

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051622\  
 Data File : VN072498.D  
 Acq On : 16 May 2022 13:28  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: May 16 13:44:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N051622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon May 16 13:19:02 2022  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                        |           |       |          |          |             |          |
| Internal Standards           |           |       |          |          |             |          |
| 1) Bromochloromethane        | 7.657     | 128   | 26915    | 30.000   | ug/l        | 0.00     |
| 28) 1,4-Difluorobenzene      | 8.963     | 114   | 147653   | 30.000   | ug/l        | 0.00     |
| 57) Chlorobenzene-d5         | 11.739    | 117   | 139980   | 30.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |           |       |          |          |             |          |
| 27) 1,2-Dichloroethane-d4    | 8.434     | 65    | 90151    | 36.900   | ug/l        | 0.00     |
| Spiked Amount                | 30.000    | Range | 91 - 110 | Recovery | = 123.000%# |          |
| 60) 4-Bromofluorobenzene     | 12.727    | 95    | 86346    | 37.321   | ug/l        | 0.00     |
| Spiked Amount                | 30.000    | Range | 63 - 112 | Recovery | = 124.400%# |          |
| 63) Toluene-d8               | 10.439    | 98    | 230205   | 33.496   | ug/l        | 0.00     |
| Spiked Amount                | 30.000    | Range | 91 - 112 | Recovery | = 111.667%  |          |
| Target Compounds             |           |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.069     | 85    | 212800   | 129.275  | ug/l        | 97       |
| 3) Chloromethane             | 2.299     | 50    | 190198   | 106.969  | ug/l        | 98       |
| 4) Vinyl Chloride            | 2.440     | 62    | 160162   | 86.071   | ug/l        | 99       |
| 5) Bromomethane              | 2.816     | 94    | 143857   | 129.812  | ug/l        | 99       |
| 6) Chloroethane              | 2.981     | 64    | 102403   | 86.599   | ug/l        | 98       |
| 7) Trichlorofluoromethane    | 3.357     | 101   | 378619   | 135.077  | ug/l        | 95       |
| 8) Diethyl Ether             | 3.822     | 74    | 114138   | 111.666  | ug/l        | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 4.204     | 101   | 181712   | 119.724  | ug/l #      | 68       |
| 10) 1,1-Dichloroethene       | 4.175     | 96    | 167652   | 116.852  | ug/l        | 93       |
| 11) Methyl Iodide            | 4.416     | 142   | 262204   | 124.472  | ug/l        | 94       |
| 12) Methyl Acetate           | 4.851     | 43    | 260782   | 120.185  | ug/l        | 96       |
| 13) Acrolein                 | 4.034     | 56    | 211122   | 787.278  | ug/l        | 97       |
| 14) Acrylonitrile            | 5.546     | 53    | 561636   | 600.440  | ug/l        | 100      |
| 15) Acetone                  | 4.287     | 58    | 147076   | 566.258  | ug/l        | 81       |
| 16) Carbon Disulfide         | 4.528     | 76    | 435809   | 115.753  | ug/l        | 98       |
| 17) Allyl chloride           | 4.840     | 41    | 304787   | 126.035  | ug/l        | 92       |
| 18) Methylene Chloride       | 5.093     | 84    | 194333   | 111.968  | ug/l        | 95       |
| 19) trans-1,2-Dichloroethene | 5.593     | 96    | 179886   | 115.482  | ug/l        | 91       |
| 20) Diisopropyl ether        | 6.493     | 45    | 621799   | 123.242  | ug/l        | 97       |
| 21) 1,1-Dichloroethane       | 6.387     | 63    | 366088   | 119.812  | ug/l        | 99       |
| 22) cis-1,2-Dichloroethene   | 7.322     | 96    | 216249   | 116.037  | ug/l        | 95       |
| 23) tert-Butyl Alcohol       | 5.375     | 59    | 247065   | 682.923  | ug/l #      | 100      |
| 24) Methyl tert-Butyl Ether  | 5.610     | 73    | 703918   | 129.286  | ug/l        | 98       |
| 25) Chloroform               | 7.810     | 83    | 398463   | 126.238  | ug/l        | 98       |
| 26) Cyclohexane              | 8.092     | 56    | 314452   | 122.222  | ug/l #      | 98       |
| 29) 1,1-Dichloropropene      | 8.216     | 75    | 285367   | 126.452  | ug/l        | 96       |
| 30) 2-Butanone               | 7.328     | 43    | 799375   | 619.906  | ug/l        | 97       |
| 31) 2,2-Dichloropropane      | 7.322     | 77    | 354400   | 134.227  | ug/l        | 94       |
| 32) 1,1,1-Trichloroethane    | 8.010     | 97    | 395019   | 138.548  | ug/l        | 100      |
| 33) Carbon Tetrachloride     | 8.204     | 117   | 356276   | 142.409  | ug/l        | 99       |
| 34) Benzene                  | 8.457     | 78    | 784609   | 114.271  | ug/l        | 98       |
| 35) Methacrylonitrile        | 7.634     | 41    | 175174   | 139.277  | ug/l        | 92       |
| 36) 1,2-Dichloroethane       | 8.522     | 62    | 358568   | 133.131  | ug/l        | 98       |
| 37) Trichloroethene          | 9.210     | 130   | 211133   | 116.895  | ug/l        | 93       |
| 38) Methylcyclohexane        | 9.457     | 83    | 338522   | 122.429  | ug/l        | 94       |
| 39) 1,2-Dichloropropane      | 9.486     | 63    | 197074   | 113.684  | ug/l        | 97       |
| 40) Dibromomethane           | 9.575     | 93    | 153317   | 124.943  | ug/l        | 91       |
| 41) Bromodichloromethane     | 9.757     | 83    | 332793   | 134.042  | ug/l        | 91       |
| 42) Vinyl Acetate            | 6.428     | 43    | 2829203  | 643.459  | ug/l        | 99       |

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 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: May 16 13:44:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N051622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon May 16 13:19:02 2022  
 Response via : Initial Calibration

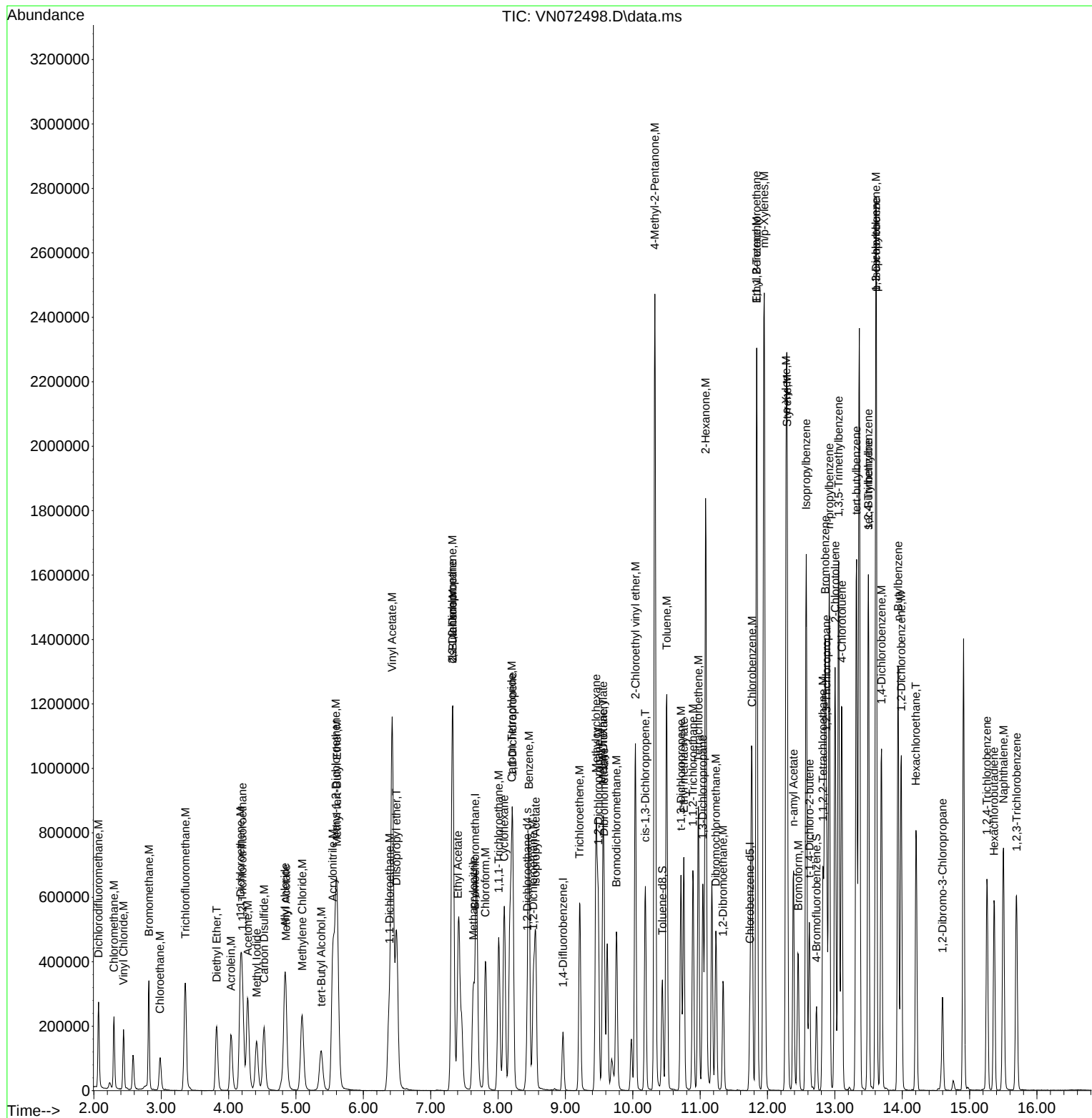
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|-------------------------------|--------|------|----------|----------|--------|----------|
| 43) Ethyl Acetate             | 7.404  | 43   | 318935   | 129.733  | ug/l   | 96       |
| 44) Isopropyl Acetate         | 8.557  | 43   | 508598   | 125.838  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 9.563  | 88   | 97905    | 2467.101 | ug/l   | 94       |
| 46) Methyl methacrylate       | 9.557  | 41   | 241106   | 136.184  | ug/l   | 88       |
| 47) n-amyl Acetate            | 12.386 | 43   | 374314   | 142.169  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 10.716 | 75   | 359632   | 135.370  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 10.186 | 75   | 353874   | 124.633  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 10.892 | 97   | 210125   | 119.313  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 10.757 | 69   | 348798   | 127.847  | ug/l   | 91       |
| 52) 1,3-Dichloropropane       | 11.039 | 76   | 365787   | 120.751  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.233 | 129  | 259866   | 133.037  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.339 | 107  | 227451   | 124.566  | ug/l   | 95       |
| 55) 2-Chloroethyl vinyl ether | 10.039 | 63   | 460856   | 667.975  | ug/l   | 99       |
| 56) Bromoform                 | 12.457 | 173  | 199818   | 136.776  | ug/l # | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.328 | 43   | 1604715  | 632.501  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.080 | 43   | 1198273  | 644.703  | ug/l   | 99       |
| 61) Tetrachloroethene         | 10.975 | 164  | 197312   | 120.818  | ug/l   | 93       |
| 62) Toluene                   | 10.504 | 91   | 912415   | 117.352  | ug/l   | 97       |
| 64) Chlorobenzene             | 11.769 | 112  | 575974   | 119.939  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.839 | 131  | 235938   | 126.517  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.839 | 91   | 1066631  | 124.513  | ug/l   | 100      |
| 67) m/p-Xylenes               | 11.951 | 106  | 808210   | 245.621  | ug/l   | 94       |
| 68) o-Xylene                  | 12.274 | 106  | 402142   | 122.580  | ug/l   | 95       |
| 69) Styrene                   | 12.292 | 104  | 658398   | 127.495  | ug/l   | 96       |
| 70) Isopropylbenzene          | 12.574 | 105  | 1086515  | 130.225  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.822 | 83   | 317120   | 118.612  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 12.874 | 75   | 426135   | 179.835  | ug/l   | 55       |
| 73) Bromobenzene              | 12.857 | 156  | 255341   | 125.687  | ug/l   | 99       |
| 74) n-propylbenzene           | 12.916 | 91   | 1224099  | 135.500  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.004 | 91   | 752122   | 129.527  | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene    | 13.057 | 105  | 934237   | 136.958  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.622 | 75   | 107242   | 135.743  | ug/l   | 97       |
| 78) 4-Chlorotoluene           | 13.104 | 91   | 729635   | 135.806  | ug/l   | 95       |
| 79) tert-butylbenzene         | 13.321 | 119  | 817656   | 134.093  | ug/l   | 100      |
| 80) 1,2,4-Trimethylbenzene    | 13.498 | 105  | 1106717  | 166.732  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.498 | 105  | 1106717  | 136.206  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.610 | 119  | 939666   | 141.309  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.610 | 146  | 449218   | 134.258  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.692 | 146  | 441680   | 137.414  | ug/l   | 98       |
| 85) n-Butylbenzene            | 13.939 | 91   | 720986   | 148.701  | ug/l   | 96       |
| 86) Hexachloroethane          | 14.204 | 117  | 166473   | 136.810  | ug/l   | 86       |
| 87) 1,2-Dichlorobenzene       | 13.986 | 146  | 431280   | 132.712  | ug/l   | 100      |
| 88) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 78456    | 149.794  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene    | 15.257 | 180  | 220396   | 151.720  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 15.363 | 225  | 113973   | 126.096  | ug/l   | 98       |
| 91) Naphthalene               | 15.504 | 128  | 712667   | 174.511  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 222211   | 152.972  | ug/l   | 99       |

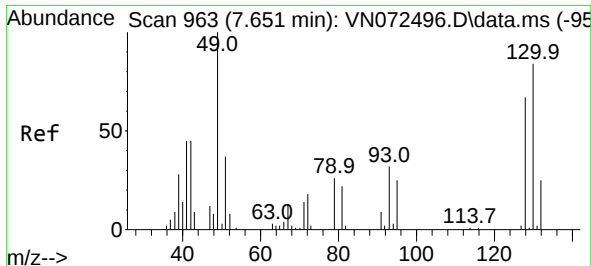
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

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 QLast Update : Mon May 16 13:19:02 2022  
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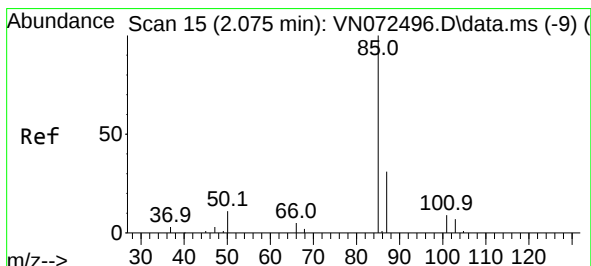
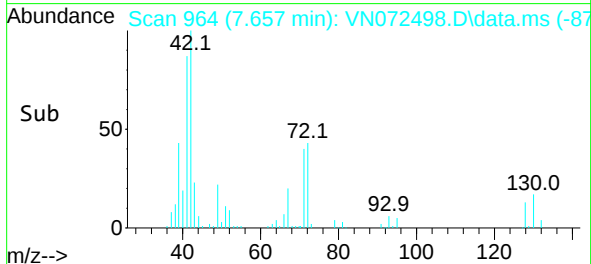
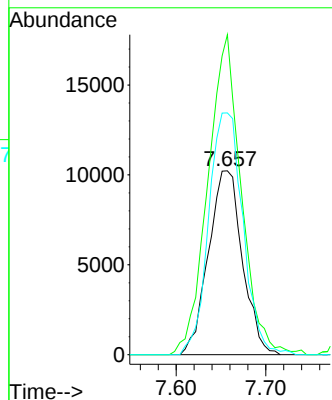
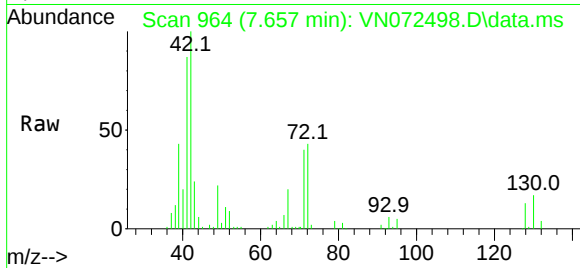




#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 7.657 min Scan# 9  
 Delta R.T. 0.006 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

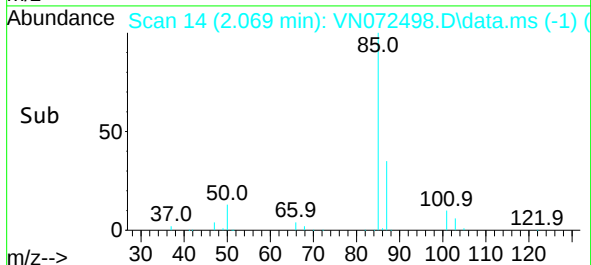
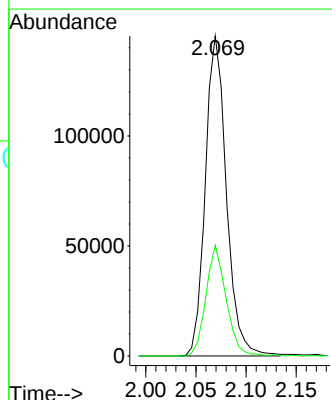
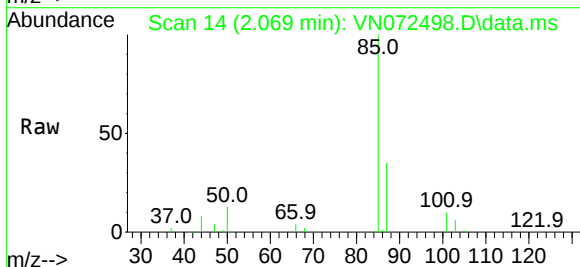
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

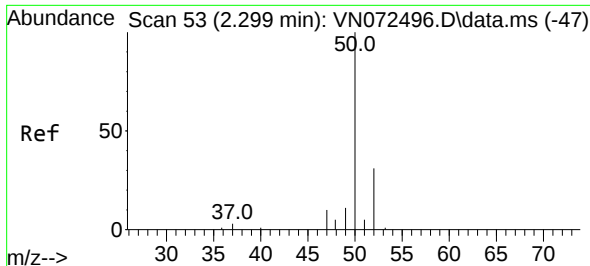
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 26915 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 169.9 | 0.0   | 392.3 |
| 130      | 132.0 | 0.0   | 320.2 |



#2  
 Dichlorodifluoromethane  
 Concen: 129.275 ug/l  
 RT: 2.069 min Scan# 14  
 Delta R.T. -0.006 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 212800 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 34.6  | 16.6  | 49.7   |

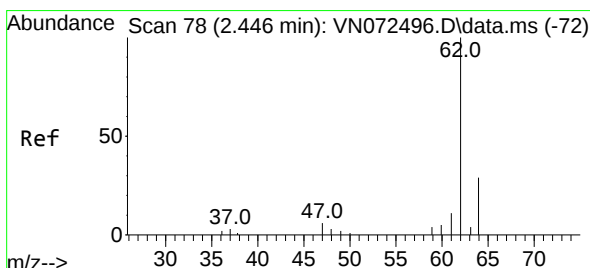
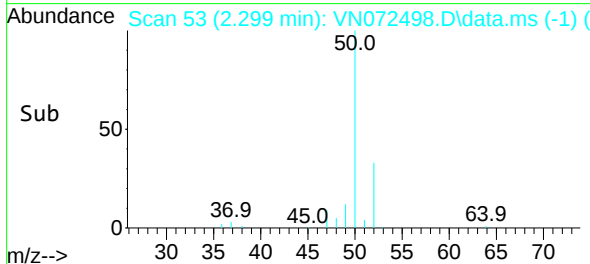
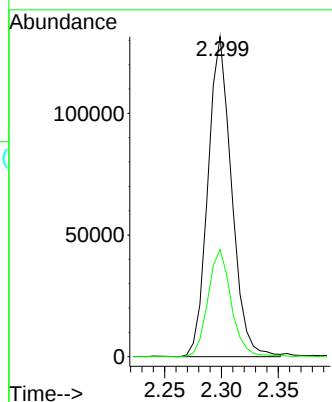
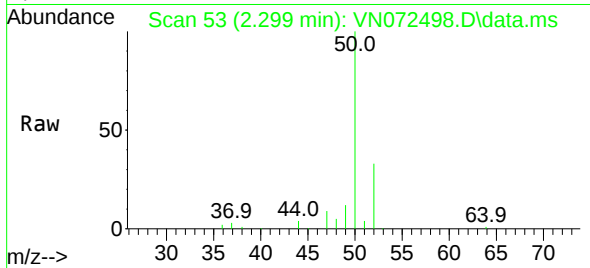




#3  
Chloromethane  
Concen: 106.969 ug/l  
RT: 2.299 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

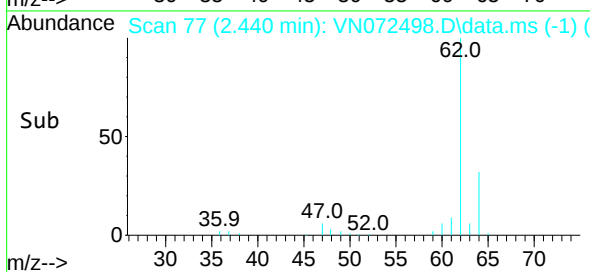
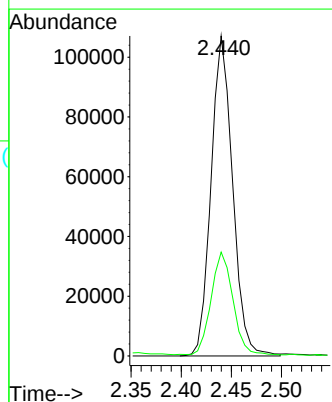
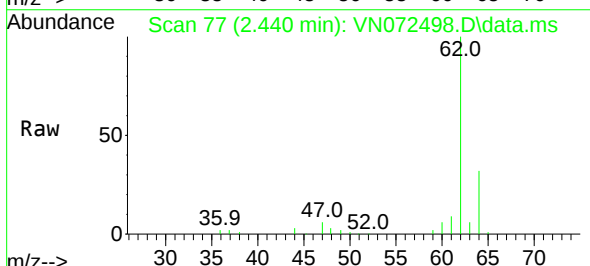
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

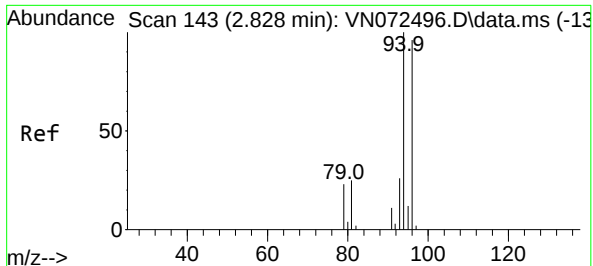
Tgt Ion: 50 Resp: 190198  
Ion Ratio Lower Upper  
50 100  
52 33.5 27.8 41.6



#4  
Vinyl Chloride  
Concen: 86.071 ug/l  
RT: 2.440 min Scan# 77  
Delta R.T. -0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 62 Resp: 160162  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.1 37.7

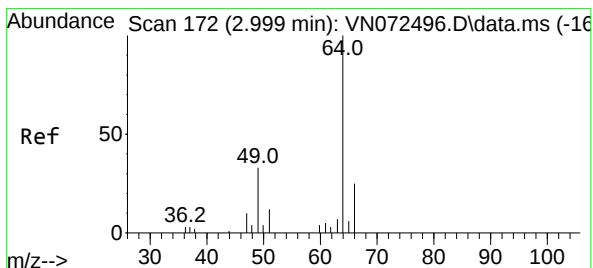
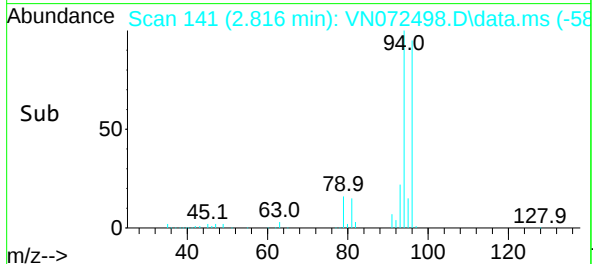
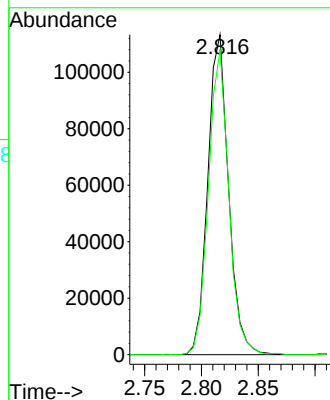
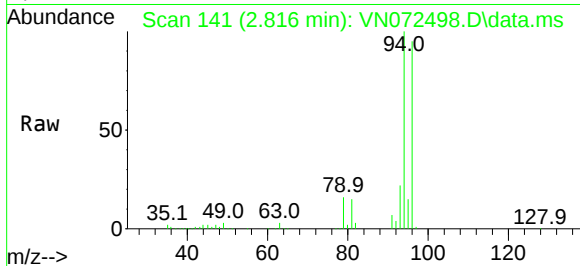




#5  
Bromomethane  
Concen: 129.812 ug/l  
RT: 2.816 min Scan# 14  
Delta R.T. -0.012 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

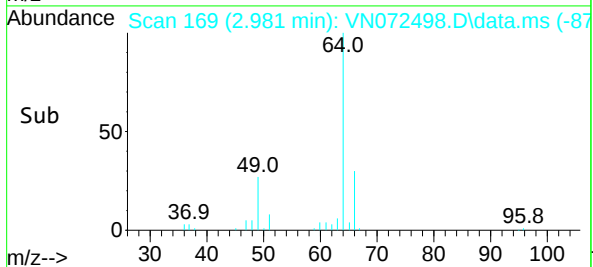
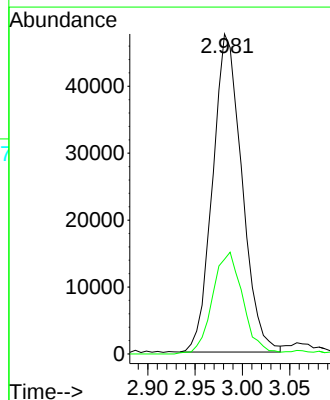
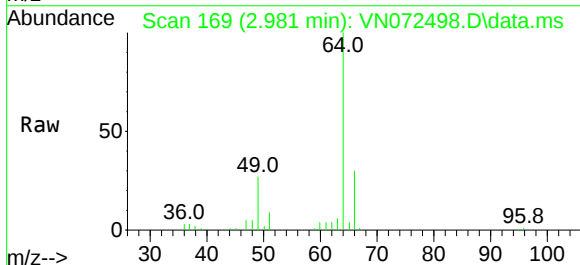
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

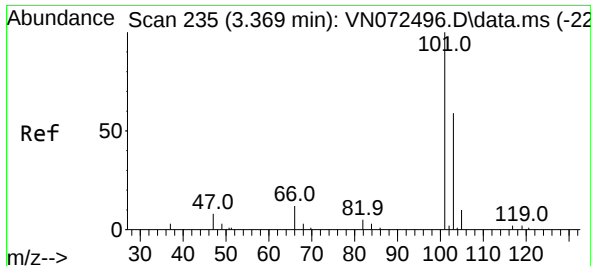
Tgt Ion: 94 Resp: 143857  
Ion Ratio Lower Upper  
94 100  
96 95.2 75.2 112.8



#6  
Chloroethane  
Concen: 86.599 ug/l  
RT: 2.981 min Scan# 169  
Delta R.T. -0.018 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 64 Resp: 102403  
Ion Ratio Lower Upper  
64 100  
66 29.4 24.6 36.8

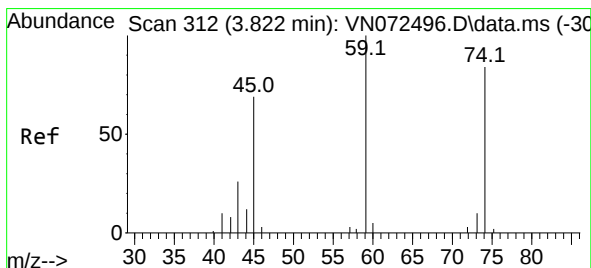
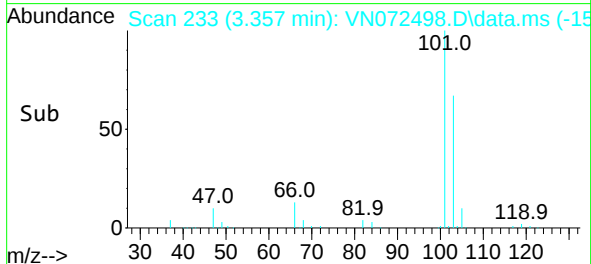
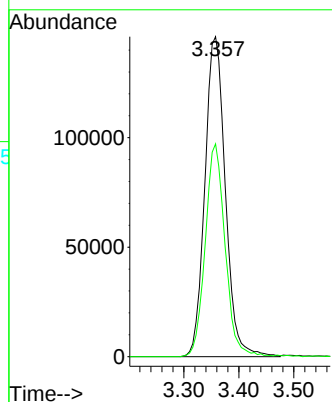
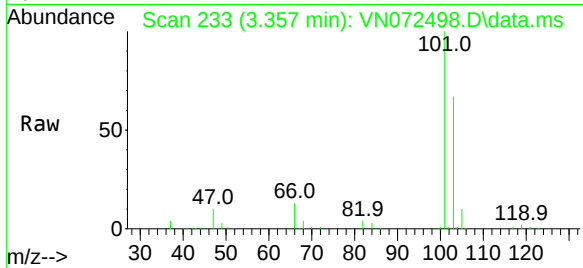




#7  
 Trichlorofluoromethane  
 Concen: 135.077 ug/l  
 RT: 3.357 min Scan# 211  
 Delta R.T. -0.012 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

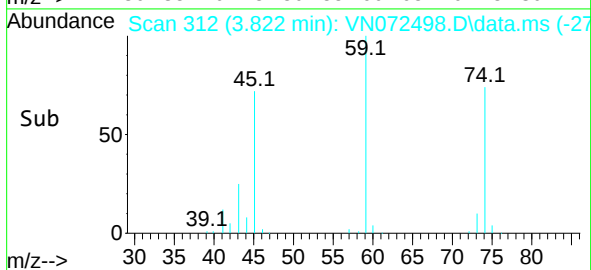
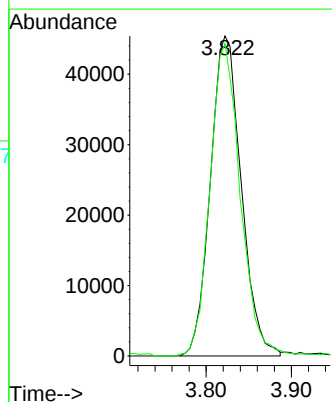
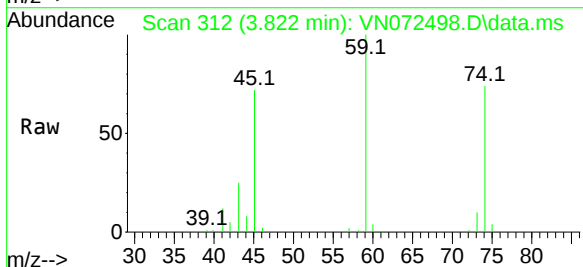
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

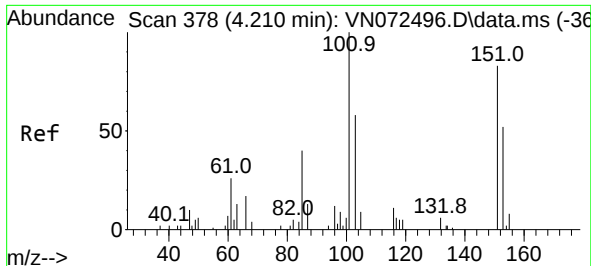
Tgt Ion:101 Resp: 378619  
 Ion Ratio Lower Upper  
 101 100  
 103 66.5 50.1 75.1



#8  
 Diethyl Ether  
 Concen: 111.666 ug/l  
 RT: 3.822 min Scan# 312  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

Tgt Ion: 74 Resp: 114138  
 Ion Ratio Lower Upper  
 74 100  
 45 96.0 17.6 158.8

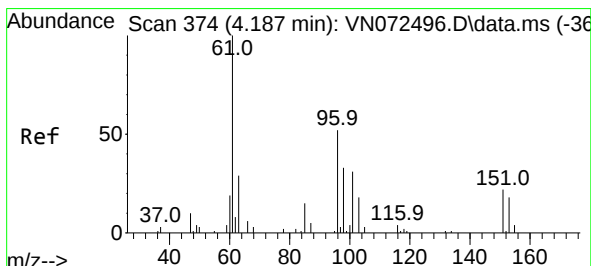
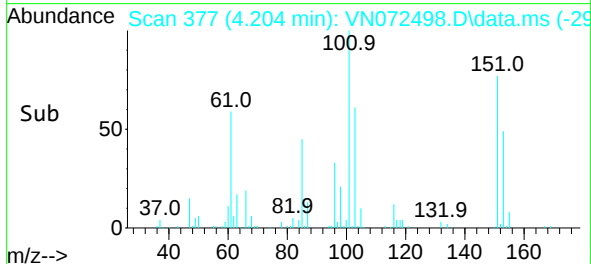
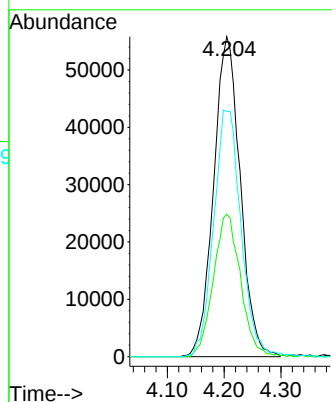
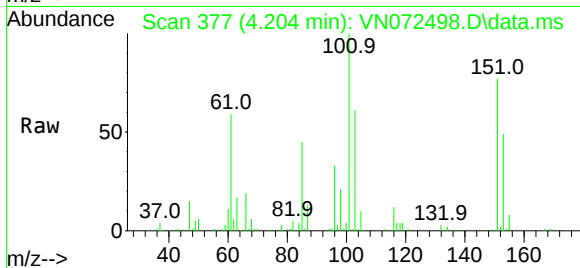




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 119.724 ug/l  
RT: 4.204 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

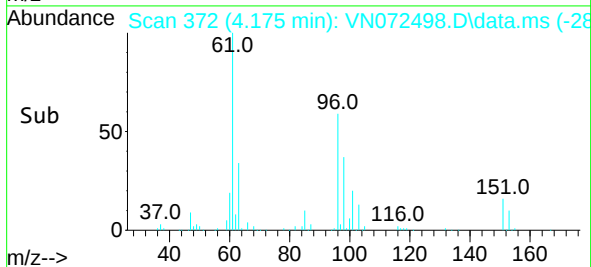
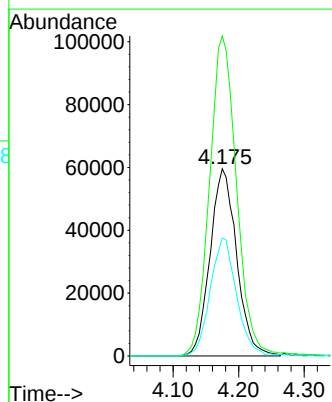
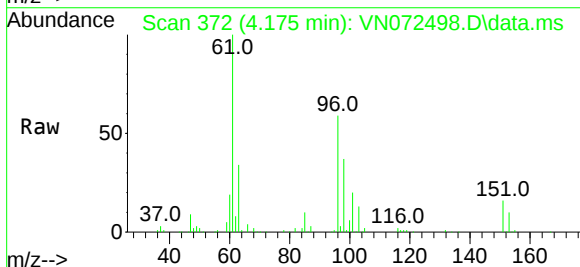
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

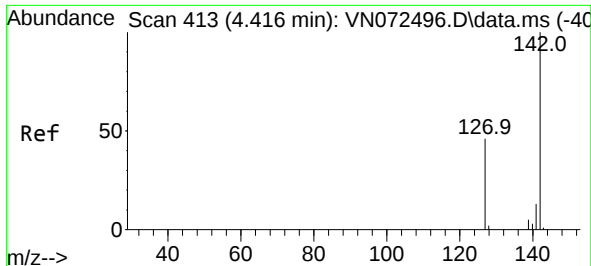
Tgt Ion:101 Resp: 181712  
Ion Ratio Lower Upper  
101 100  
85 45.4 0.0 94.0  
151 79.2 0.0 74.6#



#10  
1,1-Dichloroethene  
Concen: 116.852 ug/l  
RT: 4.175 min Scan# 372  
Delta R.T. -0.012 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

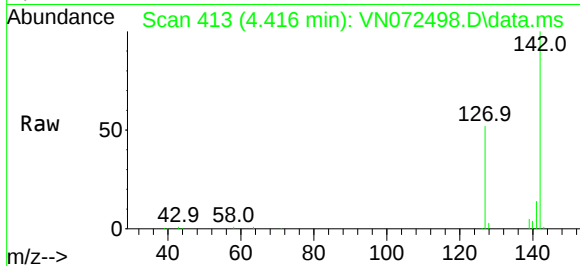
Tgt Ion: 96 Resp: 167652  
Ion Ratio Lower Upper  
96 100  
61 170.9 126.2 189.4  
98 63.0 50.9 76.3



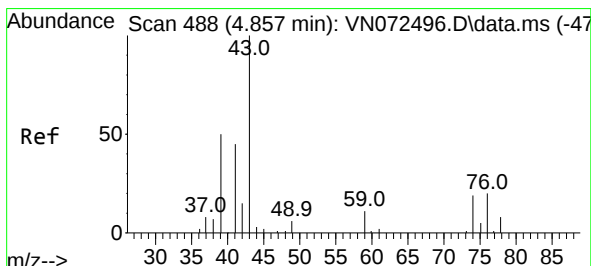
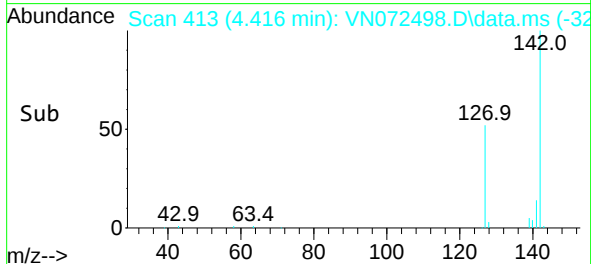
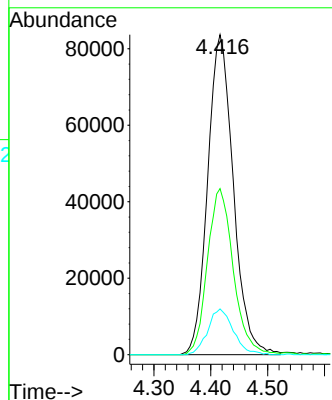


#11  
Methyl Iodide  
Concen: 124.472 ug/l  
RT: 4.416 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

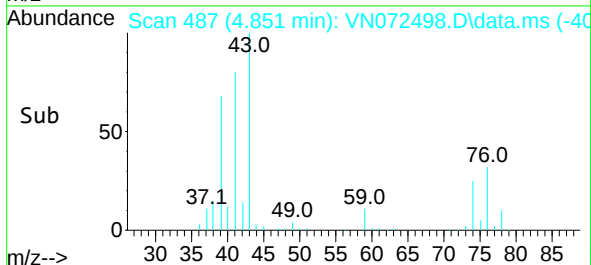
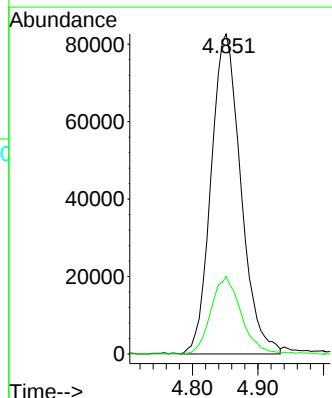
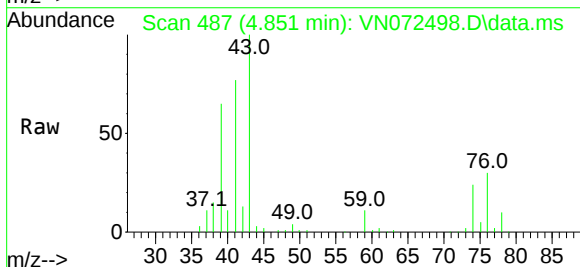


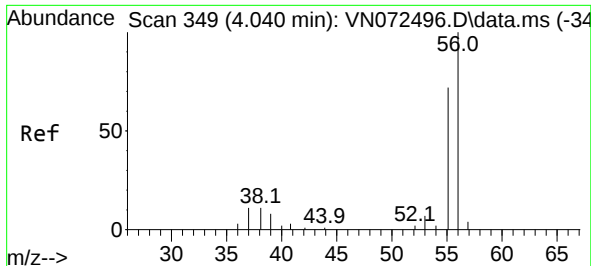
Tgt Ion:142 Resp: 262204  
Ion Ratio Lower Upper  
142 100  
127 51.9 24.0 72.0  
141 14.4 8.4 25.2



#12  
Methyl Acetate  
Concen: 120.185 ug/l  
RT: 4.851 min Scan# 487  
Delta R.T. -0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 43 Resp: 260782  
Ion Ratio Lower Upper  
43 100  
74 24.2 20.8 31.2

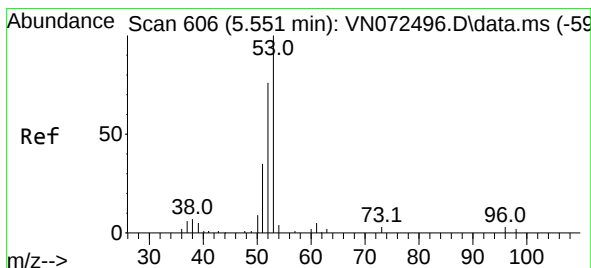
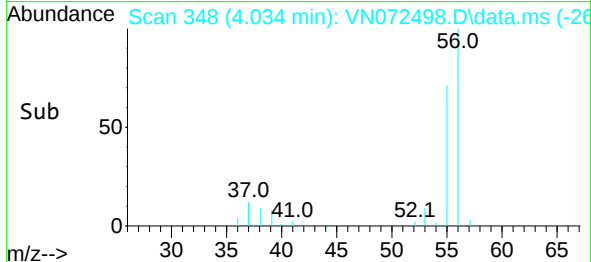
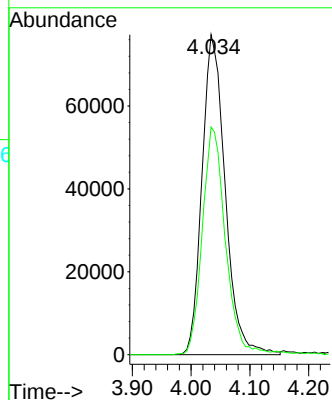
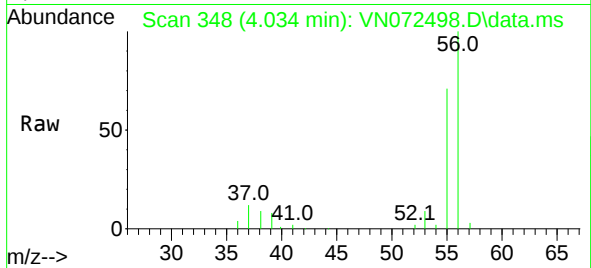




#13  
Acrolein  
Concen: 787.278 ug/l  
RT: 4.034 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

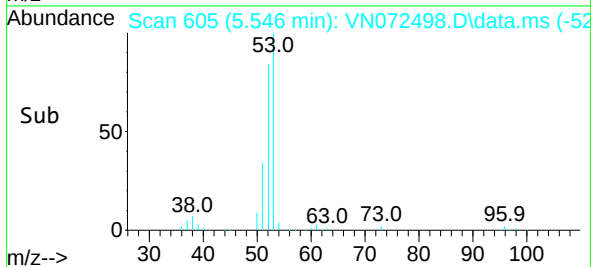
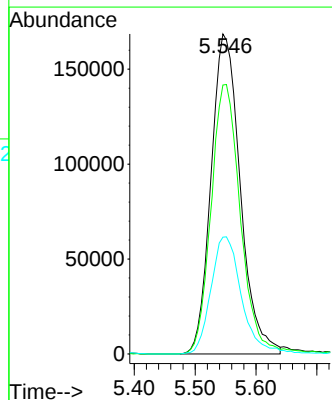
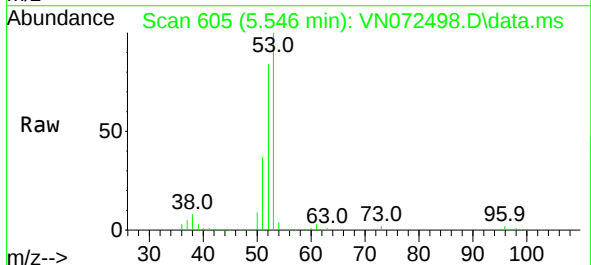
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

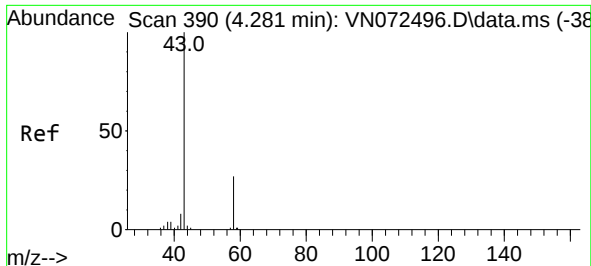
Tgt Ion: 56 Resp: 211122  
Ion Ratio Lower Upper  
56 100  
55 69.7 57.6 86.4



#14  
Acrylonitrile  
Concen: 600.440 ug/l  
RT: 5.546 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 53 Resp: 561636  
Ion Ratio Lower Upper  
53 100  
52 83.9 41.8 125.4  
51 37.7 19.0 57.0





#15

Acetone

Concen: 566.258 ug/l

RT: 4.287 min Scan# 390

Delta R.T. 0.006 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

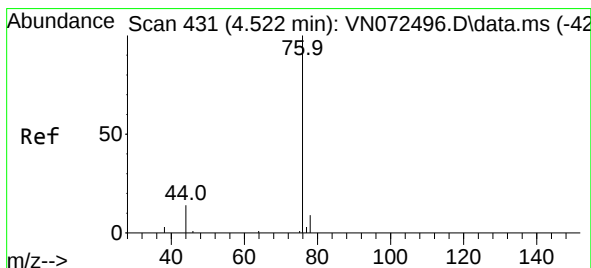
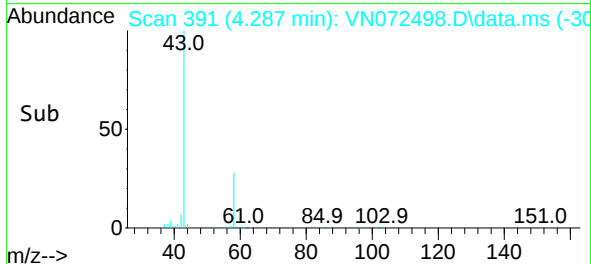
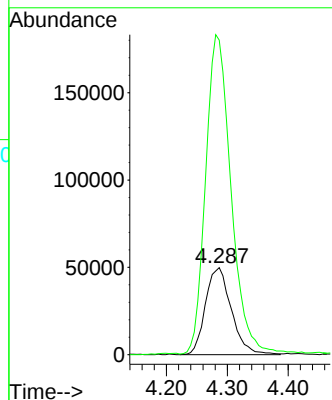
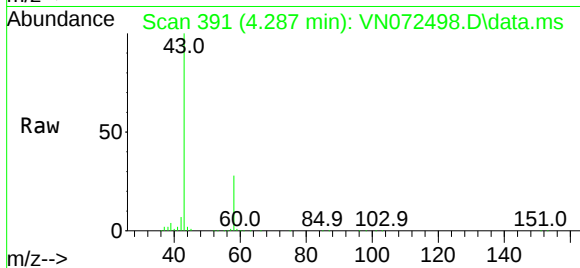
VSTDIC100

Tgt Ion: 58 Resp: 147076

Ion Ratio Lower Upper

58 100

43 360.5 256.6 384.8



#16

Carbon Disulfide

Concen: 115.753 ug/l

RT: 4.528 min Scan# 432

Delta R.T. 0.006 min

Lab File: VN072498.D

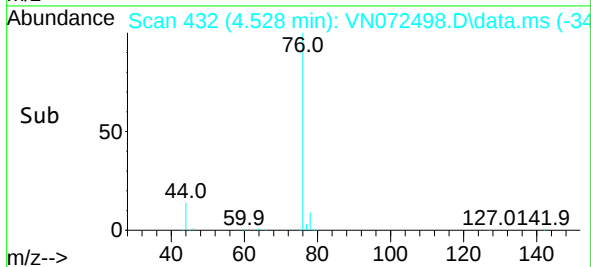
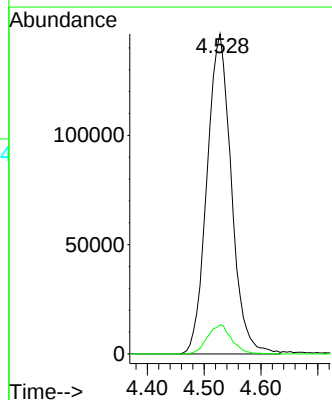
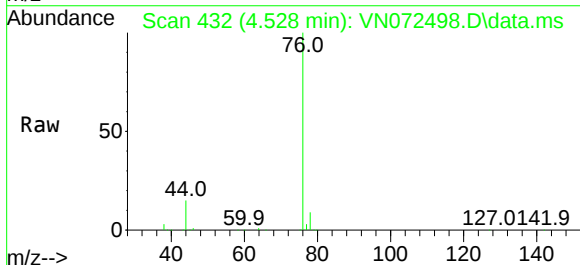
Acq: 16 May 2022 13:28

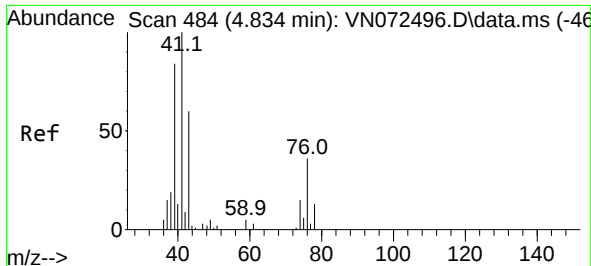
Tgt Ion: 76 Resp: 435809

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.8





#17

Allyl chloride

Concen: 126.035 ug/l

RT: 4.840 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

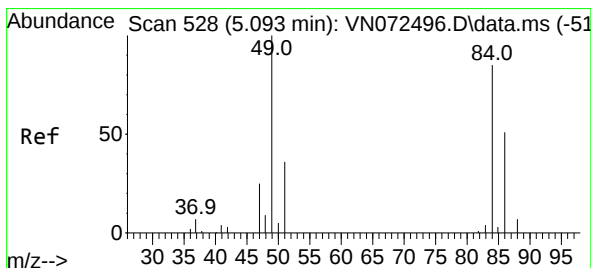
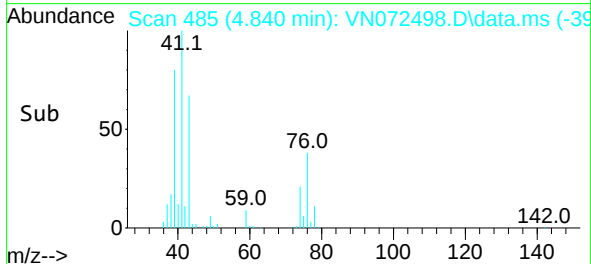
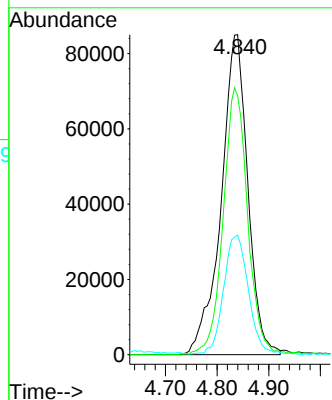
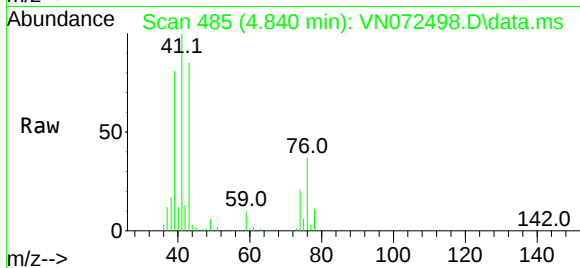
Tgt Ion: 41 Resp: 304787

Ion Ratio Lower Upper

41 100

39 80.6 44.6 134.0

76 36.7 19.6 58.7



#18

Methylene Chloride

Concen: 111.968 ug/l

RT: 5.093 min Scan# 528

Delta R.T. 0.000 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Tgt Ion: 84 Resp: 194333

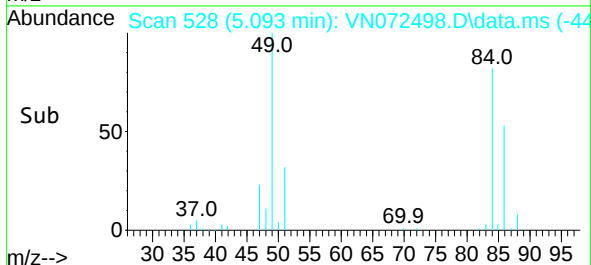
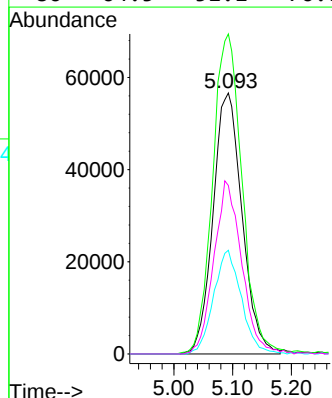
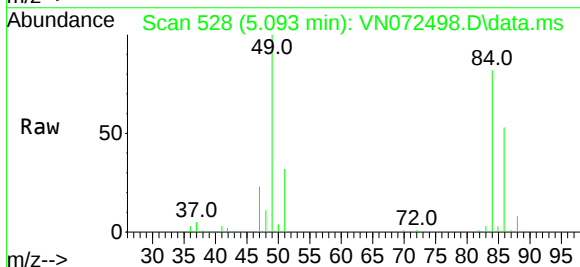
Ion Ratio Lower Upper

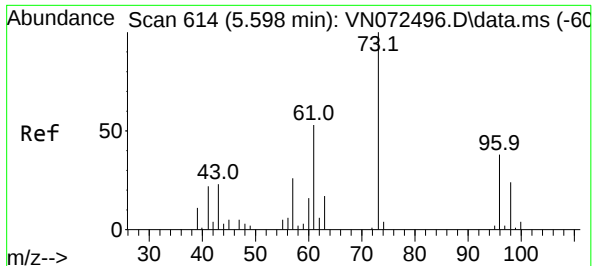
84 100

49 122.2 91.4 137.0

51 39.7 29.4 44.0

86 64.5 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 115.482 ug/l

RT: 5.593 min Scan# 614

Delta R.T. -0.006 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

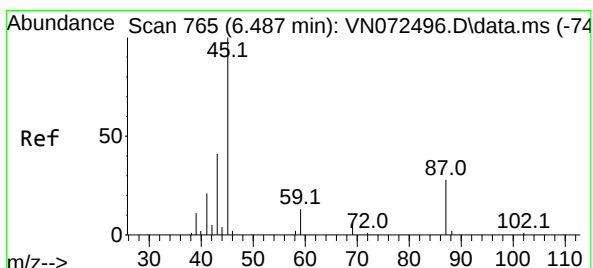
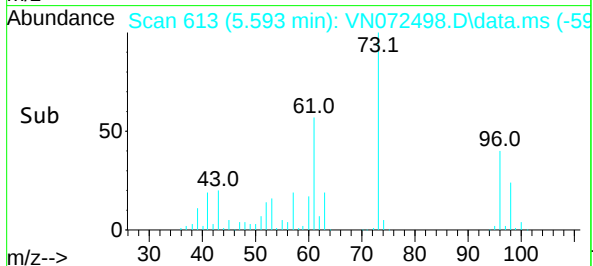
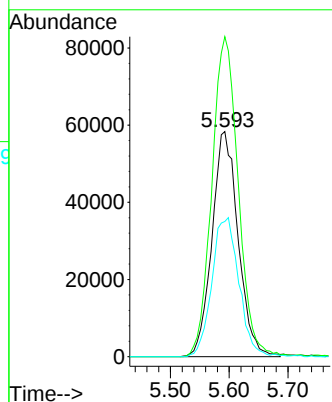
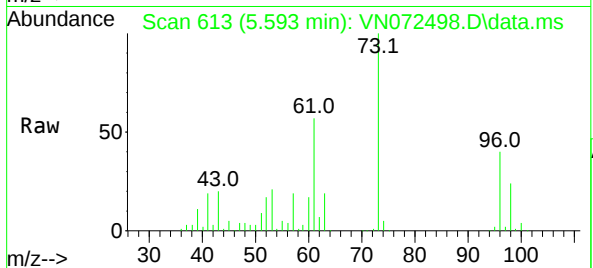
Tgt Ion: 96 Resp: 179886

Ion Ratio Lower Upper

96 100

61 142.2 102.8 154.2

98 60.0 49.3 73.9



#20

Diisopropyl ether

Concen: 123.242 ug/l

RT: 6.493 min Scan# 766

Delta R.T. 0.006 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Tgt Ion: 45 Resp: 621799

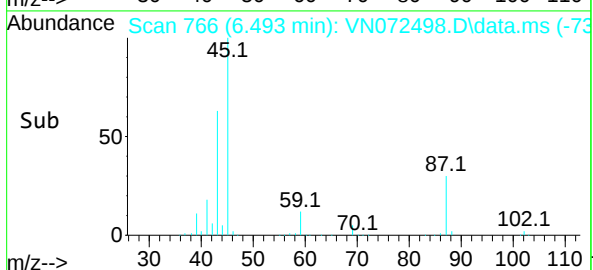
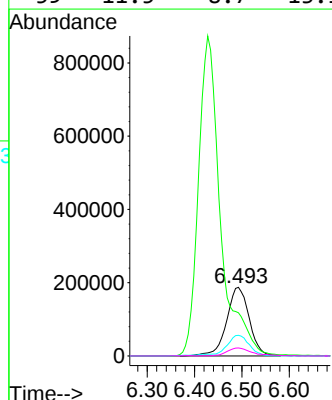
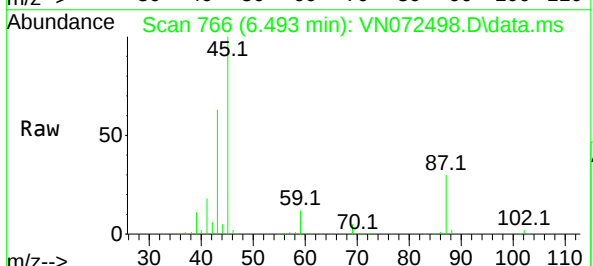
Ion Ratio Lower Upper

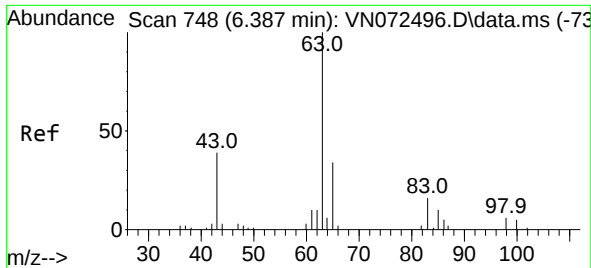
45 100

43 61.4 51.0 76.4

87 29.9 25.0 37.4

59 11.5 8.7 13.1

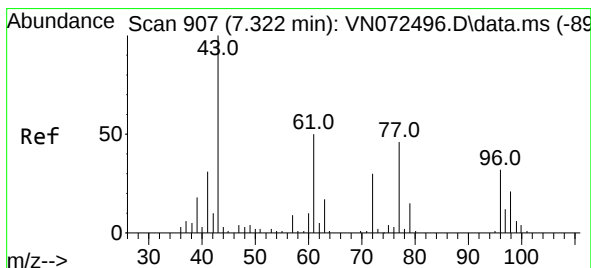
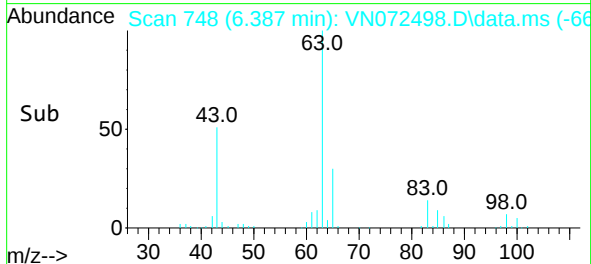
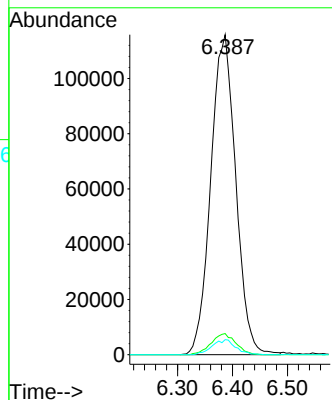
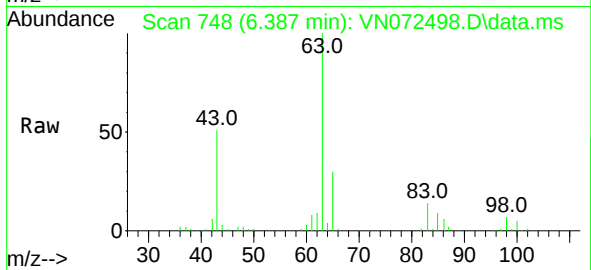




#21  
1,1-Dichloroethane  
Concen: 119.812 ug/l  
RT: 6.387 min Scan# 748  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

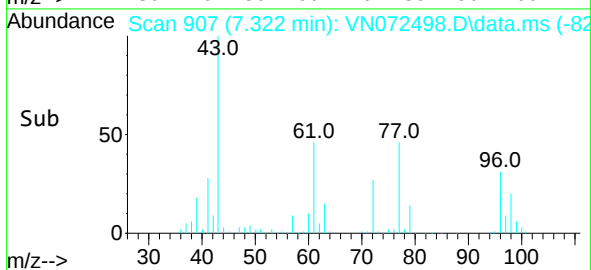
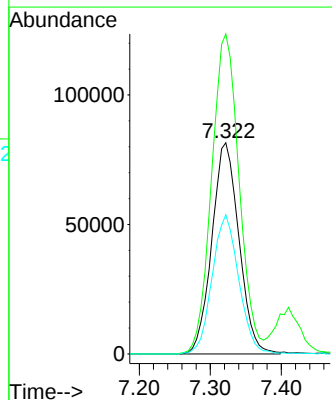
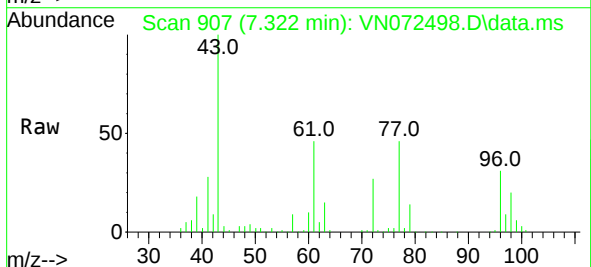
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

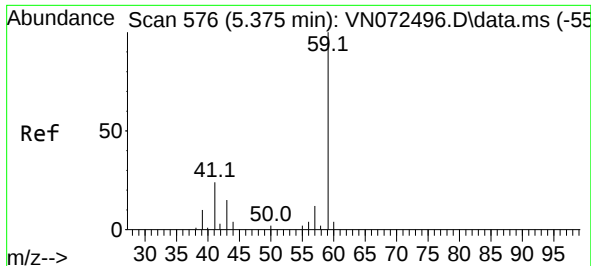
Tgt Ion: 63 Resp: 366088  
Ion Ratio Lower Upper  
63 100  
98 6.6 3.2 9.6  
100 4.7 2.1 6.2



#22  
cis-1,2-Dichloroethene  
Concen: 116.037 ug/l  
RT: 7.322 min Scan# 907  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 96 Resp: 216249  
Ion Ratio Lower Upper  
96 100  
61 153.8 115.7 173.5  
98 64.5 51.6 77.4

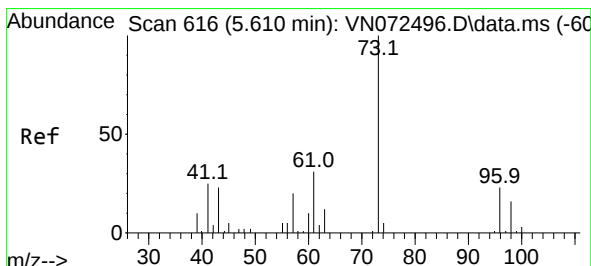
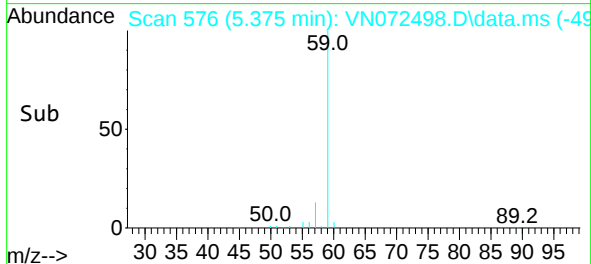
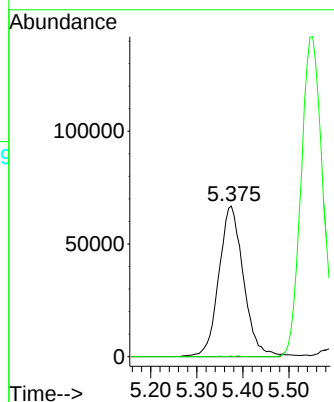
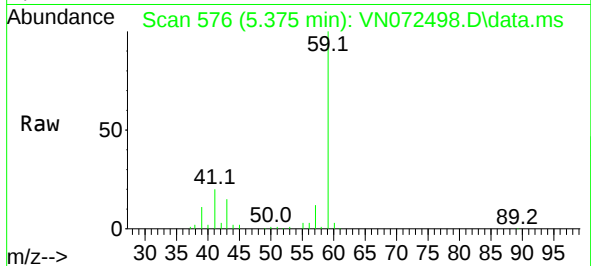




#23  
tert-Butyl Alcohol  
Concen: 682.923 ug/l  
RT: 5.375 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

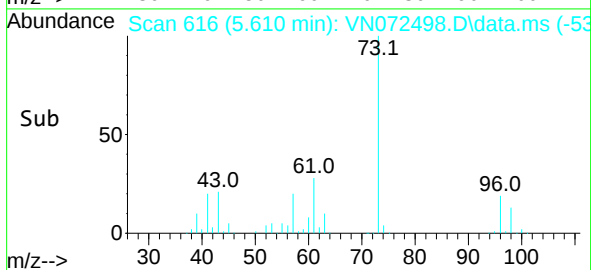
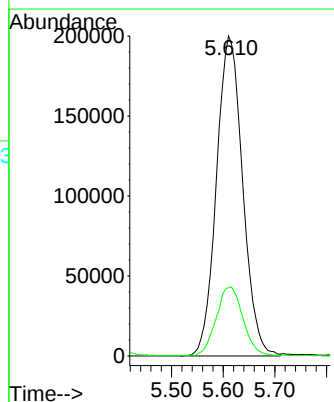
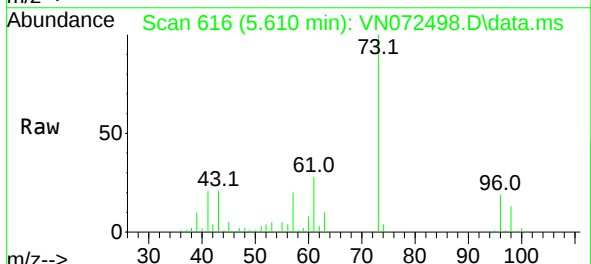
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

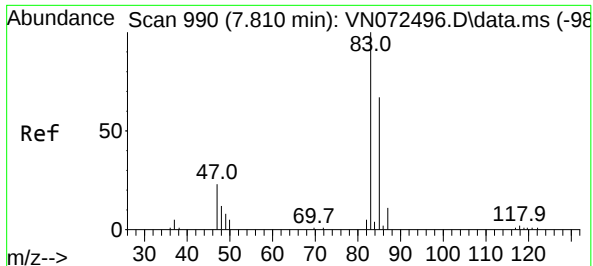
Tgt Ion: 59 Resp: 247065  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.0 0.0#



#24  
Methyl tert-Butyl Ether  
Concen: 129.286 ug/l  
RT: 5.610 min Scan# 616  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 73 Resp: 703918  
Ion Ratio Lower Upper  
73 100  
43 21.8 18.1 27.1

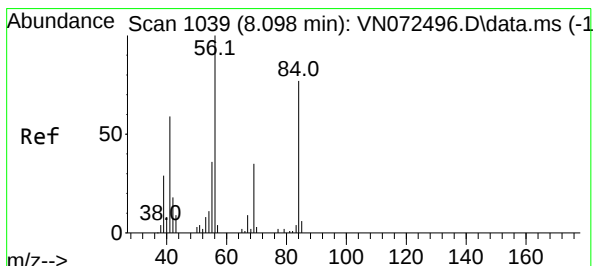
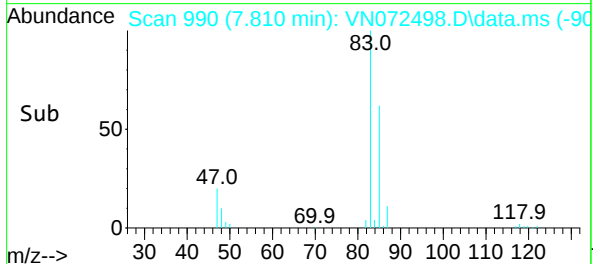
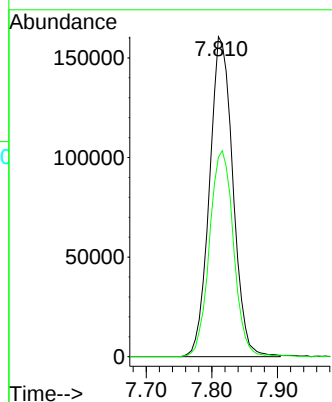
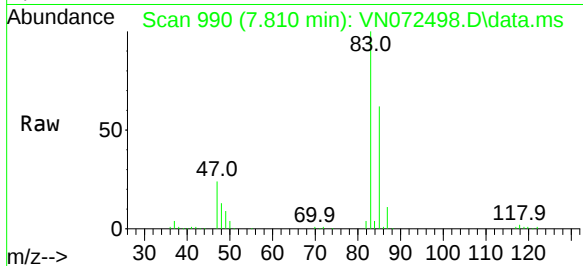




#25  
Chloroform  
Concen: 126.238 ug/l  
RT: 7.810 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

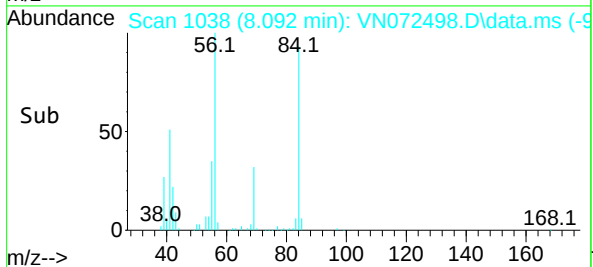
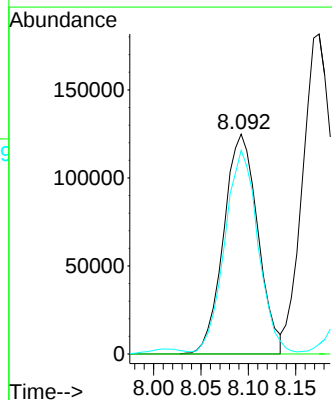
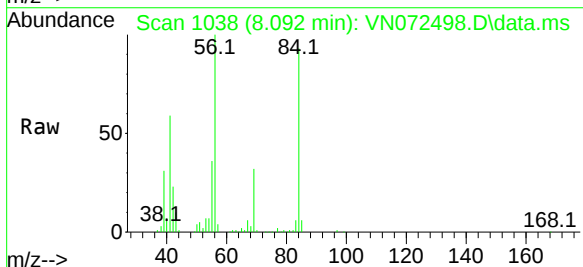
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

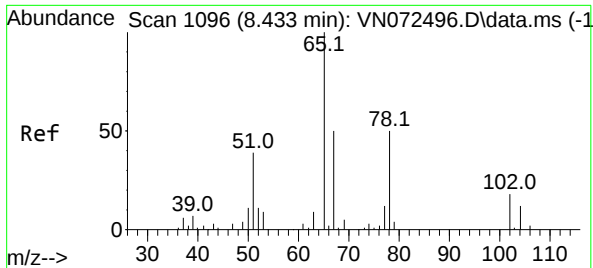
Tgt Ion: 83 Resp: 398463  
Ion Ratio Lower Upper  
83 100  
85 62.4 51.3 76.9



#26  
Cyclohexane  
Concen: 122.222 ug/l  
RT: 8.092 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 56 Resp: 314452  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.1 0.1#  
84 90.8 74.6 111.8

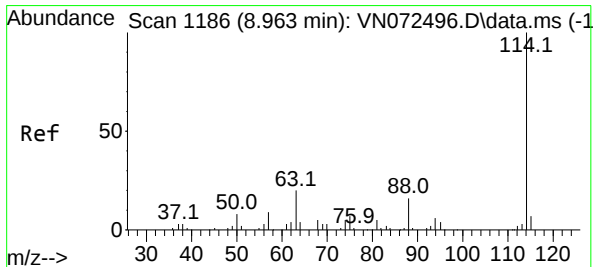
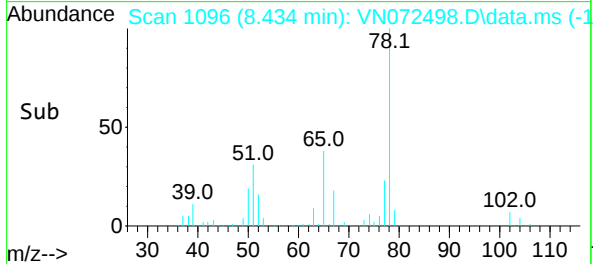
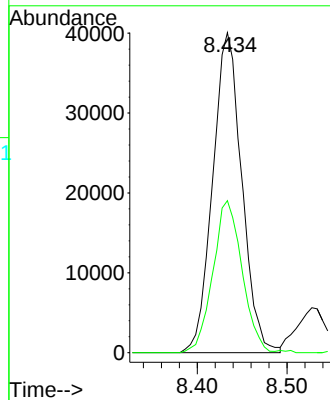
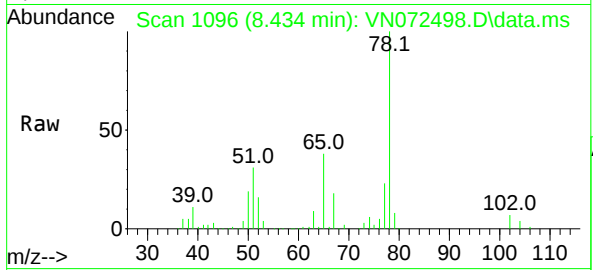




#27  
1,2-Dichloroethane-d4  
Concen: 36.900 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

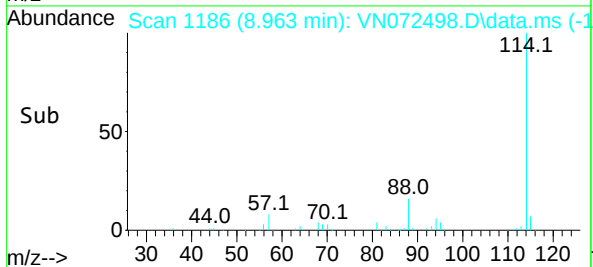
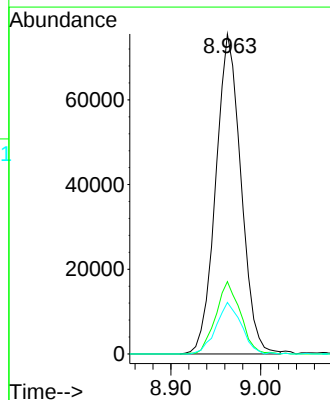
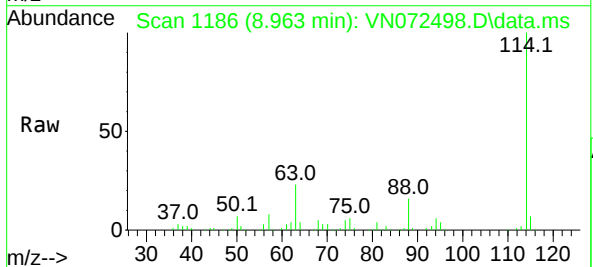
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

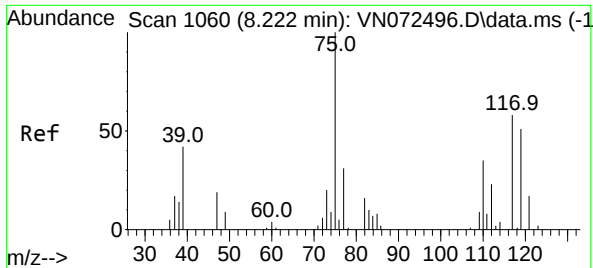
Tgt Ion: 65 Resp: 90151  
Ion Ratio Lower Upper  
65 100  
67 47.6 40.2 60.2



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 114 Resp: 147653  
Ion Ratio Lower Upper  
114 100  
63 22.1 15.8 23.6  
88 15.9 11.6 17.4

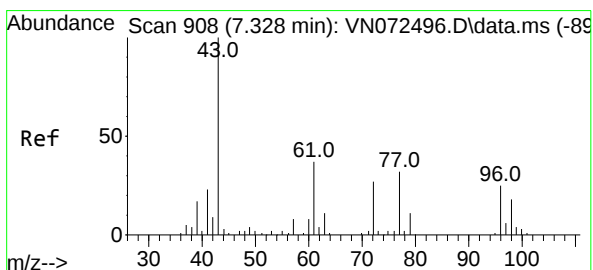
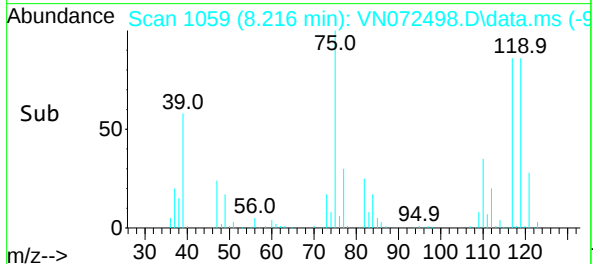
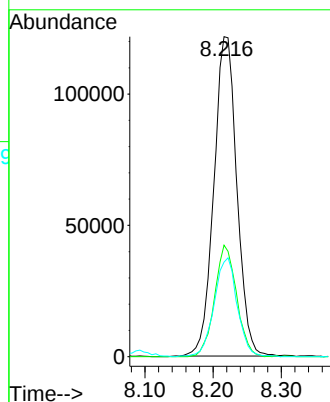
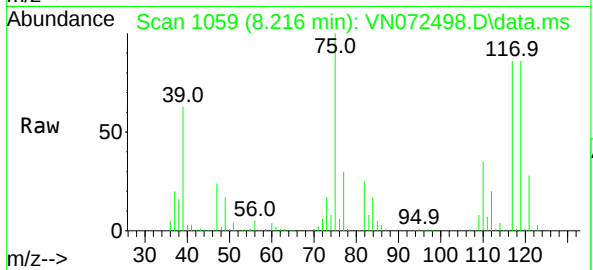




#29  
1,1-Dichloropropene  
Concen: 126.452 ug/l  
RT: 8.216 min Scan# 1059  
Delta R.T. -0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

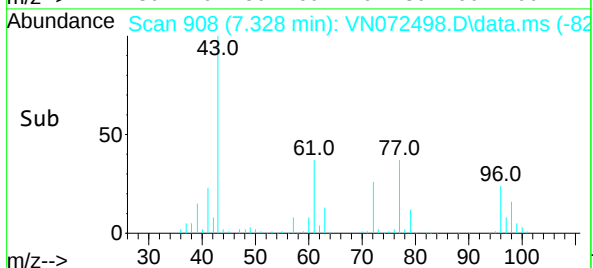
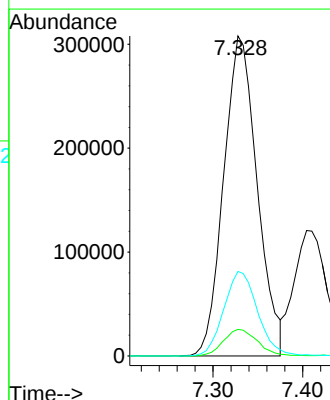
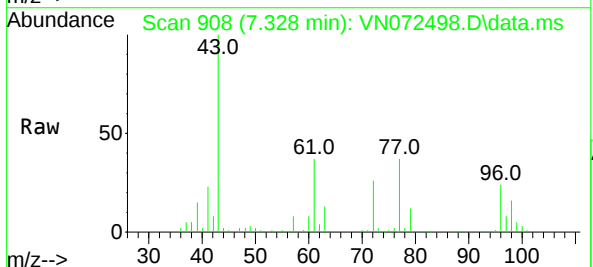
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

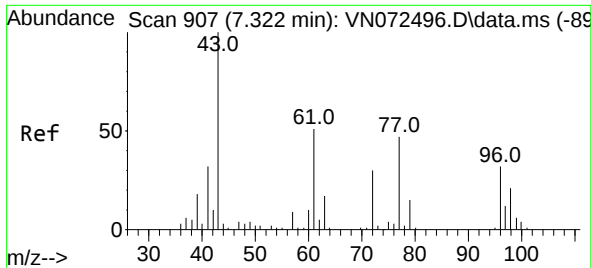
Tgt Ion: 75 Resp: 285367  
Ion Ratio Lower Upper  
75 100  
110 33.4 0.0 74.2  
77 31.0 0.0 63.2



#30  
2-Butanone  
Concen: 619.906 ug/l  
RT: 7.328 min Scan# 908  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 43 Resp: 799375  
Ion Ratio Lower Upper  
43 100  
57 8.5 6.7 10.1  
72 26.8 23.2 34.8

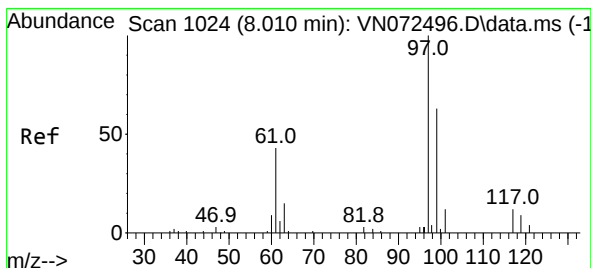
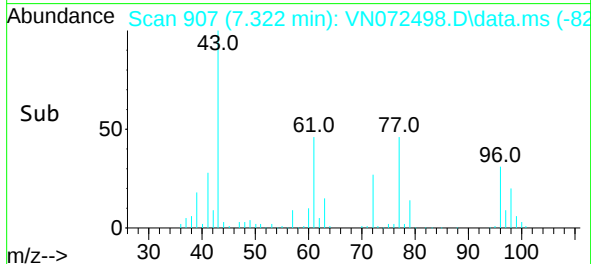
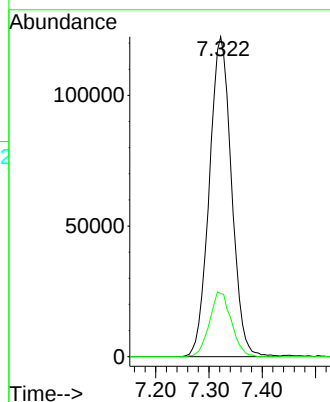
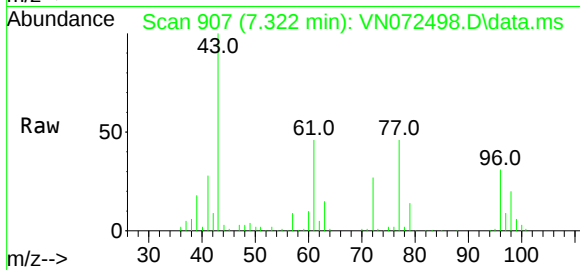




#31  
2,2-Dichloropropane  
Concen: 134.227 ug/l  
RT: 7.322 min Scan# 907  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

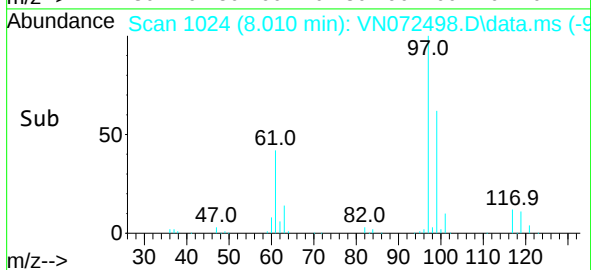
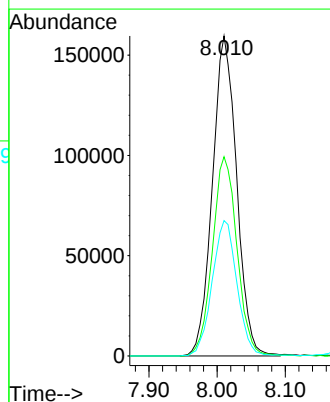
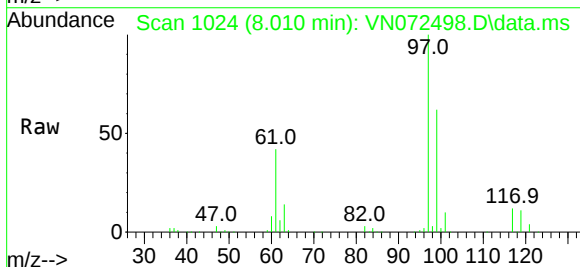
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

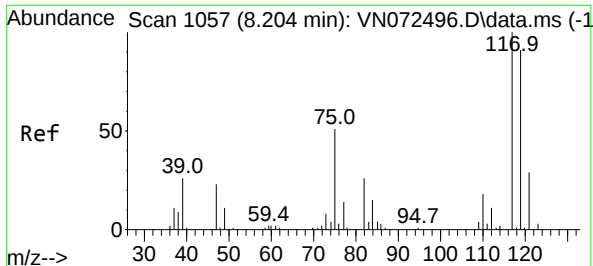
Tgt Ion: 77 Resp: 354400  
Ion Ratio Lower Upper  
77 100  
97 19.9 18.3 27.5



#32  
1,1,1-Trichloroethane  
Concen: 138.548 ug/l  
RT: 8.010 min Scan# 1024  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 97 Resp: 395019  
Ion Ratio Lower Upper  
97 100  
99 63.1 50.4 75.6  
61 43.1 34.6 51.8

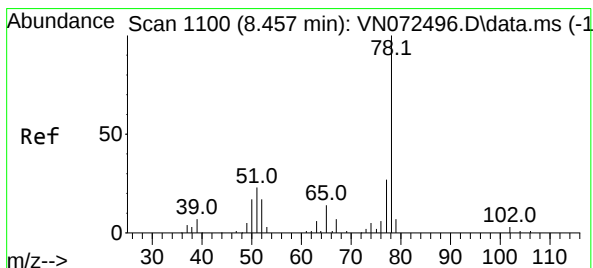
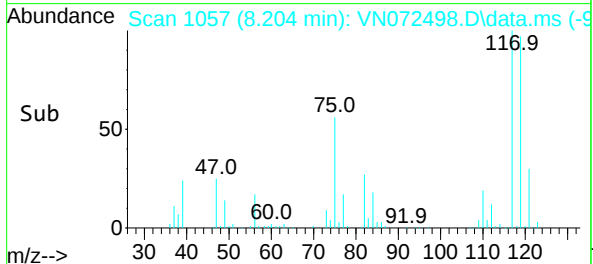
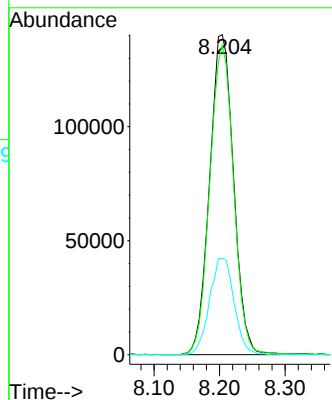
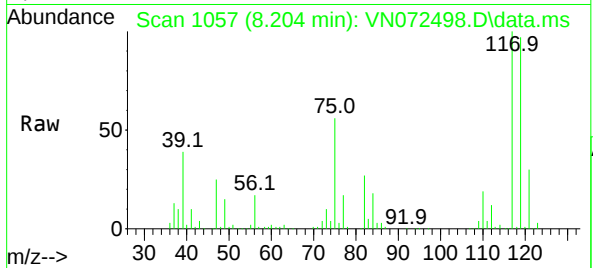




#33  
Carbon Tetrachloride  
Concen: 142.409 ug/l  
RT: 8.204 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

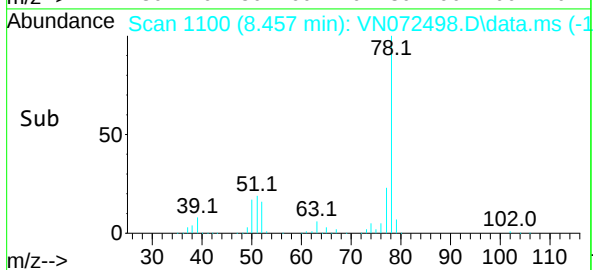
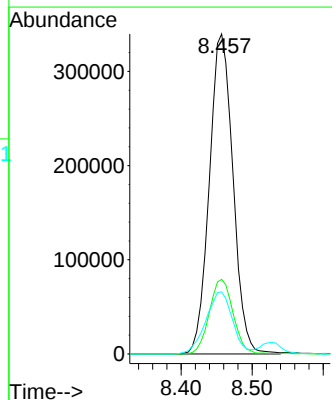
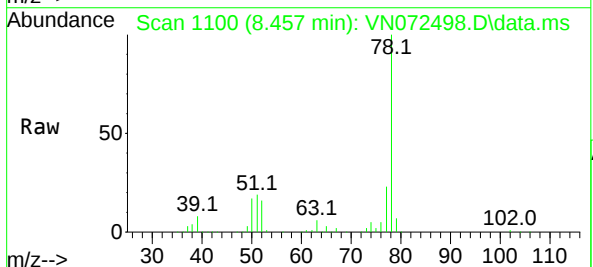
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

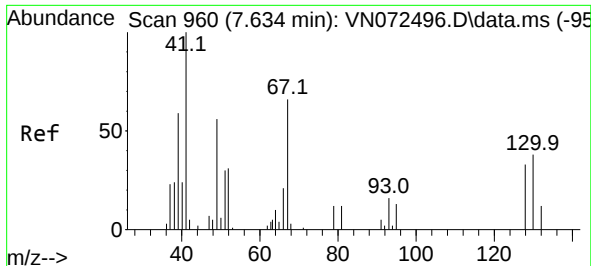
Tgt Ion:117 Resp: 356276  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.5 116.3  
121 30.1 23.5 35.3



#34  
Benzene  
Concen: 114.271 ug/l  
RT: 8.457 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 78 Resp: 784609  
Ion Ratio Lower Upper  
78 100  
77 23.2 19.1 28.7  
51 19.2 16.0 24.0



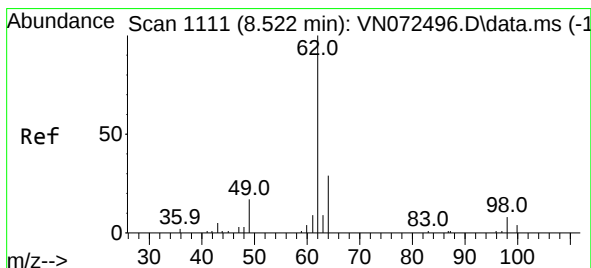
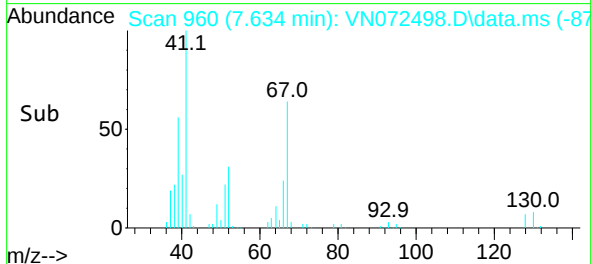
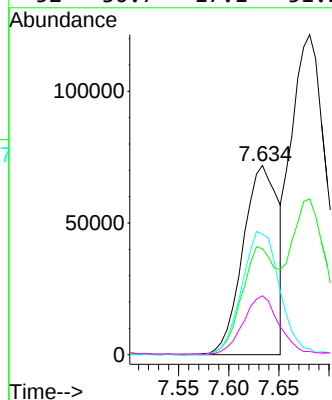
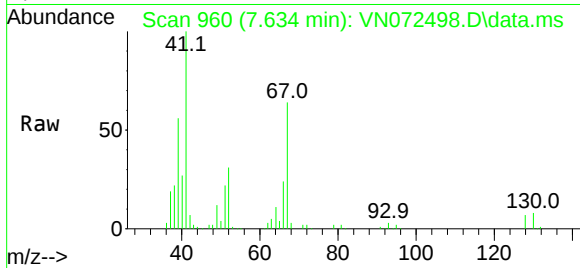


#35  
Methacrylonitrile  
Concen: 139.277 ug/l  
RT: 7.634 min Scan# 960  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tgt Ion: 41 Resp: 175174

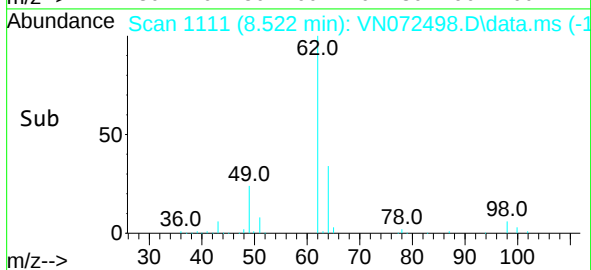
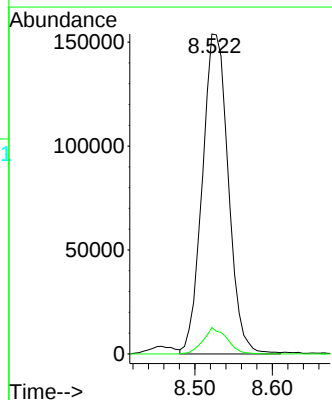
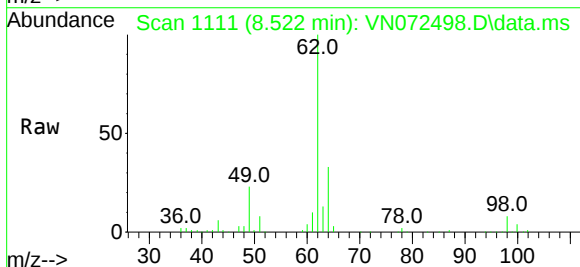
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 55.8  | 28.0  | 83.9  |
| 67  | 63.7  | 37.7  | 113.1 |
| 52  | 30.7  | 17.1  | 51.2  |

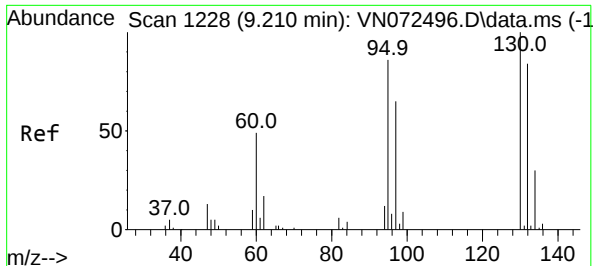


#36  
1,2-Dichloroethane  
Concen: 133.131 ug/l  
RT: 8.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 62 Resp: 358568

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 7.6   | 6.6   | 10.0  |

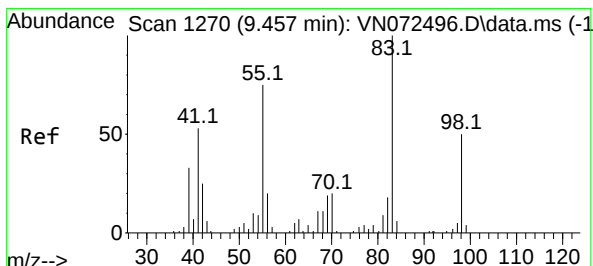
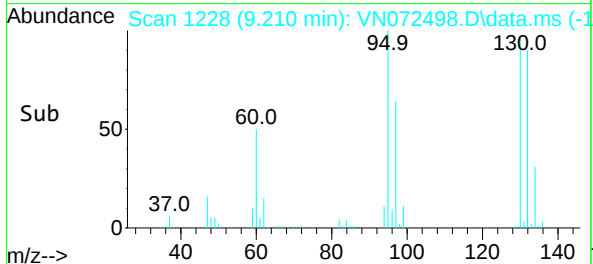
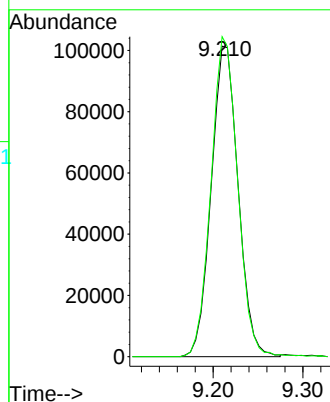
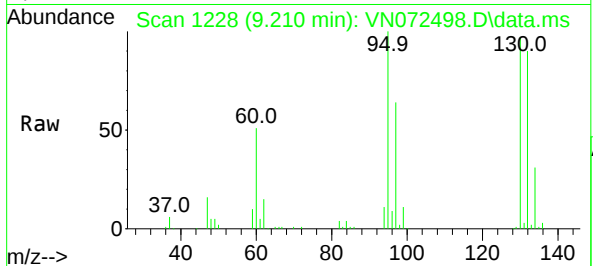




#37  
Trichloroethene  
Concen: 116.895 ug/l  
RT: 9.210 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

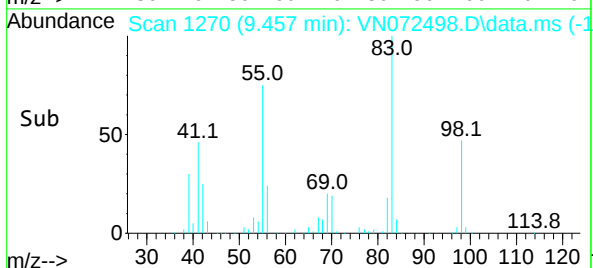
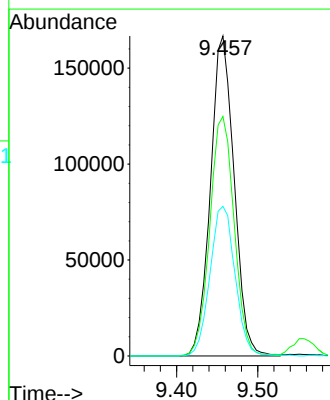
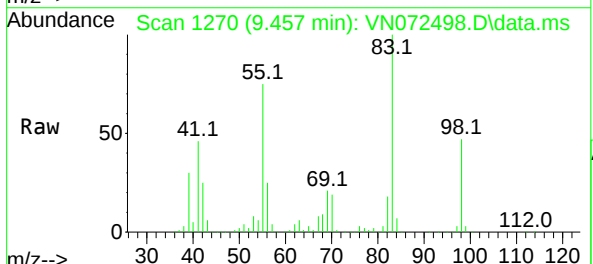
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

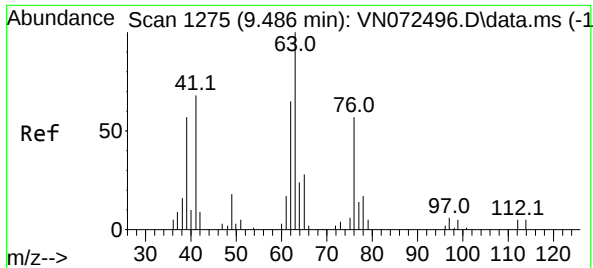
Tgt Ion:130 Resp: 211133  
Ion Ratio Lower Upper  
130 100  
95 103.0 76.6 115.0



#38  
Methylcyclohexane  
Concen: 122.429 ug/l  
RT: 9.457 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 83 Resp: 338522  
Ion Ratio Lower Upper  
83 100  
55 76.8 35.1 105.3  
98 49.4 23.4 70.2





#39

1,2-Dichloropropane

Concen: 113.684 ug/l

RT: 9.486 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

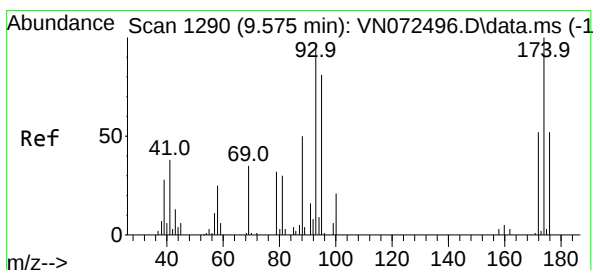
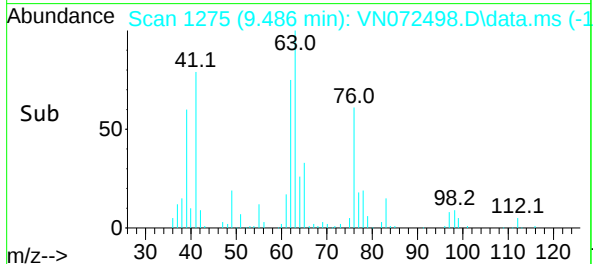
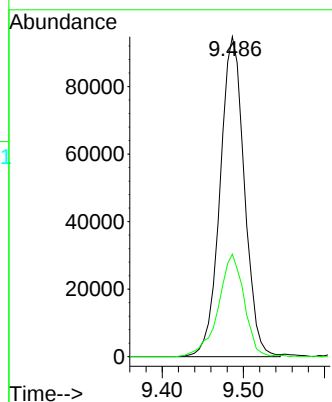
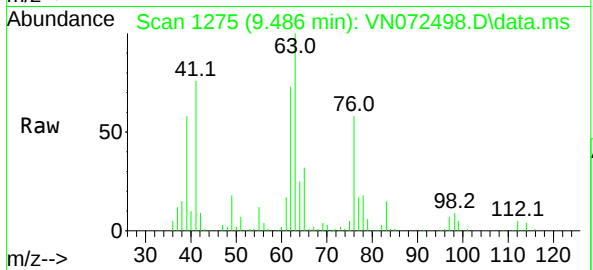
VSTDICC100

Tgt Ion: 63 Resp: 197074

Ion Ratio Lower Upper

63 100

65 31.8 24.2 36.4



#40

Dibromomethane

Concen: 124.943 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.000 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

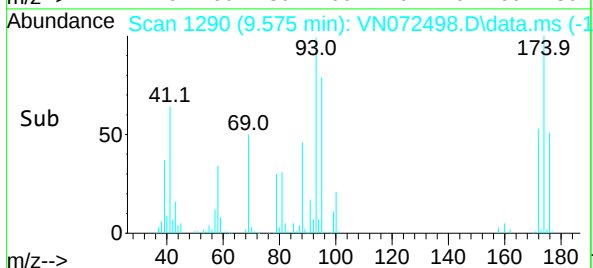
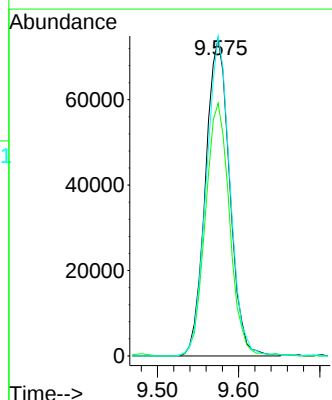
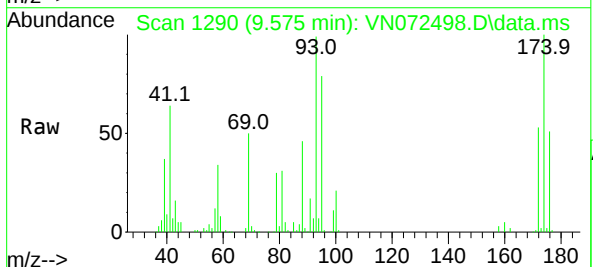
Tgt Ion: 93 Resp: 153317

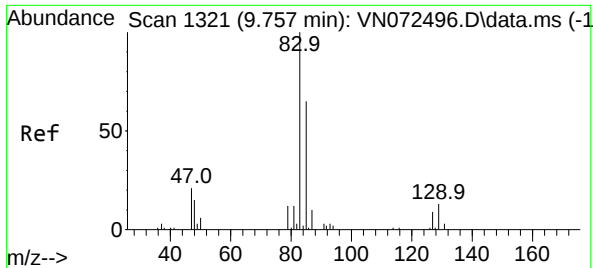
Ion Ratio Lower Upper

93 100

95 79.3 0.0 168.8

174 98.4 0.0 173.6

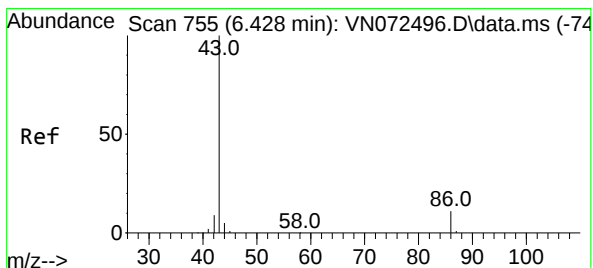
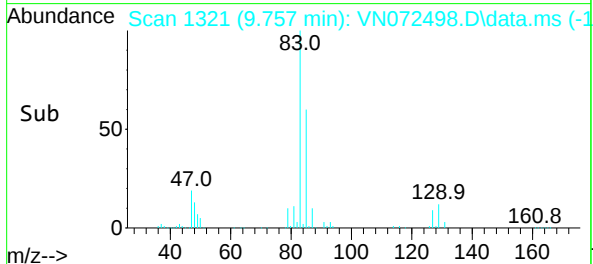
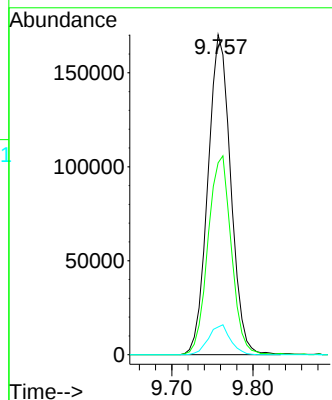
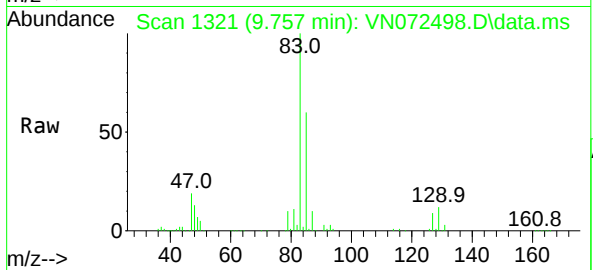




#41  
Bromodichloromethane  
Concen: 134.042 ug/l  
RT: 9.757 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

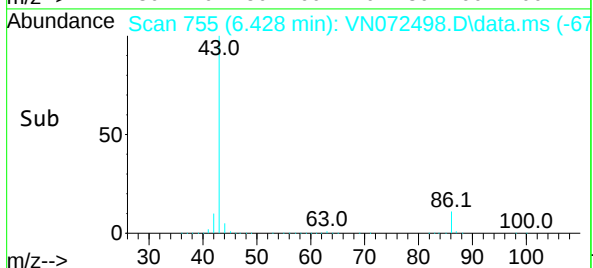
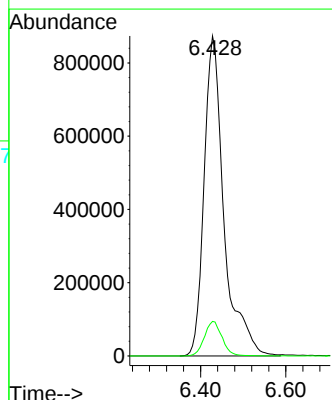
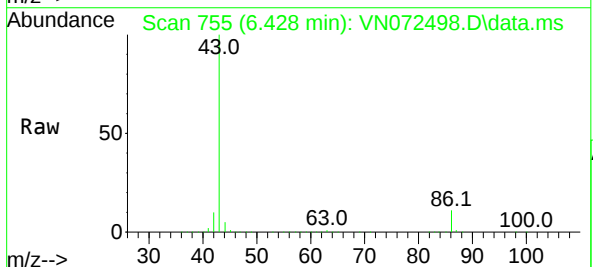
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ClientSampleId :  
VSTDIC100

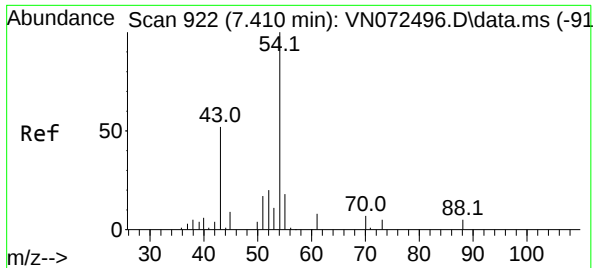
Tgt Ion: 83 Resp: 332793  
Ion Ratio Lower Upper  
83 100  
85 60.0 54.1 81.1  
127 8.7 7.6 11.4



#42  
Vinyl Acetate  
Concen: 643.459 ug/l  
RT: 6.428 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 43 Resp: 2829203  
Ion Ratio Lower Upper  
43 100  
86 9.6 7.5 11.3

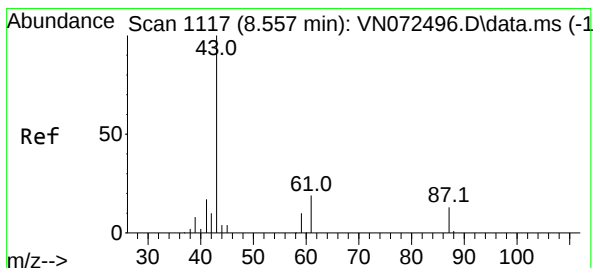
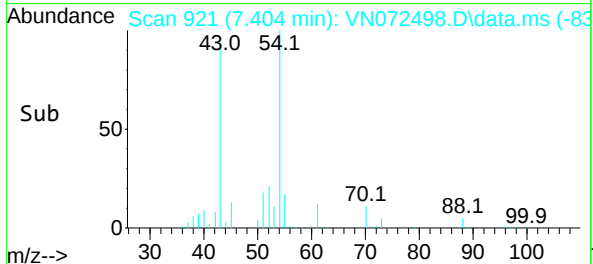
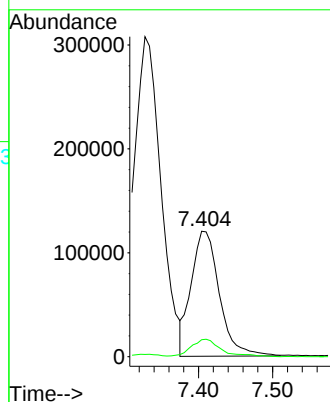
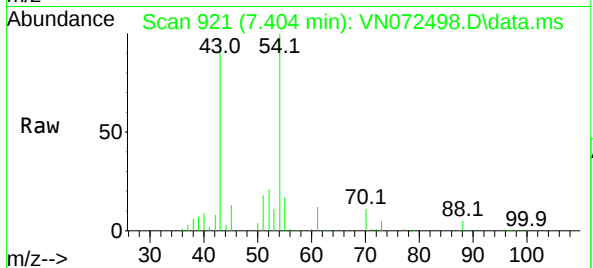




#43  
Ethyl Acetate  
Concen: 129.733 ug/l  
RT: 7.404 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

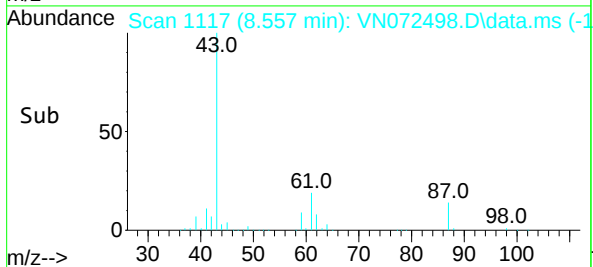
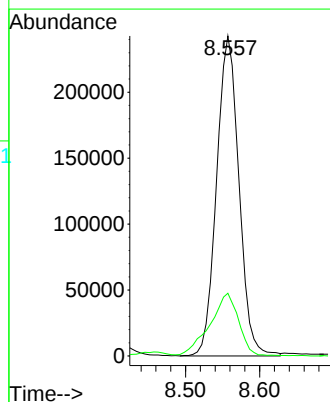
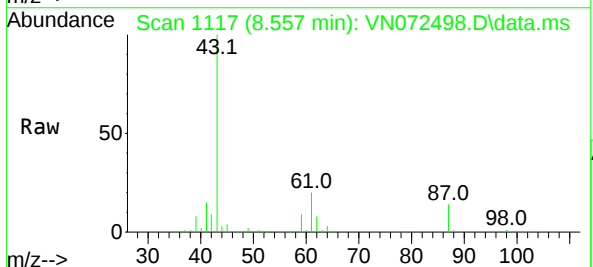
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

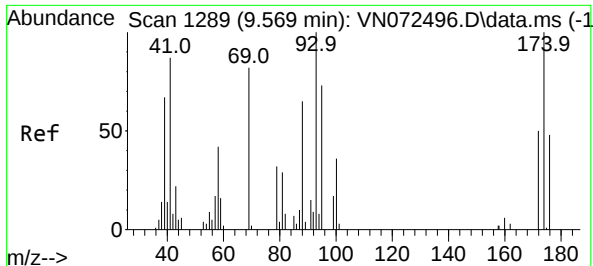
Tgt Ion: 43 Resp: 318935  
Ion Ratio Lower Upper  
43 100  
45 14.8 10.6 16.0



#44  
Isopropyl Acetate  
Concen: 125.838 ug/l  
RT: 8.557 min Scan# 1117  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 43 Resp: 508598  
Ion Ratio Lower Upper  
43 100  
61 24.7 20.1 30.1





#45

1,4-Dioxane

Concen: 2467.101 ug/l

RT: 9.563 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

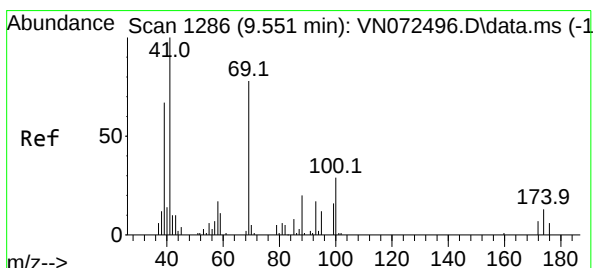
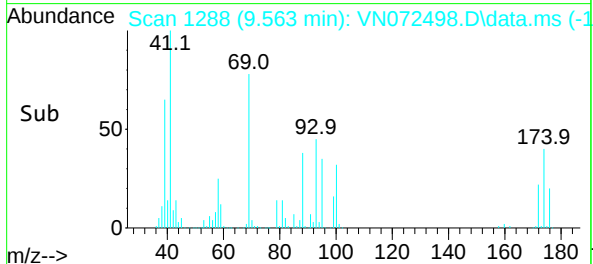
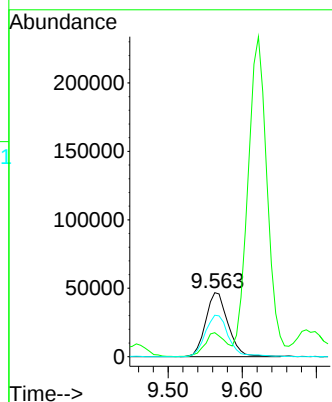
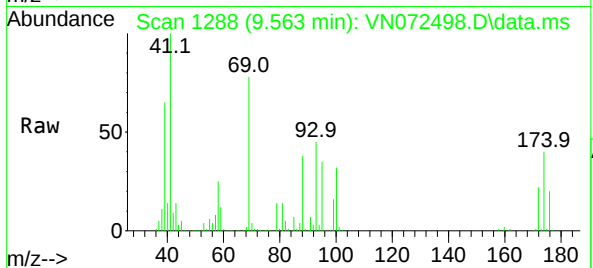
Tgt Ion: 88 Resp: 97905

Ion Ratio Lower Upper

88 100

43 34.8 25.0 37.6

58 66.1 49.4 74.2



#46

Methyl methacrylate

Concen: 136.184 ug/l

RT: 9.557 min Scan# 1287

Delta R.T. 0.006 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

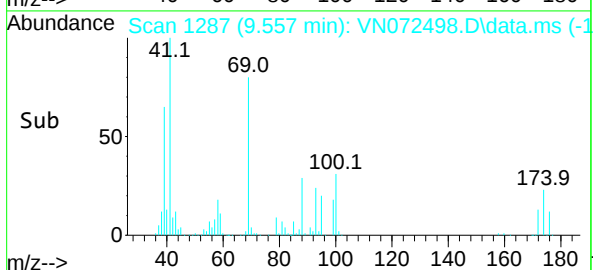
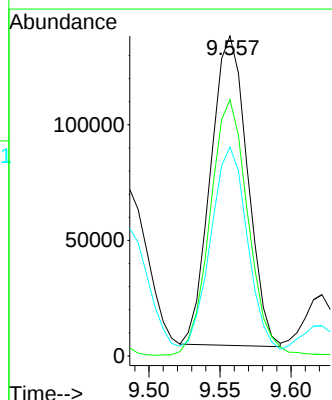
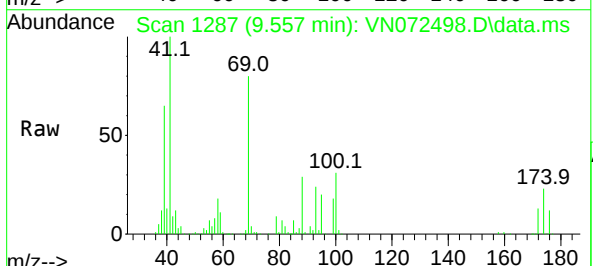
Tgt Ion: 41 Resp: 241106

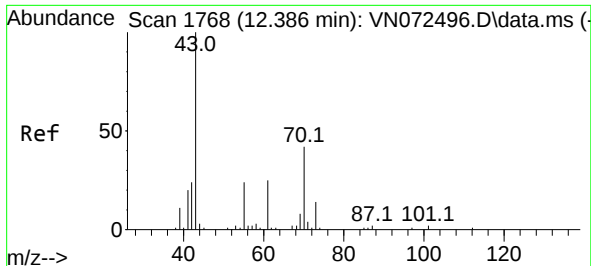
Ion Ratio Lower Upper

41 100

69 81.8 44.4 133.2

39 65.6 39.9 119.6

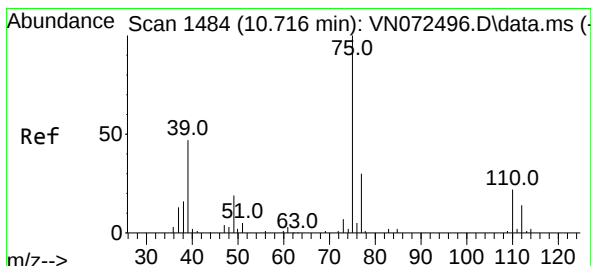
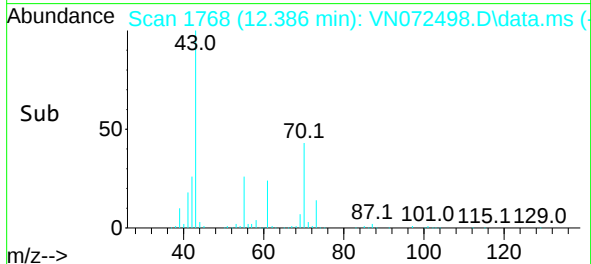
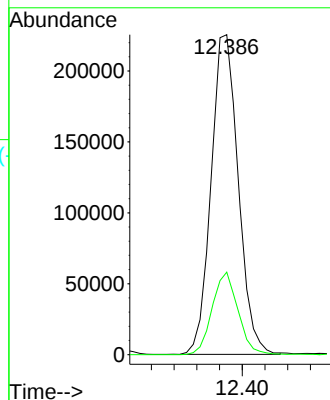
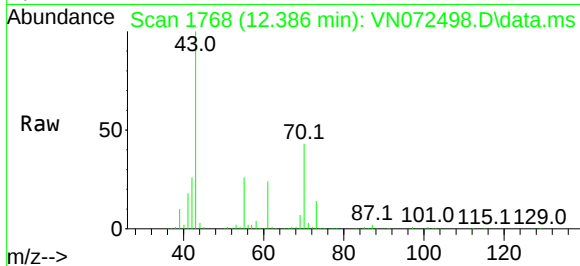




#47  
n-amy1 Acetate  
Concen: 142.169 ug/l  
RT: 12.386 min Scan# 1768  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

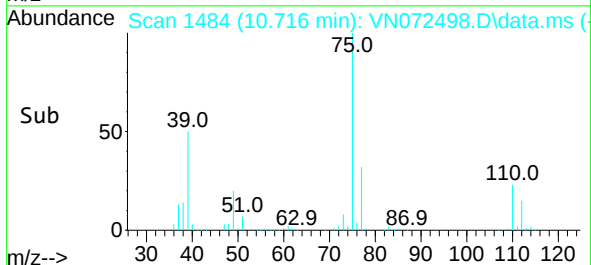
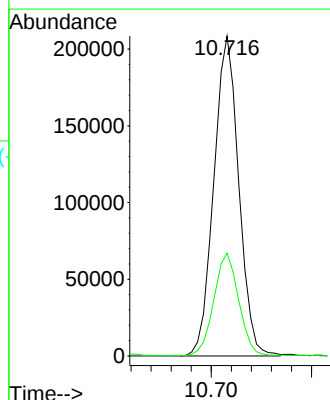
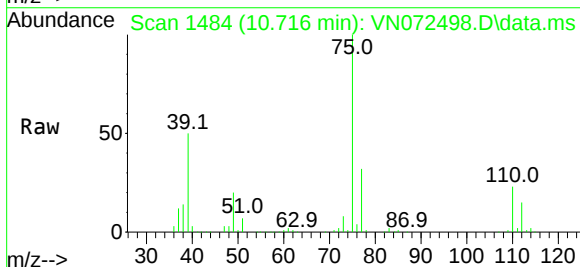
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

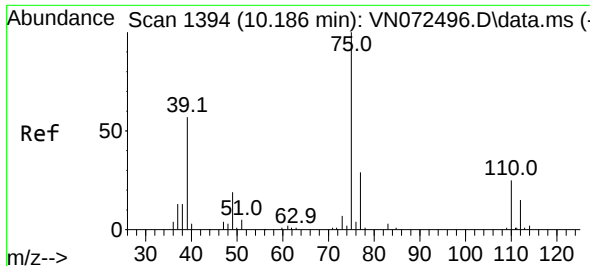
Tgt Ion: 43 Resp: 374314  
Ion Ratio Lower Upper  
43 100  
55 24.6 19.0 28.6



#48  
t-1,3-Dichloropropene  
Concen: 135.370 ug/l  
RT: 10.716 min Scan# 1484  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 75 Resp: 359632  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.3 37.9

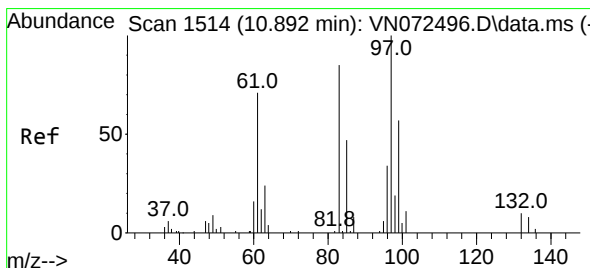
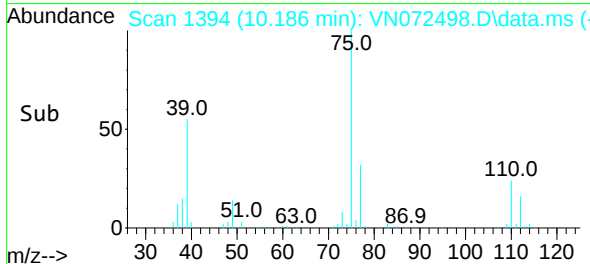
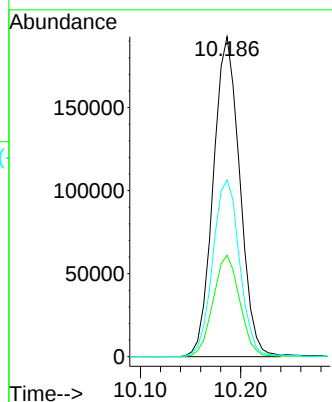
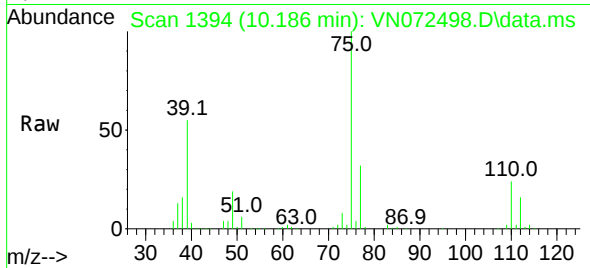




#49  
 cis-1,3-Dichloropropene  
 Concen: 124.633 ug/l  
 RT: 10.186 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

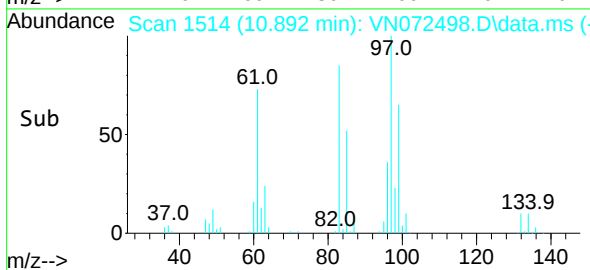
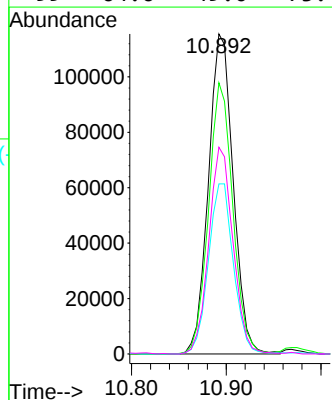
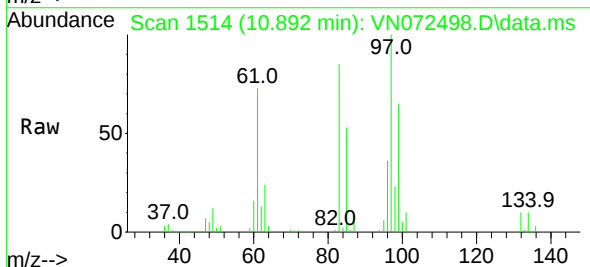
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 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

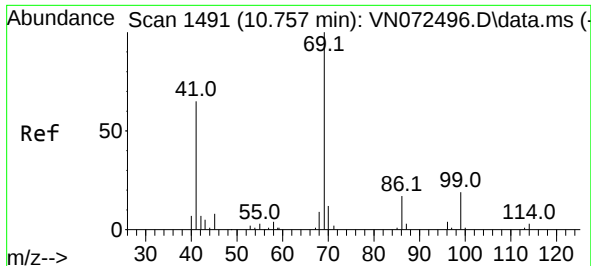
Tgt Ion: 75 Resp: 353874  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.3 37.9  
 39 55.2 46.2 69.4



#50  
 1,1,2-Trichloroethane  
 Concen: 119.313 ug/l  
 RT: 10.892 min Scan# 1514  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

Tgt Ion: 97 Resp: 210125  
 Ion Ratio Lower Upper  
 97 100  
 83 84.5 67.2 100.8  
 85 53.1 43.0 64.4  
 99 64.6 49.0 73.4

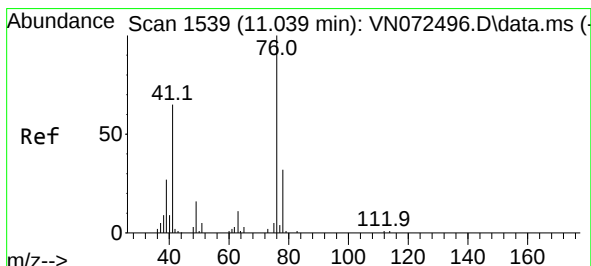
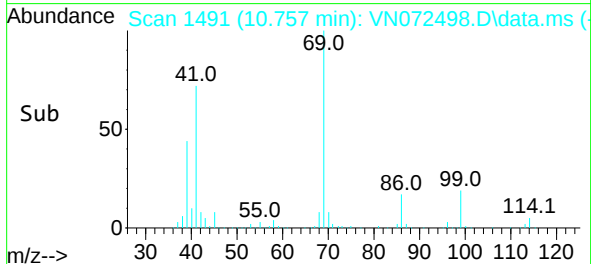
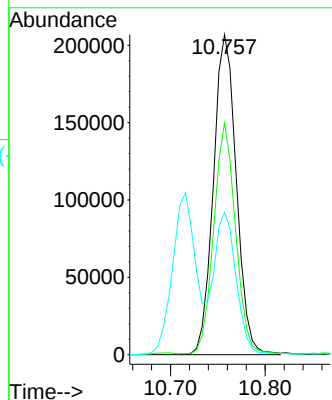
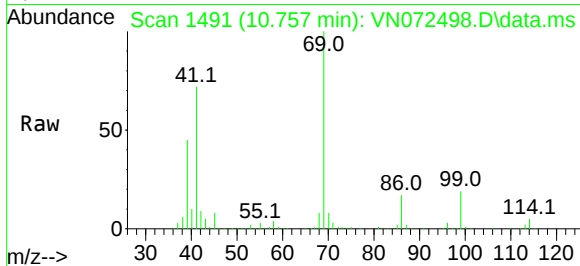




#51  
Ethyl methacrylate  
Concen: 127.847 ug/l  
RT: 10.757 min Scan# 1491  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

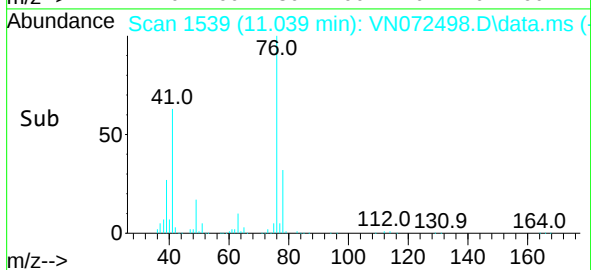
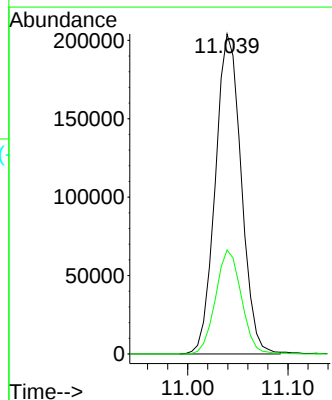
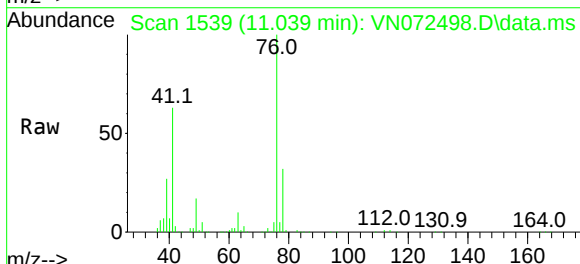
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

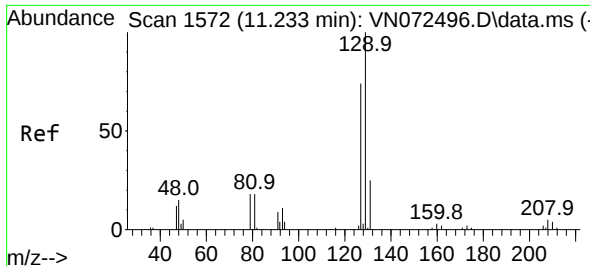
Tgt Ion: 69 Resp: 348798  
Ion Ratio Lower Upper  
69 100  
41 72.1 33.0 98.9  
39 44.2 25.4 76.4



#52  
1,3-Dichloropropane  
Concen: 120.751 ug/l  
RT: 11.039 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 76 Resp: 365787  
Ion Ratio Lower Upper  
76 100  
78 32.2 0.0 65.4

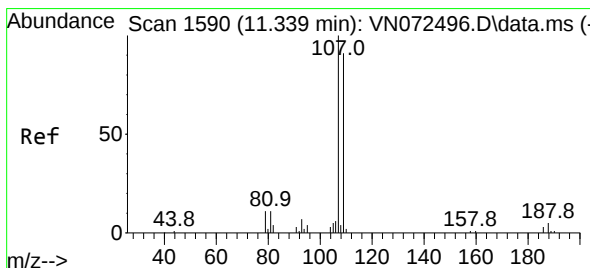
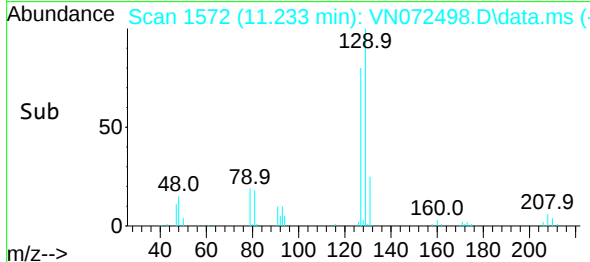
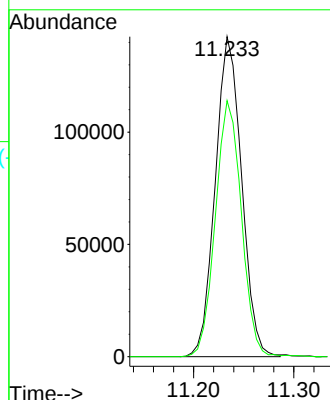
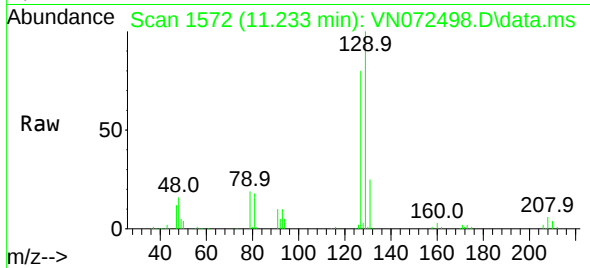




#53  
Dibromochloromethane  
Concen: 133.037 ug/l  
RT: 11.233 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

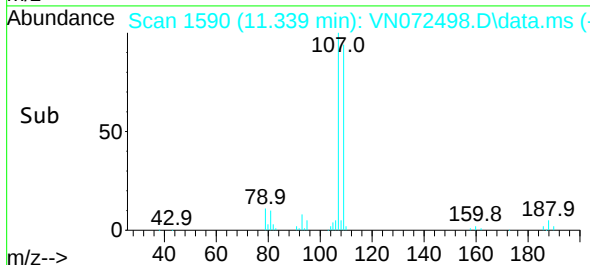
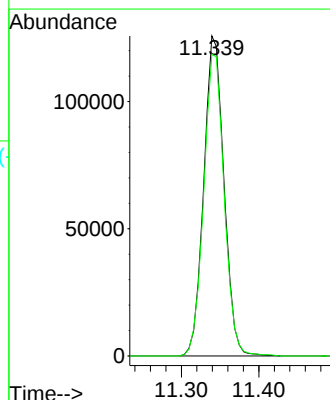
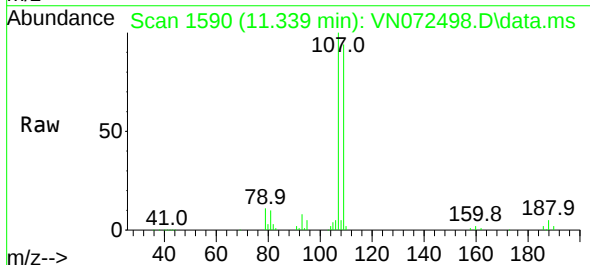
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

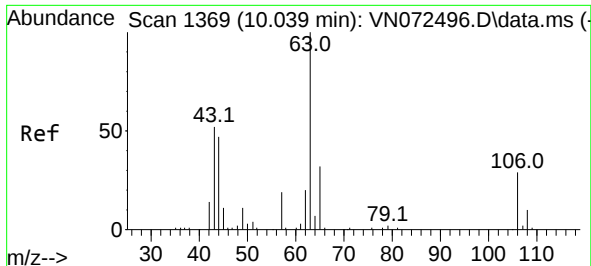
Tgt Ion:129 Resp: 259866  
Ion Ratio Lower Upper  
129 100  
127 78.7 39.0 117.0



#54  
1,2-Dibromoethane  
Concen: 124.566 ug/l  
RT: 11.339 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion:107 Resp: 227451  
Ion Ratio Lower Upper  
107 100  
109 95.5 72.8 109.2

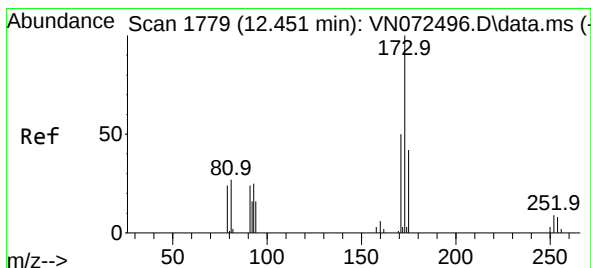
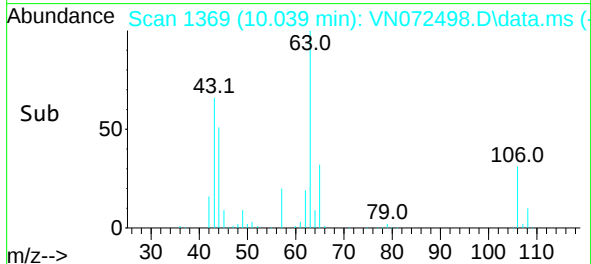
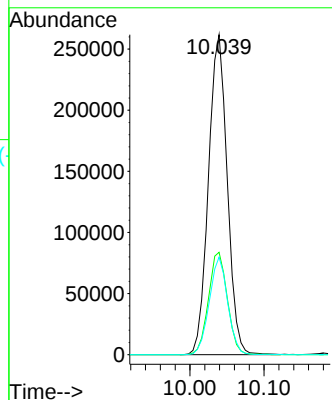
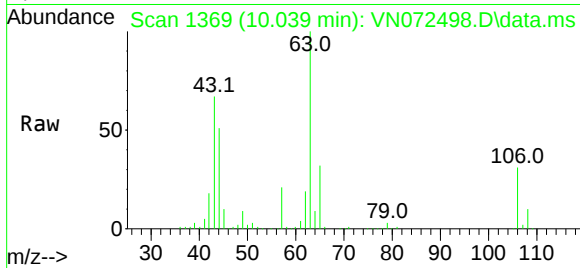




#55  
2-Chloroethyl vinyl ether  
Concen: 667.975 ug/l  
RT: 10.039 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

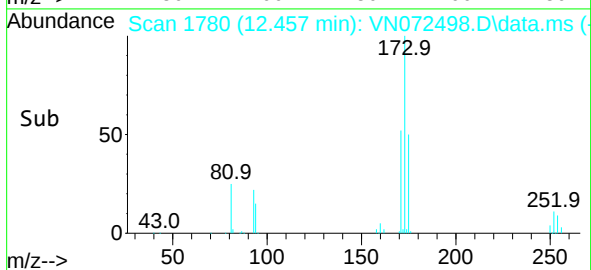
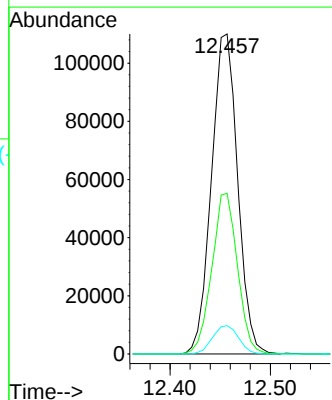
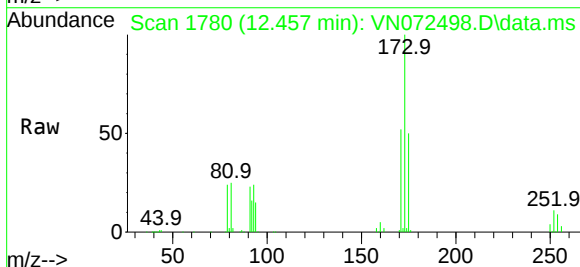
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MSVOA\_N  
ClientSampleId :  
VSTDICC100

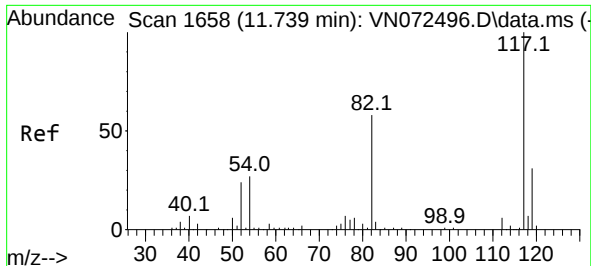
Tgt Ion: 63 Resp: 460856  
Ion Ratio Lower Upper  
63 100  
65 32.2 25.4 38.0  
106 29.8 23.2 34.8



#56  
Bromoform  
Concen: 136.776 ug/l  
RT: 12.457 min Scan# 1780  
Delta R.T. 0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion:173 Resp: 199818  
Ion Ratio Lower Upper  
173 100  
175 48.9 38.6 58.0  
254 8.8 0.0 0.0#

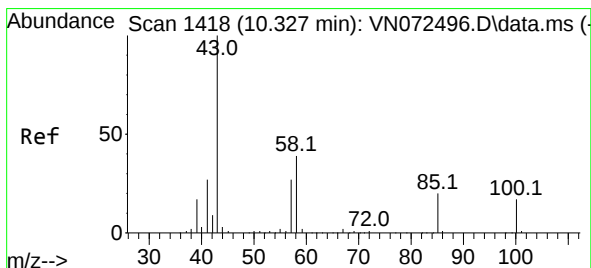
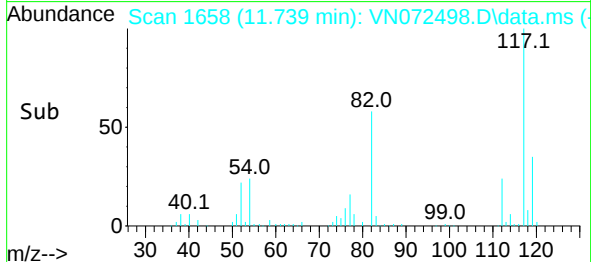
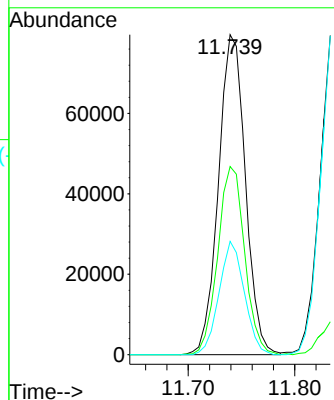
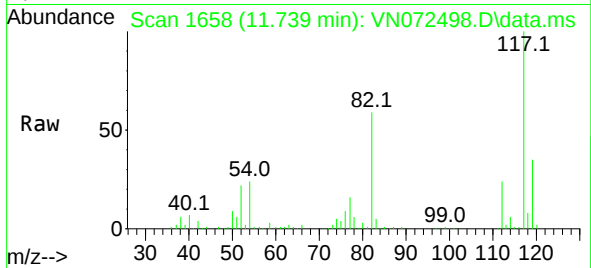




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

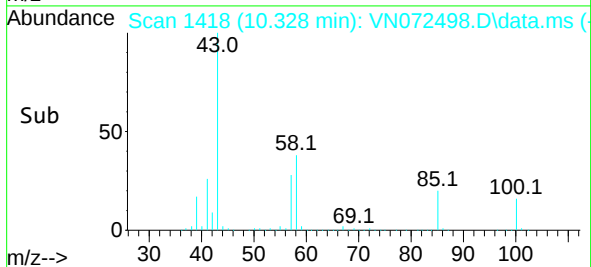
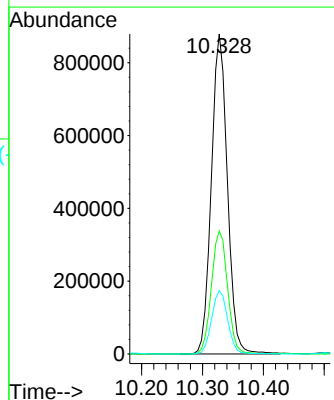
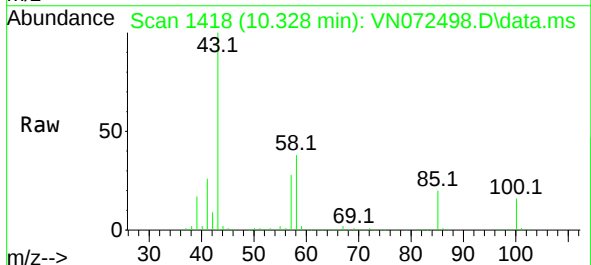
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

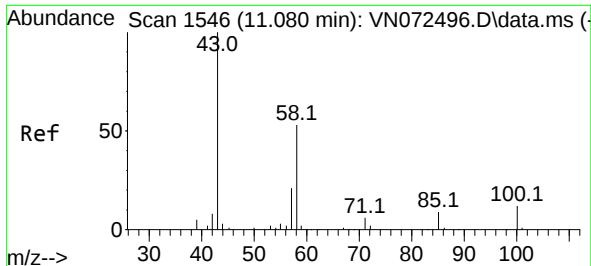
Tgt Ion:117 Resp: 139980  
Ion Ratio Lower Upper  
117 100  
82 58.6 43.6 65.4  
119 33.2 25.8 38.6



#58  
4-Methyl-2-Pentanone  
Concen: 632.501 ug/l  
RT: 10.328 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 43 Resp: 1604715  
Ion Ratio Lower Upper  
43 100  
58 38.8 30.0 45.0  
85 19.9 15.0 22.6

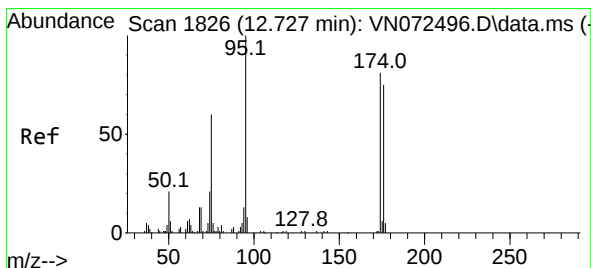
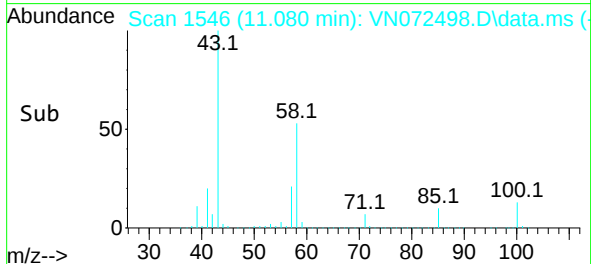
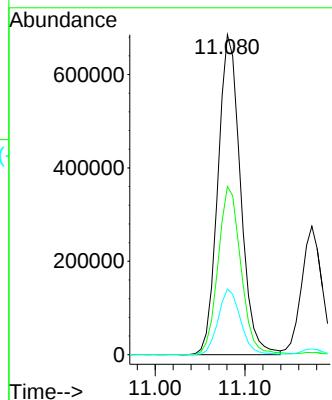
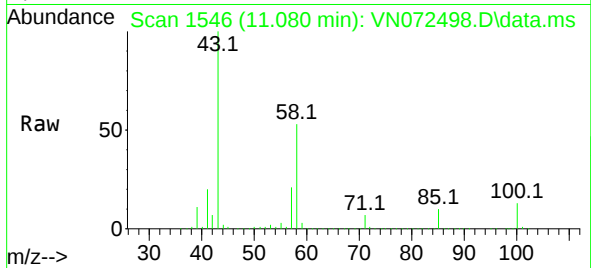




#59  
2-Hexanone  
Concen: 644.703 ug/l  
RT: 11.080 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

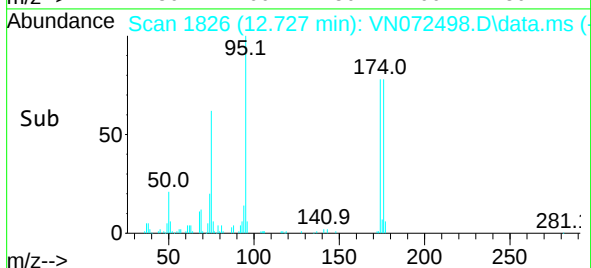
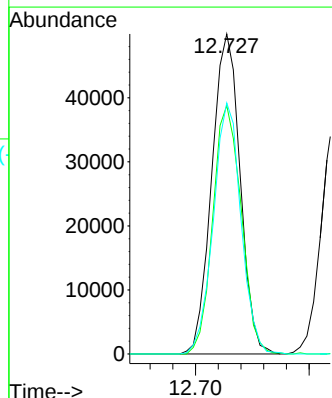
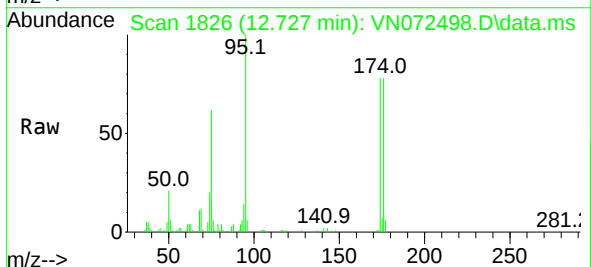
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

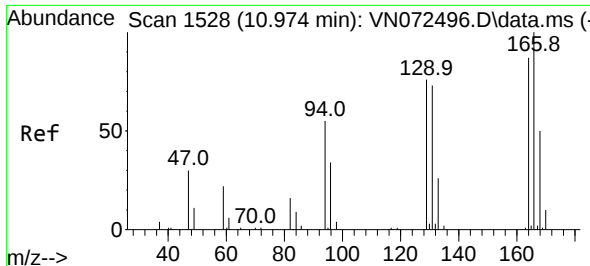
Tgt Ion: 43 Resp: 1198273  
Ion Ratio Lower Upper  
43 100  
58 53.1 42.2 63.2  
57 20.3 15.0 22.4



#60  
4-Bromofluorobenzene  
Concen: 37.321 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 95 Resp: 86346  
Ion Ratio Lower Upper  
95 100  
174 77.8 62.9 94.3  
176 76.6 61.0 91.4

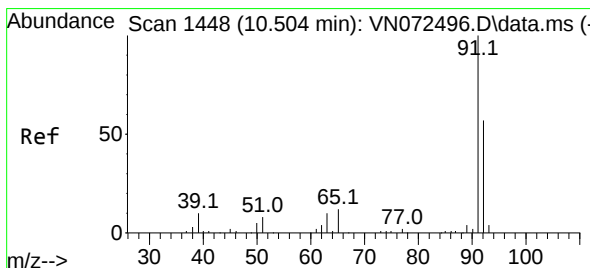
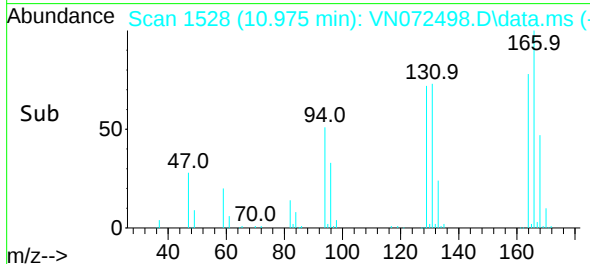
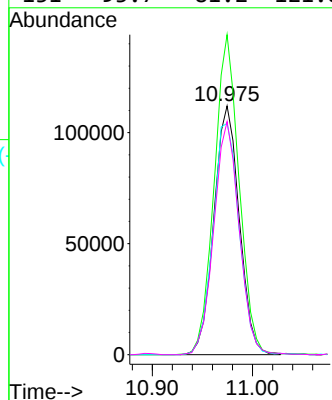
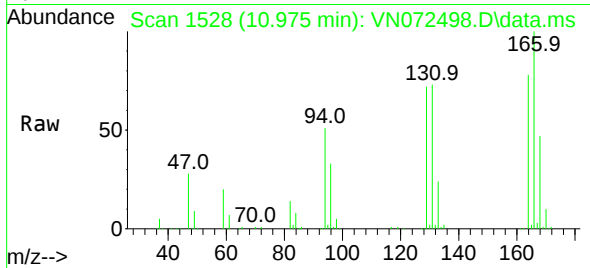




#61  
Tetrachloroethene  
Concen: 120.818 ug/l  
RT: 10.975 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

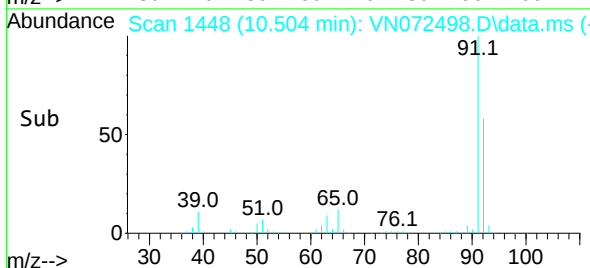
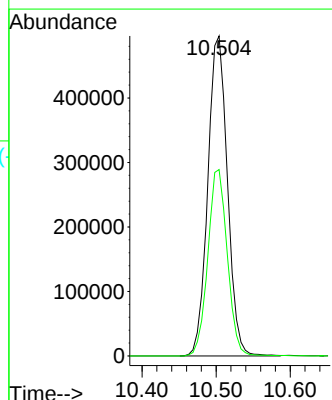
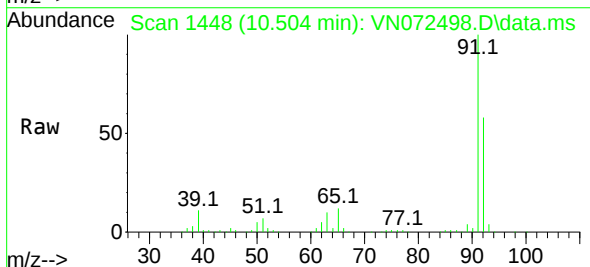
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

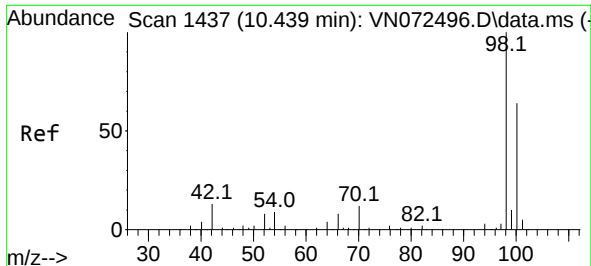
Tgt Ion:164 Resp: 197312  
Ion Ratio Lower Upper  
164 100  
166 128.5 105.8 158.8  
129 93.0 82.5 123.7  
131 93.7 81.2 121.8



#62  
Toluene  
Concen: 117.352 ug/l  
RT: 10.504 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 91 Resp: 912415  
Ion Ratio Lower Upper  
91 100  
92 57.8 44.6 67.0

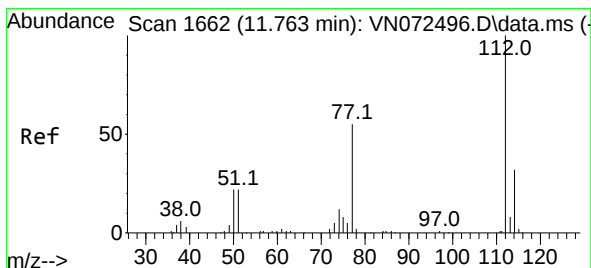
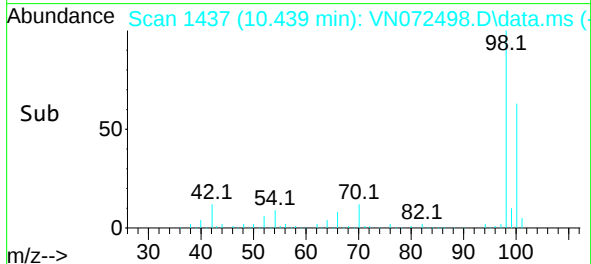
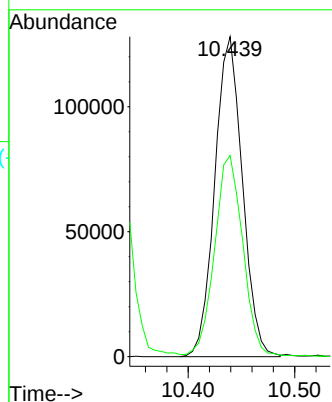
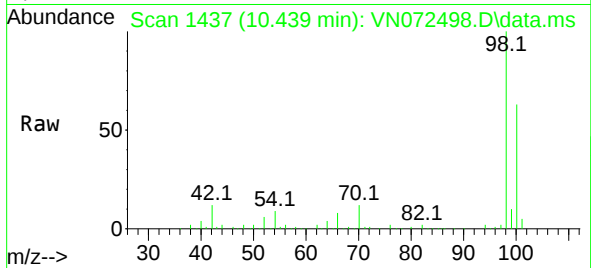




#63  
Toluene-d8  
Concen: 33.496 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

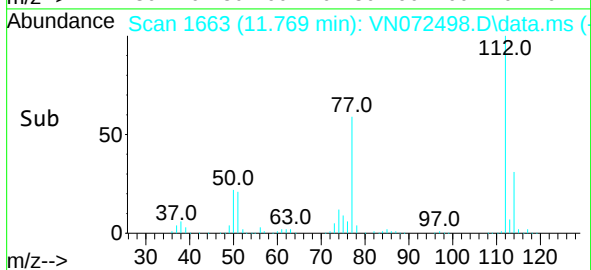
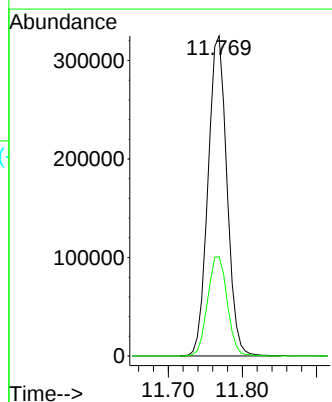
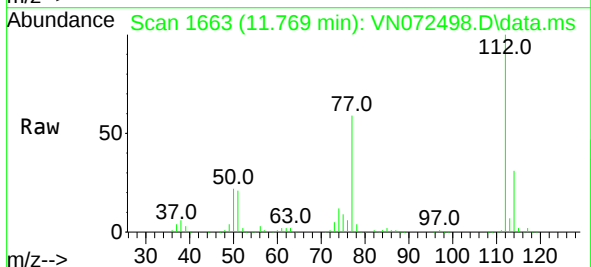
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

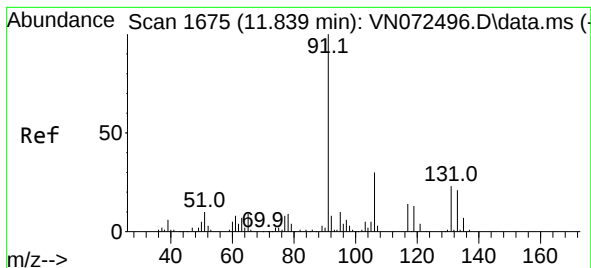
Tgt Ion: 98 Resp: 230205  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.6 76.0



#64  
Chlorobenzene  
Concen: 119.939 ug/l  
RT: 11.769 min Scan# 1663  
Delta R.T. 0.006 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 112 Resp: 575974  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.8 38.6

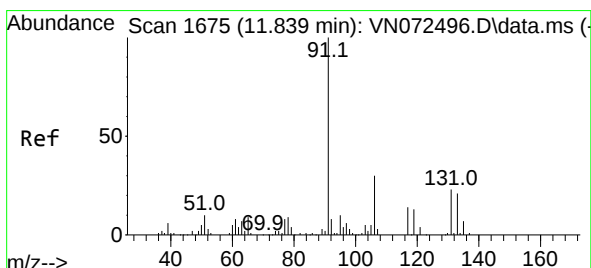
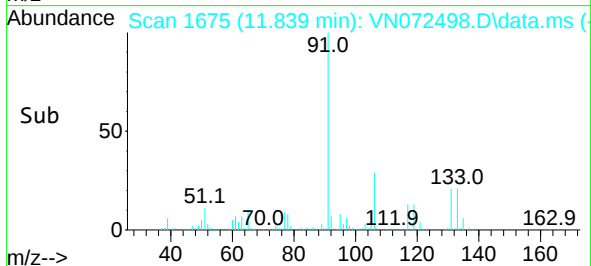
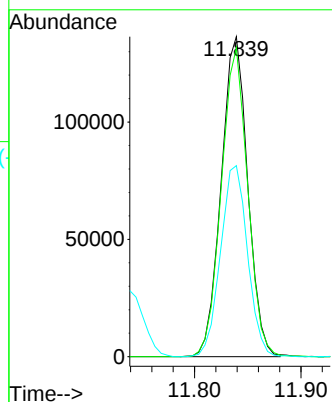
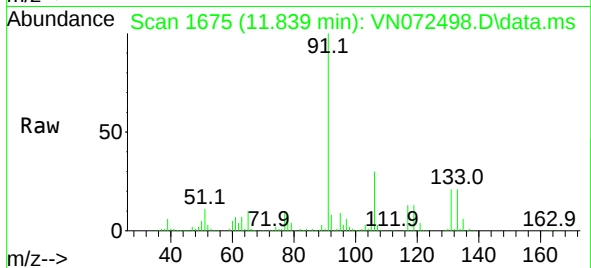




#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 126.517 ug/l  
 RT: 11.839 min Scan# 1675  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

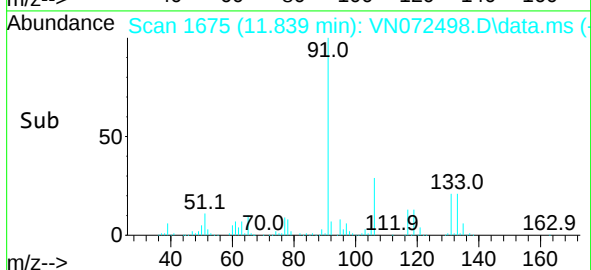
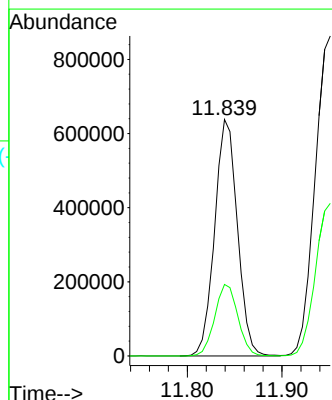
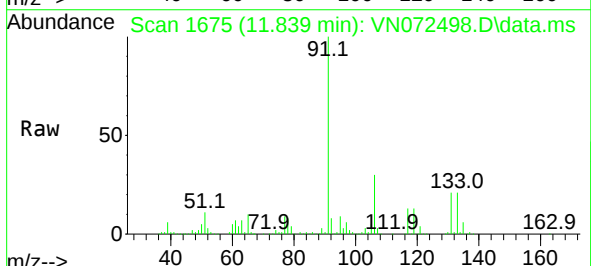
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

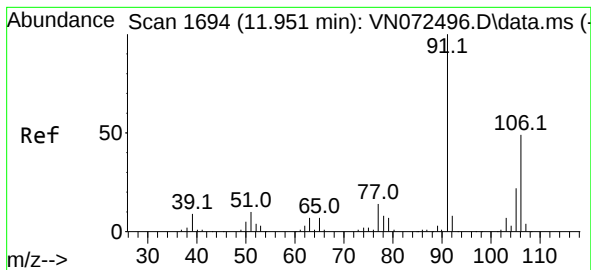
Tgt Ion:131 Resp: 235938  
 Ion Ratio Lower Upper  
 131 100  
 133 96.0 0.0 191.2  
 119 60.7 0.0 128.8



#66  
 Ethyl Benzene  
 Concen: 124.513 ug/l  
 RT: 11.839 min Scan# 1675  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

Tgt Ion: 91 Resp: 1066631  
 Ion Ratio Lower Upper  
 91 100  
 106 30.2 24.0 36.0





#67

m/p-Xylenes

Concen: 245.621 ug/l

RT: 11.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

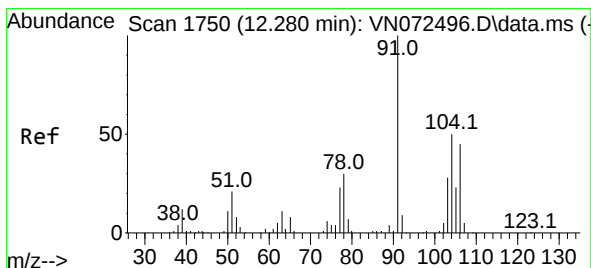
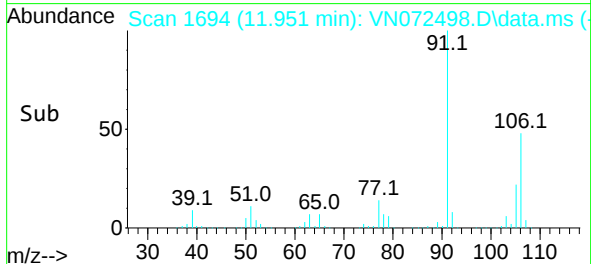
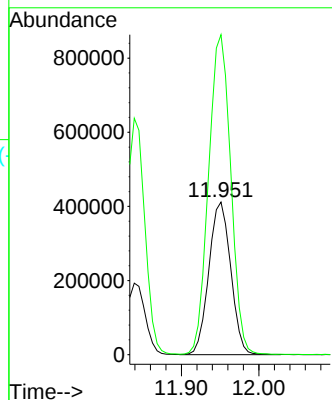
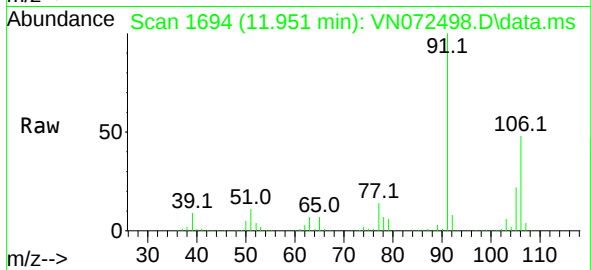
VSTDICC100

Tgt Ion:106 Resp: 808210

Ion Ratio Lower Upper

106 100

91 212.2 162.9 244.3



#68

o-Xylene

Concen: 122.580 ug/l

RT: 12.274 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VN072498.D

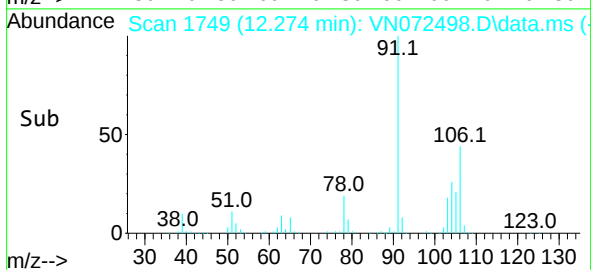
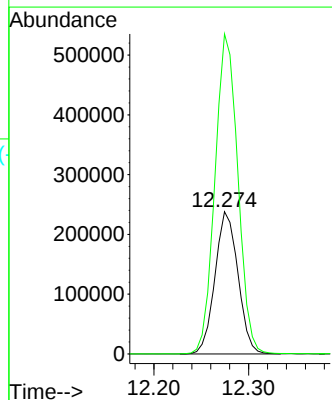
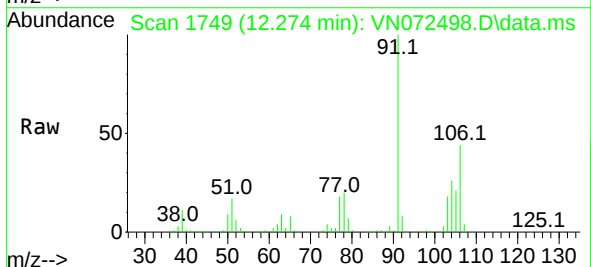
Acq: 16 May 2022 13:28

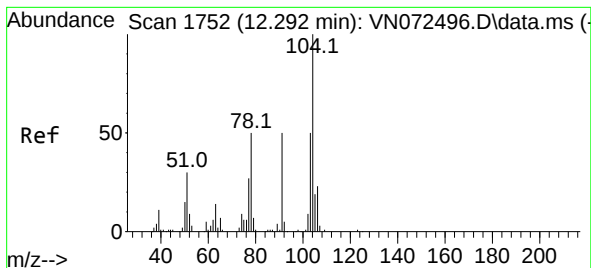
Tgt Ion:106 Resp: 402142

Ion Ratio Lower Upper

106 100

91 224.0 107.7 323.1





#69

Styrene

Concen: 127.495 ug/l

RT: 12.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

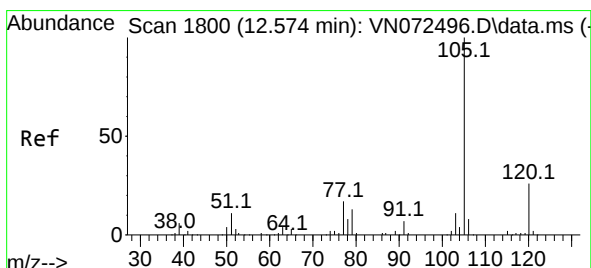
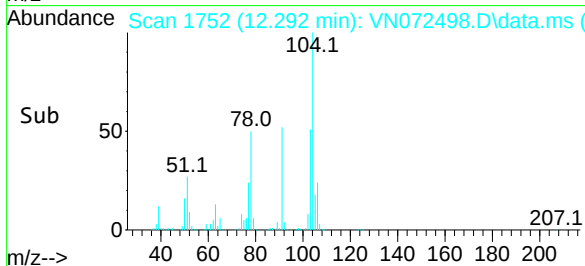
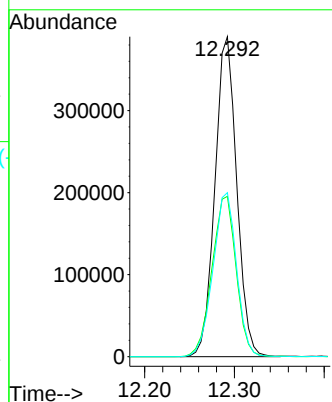
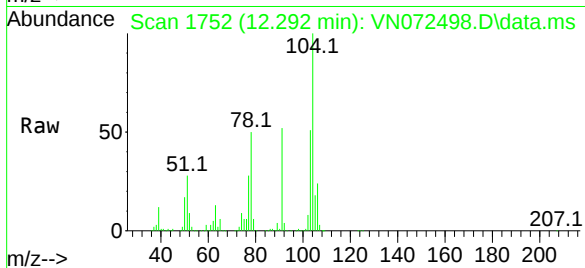
Tgt Ion:104 Resp: 658398

Ion Ratio Lower Upper

104 100

78 55.5 40.7 61.1

103 55.3 45.8 68.8



#70

Isopropylbenzene

Concen: 130.225 ug/l

RT: 12.574 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VN072498.D

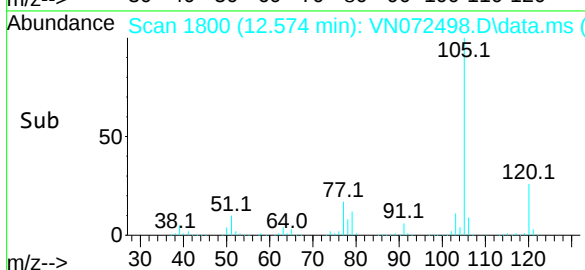
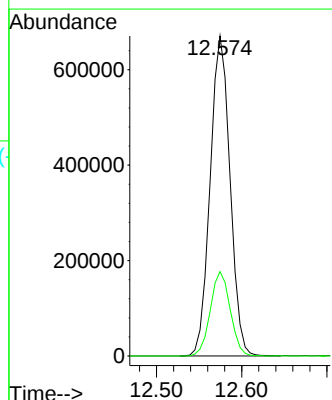
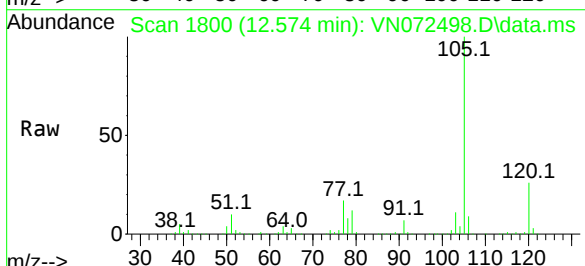
Acq: 16 May 2022 13:28

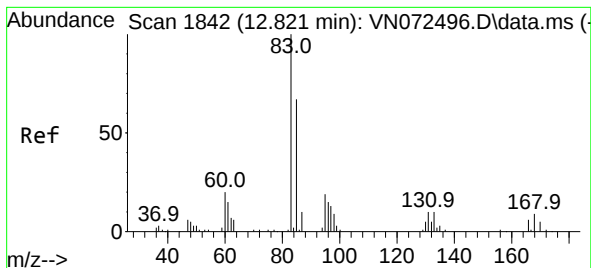
Tgt Ion:105 Resp: 1086515

Ion Ratio Lower Upper

105 100

120 26.3 18.3 34.1

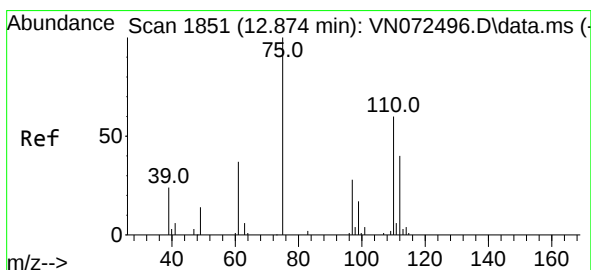
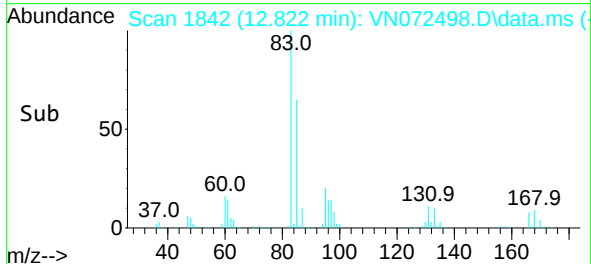
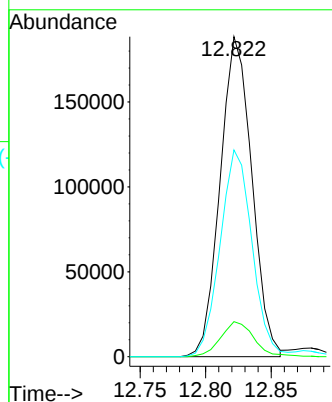
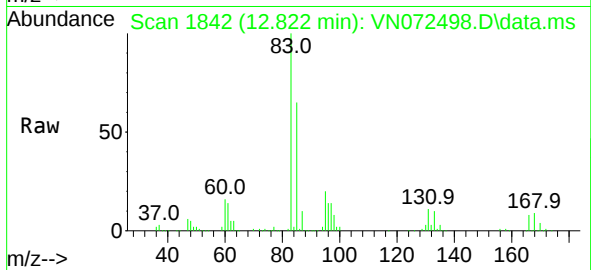




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 118.612 ug/l  
 RT: 12.822 min Scan# 1842  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

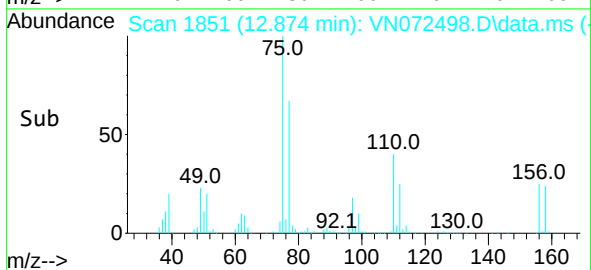
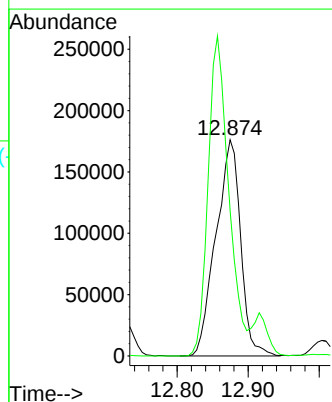
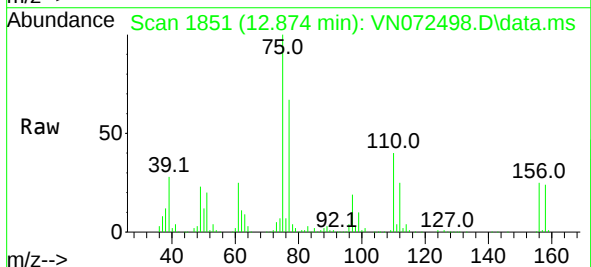
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

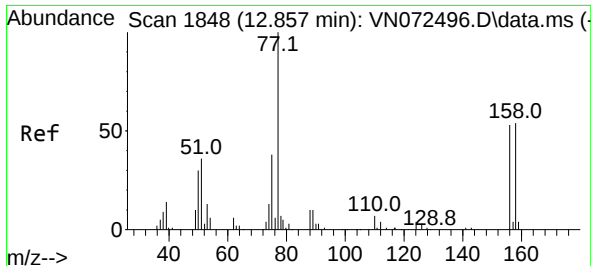
Tgt Ion: 83 Resp: 317120  
 Ion Ratio Lower Upper  
 83 100  
 131 11.5 5.1 15.3  
 85 65.0 33.1 99.2



#72  
 1,2,3-Trichloropropane  
 Concen: 179.835 ug/l  
 RT: 12.874 min Scan# 1851  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

Tgt Ion: 75 Resp: 426135  
 Ion Ratio Lower Upper  
 75 100  
 77 123.1 0.0 378.0

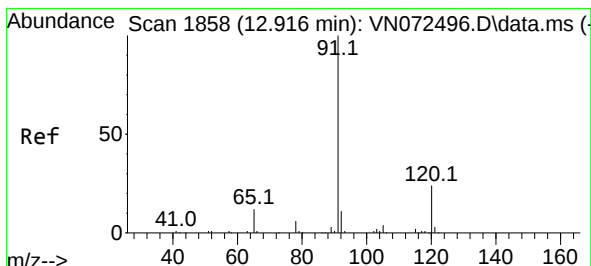
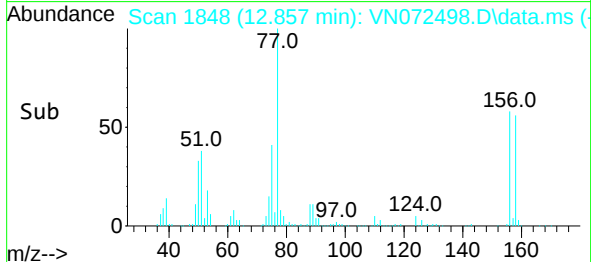
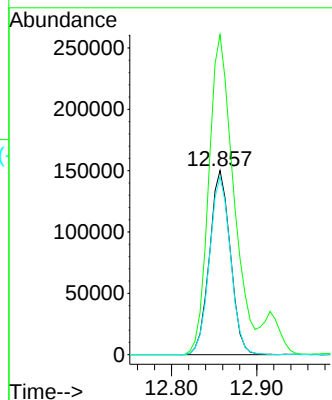
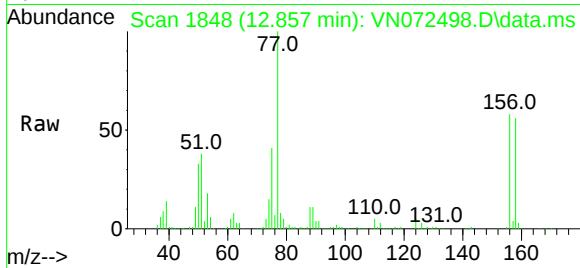




#73  
Bromobenzene  
Concen: 125.687 ug/l  
RT: 12.857 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

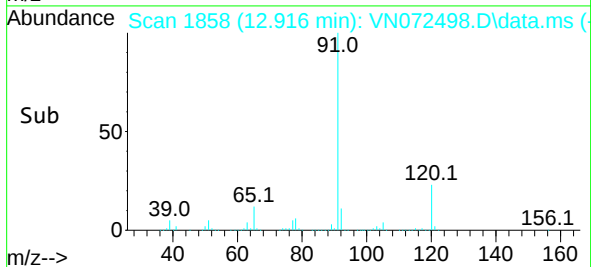
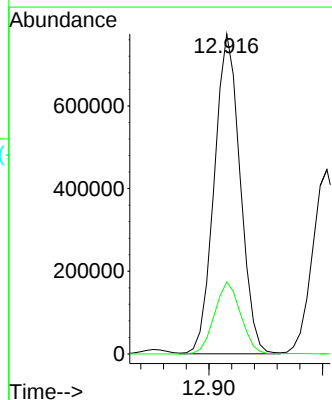
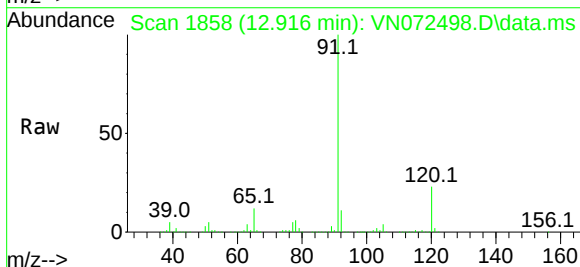
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

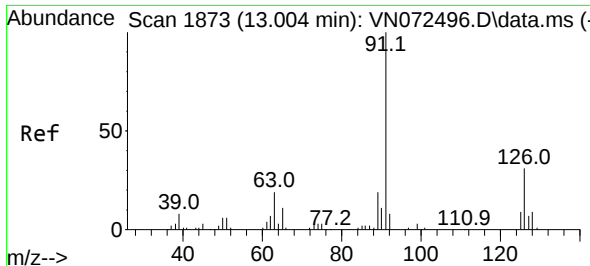
Tgt Ion:156 Resp: 255341  
Ion Ratio Lower Upper  
156 100  
77 205.5 0.0 416.0  
158 97.2 0.0 195.4



#74  
n-propylbenzene  
Concen: 135.500 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 91 Resp: 1224099  
Ion Ratio Lower Upper  
91 100  
120 22.7 0.0 45.0

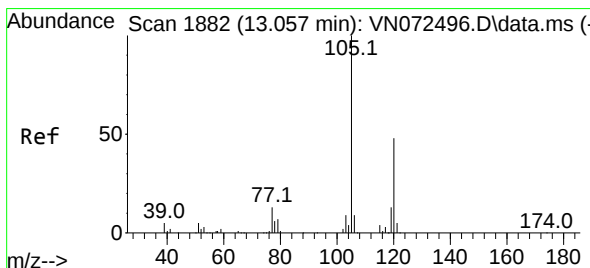
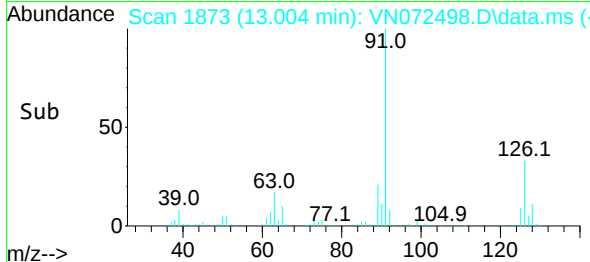
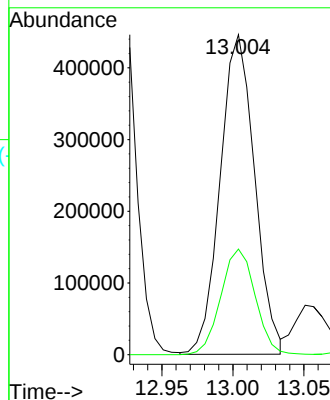
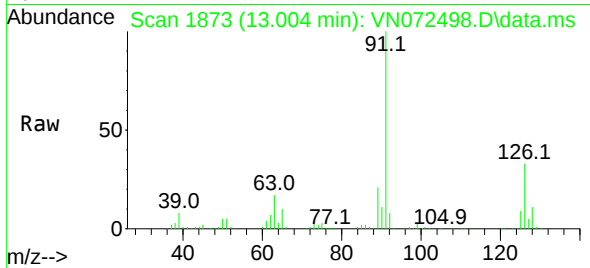




#75  
2-Chlorotoluene  
Concen: 129.527 ug/l  
RT: 13.004 min Scan# 1873  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

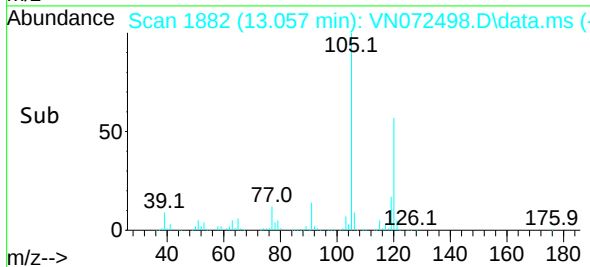
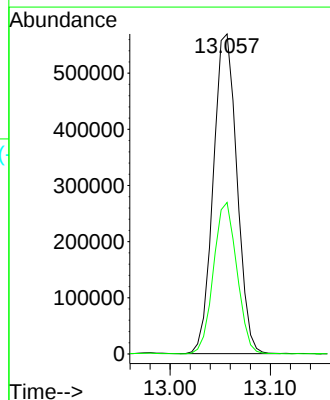
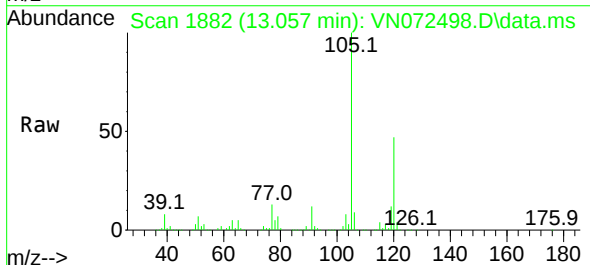
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

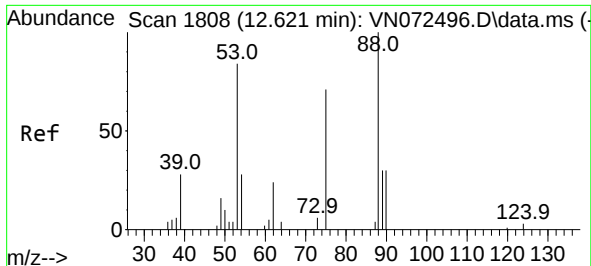
Tgt Ion: 91 Resp: 752122  
Ion Ratio Lower Upper  
91 100  
126 33.0 0.0 69.8



#76  
1,3,5-Trimethylbenzene  
Concen: 136.958 ug/l  
RT: 13.057 min Scan# 1882  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 105 Resp: 934237  
Ion Ratio Lower Upper  
105 100  
120 46.9 0.0 93.8

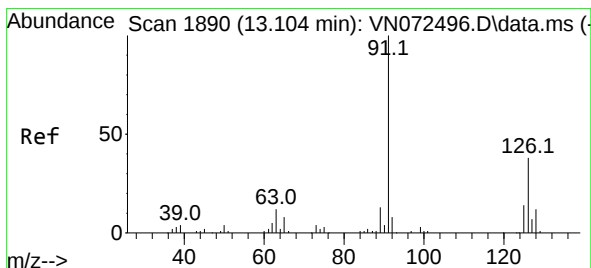
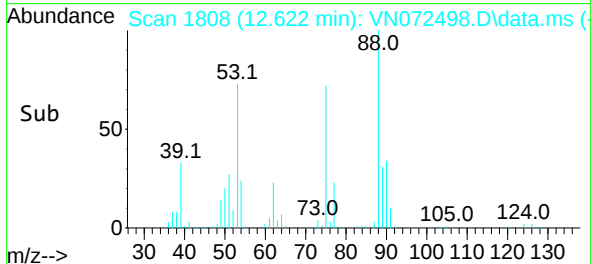
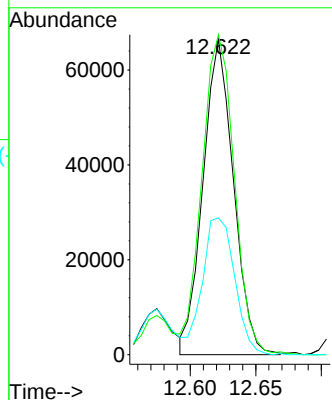
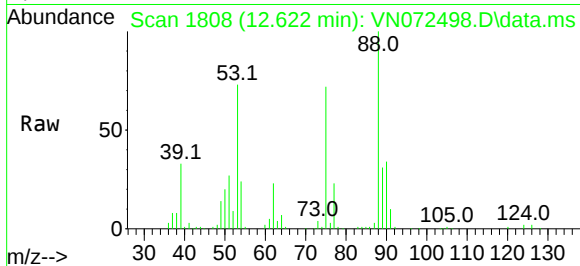




#77  
t-1,4-Dichloro-2-butene  
Concen: 135.743 ug/l  
RT: 12.622 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

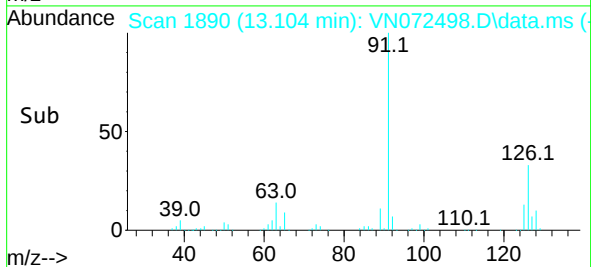
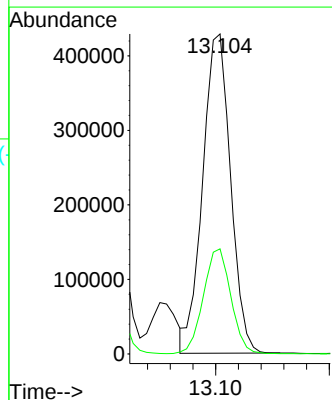
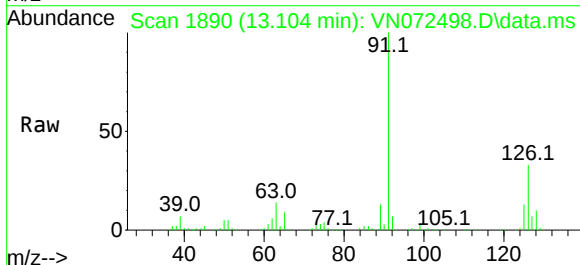
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

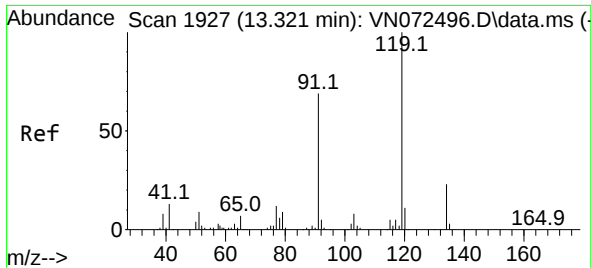
Tgt Ion: 75 Resp: 107242  
Ion Ratio Lower Upper  
75 100  
53 101.0 51.8 155.5  
89 43.3 22.9 68.7



#78  
4-Chlorotoluene  
Concen: 135.806 ug/l  
RT: 13.104 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 91 Resp: 729635  
Ion Ratio Lower Upper  
91 100  
126 32.7 0.0 70.6

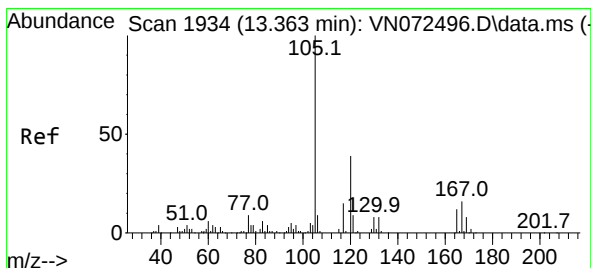
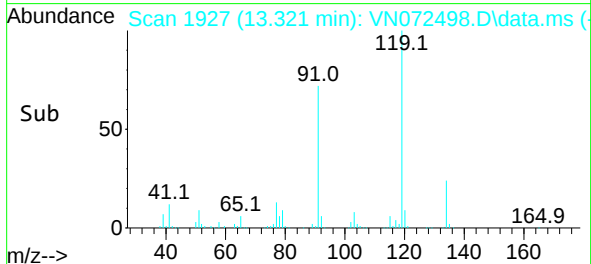
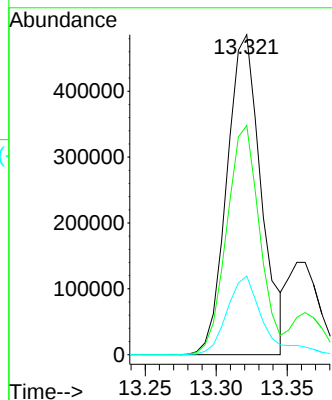
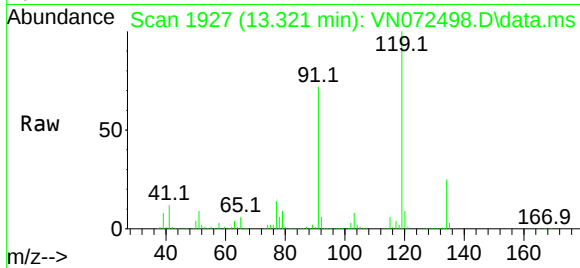




#79  
tert-butylbenzene  
Concen: 134.093 ug/l  
RT: 13.321 min Scan# 1927  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

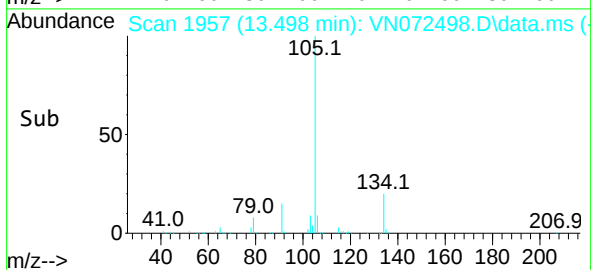
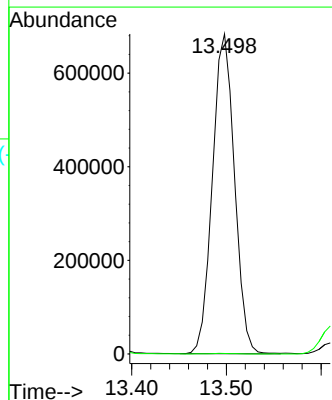
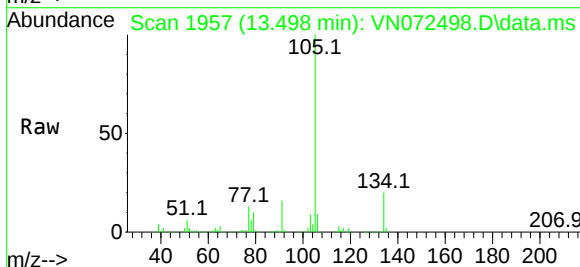
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

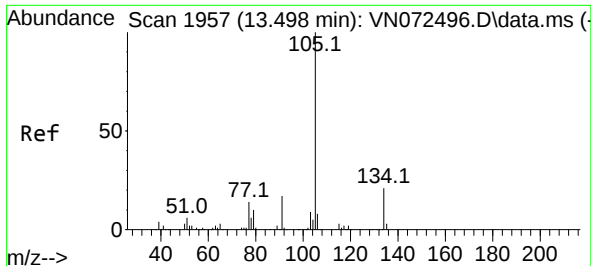
Tgt Ion:119 Resp: 817656  
Ion Ratio Lower Upper  
119 100  
91 68.7 0.0 137.0  
134 24.2 0.0 47.6



#80  
1,2,4-Trimethylbenzene  
Concen: 166.732 ug/l  
RT: 13.498 min Scan# 1957  
Delta R.T. 0.135 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion:105 Resp: 1106717  
Ion Ratio Lower Upper  
105 100  
120 0.2 0.0 0.2

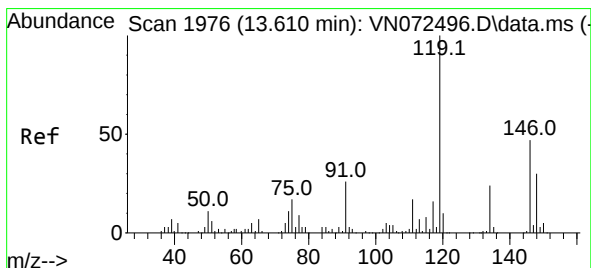
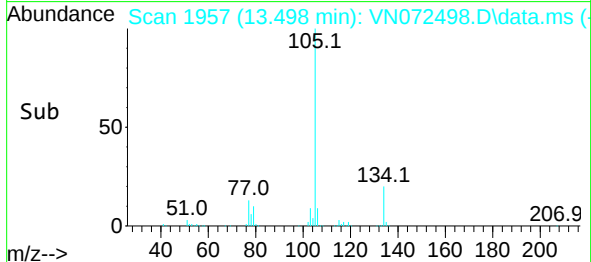
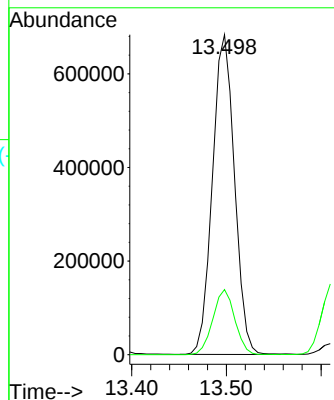
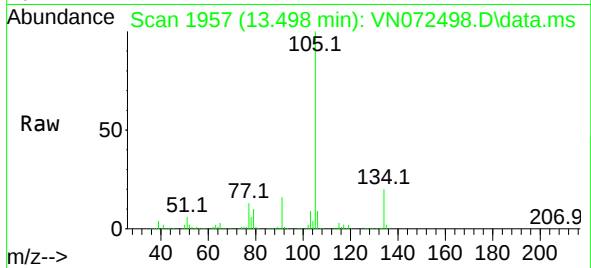




#81  
 sec-Butylbenzene  
 Concen: 136.206 ug/l  
 RT: 13.498 min Scan# 1957  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

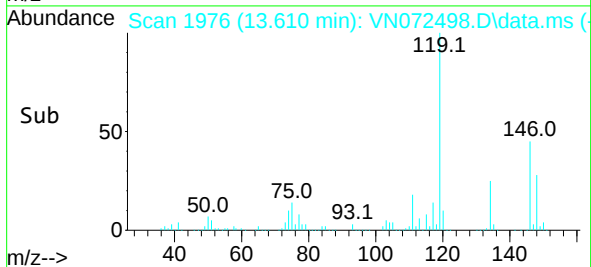
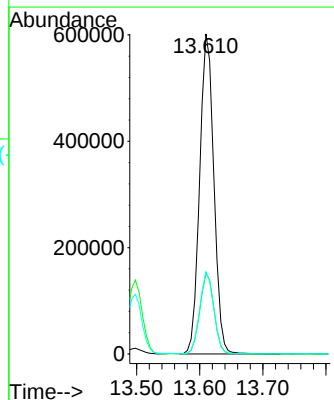
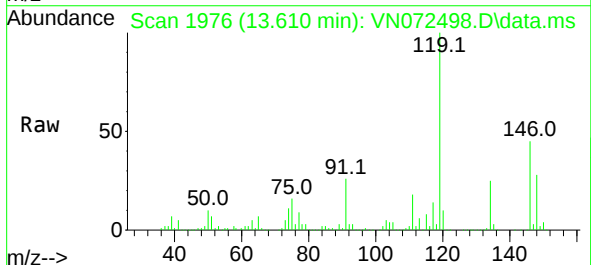
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

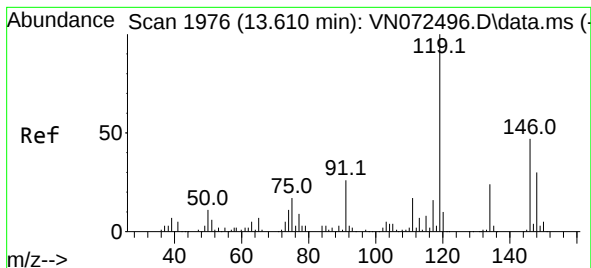
Tgt Ion:105 Resp: 1106717  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 0.0 39.4



#82  
 p-Isopropyltoluene  
 Concen: 141.309 ug/l  
 RT: 13.610 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

Tgt Ion:119 Resp: 939666  
 Ion Ratio Lower Upper  
 119 100  
 134 25.0 0.0 51.8  
 91 25.2 0.0 50.4





#83

1,3-Dichlorobenzene

Concen: 134.258 ug/l

RT: 13.610 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

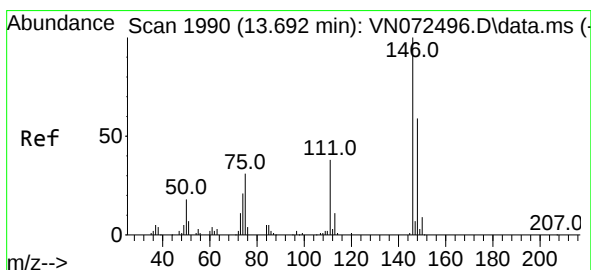
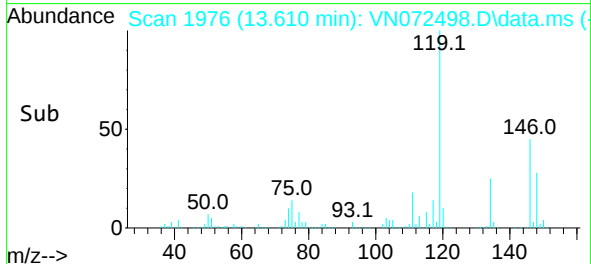
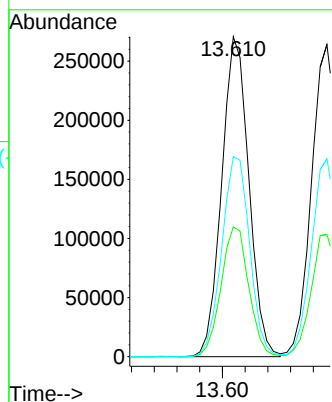
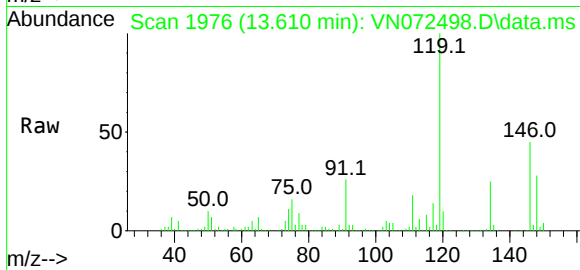
Tgt Ion:146 Resp: 449218

Ion Ratio Lower Upper

146 100

111 41.3 20.8 62.2

148 64.1 31.4 94.3



#84

1,4-Dichlorobenzene

Concen: 137.414 ug/l

RT: 13.692 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN072498.D

Acq: 16 May 2022 13:28

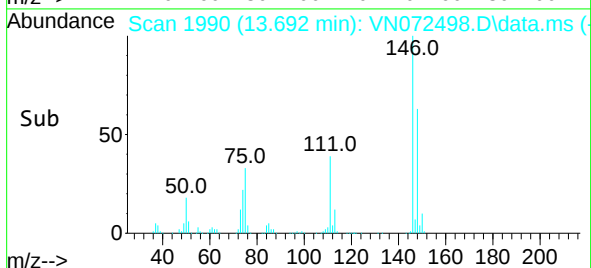
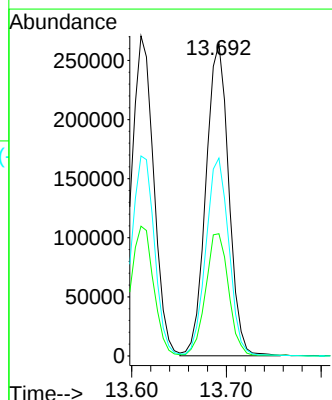
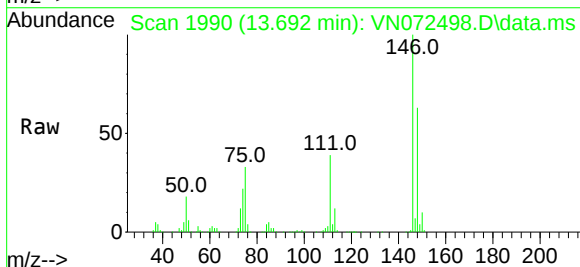
Tgt Ion:146 Resp: 441680

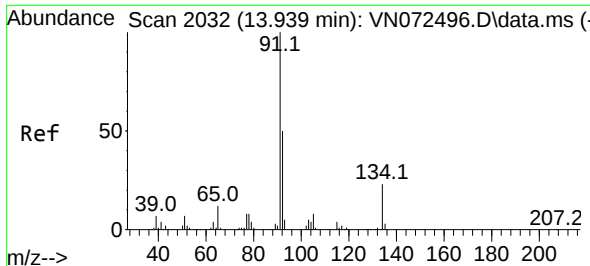
Ion Ratio Lower Upper

146 100

111 39.5 19.5 58.5

148 64.2 31.1 93.5

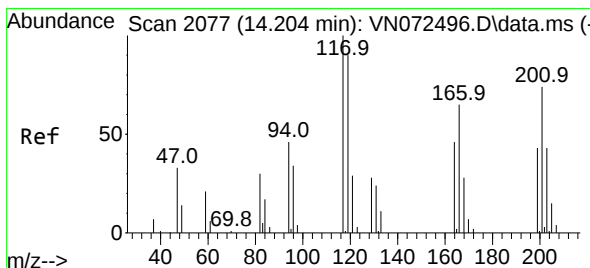
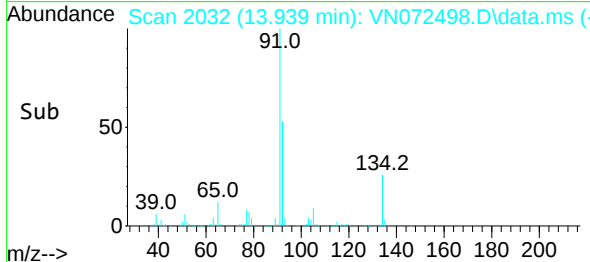
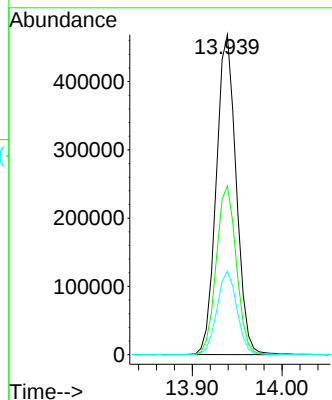
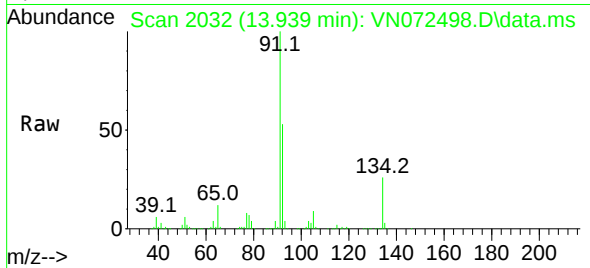




#85  
n-Butylbenzene  
Concen: 148.701 ug/l  
RT: 13.939 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

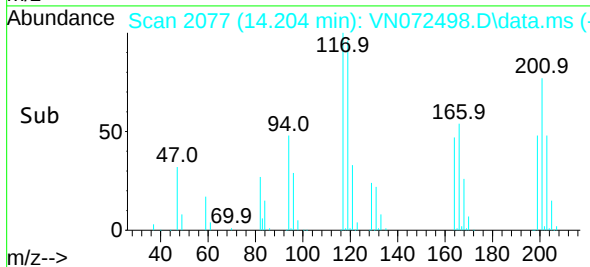
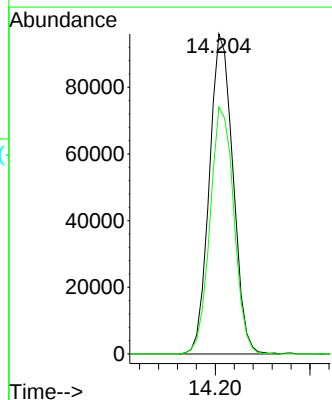
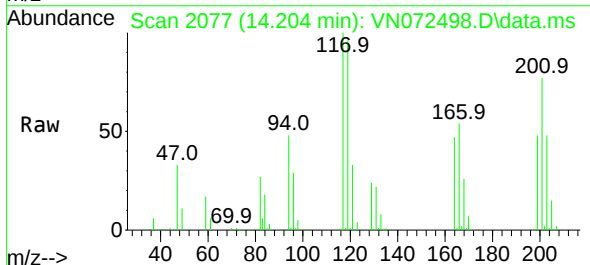
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

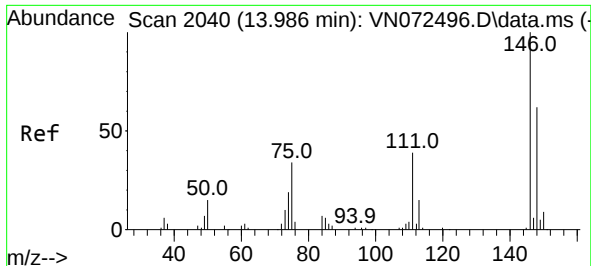
Tgt Ion: 91 Resp: 720986  
Ion Ratio Lower Upper  
91 100  
92 53.3 0.0 100.6  
134 26.3 0.0 50.2



#86  
Hexachloroethane  
Concen: 136.810 ug/l  
RT: 14.204 min Scan# 2077  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 117 Resp: 166473  
Ion Ratio Lower Upper  
117 100  
201 77.9 33.3 99.8

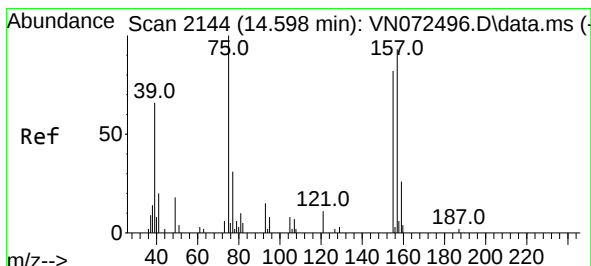
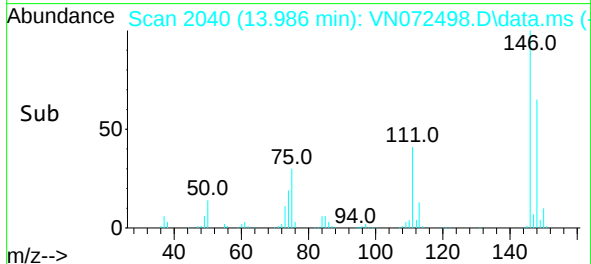
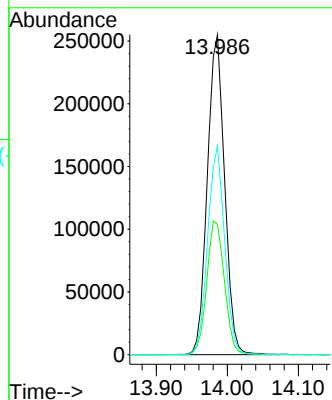
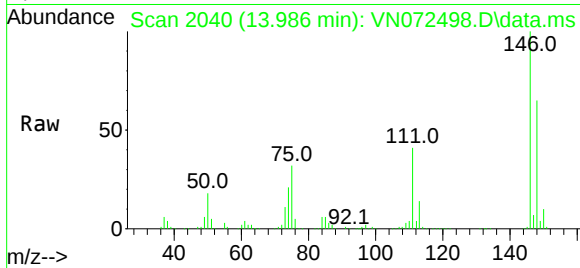




#87  
1,2-Dichlorobenzene  
Concen: 132.712 ug/l  
RT: 13.986 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

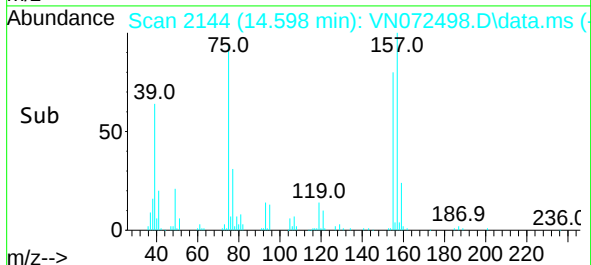
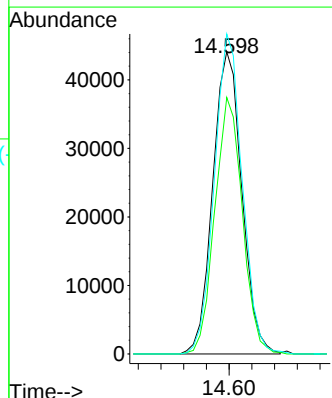
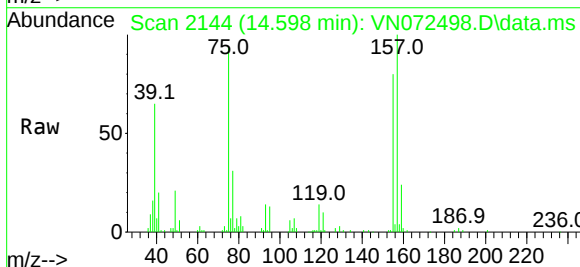
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

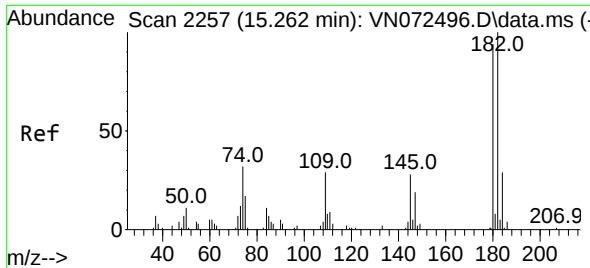
Tgt Ion:146 Resp: 431280  
Ion Ratio Lower Upper  
146 100  
111 42.7 21.4 64.2  
148 64.3 32.5 97.4



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 149.794 ug/l  
RT: 14.598 min Scan# 2144  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion: 75 Resp: 78456  
Ion Ratio Lower Upper  
75 100  
155 80.3 63.8 95.8  
157 101.2 77.9 116.9

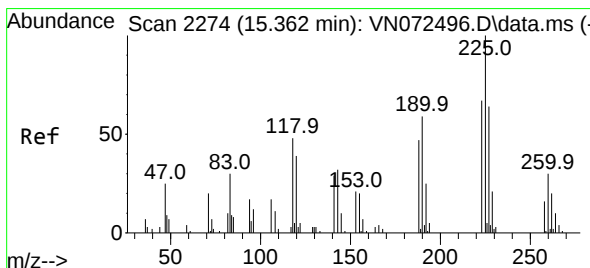
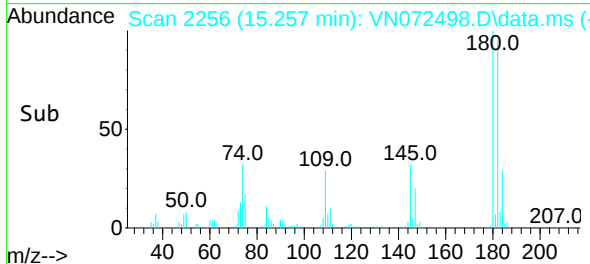
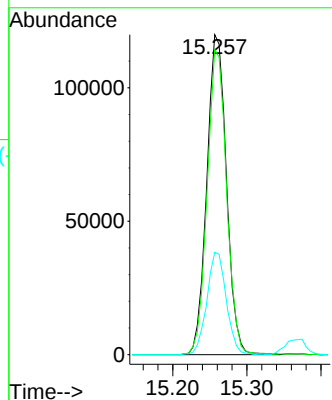
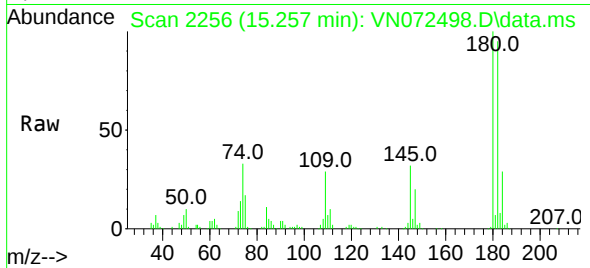




#89  
 1,2,4-Trichlorobenzene  
 Concen: 151.720 ug/l  
 RT: 15.257 min Scan# 2256  
 Delta R.T. -0.006 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

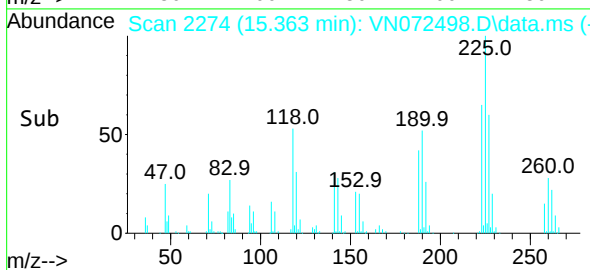
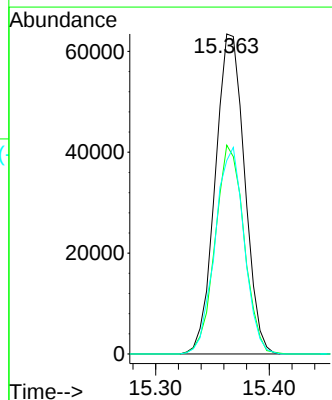
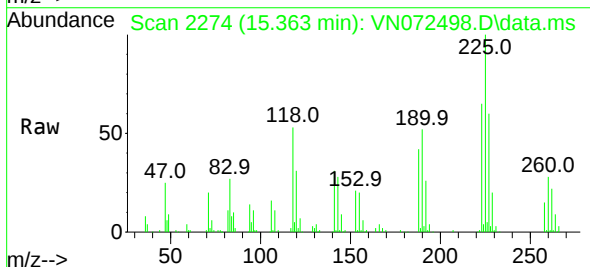
Instrument :  
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 ClientSampleId :  
 VSTDIC100

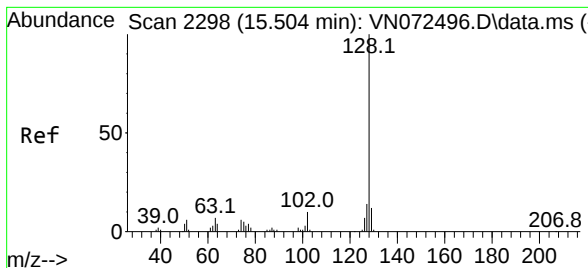
Tgt Ion:180 Resp: 220396  
 Ion Ratio Lower Upper  
 180 100  
 182 94.0 77.7 116.5  
 145 31.7 26.6 39.8



#90  
 Hexachlorobutadiene  
 Concen: 126.096 ug/l  
 RT: 15.363 min Scan# 2274  
 Delta R.T. 0.000 min  
 Lab File: VN072498.D  
 Acq: 16 May 2022 13:28

Tgt Ion:225 Resp: 113973  
 Ion Ratio Lower Upper  
 225 100  
 223 64.2 0.0 126.8  
 227 63.9 0.0 123.0

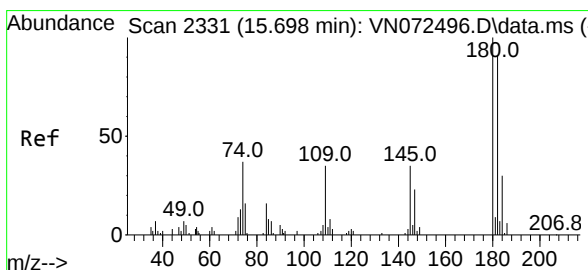
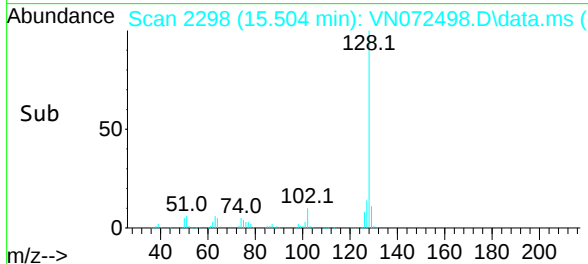
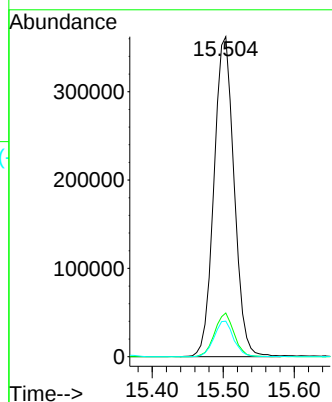
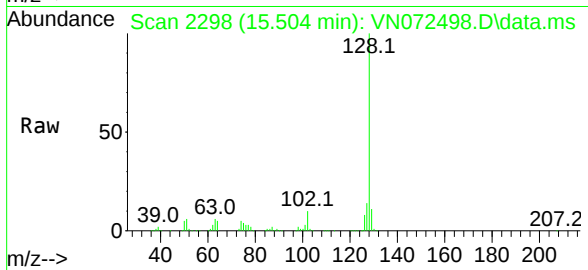




#91  
Naphthalene  
Concen: 174.511 ug/l  
RT: 15.504 min Scan# 2298  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tgt Ion:128 Resp: 712667  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.7 16.1  
129 10.8 9.0 13.6



#92  
1,2,3-Trichlorobenzene  
Concen: 152.972 ug/l  
RT: 15.698 min Scan# 2331  
Delta R.T. 0.000 min  
Lab File: VN072498.D  
Acq: 16 May 2022 13:28

Tgt Ion:180 Resp: 222211  
Ion Ratio Lower Upper  
180 100  
182 96.2 0.0 190.0  
145 33.8 0.0 67.8

