

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071825\  
 Data File : VN087353.D  
 Acq On : 18 Jul 2025 09:15  
 Operator : JC\MD  
 Sample : VSTDC0020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0020

Quant Time: Jul 18 23:14:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jun 25 10:49:56 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Bromochloromethane        | 7.800  | 128   | 46358    | 30.000   | ug/l       | -0.02    |
| 28) 1,4-Difluorobenzene      | 9.083  | 114   | 246415   | 30.000   | ug/l       | -0.02    |
| 57) Chlorobenzene-d5         | 11.847 | 117   | 220107   | 30.000   | ug/l       | -0.02    |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 8.565  | 65    | 113605   | 32.525   | ug/l       | -0.02    |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 108.400% |          |
| 60) 4-Bromofluorobenzene     | 12.829 | 95    | 107036   | 31.514   | ug/l       | -0.02    |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 105.033% |          |
| 63) Toluene-d8               | 10.547 | 98    | 296684   | 30.020   | ug/l       | -0.02    |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 100.067% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142  | 85    | 44437    | 15.924   | ug/l       | 99       |
| 3) Chloromethane             | 2.383  | 50    | 52502    | 18.420   | ug/l       | 97       |
| 4) Vinyl Chloride            | 2.542  | 62    | 55153    | 17.804   | ug/l       | 99       |
| 5) Bromomethane              | 2.977  | 94    | 32358    | 19.682   | ug/l       | 88       |
| 6) Chloroethane              | 3.142  | 64    | 36445    | 21.932   | ug/l       | 97       |
| 7) Trichlorofluoromethane    | 3.512  | 101   | 82490    | 21.710   | ug/l       | 98       |
| 8) Diethyl Ether             | 3.954  | 74    | 16843    | 9.022    | ug/l #     | 1        |
| 10) 1,1-Dichloroethene       | 4.342  | 96    | 44111    | 15.708   | ug/l       | 83       |
| 11) Methyl Iodide            | 4.583  | 142   | 45406    | 18.048   | ug/l       | 81       |
| 12) Methyl Acetate           | 5.018  | 43    | 93314    | 21.184   | ug/l       | 93       |
| 13) Acrolein                 | 4.177  | 56    | 47724    | 70.510   | ug/l       | 99       |
| 14) Acrylonitrile            | 5.706  | 53    | 191174   | 93.047   | ug/l       | 98       |
| 15) Acetone                  | 4.424  | 58    | 53705    | 89.609   | ug/l       | 83       |
| 16) Carbon Disulfide         | 4.706  | 76    | 121756   | 14.829   | ug/l       | 100      |
| 17) Allyl chloride           | 5.018  | 41    | 85793    | 18.523   | ug/l       | 94       |
| 18) Methylene Chloride       | 5.271  | 84    | 62718    | 19.279   | ug/l       | 96       |
| 19) trans-1,2-Dichloroethene | 5.771  | 96    | 51726    | 16.843   | ug/l       | 96       |
| 20) Diisopropyl ether        | 6.659  | 45    | 205164   | 20.878   | ug/l       | 97       |
| 21) 1,1-Dichloroethane       | 6.553  | 63    | 111760   | 19.029   | ug/l       | 98       |
| 22) cis-1,2-Dichloroethene   | 7.471  | 96    | 66017    | 18.471   | ug/l       | 99       |
| 23) tert-Butyl Alcohol       | 5.524  | 59    | 69826    | 90.368   | ug/l #     | 100      |
| 24) Methyl tert-Butyl Ether  | 5.783  | 73    | 196135   | 19.914   | ug/l       | 98       |
| 25) Chloroform               | 7.953  | 83    | 113716   | 20.210   | ug/l       | 99       |
| 26) Cyclohexane              | 8.241  | 56    | 80329    | 16.454   | ug/l #     | 97       |
| 29) 1,1-Dichloropropene      | 8.353  | 75    | 73342    | 19.096   | ug/l       | 98       |
| 30) 2-Butanone               | 7.471  | 43    | 271343   | 104.734  | ug/l       | 96       |
| 31) 2,2-Dichloropropane      | 7.477  | 77    | 92394    | 19.929   | ug/l       | 98       |
| 32) 1,1,1-Trichloroethane    | 8.153  | 97    | 94489    | 21.058   | ug/l       | 99       |
| 33) Carbon Tetrachloride     | 8.341  | 117   | 79595    | 21.079   | ug/l       | 97       |
| 34) Benzene                  | 8.588  | 78    | 236944   | 19.473   | ug/l       | 96       |
| 35) Methacrylonitrile        | 7.765  | 41    | 56967    | 21.818   | ug/l       | 94       |
| 36) 1,2-Dichloroethane       | 8.653  | 62    | 88492    | 22.510   | ug/l       | 100      |
| 37) Trichloroethene          | 9.335  | 130   | 52709    | 18.781   | ug/l       | 100      |
| 38) Methylcyclohexane        | 9.583  | 83    | 79927    | 18.137   | ug/l       | 97       |
| 39) 1,2-Dichloropropane      | 9.600  | 63    | 62218    | 20.373   | ug/l       | 97       |
| 40) Dibromomethane           | 9.688  | 93    | 44019    | 21.197   | ug/l       | 96       |
| 41) Bromodichloromethane     | 9.871  | 83    | 91595    | 21.852   | ug/l #     | 98       |
| 42) Vinyl Acetate            | 6.595  | 43    | 836803   | 99.305   | ug/l       | 99       |
| 43) Ethyl Acetate            | 7.547  | 43    | 104626   | 22.371   | ug/l       | 94       |

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 Data File : VN087353.D  
 Acq On : 18 Jul 2025 09:15  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Quant Time: Jul 18 23:14:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jun 25 10:49:56 2025  
 Response via : Initial Calibration

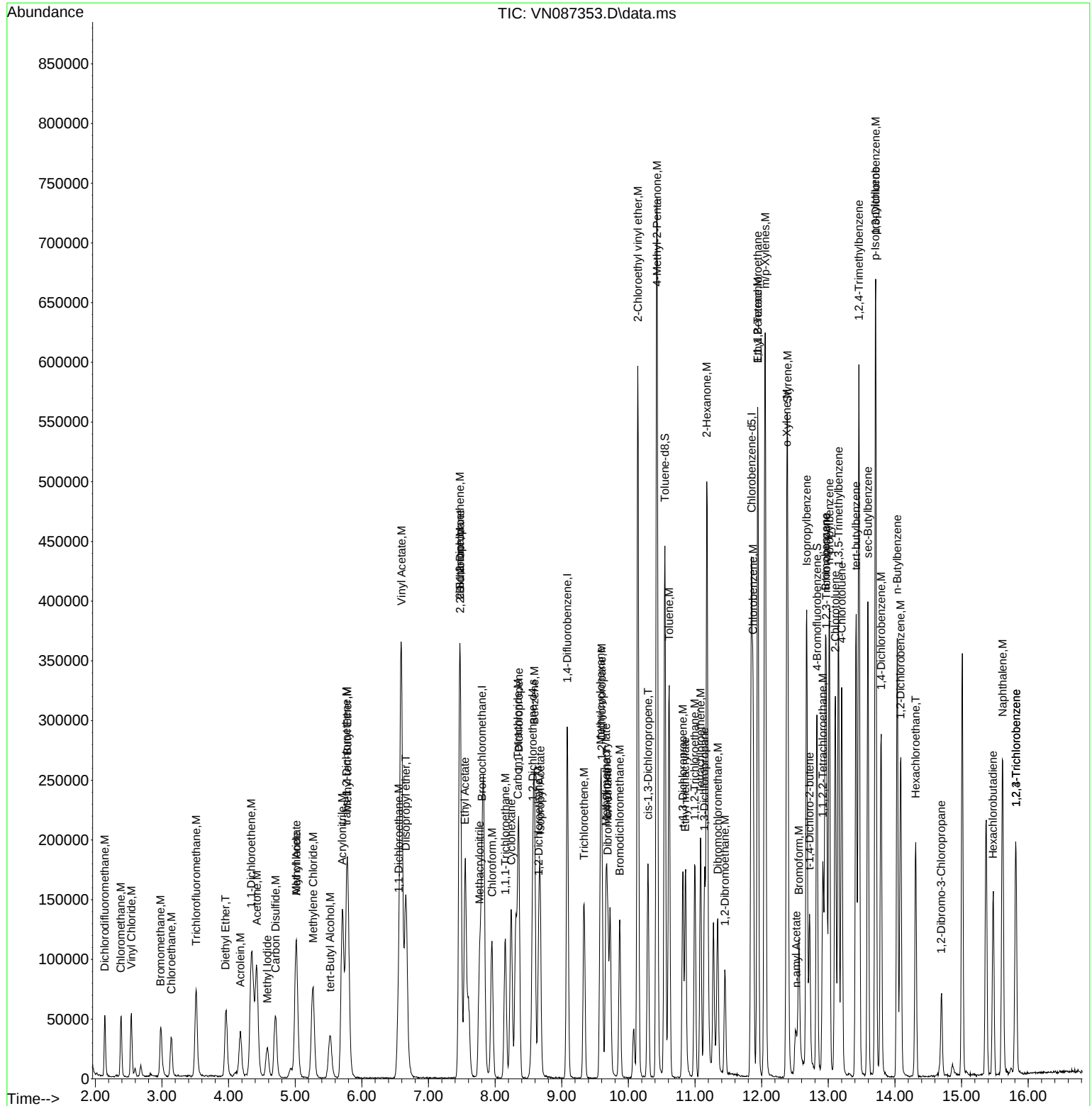
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 44) Isopropyl Acetate         | 8.677  | 43   | 164459   | 21.582  | ug/l   | 98       |
| 45) 1,4-Dioxane               | 9.677  | 88   | 22450    | 435.529 | ug/l   | 98       |
| 46) Methyl methacrylate       | 9.665  | 41   | 76833    | 21.690  | ug/l   | 90       |
| 47) n-amyl Acetate            | 12.518 | 43   | 41539    | 8.916   | ug/l # | 100      |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 96762    | 20.708  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 100992   | 20.330  | ug/l   | 93       |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 59421    | 20.144  | ug/l   | 96       |
| 51) Ethyl methacrylate        | 10.853 | 69   | 95191    | 21.202  | ug/l   | 95       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 106028   | 20.936  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.341 | 129  | 68283    | 22.052  | ug/l   | 97       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 60238    | 19.793  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 263740   | 102.481 | ug/l   | 99       |
| 56) Bromoform                 | 12.559 | 173  | 44831    | 21.061  | ug/l # | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.430 | 43   | 522358   | 118.048 | ug/l   | 97       |
| 59) 2-Hexanone                | 11.177 | 43   | 359424   | 125.791 | ug/l   | 91       |
| 61) Tetrachloroethene         | 11.082 | 164  | 45226    | 20.748  | ug/l   | 98       |
| 62) Toluene                   | 10.612 | 91   | 248127   | 19.960  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.871 | 112  | 160479   | 20.238  | ug/l   | 96       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 58313    | 22.256  | ug/l   | 96       |
| 66) Ethyl Benzene             | 11.941 | 91   | 267868   | 19.686  | ug/l   | 98       |
| 67) m/p-Xylenes               | 12.053 | 106  | 208770   | 40.039  | ug/l   | 100      |
| 68) o-Xylene                  | 12.376 | 106  | 101235   | 20.351  | ug/l   | 100      |
| 69) Styrene                   | 12.388 | 104  | 170293   | 19.940  | ug/l   | 98       |
| 70) Isopropylbenzene          | 12.676 | 105  | 258198   | 20.841  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 91263    | 20.465  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.971 | 75   | 121250   | 31.530  | ug/l   | 54       |
| 73) Bromobenzene              | 12.959 | 156  | 65368    | 21.751  | ug/l   | 92       |
| 74) n-propylbenzene           | 13.018 | 91   | 310937   | 20.544  | ug/l   | 98       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 187392   | 20.493  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 215176   | 21.335  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 32334    | 18.956  | ug/l   | 94       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 198075   | 21.150  | ug/l   | 99       |
| 79) tert-butylbenzene         | 13.418 | 119  | 182171   | 21.488  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 217511   | 21.477  | ug/l   | 96       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 264335   | 21.448  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 227385   | 22.171  | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 123794   | 21.391  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.794 | 146  | 117522   | 20.178  | ug/l   | 93       |
| 85) n-Butylbenzene            | 14.035 | 91   | 209441   | 22.382  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.312 | 117  | 42865    | 22.079  | ug/l   | 93       |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 117001   | 21.442  | ug/l   | 100      |
| 88) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 19921    | 19.839  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene    | 15.817 | 180  | 68248    | 22.107  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 15.470 | 225  | 28055    | 30.624  | ug/l   | 96       |
| 91) Naphthalene               | 15.617 | 128  | 248488   | 20.451  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.817 | 180  | 68248    | 22.107  | ug/l   | 99       |

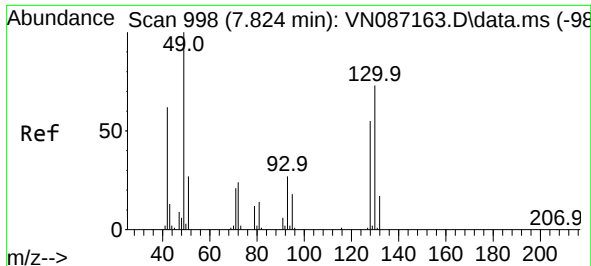
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN087353.D  
Acq On : 18 Jul 2025 09:15  
Operator : JC\MD  
Sample : VSTDCCC020  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Quant Time: Jul 18 23:14:38 2025  
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QLast Update : Wed Jun 25 10:49:56 2025  
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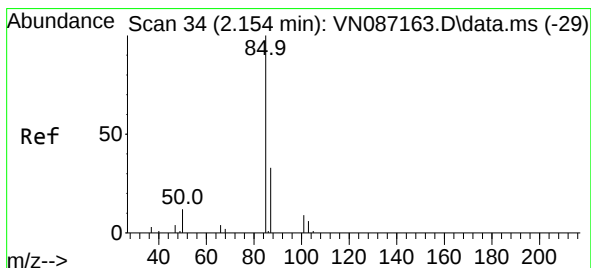
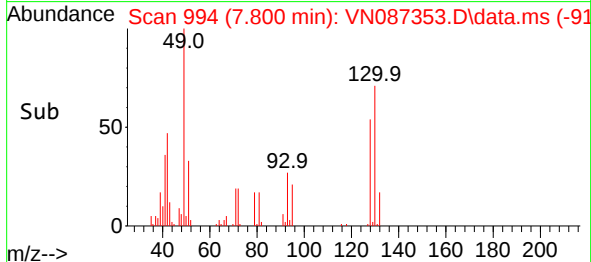
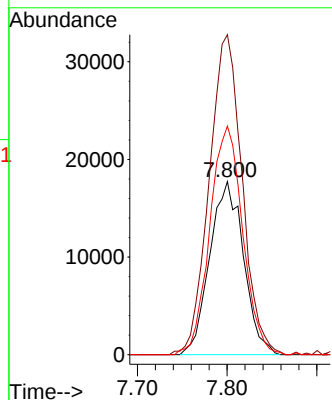
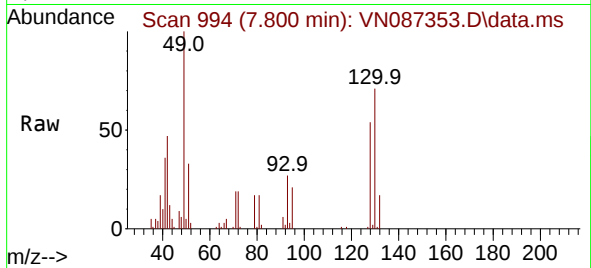




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 91  
Delta R.T. -0.024 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

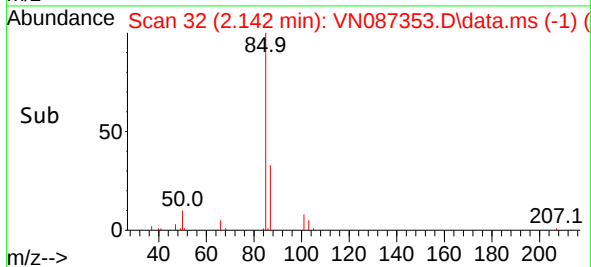
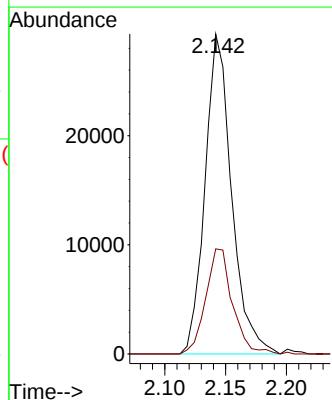
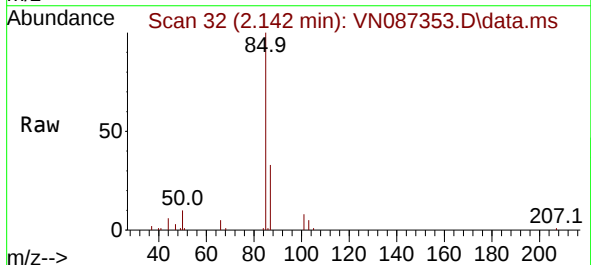
Instrument :  
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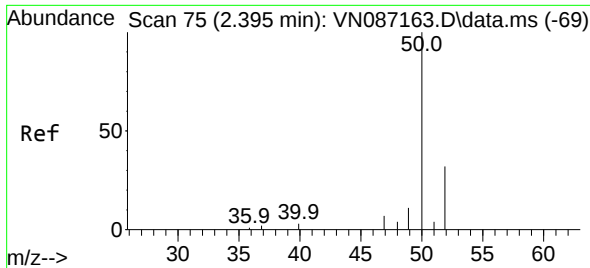
Tgt Ion:128 Resp: 46358  
Ion Ratio Lower Upper  
128 100  
49 180.1 0.0 450.5  
130 128.7 0.0 320.7



#2  
Dichlorodifluoromethane  
Concen: 15.924 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. -0.012 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 85 Resp: 44437  
Ion Ratio Lower Upper  
85 100  
87 32.9 16.7 50.0

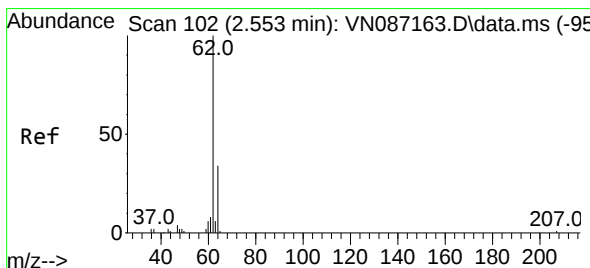
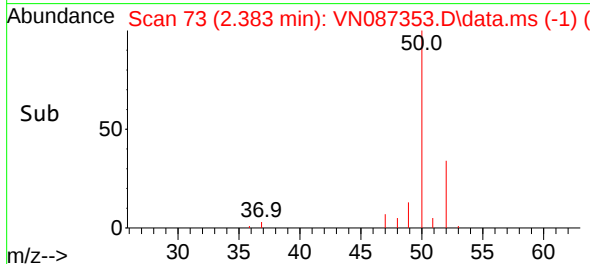
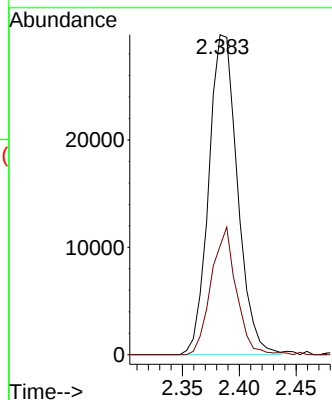
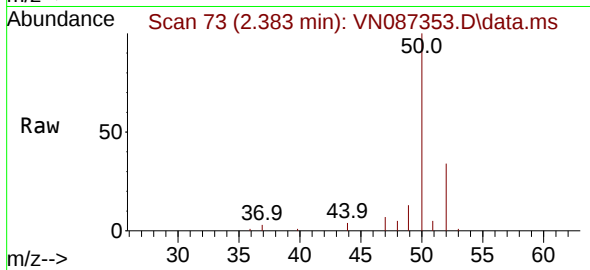




#3  
Chloromethane  
Concen: 18.420 ug/l  
RT: 2.383 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

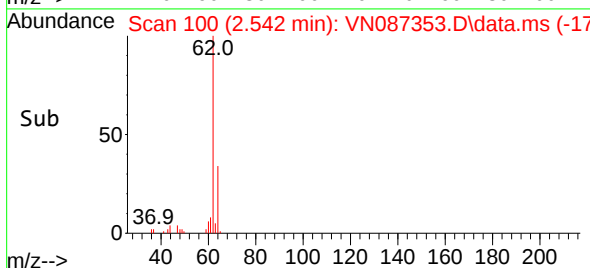
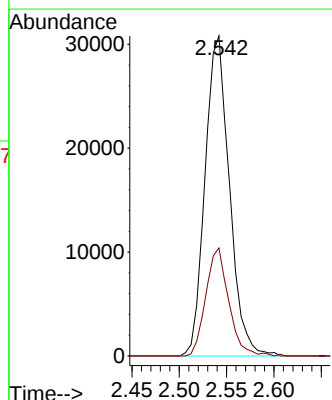
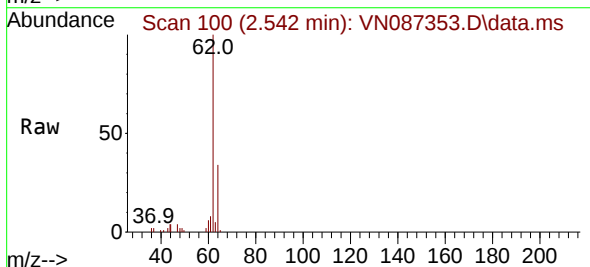
Instrument :  
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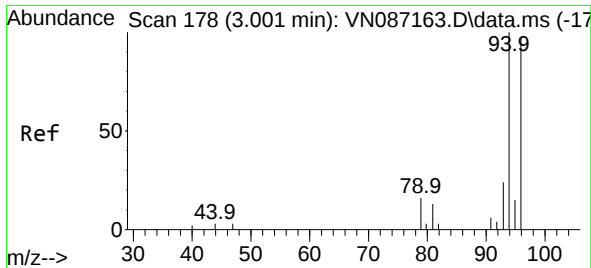
Tgt Ion: 50 Resp: 52502  
Ion Ratio Lower Upper  
50 100  
52 34.0 25.9 38.9



#4  
Vinyl Chloride  
Concen: 17.804 ug/l  
RT: 2.542 min Scan# 100  
Delta R.T. -0.012 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 62 Resp: 55153  
Ion Ratio Lower Upper  
62 100  
64 33.8 27.4 41.2

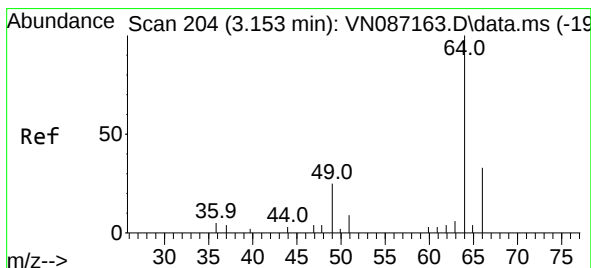
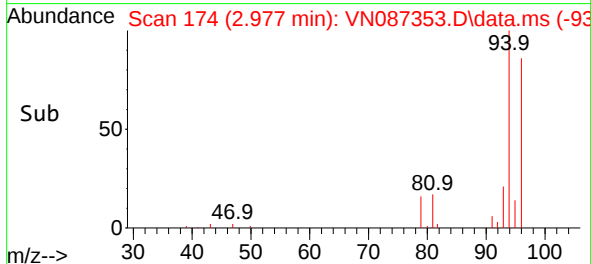
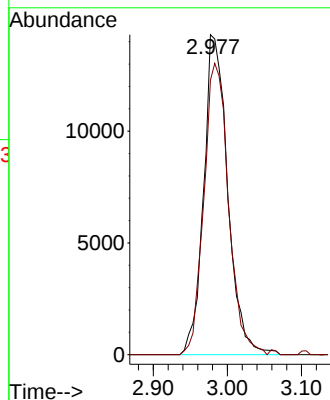
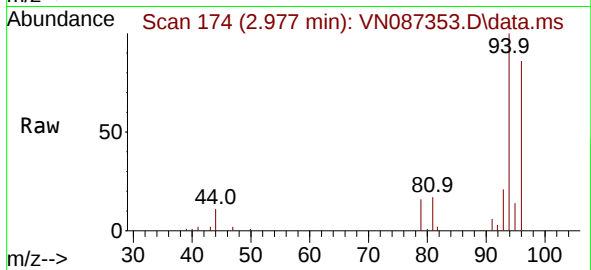




#5  
Bromomethane  
Concen: 19.682 ug/l  
RT: 2.977 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

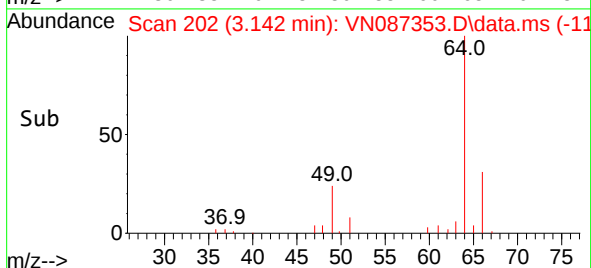
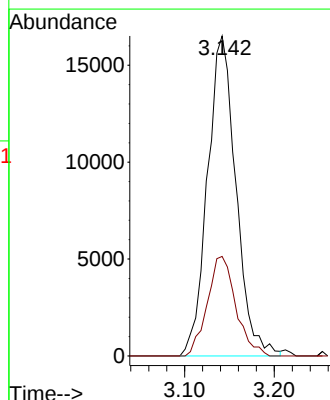
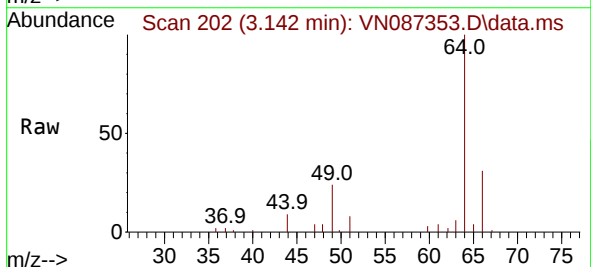
Instrument :  
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VSTDCCC020

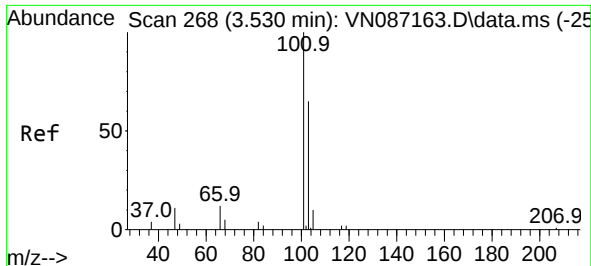
Tgt Ion: 94 Resp: 32358  
Ion Ratio Lower Upper  
94 100  
96 85.8 77.9 116.9



#6  
Chloroethane  
Concen: 21.932 ug/l  
RT: 3.142 min Scan# 202  
Delta R.T. -0.012 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 64 Resp: 36445  
Ion Ratio Lower Upper  
64 100  
66 31.1 26.4 39.6

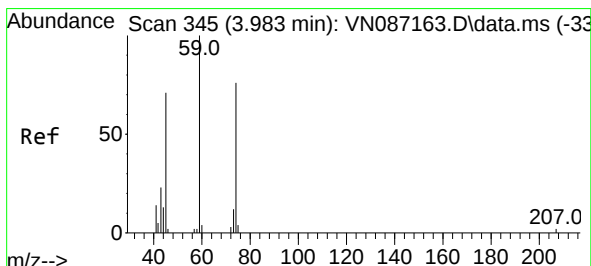
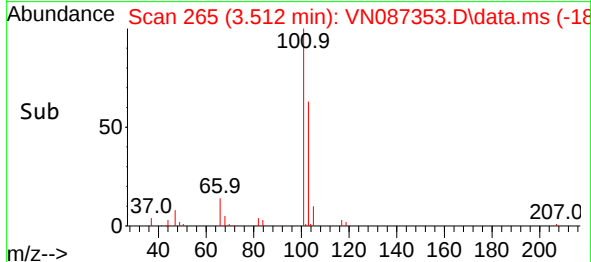
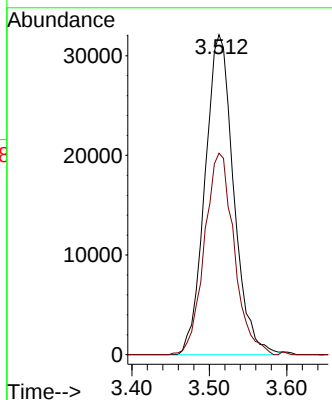
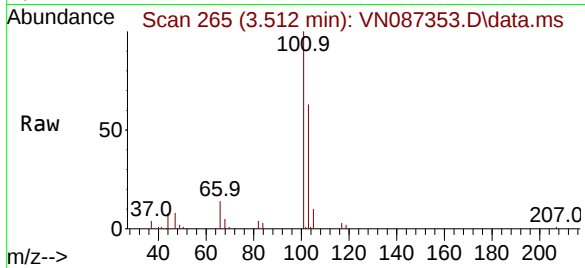




#7  
 Trichlorofluoromethane  
 Concen: 21.710 ug/l  
 RT: 3.512 min Scan# 2  
 Delta R.T. -0.018 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

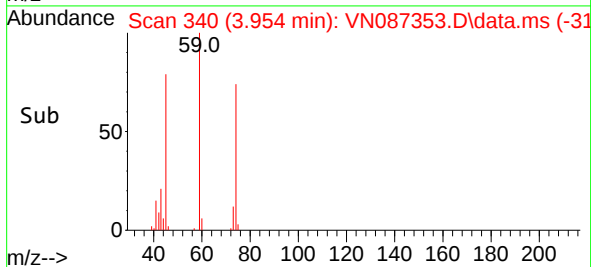
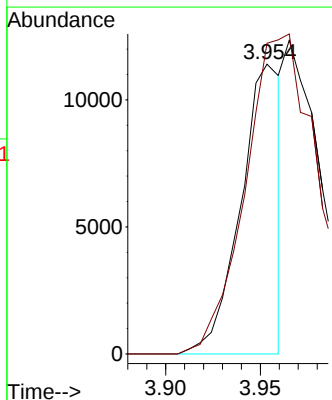
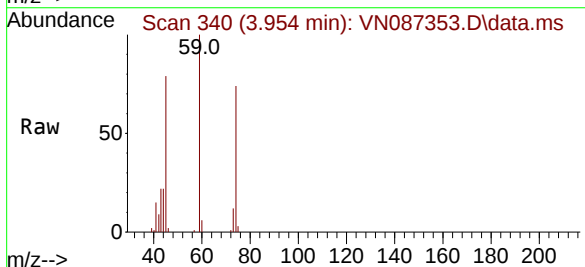
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

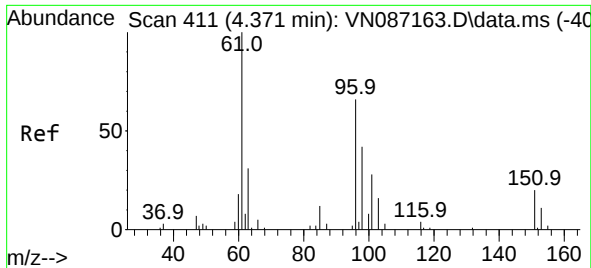
Tgt Ion:101 Resp: 82490  
 Ion Ratio Lower Upper  
 101 100  
 103 63.0 51.8 77.8



#8  
 Diethyl Ether  
 Concen: 9.022 ug/l  
 RT: 3.954 min Scan# 340  
 Delta R.T. -0.029 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

Tgt Ion: 74 Resp: 16843  
 Ion Ratio Lower Upper  
 74 100  
 45 201.6 19.0 171.0#

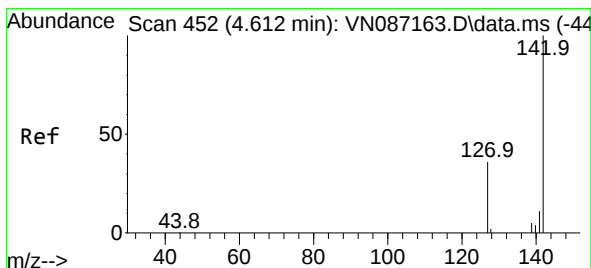
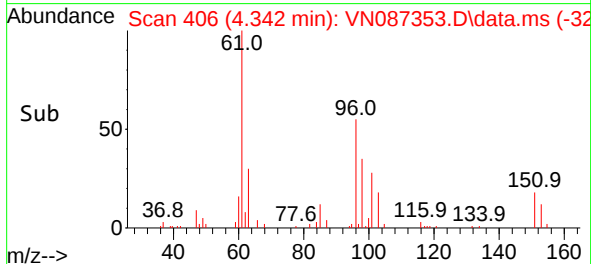
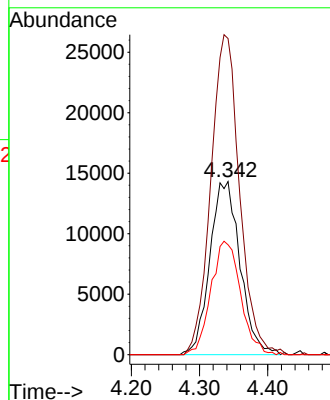
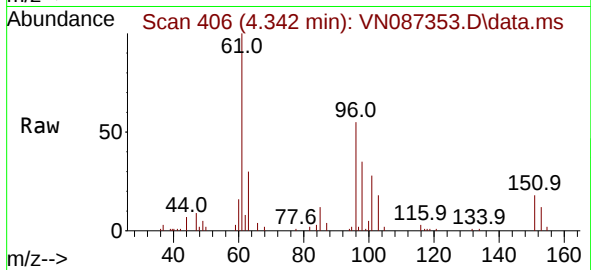




#10  
1,1-Dichloroethene  
Concen: 15.708 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

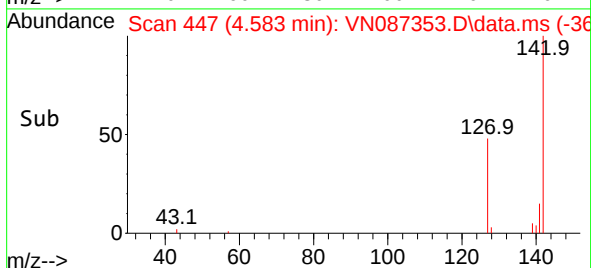
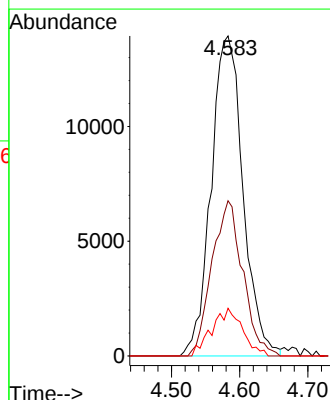
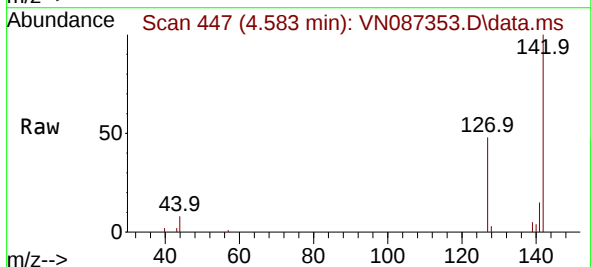
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

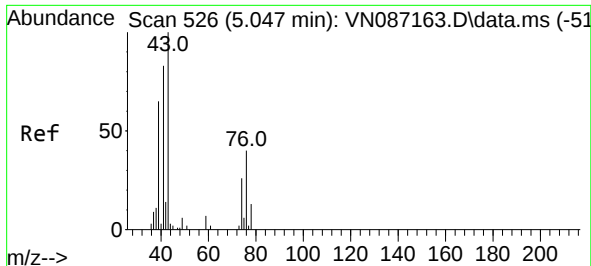
Tgt Ion: 96 Resp: 44111  
Ion Ratio Lower Upper  
96 100  
61 182.6 122.0 183.0  
98 63.5 50.3 75.5



#11  
Methyl Iodide  
Concen: 18.048 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 142 Resp: 45406  
Ion Ratio Lower Upper  
142 100  
127 49.0 18.1 54.1  
141 15.1 5.7 17.1

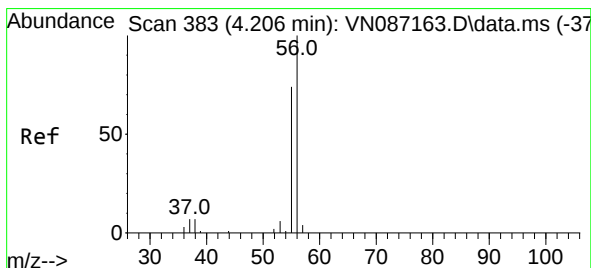
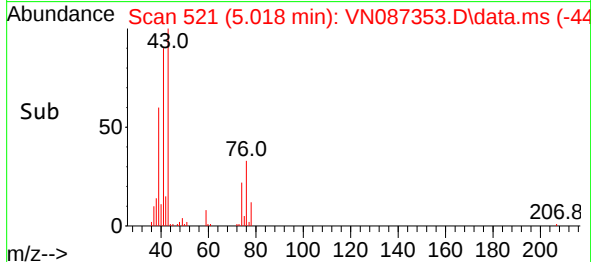
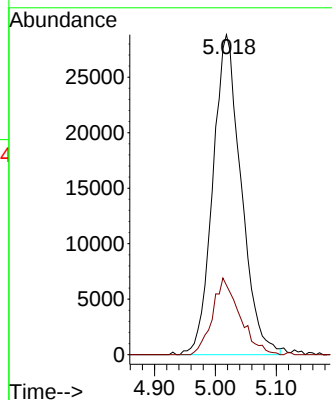
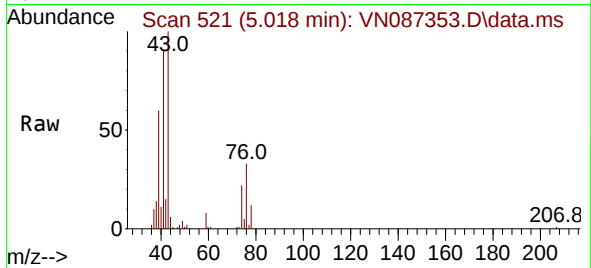




#12  
Methyl Acetate  
Concen: 21.184 ug/l  
RT: 5.018 min Scan# 51  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

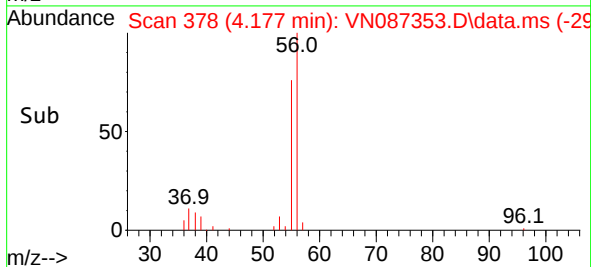
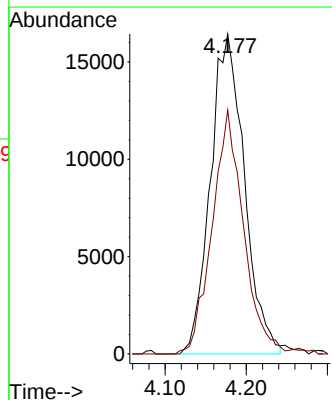
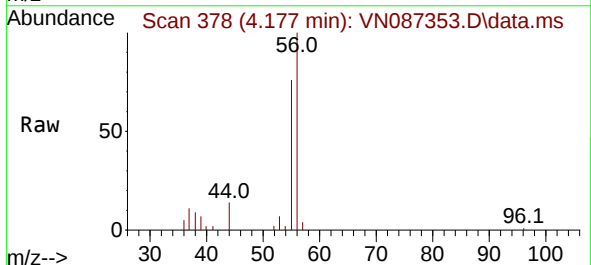
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

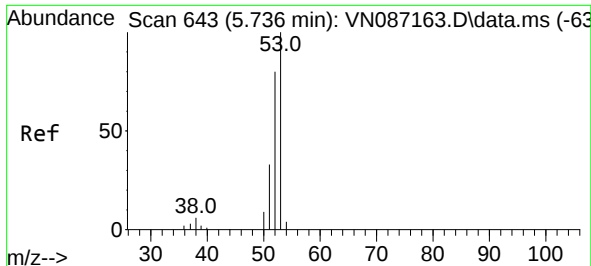
Tgt Ion: 43 Resp: 93314  
Ion Ratio Lower Upper  
43 100  
74 21.9 20.3 30.5



#13  
Acrolein  
Concen: 70.510 ug/l  
RT: 4.177 min Scan# 378  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 56 Resp: 47724  
Ion Ratio Lower Upper  
56 100  
55 70.2 55.7 83.5

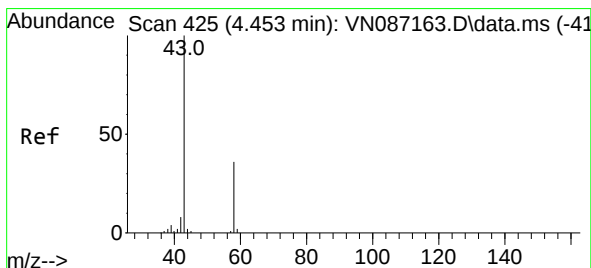
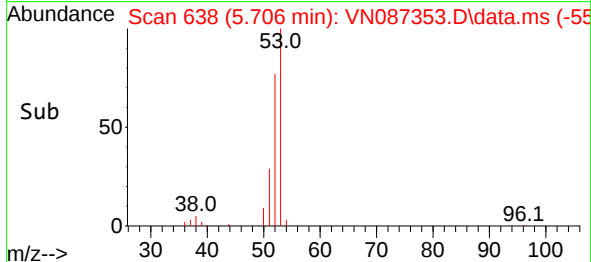
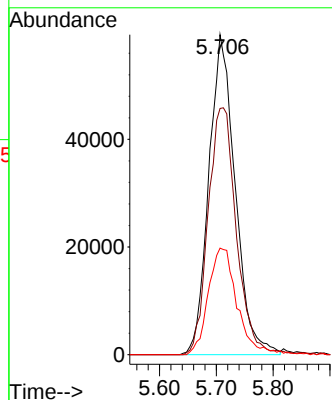
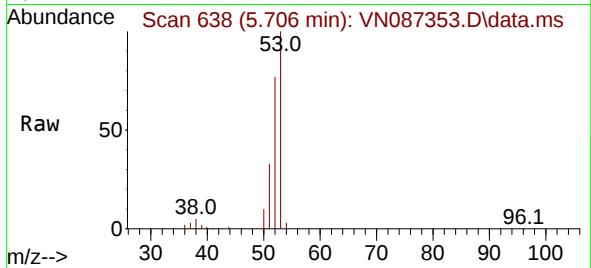




#14  
Acrylonitrile  
Concen: 93.047 ug/l  
RT: 5.706 min Scan# 61  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

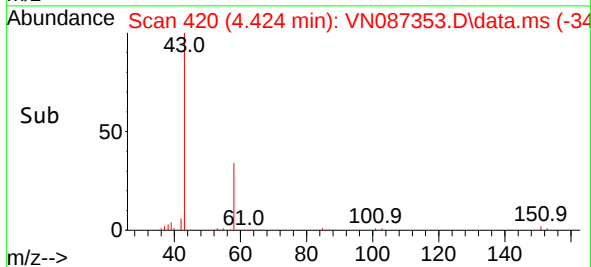
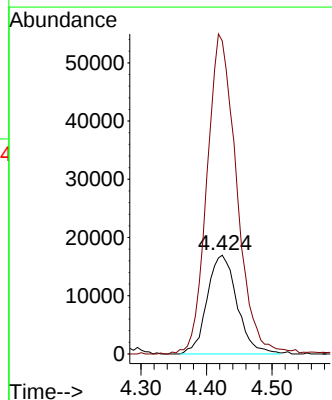
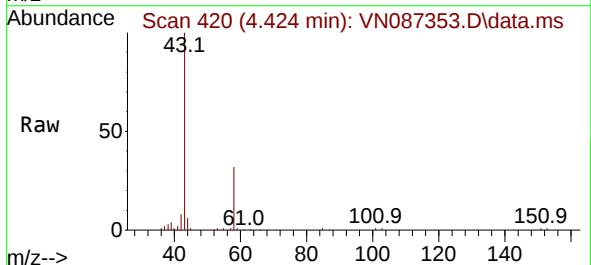
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

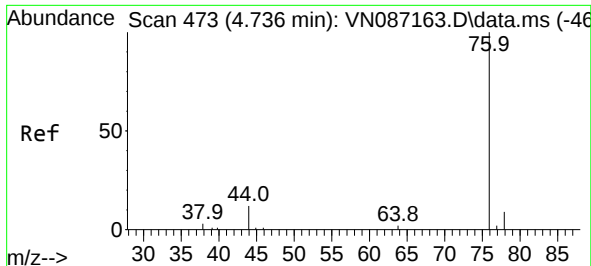
Tgt Ion: 53 Resp: 191174  
Ion Ratio Lower Upper  
53 100  
52 81.9 40.5 121.5  
51 35.3 16.9 50.7



#15  
Acetone  
Concen: 89.609 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 58 Resp: 53705  
Ion Ratio Lower Upper  
58 100  
43 312.9 224.3 336.5

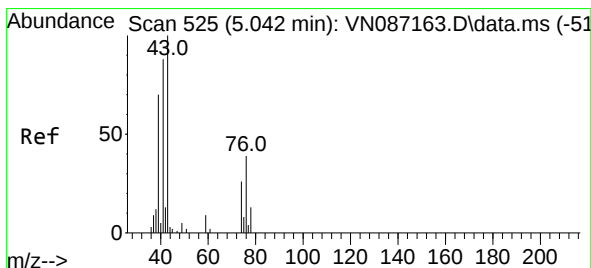
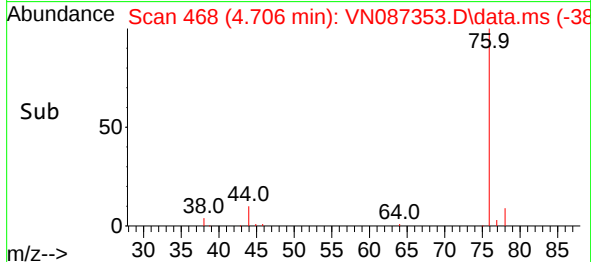
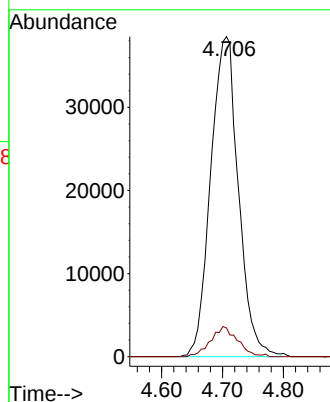
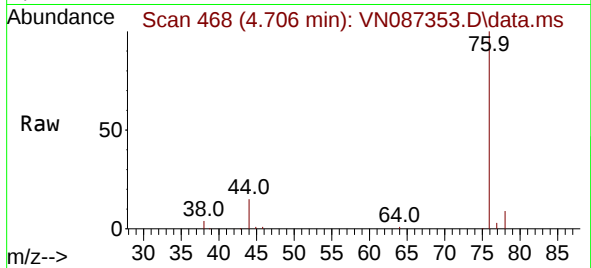




#16  
Carbon Disulfide  
Concen: 14.829 ug/l  
RT: 4.706 min Scan# 41  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

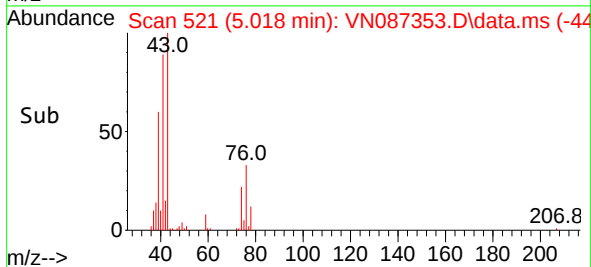
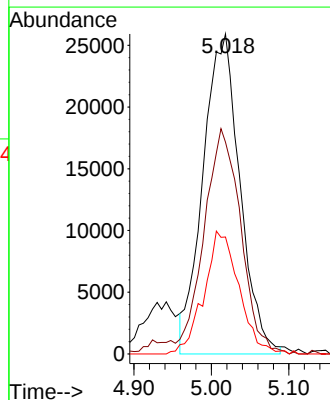
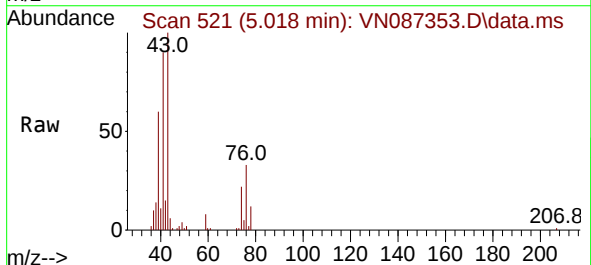
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

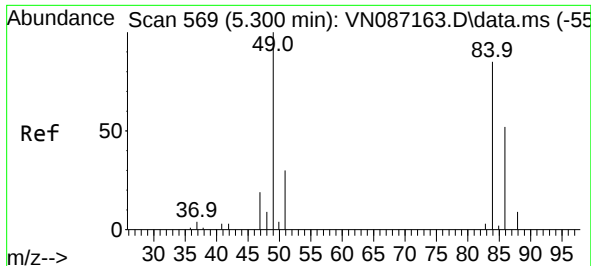
Tgt Ion: 76 Resp: 121756  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8



#17  
Allyl chloride  
Concen: 18.523 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 41 Resp: 85793  
Ion Ratio Lower Upper  
41 100  
39 66.5 36.0 108.0  
76 36.5 19.5 58.5



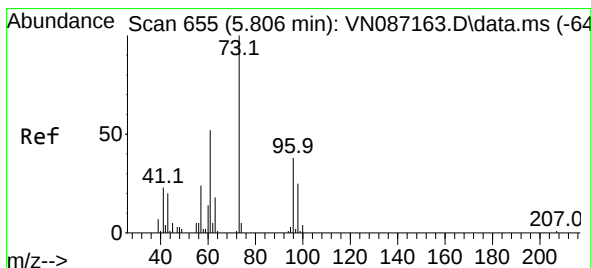
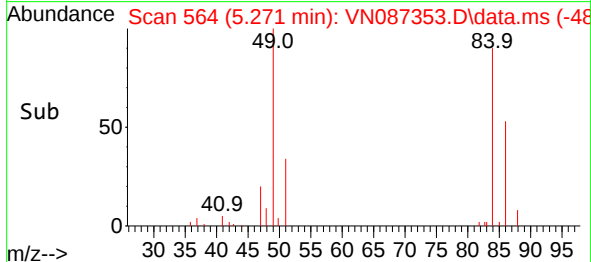
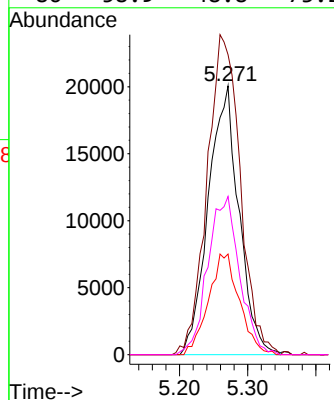
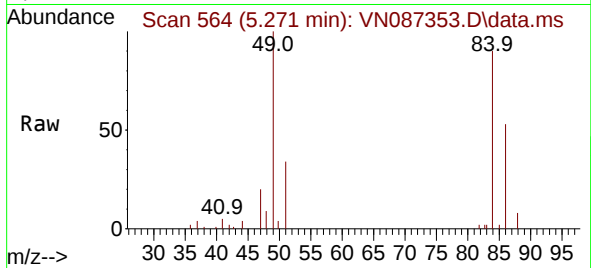


#18  
Methylene Chloride  
Concen: 19.279 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 84 Resp: 62718

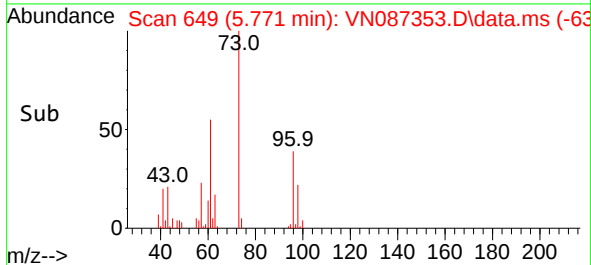
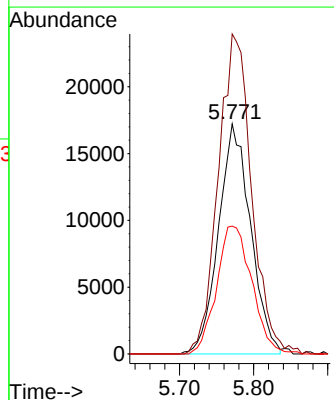
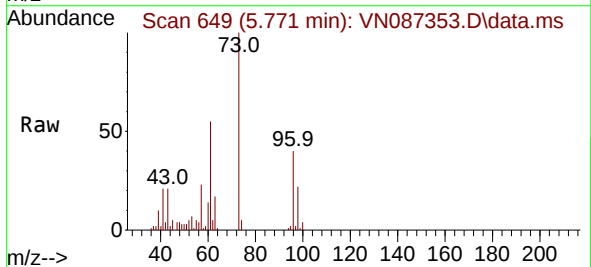
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 111.6 | 94.0  | 141.0 |
| 51  | 37.5  | 28.3  | 42.5  |
| 86  | 58.9  | 48.8  | 73.2  |

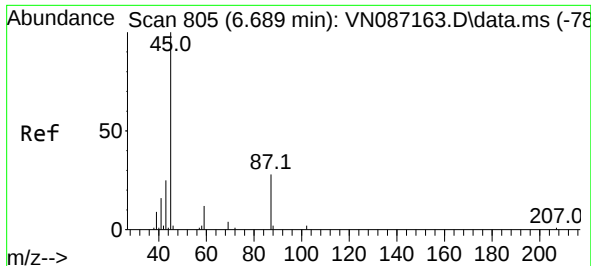


#19  
trans-1,2-Dichloroethene  
Concen: 16.843 ug/l  
RT: 5.771 min Scan# 649  
Delta R.T. -0.035 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 96 Resp: 51726

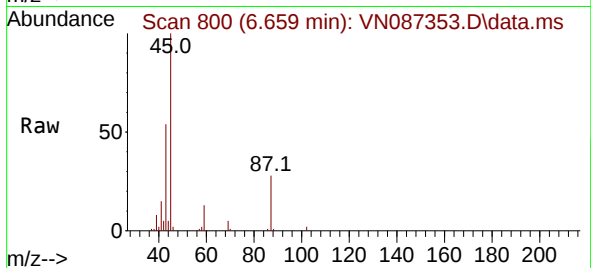
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 139.1 | 110.3 | 165.5 |
| 98  | 55.6  | 51.6  | 77.4  |



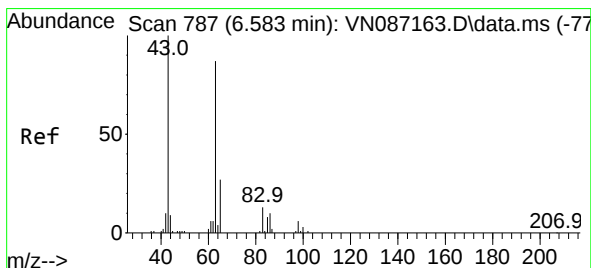
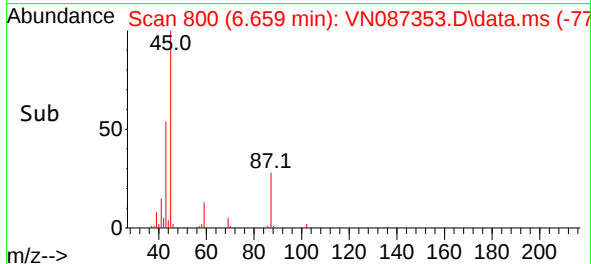
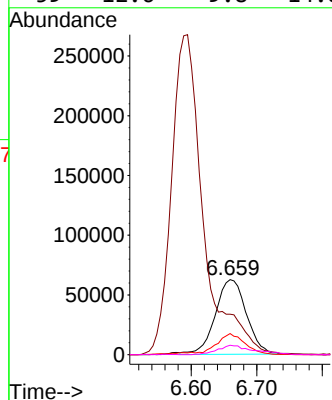


#20  
Diisopropyl ether  
Concen: 20.878 ug/l  
RT: 6.659 min Scan# 805  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

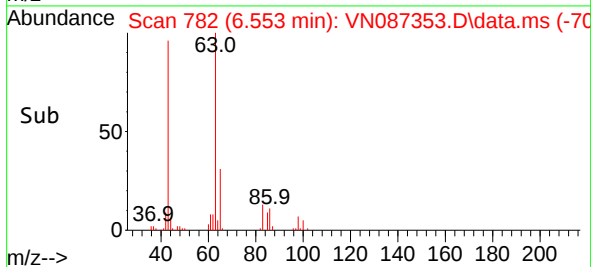
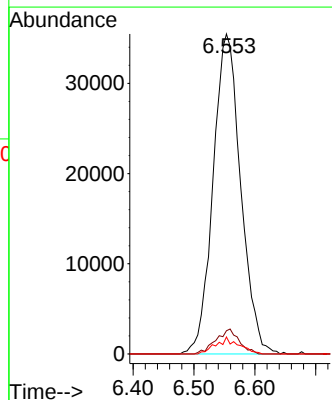
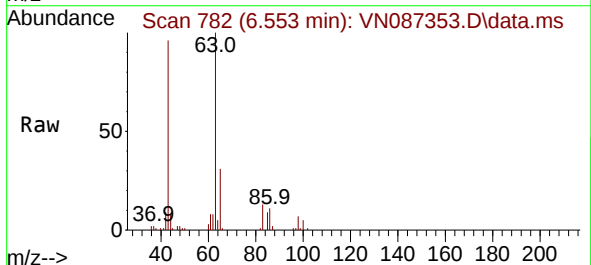


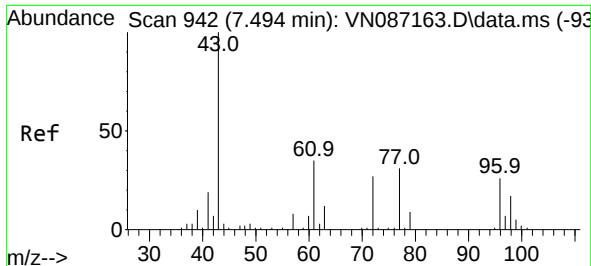
| Tgt Ion:  | 45   | Resp: | 205164 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 52.6 | 45.3  | 67.9   |
| 87        | 28.0 | 22.6  | 33.8   |
| 59        | 12.6 | 9.8   | 14.8   |



#21  
1,1-Dichloroethane  
Concen: 19.029 ug/l  
RT: 6.553 min Scan# 782  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

| Tgt Ion:  | 63  | Resp: | 111760 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 98        | 7.2 | 3.5   | 10.4   |
| 100       | 5.3 | 2.0   | 5.8    |



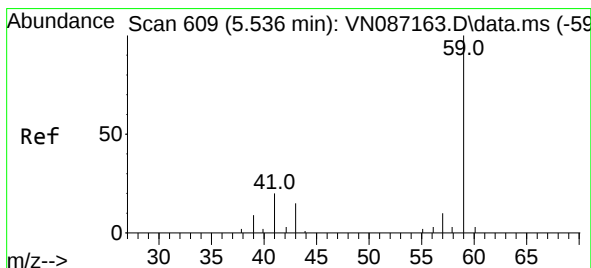
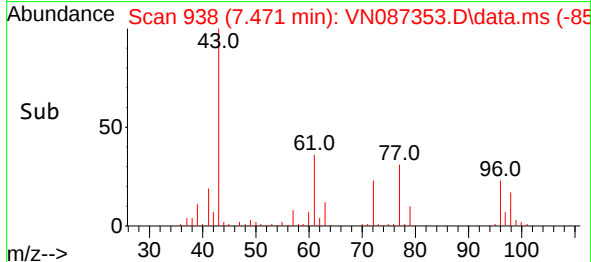
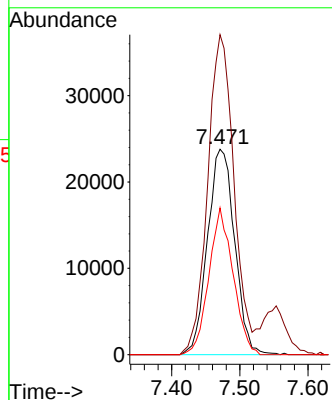
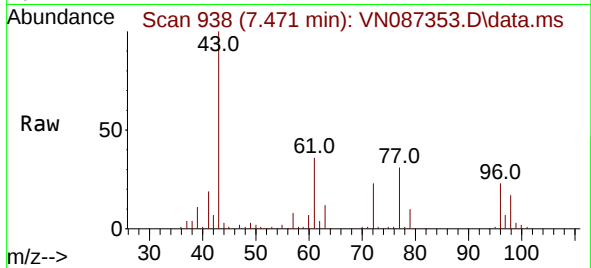


#22  
 cis-1,2-Dichloroethene  
 Concen: 18.471 ug/l  
 RT: 7.471 min Scan# 91  
 Delta R.T. -0.023 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Tgt Ion: 96 Resp: 66017  

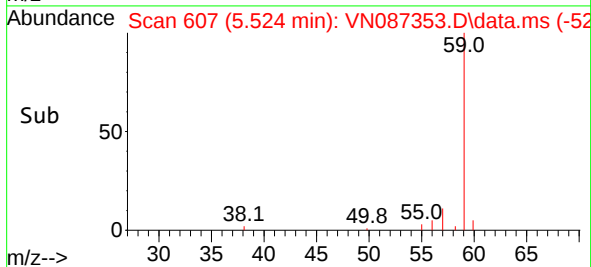
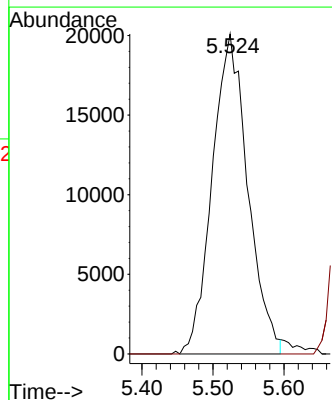
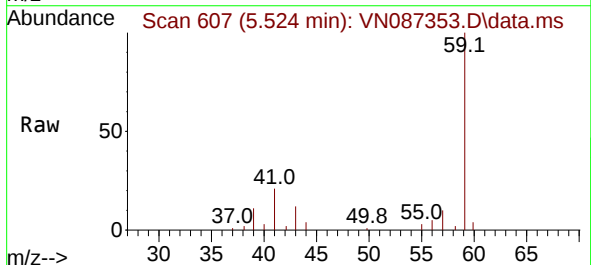
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 150.2 | 119.2 | 178.8 |
| 98  | 63.7  | 50.6  | 75.8  |

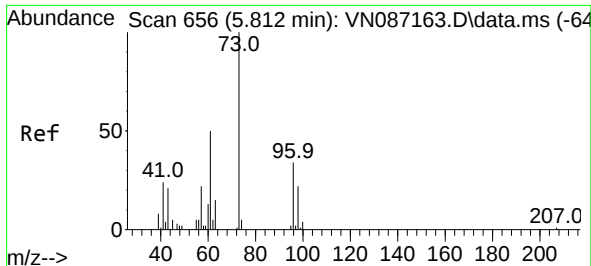


#23  
 tert-Butyl Alcohol  
 Concen: 90.368 ug/l  
 RT: 5.524 min Scan# 607  
 Delta R.T. -0.012 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

Tgt Ion: 59 Resp: 69826  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 59  | 100   |       |       |
| 52  | 0.0   | 0.0   | 0.0   |

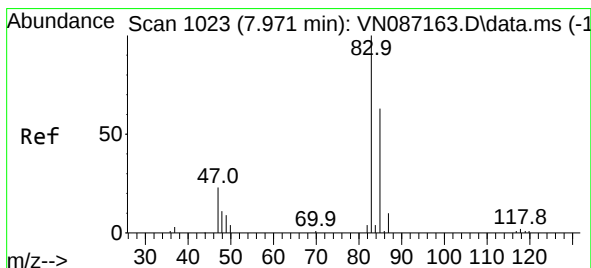
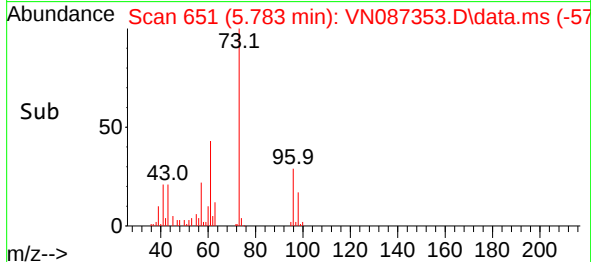
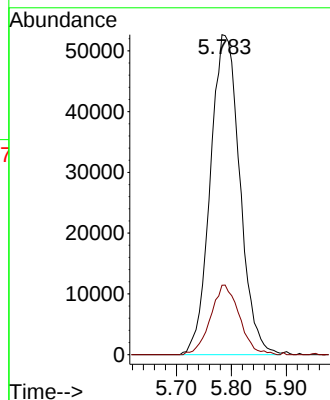
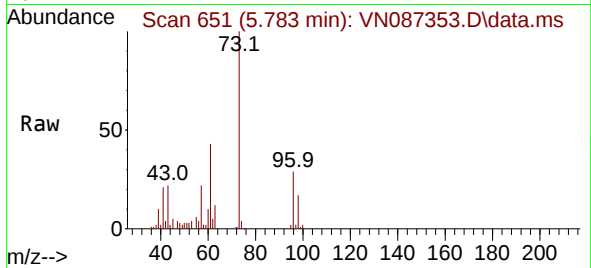




#24  
Methyl tert-Butyl Ether  
Concen: 19.914 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

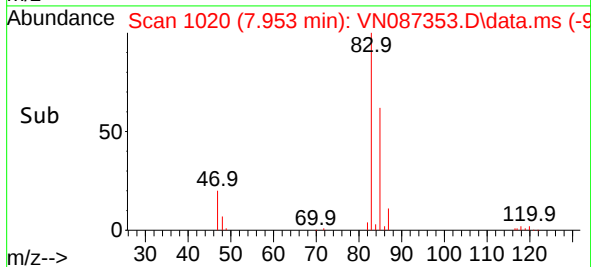
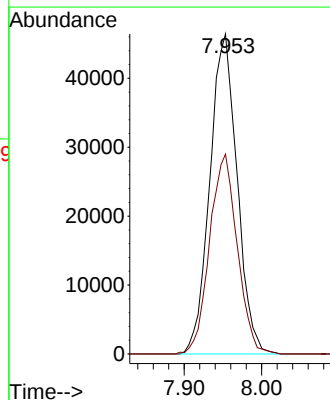
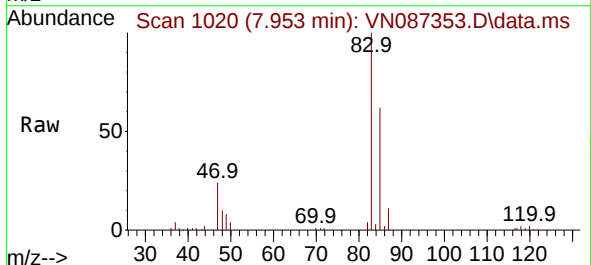
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

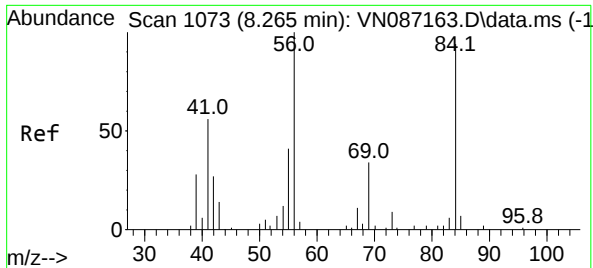
Tgt Ion: 73 Resp: 196135  
Ion Ratio Lower Upper  
73 100  
43 21.3 16.4 24.6



#25  
Chloroform  
Concen: 20.210 ug/l  
RT: 7.953 min Scan# 1020  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 83 Resp: 113716  
Ion Ratio Lower Upper  
83 100  
85 62.4 50.7 76.1

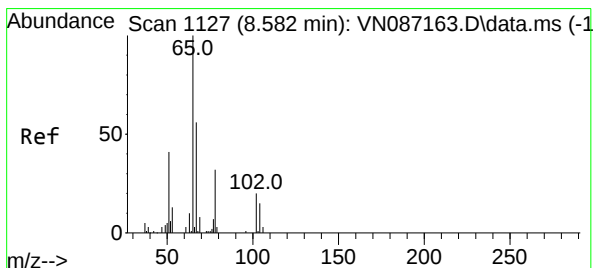
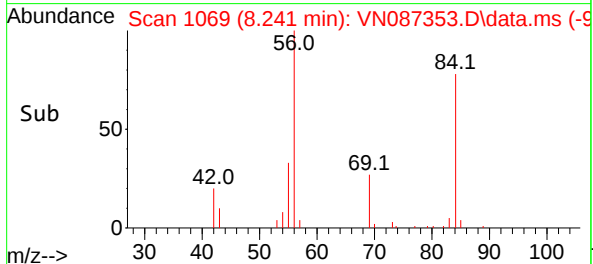
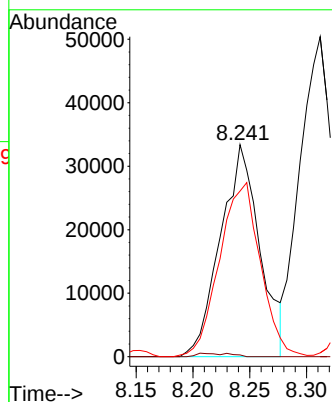
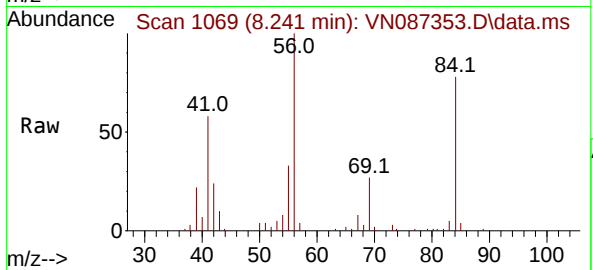




#26  
Cyclohexane  
Concen: 16.454 ug/l  
RT: 8.241 min Scan# 1107  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

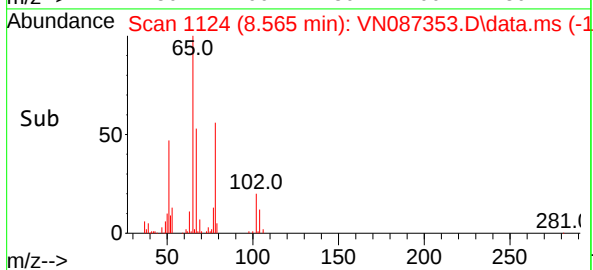
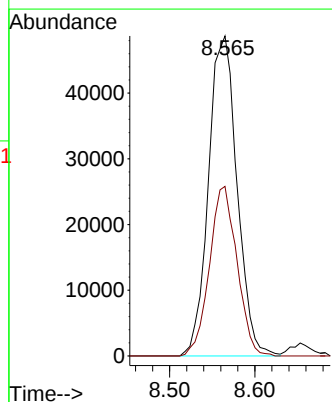
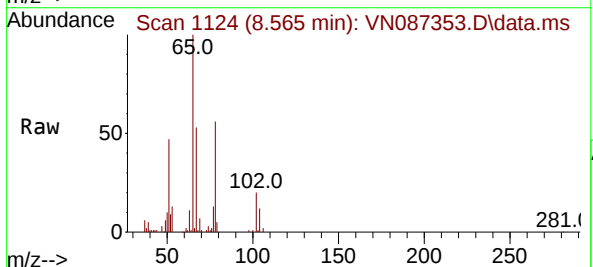
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

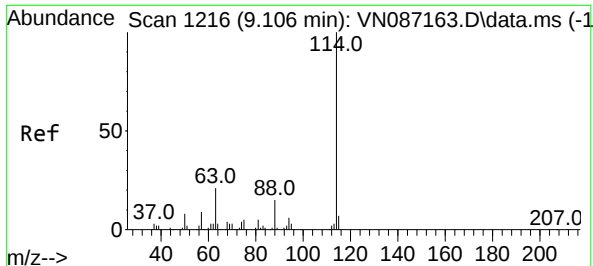
Tgt Ion: 56 Resp: 80329  
Ion Ratio Lower Upper  
56 100  
89 0.5 6.9 10.3#  
84 85.5 69.1 103.7



#27  
1,2-Dichloroethane-d4  
Concen: 32.525 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 65 Resp: 113605  
Ion Ratio Lower Upper  
65 100  
67 51.0 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

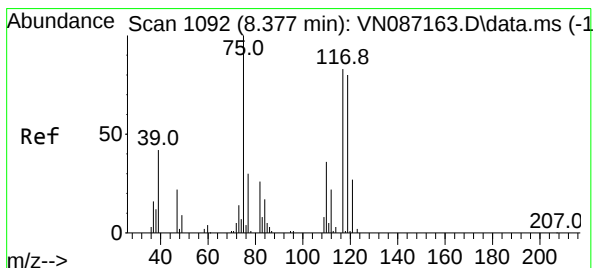
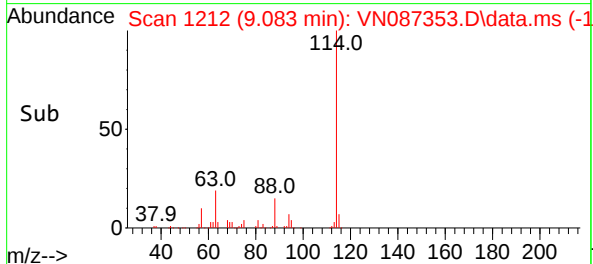
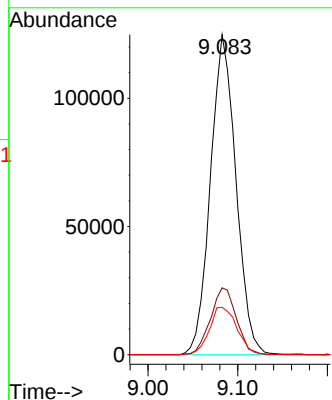
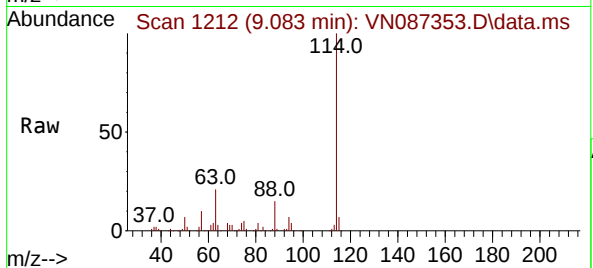
Tgt Ion:114 Resp: 246415

Ion Ratio Lower Upper

114 100

63 21.2 17.0 25.4

88 16.0 12.6 19.0



#29

1,1-Dichloropropene

Concen: 19.096 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

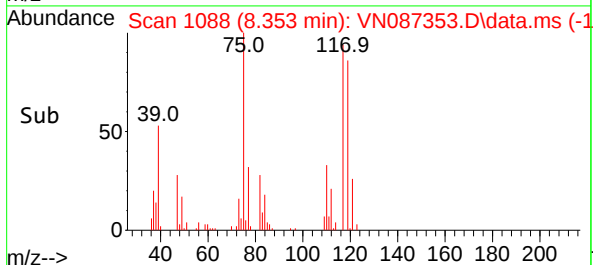
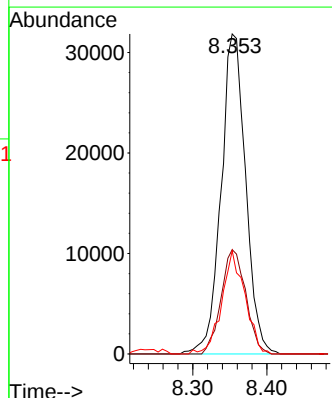
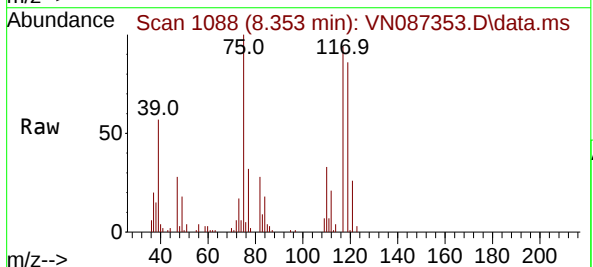
Tgt Ion: 75 Resp: 73342

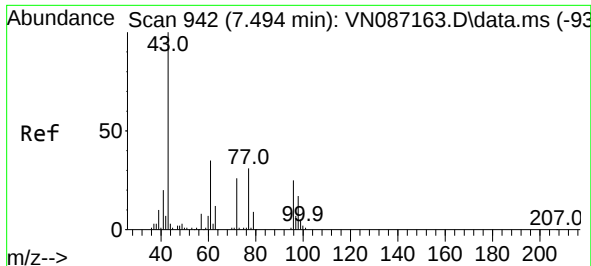
Ion Ratio Lower Upper

75 100

110 32.7 0.0 69.2

77 30.2 0.0 61.8

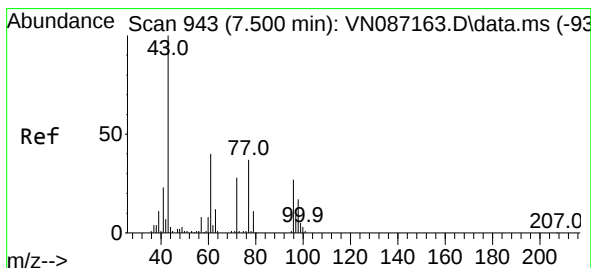
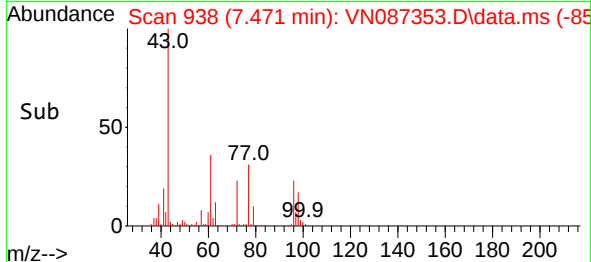
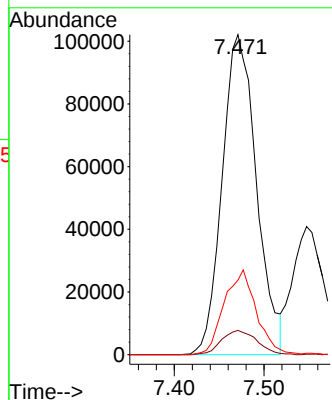
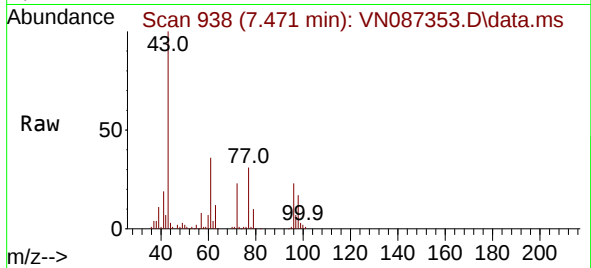




#30  
2-Butanone  
Concen: 104.734 ug/l  
RT: 7.471 min Scan# 91  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

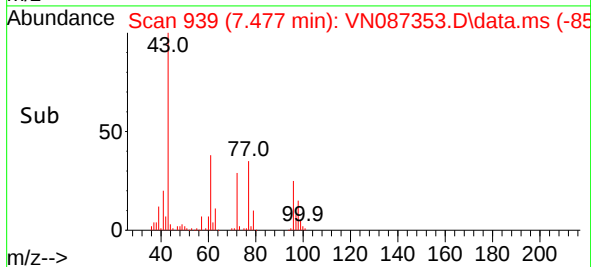
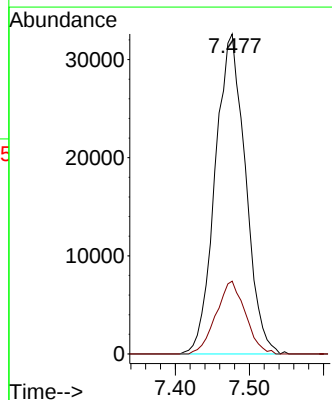
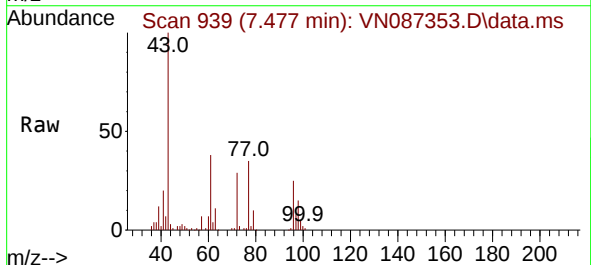
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

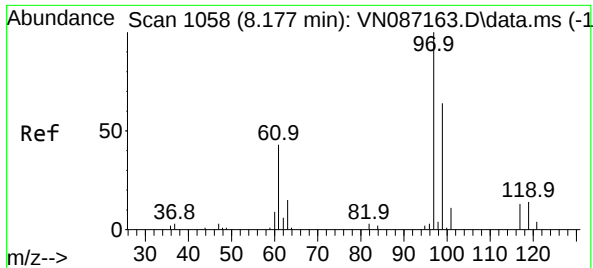
Tgt Ion: 43 Resp: 271343  
Ion Ratio Lower Upper  
43 100  
57 7.9 6.3 9.5  
72 24.9 21.8 32.6



#31  
2,2-Dichloropropane  
Concen: 19.929 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 77 Resp: 92394  
Ion Ratio Lower Upper  
77 100  
97 22.1 18.4 27.6

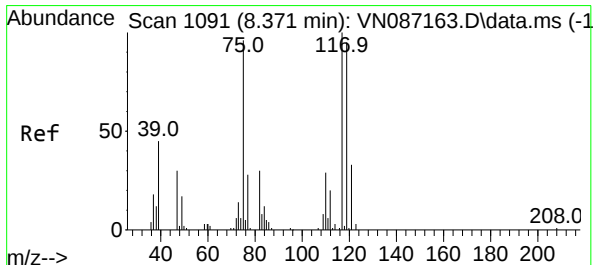
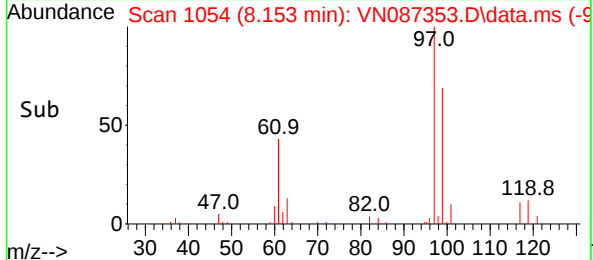
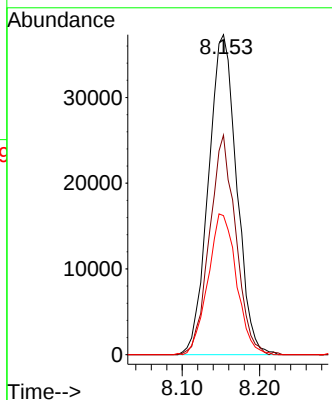
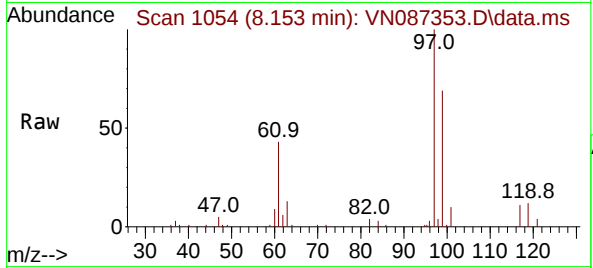




#32  
 1,1,1-Trichloroethane  
 Concen: 21.058 ug/l  
 RT: 8.153 min Scan# 1054  
 Delta R.T. -0.023 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

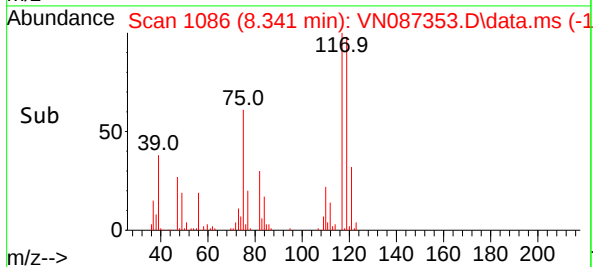
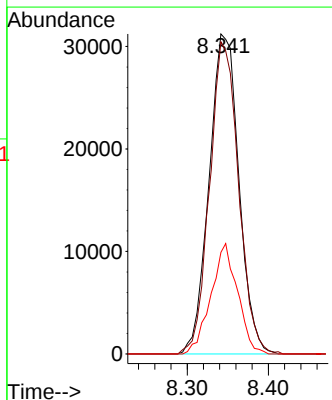
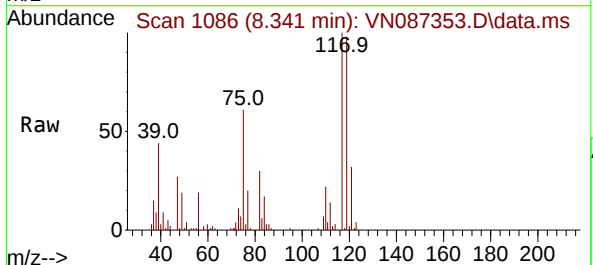
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

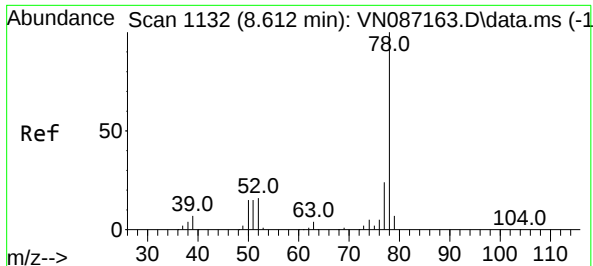
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 94489 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.7  | 50.8  | 76.2  |
| 61       | 44.4  | 36.1  | 54.1  |



#33  
 Carbon Tetrachloride  
 Concen: 21.079 ug/l  
 RT: 8.341 min Scan# 1086  
 Delta R.T. -0.029 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 79595 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.6  | 75.8  | 113.6 |
| 121      | 31.7  | 26.2  | 39.4  |

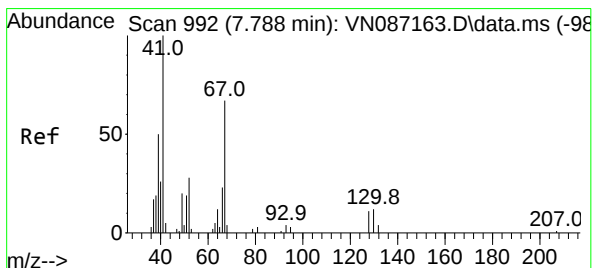
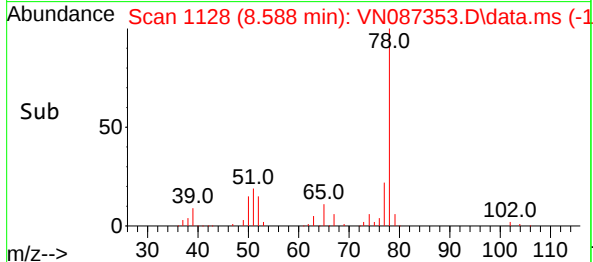
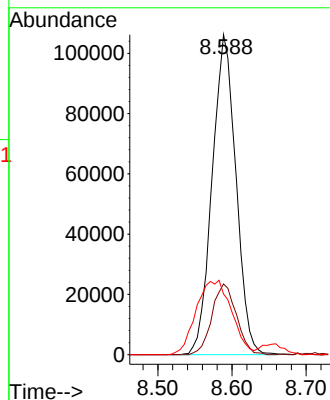
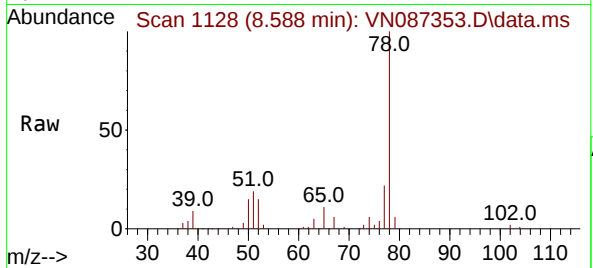




#34  
Benzene  
Concen: 19.473 ug/l  
RT: 8.588 min Scan# 1132  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

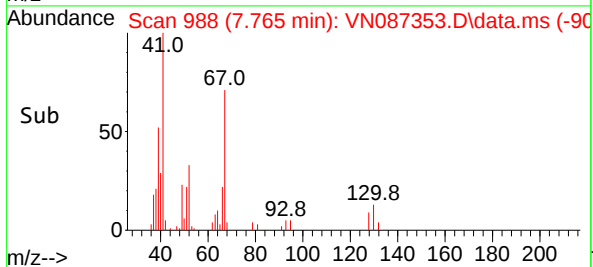
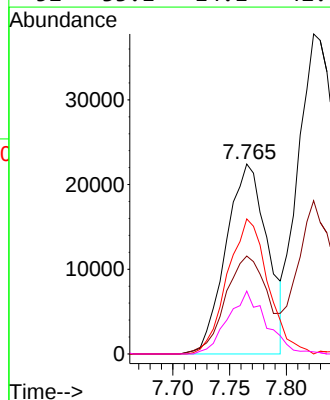
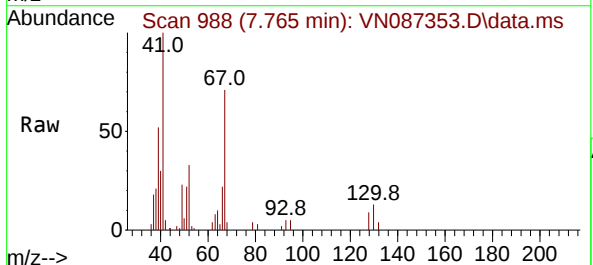
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

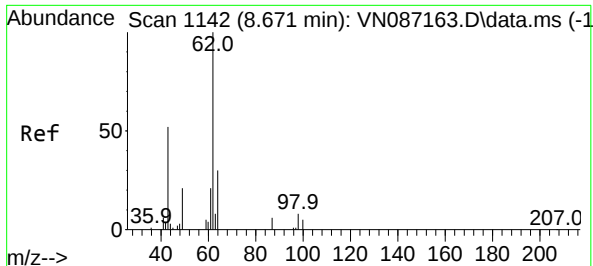
Tgt Ion: 78 Resp: 236944  
Ion Ratio Lower Upper  
78 100  
77 22.1 19.5 29.3  
51 17.5 14.8 22.2



#35  
Methacrylonitrile  
Concen: 21.818 ug/l  
RT: 7.765 min Scan# 988  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 41 Resp: 56967  
Ion Ratio Lower Upper  
41 100  
39 51.6 24.4 73.2  
67 71.1 33.3 99.8  
52 33.1 14.1 42.4

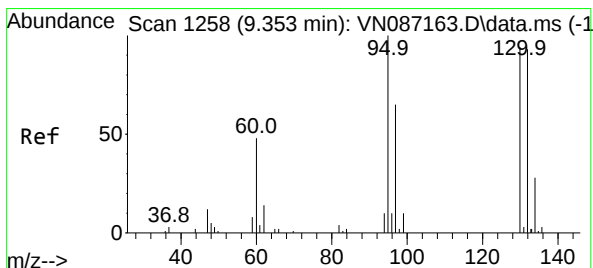
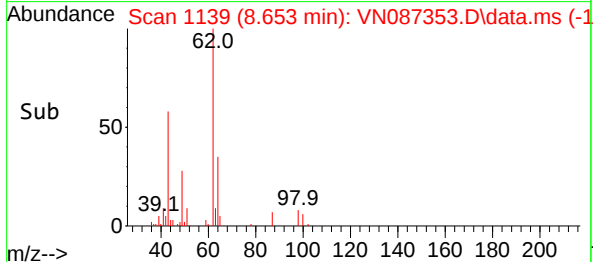
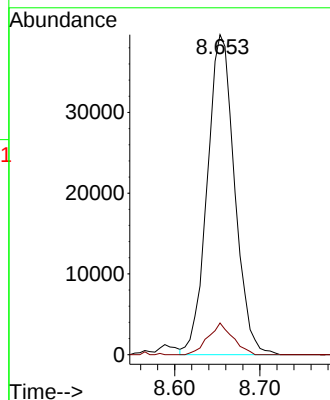
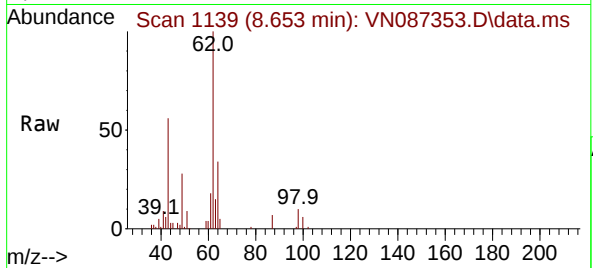




#36  
1,2-Dichloroethane  
Concen: 22.510 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

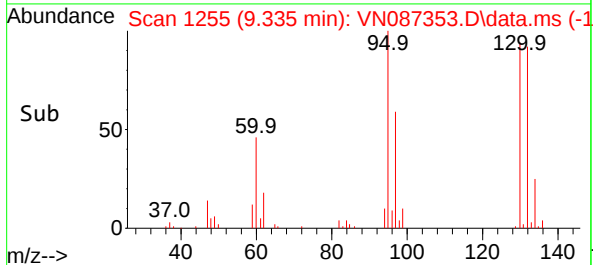
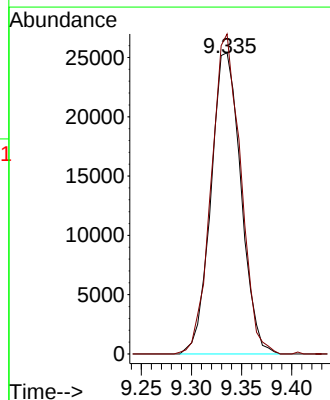
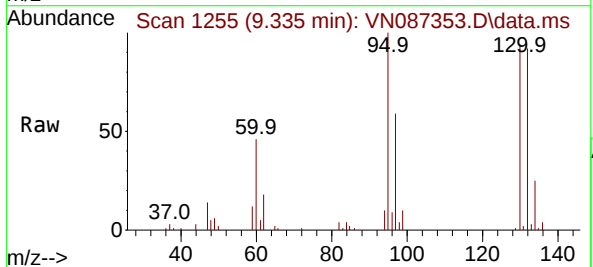
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

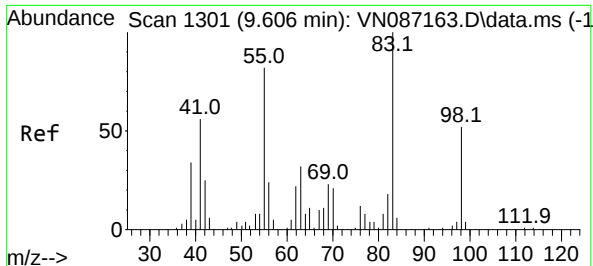
Tgt Ion: 62 Resp: 88492  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.2 10.8



#37  
Trichloroethene  
Concen: 18.781 ug/l  
RT: 9.335 min Scan# 1255  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion:130 Resp: 52709  
Ion Ratio Lower Upper  
130 100  
95 106.2 85.3 127.9





#38

Methylcyclohexane

Concen: 18.137 ug/l

RT: 9.583 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

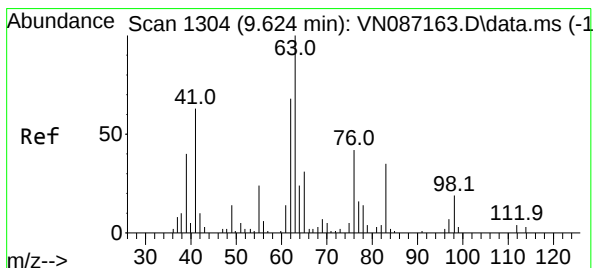
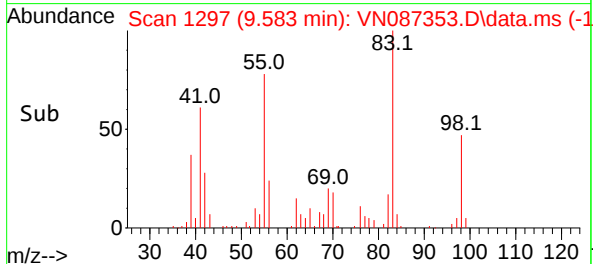
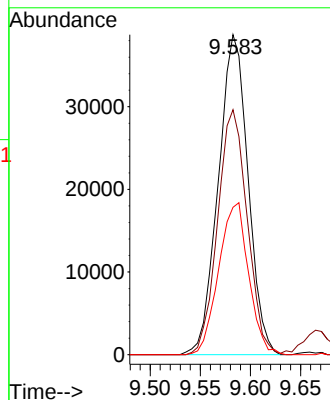
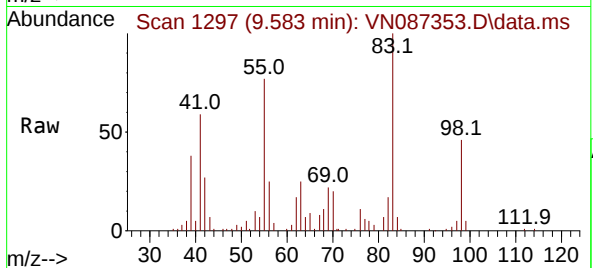
Tgt Ion: 83 Resp: 79927

Ion Ratio Lower Upper

83 100

55 76.1 40.1 120.2

98 47.7 24.4 73.2



#39

1,2-Dichloropropane

Concen: 20.373 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.023 min

Lab File: VN087353.D

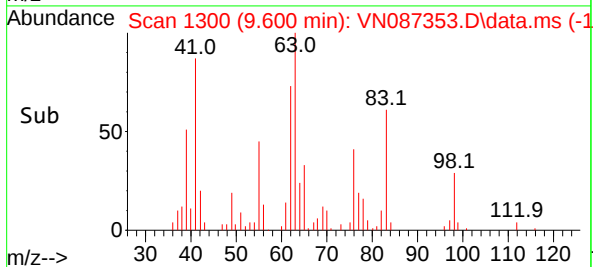
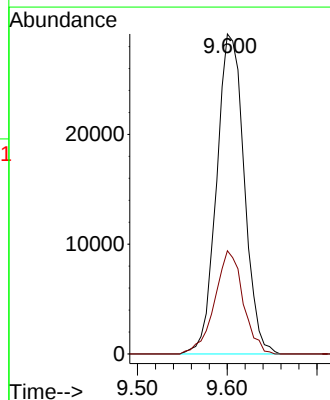
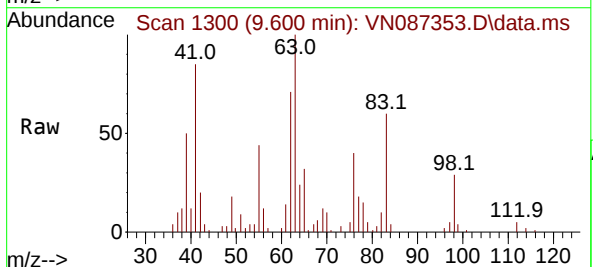
Acq: 18 Jul 2025 09:15

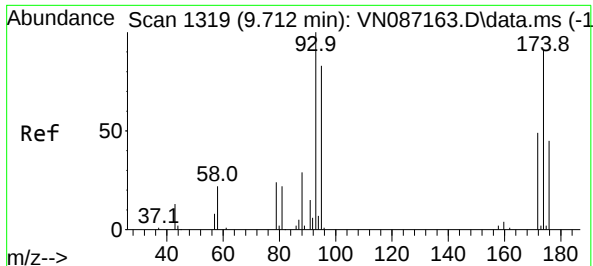
Tgt Ion: 63 Resp: 62218

Ion Ratio Lower Upper

63 100

65 32.2 24.6 36.8





#40

Dibromomethane

Concen: 21.197 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

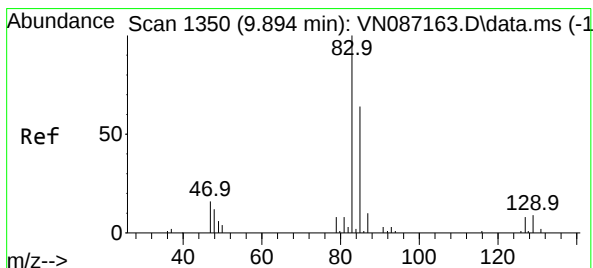
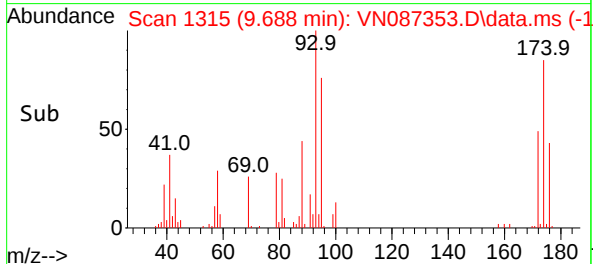
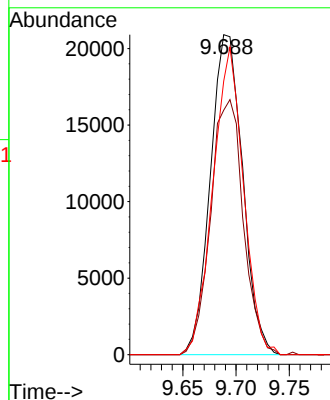
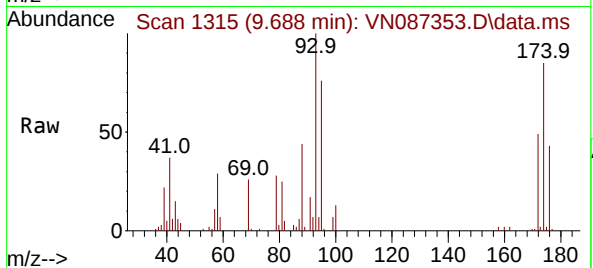
Tgt Ion: 93 Resp: 44019

Ion Ratio Lower Upper

93 100

95 80.8 0.0 170.8

174 91.2 0.0 176.6



#41

Bromodichloromethane

Concen: 21.852 ug/l

RT: 9.871 min Scan# 1346

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

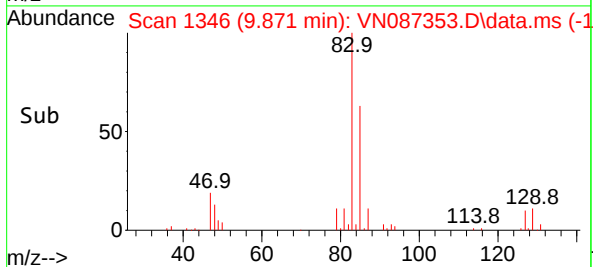
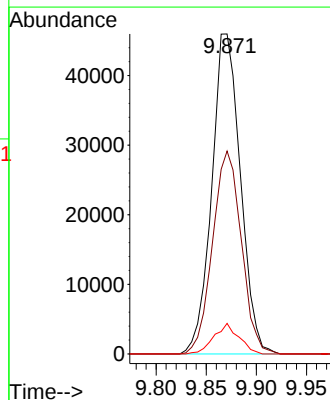
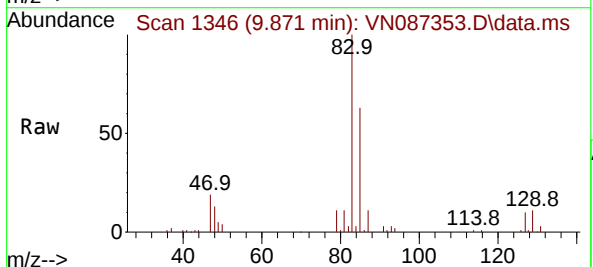
Tgt Ion: 83 Resp: 91595

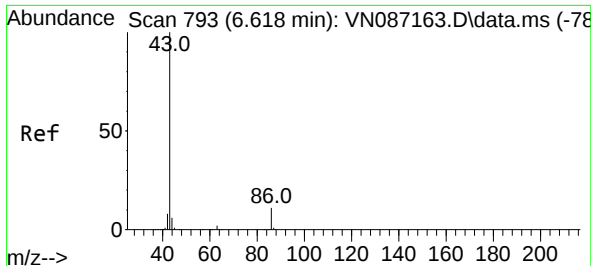
Ion Ratio Lower Upper

83 100

85 63.4 51.4 77.2

127 9.6 6.1 9.1#

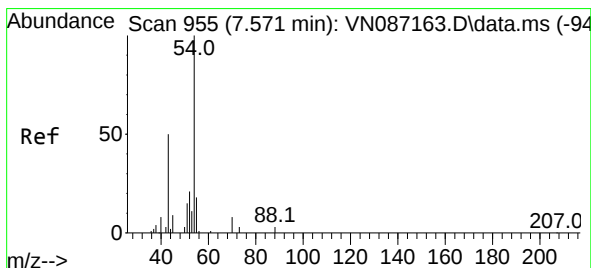
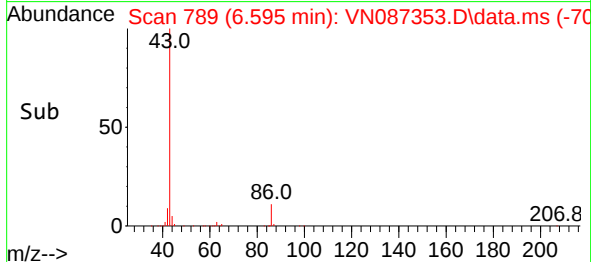
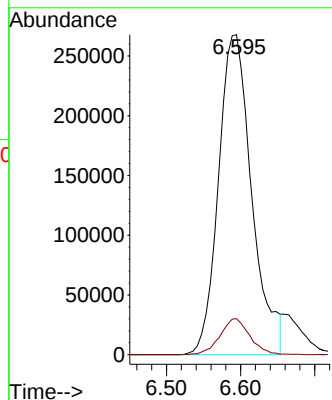
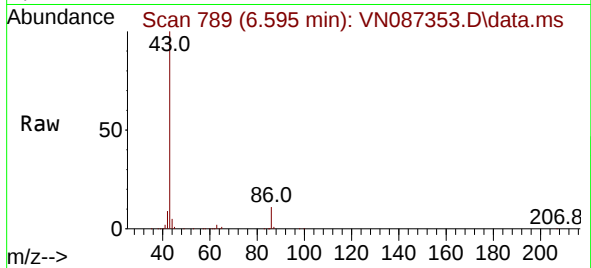




#42  
 Vinyl Acetate  
 Concen: 99.305 ug/l  
 RT: 6.595 min Scan# 793  
 Delta R.T. -0.023 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

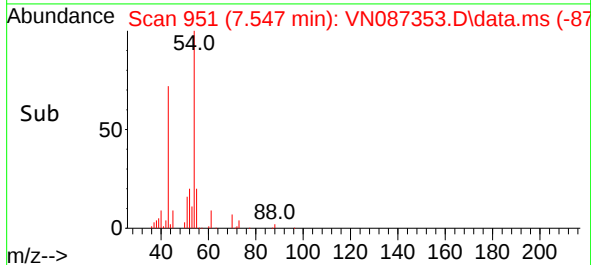
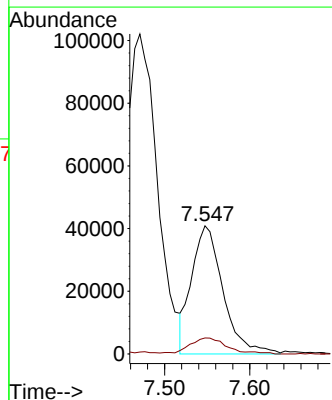
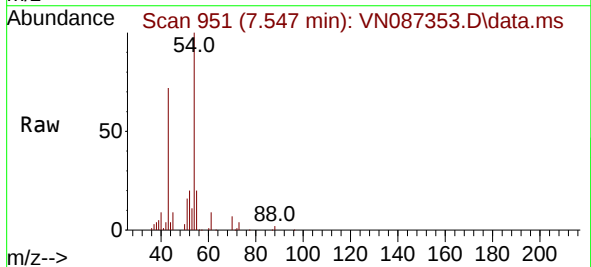
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

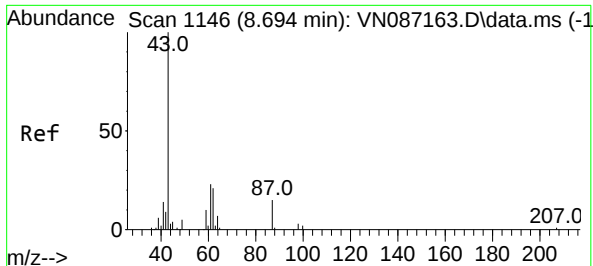
Tgt Ion: 43 Resp: 836803  
 Ion Ratio Lower Upper  
 43 100  
 86 10.0 7.7 11.5



#43  
 Ethyl Acetate  
 Concen: 22.371 ug/l  
 RT: 7.547 min Scan# 951  
 Delta R.T. -0.023 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

Tgt Ion: 43 Resp: 104626  
 Ion Ratio Lower Upper  
 43 100  
 45 12.1 11.5 17.3





#44

Isopropyl Acetate

Concen: 21.582 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

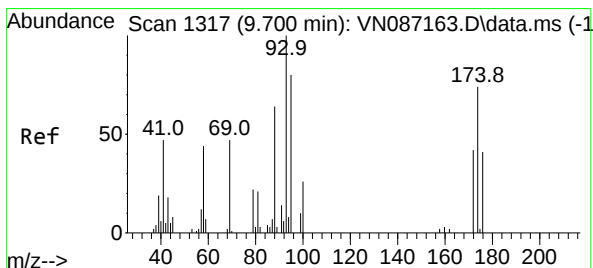
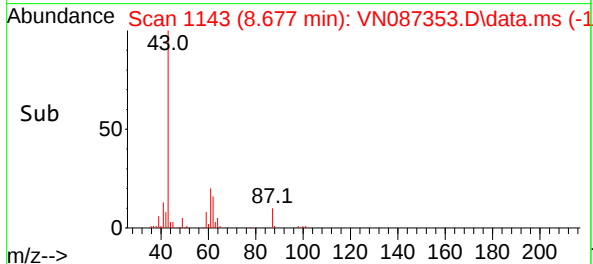
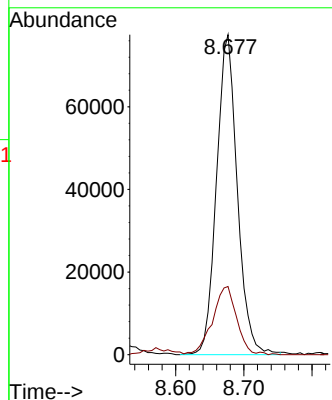
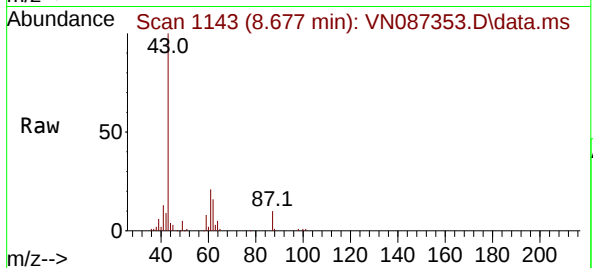
VSTDCCC020

Tgt Ion: 43 Resp: 164459

Ion Ratio Lower Upper

43 100

61 24.5 20.5 30.7



#45

1,4-Dioxane

Concen: 435.529 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

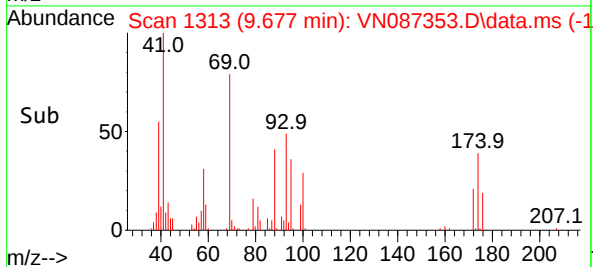
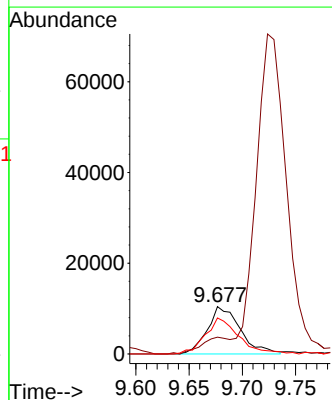
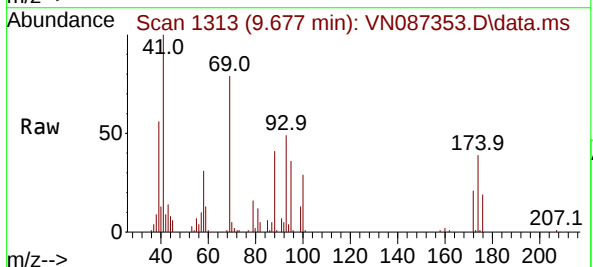
Tgt Ion: 88 Resp: 22450

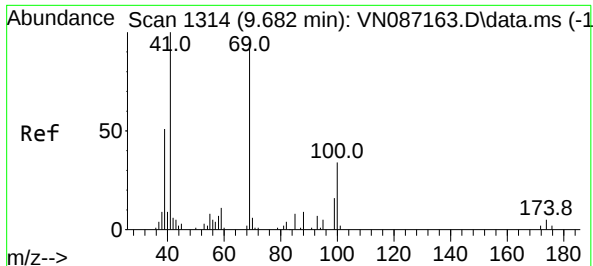
Ion Ratio Lower Upper

88 100

43 30.4 21.3 31.9

58 77.1 61.7 92.5





#46

Methyl methacrylate

Concen: 21.690 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

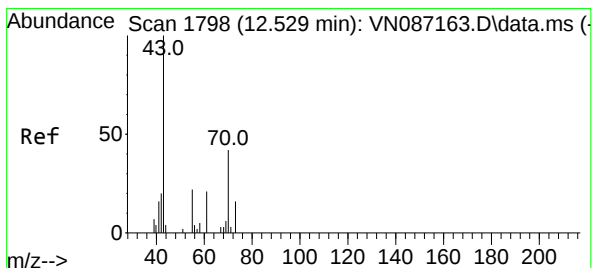
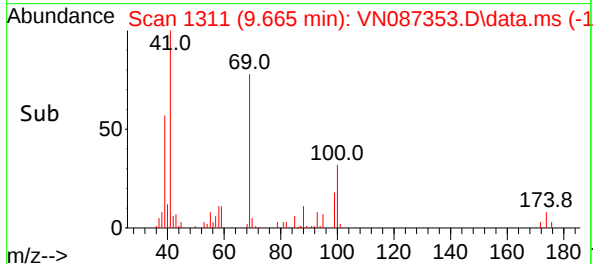
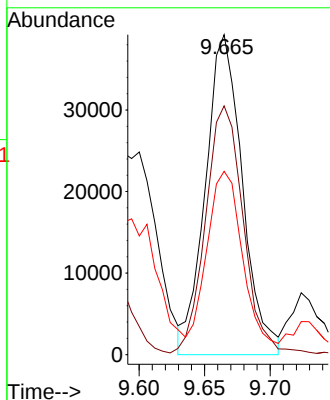
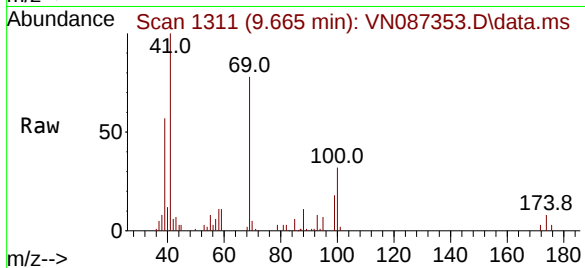
Tgt Ion: 41 Resp: 76833

Ion Ratio Lower Upper

41 100

69 80.4 45.6 136.9

39 56.9 26.2 78.5



#47

n-amy1 Acetate

Concen: 8.916 ug/l

RT: 12.518 min Scan# 1796

Delta R.T. -0.012 min

Lab File: VN087353.D

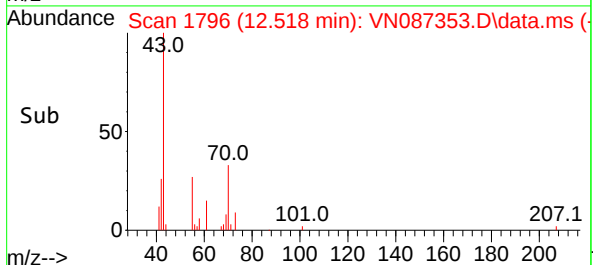
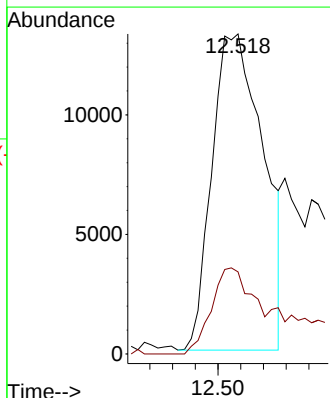
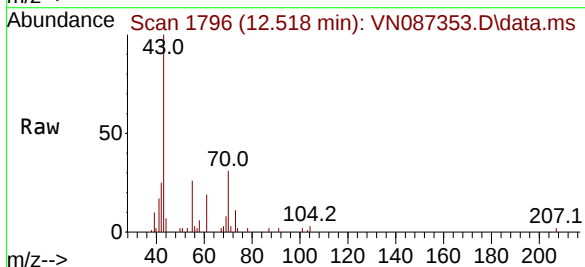
Acq: 18 Jul 2025 09:15

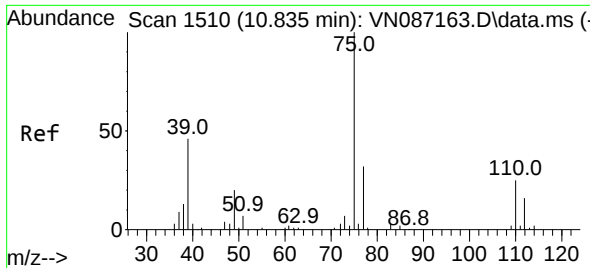
Tgt Ion: 43 Resp: 41539

Ion Ratio Lower Upper

43 100

55 19.0 0.0 0.0#

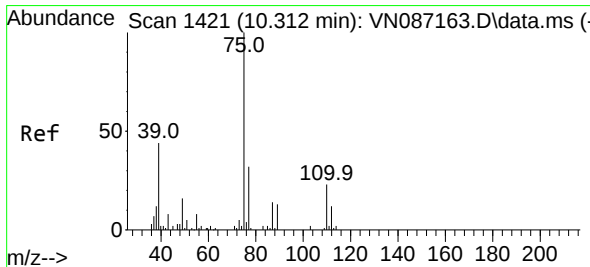
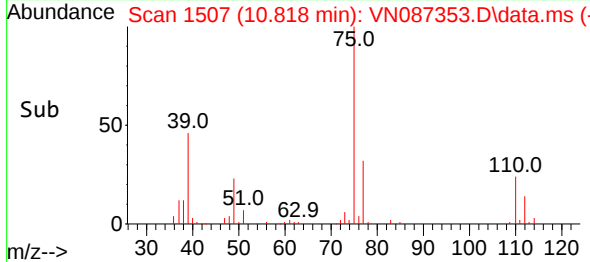
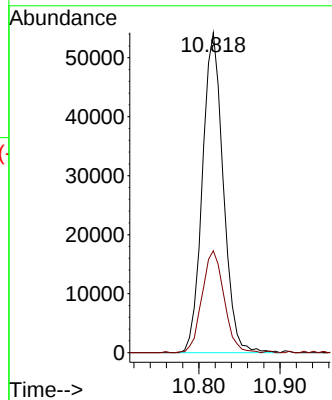
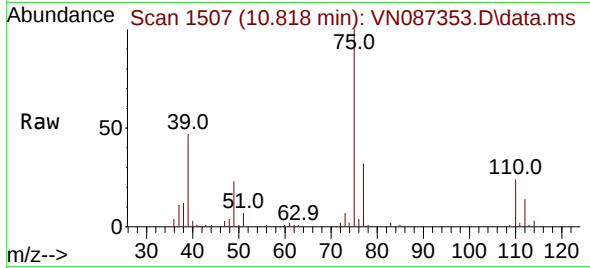




#48  
 t-1,3-Dichloropropene  
 Concen: 20.708 ug/l  
 RT: 10.818 min Scan# 11  
 Delta R.T. -0.018 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

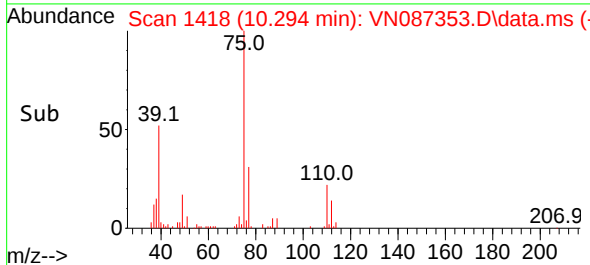
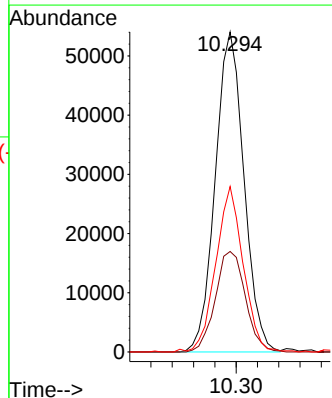
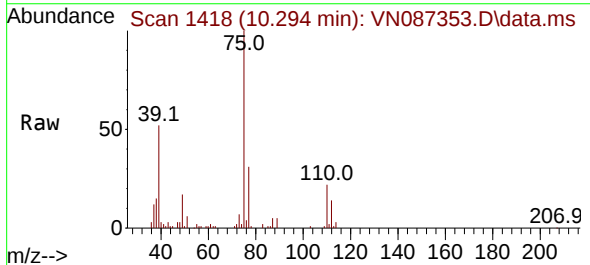
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 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

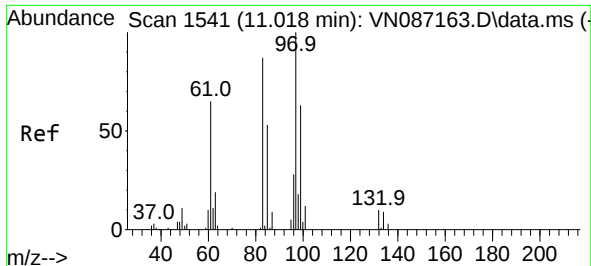
Tgt Ion: 75 Resp: 96762  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.4 38.0



#49  
 cis-1,3-Dichloropropene  
 Concen: 20.330 ug/l  
 RT: 10.294 min Scan# 1418  
 Delta R.T. -0.018 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

Tgt Ion: 75 Resp: 100992  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.4 38.2  
 39 51.4 35.3 52.9

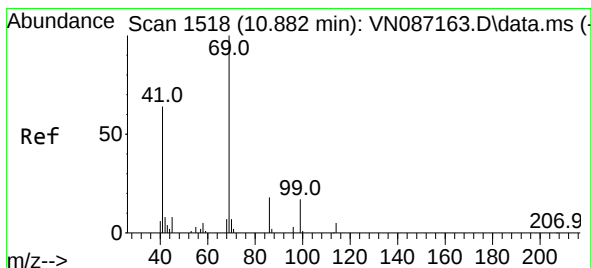
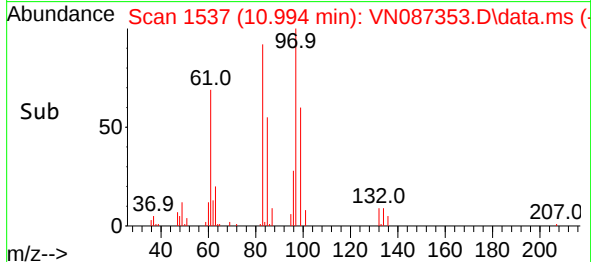
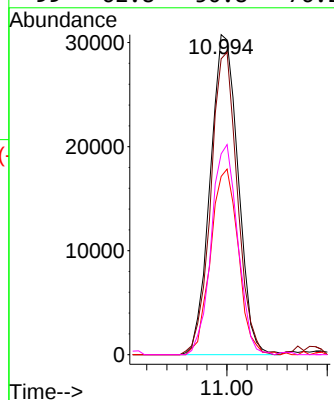
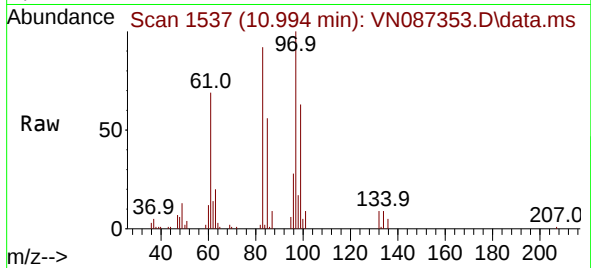




#50  
1,1,2-Trichloroethane  
Concen: 20.144 ug/l  
RT: 10.994 min Scan# 1513  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

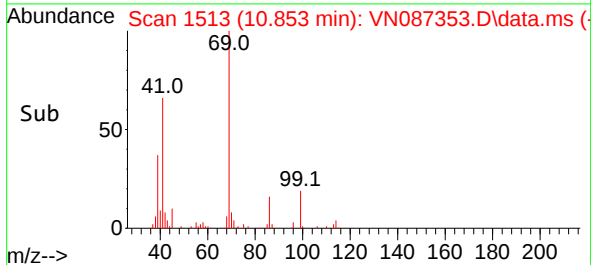
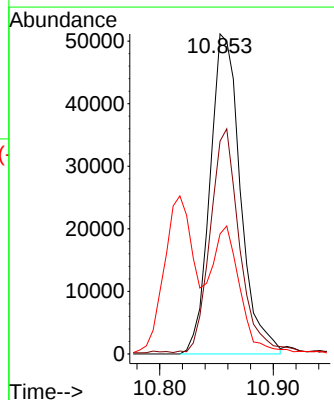
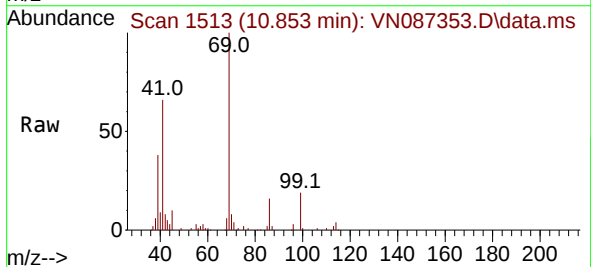
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

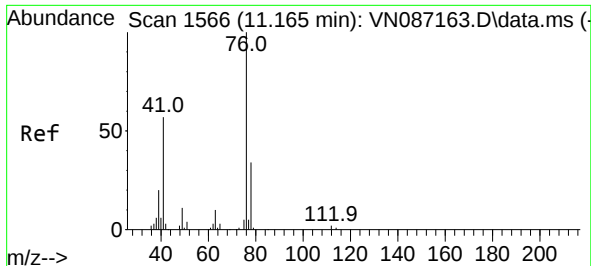
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 59421 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 92.4  | 69.6  | 104.4 |
| 85       | 55.7  | 42.0  | 63.0  |
| 99       | 62.8  | 50.8  | 76.2  |



#51  
Ethyl methacrylate  
Concen: 21.202 ug/l  
RT: 10.853 min Scan# 1513  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 95191 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 65.6  | 31.8  | 95.3  |
| 39       | 36.1  | 15.3  | 45.8  |

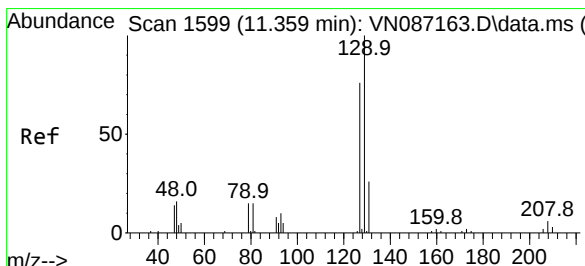
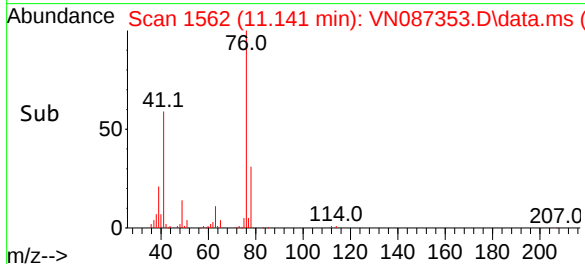
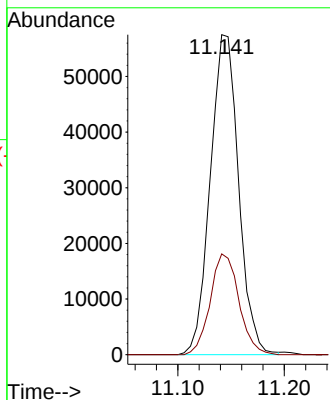
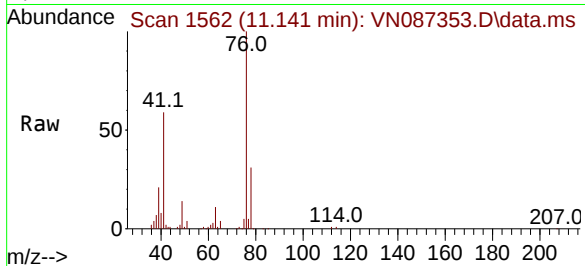




#52  
1,3-Dichloropropane  
Concen: 20.936 ug/l  
RT: 11.141 min Scan# 1562  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

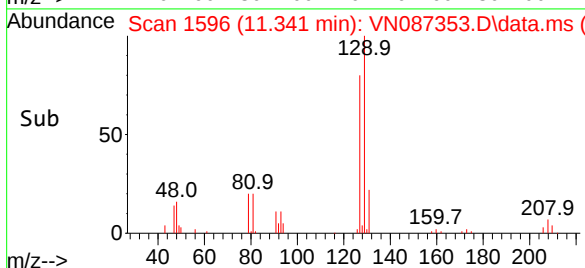
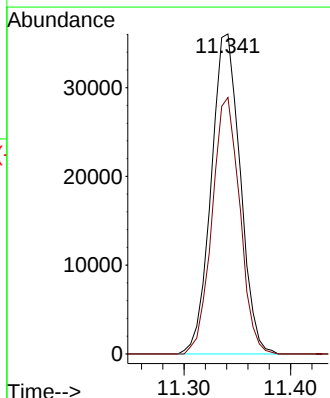
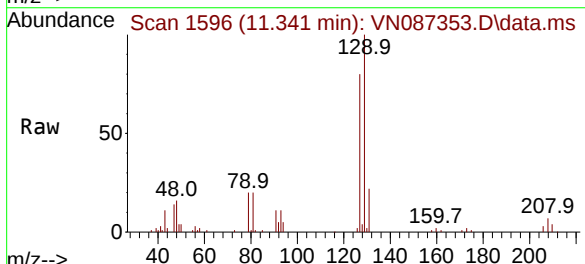
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

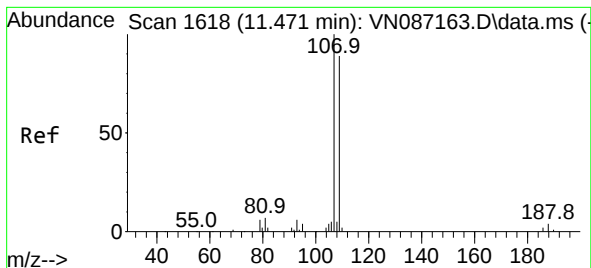
Tgt Ion: 76 Resp: 106028  
Ion Ratio Lower Upper  
76 100  
78 31.9 0.0 63.0



#53  
Dibromochloromethane  
Concen: 22.052 ug/l  
RT: 11.341 min Scan# 1596  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 129 Resp: 68283  
Ion Ratio Lower Upper  
129 100  
127 76.4 39.6 118.8





#54

1,2-Dibromoethane

Concen: 19.793 ug/l

RT: 11.447 min Scan# 1

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

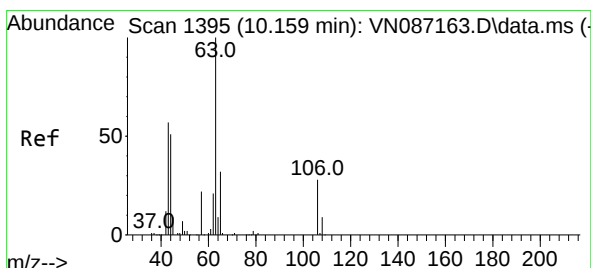
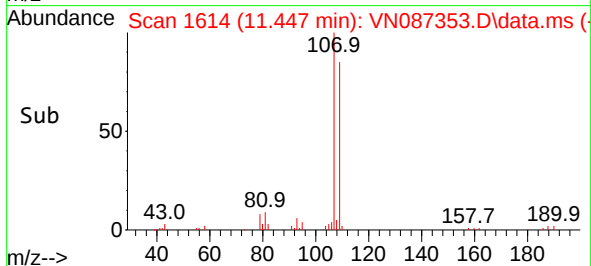
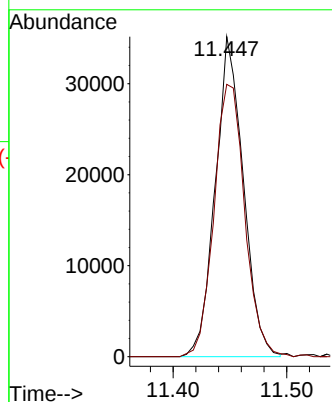
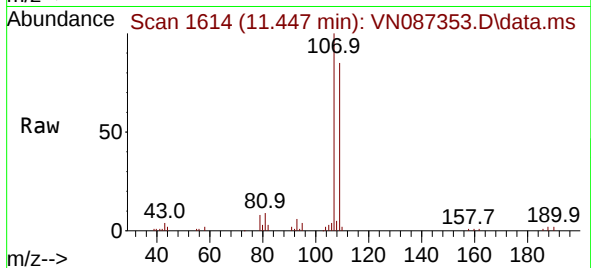
VSTDCCC020

Tgt Ion:107 Resp: 60238

Ion Ratio Lower Upper

107 100

109 93.4 73.5 110.3



#55

2-Chloroethyl vinyl ether

Concen: 102.481 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

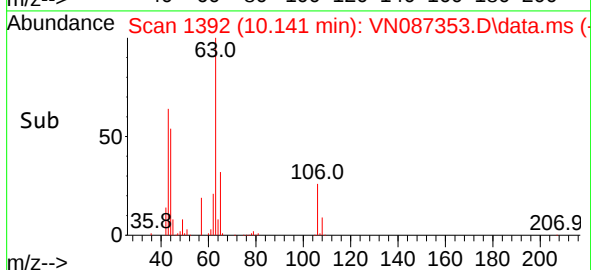
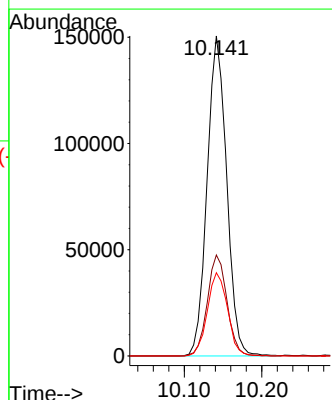
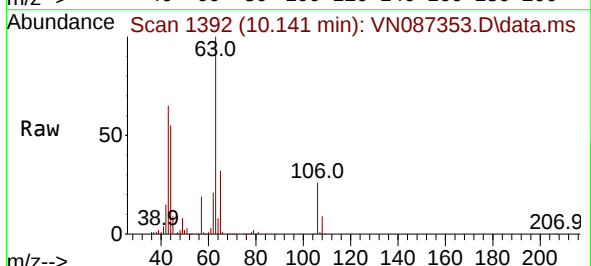
Tgt Ion: 63 Resp: 263740

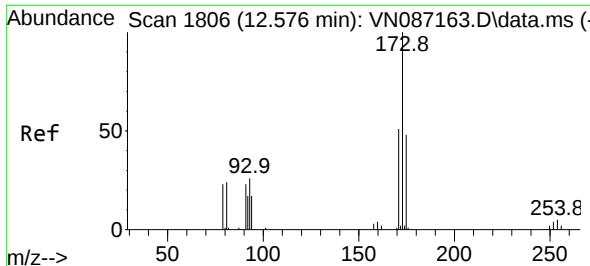
Ion Ratio Lower Upper

63 100

65 31.7 25.6 38.4

106 26.8 21.9 32.9

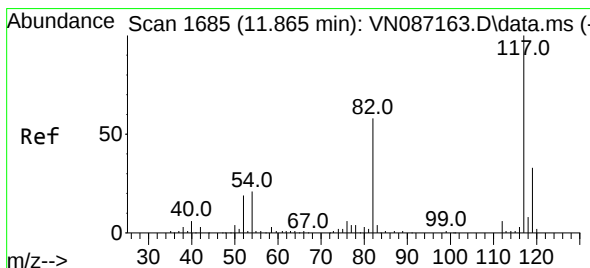
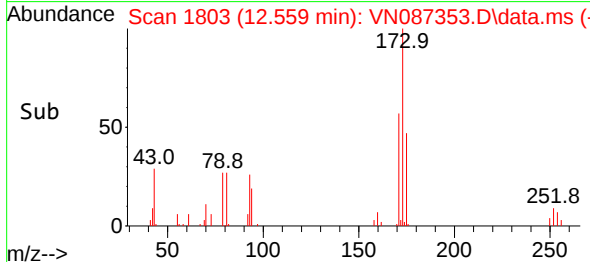
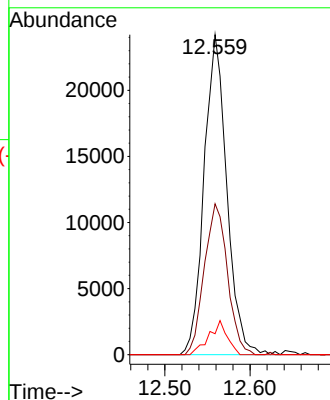
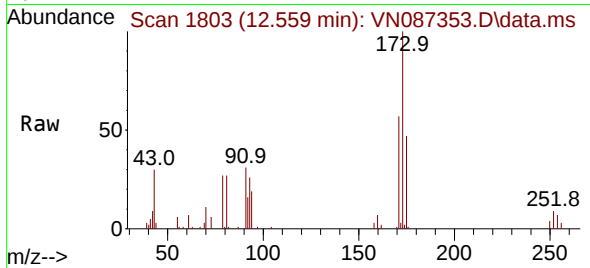




#56  
Bromoform  
Concen: 21.061 ug/l  
RT: 12.559 min Scan# 1803  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

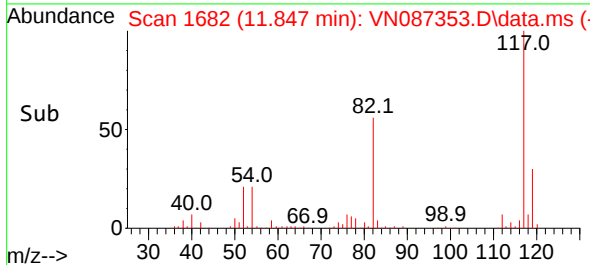
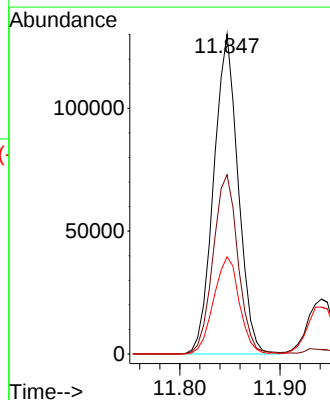
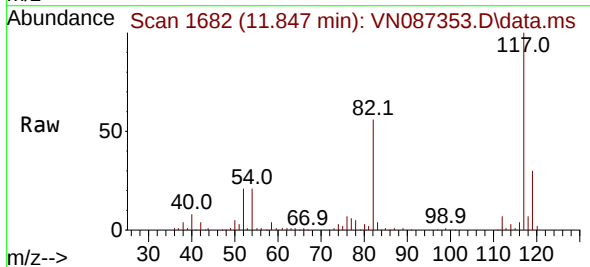
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

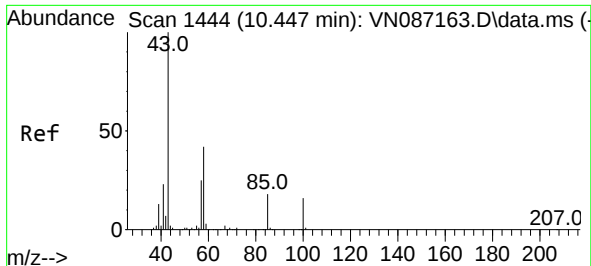
Tgt Ion:173 Resp: 44831  
Ion Ratio Lower Upper  
173 100  
175 48.0 38.7 58.1  
254 8.6 4.2 6.4#



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion:117 Resp: 220107  
Ion Ratio Lower Upper  
117 100  
82 57.1 45.4 68.2  
119 31.8 26.2 39.4

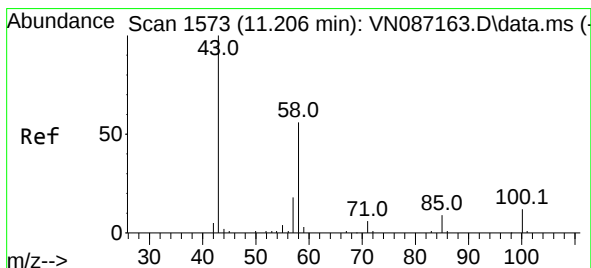
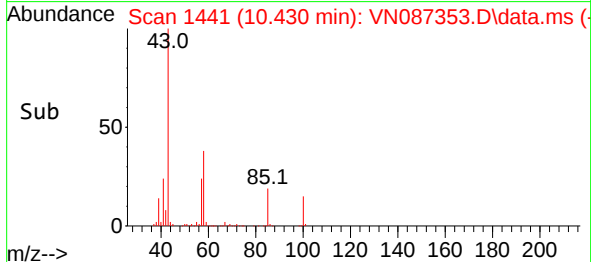
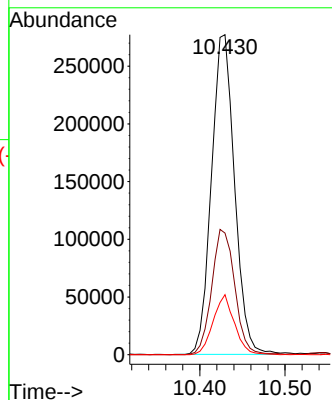
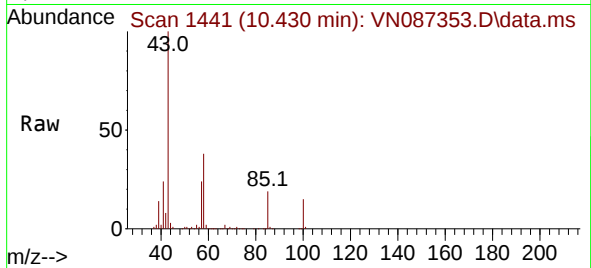




#58  
4-Methyl-2-Pentanone  
Concen: 118.048 ug/l  
RT: 10.430 min Scan# 1444  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

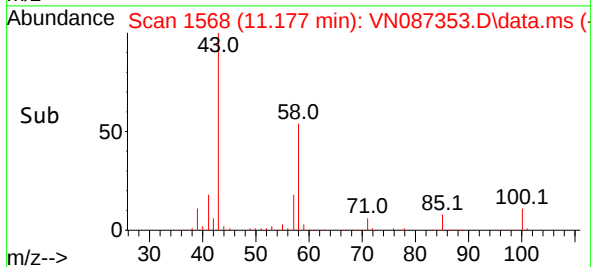
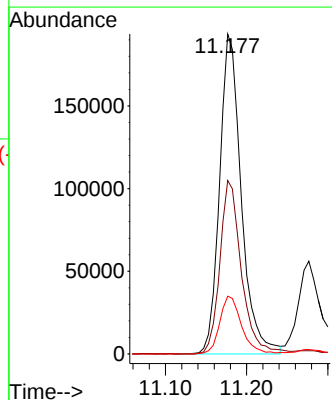
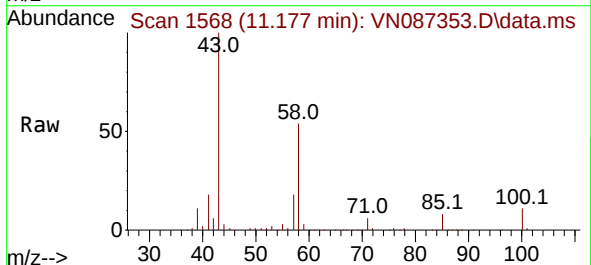
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

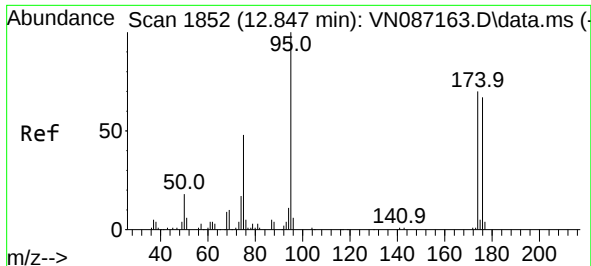
Tgt Ion: 43 Resp: 522358  
Ion Ratio Lower Upper  
43 100  
58 39.0 32.6 49.0  
85 17.3 14.6 22.0



#59  
2-Hexanone  
Concen: 125.791 ug/l  
RT: 11.177 min Scan# 1568  
Delta R.T. -0.029 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 43 Resp: 359424  
Ion Ratio Lower Upper  
43 100  
58 53.3 49.2 73.8  
57 18.1 15.3 22.9

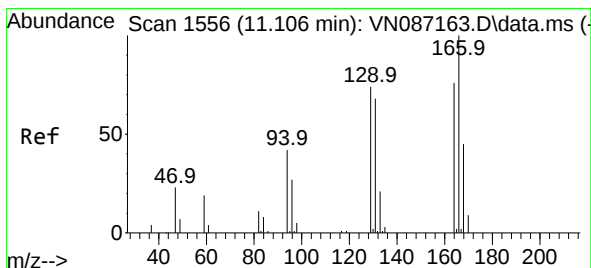
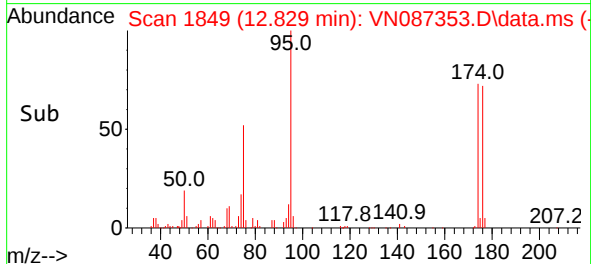
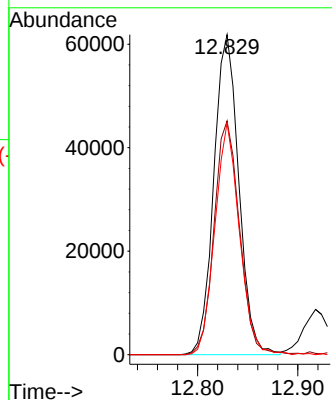
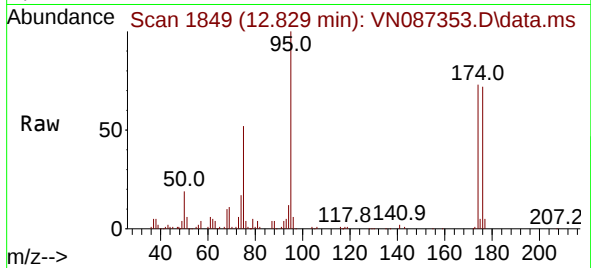




#60  
4-Bromofluorobenzene  
Concen: 31.514 ug/l  
RT: 12.829 min Scan# 1852  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

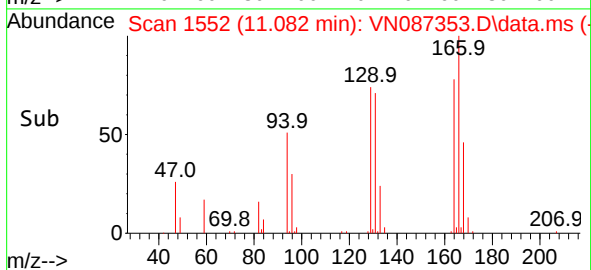
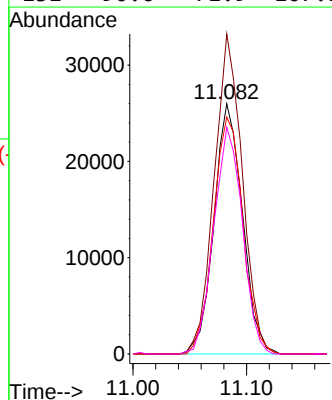
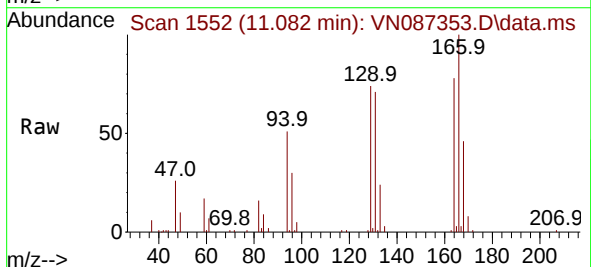
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

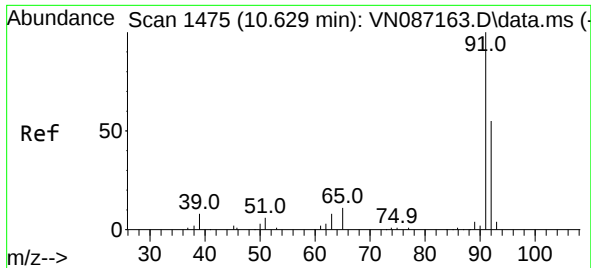
Tgt Ion: 95 Resp: 107036  
Ion Ratio Lower Upper  
95 100  
174 74.1 54.5 81.7  
176 70.8 51.9 77.9



#61  
Tetrachloroethene  
Concen: 20.748 ug/l  
RT: 11.082 min Scan# 1552  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion:164 Resp: 45226  
Ion Ratio Lower Upper  
164 100  
166 127.9 105.4 158.2  
129 94.7 77.9 116.9  
131 90.6 71.9 107.9

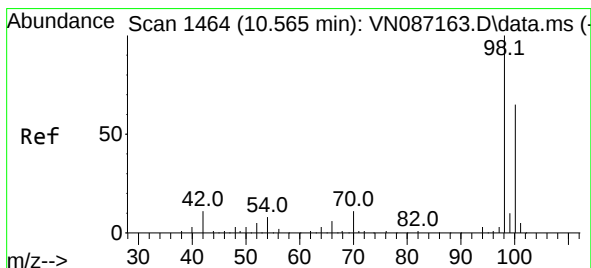
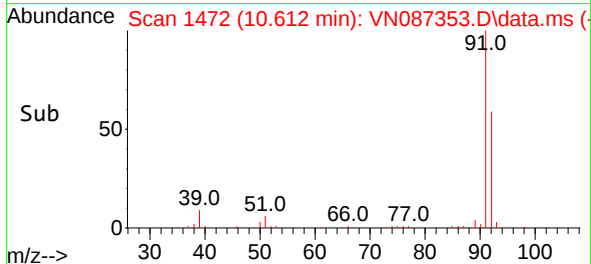
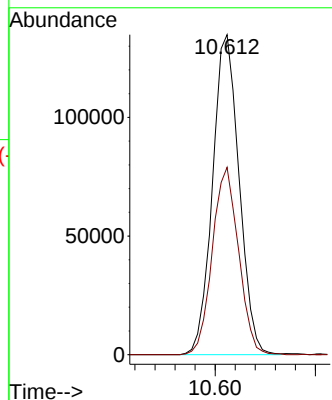
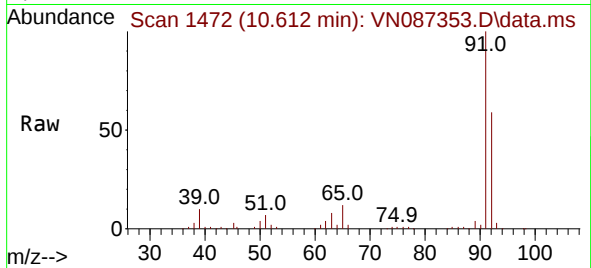




#62  
Toluene  
Concen: 19.960 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

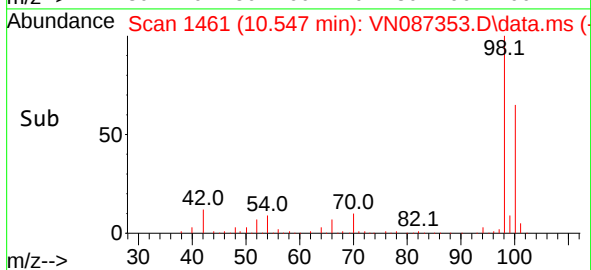
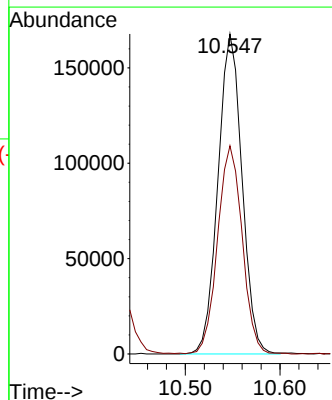
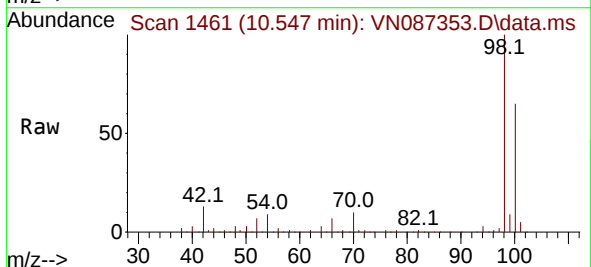
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

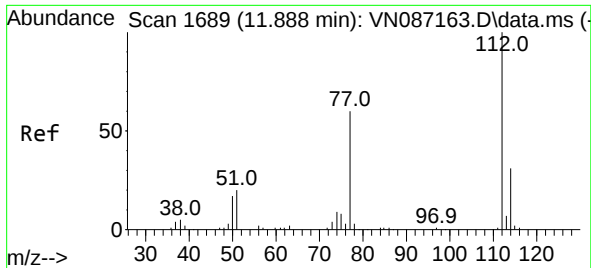
Tgt Ion: 91 Resp: 248127  
Ion Ratio Lower Upper  
91 100  
92 57.8 45.8 68.8



#63  
Toluene-d8  
Concen: 30.020 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 98 Resp: 296684  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.5 78.7

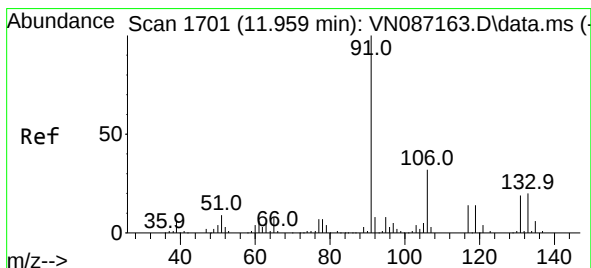
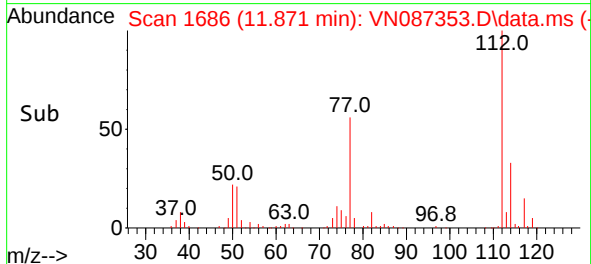
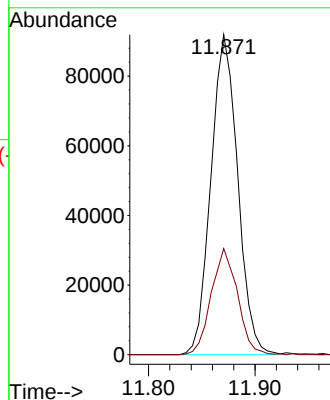
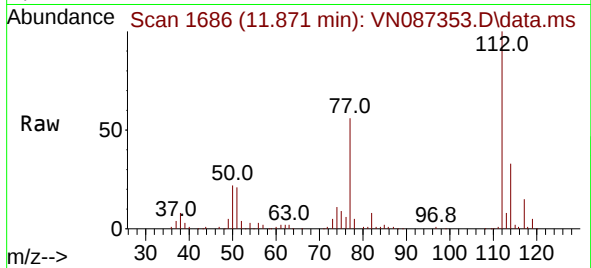




#64  
Chlorobenzene  
Concen: 20.238 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

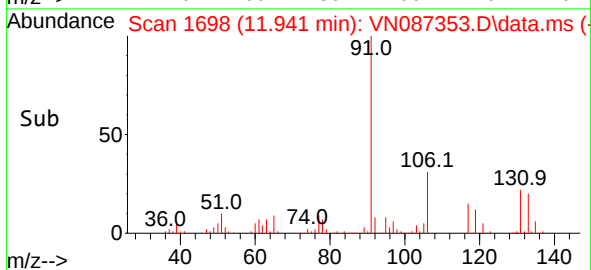
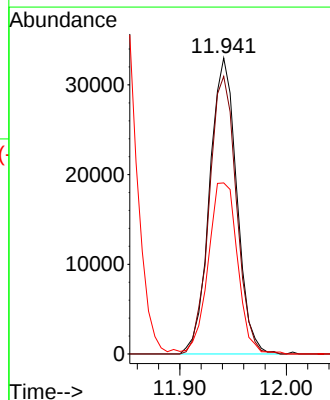
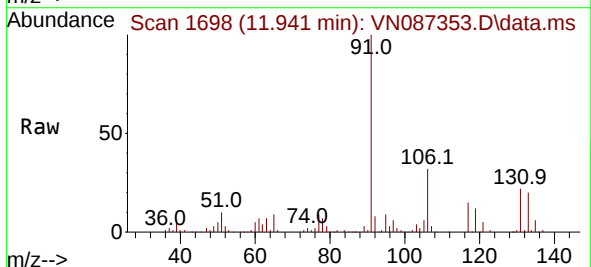
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

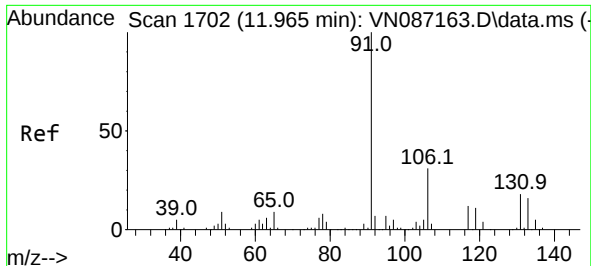
Tgt Ion:112 Resp: 160479  
Ion Ratio Lower Upper  
112 100  
114 33.2 25.0 37.4



#65  
1,1,1,2-Tetrachloroethane  
Concen: 22.256 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion:131 Resp: 58313  
Ion Ratio Lower Upper  
131 100  
133 94.1 0.0 187.8  
119 62.0 0.0 140.0

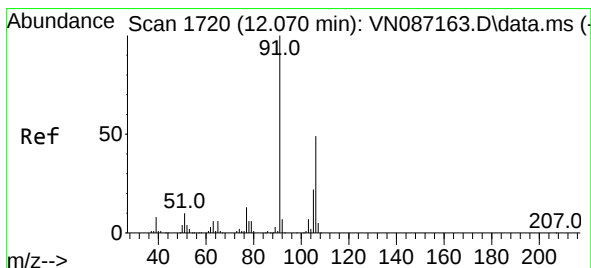
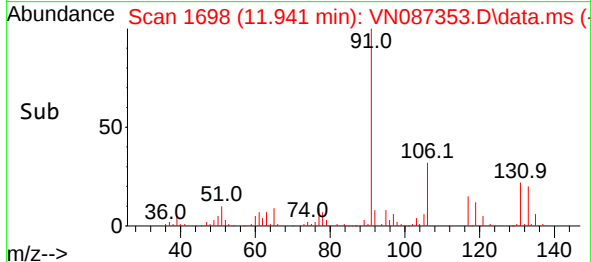
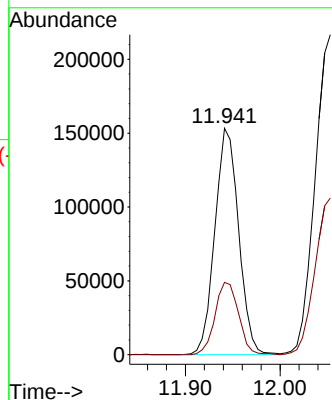
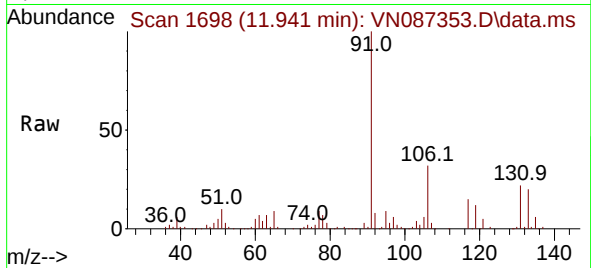




#66  
Ethyl Benzene  
Concen: 19.686 ug/l  
RT: 11.941 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

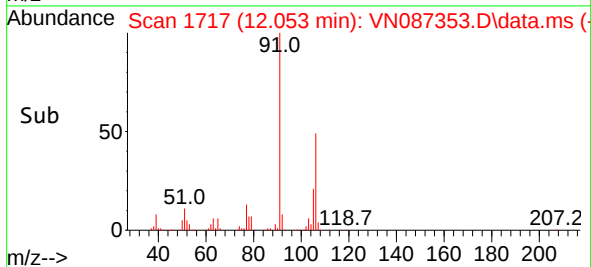
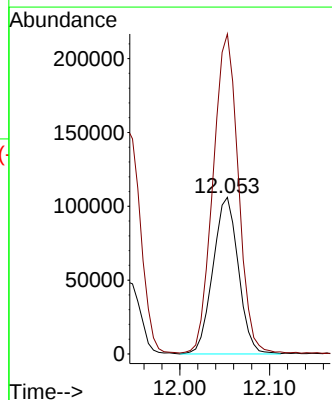
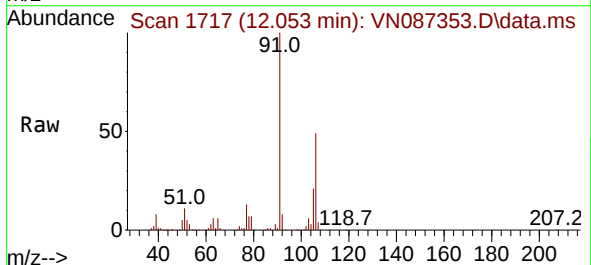
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

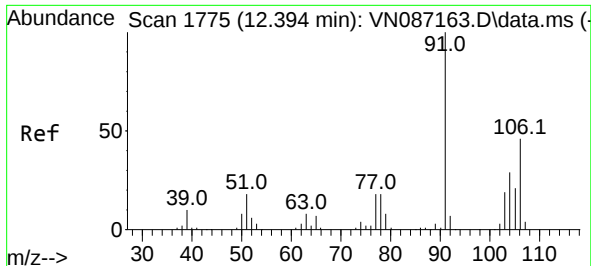
Tgt Ion: 91 Resp: 267868  
Ion Ratio Lower Upper  
91 100  
106 31.9 24.8 37.2



#67  
m/p-Xylenes  
Concen: 40.039 ug/l  
RT: 12.053 min Scan# 1717  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 106 Resp: 208770  
Ion Ratio Lower Upper  
106 100  
91 203.4 163.0 244.4

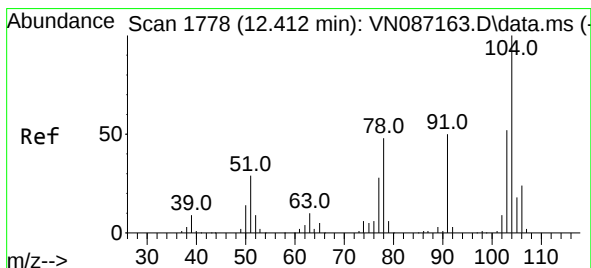
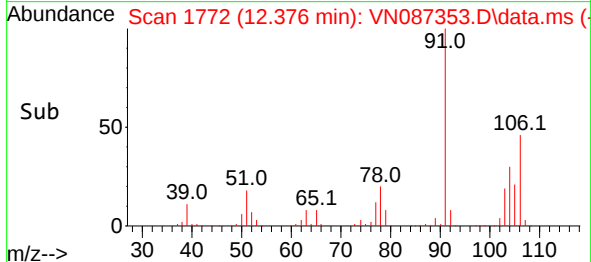
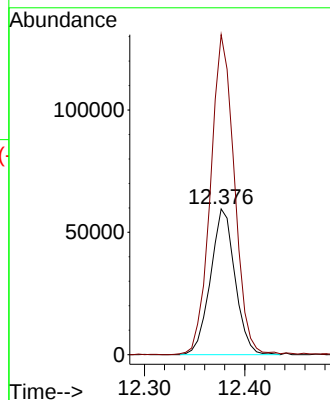
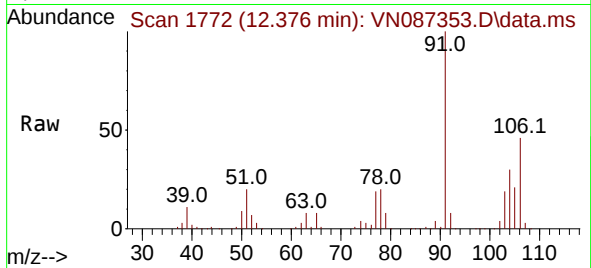




#68  
o-Xylene  
Concen: 20.351 ug/l  
RT: 12.376 min Scan# 1774  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

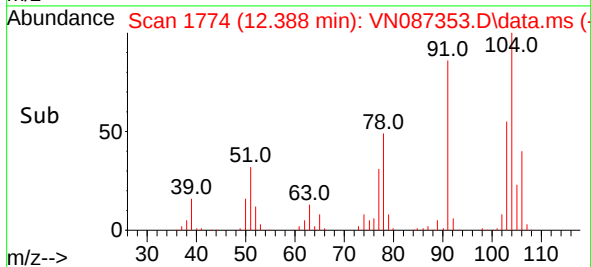
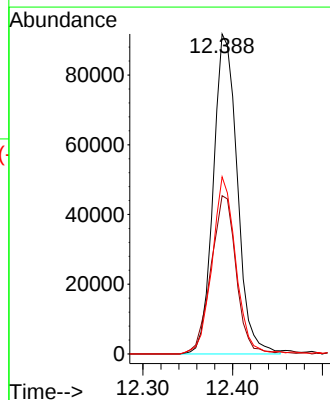
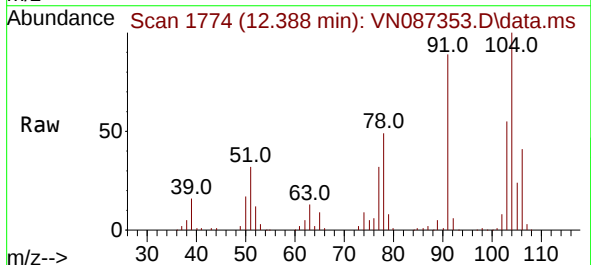
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

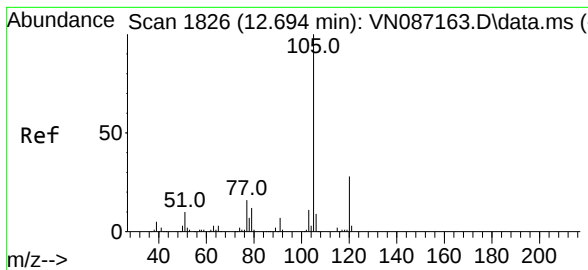
Tgt Ion:106 Resp: 101235  
Ion Ratio Lower Upper  
106 100  
91 213.3 107.1 321.1



#69  
Styrene  
Concen: 19.940 ug/l  
RT: 12.388 min Scan# 1774  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion:104 Resp: 170293  
Ion Ratio Lower Upper  
104 100  
78 51.8 39.8 59.8  
103 54.3 44.2 66.4

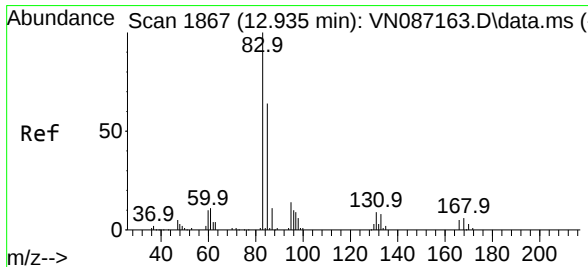
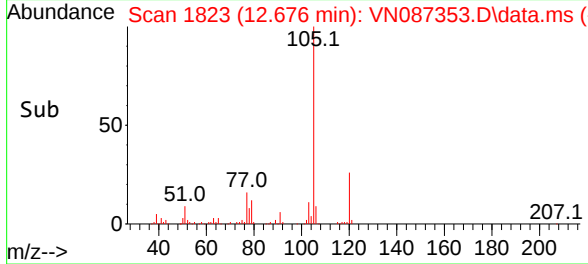
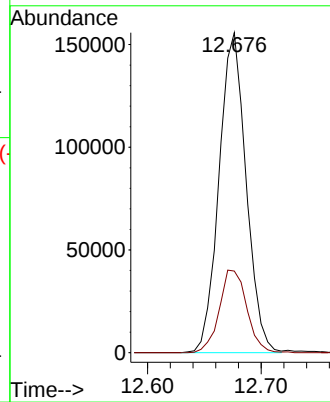
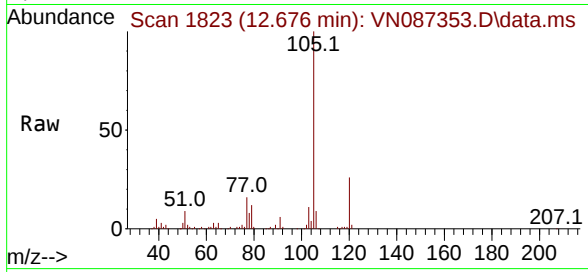




#70  
Isopropylbenzene  
Concen: 20.841 ug/l  
RT: 12.676 min Scan# 1823  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

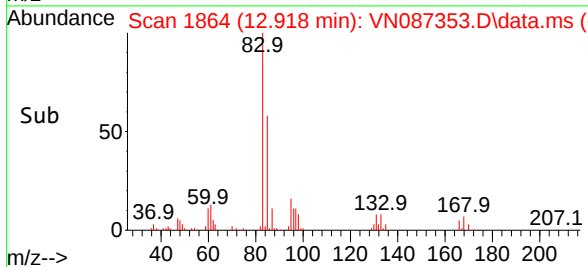
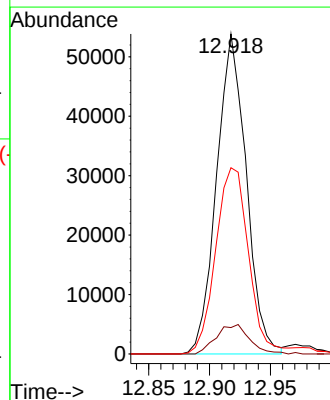
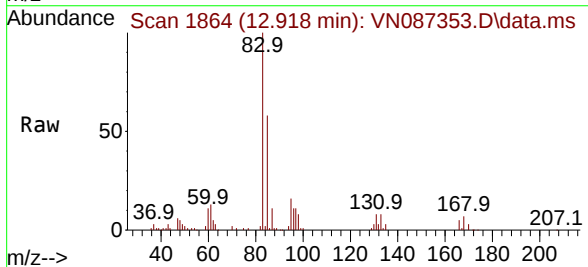
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

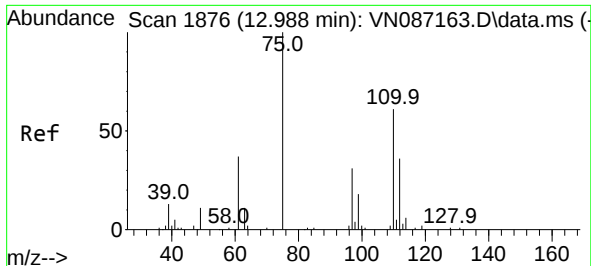
Tgt Ion:105 Resp: 258198  
Ion Ratio Lower Upper  
105 100  
120 26.1 19.0 35.2



#71  
1,1,2,2-Tetrachloroethane  
Concen: 20.465 ug/l  
RT: 12.918 min Scan# 1864  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 83 Resp: 91263  
Ion Ratio Lower Upper  
83 100  
131 10.3 4.5 13.4  
85 64.5 31.3 93.9

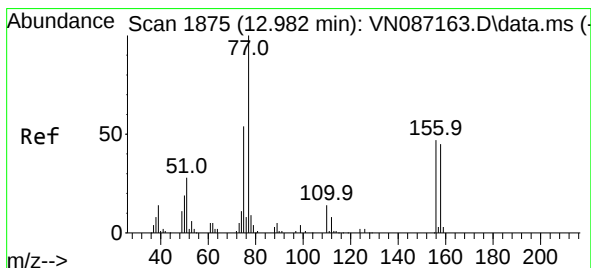
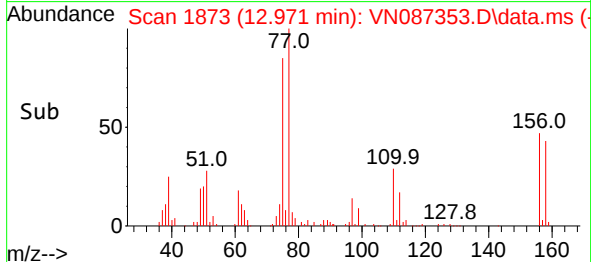
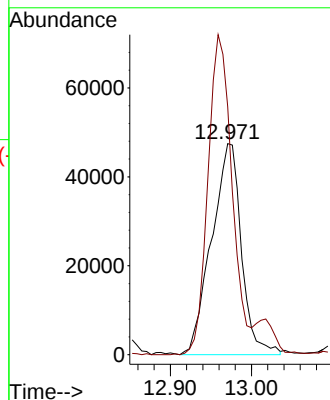
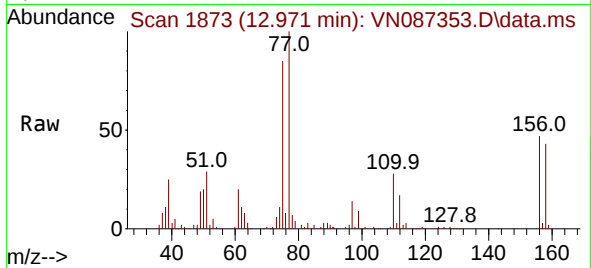




#72  
1,2,3-Trichloropropane  
Concen: 31.530 ug/l  
RT: 12.971 min Scan# 1871  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

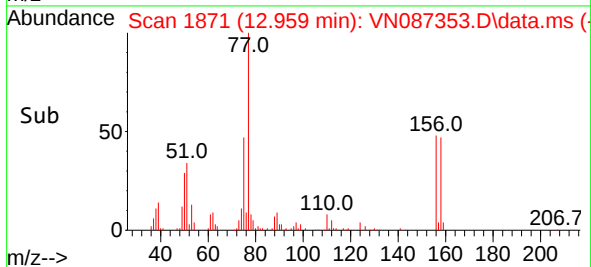
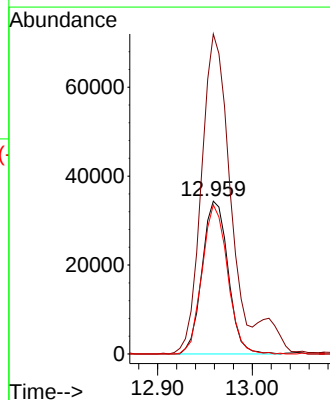
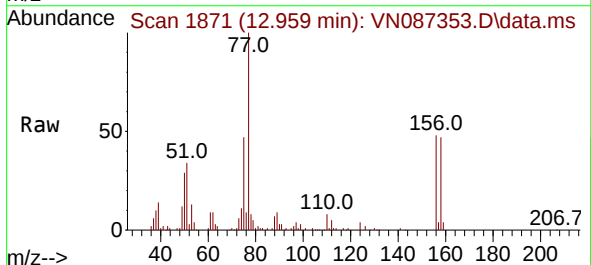
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ClientSampleId :  
VSTDCCC020

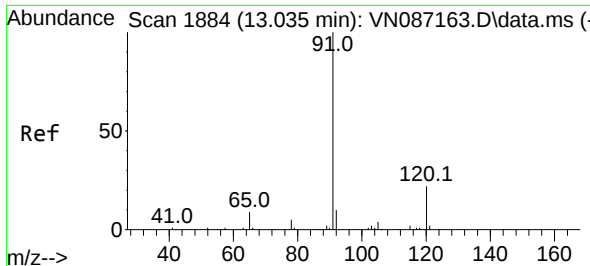
Tgt Ion: 75 Resp: 121250  
Ion Ratio Lower Upper  
75 100  
77 122.5 0.0 379.2



#73  
Bromobenzene  
Concen: 21.751 ug/l  
RT: 12.959 min Scan# 1871  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion:156 Resp: 65368  
Ion Ratio Lower Upper  
156 100  
77 227.3 0.0 489.0  
158 95.6 0.0 195.2

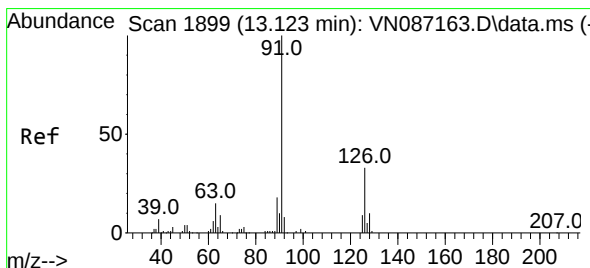
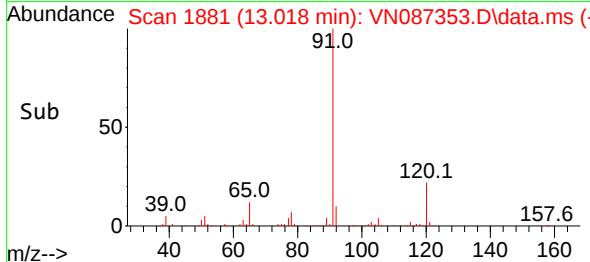
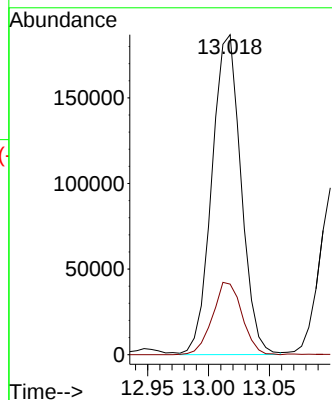
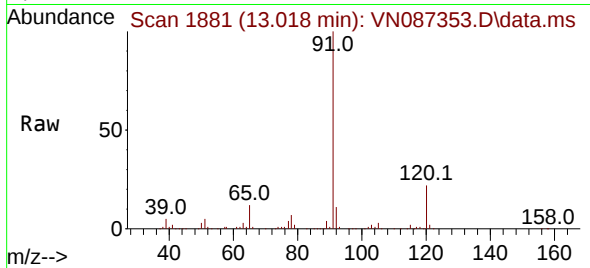




#74  
n-propylbenzene  
Concen: 20.544 ug/l  
RT: 13.018 min Scan# 1881  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

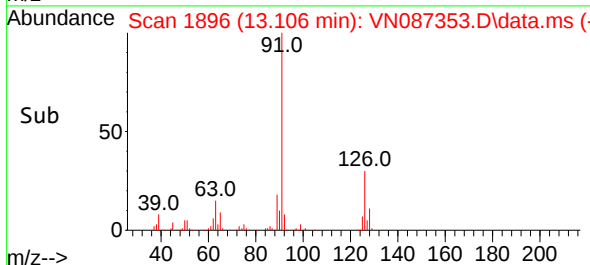
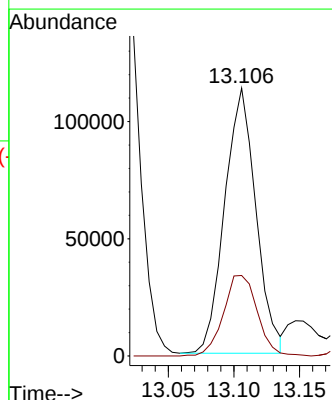
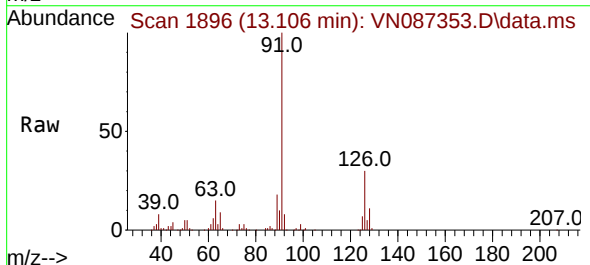
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

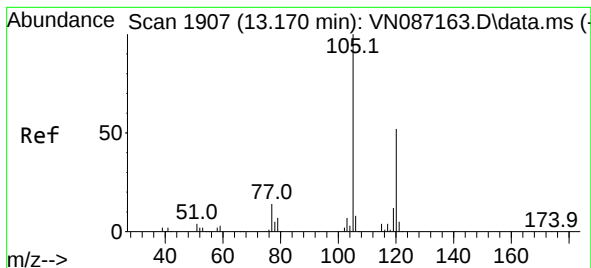
Tgt Ion: 91 Resp: 310937  
Ion Ratio Lower Upper  
91 100  
120 22.9 0.0 43.6



#75  
2-Chlorotoluene  
Concen: 20.493 ug/l  
RT: 13.106 min Scan# 1896  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 91 Resp: 187392  
Ion Ratio Lower Upper  
91 100  
126 32.9 0.0 63.8





#76

1,3,5-Trimethylbenzene

Concen: 21.335 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

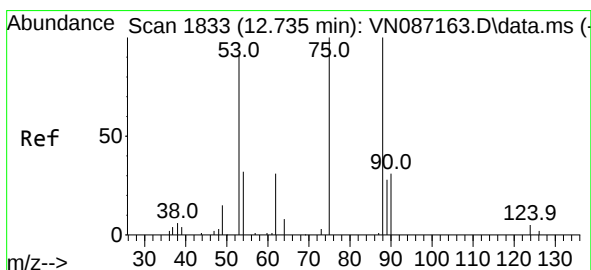
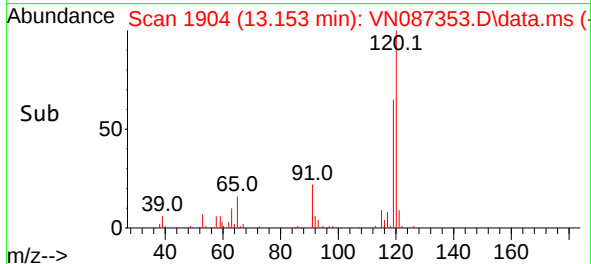
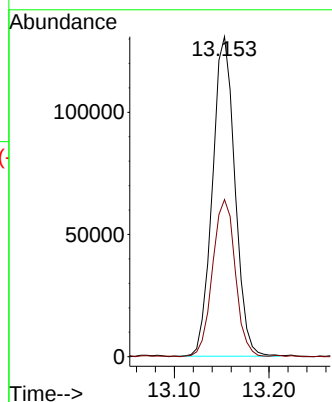
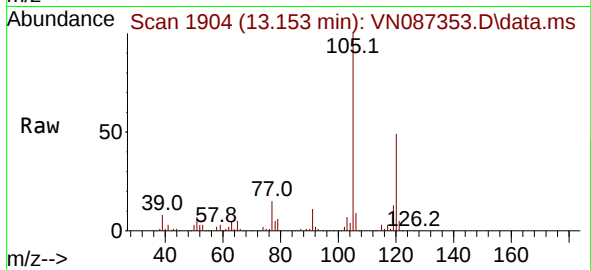
VSTDCCC020

Tgt Ion:105 Resp: 215176

Ion Ratio Lower Upper

105 100

120 49.8 0.0 100.8



#77

t-1,4-Dichloro-2-butene

Concen: 18.956 ug/l

RT: 12.718 min Scan# 1830

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

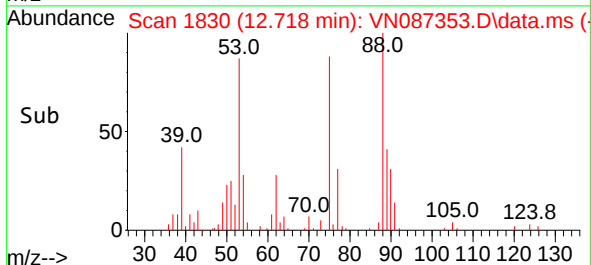
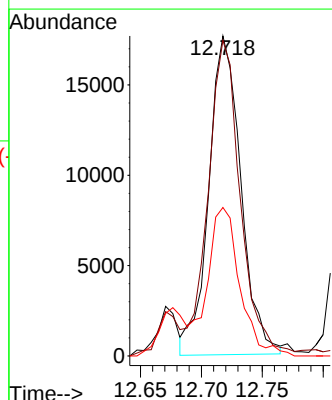
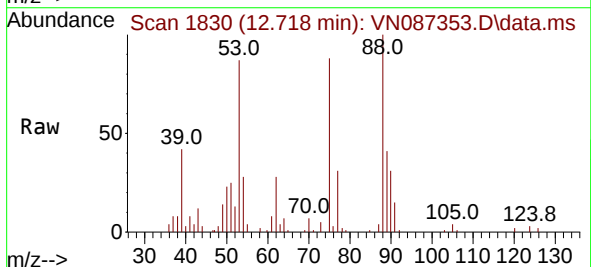
Tgt Ion: 75 Resp: 32334

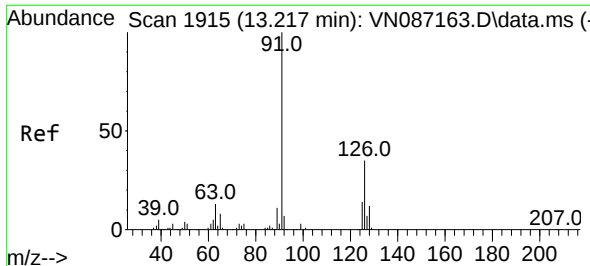
Ion Ratio Lower Upper

75 100

53 99.0 45.9 137.6

89 46.2 22.3 66.9

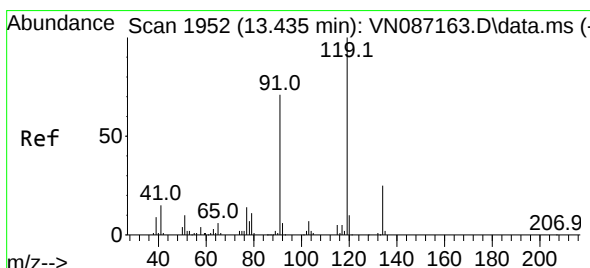
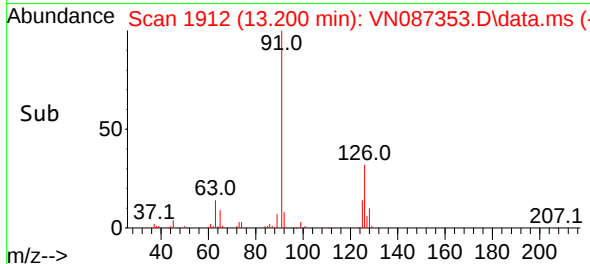
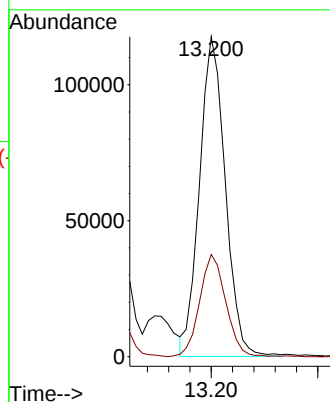
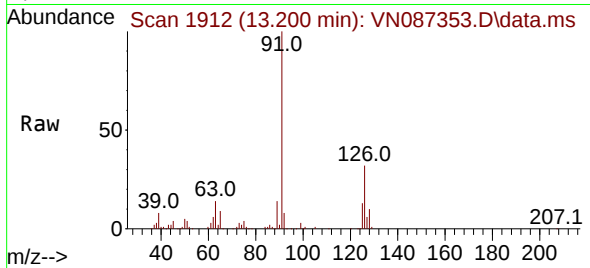




#78  
4-Chlorotoluene  
Concen: 21.150 ug/l  
RT: 13.200 min Scan# 1915  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

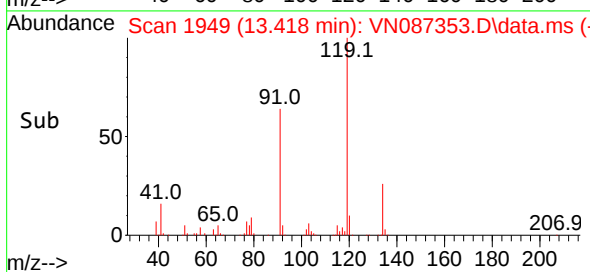
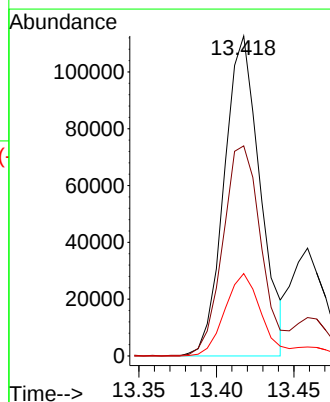
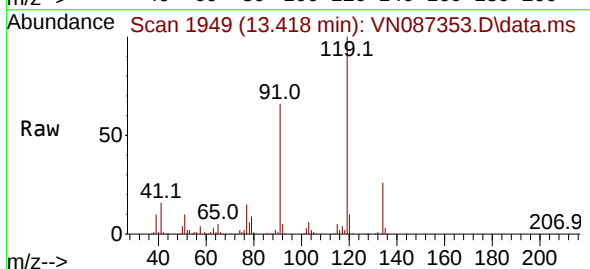
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

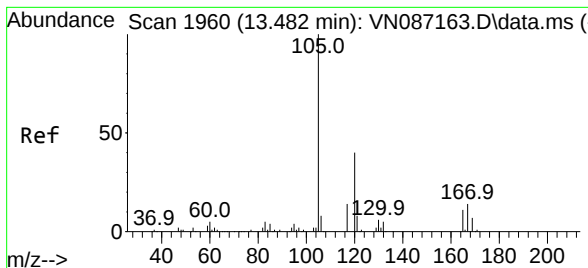
Tgt Ion: 91 Resp: 198075  
Ion Ratio Lower Upper  
91 100  
126 32.3 0.0 65.2



#79  
tert-butylbenzene  
Concen: 21.488 ug/l  
RT: 13.418 min Scan# 1949  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 119 Resp: 182171  
Ion Ratio Lower Upper  
119 100  
91 70.7 0.0 137.0  
134 25.7 0.0 49.4





#80

1,2,4-Trimethylbenzene

Concen: 21.477 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

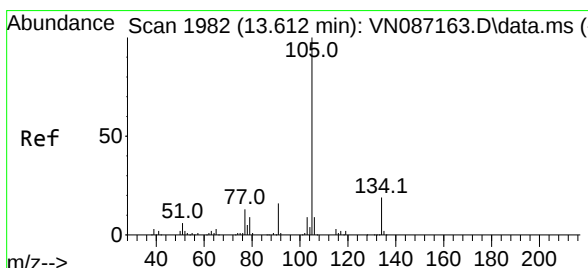
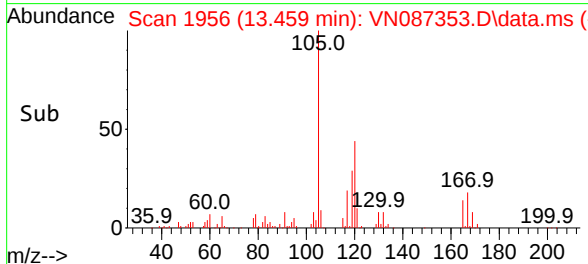
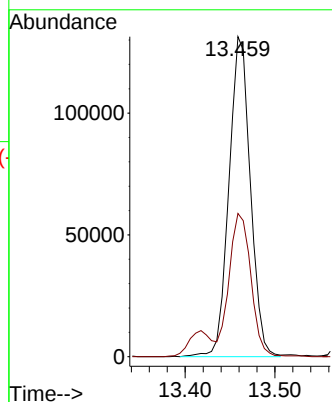
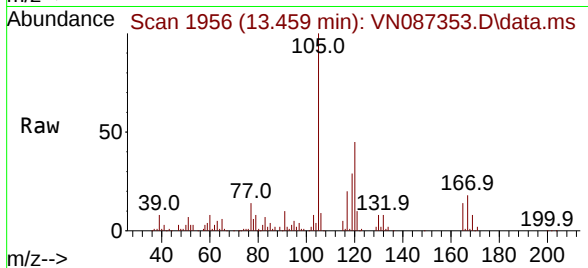
VSTDCCC020

Tgt Ion:105 Resp: 217511

Ion Ratio Lower Upper

105 100

120 44.6 0.0 94.0



#81

sec-Butylbenzene

Concen: 21.448 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.018 min

Lab File: VN087353.D

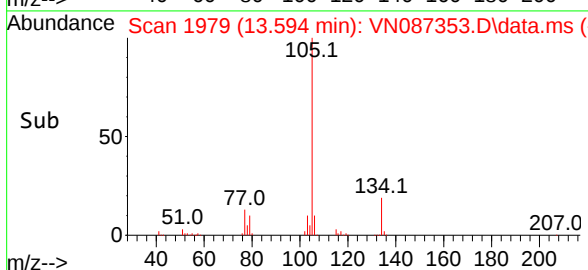
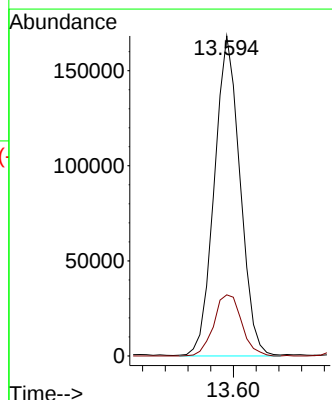
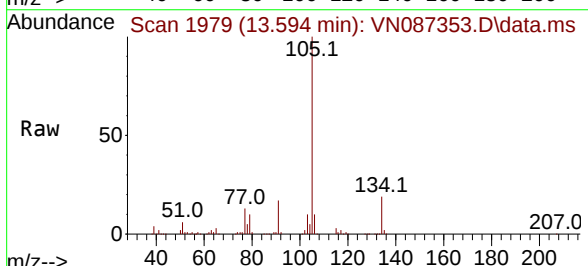
Acq: 18 Jul 2025 09:15

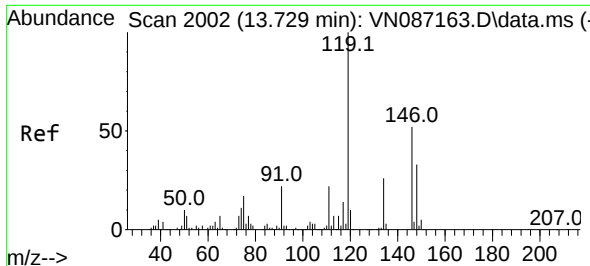
Tgt Ion:105 Resp: 264335

Ion Ratio Lower Upper

105 100

134 20.6 0.0 39.4

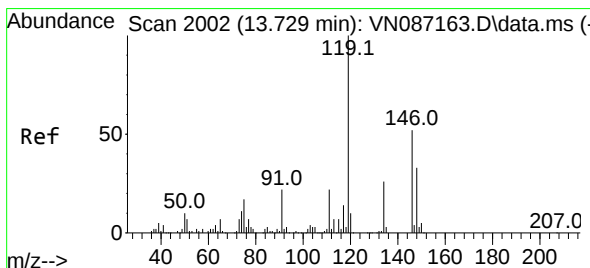
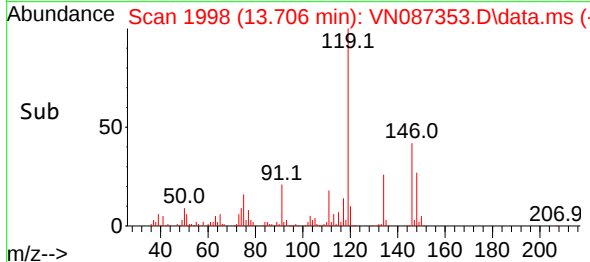
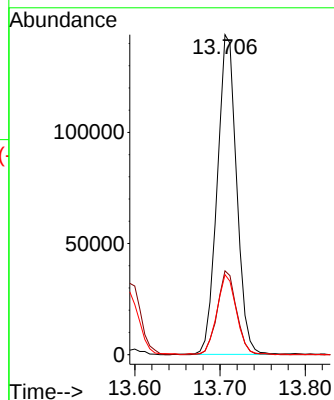
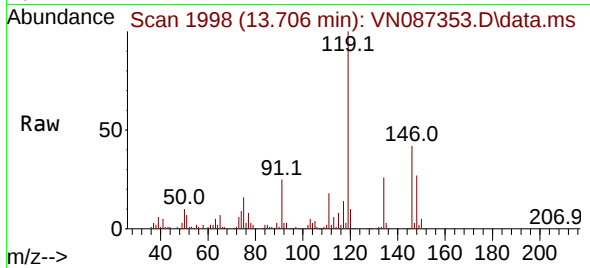




#82  
p-Isopropyltoluene  
Concen: 22.171 ug/l  
RT: 13.706 min Scan# 1998  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

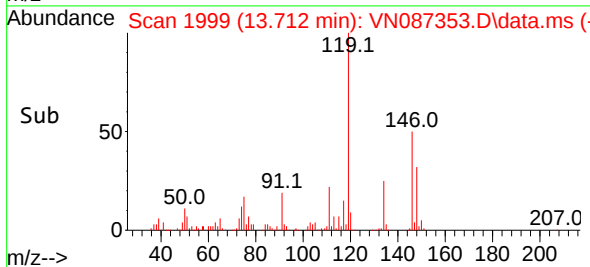
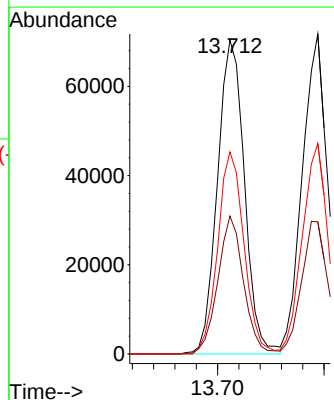
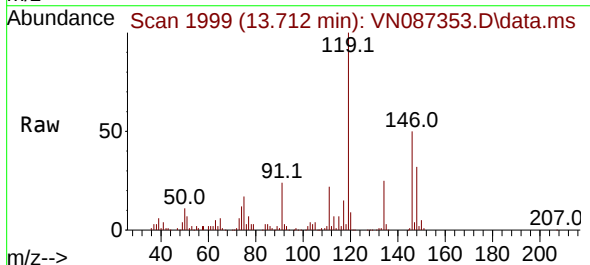
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

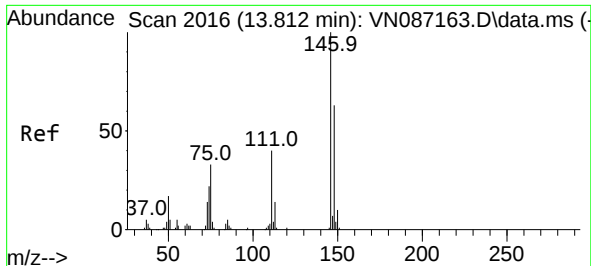
Tgt Ion:119 Resp: 227385  
Ion Ratio Lower Upper  
119 100  
134 26.0 0.0 51.2  
91 25.3 0.0 46.4



#83  
1,3-Dichlorobenzene  
Concen: 21.391 ug/l  
RT: 13.712 min Scan# 1999  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion:146 Resp: 123794  
Ion Ratio Lower Upper  
146 100  
111 41.9 21.1 63.3  
148 62.6 31.6 94.8

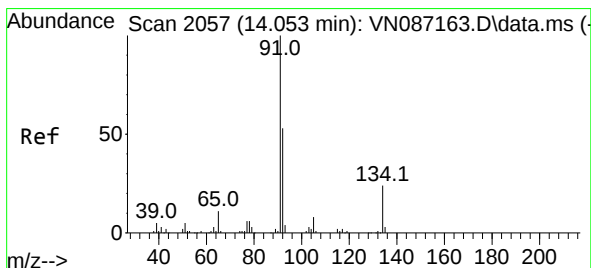
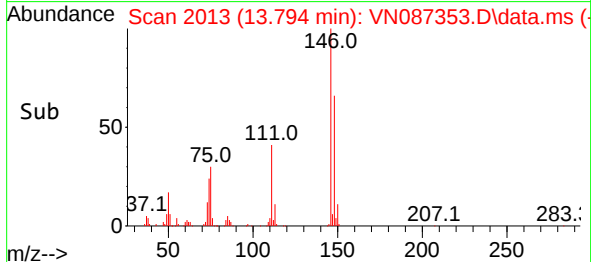
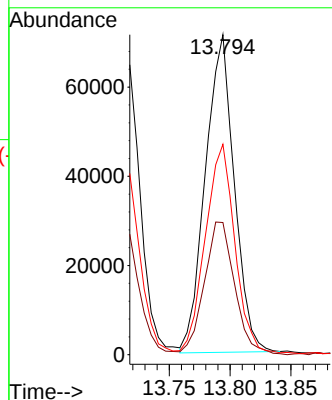
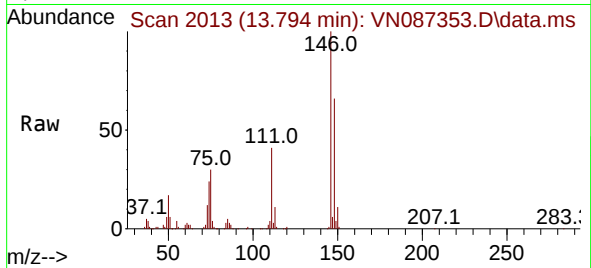




#84  
1,4-Dichlorobenzene  
Concen: 20.178 ug/l  
RT: 13.794 min Scan# 2016  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

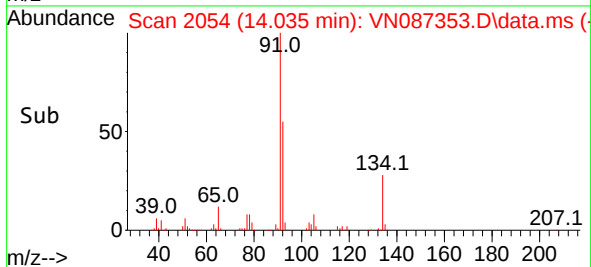
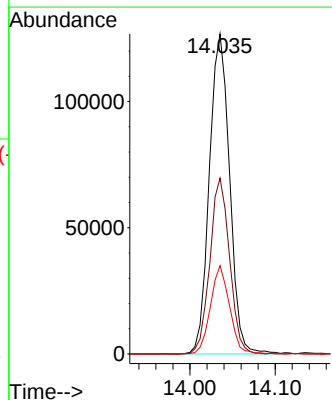
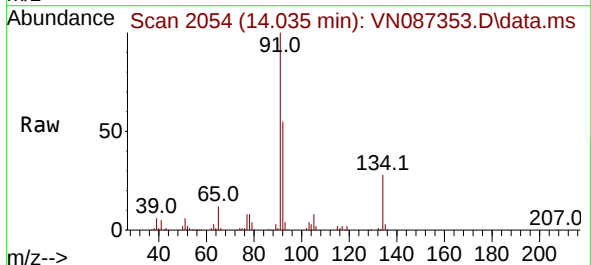
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

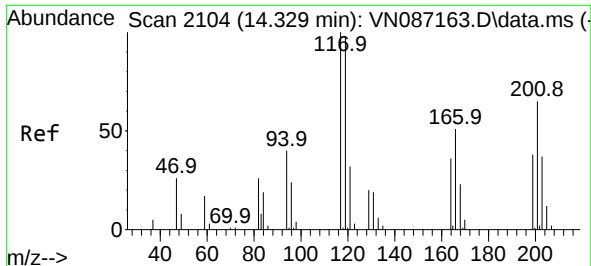
Tgt Ion:146 Resp: 117522  
Ion Ratio Lower Upper  
146 100  
111 43.9 20.1 60.2  
148 68.9 31.4 94.2



#85  
n-Butylbenzene  
Concen: 22.382 ug/l  
RT: 14.035 min Scan# 2054  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion: 91 Resp: 209441  
Ion Ratio Lower Upper  
91 100  
92 53.4 0.0 106.4  
134 26.0 0.0 48.8

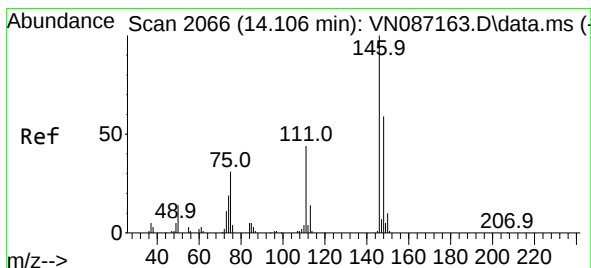
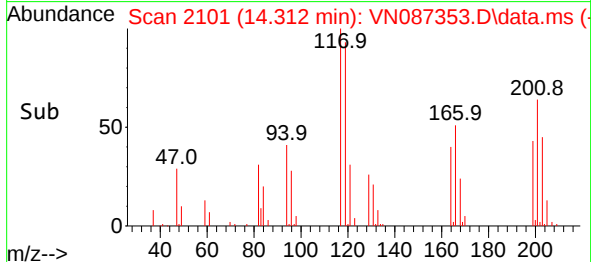
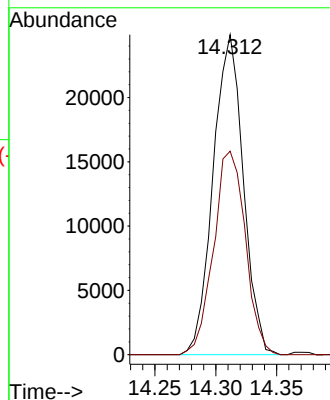
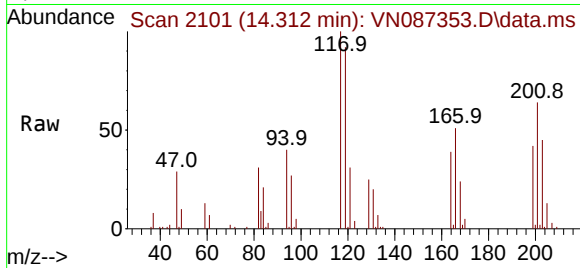




#86  
Hexachloroethane  
Concen: 22.079 ug/l  
RT: 14.312 min Scan# 2101  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

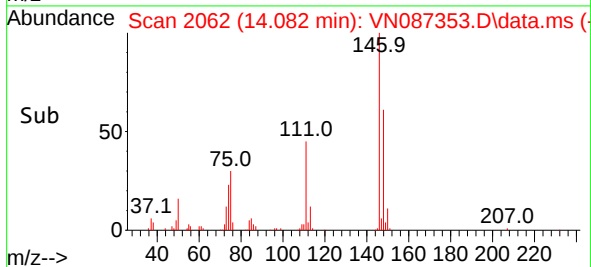
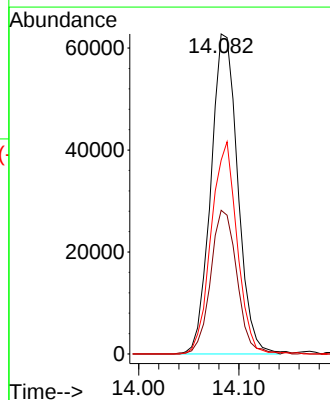
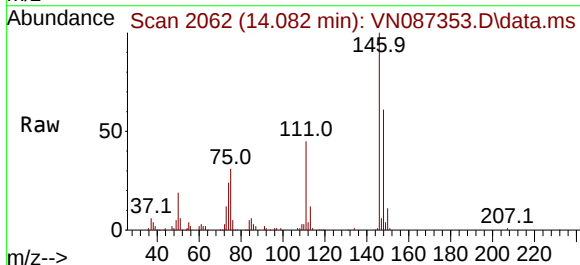
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020

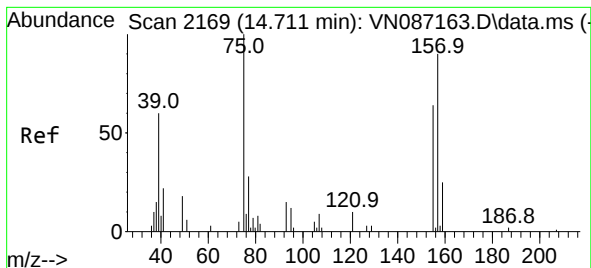
Tgt Ion:117 Resp: 42865  
Ion Ratio Lower Upper  
117 100  
201 67.1 30.8 92.3



#87  
1,2-Dichlorobenzene  
Concen: 21.442 ug/l  
RT: 14.082 min Scan# 2062  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

Tgt Ion:146 Resp: 117001  
Ion Ratio Lower Upper  
146 100  
111 43.9 22.1 66.1  
148 63.7 31.6 95.0





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.839 ug/l

RT: 14.694 min Scan# 2166

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

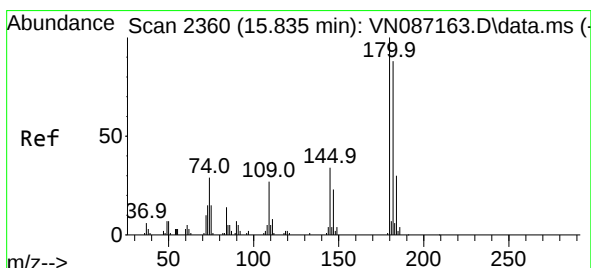
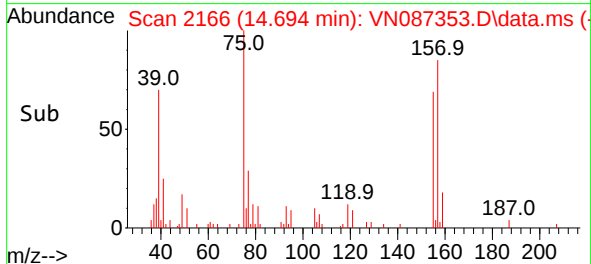
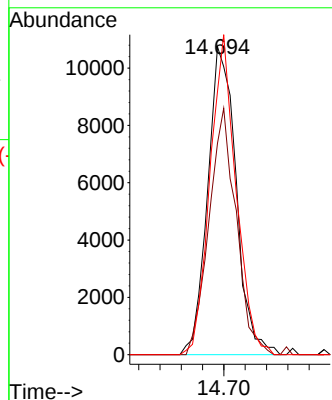
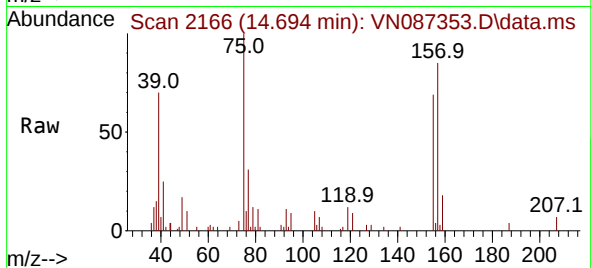
Tgt Ion: 75 Resp: 19921

Ion Ratio Lower Upper

75 100

155 76.5 58.3 87.5

157 95.5 79.2 118.8



#89

1,2,4-Trichlorobenzene

Concen: 22.107 ug/l

RT: 15.817 min Scan# 2357

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

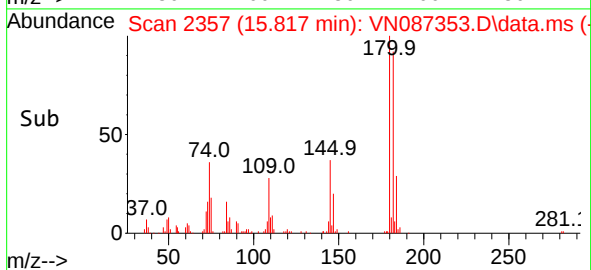
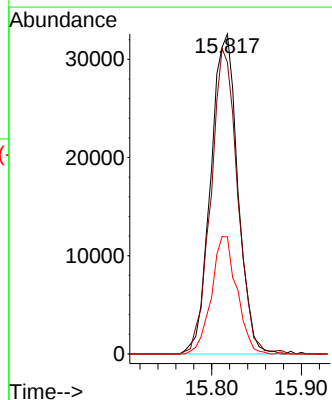
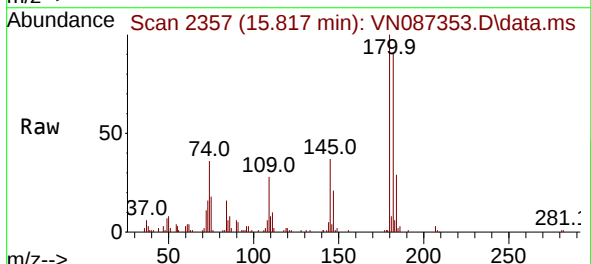
Tgt Ion: 180 Resp: 68248

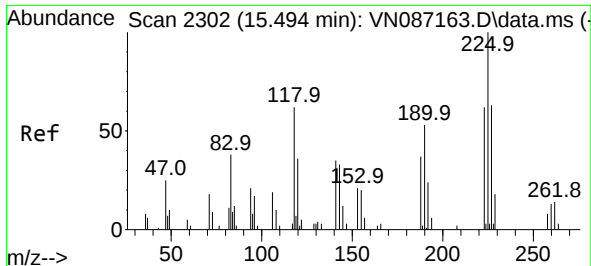
Ion Ratio Lower Upper

180 100

182 93.6 74.2 111.2

145 34.4 27.6 41.4

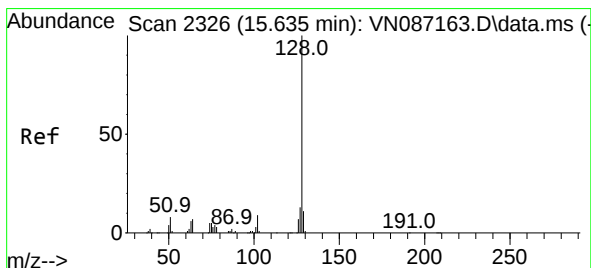
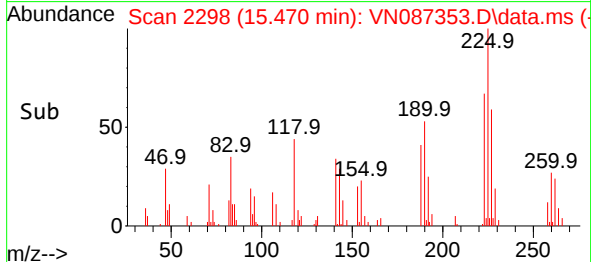
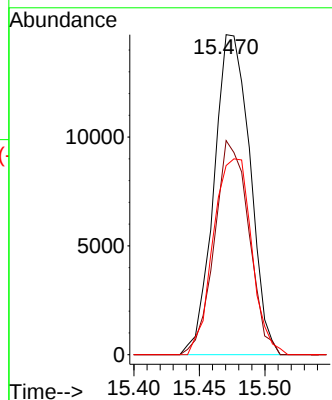
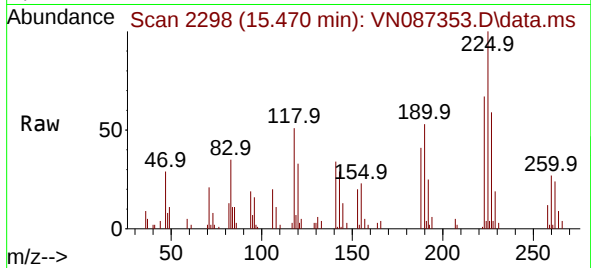




#90  
Hexachlorobutadiene  
Concen: 30.624 ug/l  
RT: 15.470 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

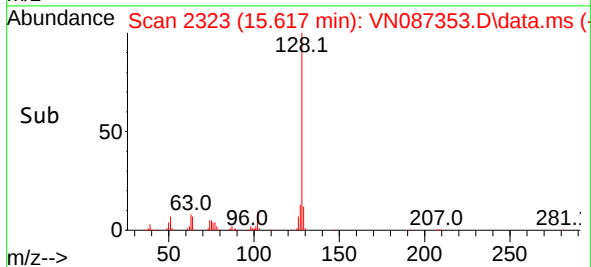
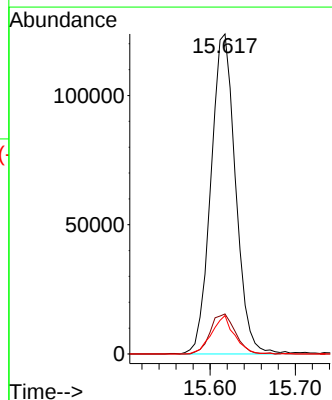
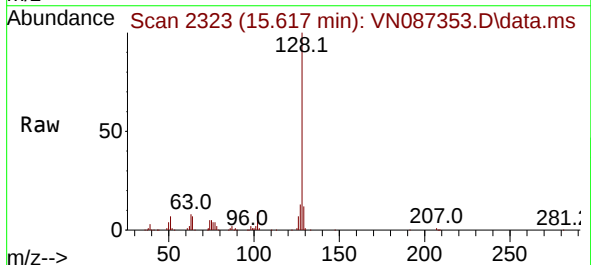
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ClientSampleId :  
VSTDCCC020

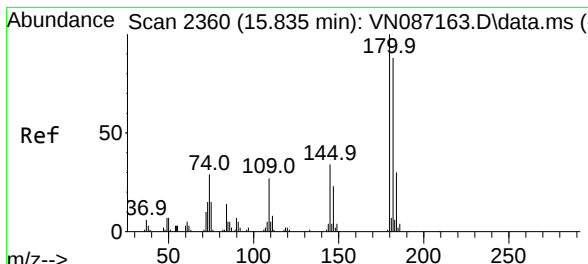
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 28055 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.1  | 0.0   | 134.2 |
| 227       | 65.0  | 0.0   | 122.6 |



#91  
Naphthalene  
Concen: 20.451 ug/l  
RT: 15.617 min Scan# 2323  
Delta R.T. -0.018 min  
Lab File: VN087353.D  
Acq: 18 Jul 2025 09:15

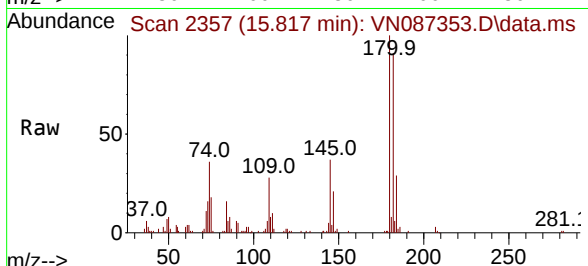
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 248488 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.6  | 15.8   |
| 129       | 11.1  | 8.8   | 13.2   |





#92  
 1,2,3-Trichlorobenzene  
 Concen: 22.107 ug/l  
 RT: 15.817 min Scan# 21  
 Delta R.T. -0.018 min  
 Lab File: VN087353.D  
 Acq: 18 Jul 2025 09:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 68248 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.6  | 0.0   | 185.4 |
| 145       | 34.4  | 0.0   | 69.0  |

