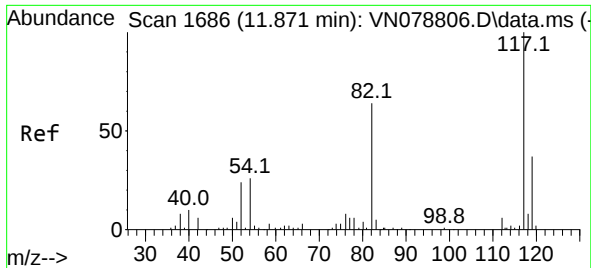
Tgt Ion: 63 Resp: 104289  
Ion Ratio Lower Upper  
63 100  
65 33.1 26.3 39.5  
106 27.4 23.8 35.6



#56  
Bromoform  
Concen: 19.427 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion:173 Resp: 26207  
Ion Ratio Lower Upper  
173 100  
175 49.9 40.7 61.1  
254 8.6 6.5 9.7

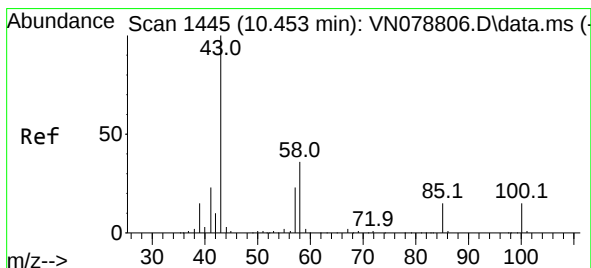
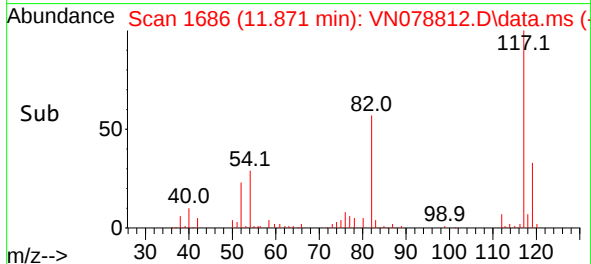
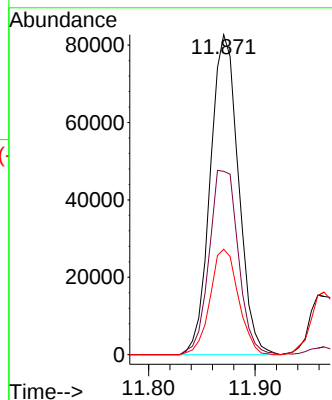
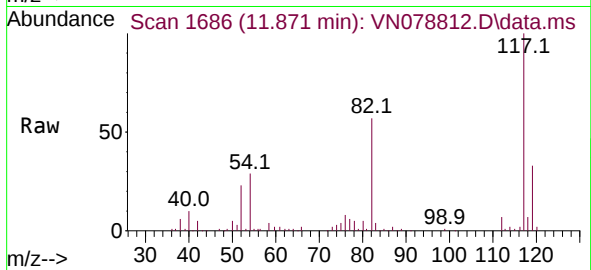




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

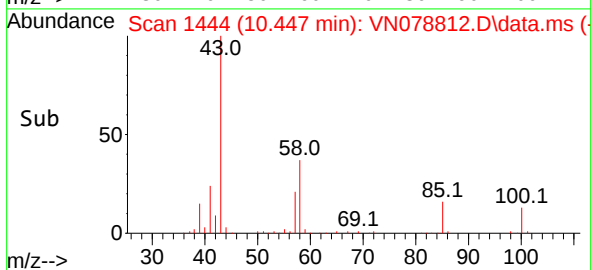
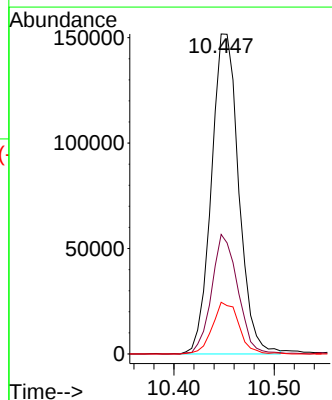
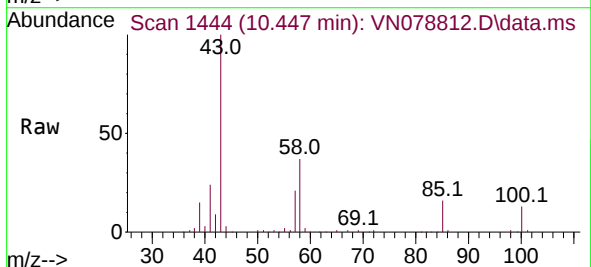
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

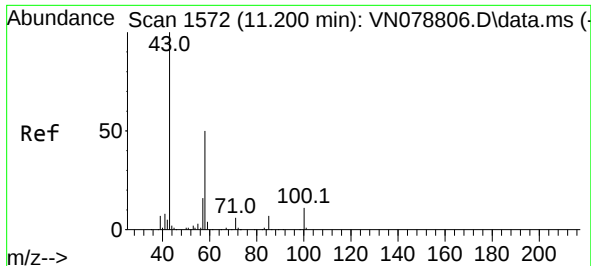
Tgt Ion:117 Resp: 151749  
Ion Ratio Lower Upper  
117 100  
82 59.7 43.9 65.9  
119 33.2 26.2 39.4



#58  
4-Methyl-2-Pentanone  
Concen: 98.594 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 43 Resp: 287579  
Ion Ratio Lower Upper  
43 100  
58 35.8 32.6 48.8  
85 15.6 16.2 24.2#

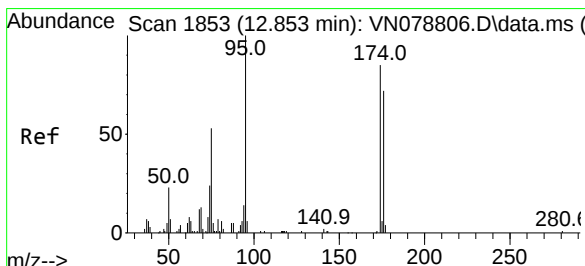
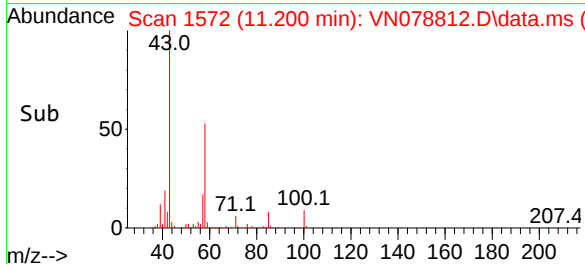
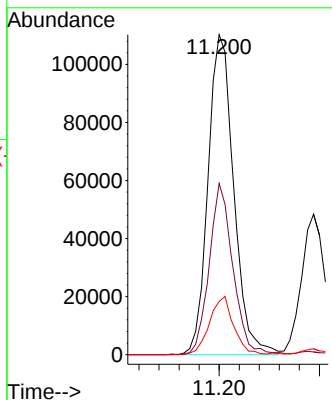
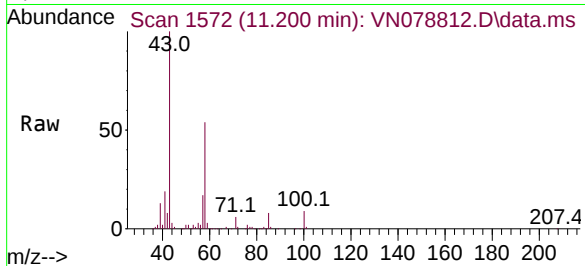




#59  
2-Hexanone  
Concen: 96.777 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

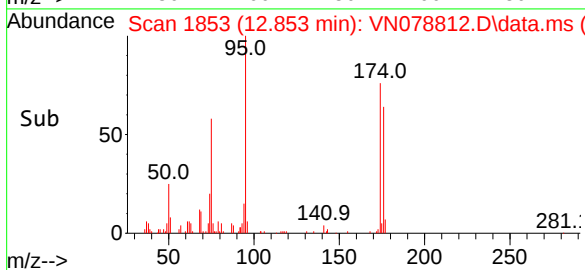
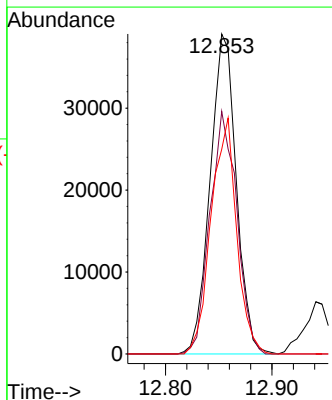
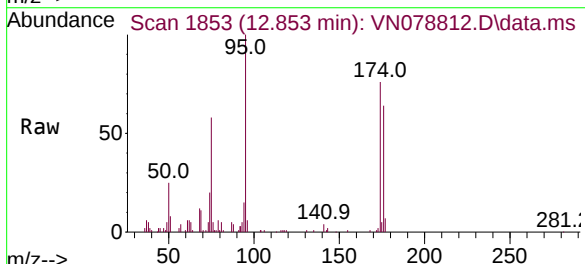
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

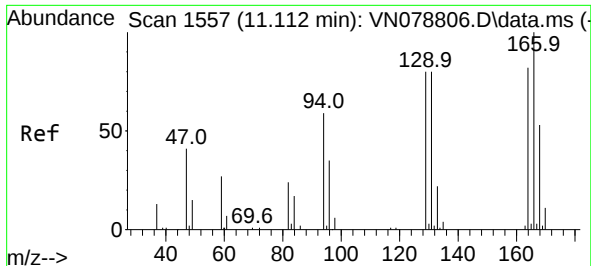
Tgt Ion: 43 Resp: 196158  
Ion Ratio Lower Upper  
43 100  
58 49.0 45.9 68.9  
57 17.0 15.8 23.6



#60  
4-Bromofluorobenzene  
Concen: 31.258 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 95 Resp: 66581  
Ion Ratio Lower Upper  
95 100  
174 78.0 61.7 92.5  
176 71.8 58.1 87.1

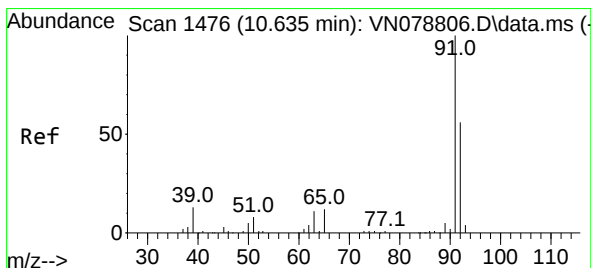
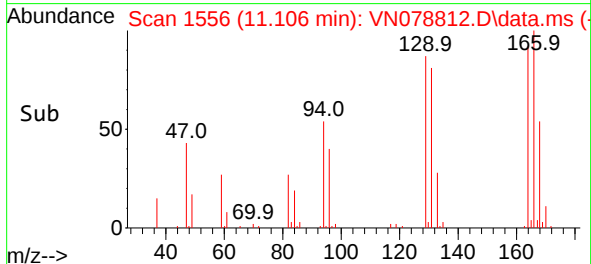
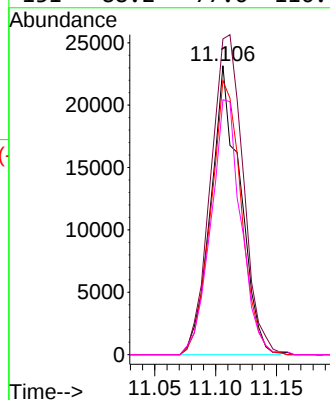
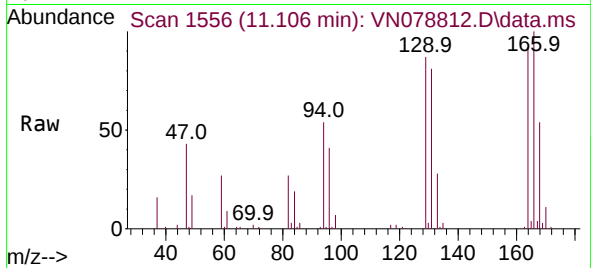




#61  
Tetrachloroethene  
Concen: 22.295 ug/l  
RT: 11.106 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

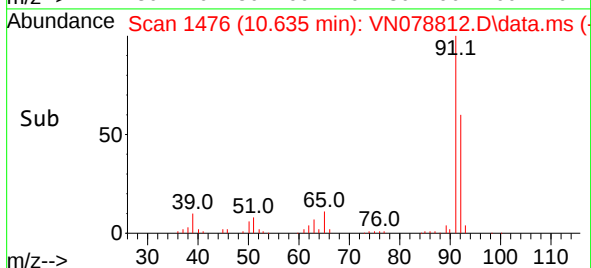
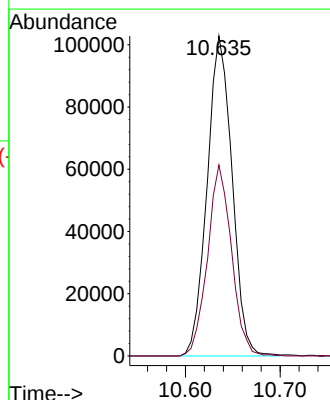
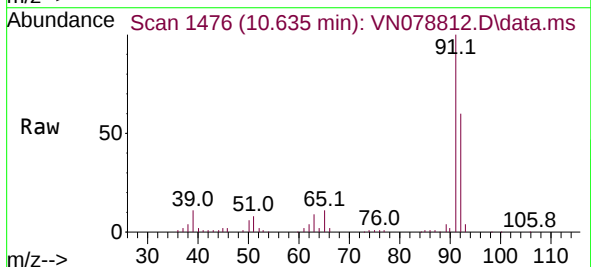
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

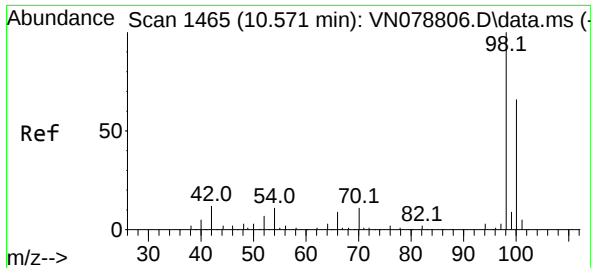
Tgt Ion:164 Resp: 38706  
Ion Ratio Lower Upper  
164 100  
166 109.2 99.1 148.7  
129 94.9 85.6 128.4  
131 88.2 77.6 116.4



#62  
Toluene  
Concen: 21.052 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 91 Resp: 188080  
Ion Ratio Lower Upper  
91 100  
92 57.3 45.2 67.8

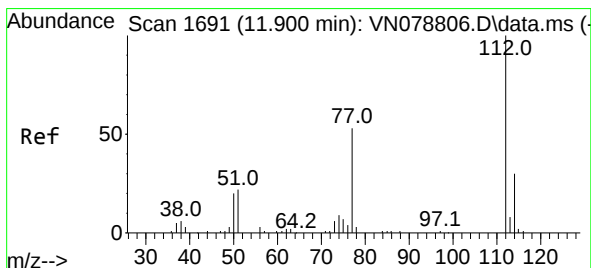
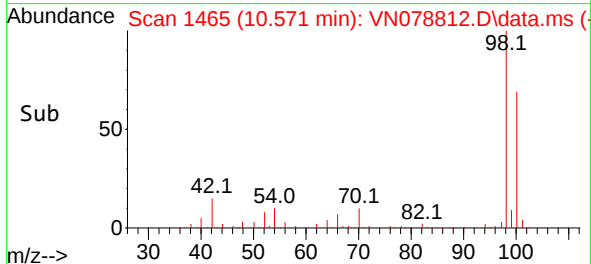
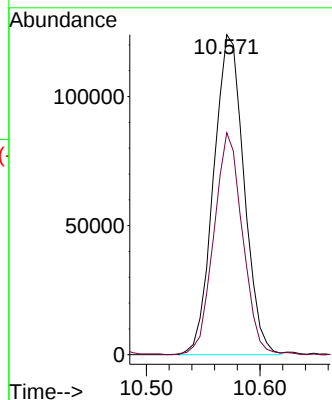
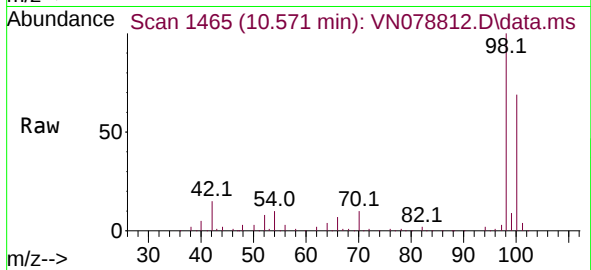




#63  
Toluene-d8  
Concen: 31.004 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

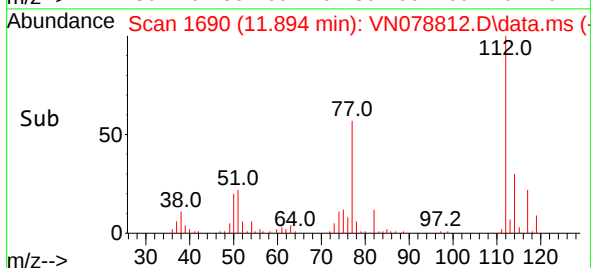
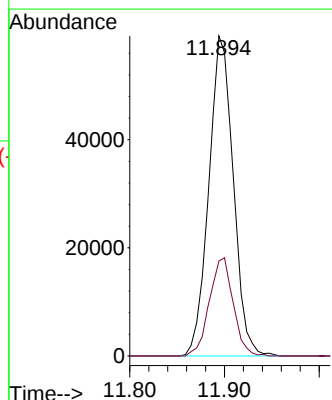
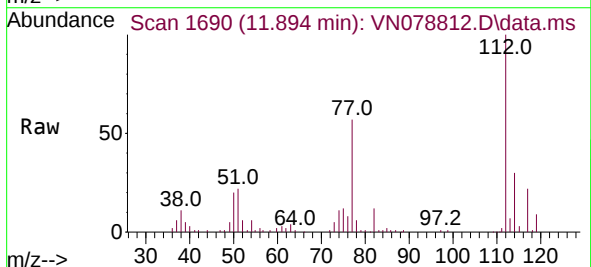
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

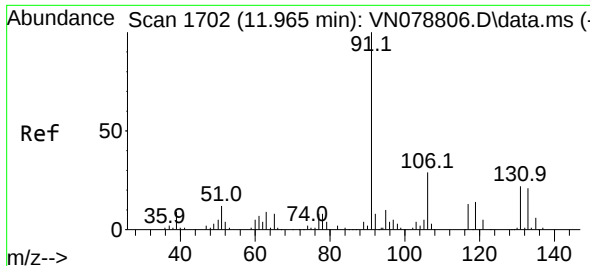
Tgt Ion: 98 Resp: 230553  
Ion Ratio Lower Upper  
98 100  
100 65.5 49.7 74.5



#64  
Chlorobenzene  
Concen: 20.309 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 112 Resp: 106223  
Ion Ratio Lower Upper  
112 100  
114 29.7 25.9 38.9

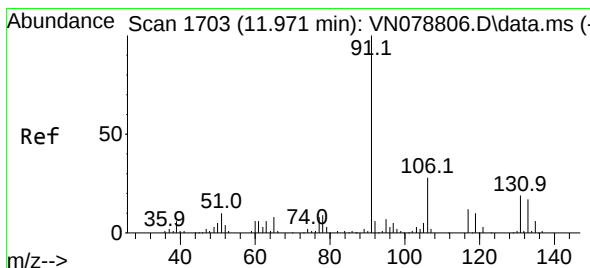
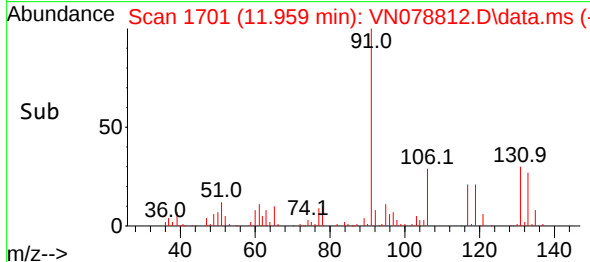
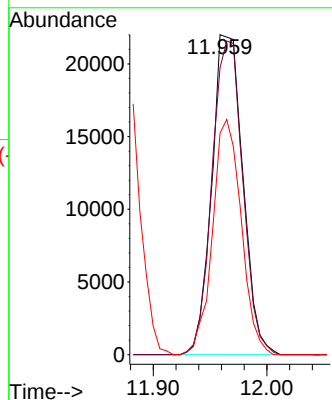
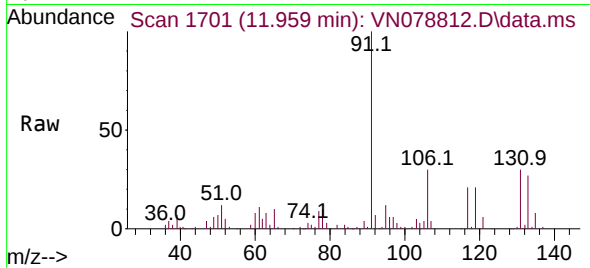




#65  
1,1,1,2-Tetrachloroethane  
Concen: 20.784 ug/l  
RT: 11.959 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

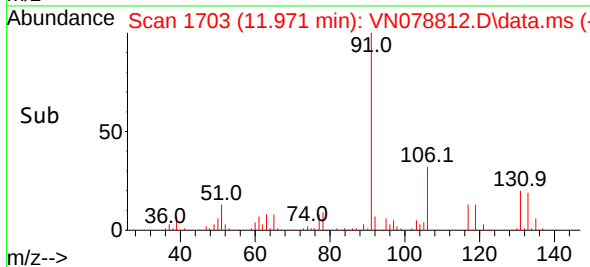
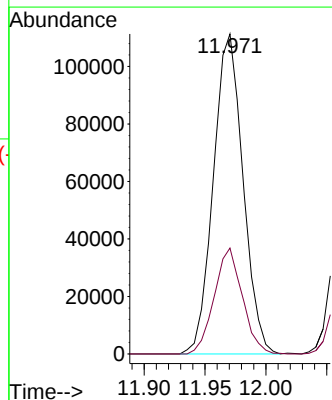
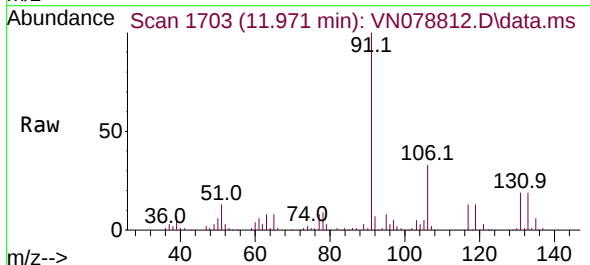
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

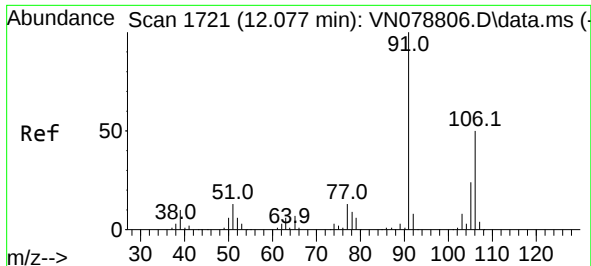
Tgt Ion:131 Resp: 41882  
Ion Ratio Lower Upper  
131 100  
133 96.7 0.0 191.8  
119 68.0 0.0 132.0



#66  
Ethyl Benzene  
Concen: 20.311 ug/l  
RT: 11.971 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 91 Resp: 188454  
Ion Ratio Lower Upper  
91 100  
106 33.1 25.6 38.4





#67

m/p-Xylenes

Concen: 42.847 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

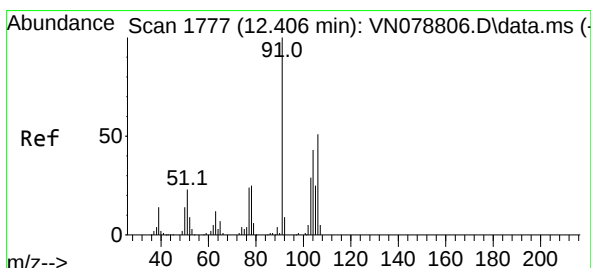
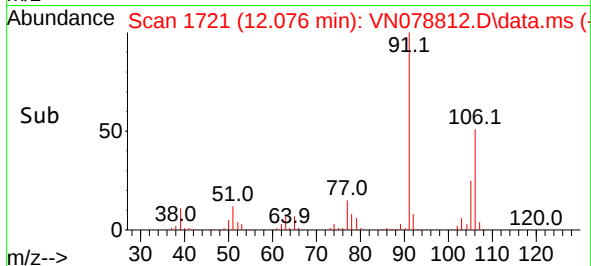
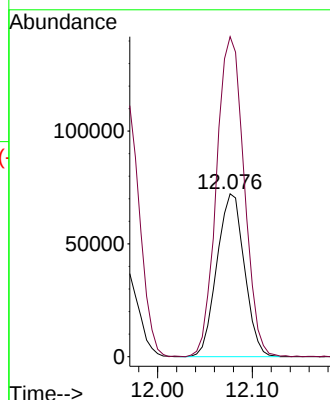
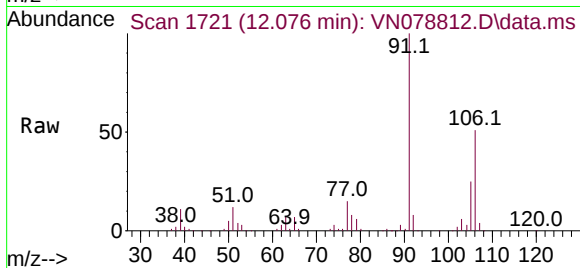
VSTDCCC020

Tgt Ion:106 Resp: 145772

Ion Ratio Lower Upper

106 100

91 197.3 162.5 243.7



#68

o-Xylene

Concen: 20.758 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN078812.D

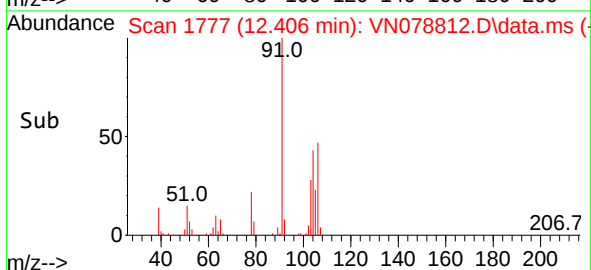
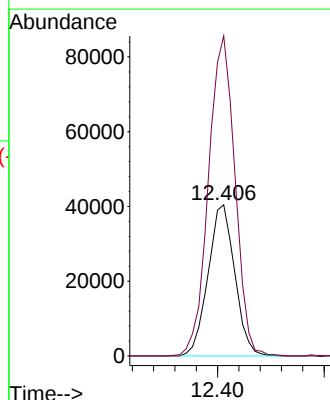
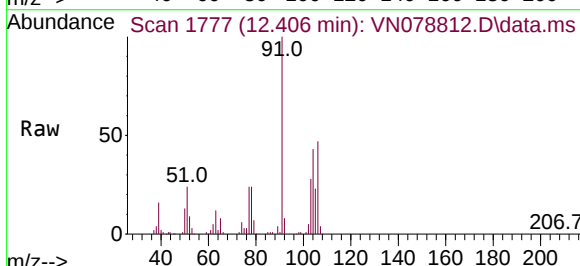
Acq: 09 Aug 2023 11:19

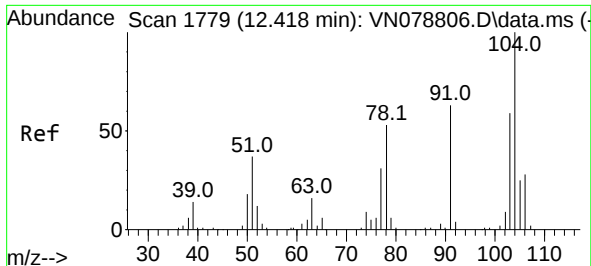
Tgt Ion:106 Resp: 70294

Ion Ratio Lower Upper

106 100

91 210.4 106.1 318.3

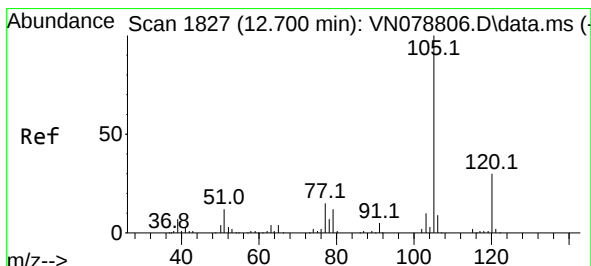
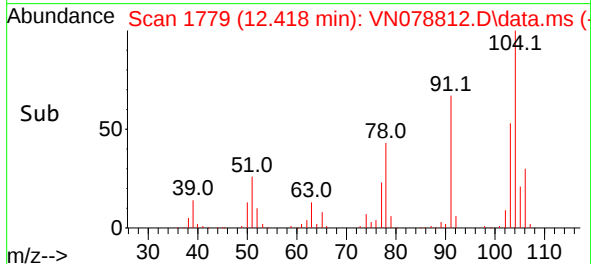
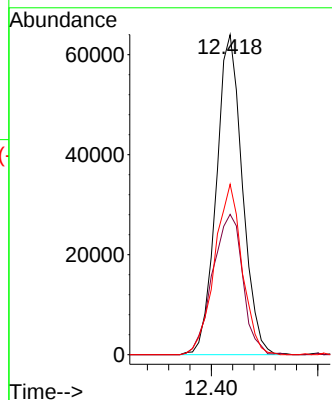
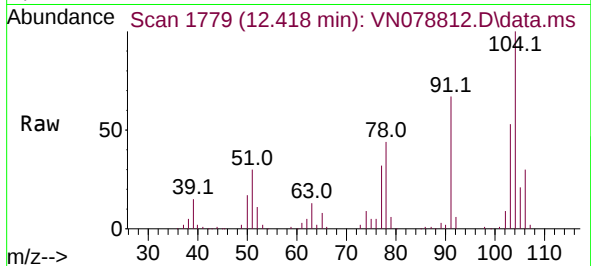




#69  
Styrene  
Concen: 21.000 ug/l  
RT: 12.418 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

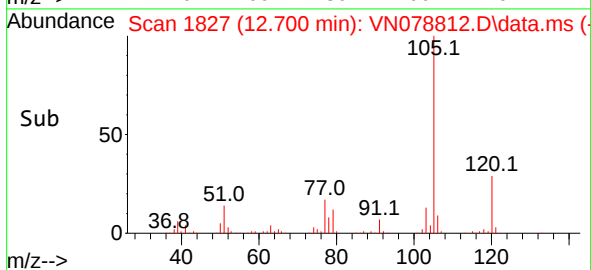
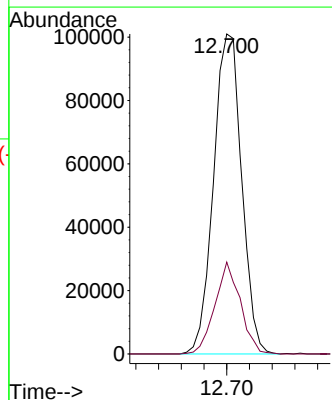
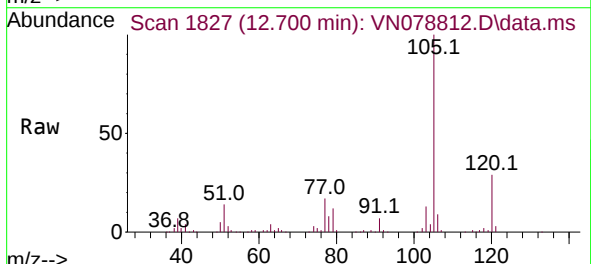
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

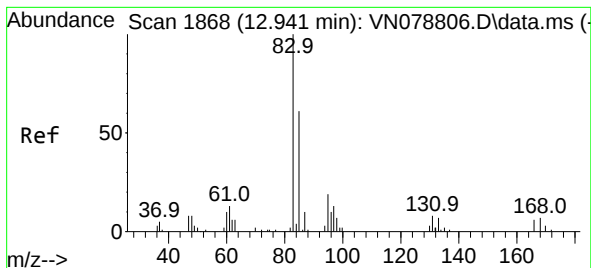
Tgt Ion:104 Resp: 108662  
Ion Ratio Lower Upper  
104 100  
78 50.6 40.1 60.1  
103 56.3 45.1 67.7



#70  
Isopropylbenzene  
Concen: 20.742 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion:105 Resp: 173495  
Ion Ratio Lower Upper  
105 100  
120 26.0 18.3 34.1

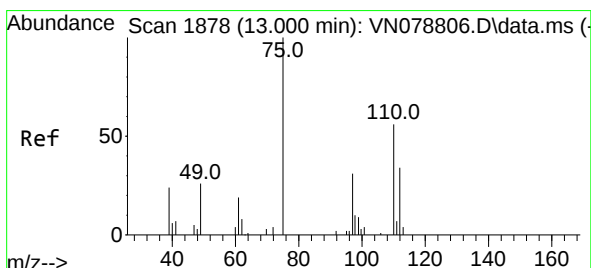
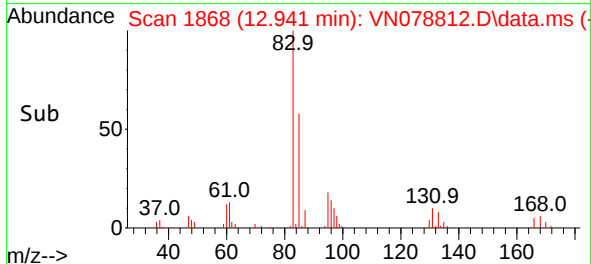
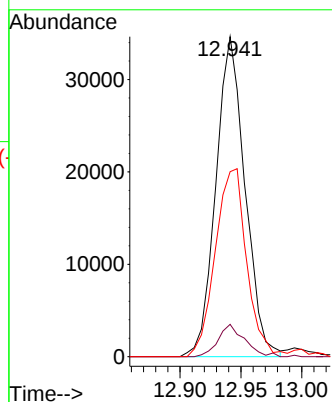
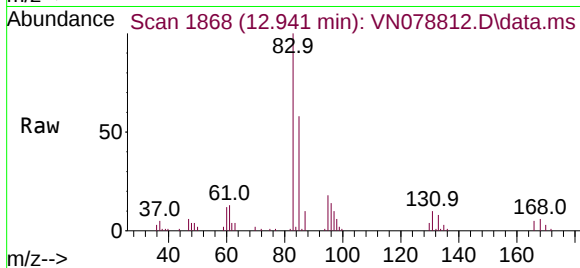




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.368 ug/l  
 RT: 12.941 min Scan# 1868  
 Delta R.T. -0.000 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

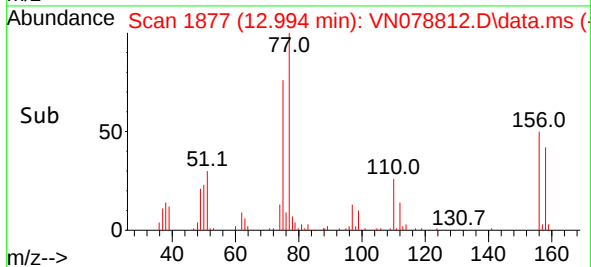
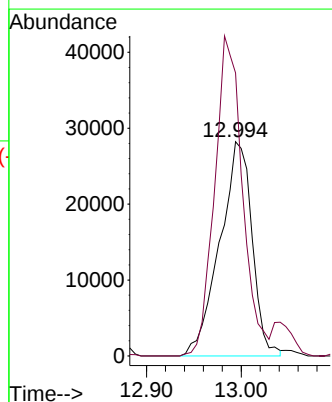
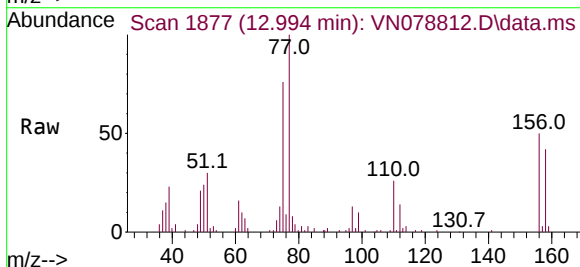
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 ClientSampleId :  
 VSTDCCC020

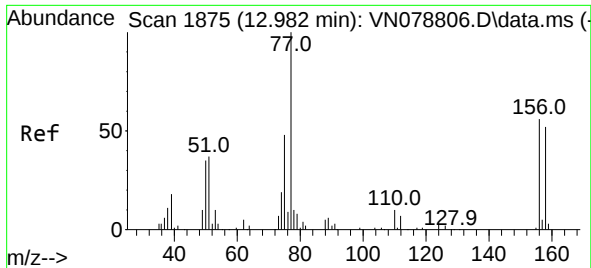
Tgt Ion: 83 Resp: 57732  
 Ion Ratio Lower Upper  
 83 100  
 131 8.9 4.8 14.4  
 85 62.8 32.6 98.0



#72  
 1,2,3-Trichloropropane  
 Concen: 26.969 ug/l  
 RT: 12.994 min Scan# 1877  
 Delta R.T. -0.006 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

Tgt Ion: 75 Resp: 66726  
 Ion Ratio Lower Upper  
 75 100  
 77 129.1 0.0 387.4

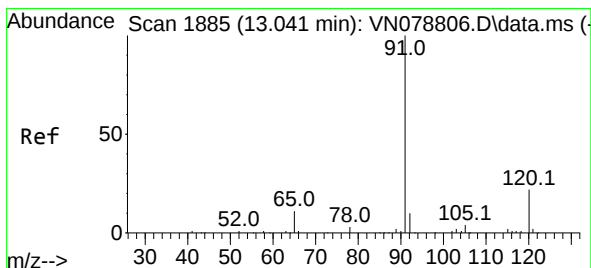
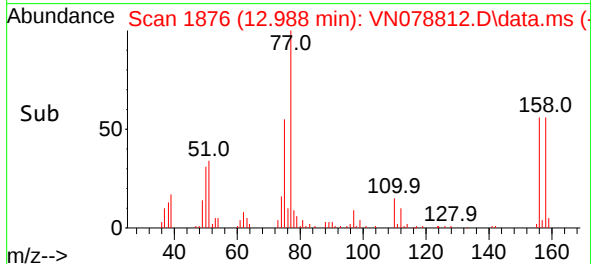
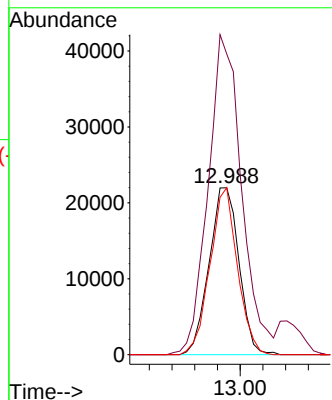
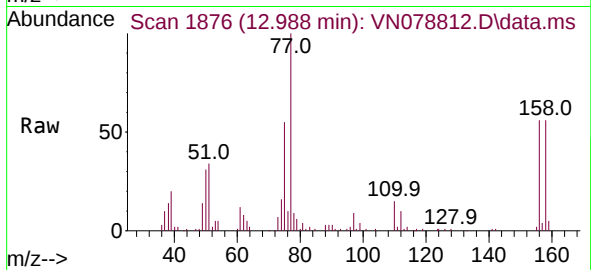




#73  
Bromobenzene  
Concen: 20.053 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

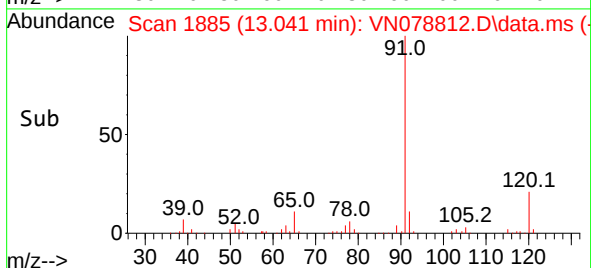
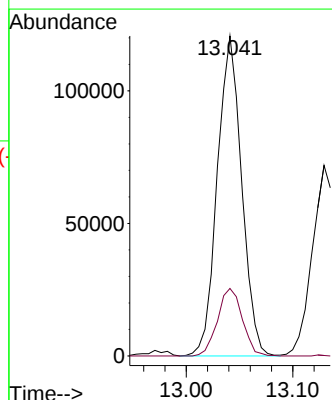
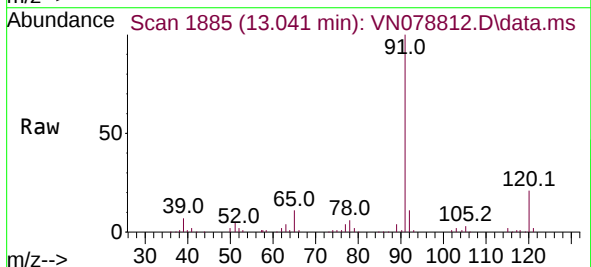
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

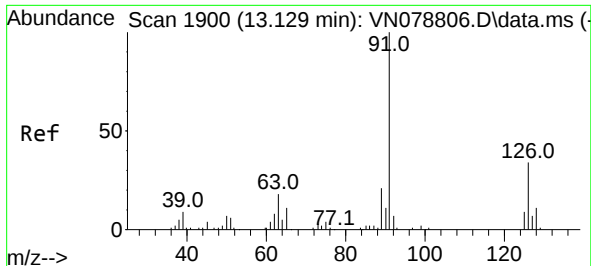
Tgt Ion:156 Resp: 40089  
Ion Ratio Lower Upper  
156 100  
77 214.8 0.0 420.8  
158 92.0 0.0 193.2



#74  
n-propylbenzene  
Concen: 20.737 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 91 Resp: 191941  
Ion Ratio Lower Upper  
91 100  
120 21.4 0.0 44.6

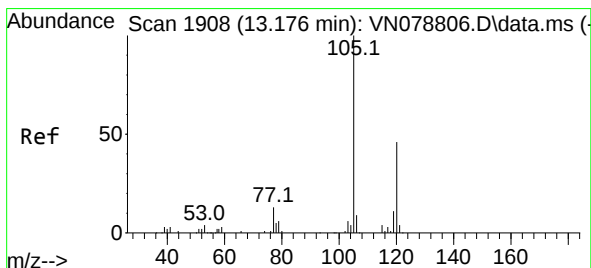
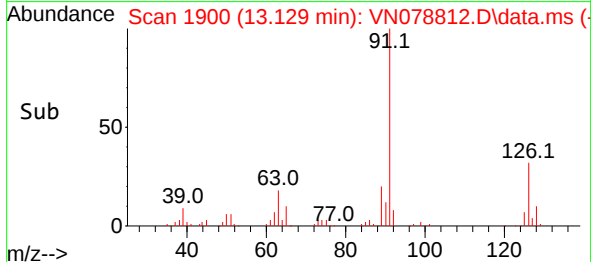
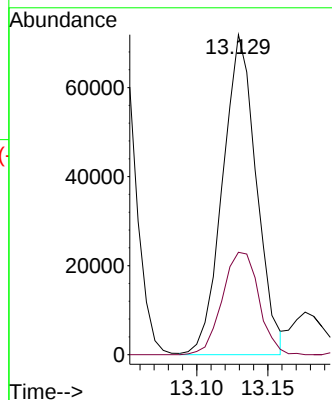
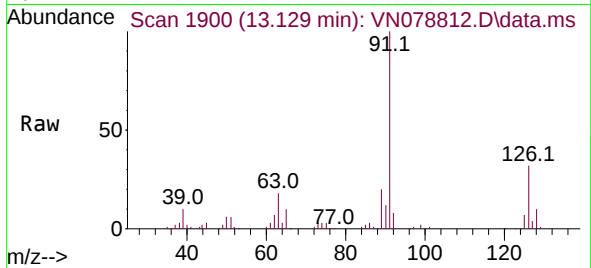




#75  
2-Chlorotoluene  
Concen: 20.600 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

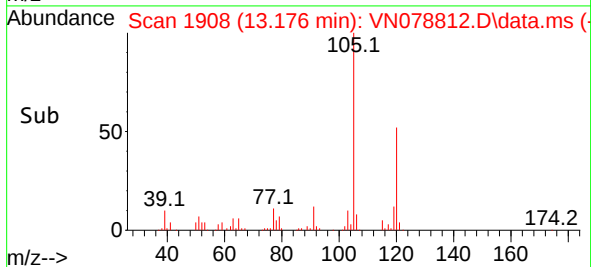
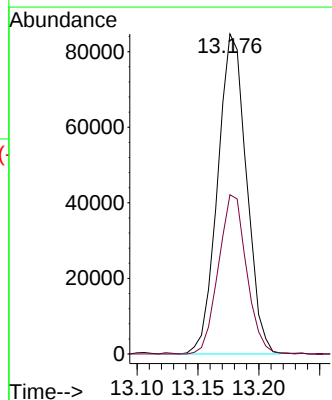
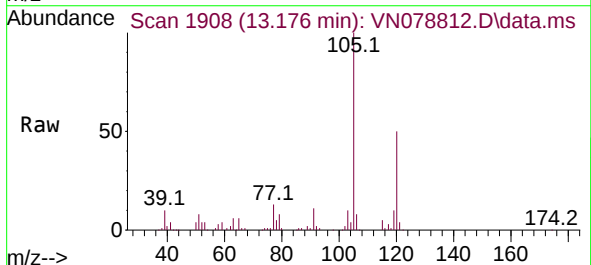
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ClientSampleId :  
VSTDCCC020

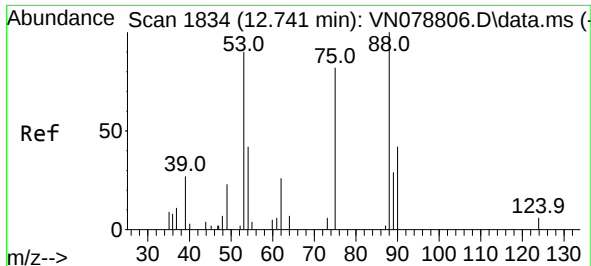
Tgt Ion: 91 Resp: 118779  
Ion Ratio Lower Upper  
91 100  
126 34.6 0.0 67.2



#76  
1,3,5-Trimethylbenzene  
Concen: 20.986 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion:105 Resp: 139419  
Ion Ratio Lower Upper  
105 100  
120 48.4 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 19.354 ug/l

RT: 12.741 min Scan# 1834

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

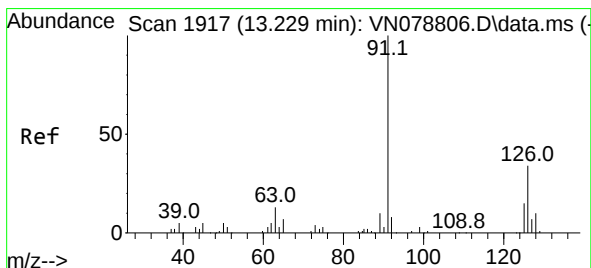
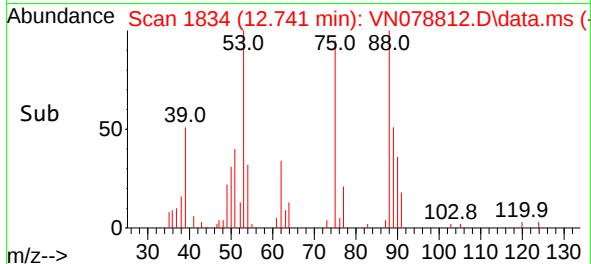
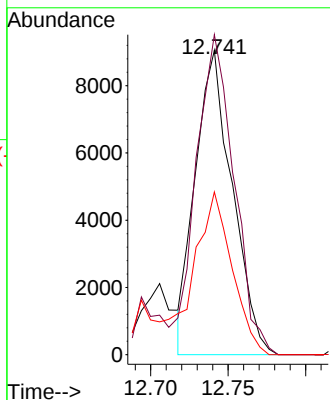
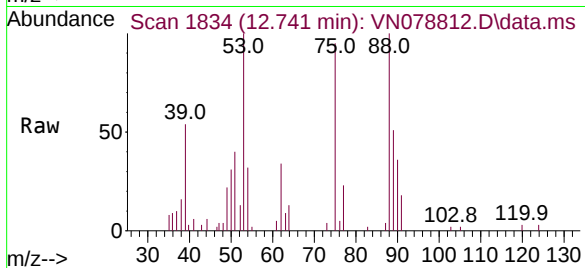
Tgt Ion: 75 Resp: 15030

Ion Ratio Lower Upper

75 100

53 105.2 41.6 124.9

89 53.5 25.1 75.4



#78

4-Chlorotoluene

Concen: 20.498 ug/l

RT: 13.229 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VN078812.D

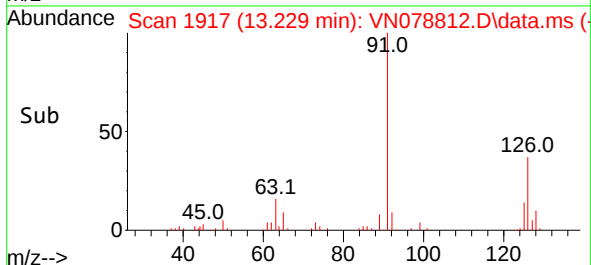
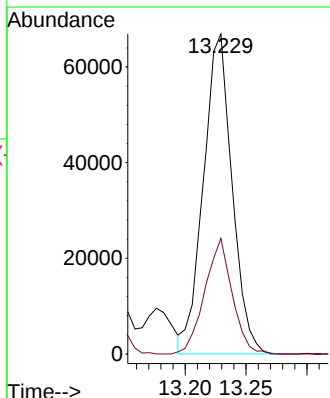
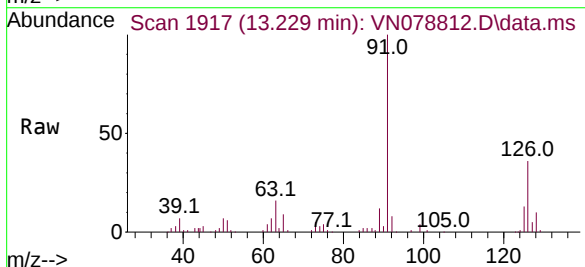
Acq: 09 Aug 2023 11:19

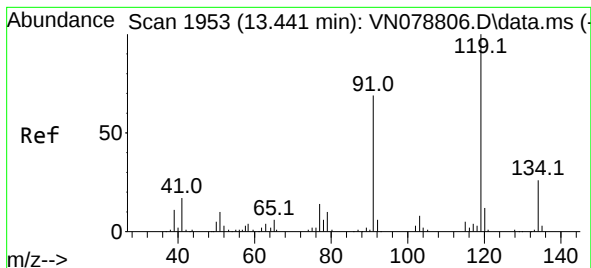
Tgt Ion: 91 Resp: 109647

Ion Ratio Lower Upper

91 100

126 34.5 0.0 68.8

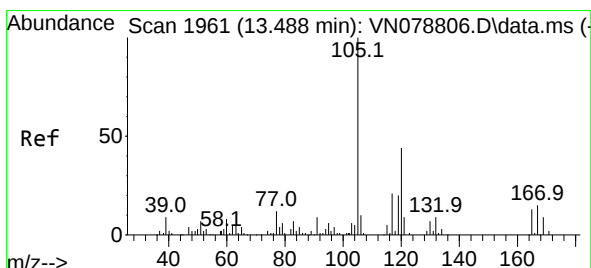
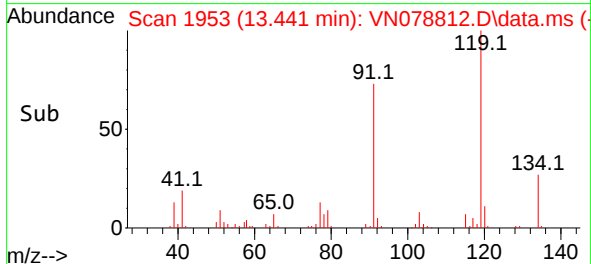
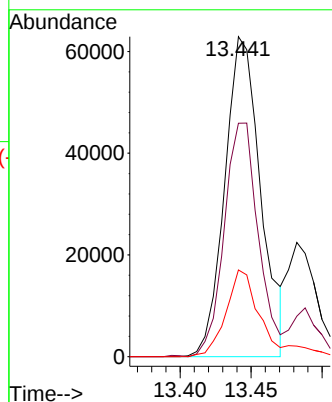
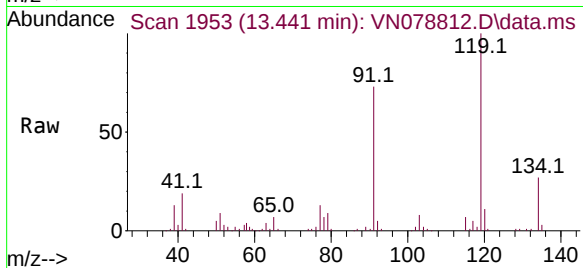




#79  
tert-butylbenzene  
Concen: 20.373 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

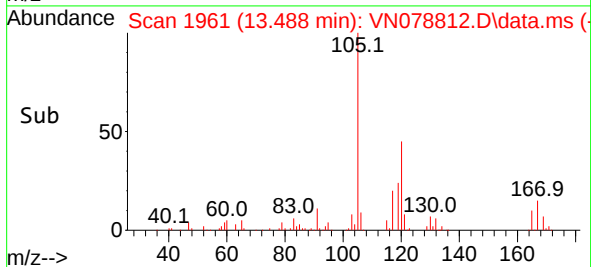
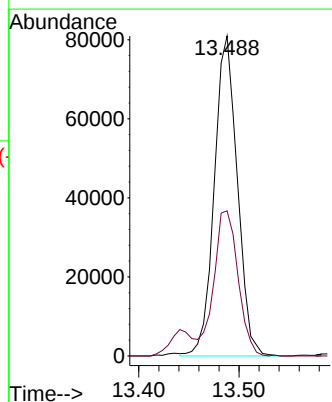
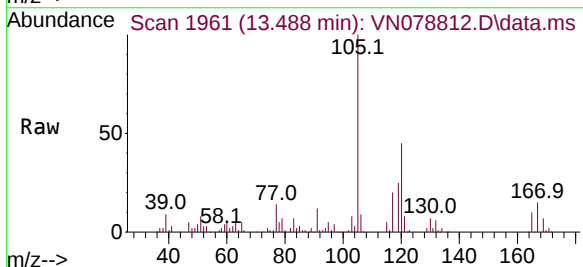
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

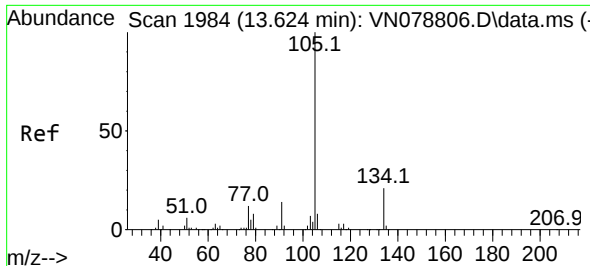
Tgt Ion:119 Resp: 111047  
Ion Ratio Lower Upper  
119 100  
91 69.2 0.0 126.6  
134 24.2 0.0 44.0



#80  
1,2,4-Trimethylbenzene  
Concen: 20.550 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion:105 Resp: 128829  
Ion Ratio Lower Upper  
105 100  
120 47.5 0.0 88.2

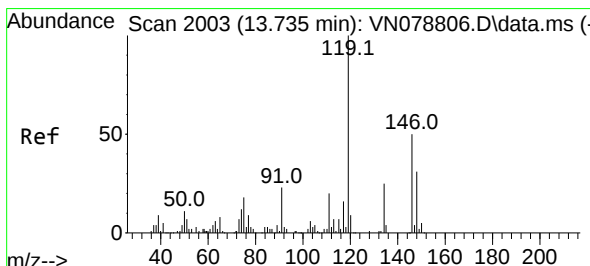
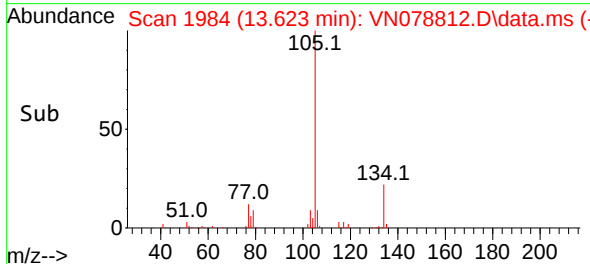
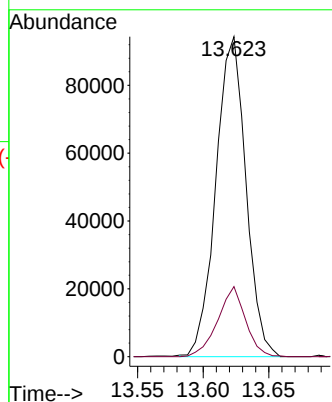
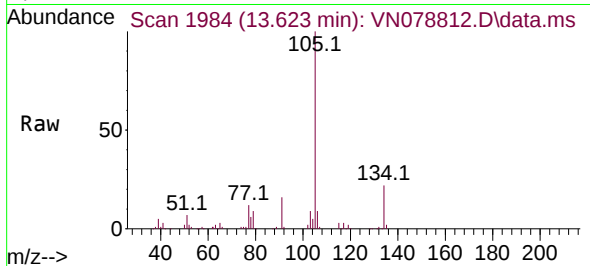




#81  
 sec-Butylbenzene  
 Concen: 20.579 ug/l  
 RT: 13.623 min Scan# 1984  
 Delta R.T. -0.000 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

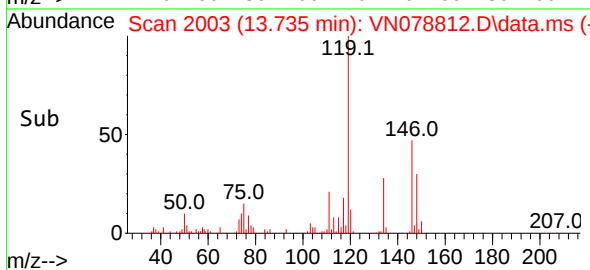
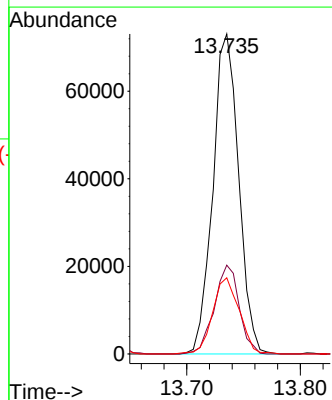
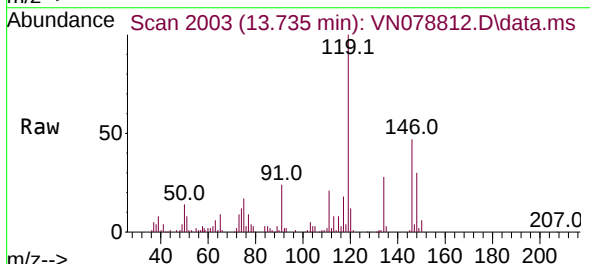
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 ClientSampleId :  
 VSTDCCC020

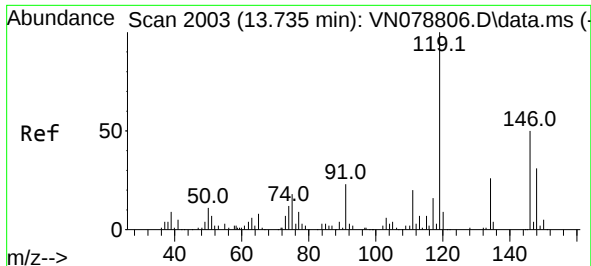
Tgt Ion:105 Resp: 150172  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 0.0 38.6



#82  
 p-Isopropyltoluene  
 Concen: 20.177 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. -0.000 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

Tgt Ion:119 Resp: 115329  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 0.0 52.4  
 91 24.6 0.0 48.2

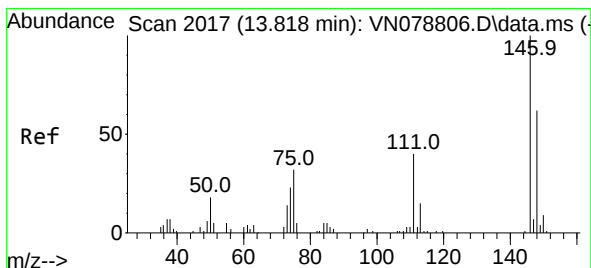
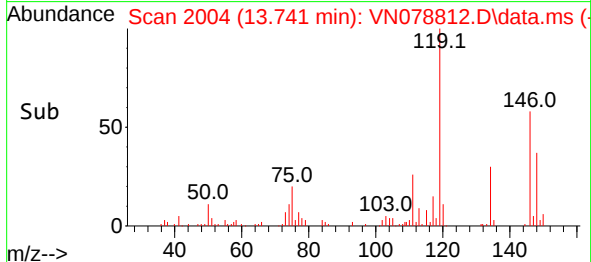
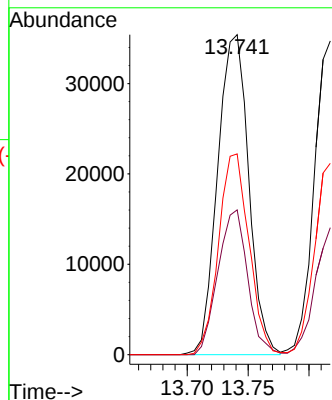
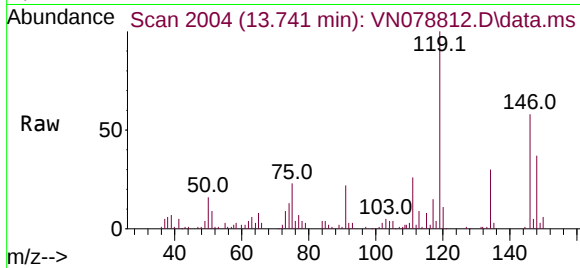




#83  
1,3-Dichlorobenzene  
Concen: 20.361 ug/l  
RT: 13.741 min Scan# 2004  
Delta R.T. 0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

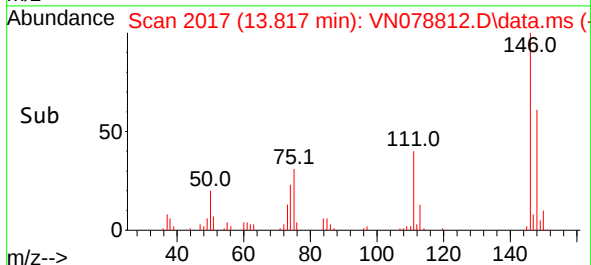
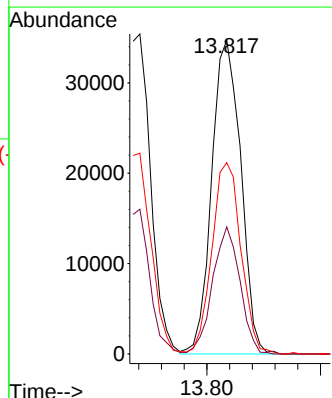
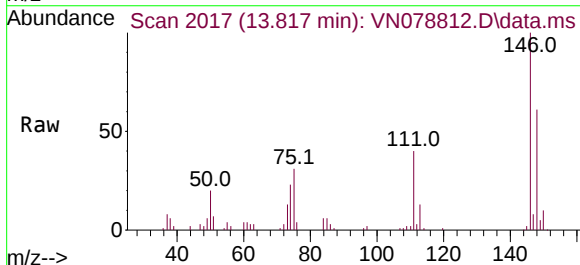
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

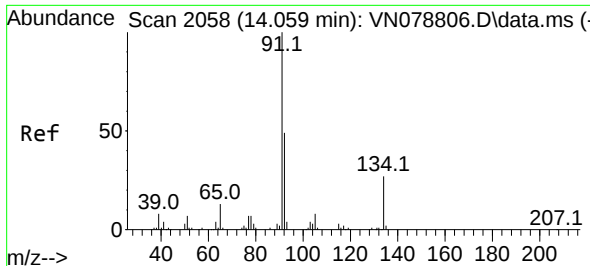
Tgt Ion:146 Resp: 62906  
Ion Ratio Lower Upper  
146 100  
111 43.3 21.6 64.6  
148 61.7 31.9 95.5



#84  
1,4-Dichlorobenzene  
Concen: 20.907 ug/l  
RT: 13.817 min Scan# 2017  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion:146 Resp: 61686  
Ion Ratio Lower Upper  
146 100  
111 38.1 19.4 58.2  
148 60.9 31.4 94.3

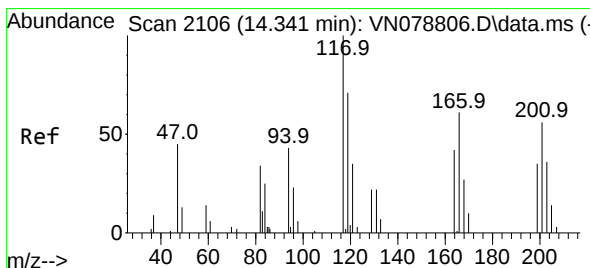
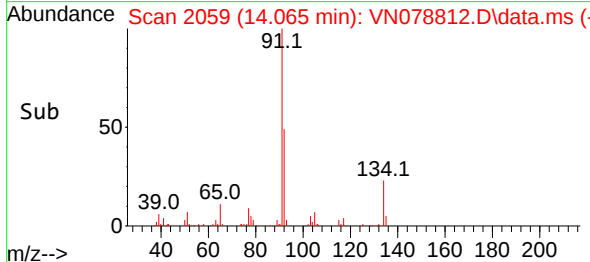
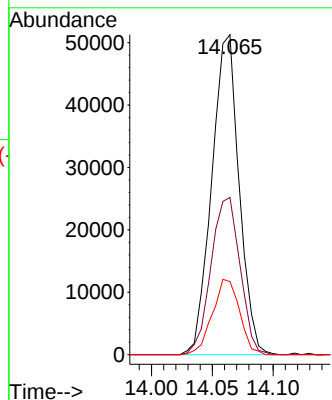
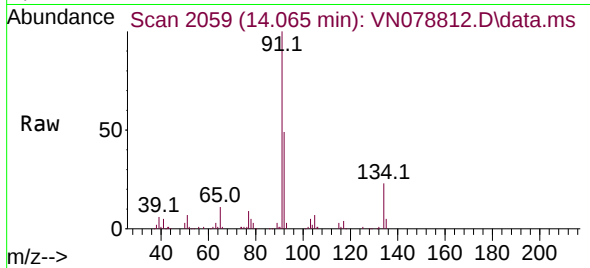




#85  
n-Butylbenzene  
Concen: 19.096 ug/l  
RT: 14.065 min Scan# 2058  
Delta R.T. 0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

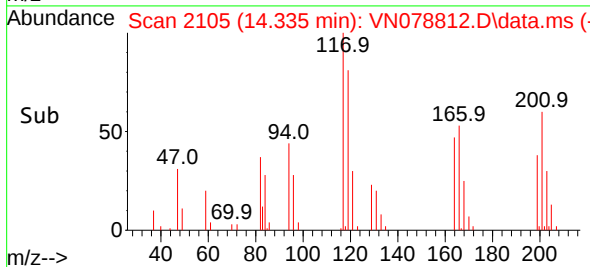
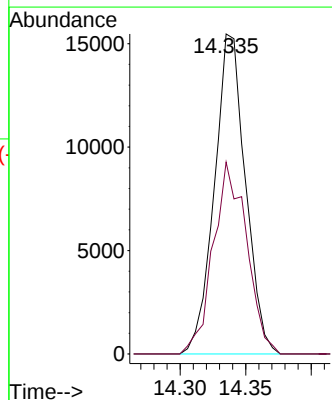
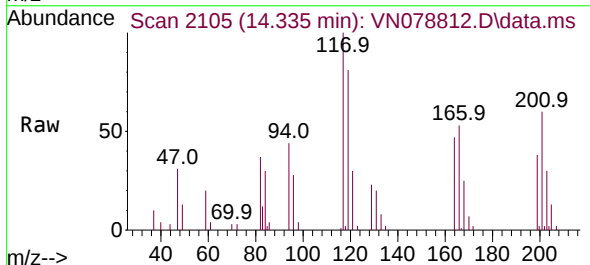
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

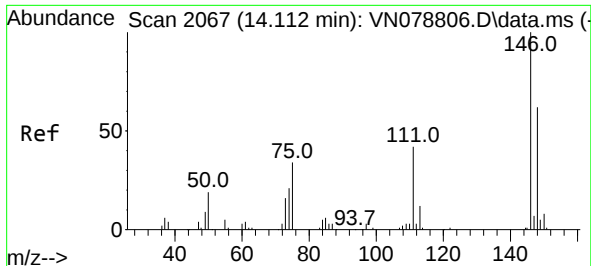
Tgt Ion: 91 Resp: 80322  
Ion Ratio Lower Upper  
91 100  
92 52.0 0.0 99.6  
134 23.4 0.0 50.0



#86  
Hexachloroethane  
Concen: 21.163 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion: 117 Resp: 25481  
Ion Ratio Lower Upper  
117 100  
201 64.4 34.2 102.6

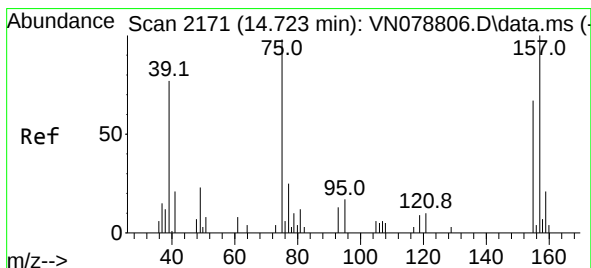
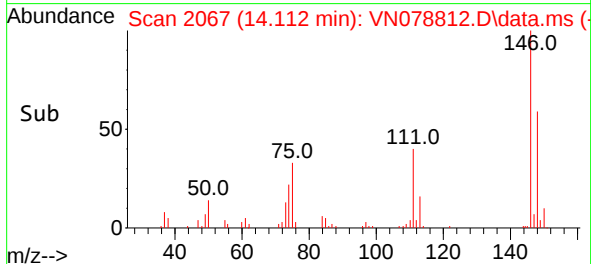
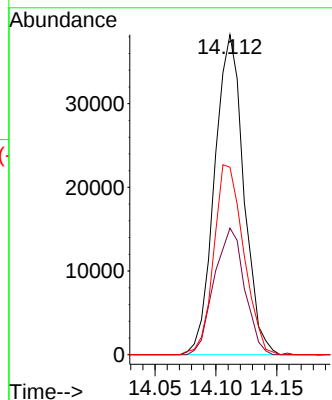
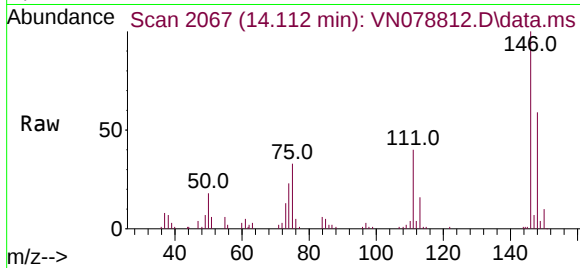




#87  
 1,2-Dichlorobenzene  
 Concen: 20.970 ug/l  
 RT: 14.112 min Scan# 2067  
 Delta R.T. -0.000 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

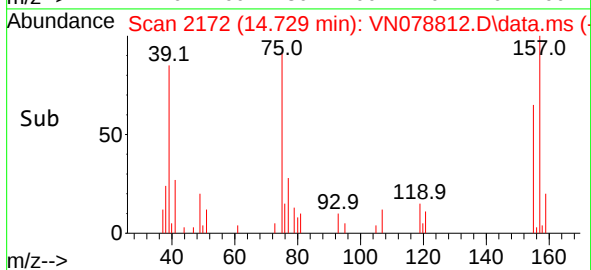
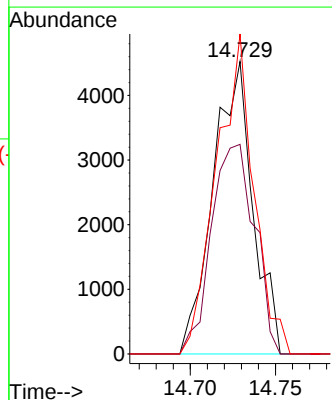
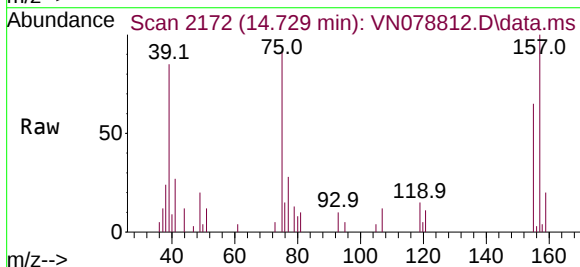
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 ClientSampleId :  
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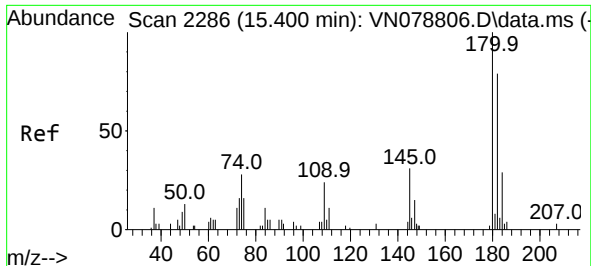
Tgt Ion:146 Resp: 63741  
 Ion Ratio Lower Upper  
 146 100  
 111 41.0 22.4 67.3  
 148 60.8 33.4 100.1



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.259 ug/l  
 RT: 14.729 min Scan# 2172  
 Delta R.T. 0.006 min  
 Lab File: VN078812.D  
 Acq: 09 Aug 2023 11:19

Tgt Ion: 75 Resp: 7351  
 Ion Ratio Lower Upper  
 75 100  
 155 77.9 68.2 102.2  
 157 102.7 84.7 127.1

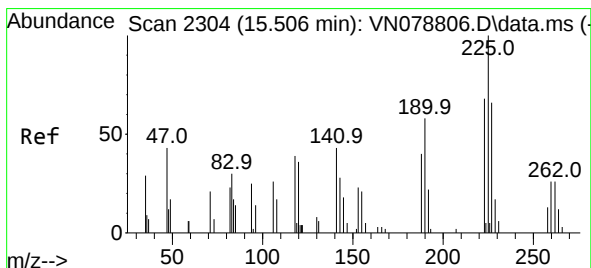
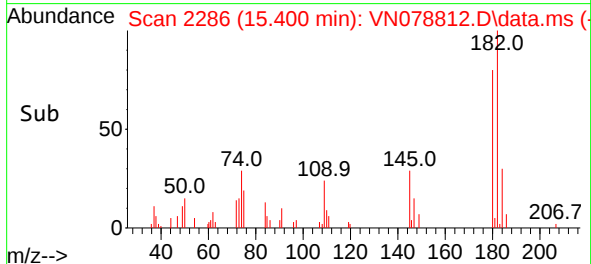
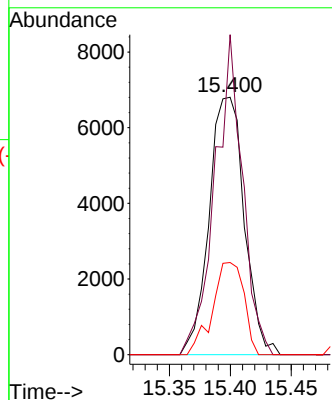
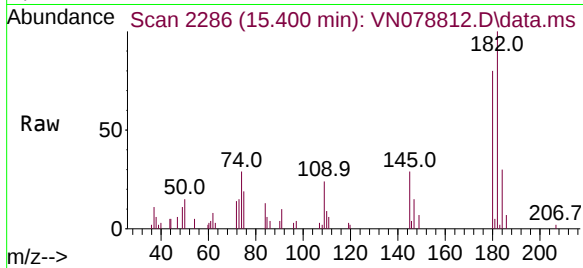




#89  
1,2,4-Trichlorobenzene  
Concen: 16.264 ug/l  
RT: 15.400 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

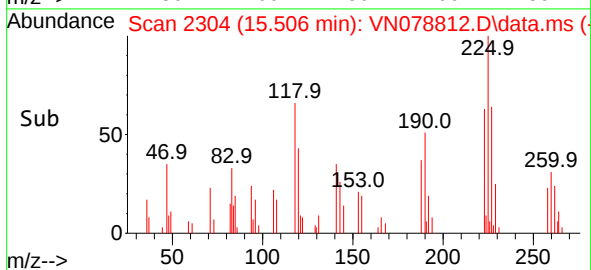
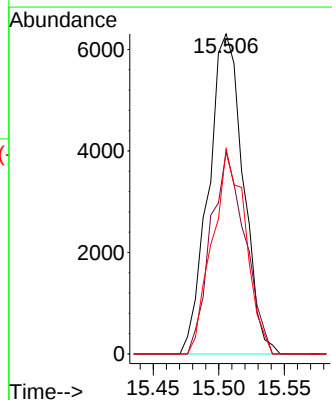
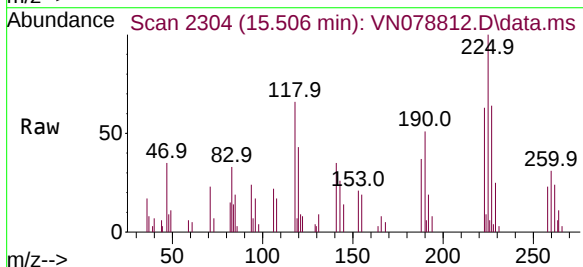
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ClientSampleId :  
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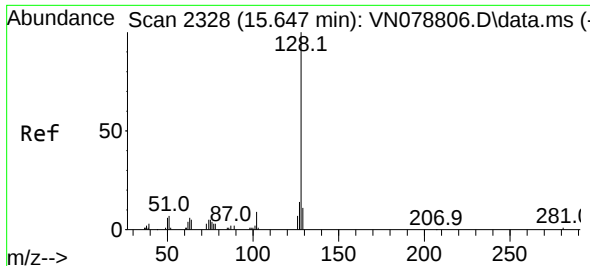
Tgt Ion:180 Resp: 13683  
Ion Ratio Lower Upper  
180 100  
182 97.4 73.7 110.5  
145 32.0 25.0 37.6



#90  
Hexachlorobutadiene  
Concen: 18.746 ug/l  
RT: 15.506 min Scan# 2304  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion:225 Resp: 11611  
Ion Ratio Lower Upper  
225 100  
223 62.6 0.0 130.0  
227 61.1 0.0 124.0

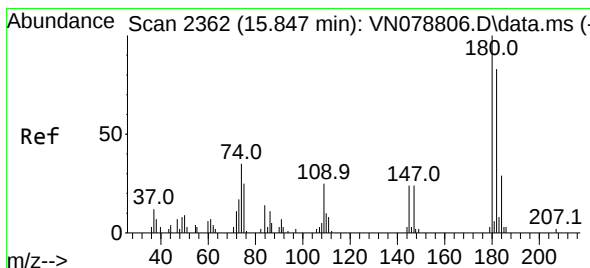
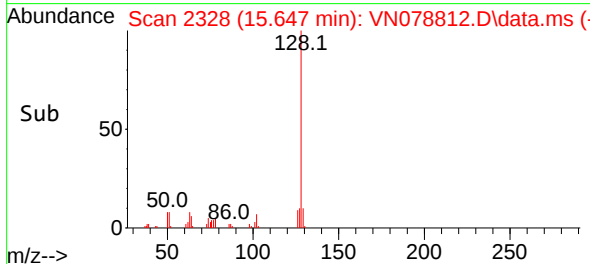
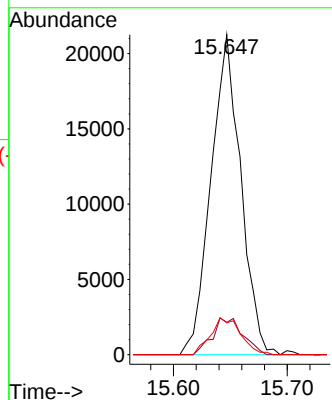
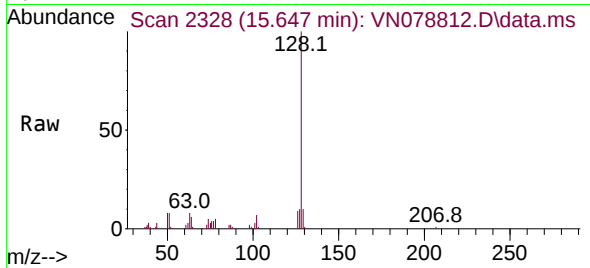




#91  
Naphthalene  
Concen: 14.716 ug/l  
RT: 15.647 min Scan# 2328  
Delta R.T. -0.000 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:128 Resp: 38715  
Ion Ratio Lower Upper  
128 100  
127 11.7 10.2 15.2  
129 11.7 9.0 13.4



#92  
1,2,3-Trichlorobenzene  
Concen: 16.209 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.006 min  
Lab File: VN078812.D  
Acq: 09 Aug 2023 11:19

Tgt Ion:180 Resp: 15994  
Ion Ratio Lower Upper  
180 100  
182 103.1 0.0 196.4  
145 42.8 0.0 71.0

