

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072922\  
 Data File : VN073649.D  
 Acq On : 29 Jul 2022 21:04  
 Operator : JC\MD  
 Sample : VSTDC0020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0020EC

Quant Time: Aug 01 04:35:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072722W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jul 27 18:07:26 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Bromochloromethane        | 7.586  | 128   | 49089    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene      | 8.904  | 114   | 278980   | 30.000   | ug/l       | 0.00     |
| 57) Chlorobenzene-d5         | 11.686 | 117   | 260384   | 30.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 8.369  | 65    | 132511   | 31.221   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 104.067% |          |
| 60) 4-Bromofluorobenzene     | 12.674 | 95    | 135692   | 29.431   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 98.100%  |          |
| 63) Toluene-d8               | 10.380 | 98    | 438615   | 29.916   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 99.733%  |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.046  | 85    | 65396    | 19.600   | ug/l       | 97       |
| 3) Chloromethane             | 2.269  | 50    | 90163    | 20.438   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.404  | 62    | 111127   | 20.524   | ug/l       | 98       |
| 5) Bromomethane              | 2.810  | 94    | 60891    | 22.137   | ug/l       | 99       |
| 6) Chloroethane              | 2.969  | 64    | 74564    | 20.326   | ug/l       | 97       |
| 7) Trichlorofluoromethane    | 3.316  | 101   | 120636   | 22.652   | ug/l       | 95       |
| 8) Diethyl Ether             | 3.763  | 74    | 42172    | 19.679   | ug/l       | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.140  | 101   | 63921    | 19.909   | ug/l #     | 65       |
| 10) 1,1-Dichloroethene       | 4.116  | 96    | 60885    | 19.811   | ug/l       | 93       |
| 11) Methyl Iodide            | 4.346  | 142   | 67956    | 19.169   | ug/l       | 88       |
| 12) Methyl Acetate           | 4.781  | 43    | 110178   | 21.094   | ug/l       | 94       |
| 13) Acrolein                 | 3.981  | 56    | 103196   | 112.391  | ug/l       | 96       |
| 14) Acrylonitrile            | 5.475  | 53    | 244868   | 101.580  | ug/l       | 96       |
| 15) Acetone                  | 4.228  | 58    | 70629    | 105.392  | ug/l       | 71       |
| 16) Carbon Disulfide         | 4.457  | 76    | 156484   | 18.632   | ug/l       | 100      |
| 17) Allyl chloride           | 4.763  | 41    | 93520    | 18.243   | ug/l       | 88       |
| 18) Methylene Chloride       | 5.016  | 84    | 84613    | 21.728   | ug/l       | 97       |
| 19) trans-1,2-Dichloroethene | 5.510  | 96    | 66835    | 19.614   | ug/l       | 98       |
| 20) Diisopropyl ether        | 6.416  | 45    | 221177   | 19.834   | ug/l       | 97       |
| 21) 1,1-Dichloroethane       | 6.310  | 63    | 127304   | 19.346   | ug/l       | 100      |
| 22) cis-1,2-Dichloroethene   | 7.251  | 96    | 82334    | 20.086   | ug/l       | 92       |
| 23) tert-Butyl Alcohol       | 5.287  | 59    | 87818    | 103.084  | ug/l #     | 100      |
| 24) Methyl tert-Butyl Ether  | 5.540  | 73    | 220368   | 20.347   | ug/l       | 91       |
| 25) Chloroform               | 7.745  | 83    | 134946   | 19.868   | ug/l       | 97       |
| 26) Cyclohexane              | 8.028  | 56    | 104249   | 18.367   | ug/l #     | 95       |
| 29) 1,1-Dichloropropene      | 8.151  | 75    | 93382    | 17.914   | ug/l       | 99       |
| 30) 2-Butanone               | 7.263  | 43    | 340897   | 94.602   | ug/l       | 99       |
| 31) 2,2-Dichloropropane      | 7.251  | 77    | 84681    | 15.568   | ug/l       | 98       |
| 32) 1,1,1-Trichloroethane    | 7.939  | 97    | 114862   | 19.038   | ug/l       | 98       |
| 33) Carbon Tetrachloride     | 8.133  | 117   | 98568    | 19.052   | ug/l       | 100      |
| 34) Benzene                  | 8.392  | 78    | 313668   | 18.595   | ug/l       | 100      |
| 35) Methacrylonitrile        | 7.563  | 41    | 39213    | 13.406   | ug/l       | 97       |
| 36) 1,2-Dichloroethane       | 8.463  | 62    | 105758   | 19.013   | ug/l #     | 94       |
| 37) Trichloroethene          | 9.151  | 130   | 76114    | 18.341   | ug/l       | 99       |
| 38) Methylcyclohexane        | 9.398  | 83    | 113380   | 17.521   | ug/l       | 99       |
| 39) 1,2-Dichloropropane      | 9.428  | 63    | 76013    | 17.862   | ug/l       | 100      |
| 40) Dibromomethane           | 9.510  | 93    | 55562    | 19.241   | ug/l       | 89       |
| 41) Bromodichloromethane     | 9.704  | 83    | 105077   | 18.589   | ug/l       | 94       |
| 42) Vinyl Acetate            | 6.351  | 43    | 944520   | 90.963   | ug/l       | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072922\  
 Data File : VN073649.D  
 Acq On : 29 Jul 2022 21:04  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

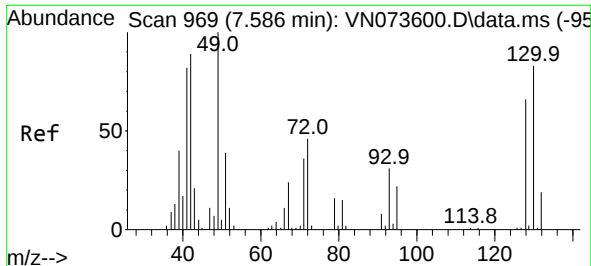
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Quant Time: Aug 01 04:35:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072722W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jul 27 18:07:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.339  | 43   | 130110   | 19.020  | ug/l   | 97       |
| 44) Isopropyl Acetate         | 8.492  | 43   | 177373   | 18.645  | ug/l   | 95       |
| 45) 1,4-Dioxane               | 9.504  | 88   | 42240    | 372.381 | ug/l # | 93       |
| 46) Methyl methacrylate       | 9.498  | 41   | 74975    | 17.624  | ug/l   | 85       |
| 47) n-amyl Acetate            | 12.333 | 43   | 137676   | 18.153  | ug/l   | 94       |
| 48) t-1,3-Dichloropropene     | 10.663 | 75   | 102903   | 17.683  | ug/l   | 96       |
| 49) cis-1,3-Dichloropropene   | 10.127 | 75   | 115950   | 17.945  | ug/l # | 89       |
| 50) 1,1,2-Trichloroethane     | 10.839 | 97   | 82908    | 19.138  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 10.704 | 69   | 117562   | 18.050  | ug/l   | 82       |
| 52) 1,3-Dichloropropane       | 10.986 | 76   | 135496   | 18.556  | ug/l   | 98       |
| 53) Dibromochloromethane      | 11.180 | 129  | 82326    | 18.752  | ug/l   | 97       |
| 54) 1,2-Dibromoethane         | 11.286 | 107  | 82620    | 18.714  | ug/l   | 95       |
| 55) 2-Chloroethyl vinyl ether | 9.980  | 63   | 293407   | 100.441 | ug/l   | 99       |
| 56) Bromoform                 | 12.398 | 173  | 62211    | 18.032  | ug/l # | 97       |
| 58) 4-Methyl-2-Pentanone      | 10.269 | 43   | 649615   | 96.485  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.027 | 43   | 493990   | 95.257  | ug/l   | 94       |
| 61) Tetrachloroethene         | 10.916 | 164  | 68559    | 17.189  | ug/l   | 89       |
| 62) Toluene                   | 10.445 | 91   | 342139   | 18.895  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.710 | 112  | 201755   | 18.649  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.780 | 131  | 75054    | 18.689  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.786 | 91   | 348197   | 17.987  | ug/l   | 99       |
| 67) m/p-Xylenes               | 11.892 | 106  | 279818   | 37.818  | ug/l   | 96       |
| 68) o-Xylene                  | 12.221 | 106  | 138492   | 18.845  | ug/l   | 97       |
| 69) Styrene                   | 12.233 | 104  | 223196   | 18.427  | ug/l   | 96       |
| 70) Isopropylbenzene          | 12.521 | 105  | 349825   | 18.619  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.768 | 83   | 131086   | 19.842  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.821 | 75   | 156490   | 28.362  | ug/l   | 48       |
| 73) Bromobenzene              | 12.798 | 156  | 87044    | 18.650  | ug/l   | 98       |
| 74) n-propylbenzene           | 12.863 | 91   | 394001   | 18.019  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 12.945 | 91   | 241545   | 18.428  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 13.004 | 105  | 293276   | 18.636  | ug/l   | 96       |
| 77) t-1,4-Dichloro-2-butene   | 12.569 | 75   | 34679    | 17.247  | ug/l   | 98       |
| 78) 4-Chlorotoluene           | 13.045 | 91   | 226717   | 18.006  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.263 | 119  | 254807   | 18.728  | ug/l   | 95       |
| 80) 1,2,4-Trimethylbenzene    | 13.439 | 105  | 349996   | 22.452  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.439 | 105  | 349996   | 17.915  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.557 | 119  | 285119   | 17.777  | ug/l   | 96       |
| 83) 1,3-Dichlorobenzene       | 13.557 | 146  | 157079   | 18.386  | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene       | 13.633 | 146  | 148877   | 18.065  | ug/l   | 97       |
| 85) n-Butylbenzene            | 13.886 | 91   | 210503   | 16.191  | ug/l   | 97       |
| 86) Hexachloroethane          | 14.151 | 117  | 54825    | 18.638  | ug/l   | 84       |
| 87) 1,2-Dichlorobenzene       | 13.927 | 146  | 162266   | 18.786  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.545 | 75   | 27333    | 18.942  | ug/l # | 79       |
| 89) 1,2,4-Trichlorobenzene    | 15.198 | 180  | 77760    | 16.357  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.304 | 225  | 43711    | 18.154  | ug/l   | 99       |
| 91) Naphthalene               | 15.433 | 128  | 269631   | 17.274  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.627 | 180  | 85978    | 17.606  | ug/l   | 97       |

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

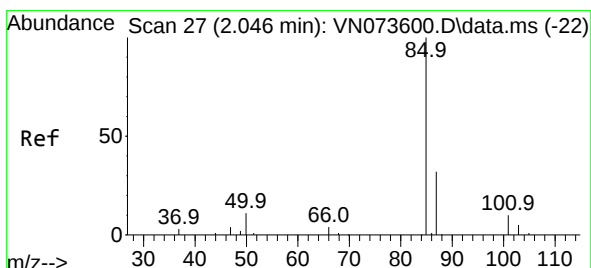
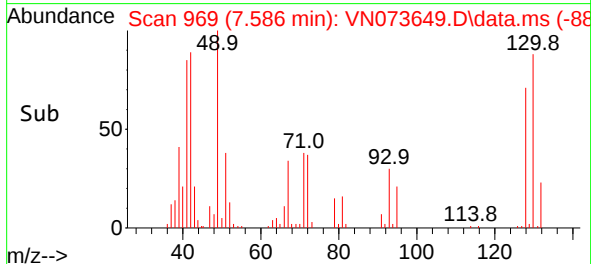
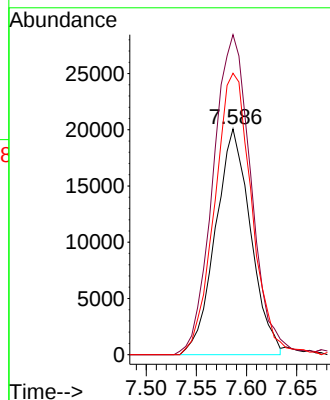
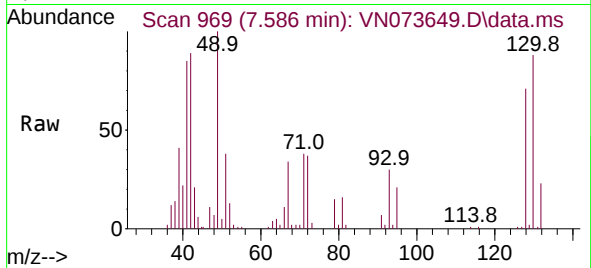




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.586 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

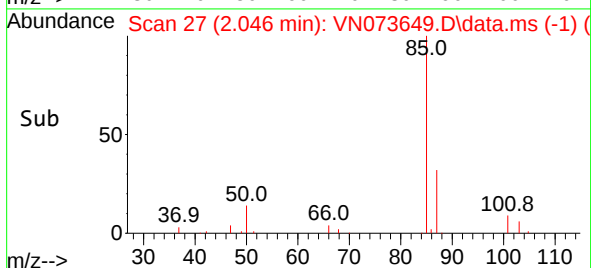
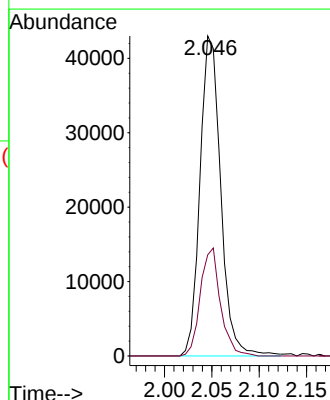
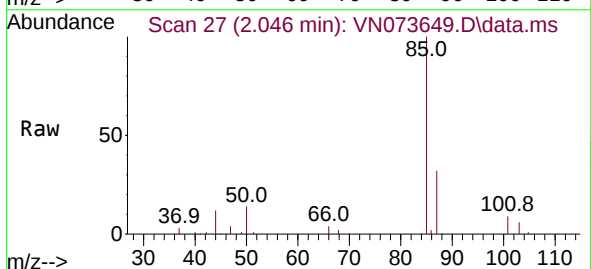
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

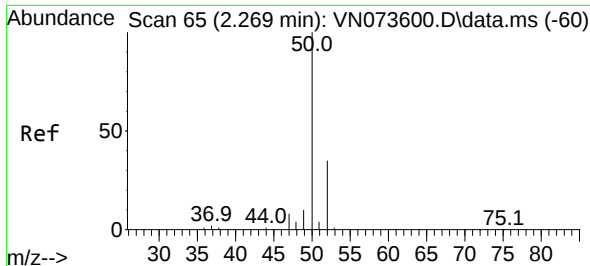
Tgt Ion:128 Resp: 49089  
Ion Ratio Lower Upper  
128 100  
49 153.5 0.0 392.3  
130 131.7 0.0 320.2



#2  
Dichlorodifluoromethane  
Concen: 19.600 ug/l  
RT: 2.046 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 85 Resp: 65396  
Ion Ratio Lower Upper  
85 100  
87 31.6 16.6 49.7

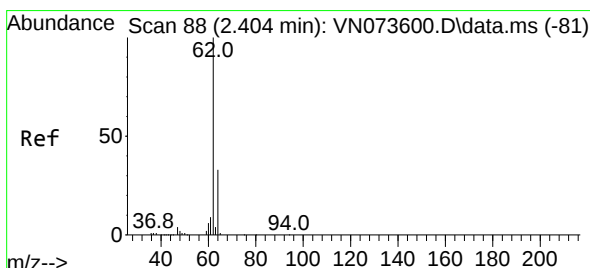
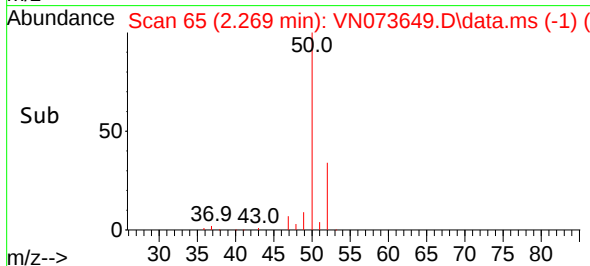
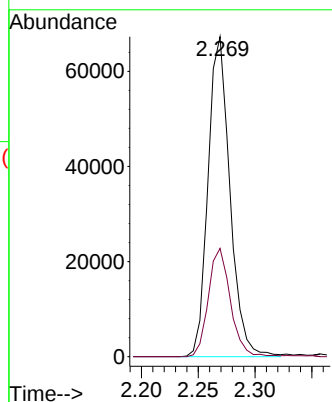
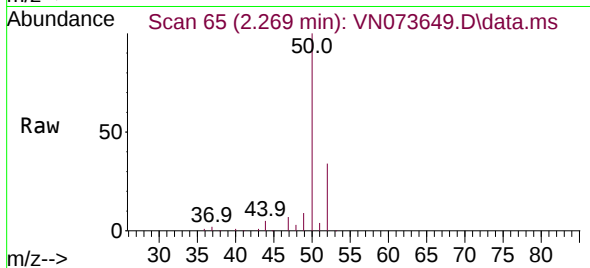




#3  
Chloromethane  
Concen: 20.438 ug/l  
RT: 2.269 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

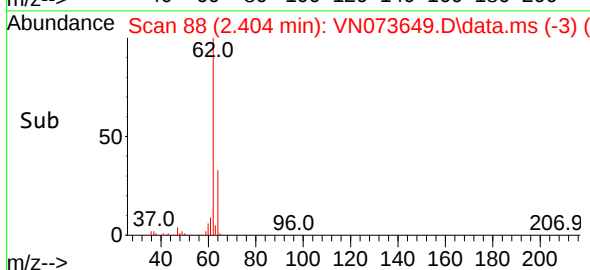
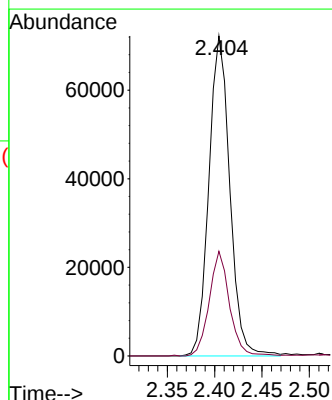
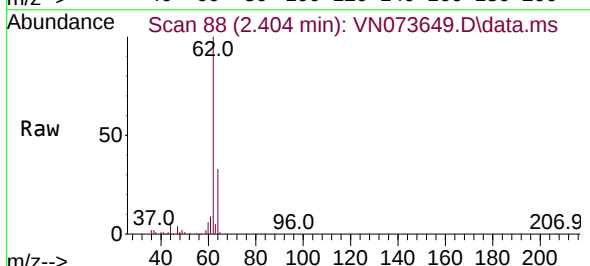
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

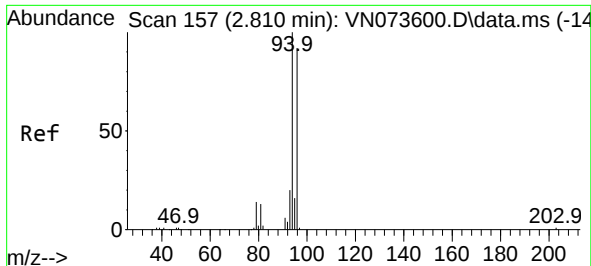
Tgt Ion: 50 Resp: 90163  
Ion Ratio Lower Upper  
50 100  
52 33.8 27.8 41.6



#4  
Vinyl Chloride  
Concen: 20.524 ug/l  
RT: 2.404 min Scan# 88  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 62 Resp: 111127  
Ion Ratio Lower Upper  
62 100  
64 32.7 25.1 37.7

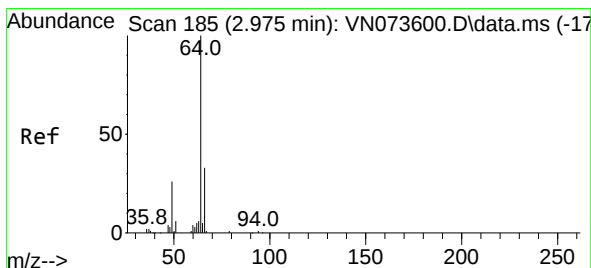
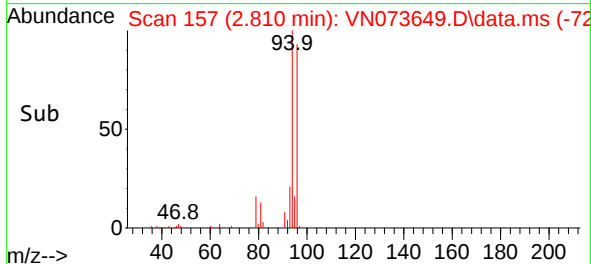
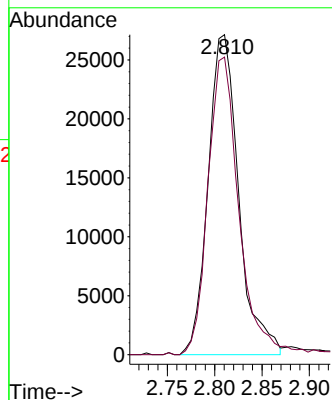
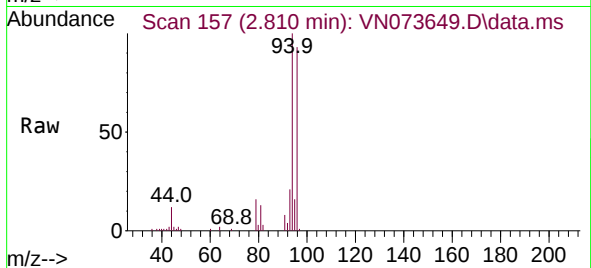




#5  
Bromomethane  
Concen: 22.137 ug/l  
RT: 2.810 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

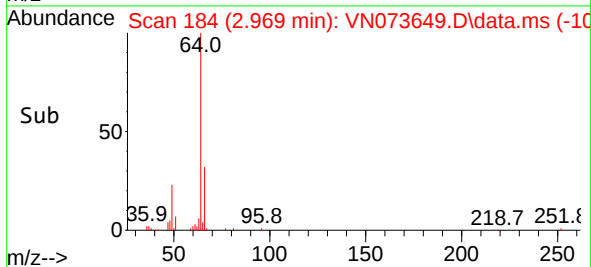
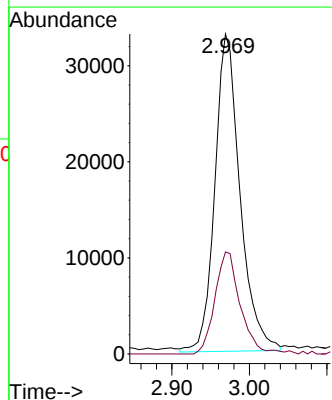
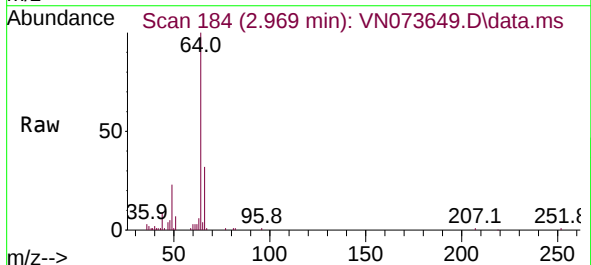
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

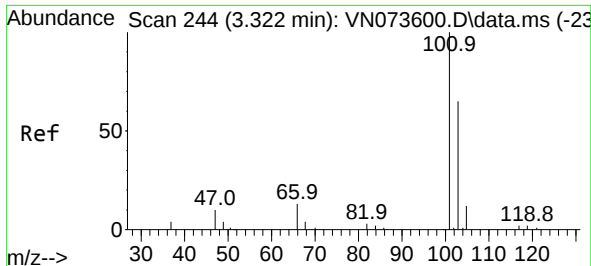
Tgt Ion: 94 Resp: 60891  
Ion Ratio Lower Upper  
94 100  
96 93.0 75.2 112.8



#6  
Chloroethane  
Concen: 20.326 ug/l  
RT: 2.969 min Scan# 184  
Delta R.T. -0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 64 Resp: 74564  
Ion Ratio Lower Upper  
64 100  
66 32.4 24.6 36.8

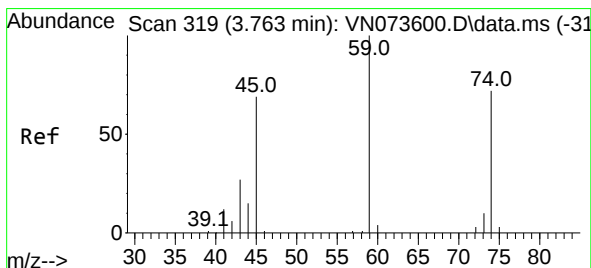
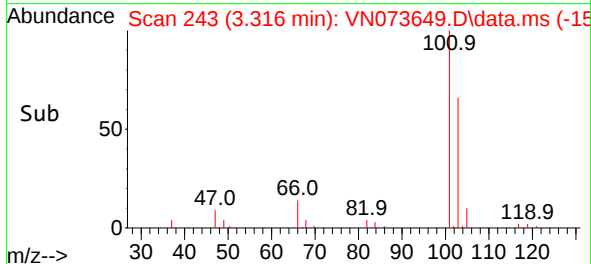
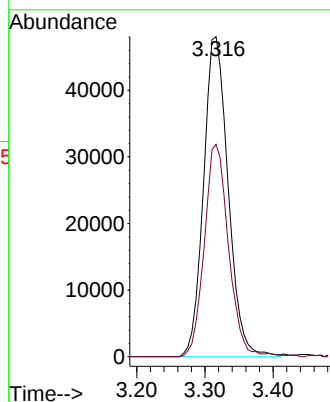
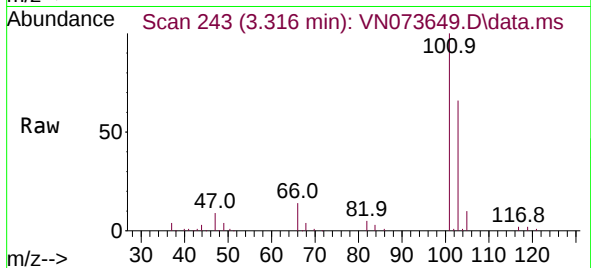




#7  
 Trichlorofluoromethane  
 Concen: 22.652 ug/l  
 RT: 3.316 min Scan# 244  
 Delta R.T. -0.006 min  
 Lab File: VN073649.D  
 Acq: 29 Jul 2022 21:04

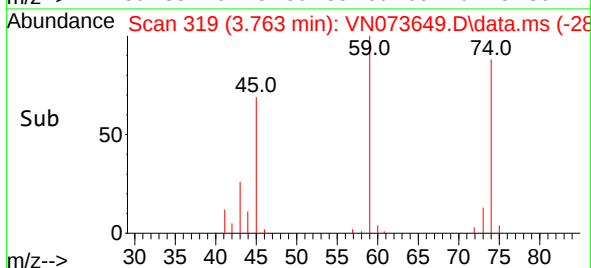
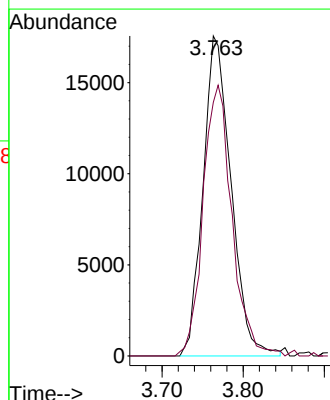
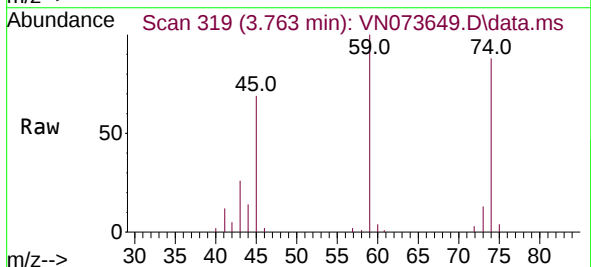
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

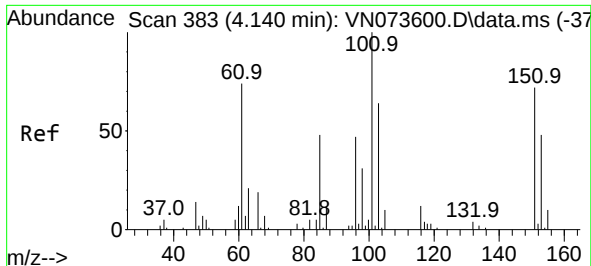
Tgt Ion:101 Resp: 120636  
 Ion Ratio Lower Upper  
 101 100  
 103 66.3 50.1 75.1



#8  
 Diethyl Ether  
 Concen: 19.679 ug/l  
 RT: 3.763 min Scan# 319  
 Delta R.T. 0.000 min  
 Lab File: VN073649.D  
 Acq: 29 Jul 2022 21:04

Tgt Ion: 74 Resp: 42172  
 Ion Ratio Lower Upper  
 74 100  
 45 87.0 17.6 158.8

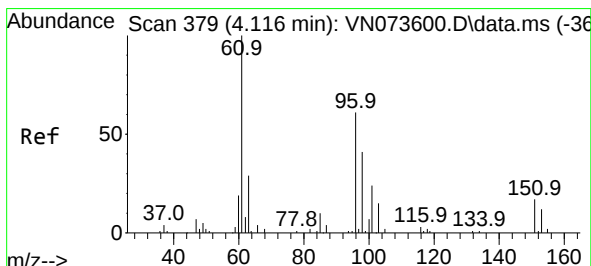
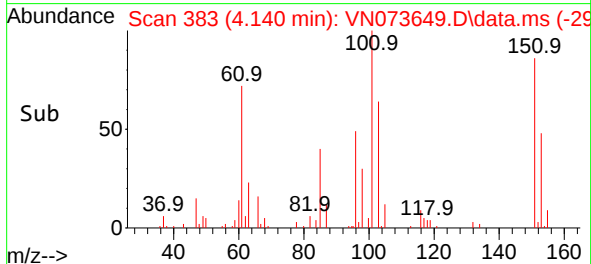
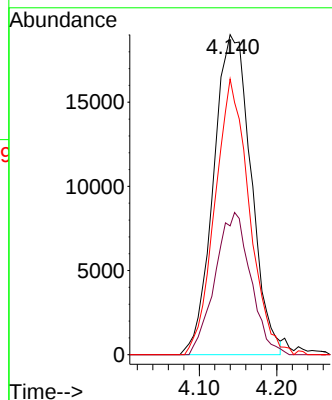
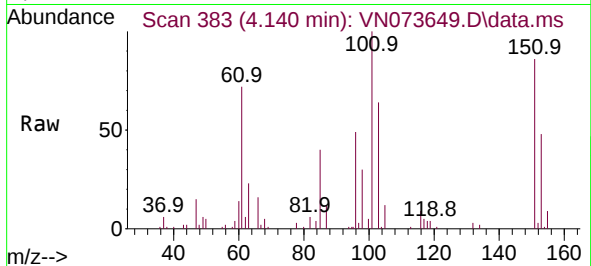




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.909 ug/l  
RT: 4.140 min Scan# 383  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

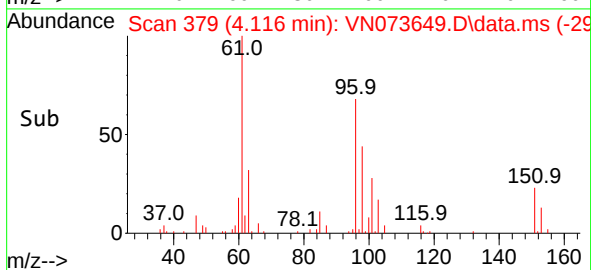
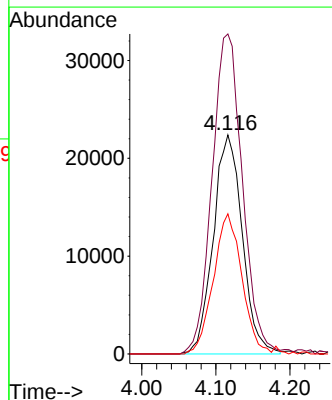
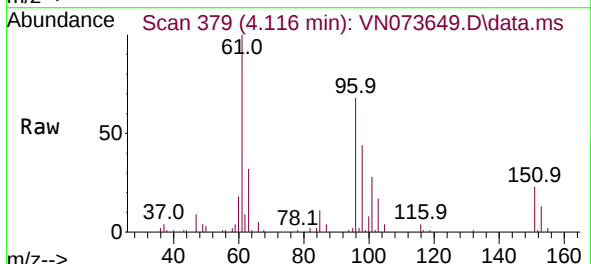
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

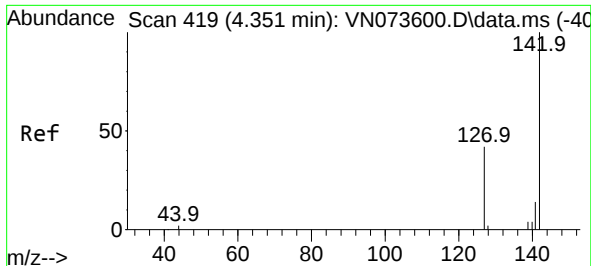
Tgt Ion:101 Resp: 63921  
Ion Ratio Lower Upper  
101 100  
85 42.1 0.0 94.0  
151 78.7 0.0 74.6#



#10  
1,1-Dichloroethene  
Concen: 19.811 ug/l  
RT: 4.116 min Scan# 379  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 96 Resp: 60885  
Ion Ratio Lower Upper  
96 100  
61 146.0 126.2 189.4  
98 64.0 50.9 76.3

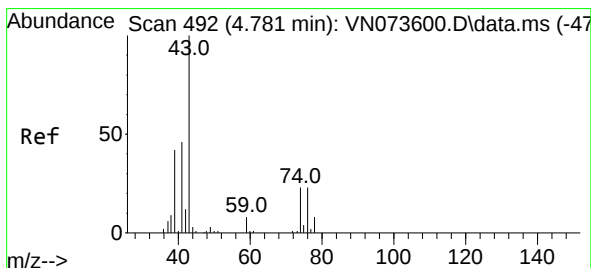
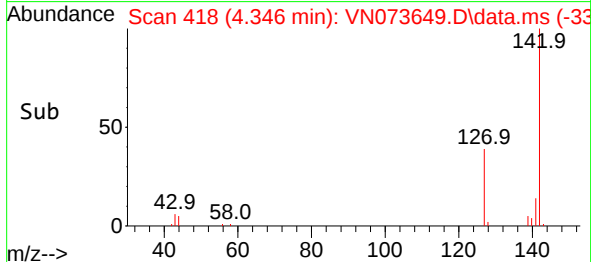
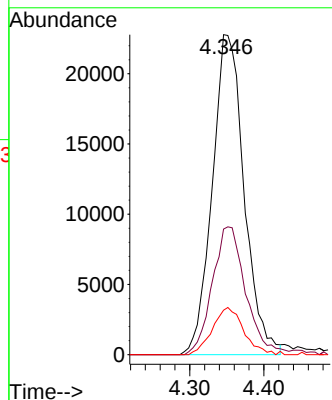
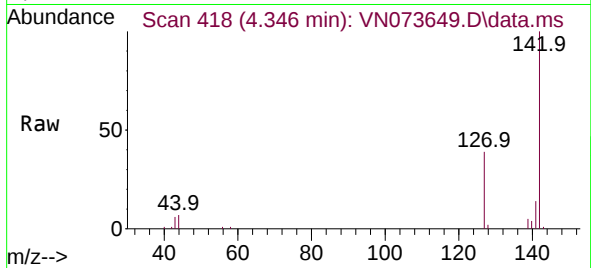




#11  
Methyl Iodide  
Concen: 19.169 ug/l  
RT: 4.346 min Scan# 419  
Delta R.T. -0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

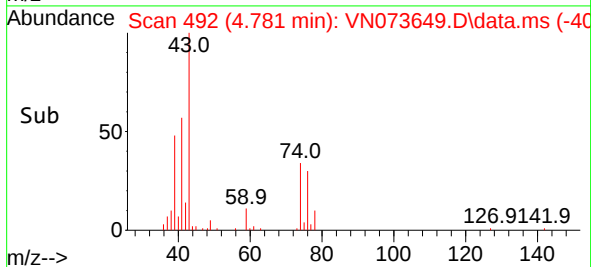
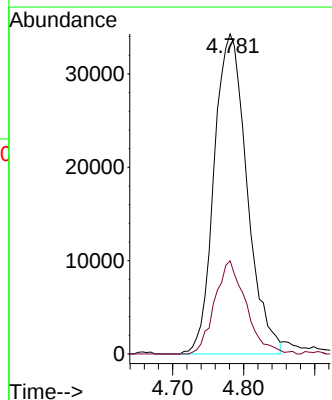
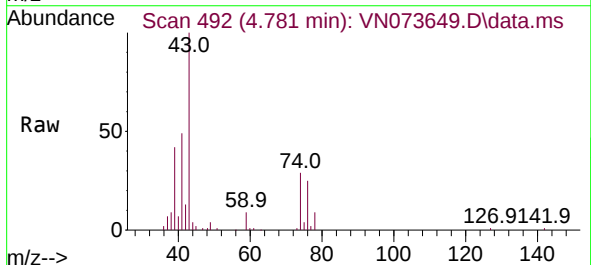
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

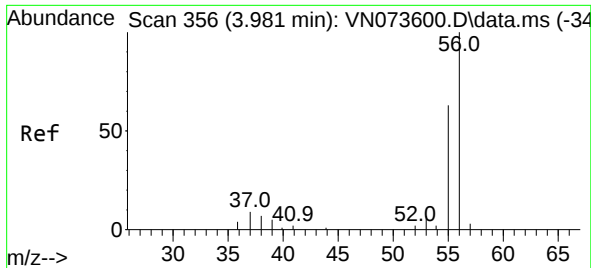
Tgt Ion:142 Resp: 67956  
Ion Ratio Lower Upper  
142 100  
127 38.9 24.0 72.0  
141 13.6 8.4 25.2



#12  
Methyl Acetate  
Concen: 21.094 ug/l  
RT: 4.781 min Scan# 492  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 43 Resp: 110178  
Ion Ratio Lower Upper  
43 100  
74 29.2 20.8 31.2

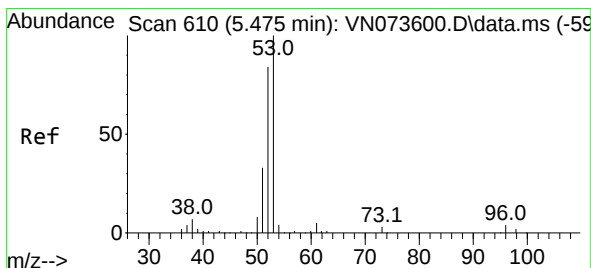
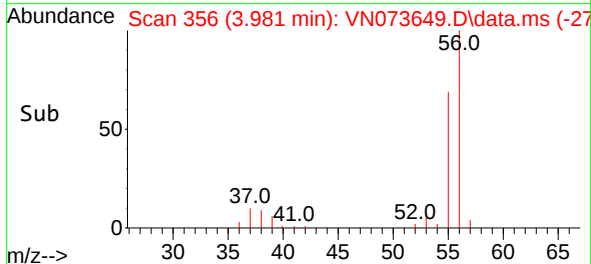
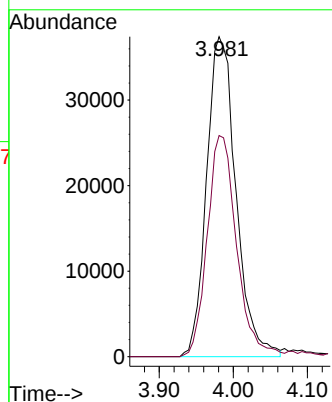
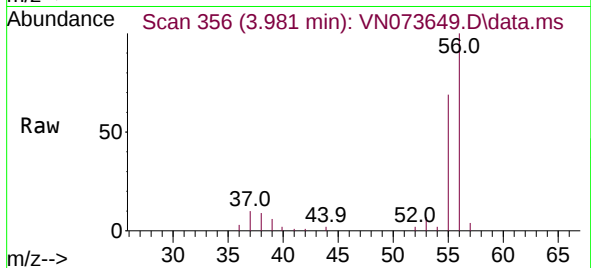




#13  
Acrolein  
Concen: 112.391 ug/l  
RT: 3.981 min Scan# 356  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

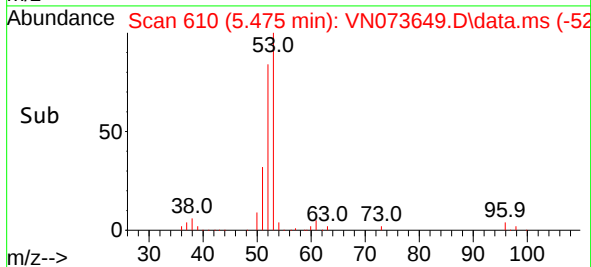
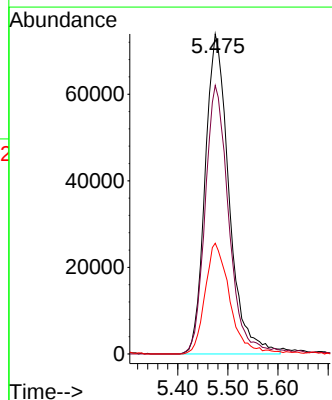
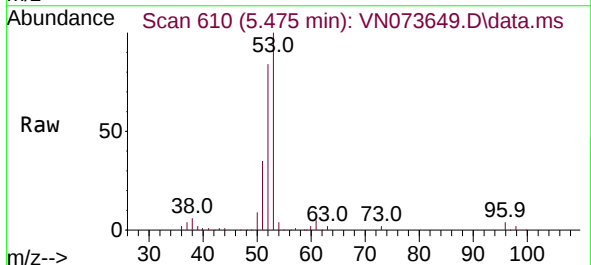
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

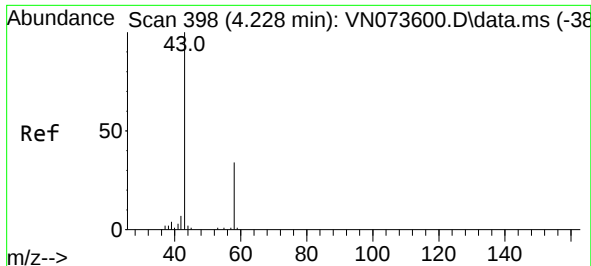
Tgt Ion: 56 Resp: 103196  
Ion Ratio Lower Upper  
56 100  
55 68.9 57.6 86.4



#14  
Acrylonitrile  
Concen: 101.580 ug/l  
RT: 5.475 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 53 Resp: 244868  
Ion Ratio Lower Upper  
53 100  
52 80.8 41.8 125.4  
51 34.9 19.0 57.0

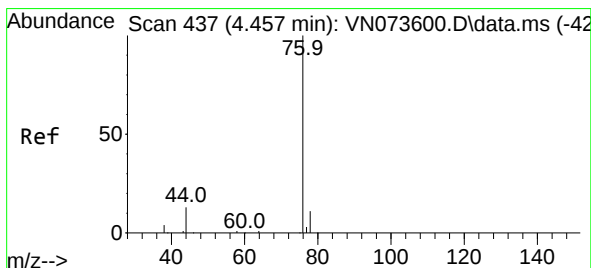
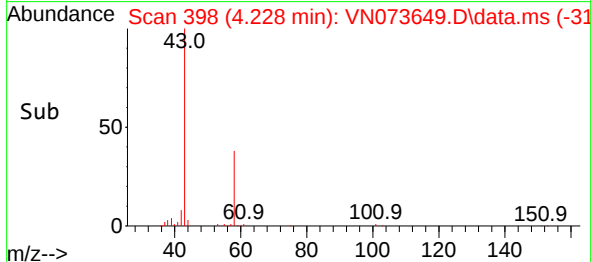
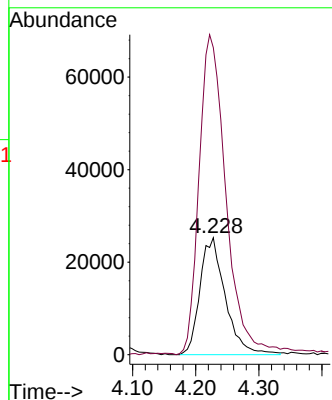
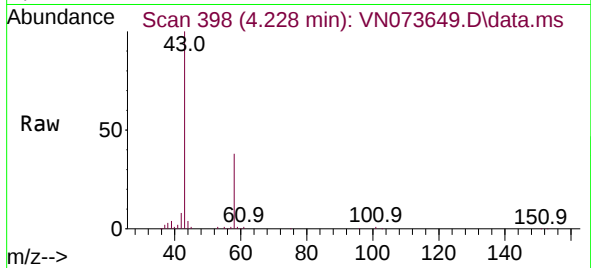




#15  
Acetone  
Concen: 105.392 ug/l  
RT: 4.228 min Scan# 398  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

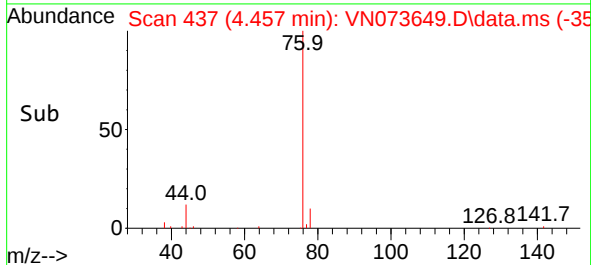
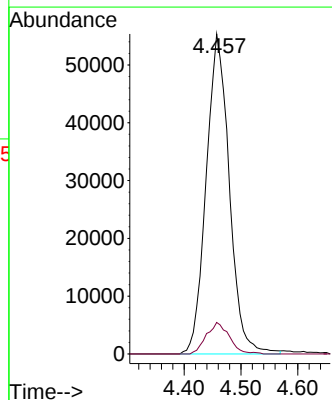
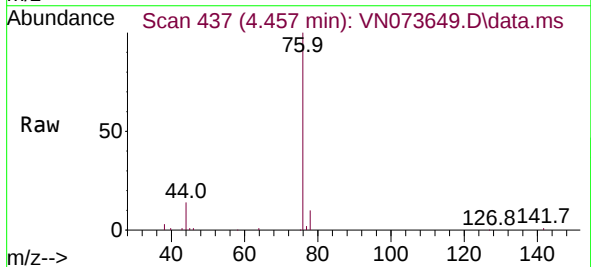
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

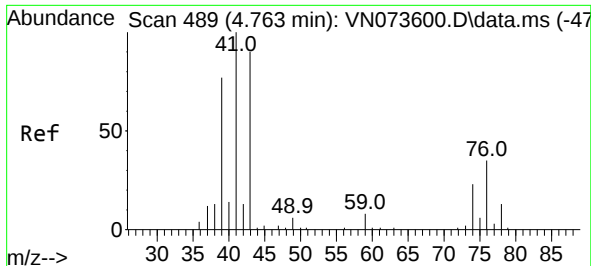
Tgt Ion: 58 Resp: 70629  
Ion Ratio Lower Upper  
58 100  
43 261.1 256.6 384.8



#16  
Carbon Disulfide  
Concen: 18.632 ug/l  
RT: 4.457 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 76 Resp: 156484  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.8 11.8

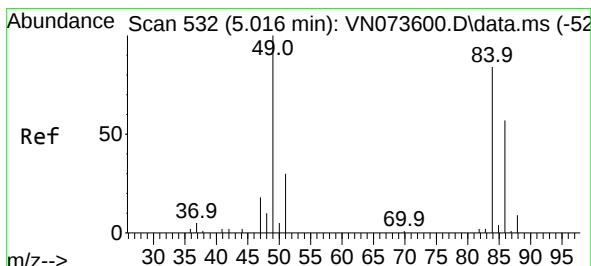
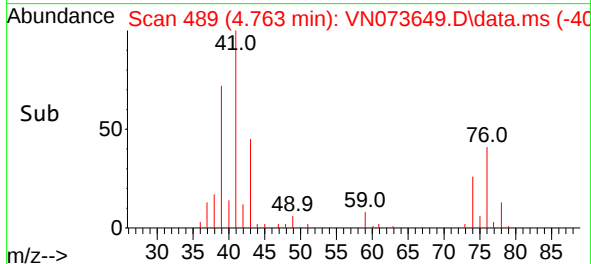
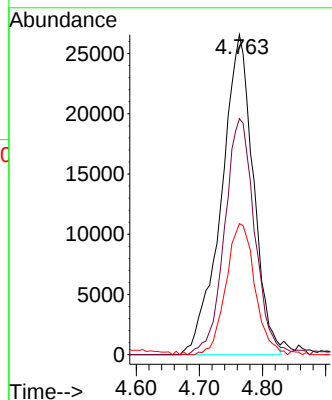
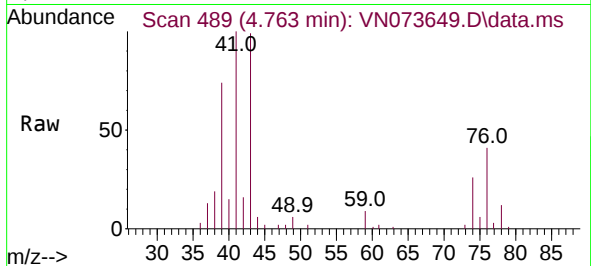




#17  
 Allyl chloride  
 Concen: 18.243 ug/l  
 RT: 4.763 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VN073649.D  
 Acq: 29 Jul 2022 21:04

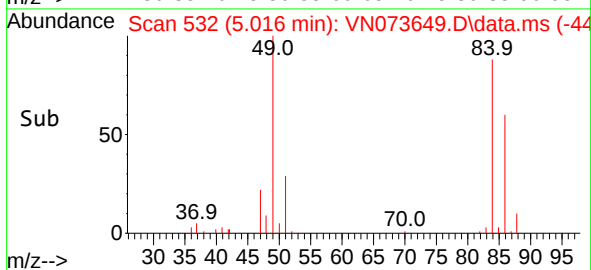
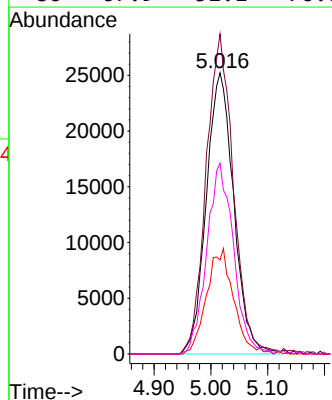
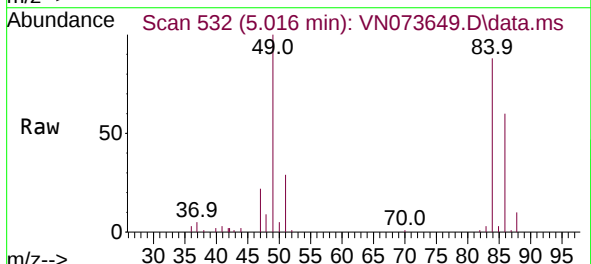
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

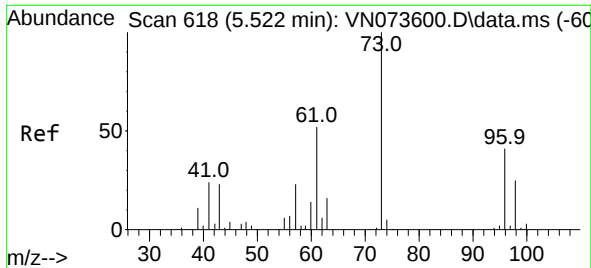
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 93520 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 73.7  | 44.6  | 134.0 |
| 76       | 40.9  | 19.6  | 58.7  |



#18  
 Methylene Chloride  
 Concen: 21.728 ug/l  
 RT: 5.016 min Scan# 532  
 Delta R.T. 0.000 min  
 Lab File: VN073649.D  
 Acq: 29 Jul 2022 21:04

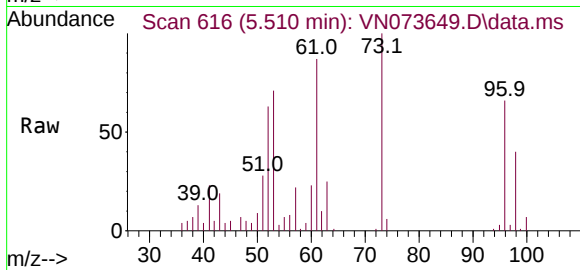
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 84613 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.8 | 91.4  | 137.0 |
| 51       | 33.4  | 29.4  | 44.0  |
| 86       | 67.9  | 51.1  | 76.7  |



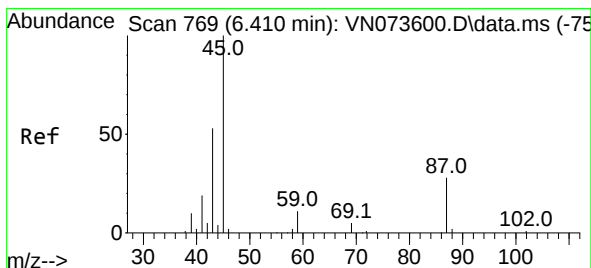
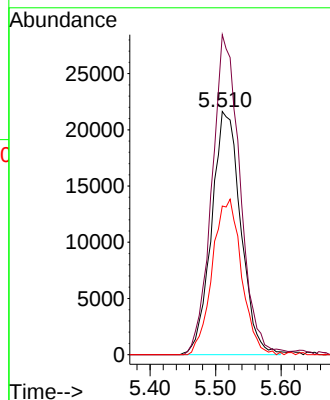
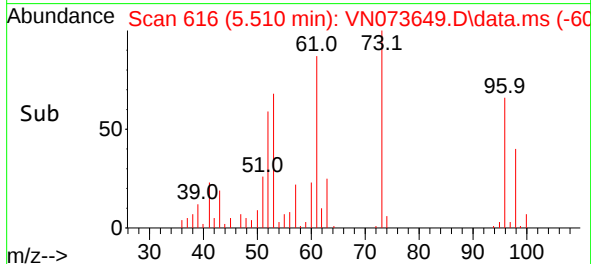


#19  
trans-1,2-Dichloroethene  
Concen: 19.614 ug/l  
RT: 5.510 min Scan# 618  
Delta R.T. -0.012 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

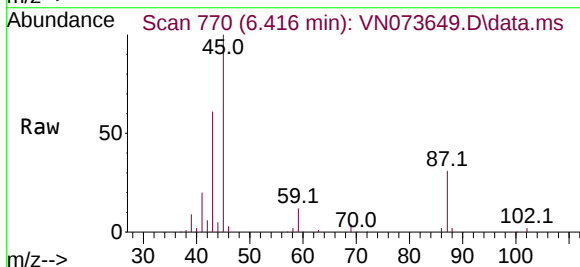
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



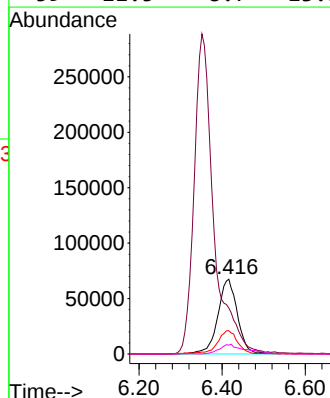
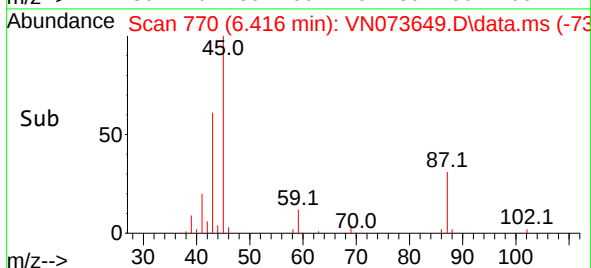
Tgt Ion: 96 Resp: 66835  
Ion Ratio Lower Upper  
96 100  
61 131.6 102.8 154.2  
98 61.1 49.3 73.9

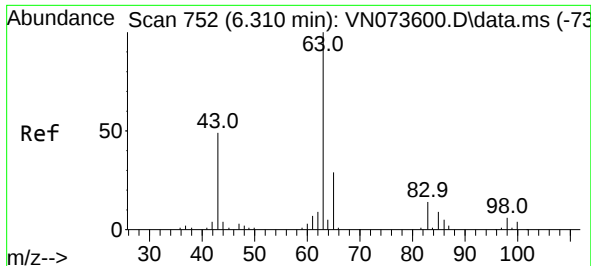


#20  
Diisopropyl ether  
Concen: 19.834 ug/l  
RT: 6.416 min Scan# 770  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04



Tgt Ion: 45 Resp: 221177  
Ion Ratio Lower Upper  
45 100  
43 59.9 51.0 76.4  
87 31.0 25.0 37.4  
59 11.5 8.7 13.1





#21

1,1-Dichloroethane

Concen: 19.346 ug/l

RT: 6.310 min Scan# 752

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

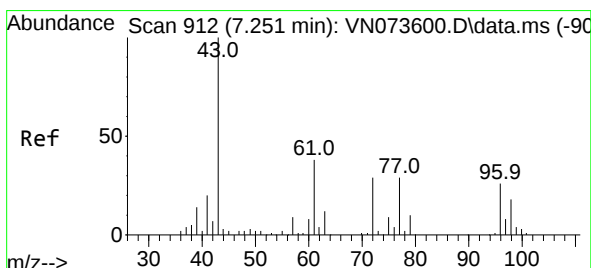
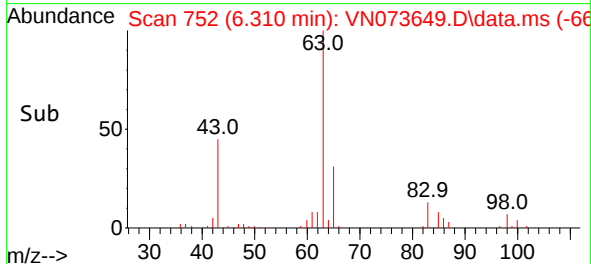
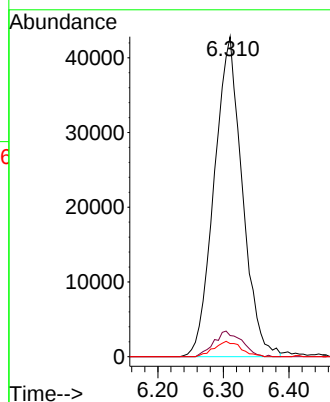
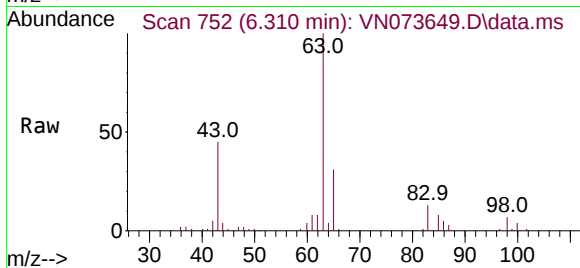
Tgt Ion: 63 Resp: 127304

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.1 2.1 6.2



#22

cis-1,2-Dichloroethene

Concen: 20.086 ug/l

RT: 7.251 min Scan# 912

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

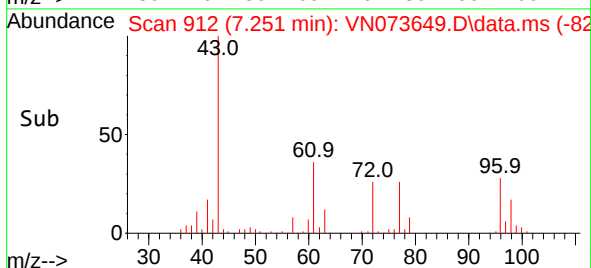
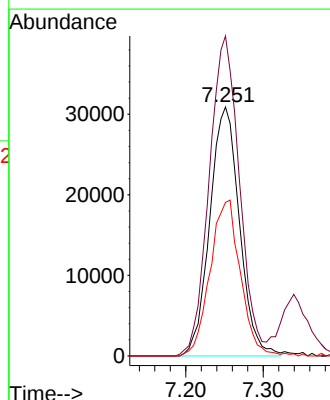
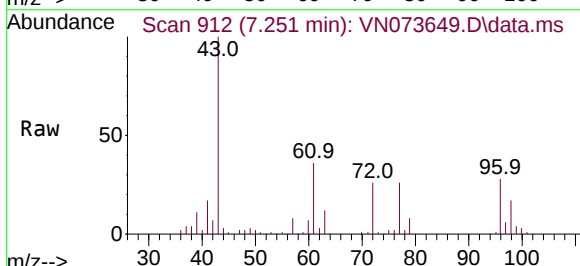
Tgt Ion: 96 Resp: 82334

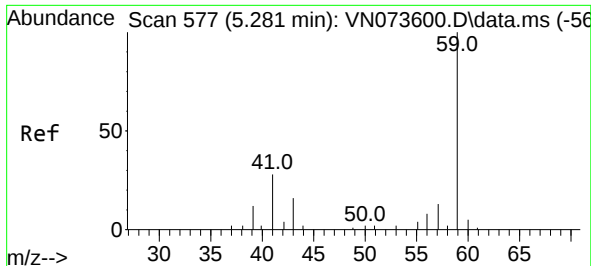
Ion Ratio Lower Upper

96 100

61 130.8 115.7 173.5

98 63.5 51.6 77.4

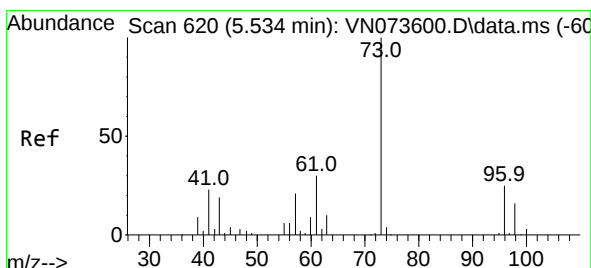
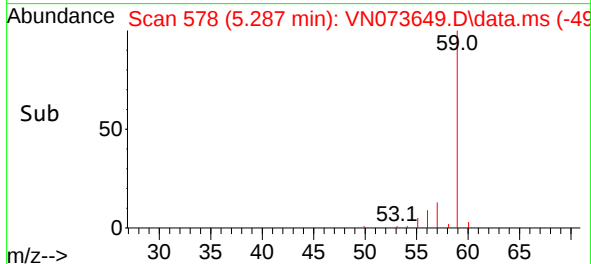
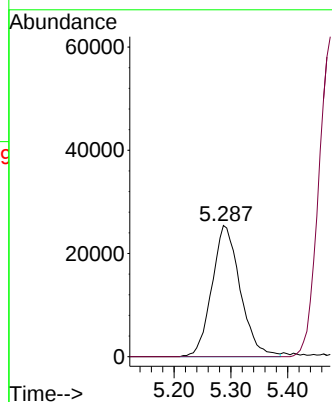
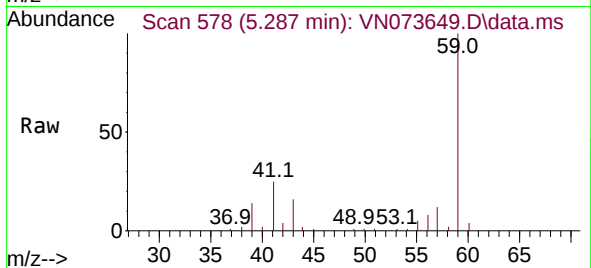




#23  
tert-Butyl Alcohol  
Concen: 103.084 ug/l  
RT: 5.287 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

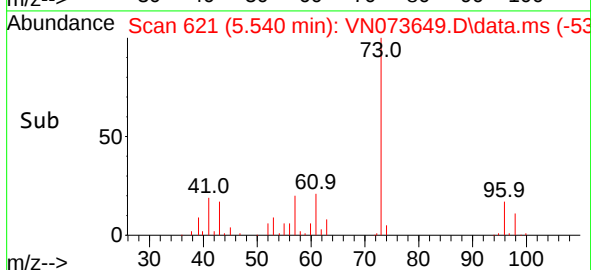
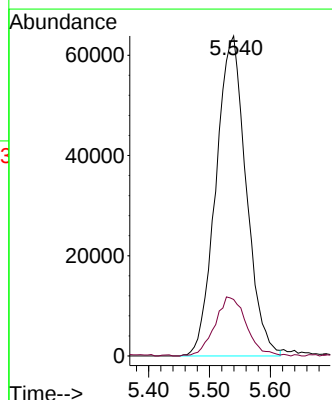
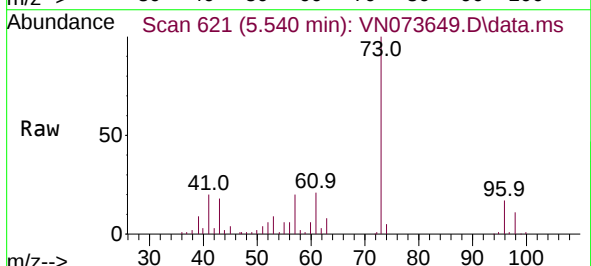
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

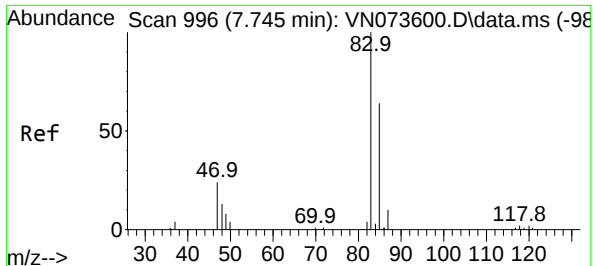
Tgt Ion: 59 Resp: 87818  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 20.347 ug/l  
RT: 5.540 min Scan# 621  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 73 Resp: 220368  
Ion Ratio Lower Upper  
73 100  
43 18.1 18.1 27.1

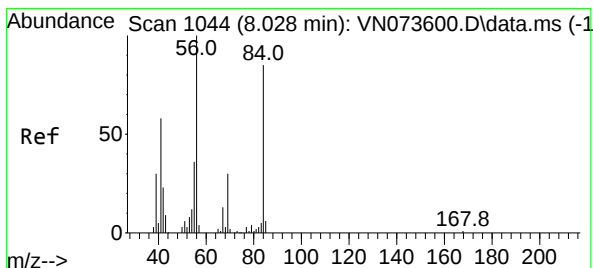
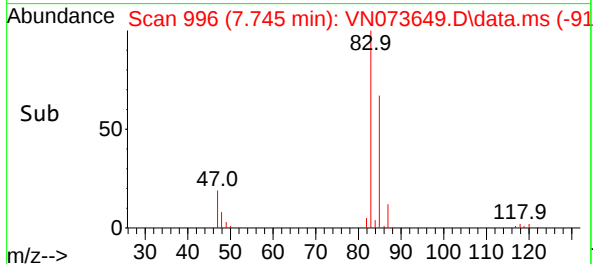
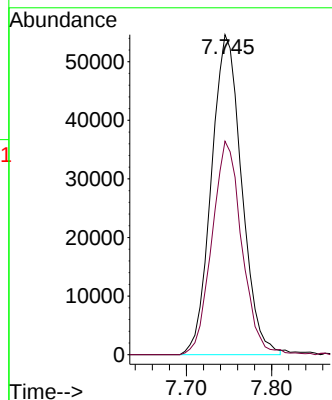
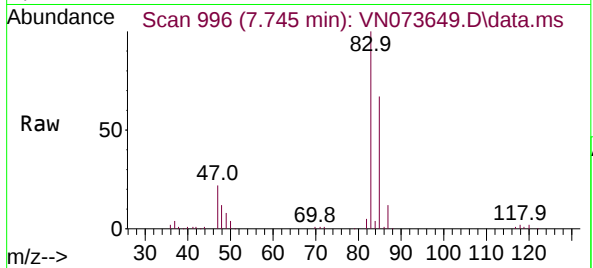




#25  
Chloroform  
Concen: 19.868 ug/l  
RT: 7.745 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

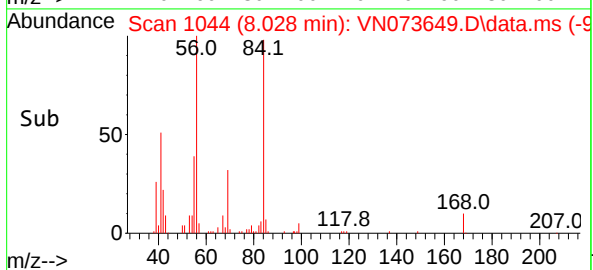
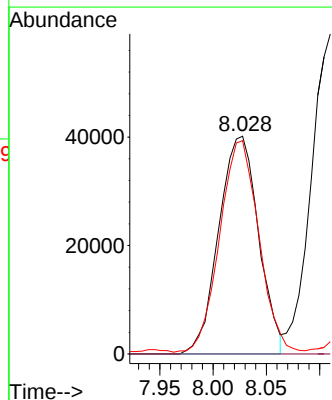
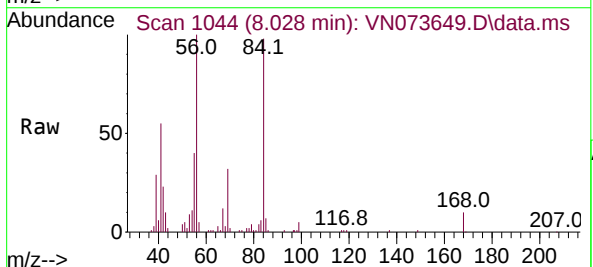
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

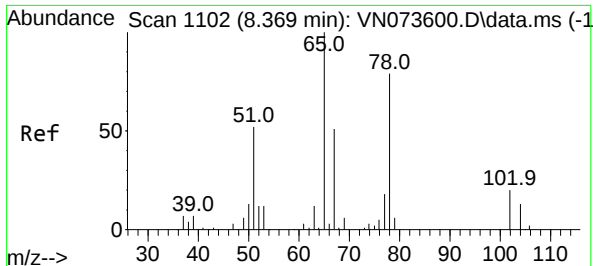
Tgt Ion: 83 Resp: 134946  
Ion Ratio Lower Upper  
83 100  
85 66.7 51.3 76.9



#26  
Cyclohexane  
Concen: 18.367 ug/l  
RT: 8.028 min Scan# 1044  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 56 Resp: 104249  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.1 0.1#  
84 97.5 74.6 111.8

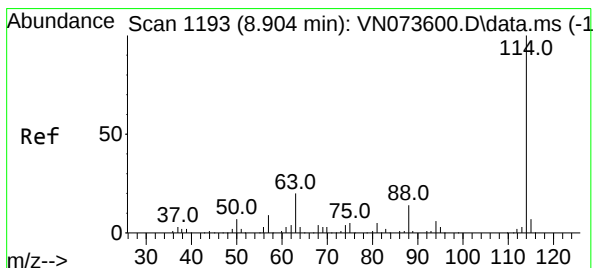
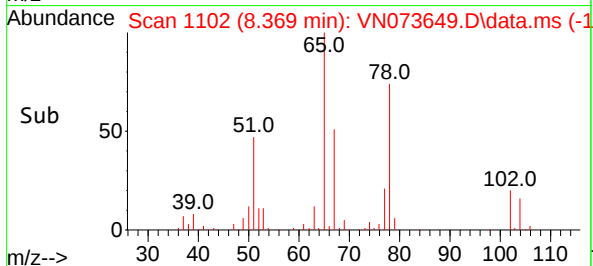
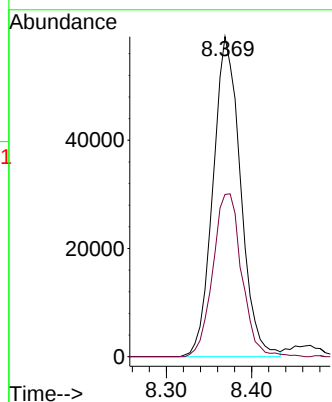
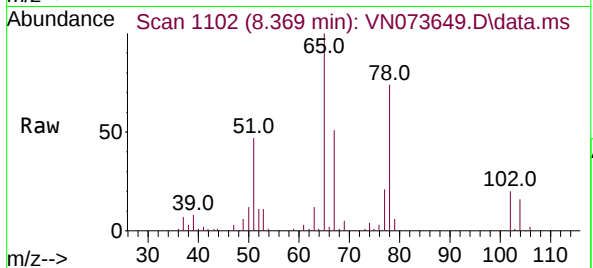




#27  
1,2-Dichloroethane-d4  
Concen: 31.221 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

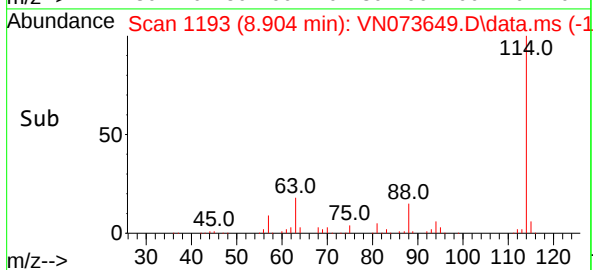
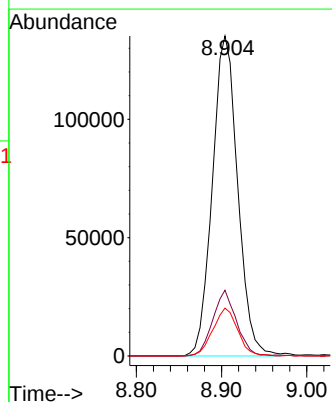
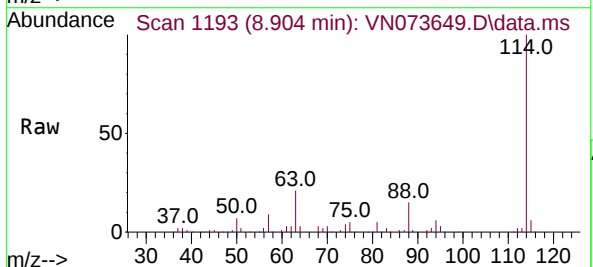
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

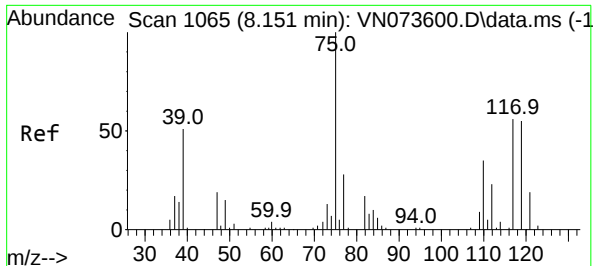
Tgt Ion: 65 Resp: 132511  
Ion Ratio Lower Upper  
65 100  
67 52.9 40.2 60.2



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 8.904 min Scan# 1193  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 114 Resp: 278980  
Ion Ratio Lower Upper  
114 100  
63 19.2 15.8 23.6  
88 14.5 11.6 17.4

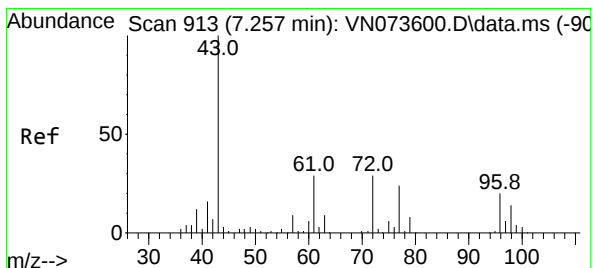
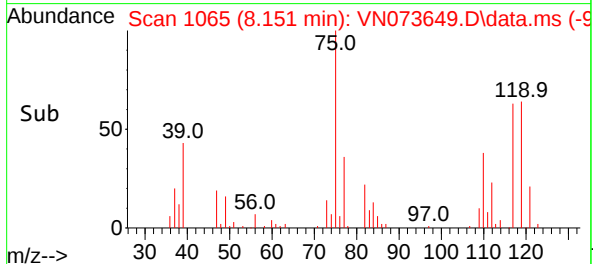
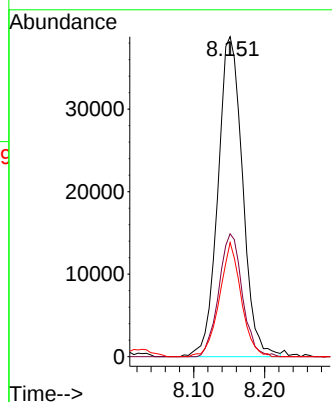
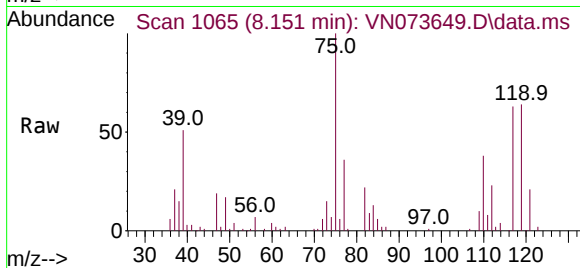




#29  
1,1-Dichloropropene  
Concen: 17.914 ug/l  
RT: 8.151 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

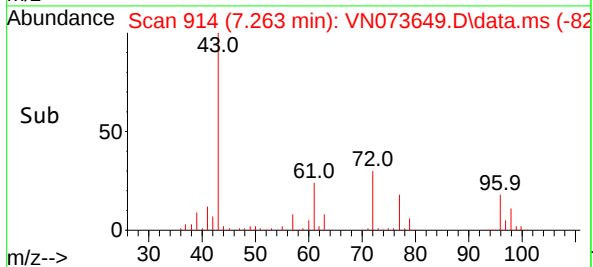
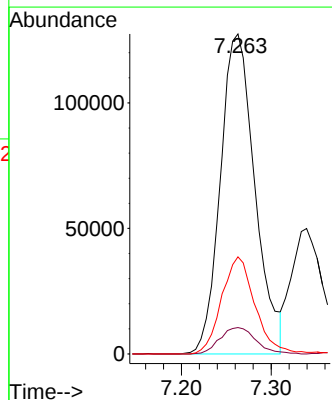
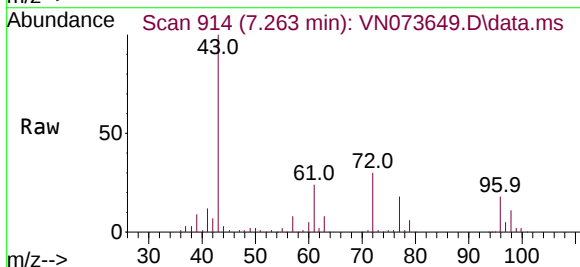
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

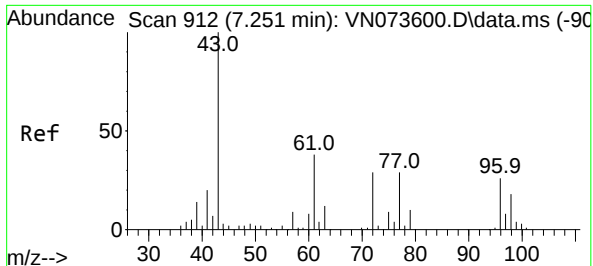
Tgt Ion: 75 Resp: 93382  
Ion Ratio Lower Upper  
75 100  
110 36.6 0.0 74.2  
77 31.2 0.0 63.2



#30  
2-Butanone  
Concen: 94.602 ug/l  
RT: 7.263 min Scan# 914  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 43 Resp: 340897  
Ion Ratio Lower Upper  
43 100  
57 8.6 6.7 10.1  
72 29.3 23.2 34.8





#31

2,2-Dichloropropane

Concen: 15.568 ug/l

RT: 7.251 min Scan# 912

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

Instrument :

MSVOA\_N

ClientSampleId :

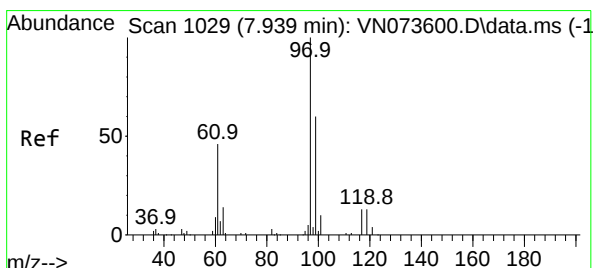
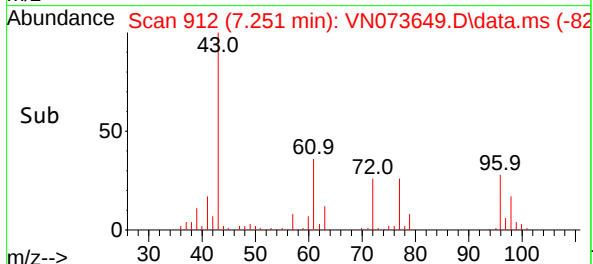
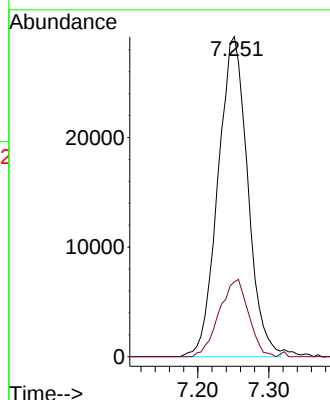
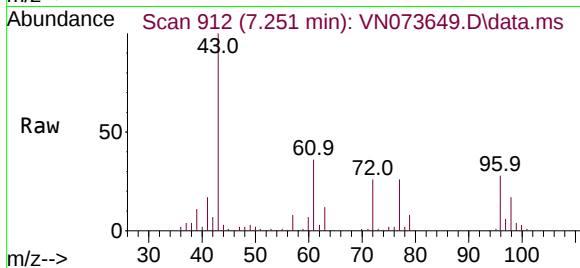
VSTDCCC020EC

Tgt Ion: 77 Resp: 84681

Ion Ratio Lower Upper

77 100

97 23.9 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 19.038 ug/l

RT: 7.939 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

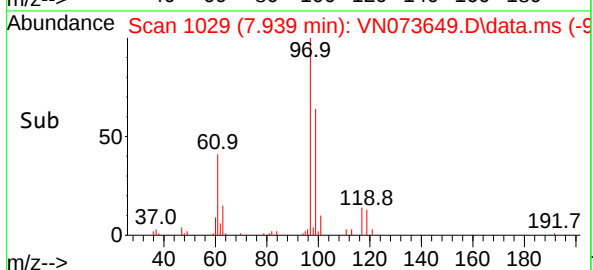
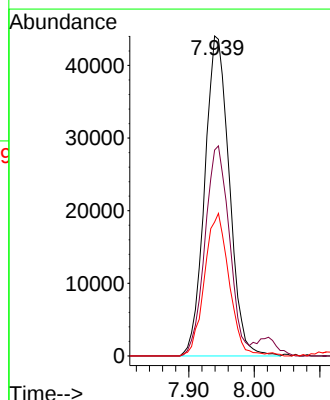
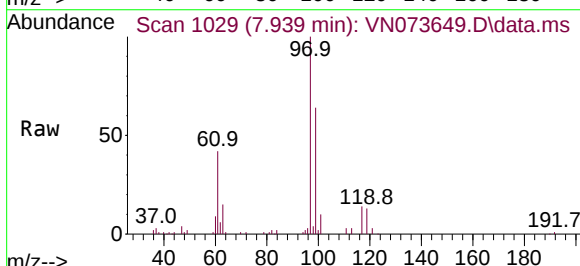
Tgt Ion: 97 Resp: 114862

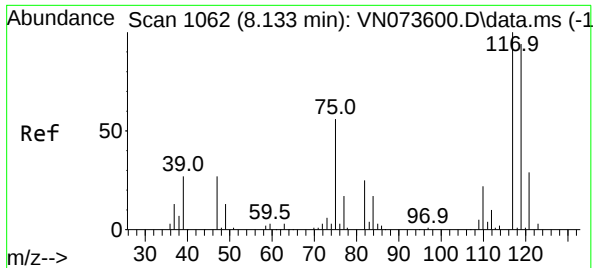
Ion Ratio Lower Upper

97 100

99 65.3 50.4 75.6

61 44.4 34.6 51.8

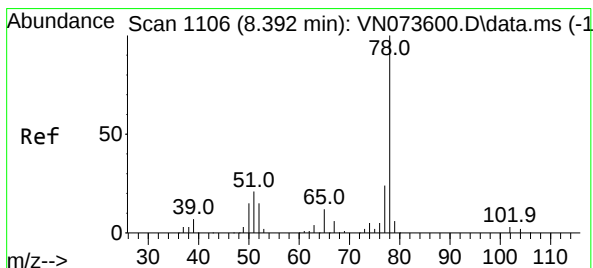
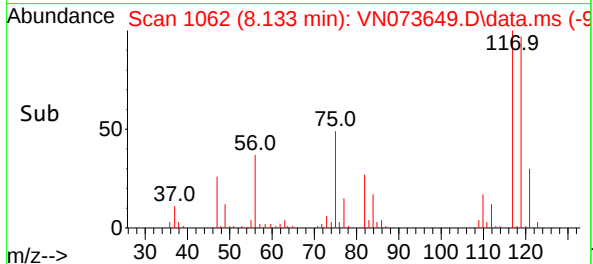
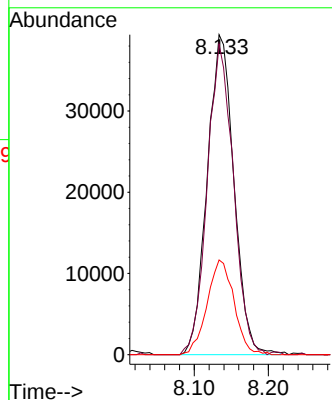
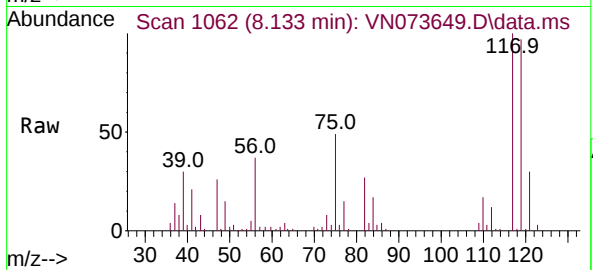




#33  
Carbon Tetrachloride  
Concen: 19.052 ug/l  
RT: 8.133 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

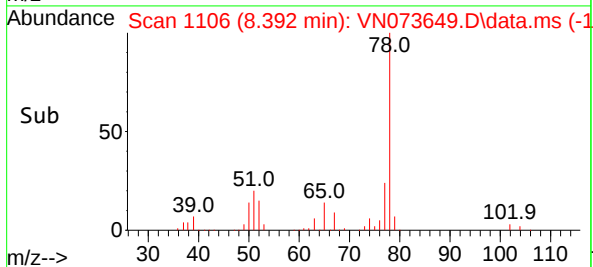
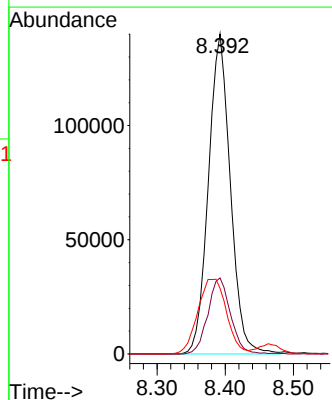
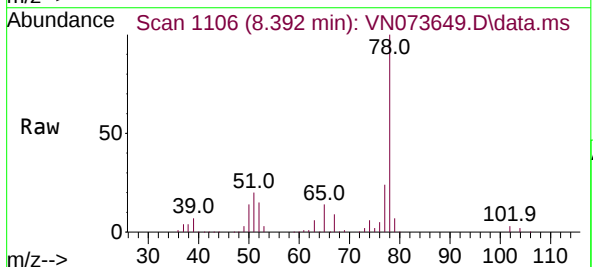
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

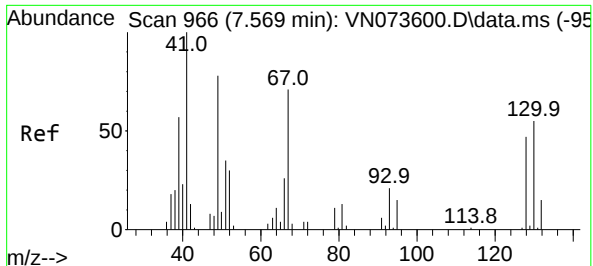
Tgt Ion:117 Resp: 98568  
Ion Ratio Lower Upper  
117 100  
119 97.1 77.5 116.3  
121 29.6 23.5 35.3



#34  
Benzene  
Concen: 18.595 ug/l  
RT: 8.392 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 78 Resp: 313668  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.1 28.7  
51 19.8 16.0 24.0



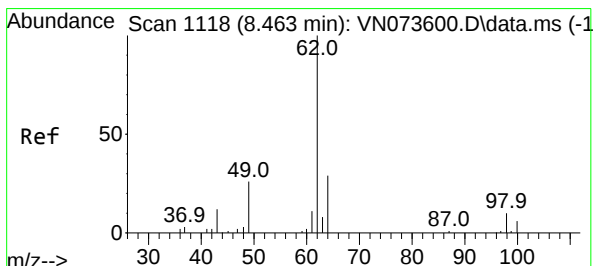
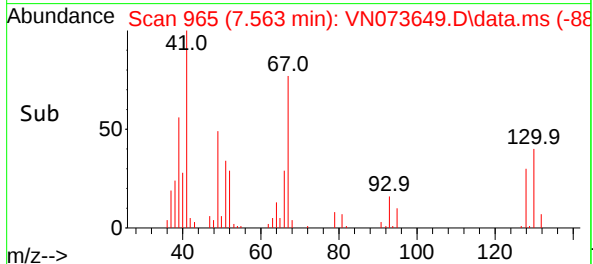
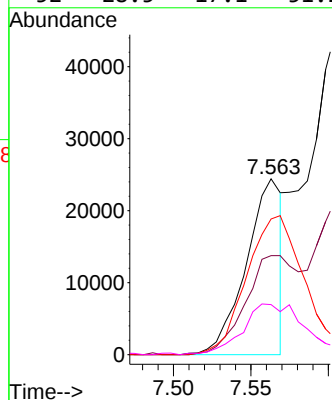
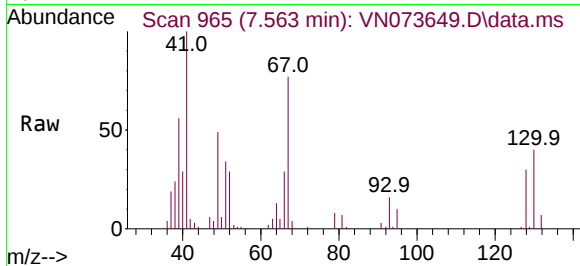


#35  
Methacrylonitrile  
Concen: 13.406 ug/l  
RT: 7.563 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 41 Resp: 39213

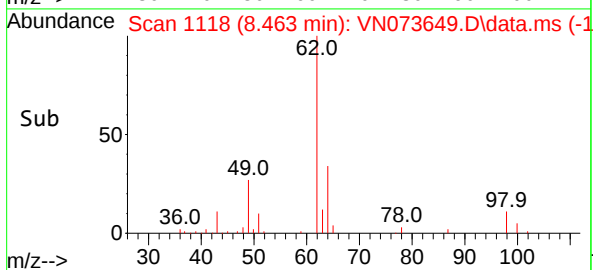
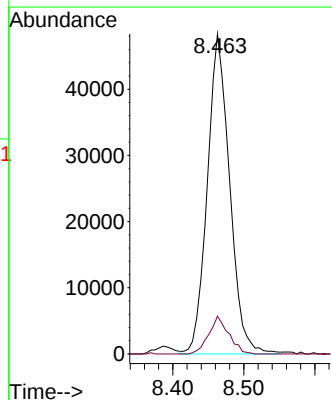
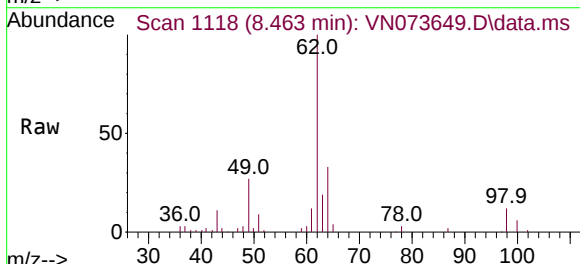
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 56.3  | 28.0  | 83.9  |
| 67  | 77.2  | 37.7  | 113.1 |
| 52  | 28.5  | 17.1  | 51.2  |

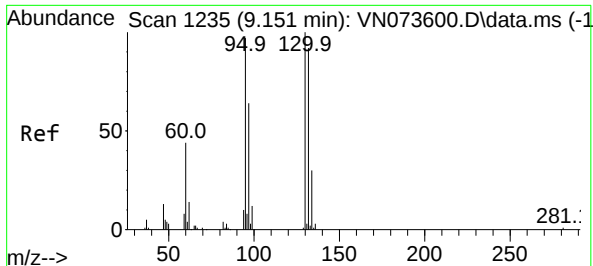


#36  
1,2-Dichloroethane  
Concen: 19.013 ug/l  
RT: 8.463 min Scan# 1118  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 62 Resp: 105758

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.5  | 6.6   | 10.0# |





#37

Trichloroethene

Concen: 18.341 ug/l

RT: 9.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

Instrument :

MSVOA\_N

ClientSampleId :

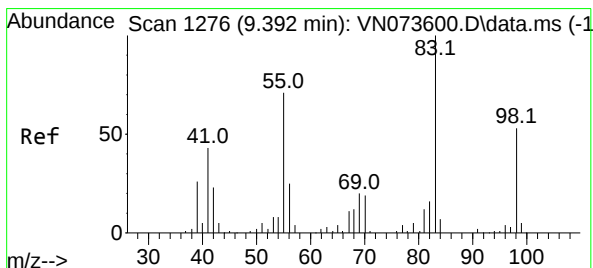
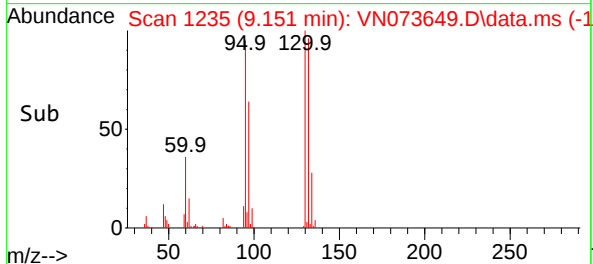
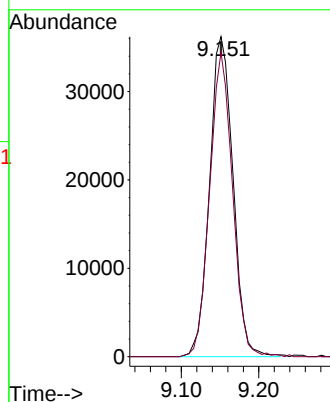
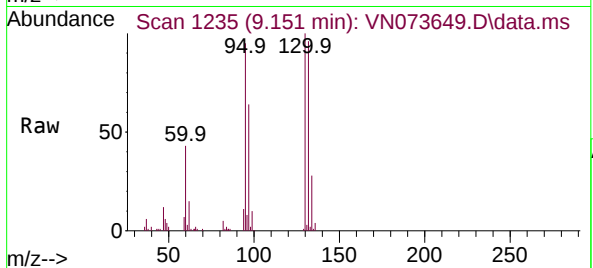
VSTDCCC020EC

Tgt Ion:130 Resp: 76114

Ion Ratio Lower Upper

130 100

95 95.1 76.6 115.0



#38

Methylcyclohexane

Concen: 17.521 ug/l

RT: 9.398 min Scan# 1277

Delta R.T. 0.006 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

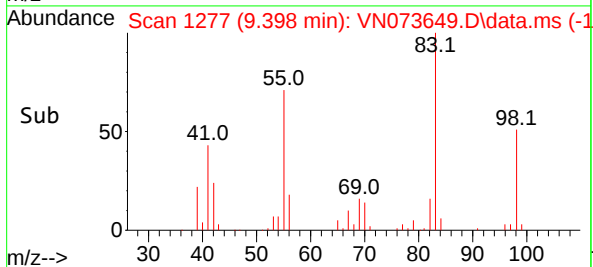
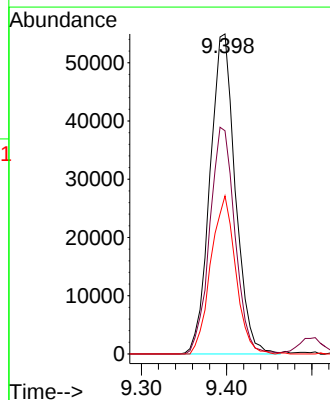
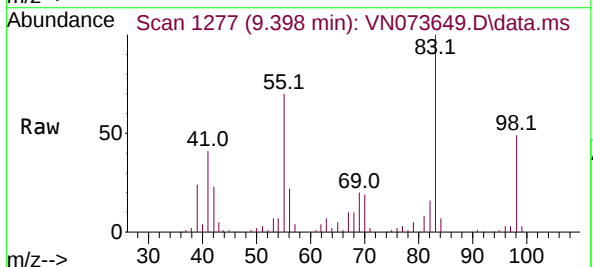
Tgt Ion: 83 Resp: 113380

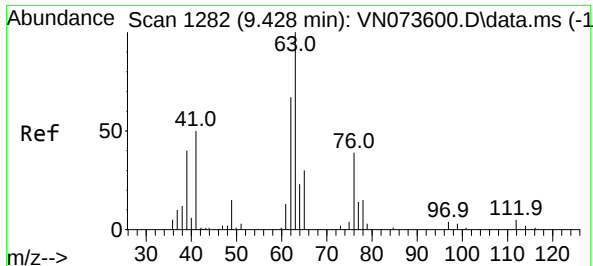
Ion Ratio Lower Upper

83 100

55 70.6 35.1 105.3

98 48.3 23.4 70.2





#39

1,2-Dichloropropane

Concen: 17.862 ug/l

RT: 9.428 min Scan# 1282

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

Instrument :

MSVOA\_N

ClientSampleId :

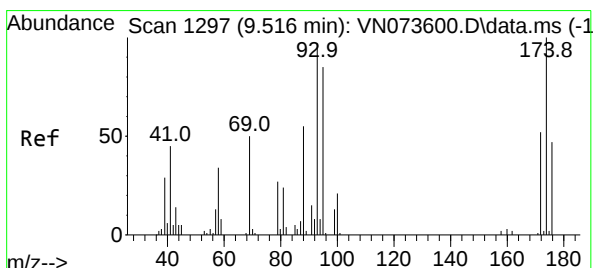
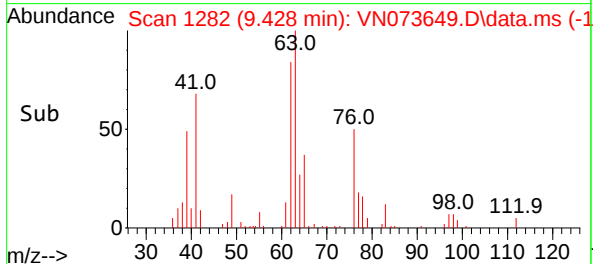
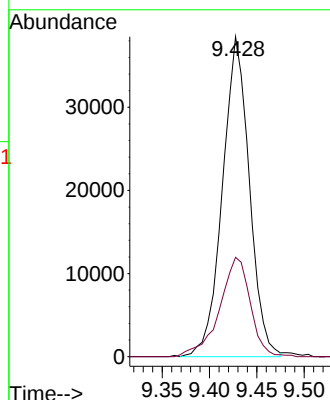
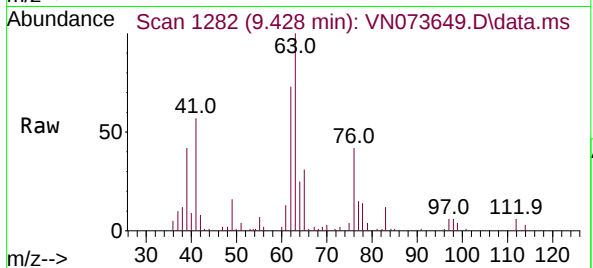
VSTDCCC020EC

Tgt Ion: 63 Resp: 76013

Ion Ratio Lower Upper

63 100

65 30.5 24.2 36.4



#40

Dibromomethane

Concen: 19.241 ug/l

RT: 9.510 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

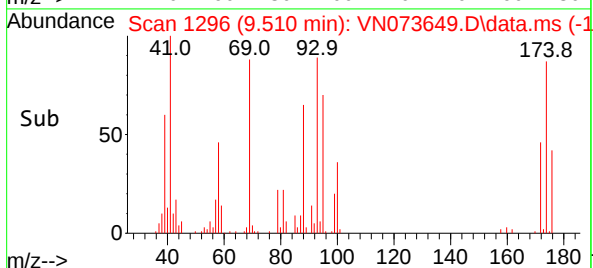
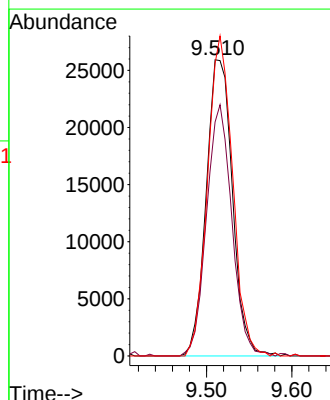
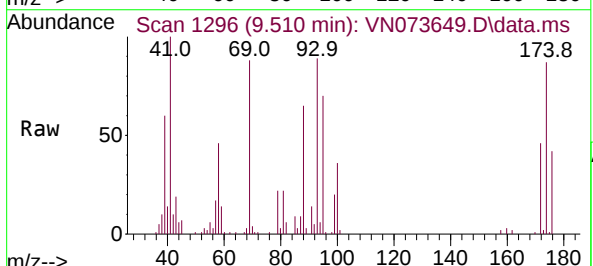
Tgt Ion: 93 Resp: 55562

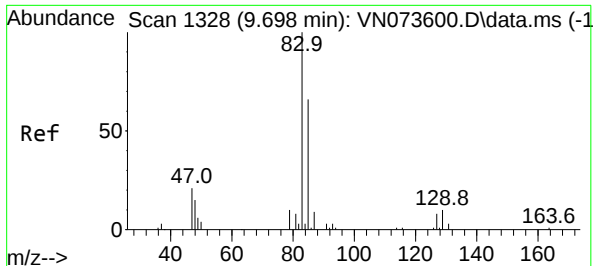
Ion Ratio Lower Upper

93 100

95 81.3 0.0 168.8

174 103.0 0.0 173.6

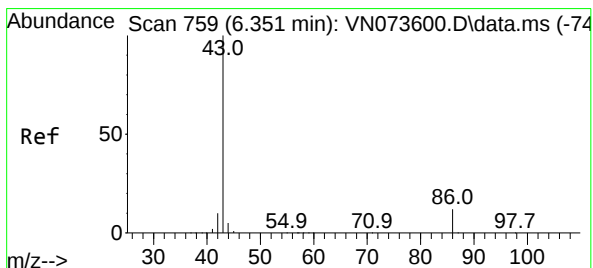
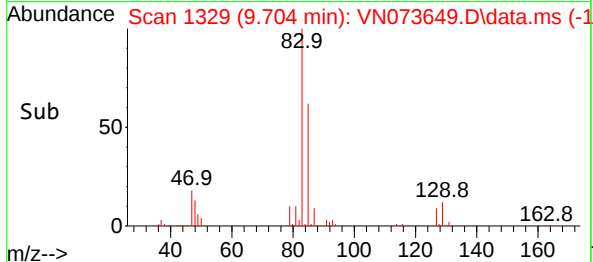
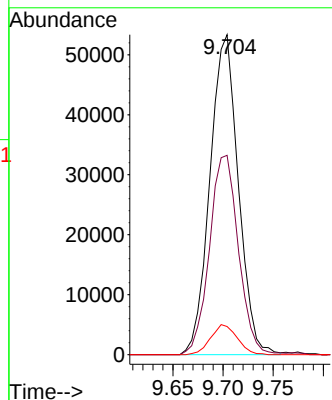
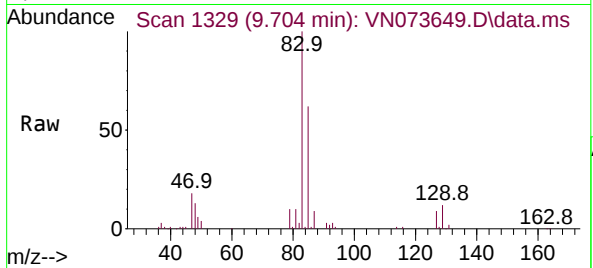




#41  
Bromodichloromethane  
Concen: 18.589 ug/l  
RT: 9.704 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

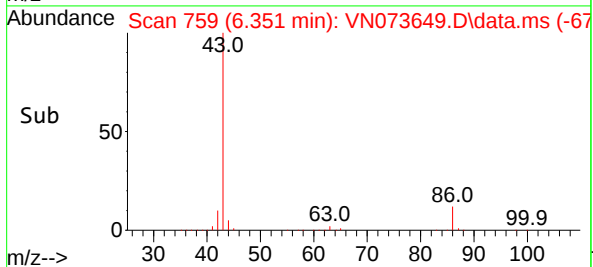
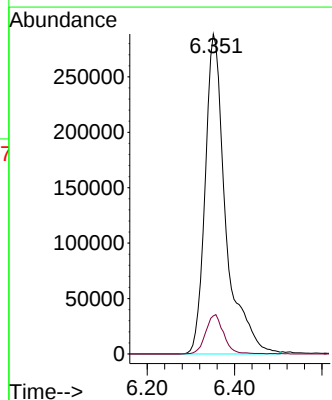
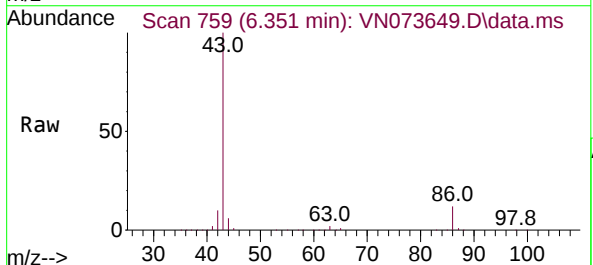
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

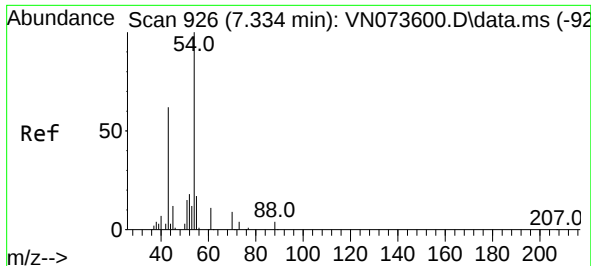
Tgt Ion: 83 Resp: 105077  
Ion Ratio Lower Upper  
83 100  
85 62.3 54.1 81.1  
127 9.8 7.6 11.4



#42  
Vinyl Acetate  
Concen: 90.963 ug/l  
RT: 6.351 min Scan# 759  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 43 Resp: 944520  
Ion Ratio Lower Upper  
43 100  
86 10.6 7.5 11.3

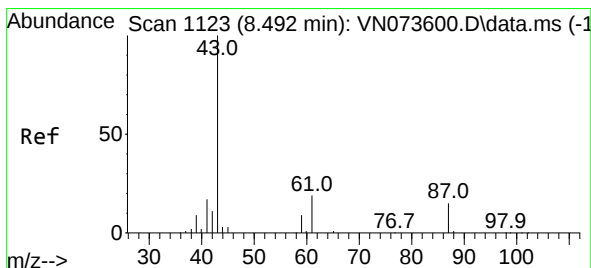
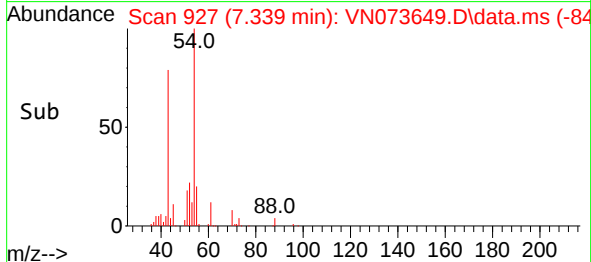
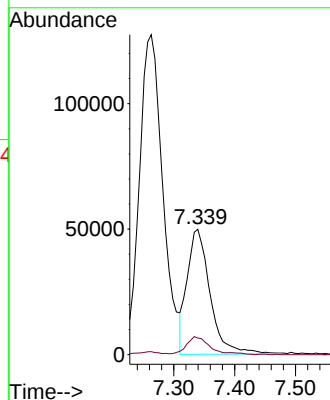
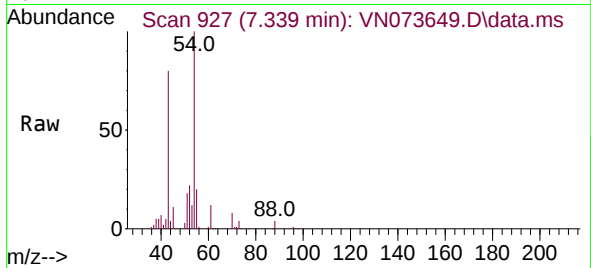




#43  
Ethyl Acetate  
Concen: 19.020 ug/l  
RT: 7.339 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

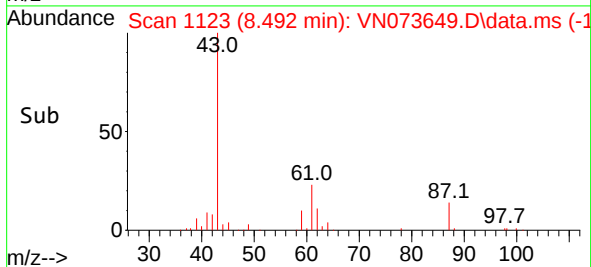
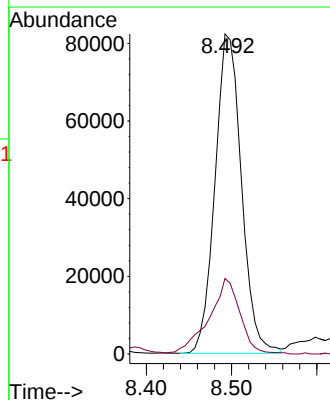
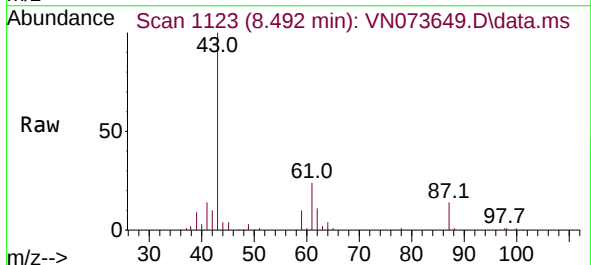
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

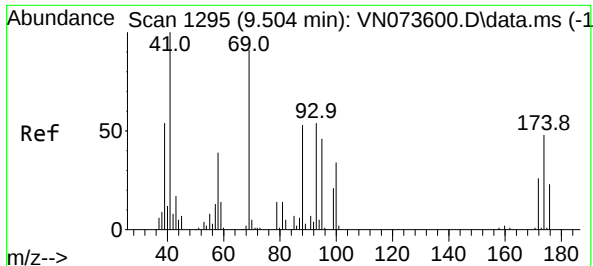
Tgt Ion: 43 Resp: 130110  
Ion Ratio Lower Upper  
43 100  
45 12.2 10.6 16.0



#44  
Isopropyl Acetate  
Concen: 18.645 ug/l  
RT: 8.492 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 43 Resp: 177373  
Ion Ratio Lower Upper  
43 100  
61 27.8 20.1 30.1





#45

1,4-Dioxane

Concen: 372.381 ug/l

RT: 9.504 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

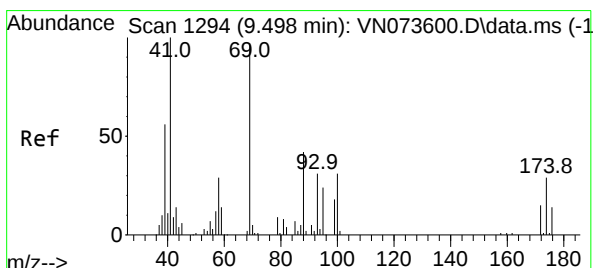
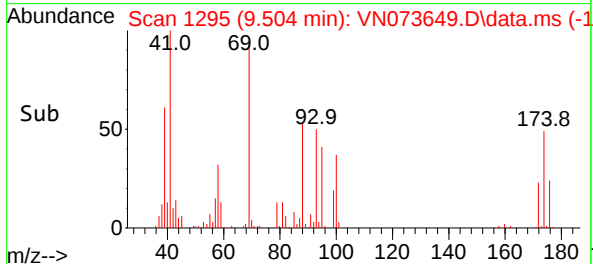
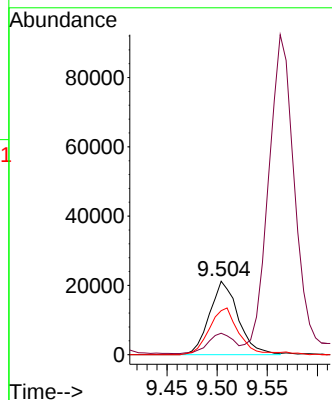
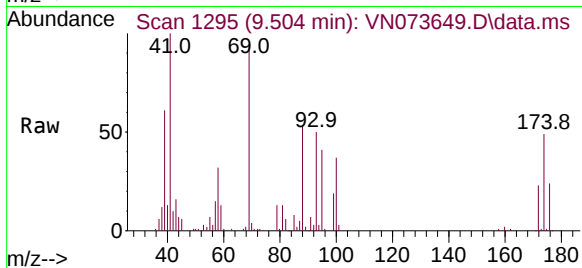
Tgt Ion: 88 Resp: 42240

Ion Ratio Lower Upper

88 100

43 24.5 25.0 37.6#

58 64.6 49.4 74.2



#46

Methyl methacrylate

Concen: 17.624 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

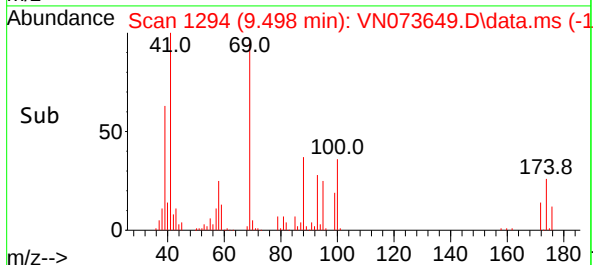
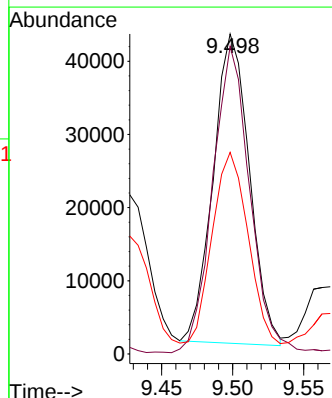
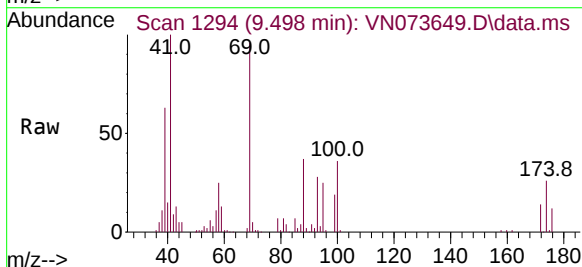
Tgt Ion: 41 Resp: 74975

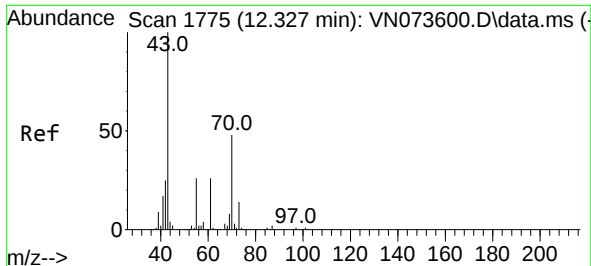
Ion Ratio Lower Upper

41 100

69 98.7 44.4 133.2

39 62.3 39.9 119.6

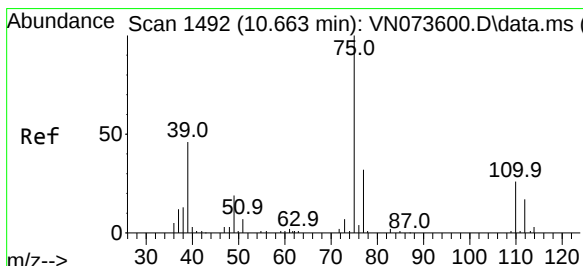
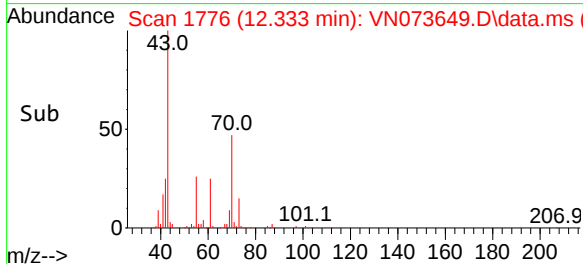
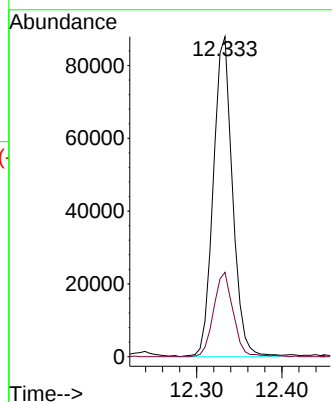
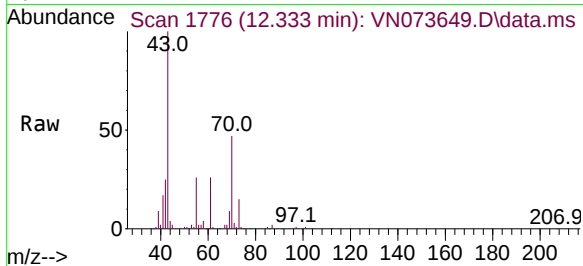




#47  
n-amy1 Acetate  
Concen: 18.153 ug/l  
RT: 12.333 min Scan# 1776  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

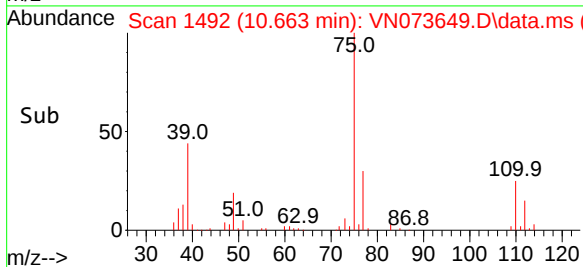
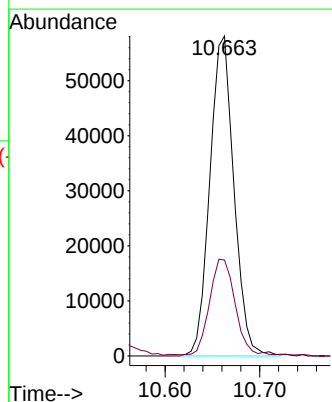
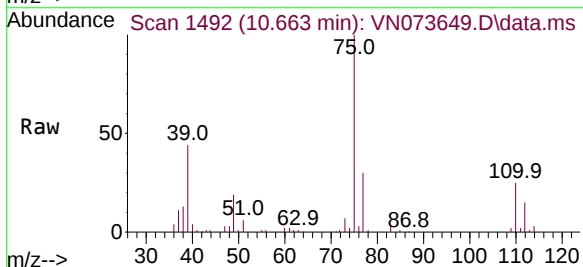
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

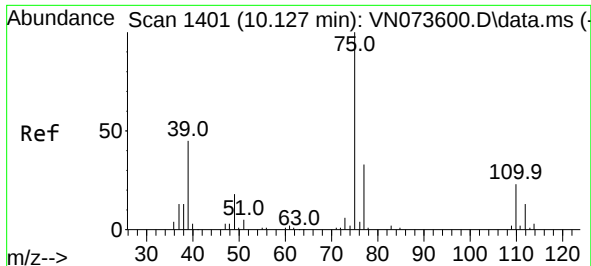
Tgt Ion: 43 Resp: 137676  
Ion Ratio Lower Upper  
43 100  
55 26.7 19.0 28.6



#48  
t-1,3-Dichloropropene  
Concen: 17.683 ug/l  
RT: 10.663 min Scan# 1492  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 75 Resp: 102903  
Ion Ratio Lower Upper  
75 100  
77 29.6 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 17.945 ug/l

RT: 10.127 min Scan# 1401

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

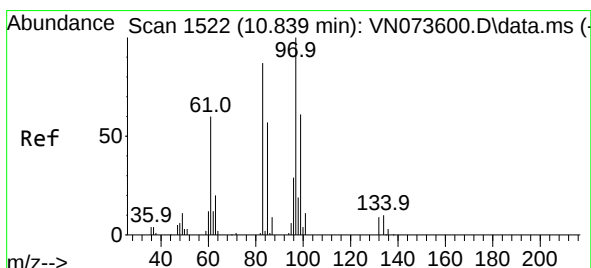
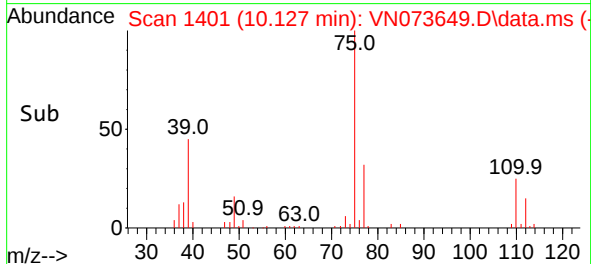
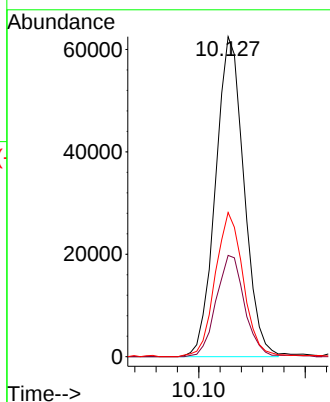
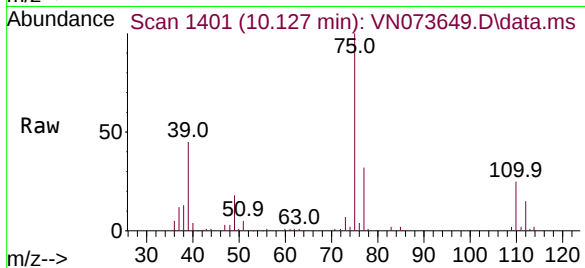
Tgt Ion: 75 Resp: 115950

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 45.0 46.2 69.4#



#50

1,1,2-Trichloroethane

Concen: 19.138 ug/l

RT: 10.839 min Scan# 1522

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

Tgt Ion: 97 Resp: 82908

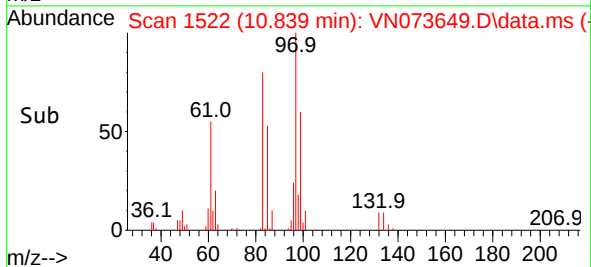
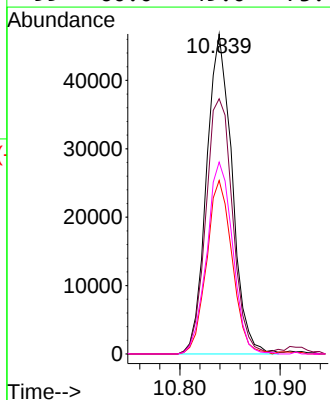
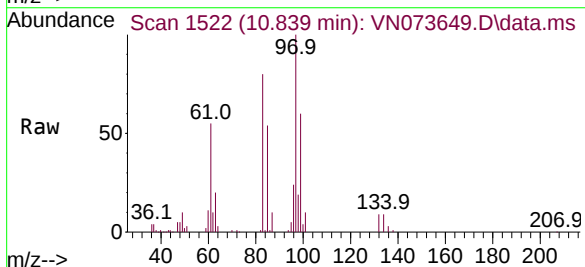
Ion Ratio Lower Upper

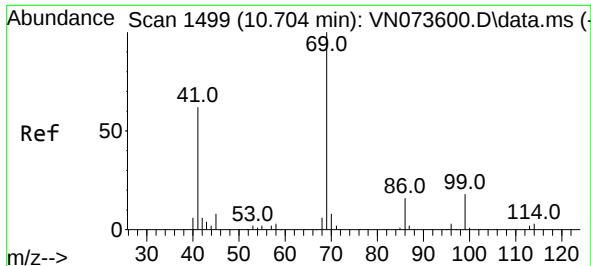
97 100

83 79.8 67.2 100.8

85 54.2 43.0 64.4

99 60.0 49.0 73.4

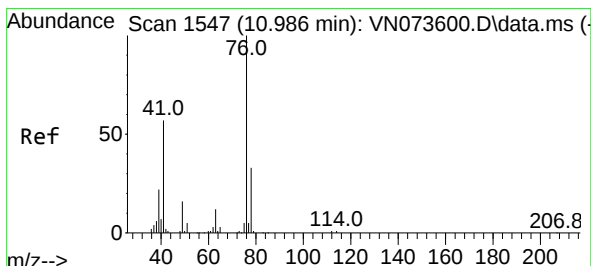
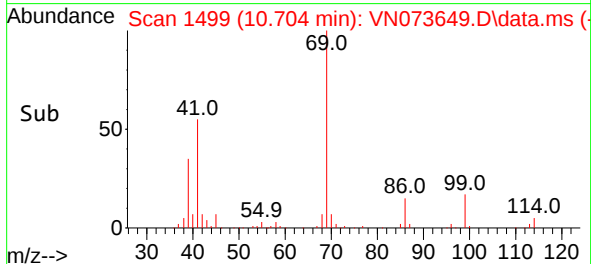
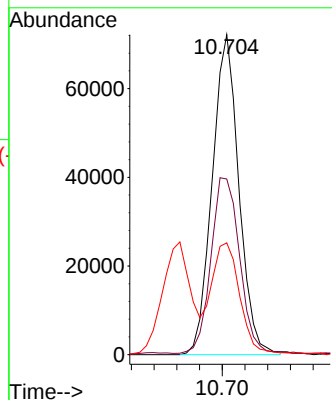
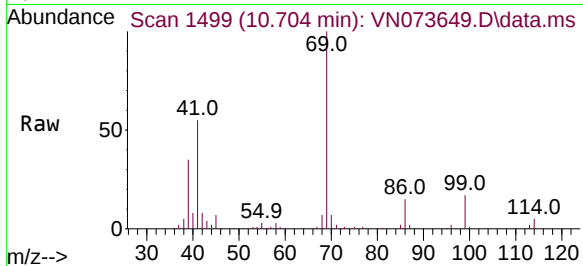




#51  
Ethyl methacrylate  
Concen: 18.050 ug/l  
RT: 10.704 min Scan# 1499  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

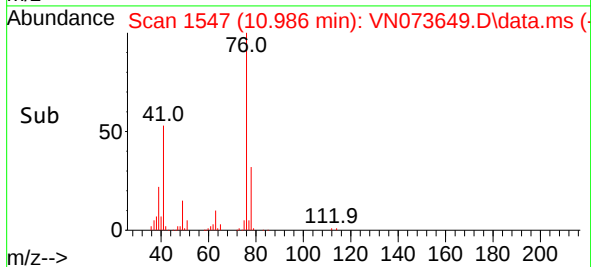
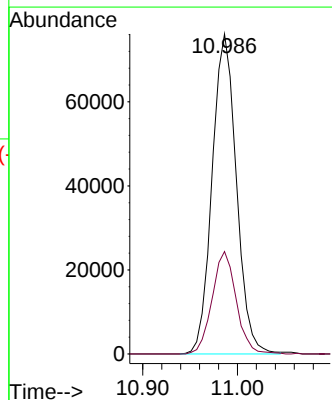
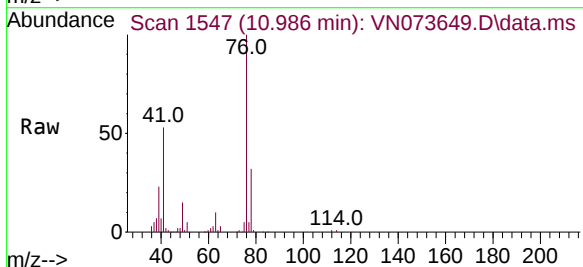
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

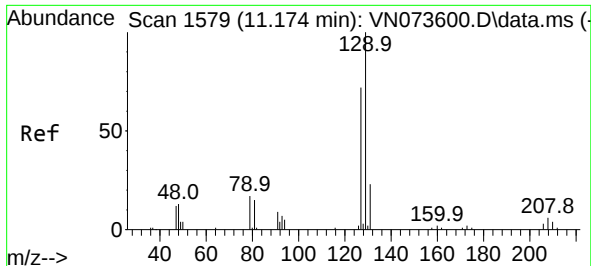
Tgt Ion: 69 Resp: 117562  
Ion Ratio Lower Upper  
69 100  
41 54.5 33.0 98.9  
39 34.4 25.4 76.4



#52  
1,3-Dichloropropane  
Concen: 18.556 ug/l  
RT: 10.986 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 76 Resp: 135496  
Ion Ratio Lower Upper  
76 100  
78 31.8 0.0 65.4

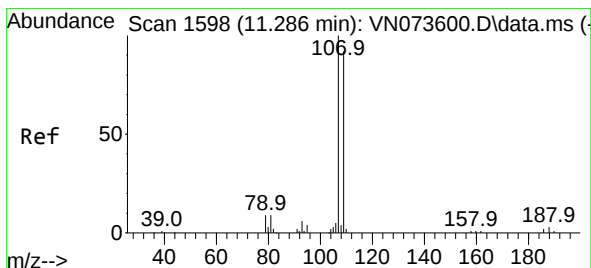
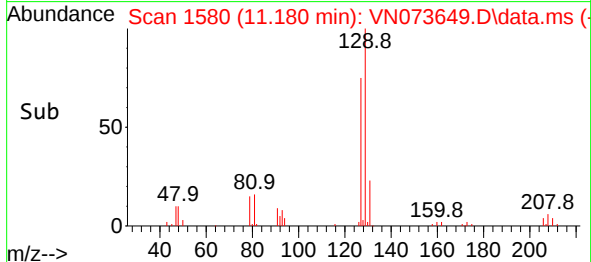
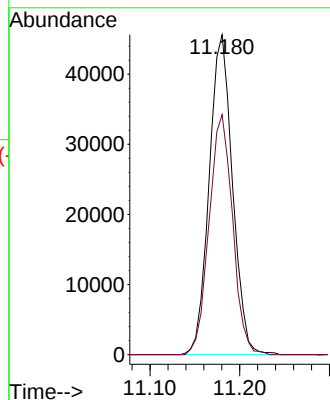
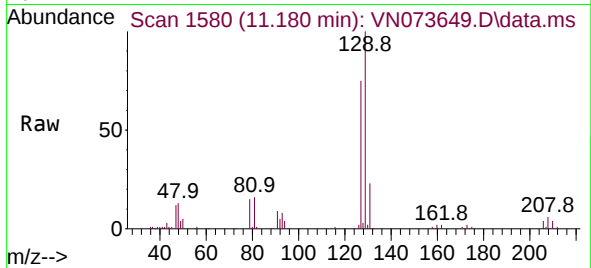




#53  
Dibromochloromethane  
Concen: 18.752 ug/l  
RT: 11.180 min Scan# 1579  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

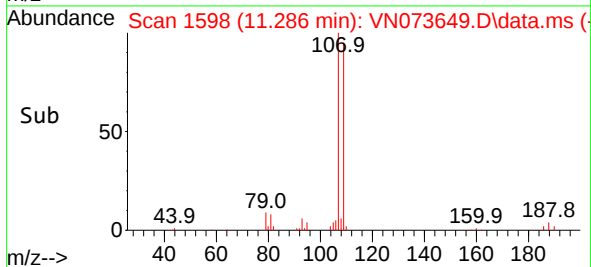
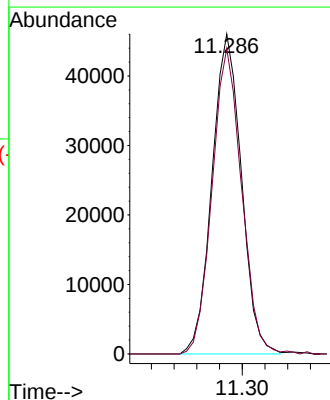
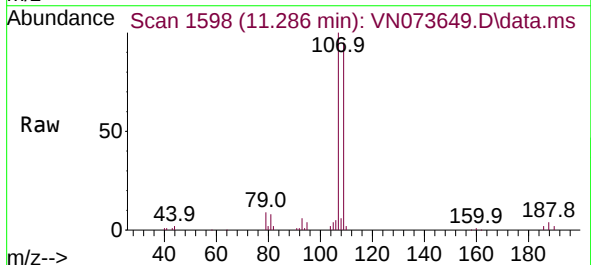
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

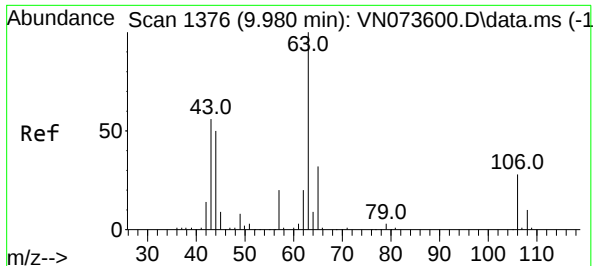
Tgt Ion:129 Resp: 82326  
Ion Ratio Lower Upper  
129 100  
127 75.6 39.0 117.0



#54  
1,2-Dibromoethane  
Concen: 18.714 ug/l  
RT: 11.286 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion:107 Resp: 82620  
Ion Ratio Lower Upper  
107 100  
109 95.3 72.8 109.2

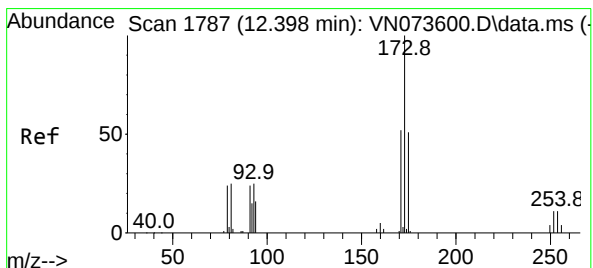
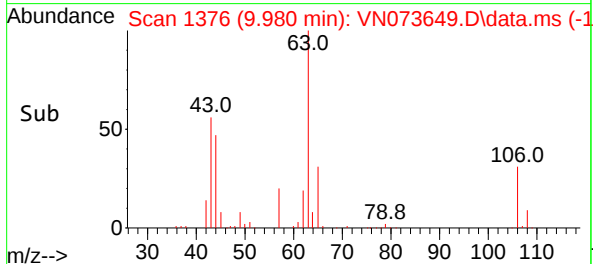
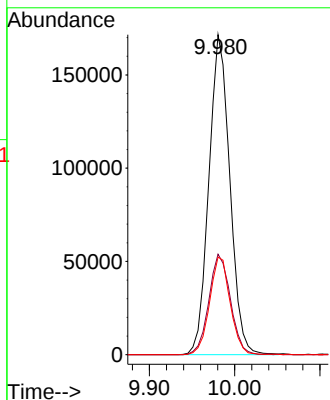
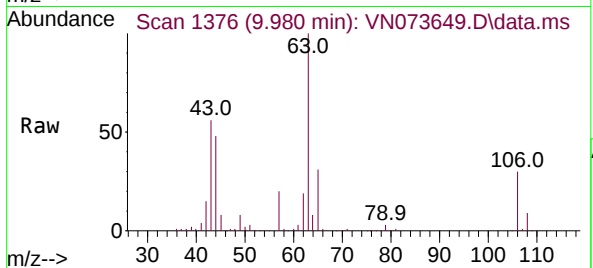




#55  
2-Chloroethyl vinyl ether  
Concen: 100.441 ug/l  
RT: 9.980 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

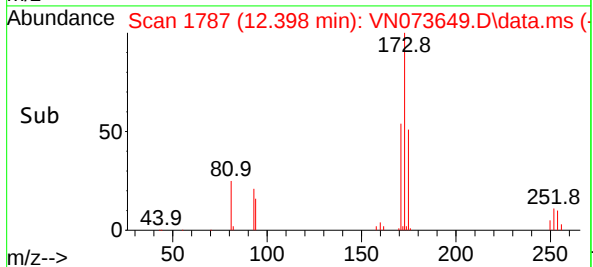
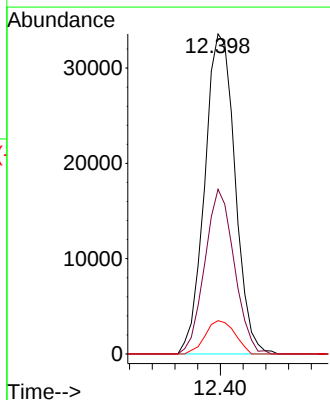
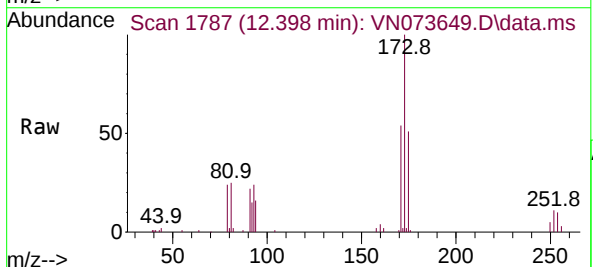
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

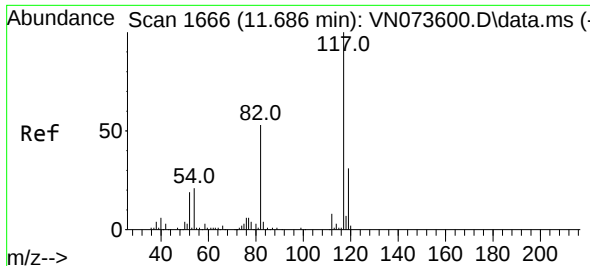
Tgt Ion: 63 Resp: 293407  
Ion Ratio Lower Upper  
63 100  
65 32.2 25.4 38.0  
106 30.0 23.2 34.8



#56  
Bromoform  
Concen: 18.032 ug/l  
RT: 12.398 min Scan# 1787  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 173 Resp: 62211  
Ion Ratio Lower Upper  
173 100  
175 50.0 38.6 58.0  
254 10.2 0.0 0.0#

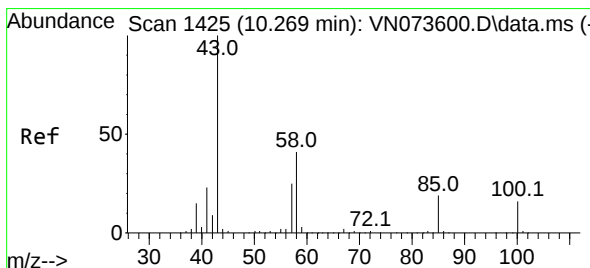
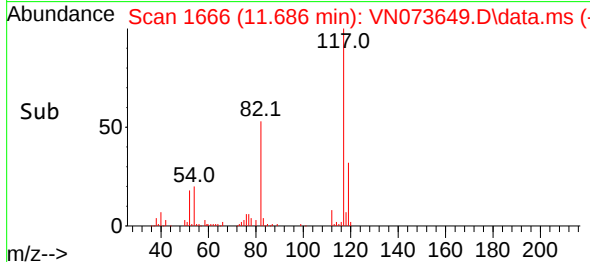
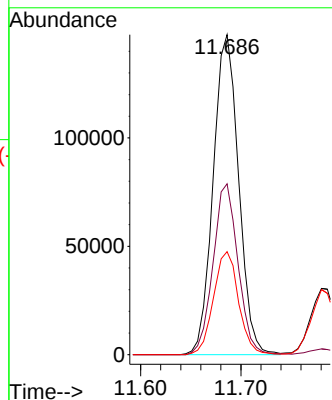
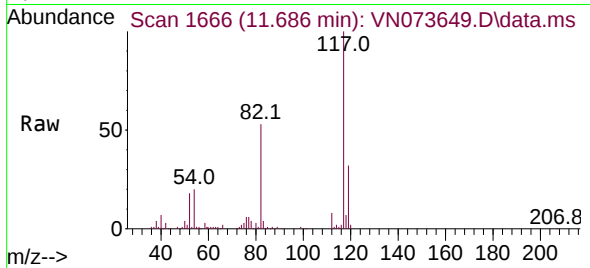




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

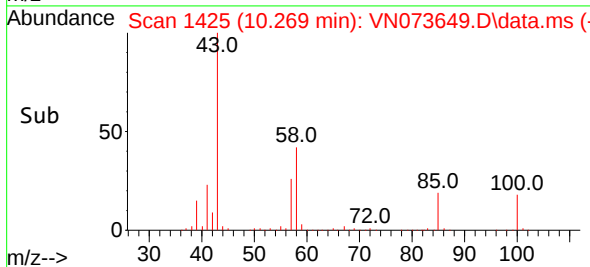
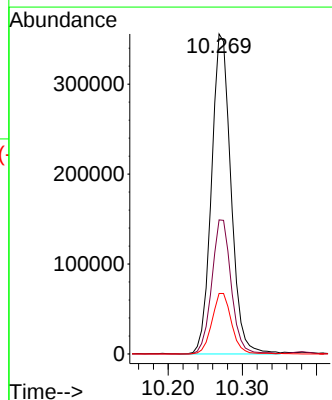
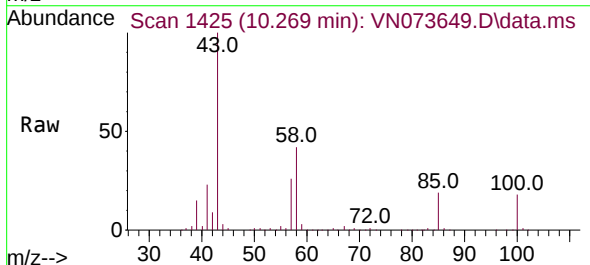
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

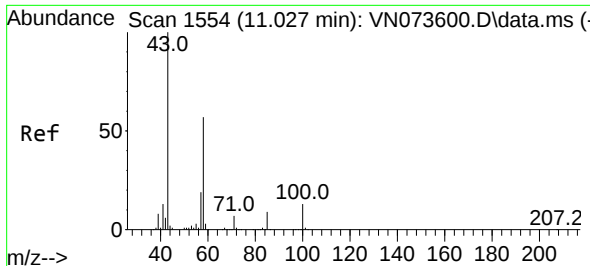
Tgt Ion:117 Resp: 260384  
Ion Ratio Lower Upper  
117 100  
82 52.4 43.6 65.4  
119 31.7 25.8 38.6



#58  
4-Methyl-2-Pentanone  
Concen: 96.485 ug/l  
RT: 10.269 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 43 Resp: 649615  
Ion Ratio Lower Upper  
43 100  
58 41.9 30.0 45.0  
85 18.8 15.0 22.6

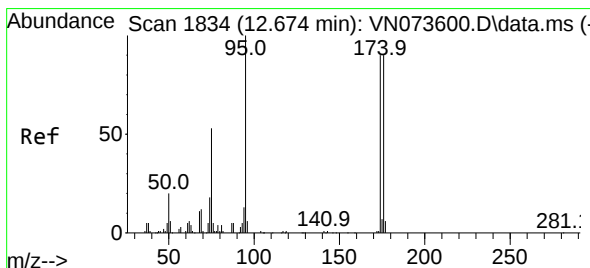
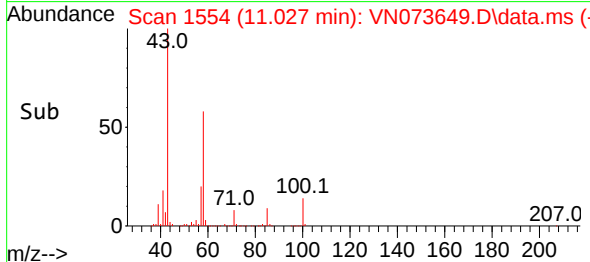
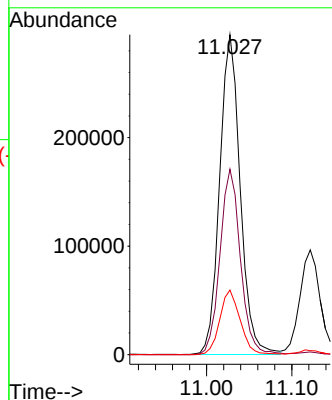
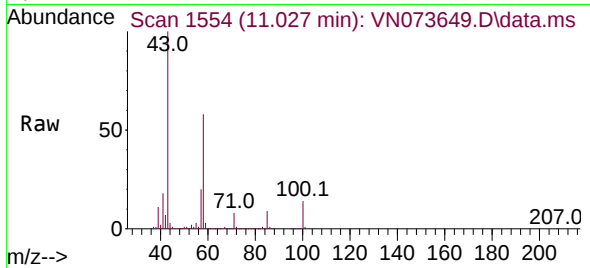




#59  
2-Hexanone  
Concen: 95.257 ug/l  
RT: 11.027 min Scan# 1154  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

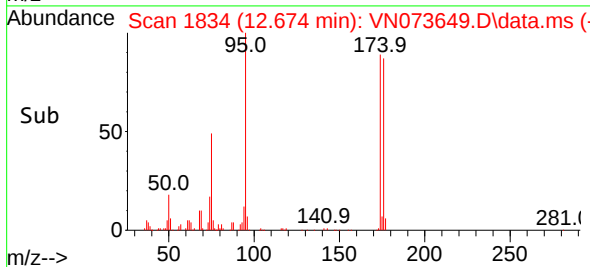
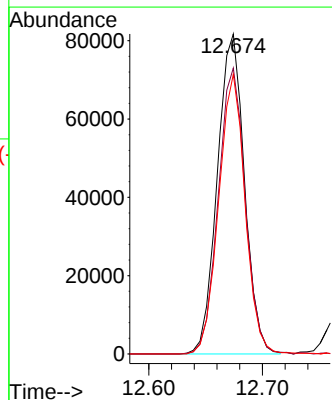
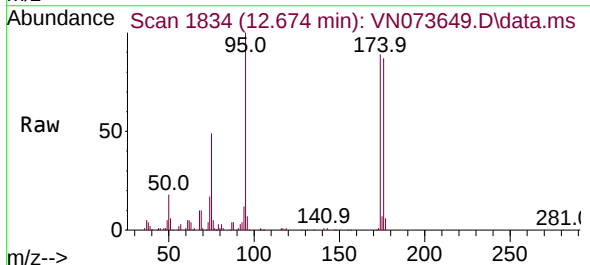
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

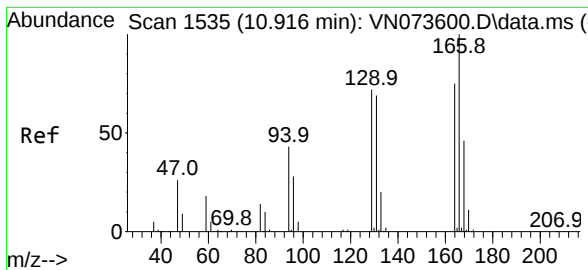
Tgt Ion: 43 Resp: 493990  
Ion Ratio Lower Upper  
43 100  
58 57.8 42.2 63.2  
57 20.2 15.0 22.4



#60  
4-Bromofluorobenzene  
Concen: 29.431 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 95 Resp: 135692  
Ion Ratio Lower Upper  
95 100  
174 88.7 62.9 94.3  
176 85.0 61.0 91.4

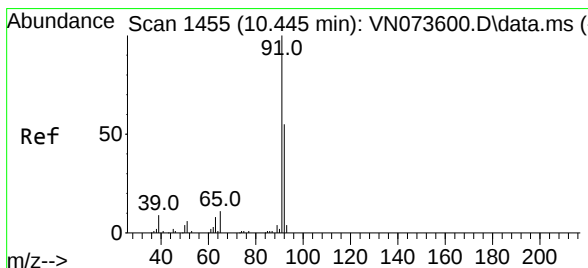
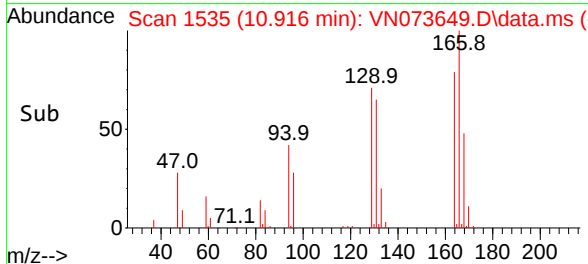
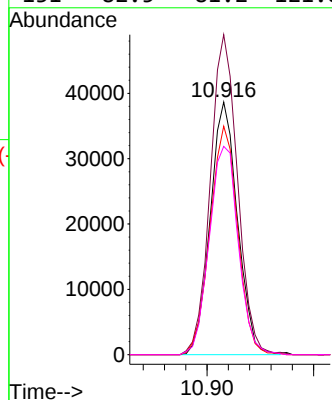
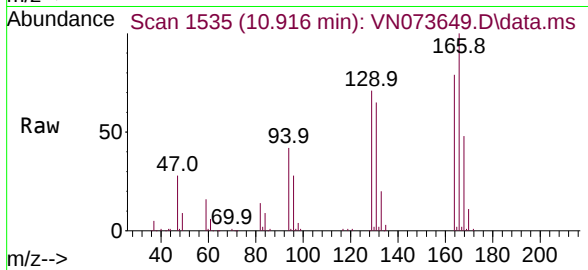




#61  
Tetrachloroethene  
Concen: 17.189 ug/l  
RT: 10.916 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

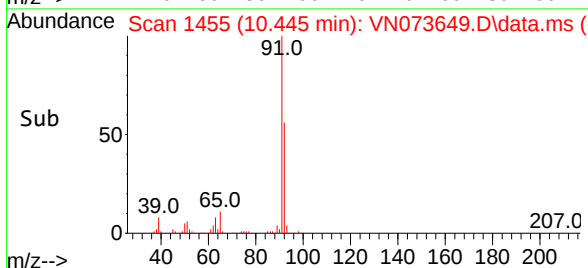
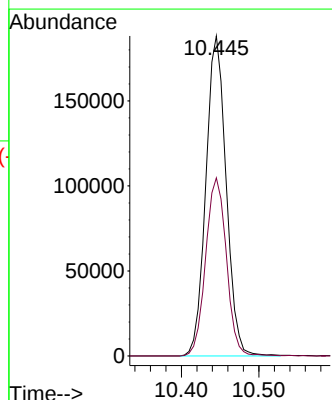
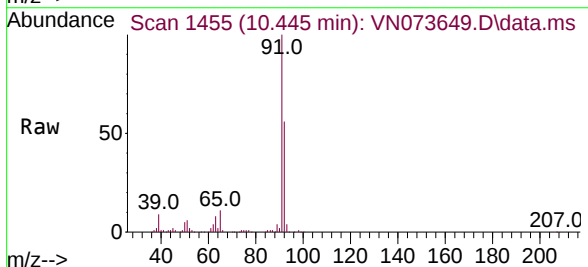
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

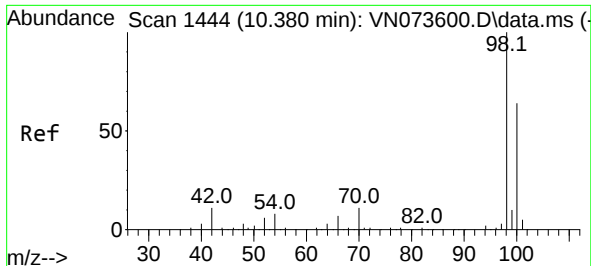
Tgt Ion:164 Resp: 68559  
Ion Ratio Lower Upper  
164 100  
166 126.7 105.8 158.8  
129 90.4 82.5 123.7  
131 82.5 81.2 121.8



#62  
Toluene  
Concen: 18.895 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 91 Resp: 342139  
Ion Ratio Lower Upper  
91 100  
92 56.8 44.6 67.0

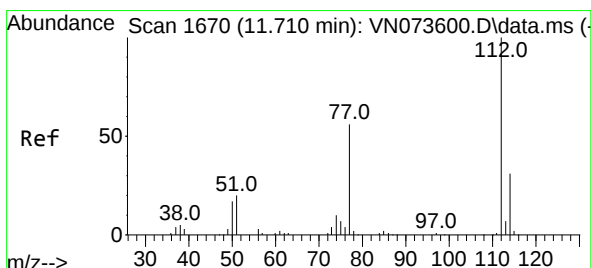
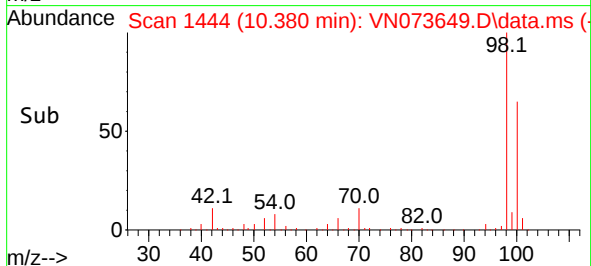
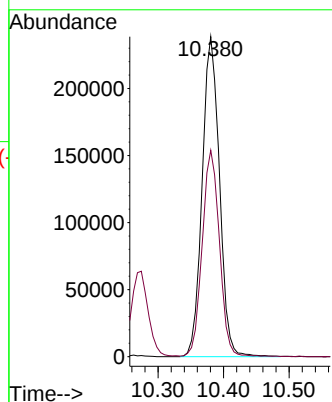
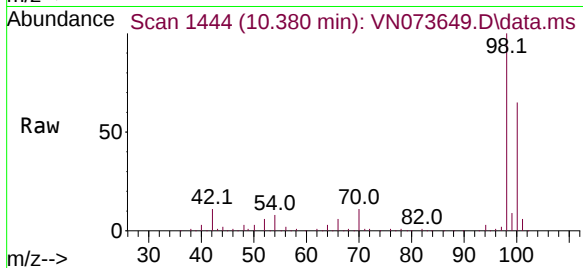




#63  
Toluene-d8  
Concen: 29.916 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

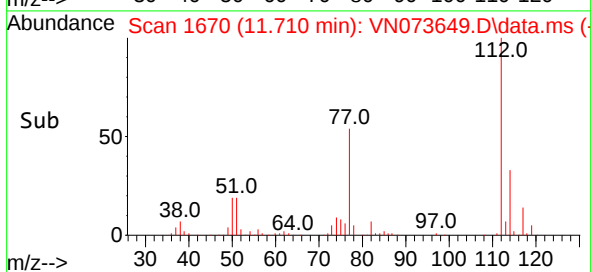
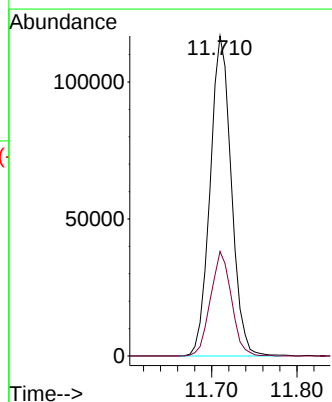
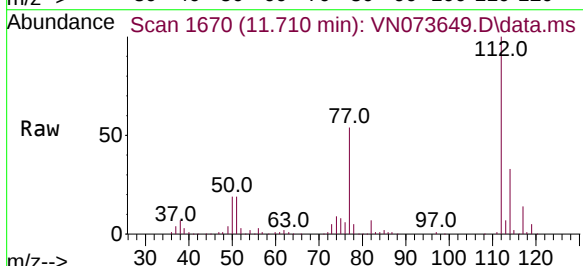
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

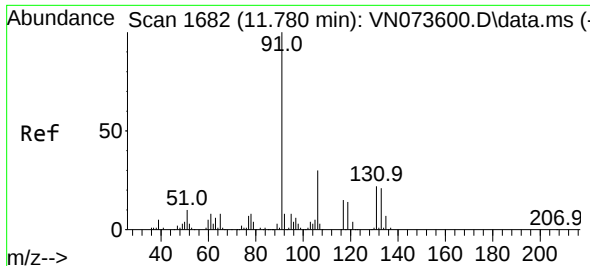
Tgt Ion: 98 Resp: 438615  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.6 76.0



#64  
Chlorobenzene  
Concen: 18.649 ug/l  
RT: 11.710 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 112 Resp: 201755  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.8 38.6

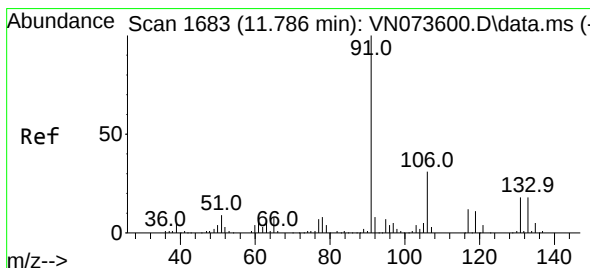
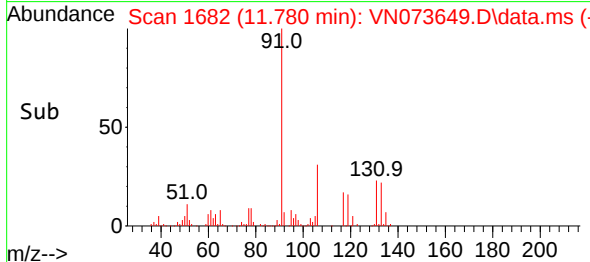
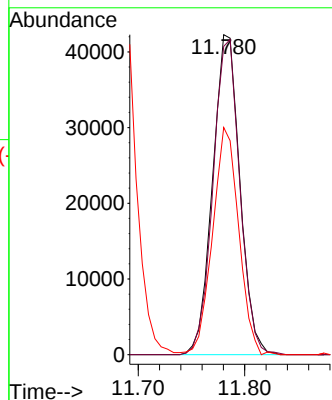
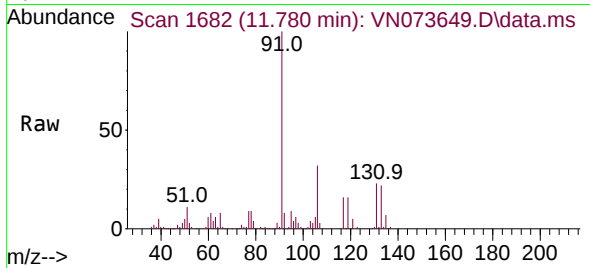




#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.689 ug/l  
RT: 11.780 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

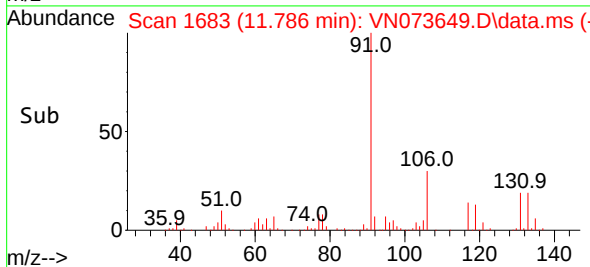
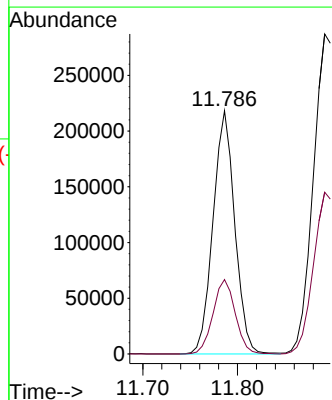
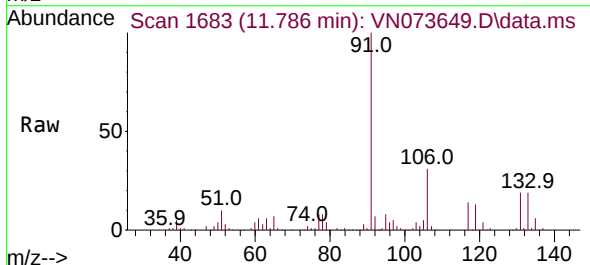
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

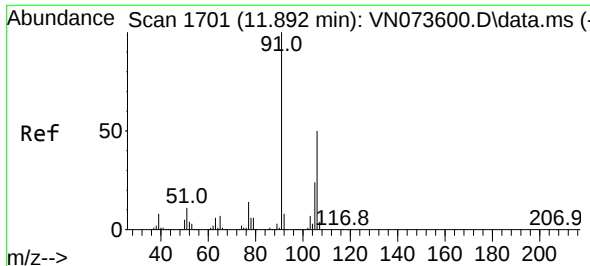
Tgt Ion:131 Resp: 75054  
Ion Ratio Lower Upper  
131 100  
133 97.0 0.0 191.2  
119 67.8 0.0 128.8



#66  
Ethyl Benzene  
Concen: 17.987 ug/l  
RT: 11.786 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 91 Resp: 348197  
Ion Ratio Lower Upper  
91 100  
106 30.6 24.0 36.0

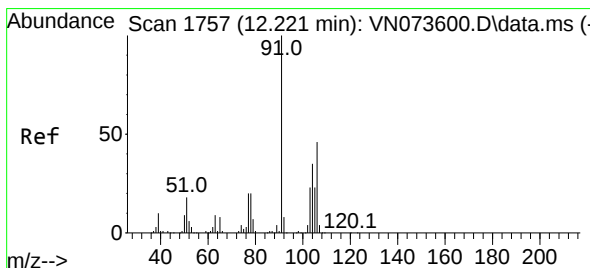
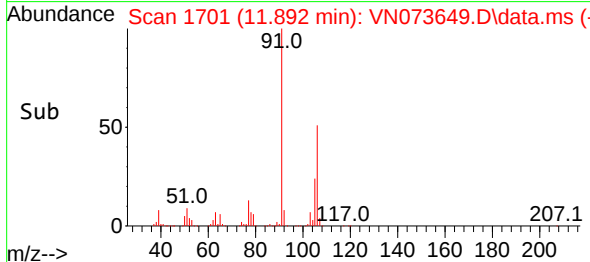
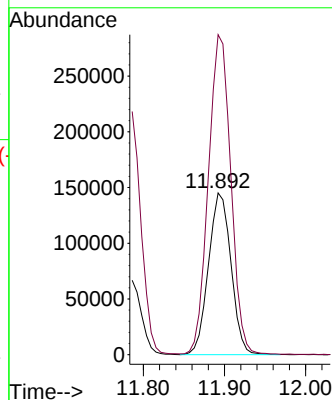
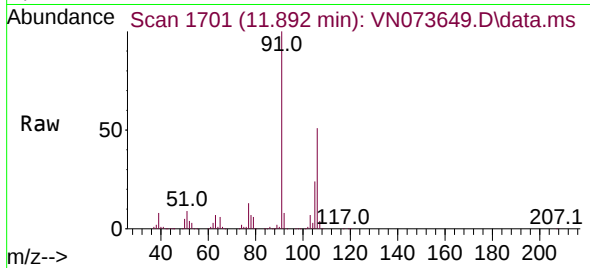




#67  
m/p-Xylenes  
Concen: 37.818 ug/l  
RT: 11.892 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

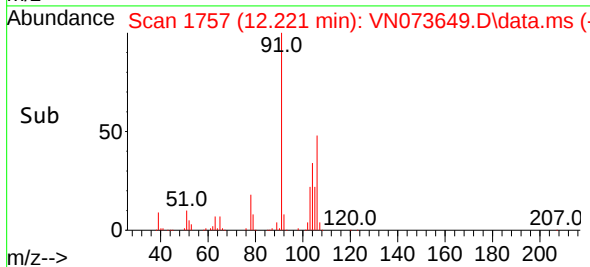
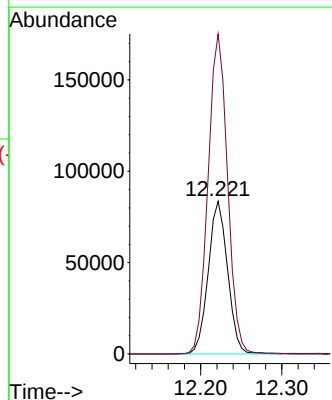
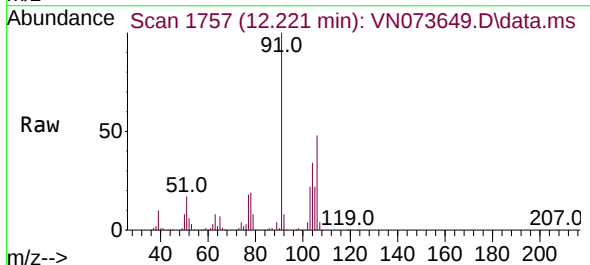
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

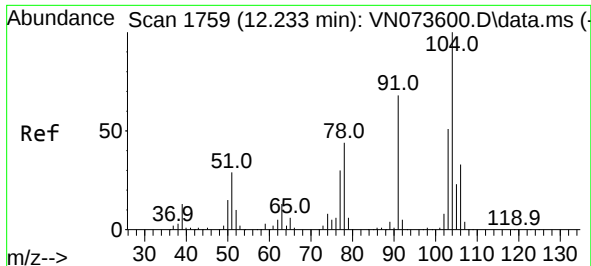
Tgt Ion:106 Resp: 279818  
Ion Ratio Lower Upper  
106 100  
91 197.3 162.9 244.3



#68  
o-Xylene  
Concen: 18.845 ug/l  
RT: 12.221 min Scan# 1757  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion:106 Resp: 138492  
Ion Ratio Lower Upper  
106 100  
91 210.7 107.7 323.1

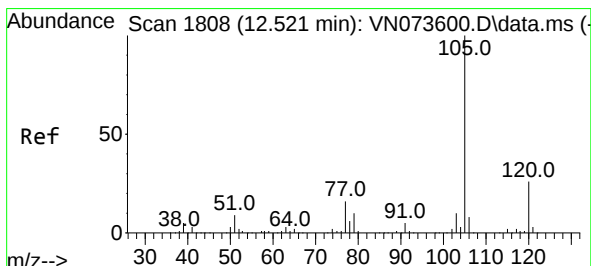
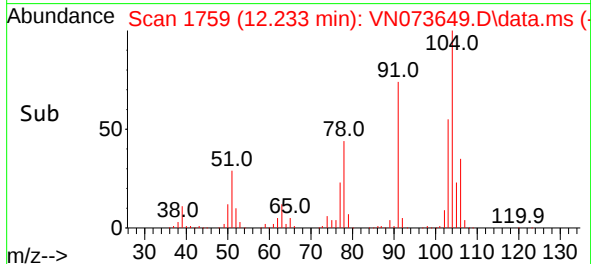
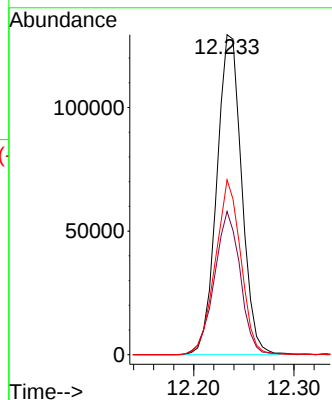
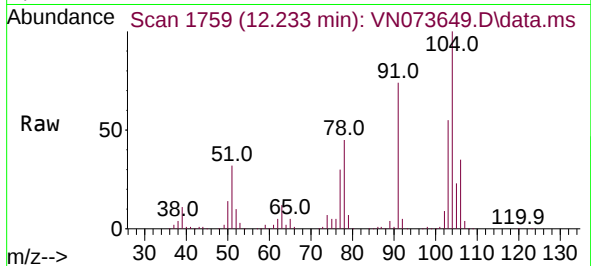




#69  
Styrene  
Concen: 18.427 ug/l  
RT: 12.233 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

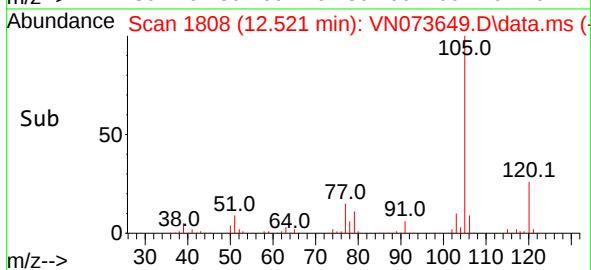
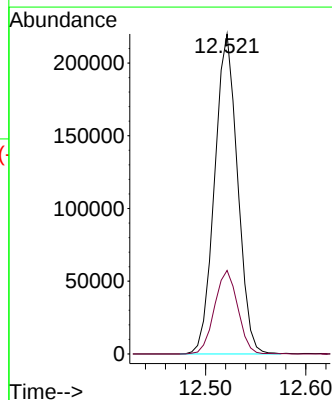
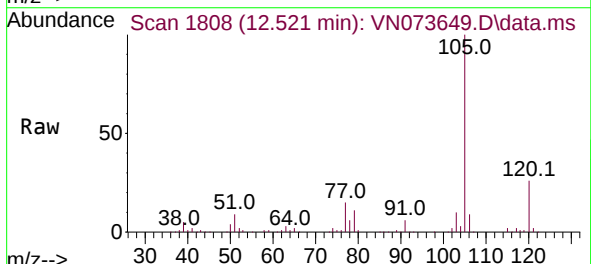
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

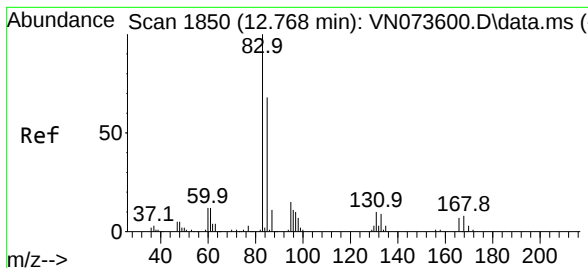
Tgt Ion:104 Resp: 223196  
Ion Ratio Lower Upper  
104 100  
78 46.8 40.7 61.1  
103 56.0 45.8 68.8



#70  
Isopropylbenzene  
Concen: 18.619 ug/l  
RT: 12.521 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion:105 Resp: 349825  
Ion Ratio Lower Upper  
105 100  
120 26.4 18.3 34.1

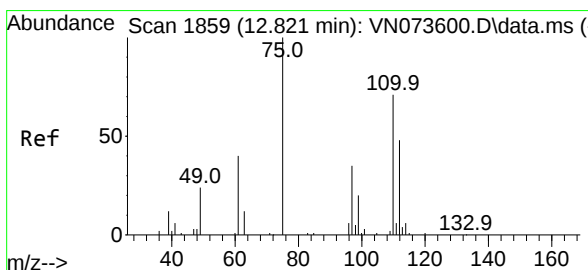
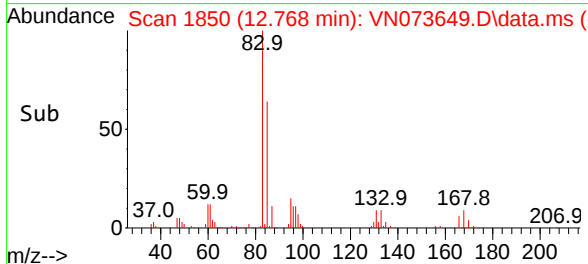
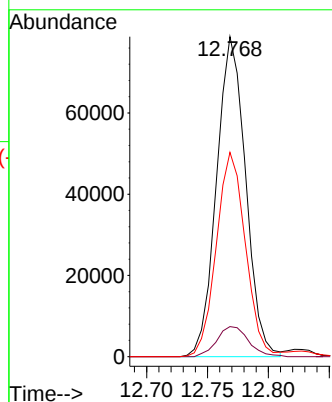
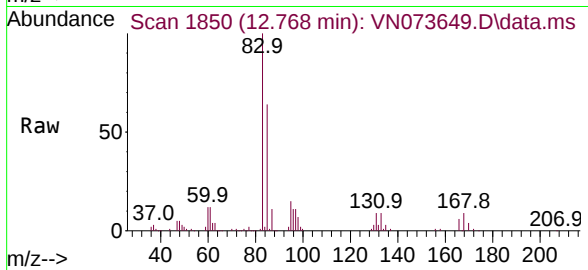




#71  
1,1,2-Tetrachloroethane  
Concen: 19.842 ug/l  
RT: 12.768 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

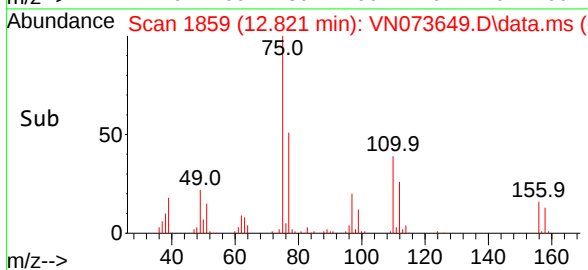
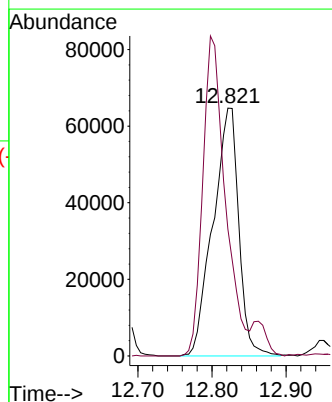
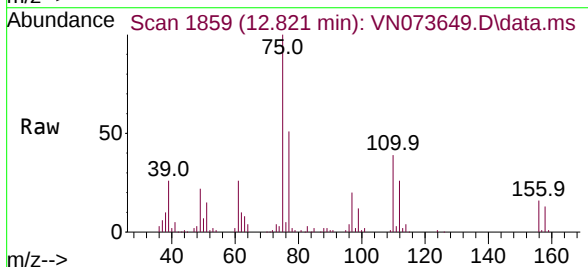
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

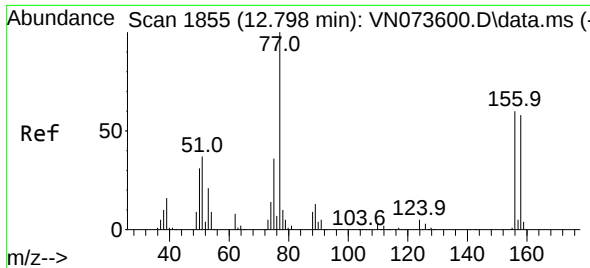
Tgt Ion: 83 Resp: 131086  
Ion Ratio Lower Upper  
83 100  
131 10.3 5.1 15.3  
85 63.6 33.1 99.2



#72  
1,2,3-Trichloropropane  
Concen: 28.362 ug/l  
RT: 12.821 min Scan# 1859  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 75 Resp: 156490  
Ion Ratio Lower Upper  
75 100  
77 113.7 0.0 378.0

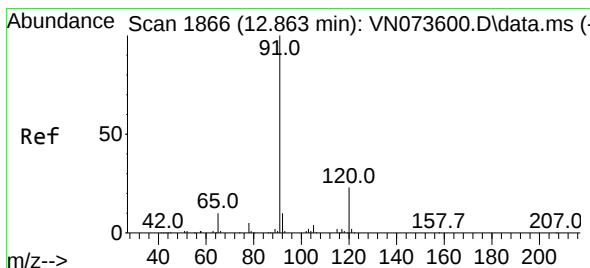
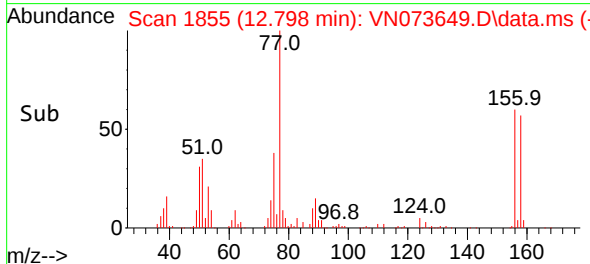
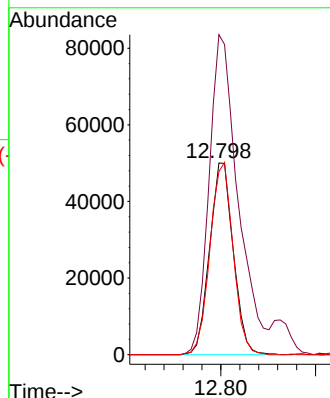
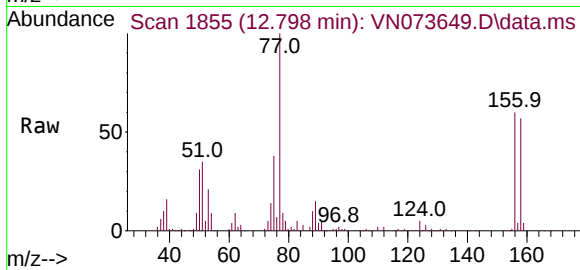




#73  
Bromobenzene  
Concen: 18.650 ug/l  
RT: 12.798 min Scan# 1855  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

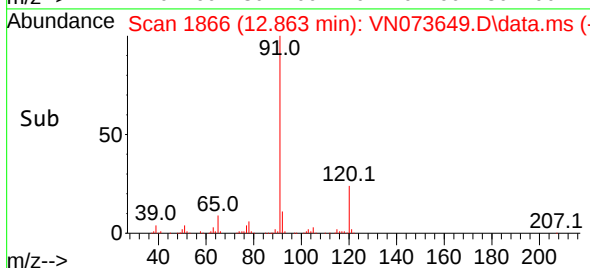
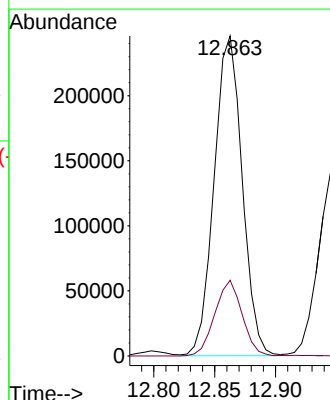
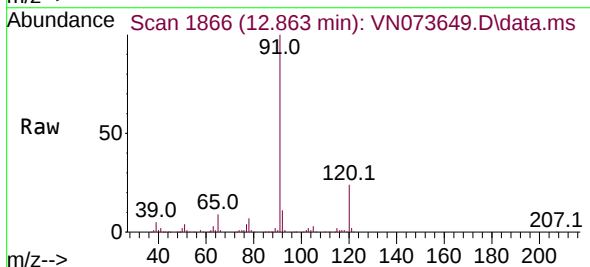
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

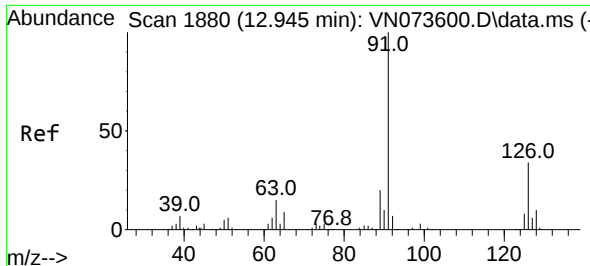
Tgt Ion:156 Resp: 87044  
Ion Ratio Lower Upper  
156 100  
77 204.3 0.0 416.0  
158 97.6 0.0 195.4



#74  
n-propylbenzene  
Concen: 18.019 ug/l  
RT: 12.863 min Scan# 1866  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 91 Resp: 394001  
Ion Ratio Lower Upper  
91 100  
120 22.9 0.0 45.0

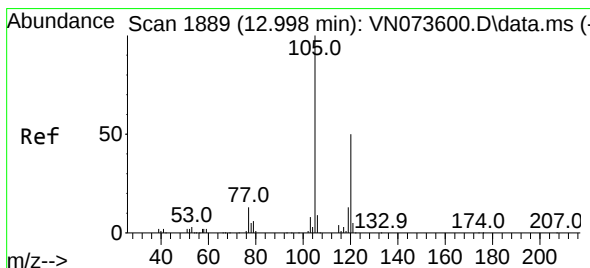
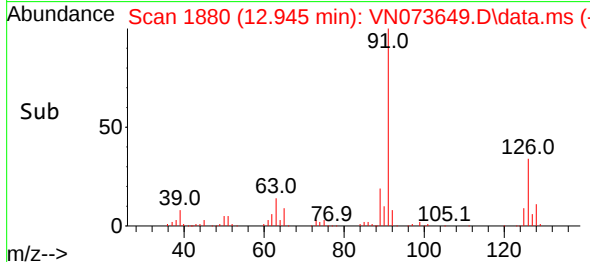
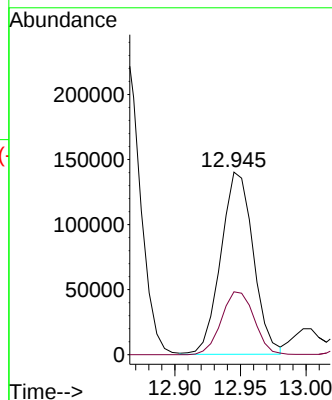
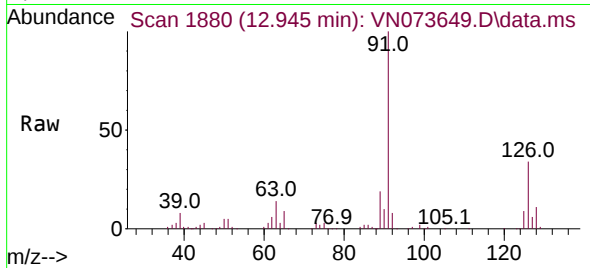




#75  
2-Chlorotoluene  
Concen: 18.428 ug/l  
RT: 12.945 min Scan# 1880  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

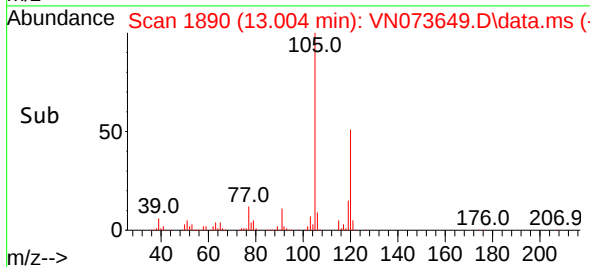
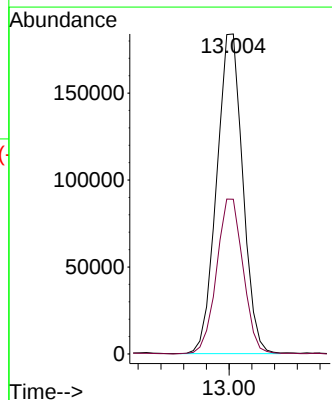
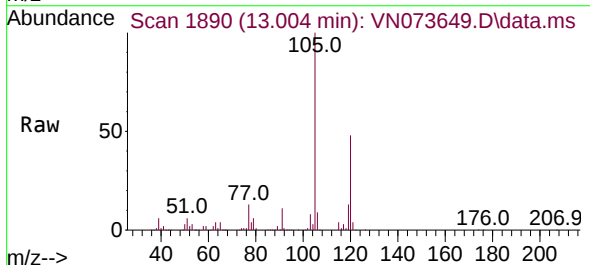
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

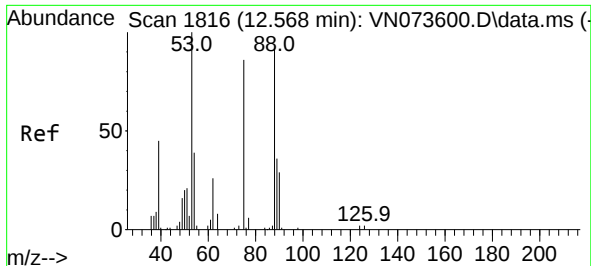
Tgt Ion: 91 Resp: 241545  
Ion Ratio Lower Upper  
91 100  
126 34.8 0.0 69.8



#76  
1,3,5-Trimethylbenzene  
Concen: 18.636 ug/l  
RT: 13.004 min Scan# 1890  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 105 Resp: 293276  
Ion Ratio Lower Upper  
105 100  
120 49.4 0.0 93.8

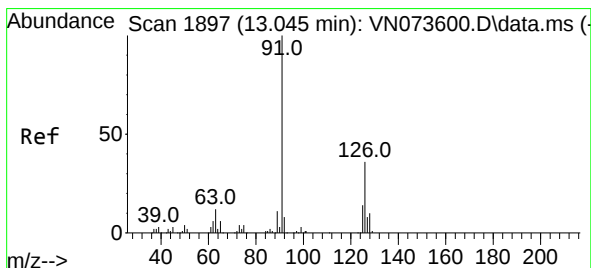
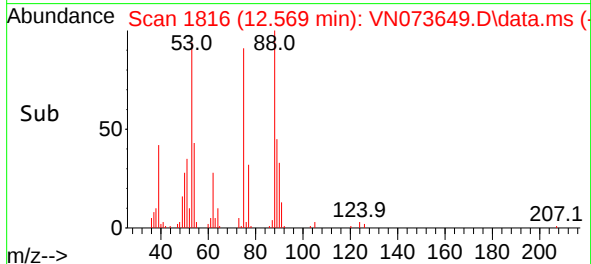
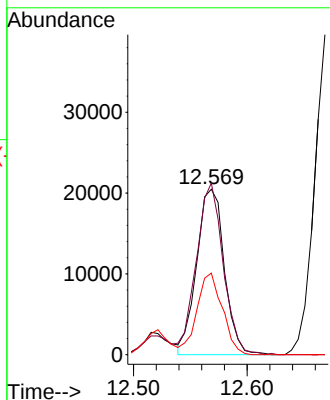
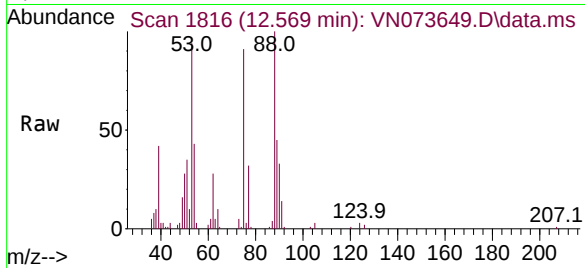




#77  
t-1,4-Dichloro-2-butene  
Concen: 17.247 ug/l  
RT: 12.569 min Scan# 1816  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

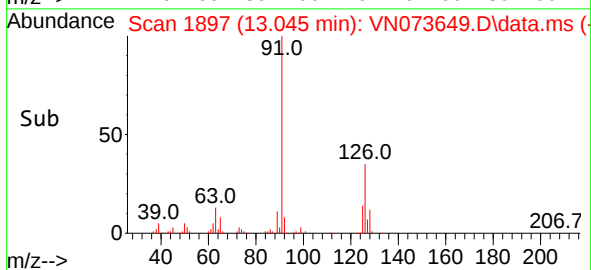
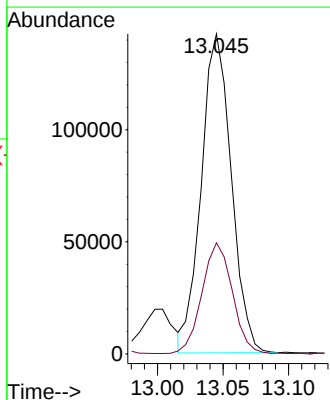
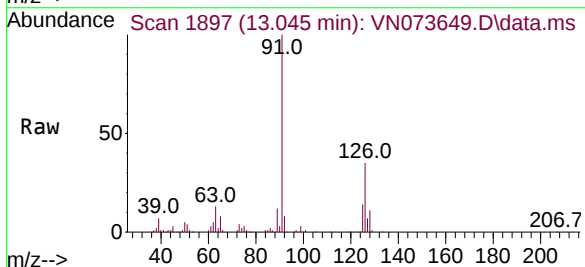
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

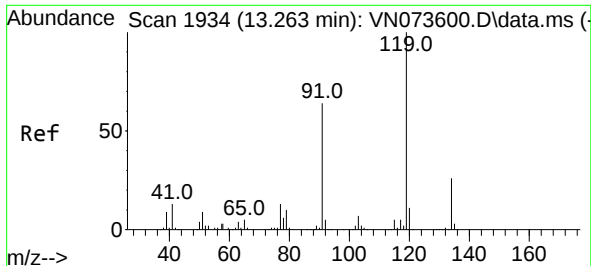
Tgt Ion: 75 Resp: 34679  
Ion Ratio Lower Upper  
75 100  
53 103.7 51.8 155.5  
89 49.3 22.9 68.7



#78  
4-Chlorotoluene  
Concen: 18.006 ug/l  
RT: 13.045 min Scan# 1897  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 91 Resp: 226717  
Ion Ratio Lower Upper  
91 100  
126 35.4 0.0 70.6

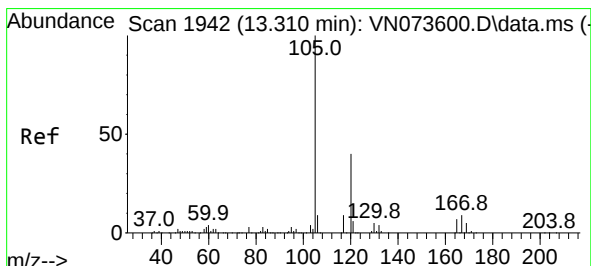
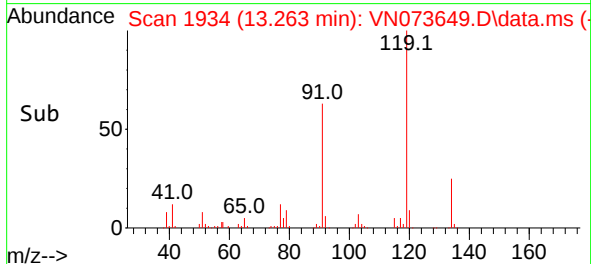
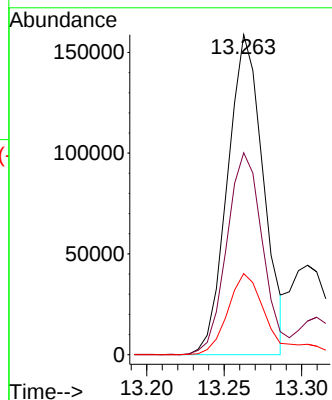
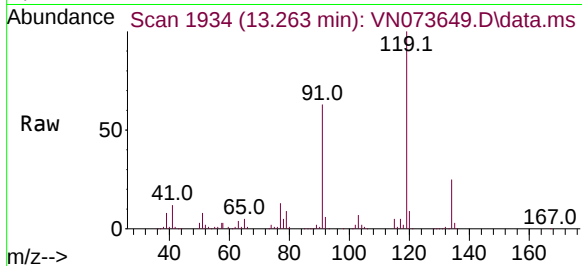




#79  
tert-butylbenzene  
Concen: 18.728 ug/l  
RT: 13.263 min Scan# 1934  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

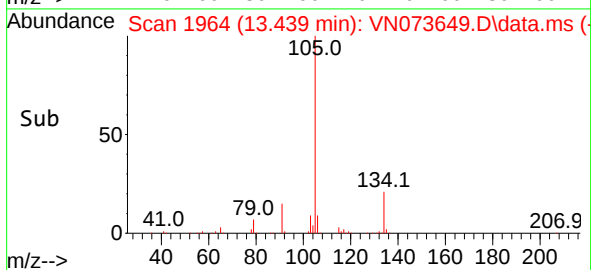
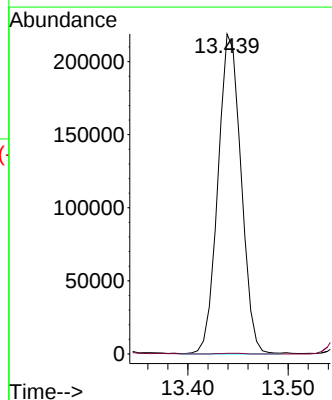
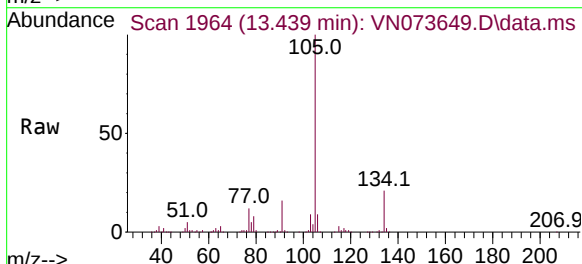
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

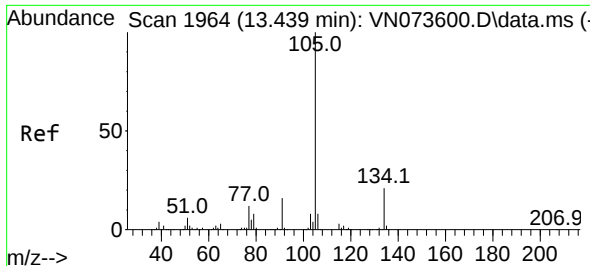
Tgt Ion:119 Resp: 254807  
Ion Ratio Lower Upper  
119 100  
91 63.8 0.0 137.0  
134 25.7 0.0 47.6



#80  
1,2,4-Trimethylbenzene  
Concen: 22.452 ug/l  
RT: 13.439 min Scan# 1964  
Delta R.T. 0.129 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion:105 Resp: 349996  
Ion Ratio Lower Upper  
105 100  
120 0.2 0.0 0.2

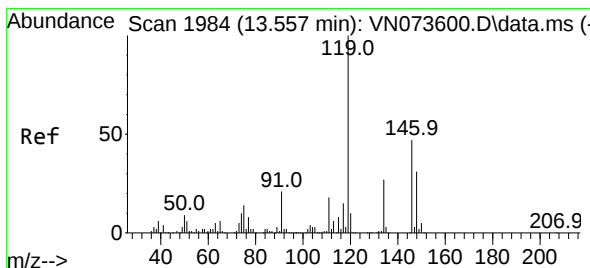
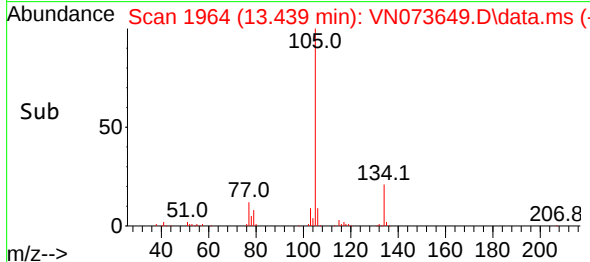
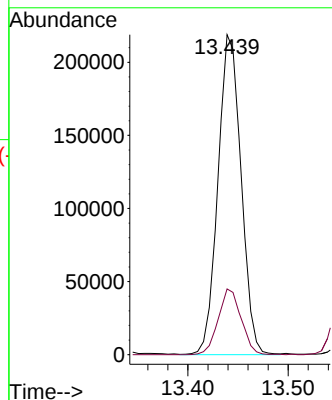
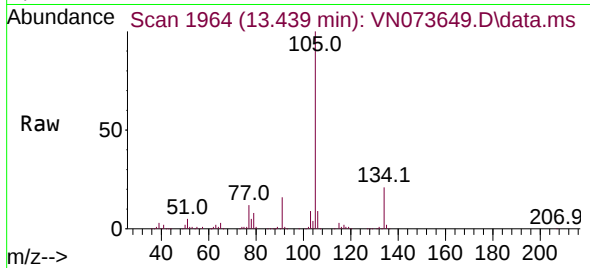




#81  
 sec-Butylbenzene  
 Concen: 17.915 ug/l  
 RT: 13.439 min Scan# 1964  
 Delta R.T. 0.000 min  
 Lab File: VN073649.D  
 Acq: 29 Jul 2022 21:04

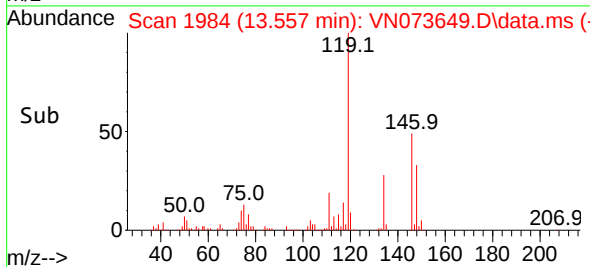
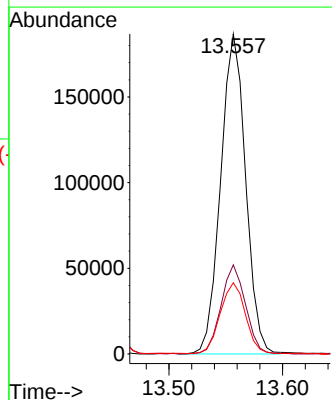
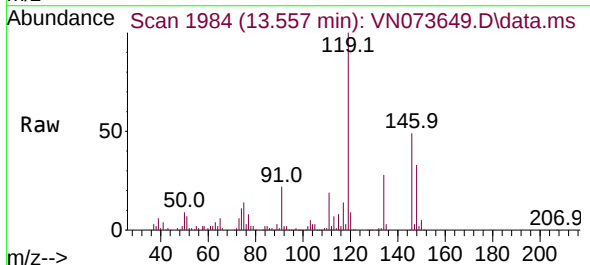
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

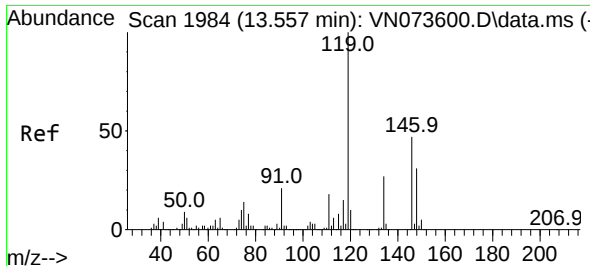
Tgt Ion:105 Resp: 349996  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 0.0 39.4



#82  
 p-Isopropyltoluene  
 Concen: 17.777 ug/l  
 RT: 13.557 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN073649.D  
 Acq: 29 Jul 2022 21:04

Tgt Ion:119 Resp: 285119  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 0.0 51.8  
 91 22.5 0.0 50.4

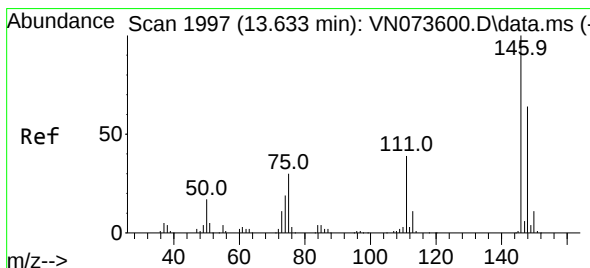
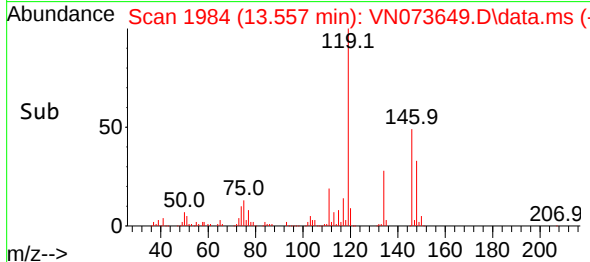
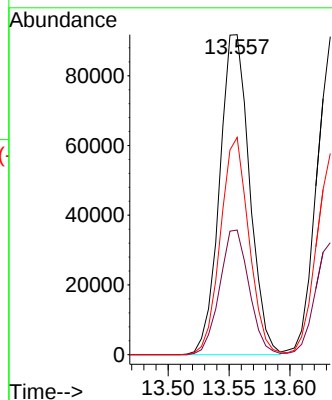
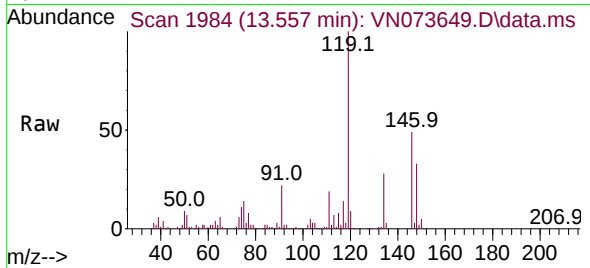




#83  
1,3-Dichlorobenzene  
Concen: 18.386 ug/l  
RT: 13.557 min Scan# 1984  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

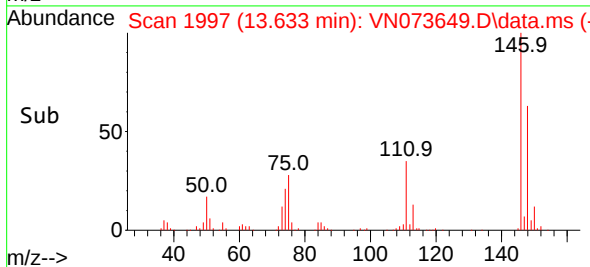
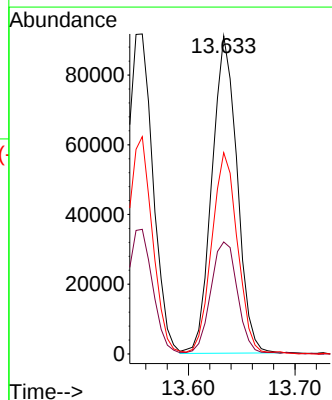
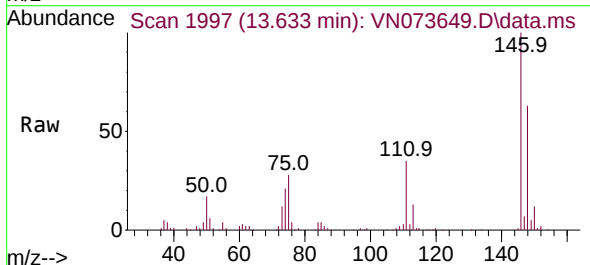
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

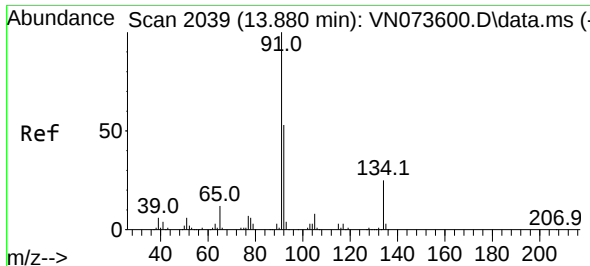
Tgt Ion:146 Resp: 157079  
Ion Ratio Lower Upper  
146 100  
111 38.3 20.8 62.2  
148 64.6 31.4 94.3



#84  
1,4-Dichlorobenzene  
Concen: 18.065 ug/l  
RT: 13.633 min Scan# 1997  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion:146 Resp: 148877  
Ion Ratio Lower Upper  
146 100  
111 37.7 19.5 58.5  
148 65.0 31.1 93.5

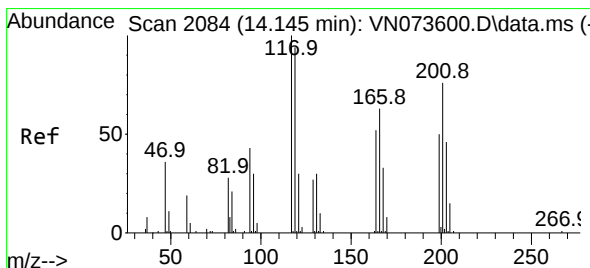
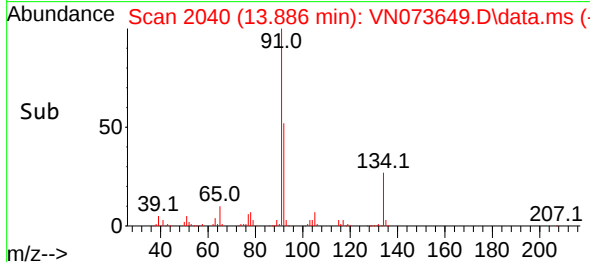
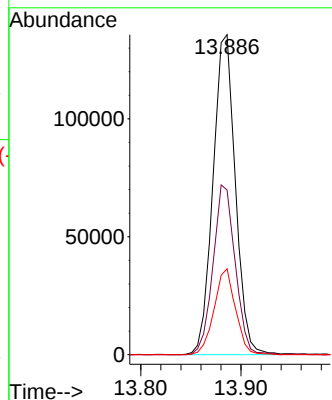
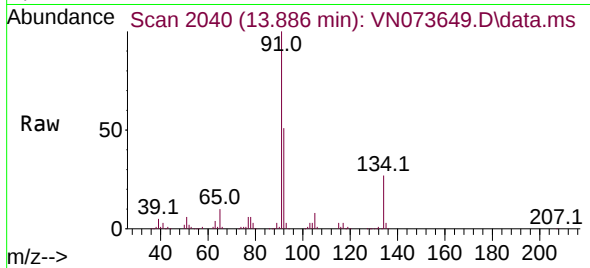




#85  
n-Butylbenzene  
Concen: 16.191 ug/l  
RT: 13.886 min Scan# 2039  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

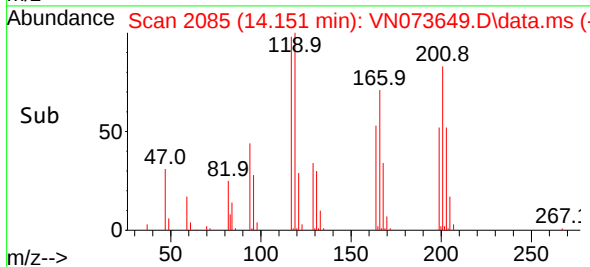
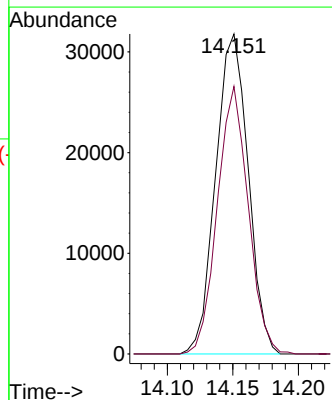
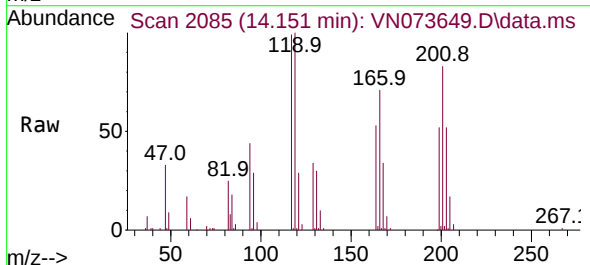
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

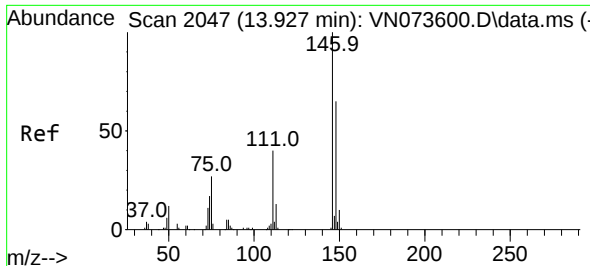
Tgt Ion: 91 Resp: 210503  
Ion Ratio Lower Upper  
91 100  
92 52.5 0.0 100.6  
134 25.7 0.0 50.2



#86  
Hexachloroethane  
Concen: 18.638 ug/l  
RT: 14.151 min Scan# 2085  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion: 117 Resp: 54825  
Ion Ratio Lower Upper  
117 100  
201 79.4 33.3 99.8





#87

1,2-Dichlorobenzene

Concen: 18.786 ug/l

RT: 13.927 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

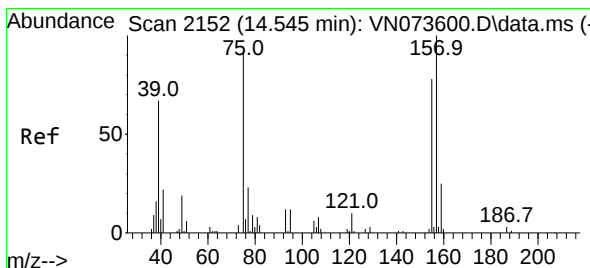
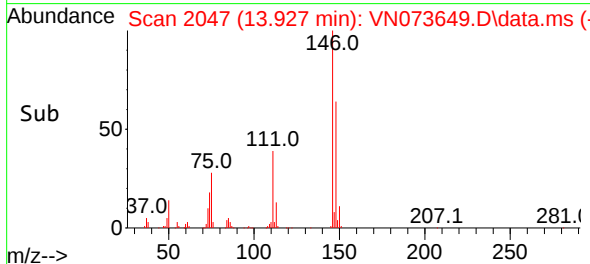
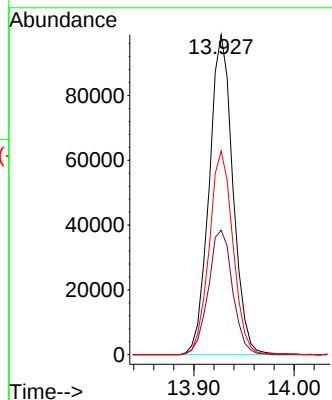
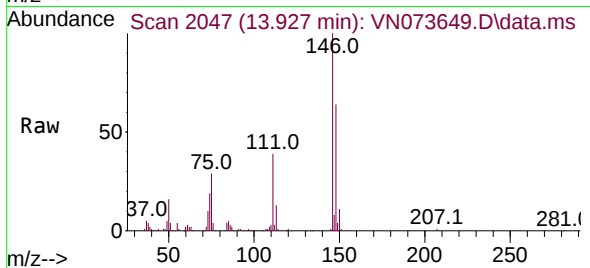
Tgt Ion:146 Resp: 162266

Ion Ratio Lower Upper

146 100

111 39.9 21.4 64.2

148 63.8 32.5 97.4



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.942 ug/l

RT: 14.545 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VN073649.D

Acq: 29 Jul 2022 21:04

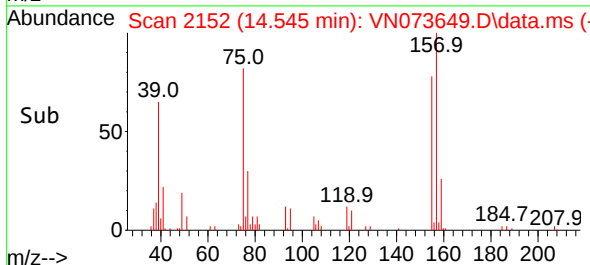
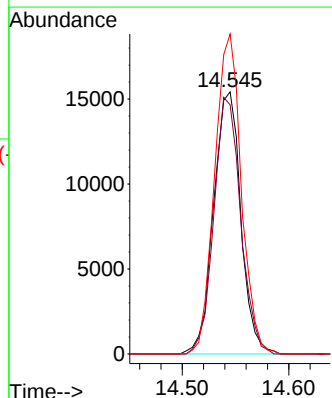
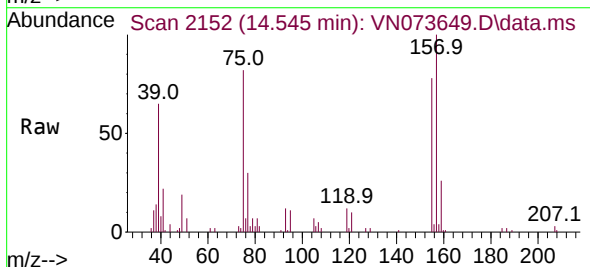
Tgt Ion: 75 Resp: 27333

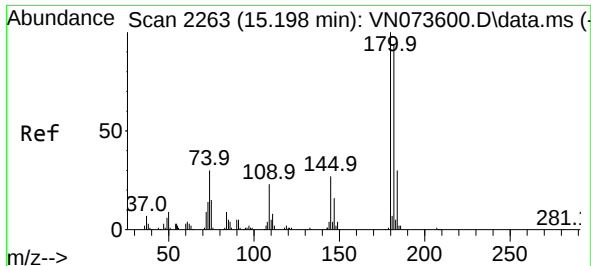
Ion Ratio Lower Upper

75 100

155 96.1 63.8 95.8#

157 119.3 77.9 116.9#

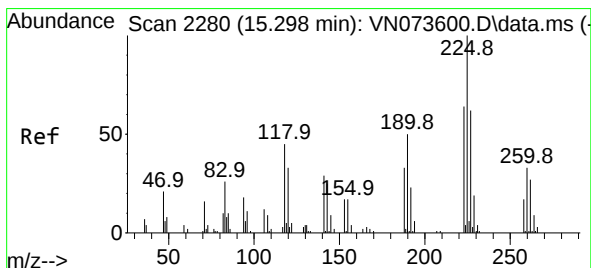
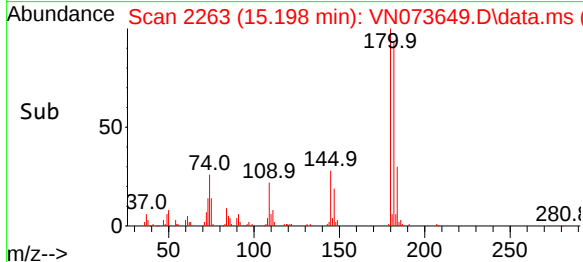
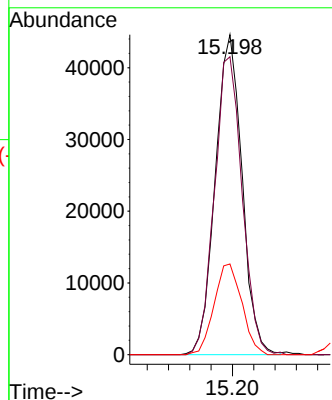
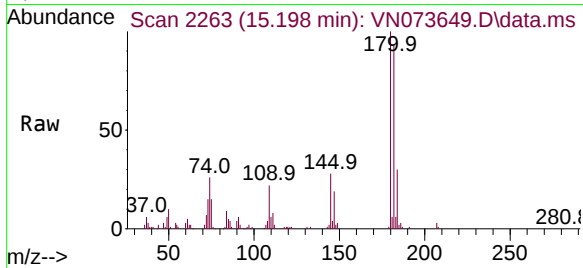




#89  
1,2,4-Trichlorobenzene  
Concen: 16.357 ug/l  
RT: 15.198 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

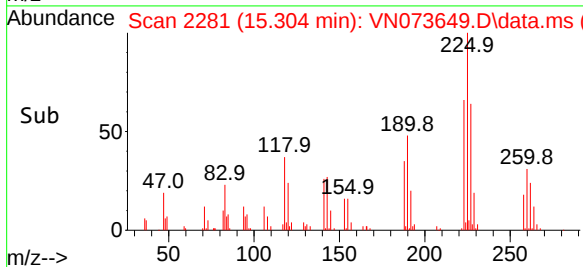
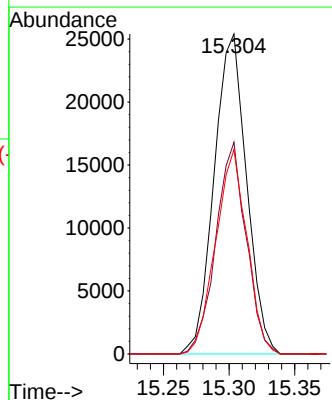
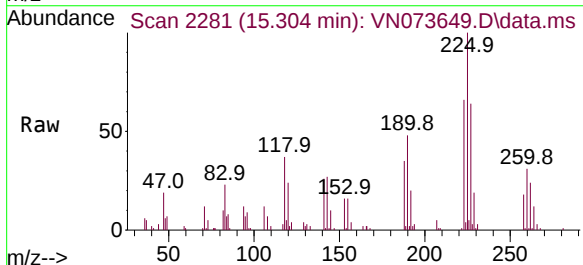
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

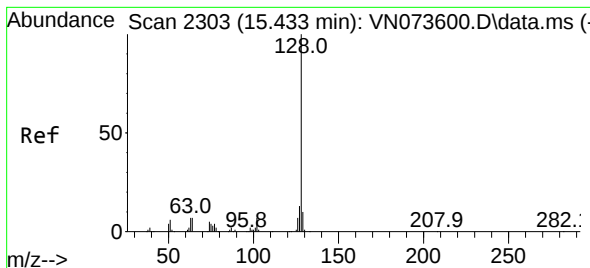
Tgt Ion:180 Resp: 77760  
Ion Ratio Lower Upper  
180 100  
182 96.3 77.7 116.5  
145 29.4 26.6 39.8



#90  
Hexachlorobutadiene  
Concen: 18.154 ug/l  
RT: 15.304 min Scan# 2281  
Delta R.T. 0.006 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion:225 Resp: 43711  
Ion Ratio Lower Upper  
225 100  
223 61.9 0.0 126.8  
227 61.5 0.0 123.0

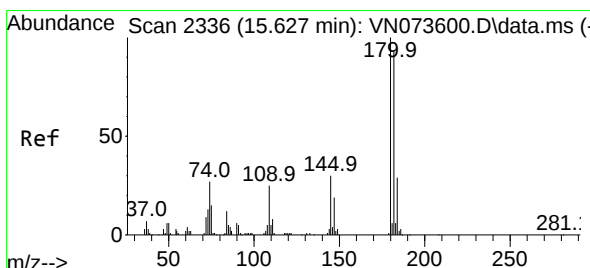
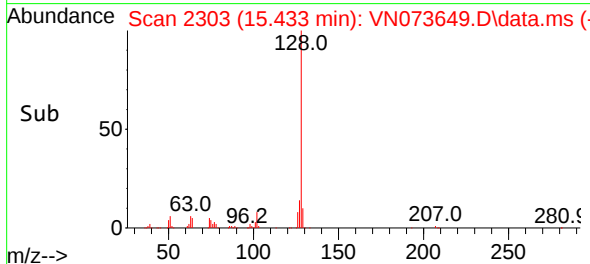
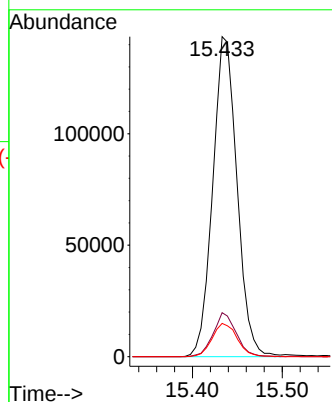
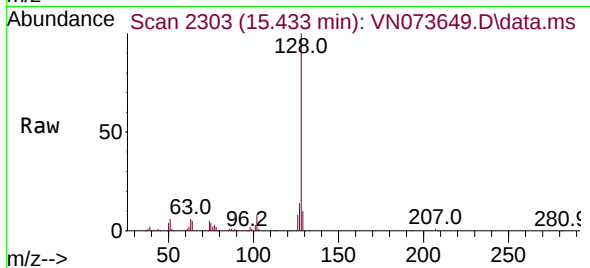




#91  
Naphthalene  
Concen: 17.274 ug/l  
RT: 15.433 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:128 Resp: 269631  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.7 16.1  
129 10.8 9.0 13.6



#92  
1,2,3-Trichlorobenzene  
Concen: 17.606 ug/l  
RT: 15.627 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VN073649.D  
Acq: 29 Jul 2022 21:04

Tgt Ion:180 Resp: 85978  
Ion Ratio Lower Upper  
180 100  
182 93.9 0.0 190.0  
145 29.9 0.0 67.8

