

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042425\  
 Data File : VN086397.D  
 Acq On : 24 Apr 2025 16:35  
 Operator : JC\MD  
 Sample : VSTDC00020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC00020EC

Quant Time: Apr 25 01:41:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 24 04:42:24 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Bromochloromethane        | 7.812  | 128   | 33473    | 30.000   | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100  | 114   | 200679   | 30.000   | ug/l  | 0.00     |
| 57) Chlorobenzene-d5         | 11.864 | 117   | 185622   | 30.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 27) 1,2-Dichloroethane-d4    | 8.576  | 65    | 98786    | 30.610   | ug/l  | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =     | 102.033% |
| 60) 4-Bromofluorobenzene     | 12.847 | 95    | 105260   | 28.852   | ug/l  | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =     | 96.167%  |
| 63) Toluene-d8               | 10.565 | 98    | 303689   | 29.739   | ug/l  | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =     | 99.133%  |
| Target Compounds             |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 42602    | 18.435   | ug/l  | 99       |
| 3) Chloromethane             | 2.359  | 50    | 57315    | 17.460   | ug/l  | 97       |
| 4) Vinyl Chloride            | 2.518  | 62    | 56324    | 17.915   | ug/l  | 99       |
| 5) Bromomethane              | 2.965  | 94    | 30605    | 18.645   | ug/l  | 96       |
| 6) Chloroethane              | 3.124  | 64    | 39388    | 18.792   | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 3.500  | 101   | 67828    | 18.277   | ug/l  | 97       |
| 8) Diethyl Ether             | 3.959  | 74    | 30528    | 19.488   | ug/l  | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 42415    | 18.591   | ug/l  | 98       |
| 10) 1,1-Dichloroethene       | 4.341  | 96    | 42023    | 17.996   | ug/l  | 92       |
| 11) Methyl Iodide            | 4.588  | 142   | 51584    | 18.879   | ug/l  | 98       |
| 12) Methyl Acetate           | 5.024  | 43    | 69467    | 20.988   | ug/l  | 97       |
| 13) Acrolein                 | 4.183  | 56    | 16513    | 103.369  | ug/l  | 98       |
| 14) Acrylonitrile            | 5.718  | 53    | 123852   | 100.540  | ug/l  | 98       |
| 15) Acetone                  | 4.430  | 58    | 32123    | 94.634   | ug/l  | 91       |
| 16) Carbon Disulfide         | 4.712  | 76    | 107311   | 17.439   | ug/l  | 100      |
| 17) Allyl chloride           | 5.018  | 41    | 66768    | 17.882   | ug/l  | 97       |
| 18) Methylene Chloride       | 5.271  | 84    | 50730    | 19.076   | ug/l  | 97       |
| 19) trans-1,2-Dichloroethene | 5.783  | 96    | 45324    | 18.210   | ug/l  | 95       |
| 20) Diisopropyl ether        | 6.665  | 45    | 169937   | 19.141   | ug/l  | 97       |
| 21) 1,1-Dichloroethane       | 6.571  | 63    | 90945    | 18.714   | ug/l  | 99       |
| 22) cis-1,2-Dichloroethene   | 7.482  | 96    | 57914    | 18.608   | ug/l  | 98       |
| 23) tert-Butyl Alcohol       | 5.512  | 59    | 51355    | 107.616  | ug/l  | # 14     |
| 24) Methyl tert-Butyl Ether  | 5.788  | 73    | 171183   | 19.841   | ug/l  | 100      |
| 25) Chloroform               | 7.965  | 83    | 94385    | 19.190   | ug/l  | 94       |
| 26) Cyclohexane              | 8.253  | 56    | 76077    | 17.730   | ug/l  | # 99     |
| 29) 1,1-Dichloropropene      | 8.371  | 75    | 63858    | 18.050   | ug/l  | 99       |
| 30) 2-Butanone               | 7.477  | 43    | 173399   | 100.981  | ug/l  | 99       |
| 31) 2,2-Dichloropropane      | 7.482  | 77    | 81655    | 17.955   | ug/l  | 98       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 78491    | 18.566   | ug/l  | 99       |
| 33) Carbon Tetrachloride     | 8.359  | 117   | 64284    | 18.471   | ug/l  | 96       |
| 34) Benzene                  | 8.600  | 78    | 211061   | 18.757   | ug/l  | 94       |
| 35) Methacrylonitrile        | 7.777  | 41    | 37621    | 19.206   | ug/l  | 94       |
| 36) 1,2-Dichloroethane       | 8.665  | 62    | 69854    | 19.121   | ug/l  | 99       |
| 37) Trichloroethene          | 9.347  | 130   | 50960    | 18.091   | ug/l  | 95       |
| 38) Methylcyclohexane        | 9.600  | 83    | 72135    | 17.654   | ug/l  | 98       |
| 39) 1,2-Dichloropropane      | 9.623  | 63    | 52069    | 18.731   | ug/l  | 96       |
| 40) Dibromomethane           | 9.706  | 93    | 35726    | 19.218   | ug/l  | 96       |
| 41) Bromodichloromethane     | 9.888  | 83    | 76054    | 19.332   | ug/l  | 98       |
| 42) Vinyl Acetate            | 6.600  | 43    | 580685   | 97.621   | ug/l  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042425\  
 Data File : VN086397.D  
 Acq On : 24 Apr 2025 16:35  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

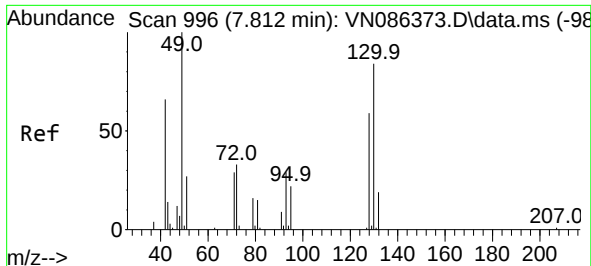
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Quant Time: Apr 25 01:41:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 24 04:42:24 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 7.553  | 43   | 61469    | 18.089  | ug/l  | 94       |
| 44) Isopropyl Acetate         | 8.682  | 43   | 128098   | 19.862  | ug/l  | 100      |
| 45) 1,4-Dioxane               | 9.688  | 88   | 18041    | 358.521 | ug/l  | 98       |
| 46) Methyl methacrylate       | 9.676  | 41   | 58679    | 19.724  | ug/l  | 97       |
| 47) n-amyl Acetate            | 12.488 | 43   | 104497   | 19.010  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 83550    | 18.996  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 87997    | 18.973  | ug/l  | 99       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 51299    | 19.756  | ug/l  | 98       |
| 51) Ethyl methacrylate        | 10.870 | 69   | 87523    | 19.354  | ug/l  | 98       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 90229    | 19.661  | ug/l  | 97       |
| 53) Dibromochloromethane      | 11.359 | 129  | 55166    | 18.920  | ug/l  | 97       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 51828    | 19.631  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 222420   | 104.609 | ug/l  | 100      |
| 56) Bromoform                 | 12.576 | 173  | 36755    | 19.426  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 370811   | 103.231 | ug/l  | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 272153   | 102.813 | ug/l  | 99       |
| 61) Tetrachloroethene         | 11.100 | 164  | 50892    | 17.976  | ug/l  | 98       |
| 62) Toluene                   | 10.623 | 91   | 233340   | 18.780  | ug/l  | 99       |
| 64) Chlorobenzene             | 11.888 | 112  | 143256   | 18.504  | ug/l  | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.953 | 131  | 49944    | 19.294  | ug/l  | 99       |
| 66) Ethyl Benzene             | 11.959 | 91   | 258262   | 18.466  | ug/l  | 100      |
| 67) m/p-Xylenes               | 12.064 | 106  | 193892   | 36.539  | ug/l  | 98       |
| 68) o-Xylene                  | 12.394 | 106  | 96902    | 18.650  | ug/l  | 97       |
| 69) Styrene                   | 12.406 | 104  | 160580   | 18.234  | ug/l  | 100      |
| 70) Isopropylbenzene          | 12.694 | 105  | 236107   | 18.204  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 70460    | 20.632  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 100031   | 33.597  | ug/l  | 39       |
| 73) Bromobenzene              | 12.976 | 156  | 56024    | 18.789  | ug/l  | 99       |
| 74) n-propylbenzene           | 13.035 | 91   | 279045   | 18.106  | ug/l  | 100      |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 174552   | 18.143  | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 193903   | 18.221  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 28391    | 18.789  | ug/l  | 97       |
| 78) 4-Chlorotoluene           | 13.217 | 91   | 173723   | 18.059  | ug/l  | 99       |
| 79) tert-butylbenzene         | 13.435 | 119  | 163207   | 17.907  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 194793   | 17.923  | ug/l  | 97       |
| 81) sec-Butylbenzene          | 13.611 | 105  | 234276   | 18.007  | ug/l  | 99       |
| 82) p-Isopropyltoluene        | 13.723 | 119  | 194150   | 17.834  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 100453   | 17.822  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 13.806 | 146  | 101087   | 18.152  | ug/l  | 98       |
| 85) n-Butylbenzene            | 14.053 | 91   | 170458   | 17.548  | ug/l  | 99       |
| 86) Hexachloroethane          | 14.329 | 117  | 31617    | 17.761  | ug/l  | 99       |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 97757    | 18.227  | ug/l  | 100      |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 13810    | 19.895  | ug/l  | 98       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 47051    | 19.249  | ug/l  | 99       |
| 90) Hexachlorobutadiene       | 15.494 | 225  | 18240    | 18.525  | ug/l  | 98       |
| 91) Naphthalene               | 15.635 | 128  | 169342   | 19.351  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 47051    | 19.249  | ug/l  | 99       |

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

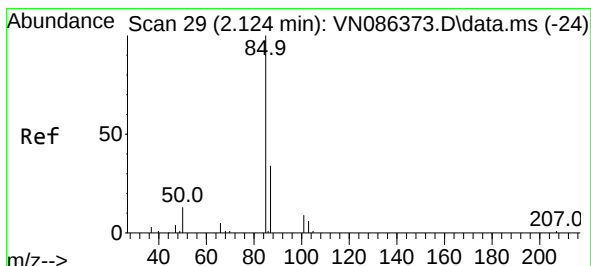
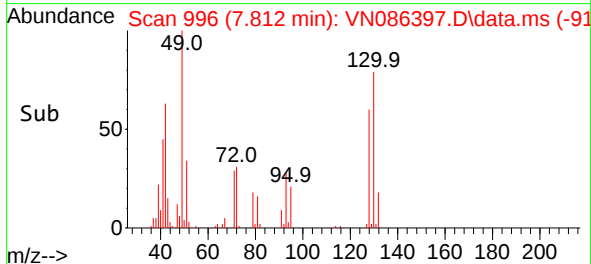
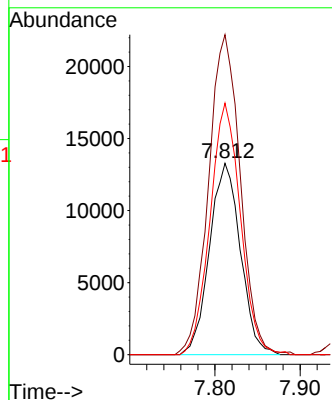
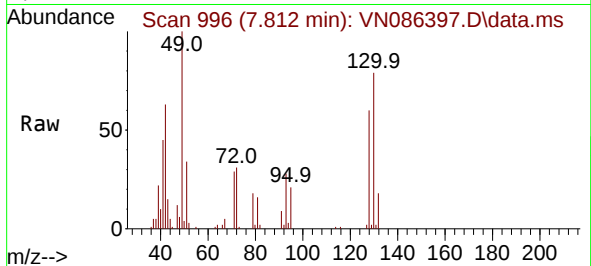




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

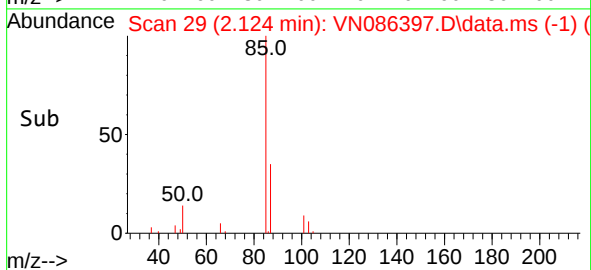
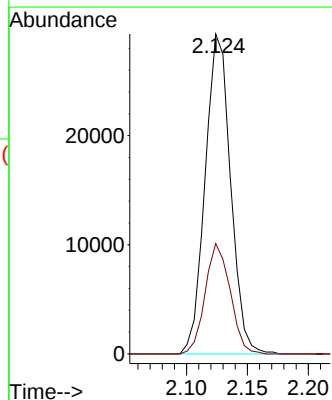
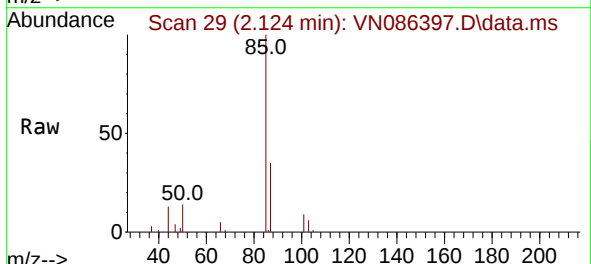
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

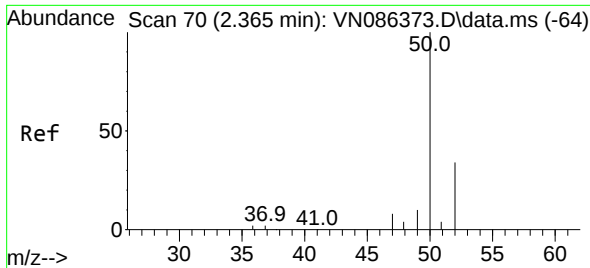
Tgt Ion:128 Resp: 33473  
Ion Ratio Lower Upper  
128 100  
49 171.1 0.0 433.8  
130 129.5 0.0 325.0



#2  
Dichlorodifluoromethane  
Concen: 18.435 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 85 Resp: 42602  
Ion Ratio Lower Upper  
85 100  
87 34.5 17.0 50.9

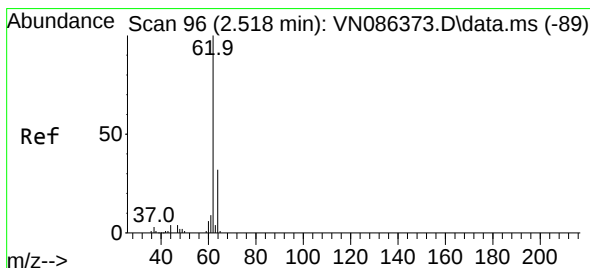
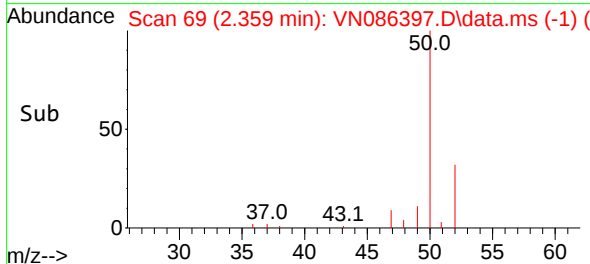
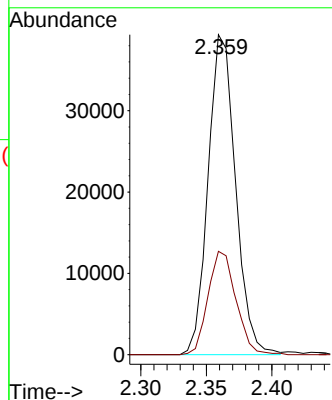
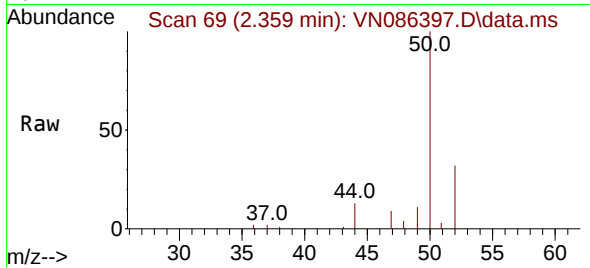




#3  
Chloromethane  
Concen: 17.460 ug/l  
RT: 2.359 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

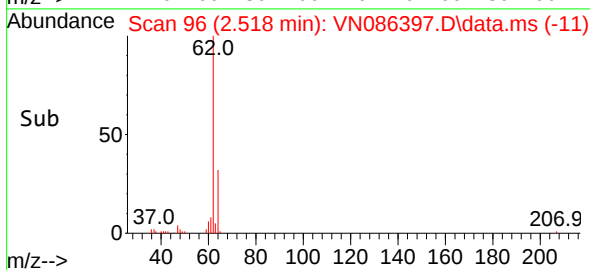
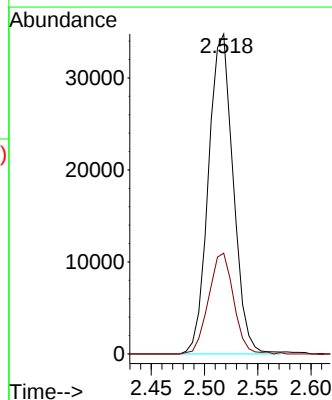
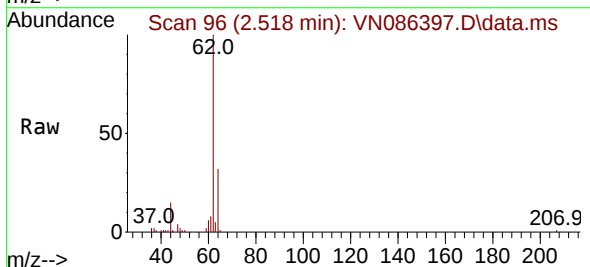
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

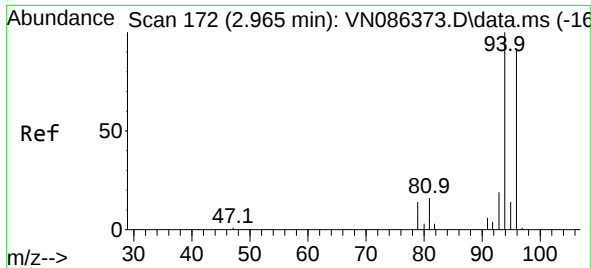
Tgt Ion: 50 Resp: 57315  
Ion Ratio Lower Upper  
50 100  
52 32.3 27.3 40.9



#4  
Vinyl Chloride  
Concen: 17.915 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 62 Resp: 56324  
Ion Ratio Lower Upper  
62 100  
64 31.5 25.8 38.8

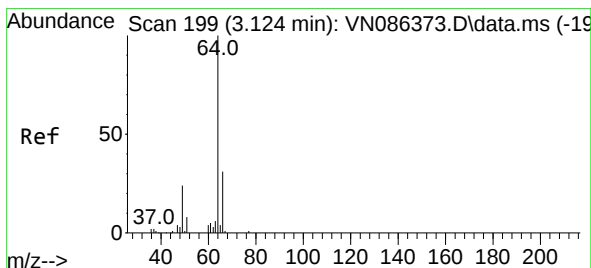
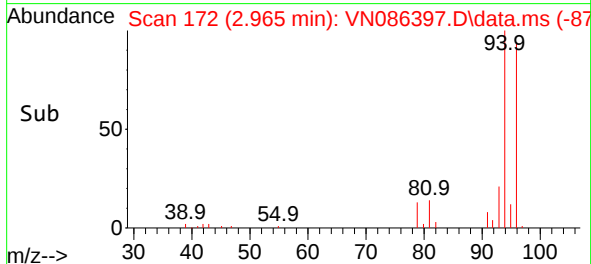
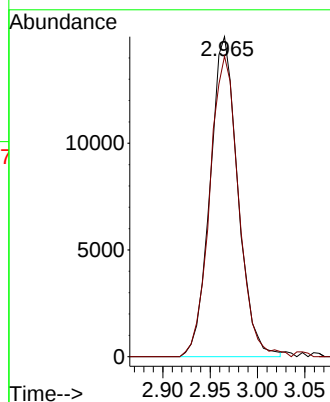
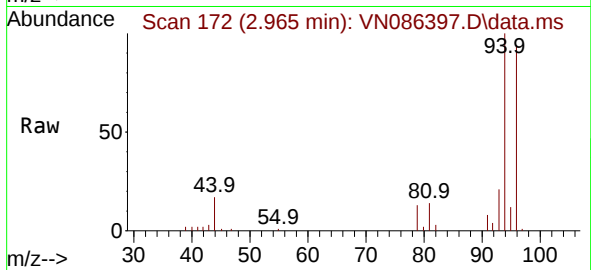




#5  
Bromomethane  
Concen: 18.645 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

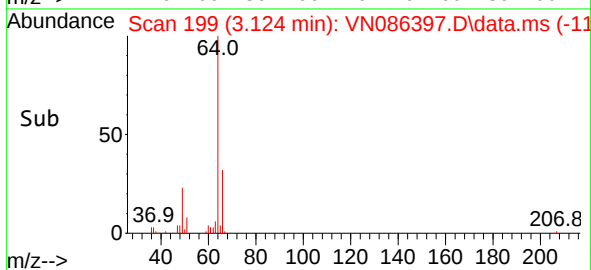
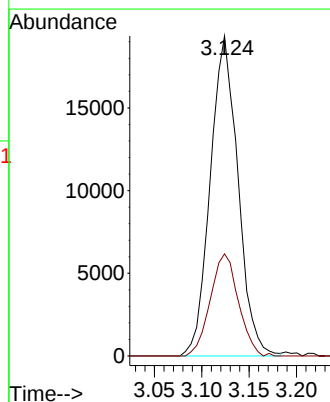
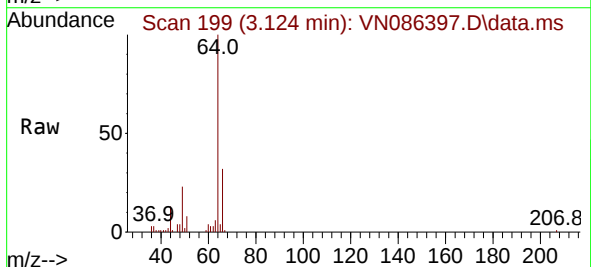
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

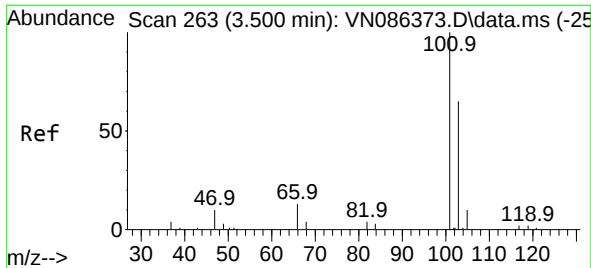
Tgt Ion: 94 Resp: 30605  
Ion Ratio Lower Upper  
94 100  
96 93.9 72.4 108.6



#6  
Chloroethane  
Concen: 18.792 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 64 Resp: 39388  
Ion Ratio Lower Upper  
64 100  
66 31.9 24.5 36.7

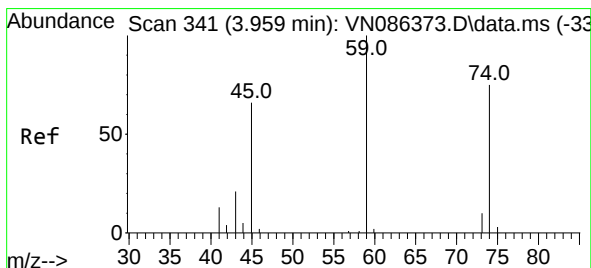
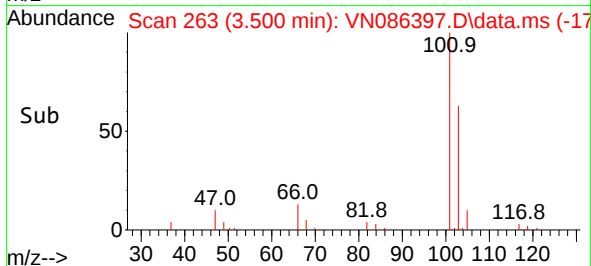
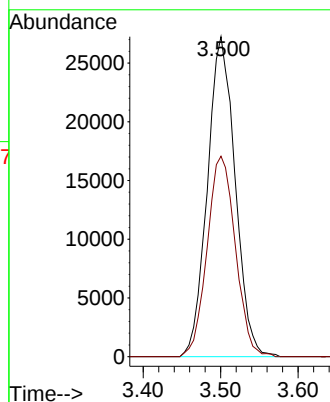
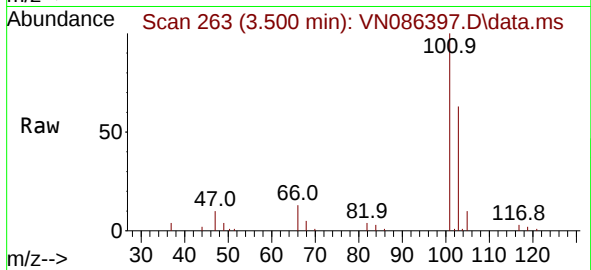




#7  
 Trichlorofluoromethane  
 Concen: 18.277 ug/l  
 RT: 3.500 min Scan# 263  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

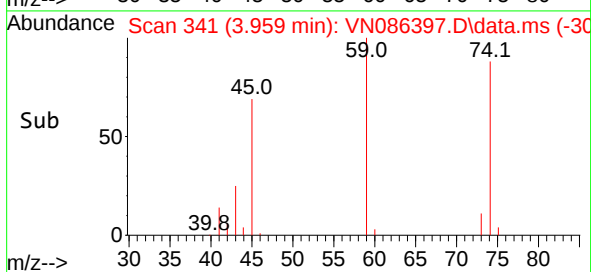
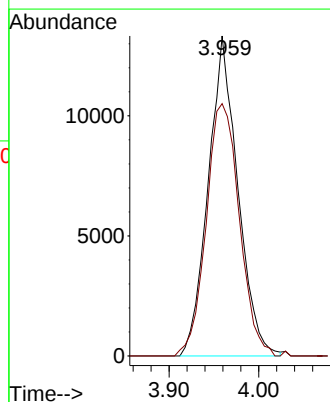
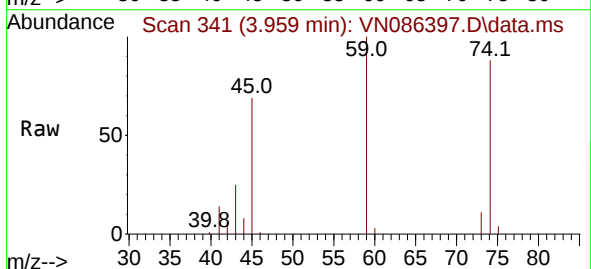
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

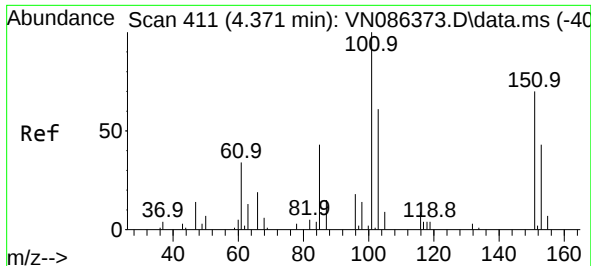
Tgt Ion:101 Resp: 67828  
 Ion Ratio Lower Upper  
 101 100  
 103 62.7 51.8 77.6



#8  
 Diethyl Ether  
 Concen: 19.488 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

Tgt Ion: 74 Resp: 30528  
 Ion Ratio Lower Upper  
 74 100  
 45 88.1 18.5 166.3

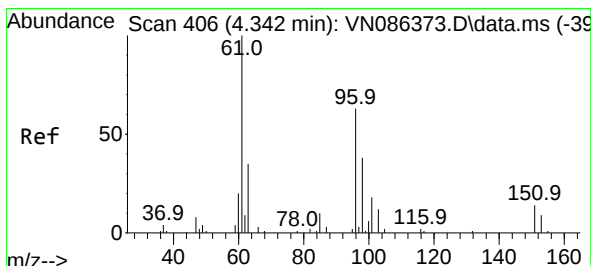
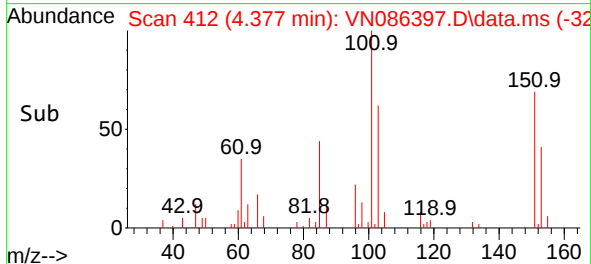
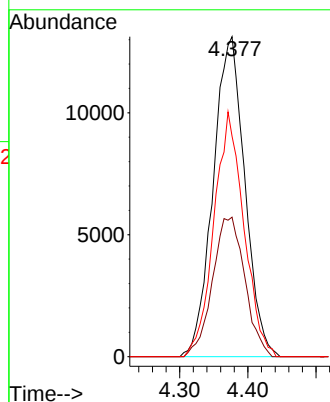
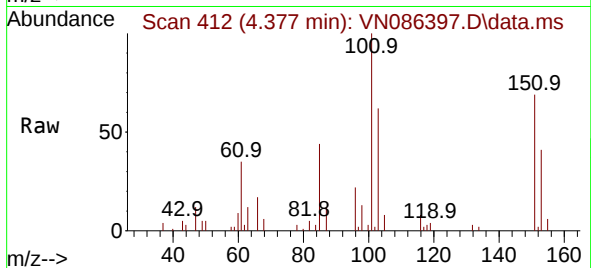




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.591 ug/l  
 RT: 4.377 min Scan# 411  
 Delta R.T. 0.006 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

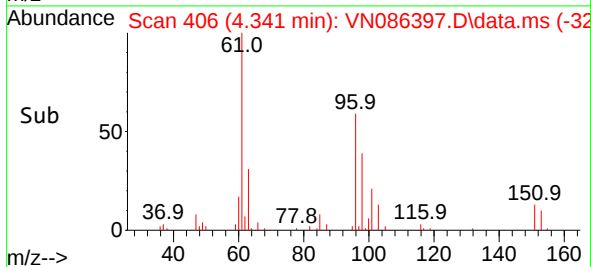
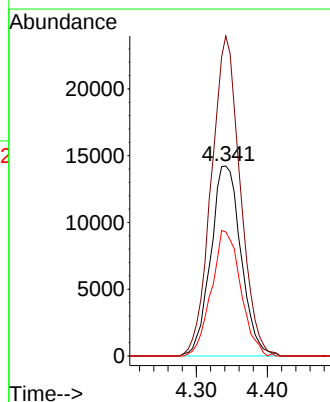
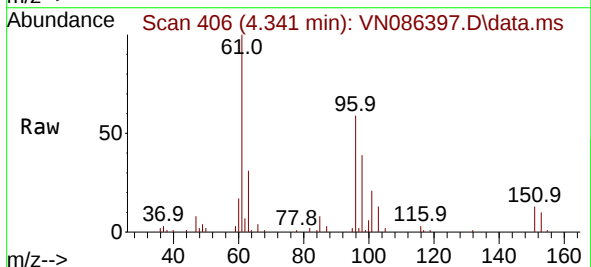
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

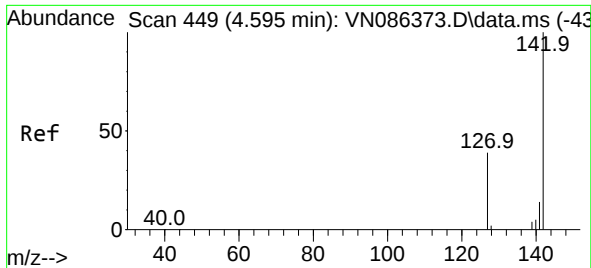
Tgt Ion:101 Resp: 42415  
 Ion Ratio Lower Upper  
 101 100  
 85 44.5 0.0 84.4  
 151 72.3 0.0 145.8



#10  
 1,1-Dichloroethene  
 Concen: 17.996 ug/l  
 RT: 4.341 min Scan# 406  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

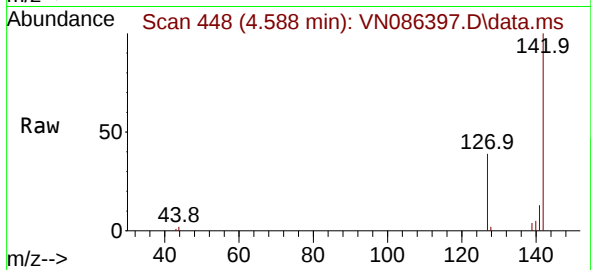
Tgt Ion: 96 Resp: 42023  
 Ion Ratio Lower Upper  
 96 100  
 61 168.5 126.2 189.4  
 98 65.3 48.5 72.7



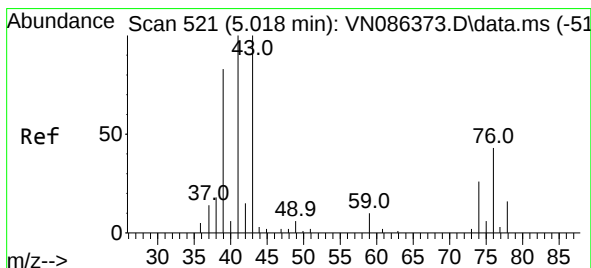
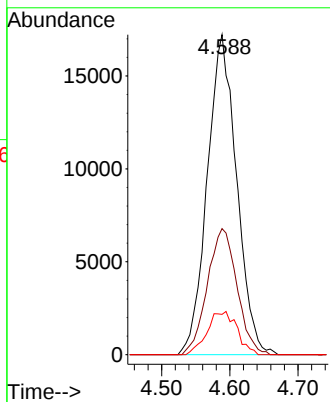
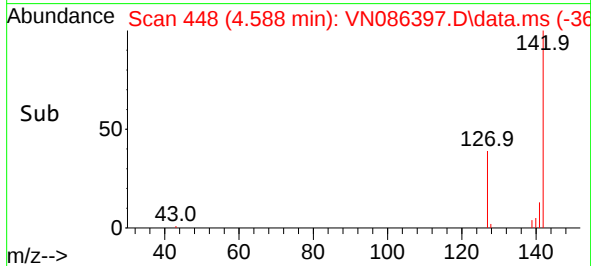


#11  
Methyl Iodide  
Concen: 18.879 ug/l  
RT: 4.588 min Scan# 449  
Delta R.T. -0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

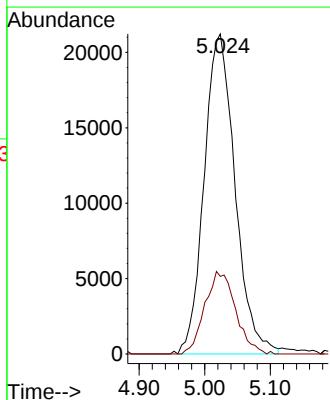
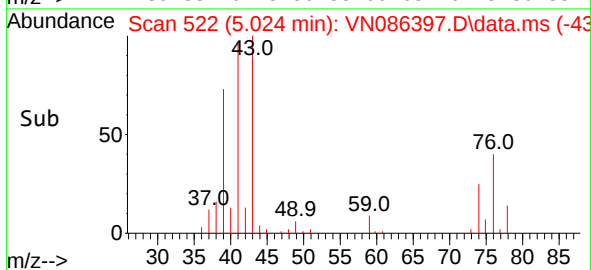
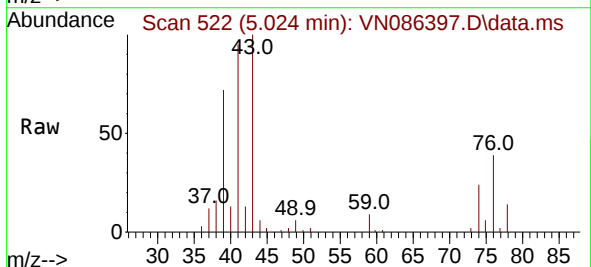


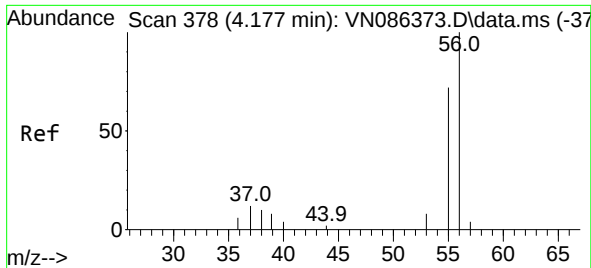
Tgt Ion:142 Resp: 51584  
Ion Ratio Lower Upper  
142 100  
127 39.4 19.3 57.9  
141 12.6 7.1 21.3



#12  
Methyl Acetate  
Concen: 20.988 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 43 Resp: 69467  
Ion Ratio Lower Upper  
43 100  
74 24.4 20.8 31.2

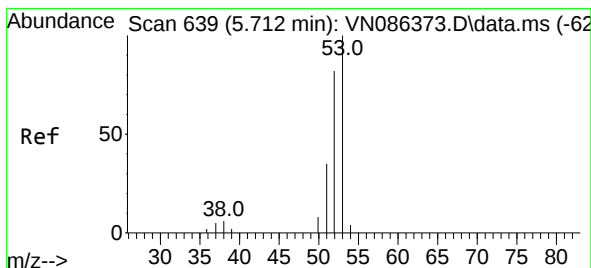
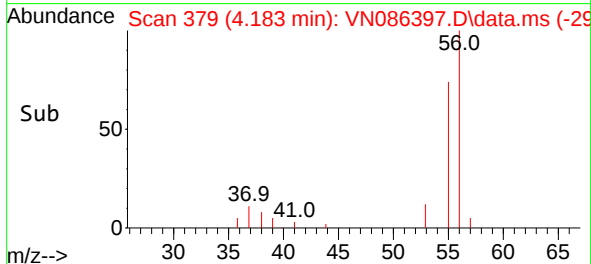
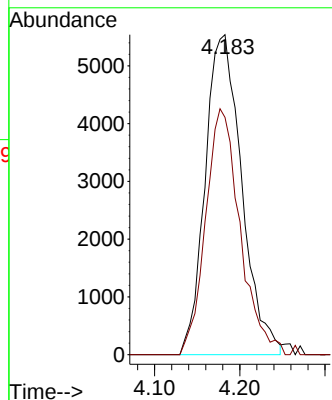
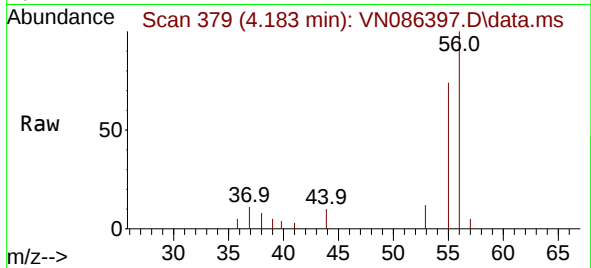




#13  
Acrolein  
Concen: 103.369 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

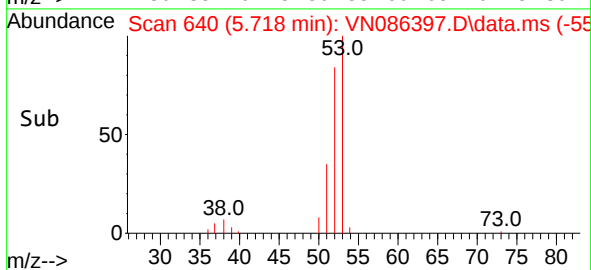
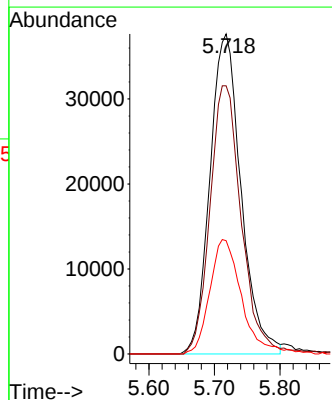
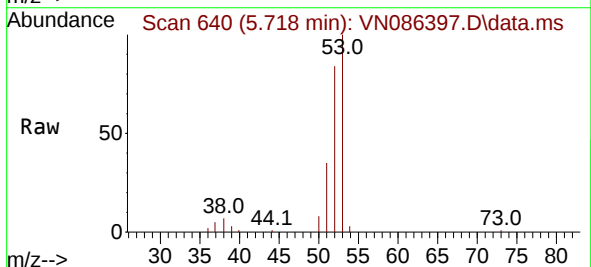
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

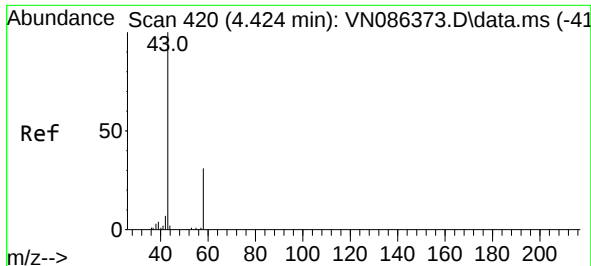
Tgt Ion: 56 Resp: 16513  
Ion Ratio Lower Upper  
56 100  
55 71.5 56.1 84.1



#14  
Acrylonitrile  
Concen: 100.540 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 53 Resp: 123852  
Ion Ratio Lower Upper  
53 100  
52 84.0 41.2 123.6  
51 36.2 17.6 52.8





#15

Acetone

Concen: 94.634 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

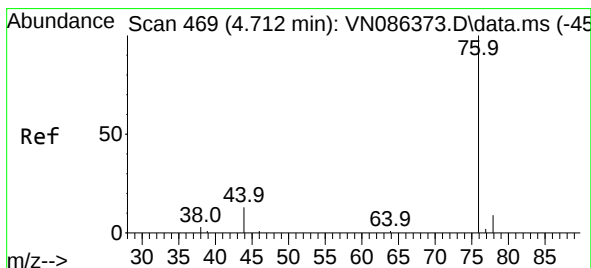
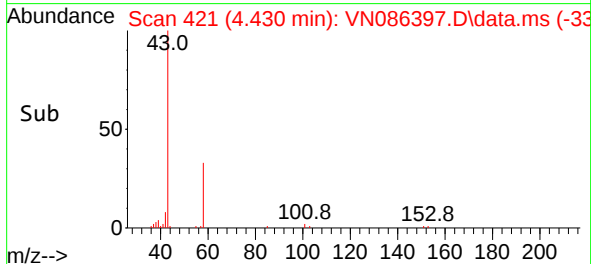
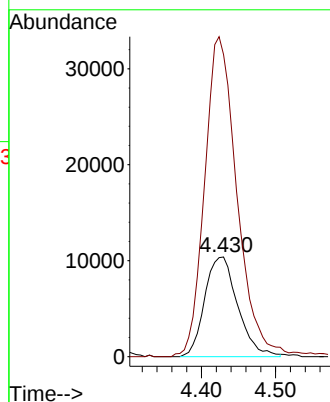
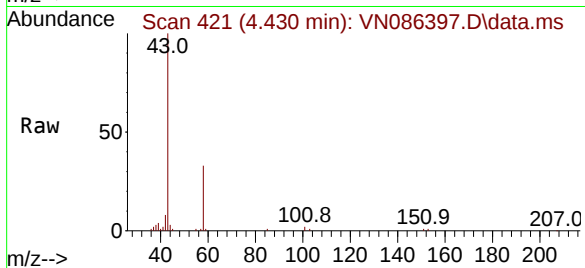
VSTDCCC020EC

Tgt Ion: 58 Resp: 32123

Ion Ratio Lower Upper

58 100

43 299.9 255.1 382.7



#16

Carbon Disulfide

Concen: 17.439 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086397.D

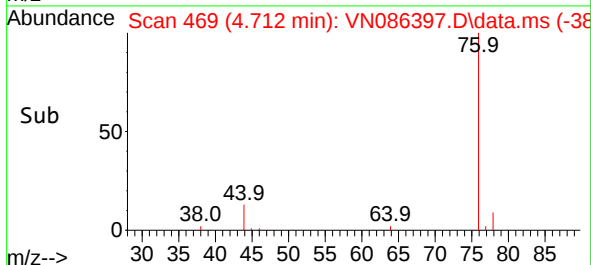
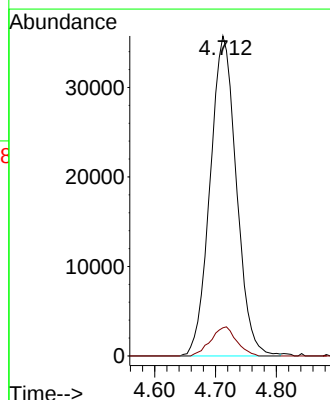
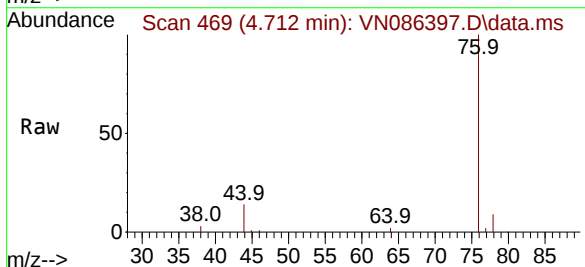
Acq: 24 Apr 2025 16:35

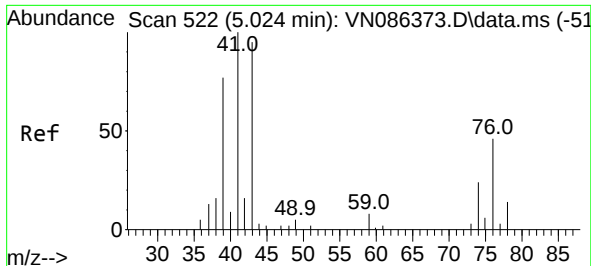
Tgt Ion: 76 Resp: 107311

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7





#17

Allyl chloride

Concen: 17.882 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

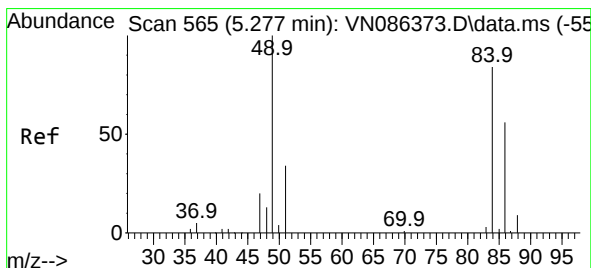
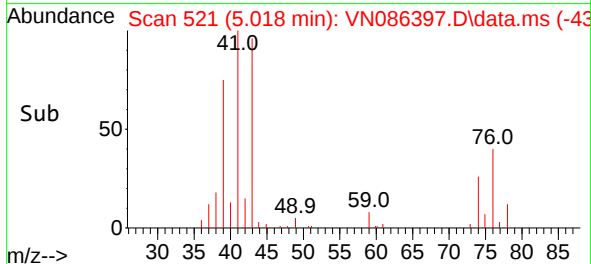
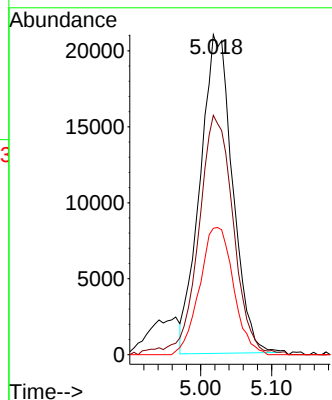
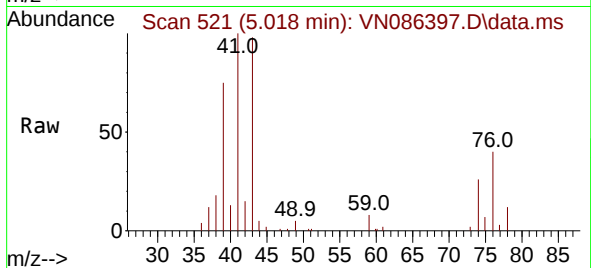
Tgt Ion: 41 Resp: 66768

Ion Ratio Lower Upper

41 100

39 75.0 36.7 110.1

76 40.0 21.8 65.4



#18

Methylene Chloride

Concen: 19.076 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Tgt Ion: 84 Resp: 50730

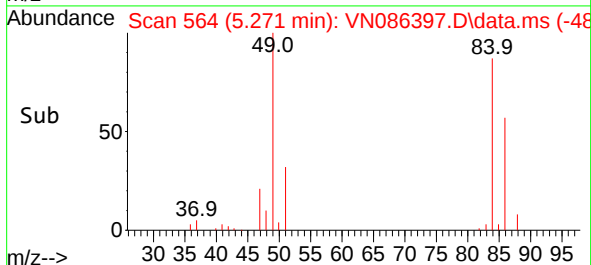
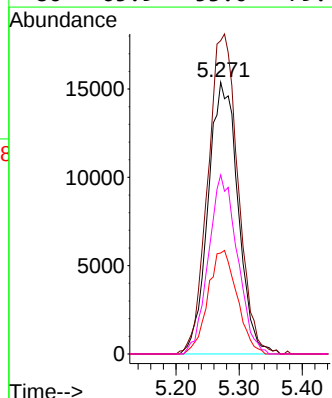
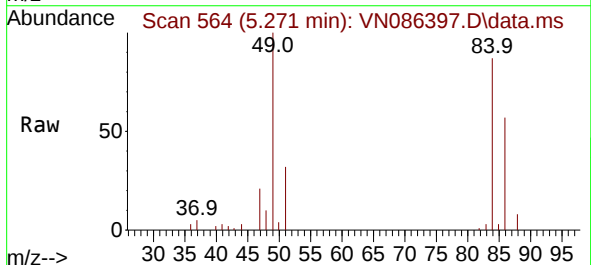
Ion Ratio Lower Upper

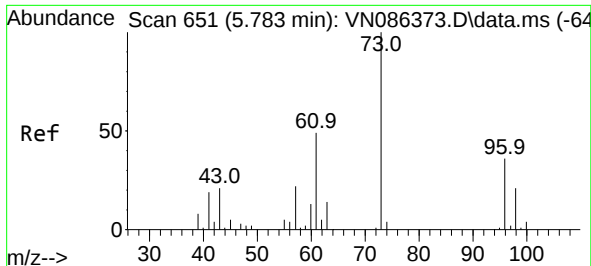
84 100

49 115.4 95.4 143.0

51 37.2 32.8 49.2

86 65.9 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 18.210 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

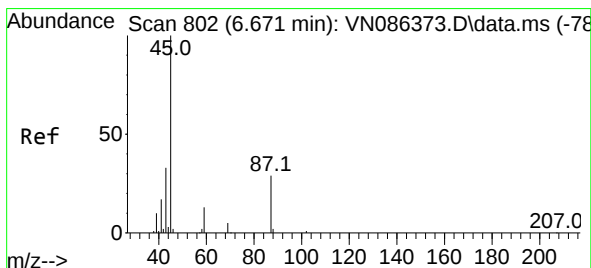
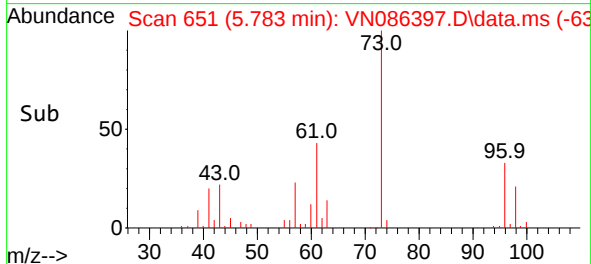
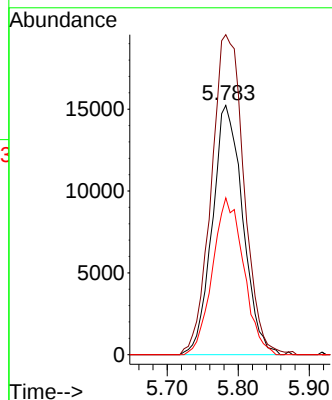
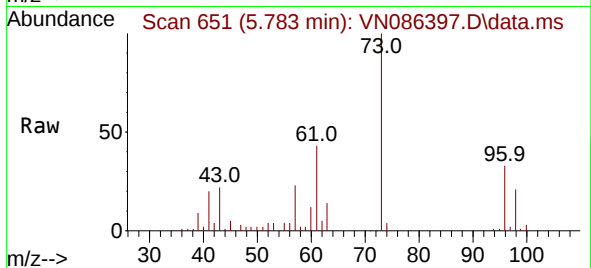
Tgt Ion: 96 Resp: 45324

Ion Ratio Lower Upper

96 100

61 128.4 107.3 160.9

98 62.9 46.7 70.1



#20

Diisopropyl ether

Concen: 19.141 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Tgt Ion: 45 Resp: 169937

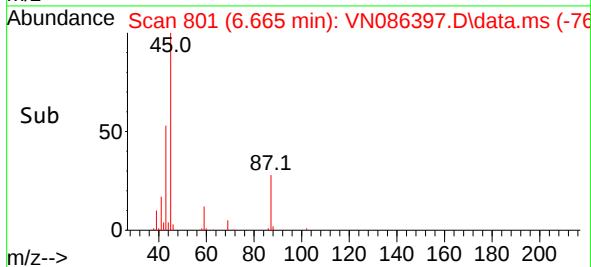
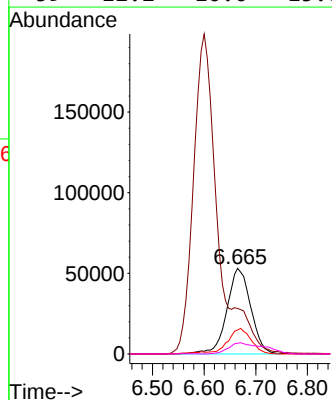
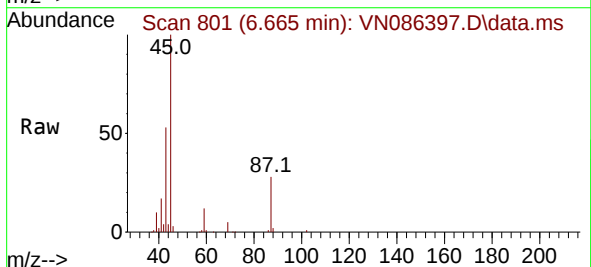
Ion Ratio Lower Upper

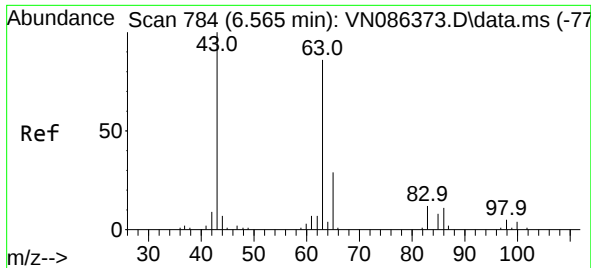
45 100

43 51.1 38.8 58.2

87 28.0 23.5 35.3

59 12.2 10.0 15.0

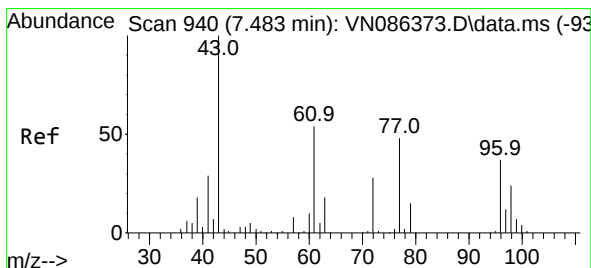
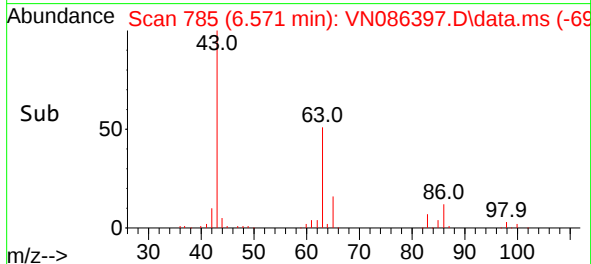
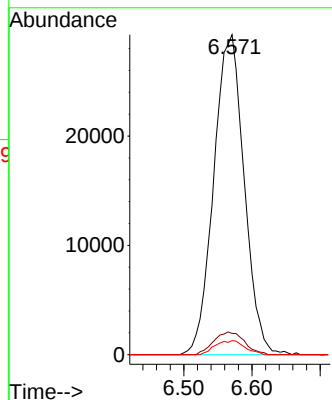
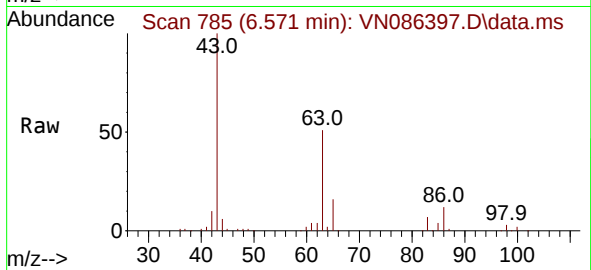




#21  
1,1-Dichloroethane  
Concen: 18.714 ug/l  
RT: 6.571 min Scan# 785  
Delta R.T. 0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

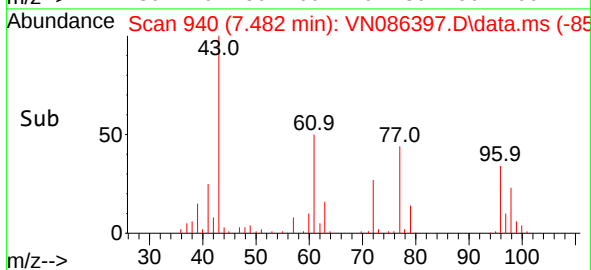
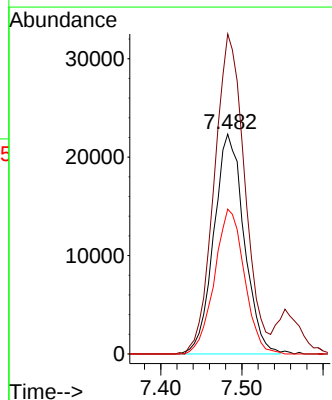
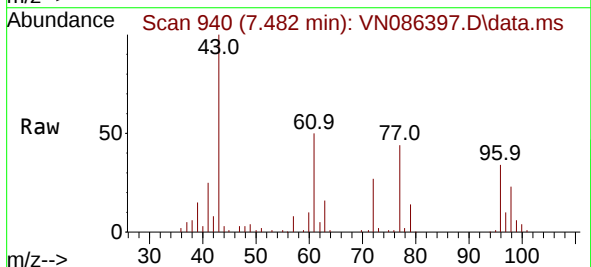
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

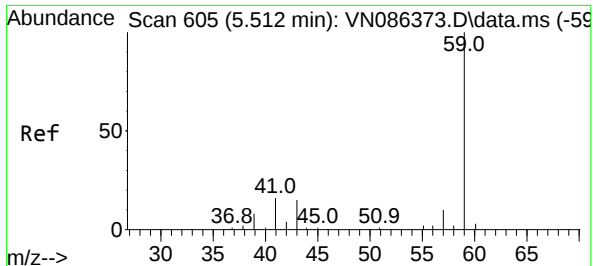
Tgt Ion: 63 Resp: 90945  
Ion Ratio Lower Upper  
63 100  
98 6.7 3.0 9.2  
100 4.4 2.3 6.8



#22  
cis-1,2-Dichloroethene  
Concen: 18.608 ug/l  
RT: 7.482 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 96 Resp: 57914  
Ion Ratio Lower Upper  
96 100  
61 146.7 120.6 181.0  
98 65.0 51.8 77.6

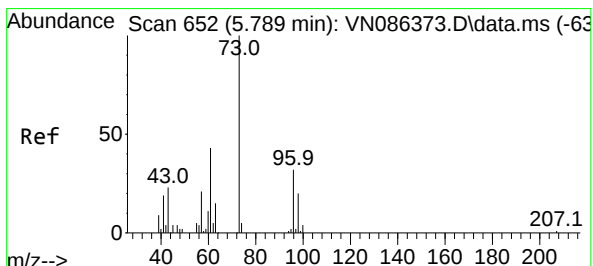
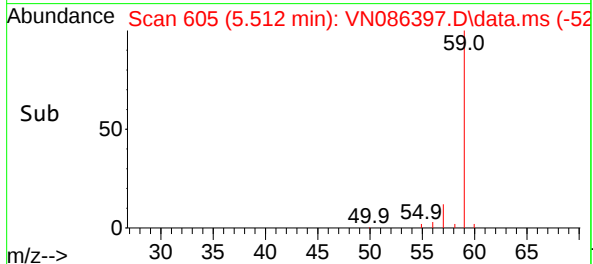
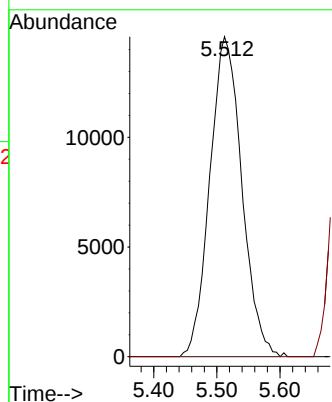
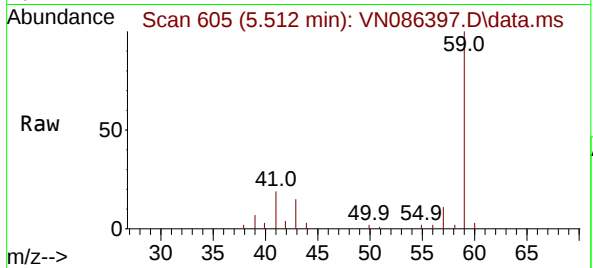




#23  
tert-Butyl Alcohol  
Concen: 107.616 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

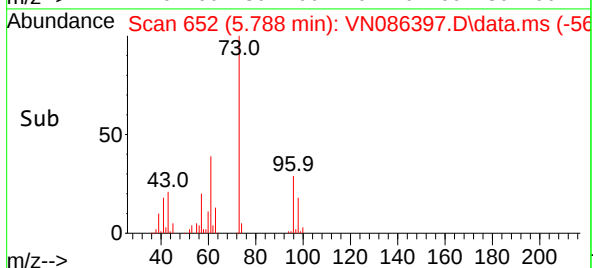
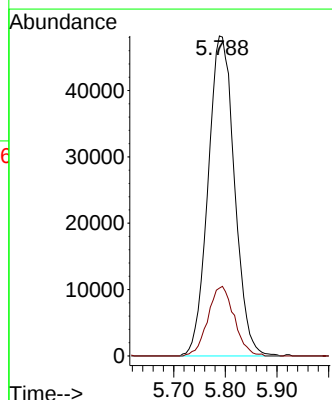
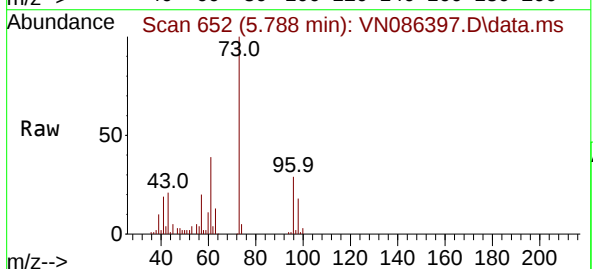
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

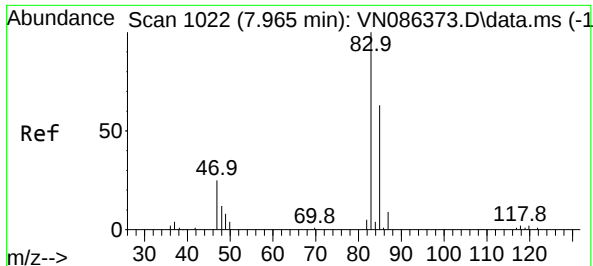
Tgt Ion: 59 Resp: 51355  
Ion Ratio Lower Upper  
59 100  
52 202.6 0.1 0.1#



#24  
Methyl tert-Butyl Ether  
Concen: 19.841 ug/l  
RT: 5.788 min Scan# 652  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 73 Resp: 171183  
Ion Ratio Lower Upper  
73 100  
43 21.6 17.1 25.7





#25

Chloroform

Concen: 19.190 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

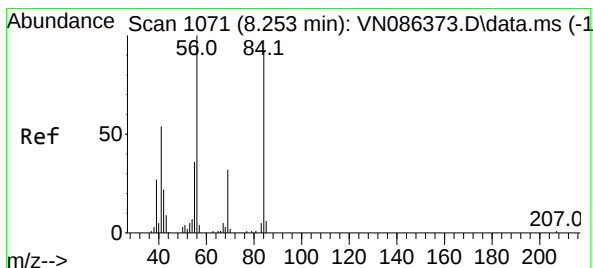
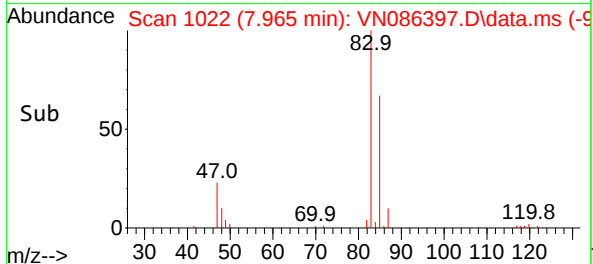
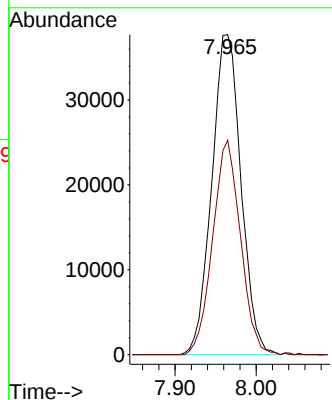
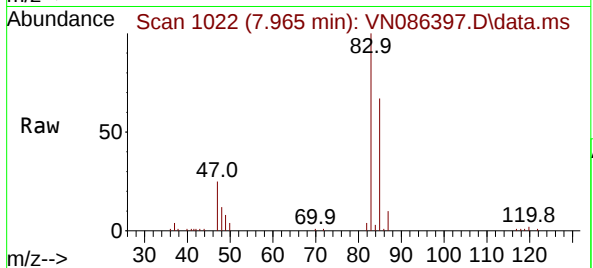
VSTDCCC020EC

Tgt Ion: 83 Resp: 94385

Ion Ratio Lower Upper

83 100

85 67.0 50.2 75.2



#26

Cyclohexane

Concen: 17.730 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

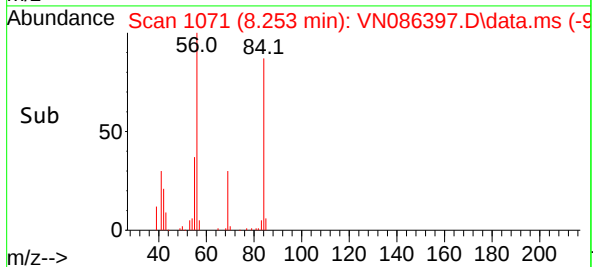
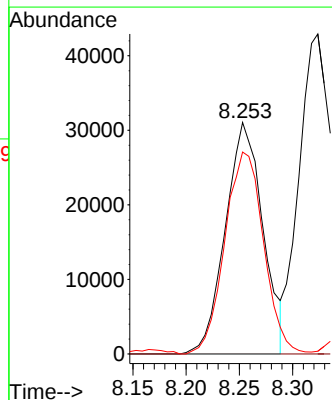
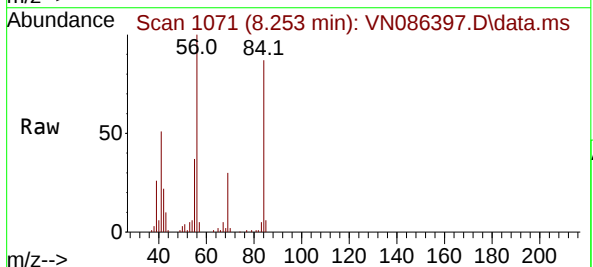
Tgt Ion: 56 Resp: 76077

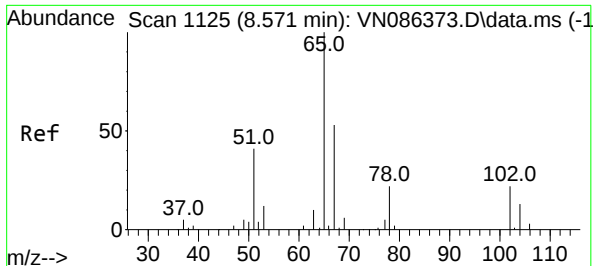
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.3 71.5 107.3

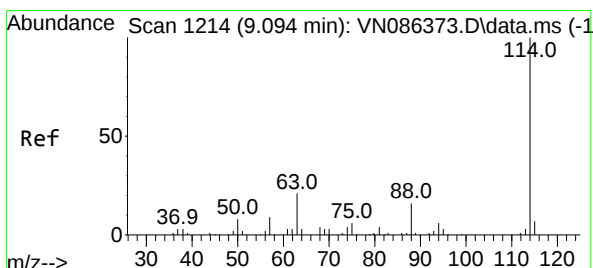
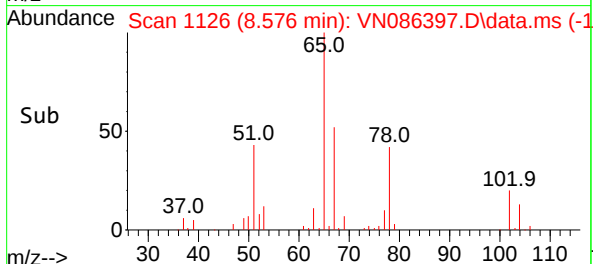
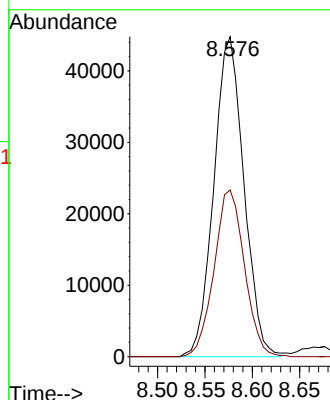
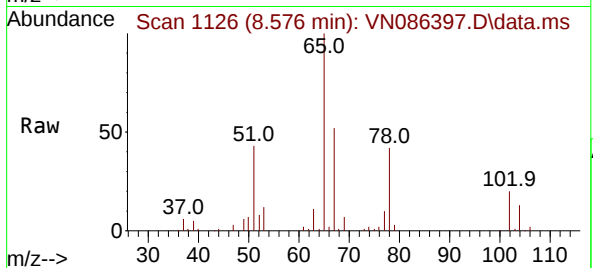




#27  
 1,2-Dichloroethane-d4  
 Concen: 30.610 ug/l  
 RT: 8.576 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

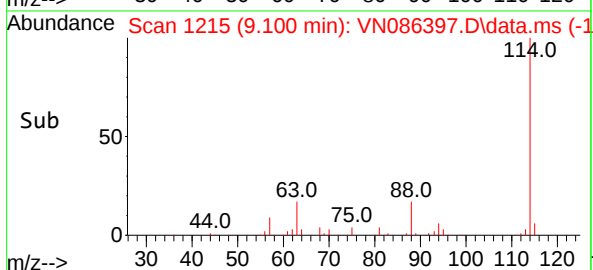
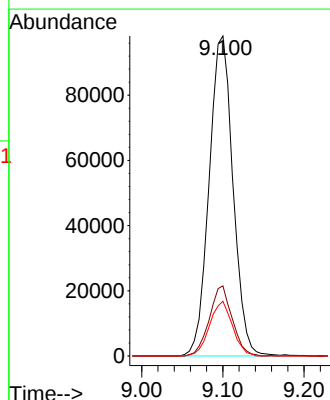
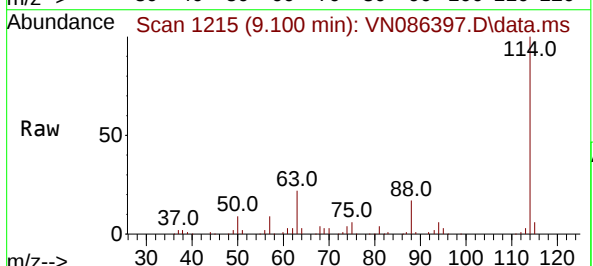
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

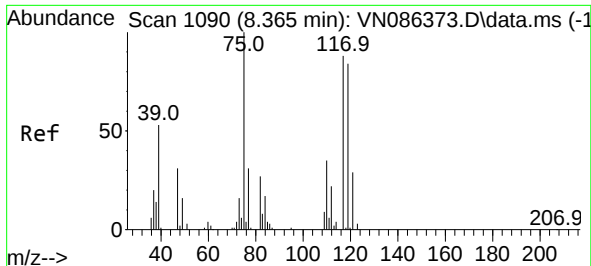
Tgt Ion: 65 Resp: 98786  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 42.5 63.7



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.006 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

Tgt Ion: 114 Resp: 200679  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 16.7 25.1  
 88 16.4 12.6 19.0





#29

1,1-Dichloropropene

Concen: 18.050 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

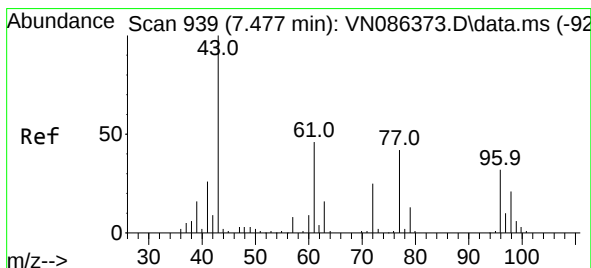
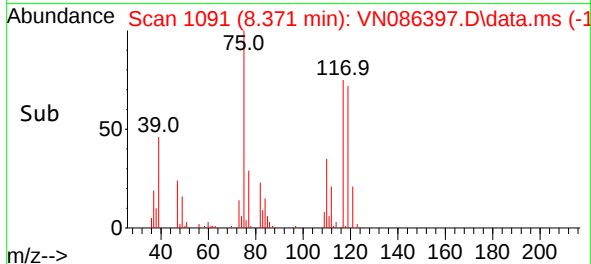
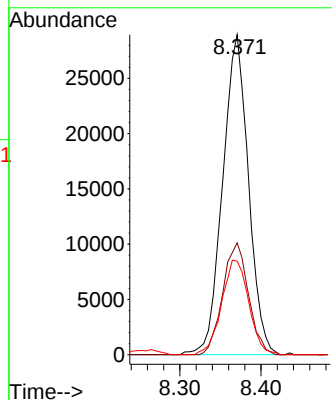
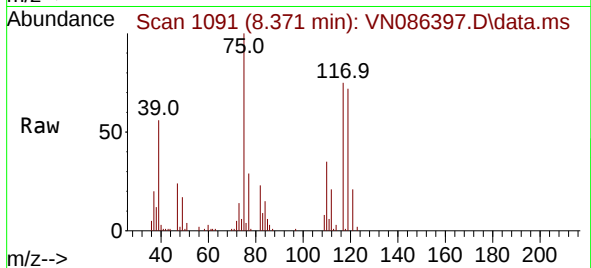
Tgt Ion: 75 Resp: 63858

Ion Ratio Lower Upper

75 100

110 34.8 0.0 68.0

77 31.0 0.0 61.4



#30

2-Butanone

Concen: 100.981 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

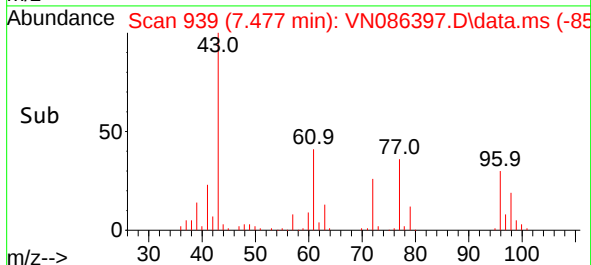
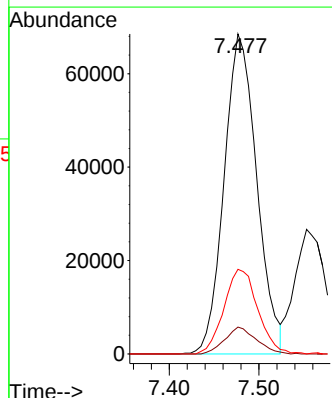
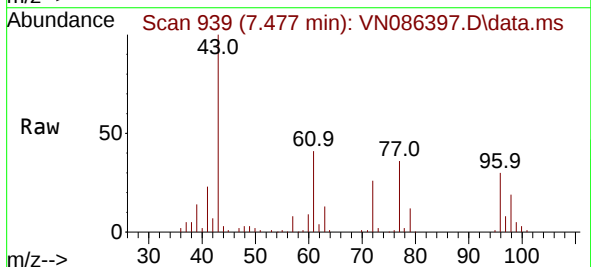
Tgt Ion: 43 Resp: 173399

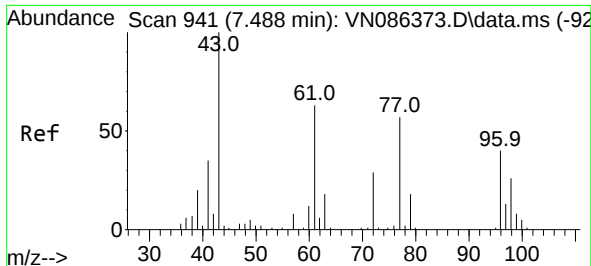
Ion Ratio Lower Upper

43 100

57 8.1 6.6 10.0

72 27.2 22.2 33.4

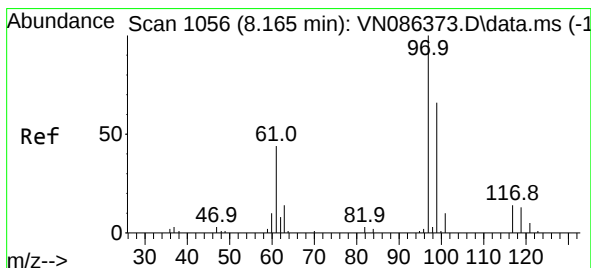
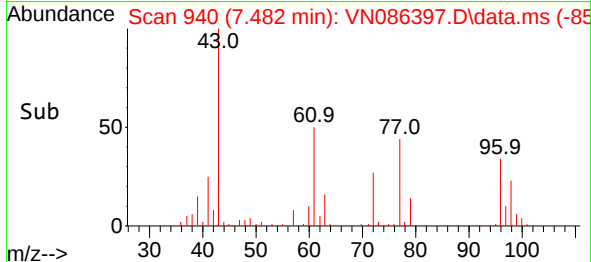
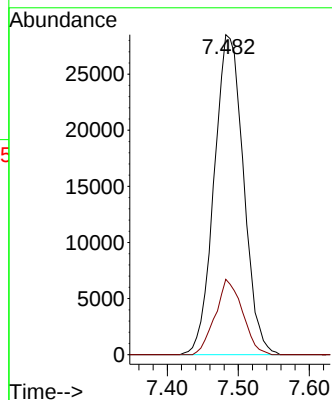
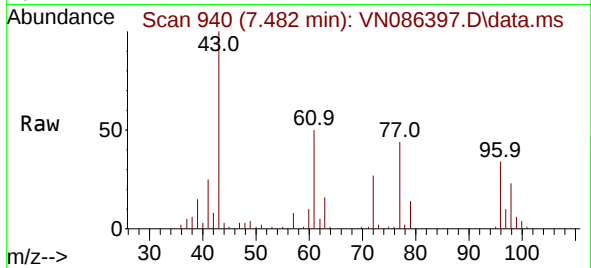




#31  
2,2-Dichloropropane  
Concen: 17.955 ug/l  
RT: 7.482 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

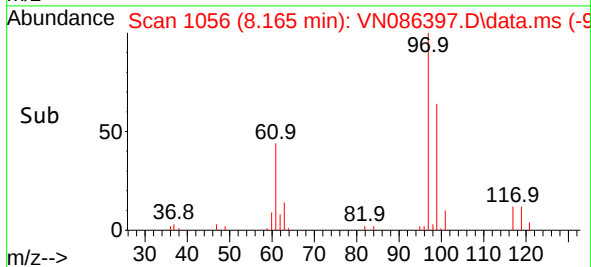
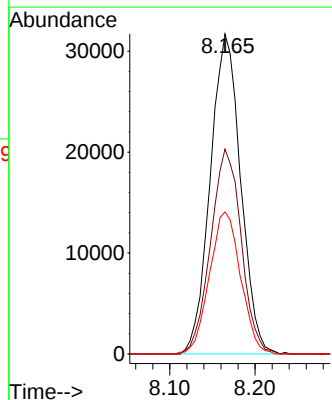
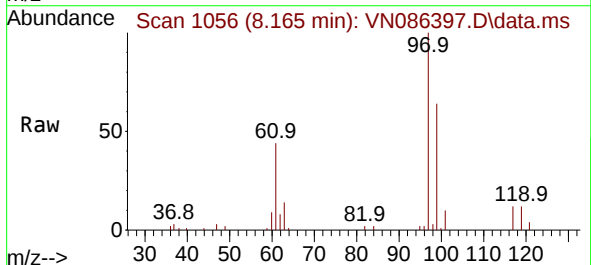
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

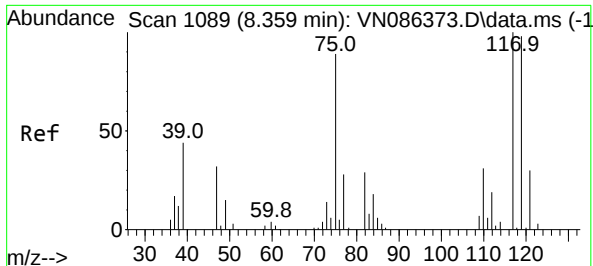
Tgt Ion: 77 Resp: 81655  
Ion Ratio Lower Upper  
77 100  
97 21.8 18.2 27.2



#32  
1,1,1-Trichloroethane  
Concen: 18.566 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 97 Resp: 78491  
Ion Ratio Lower Upper  
97 100  
99 64.4 52.6 79.0  
61 45.5 36.4 54.6

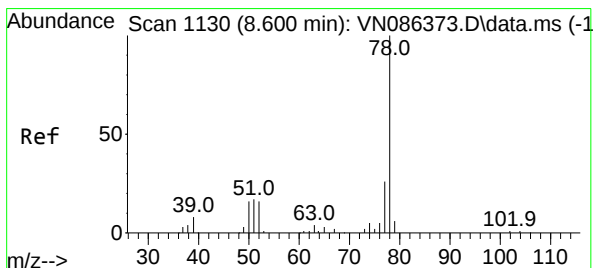
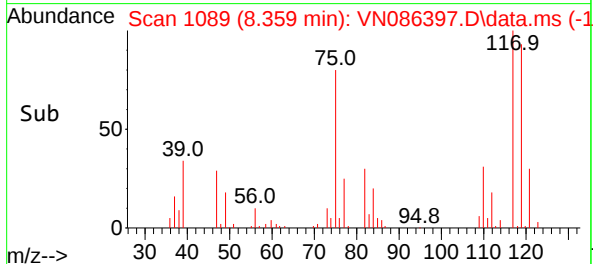
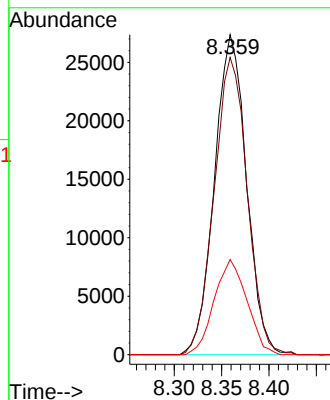
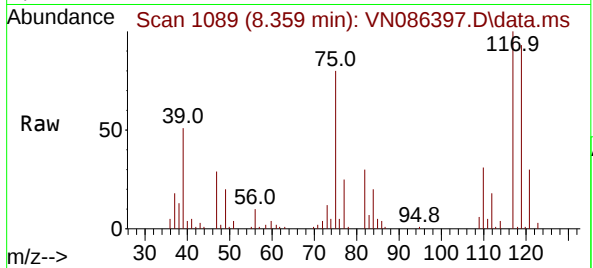




#33  
Carbon Tetrachloride  
Concen: 18.471 ug/l  
RT: 8.359 min Scan# 1108  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

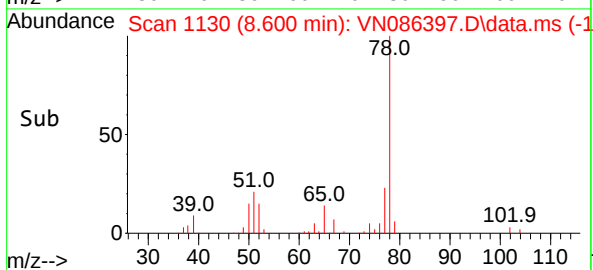
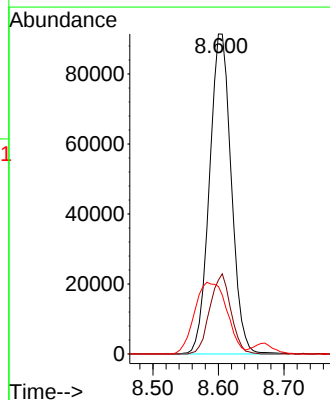
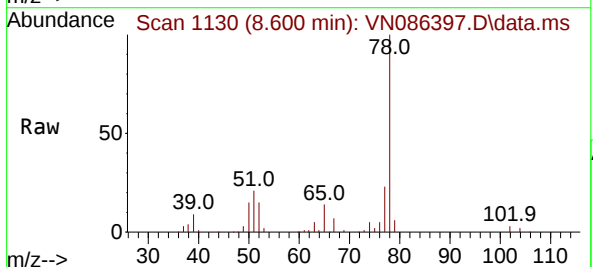
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

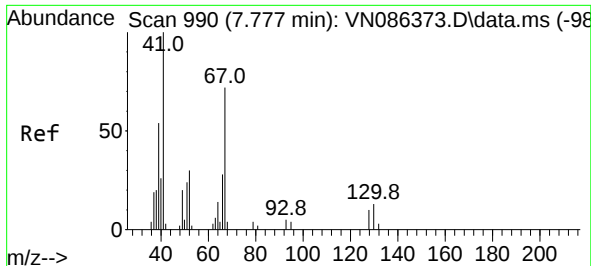
Tgt Ion:117 Resp: 64284  
Ion Ratio Lower Upper  
117 100  
119 92.9 78.6 117.8  
121 29.8 24.0 36.0



#34  
Benzene  
Concen: 18.757 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 78 Resp: 211061  
Ion Ratio Lower Upper  
78 100  
77 23.1 20.8 31.2  
51 20.4 14.0 21.0

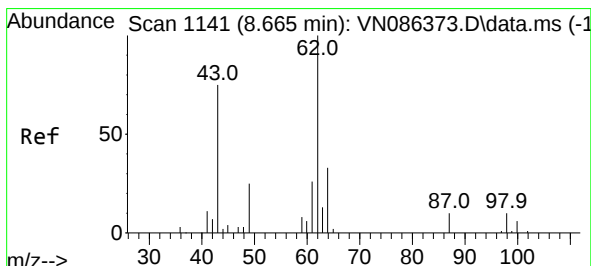
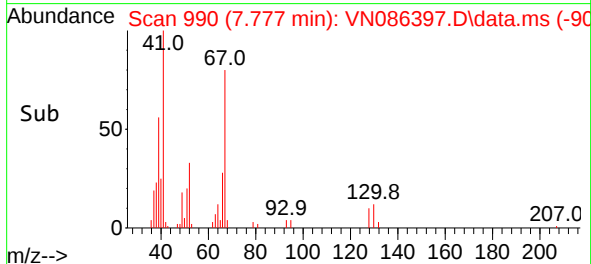
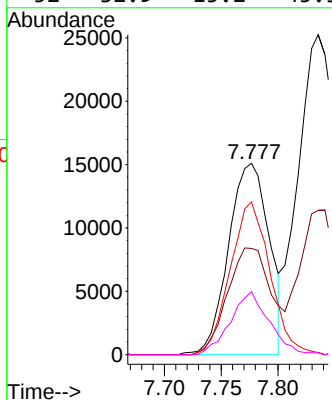
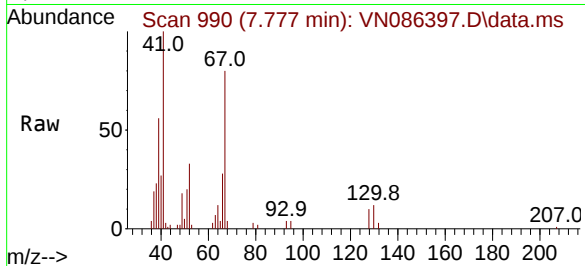




#35  
Methacrylonitrile  
Concen: 19.206 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

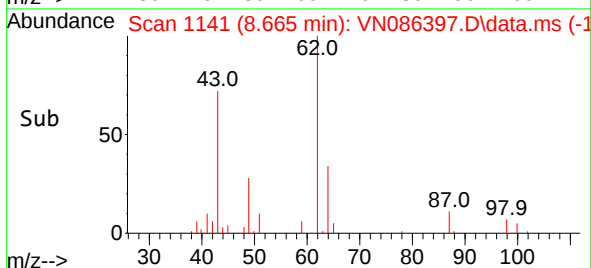
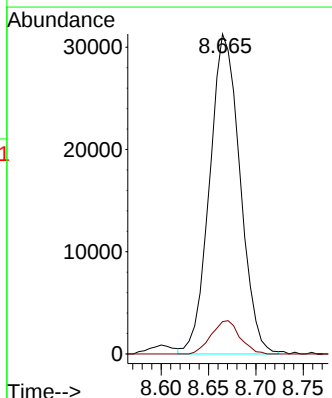
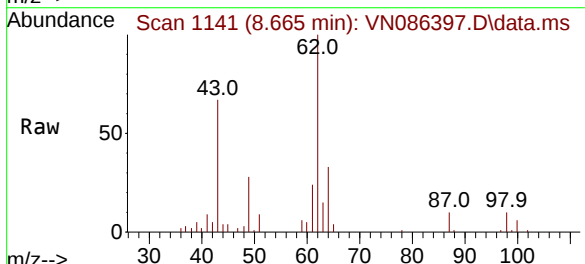
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

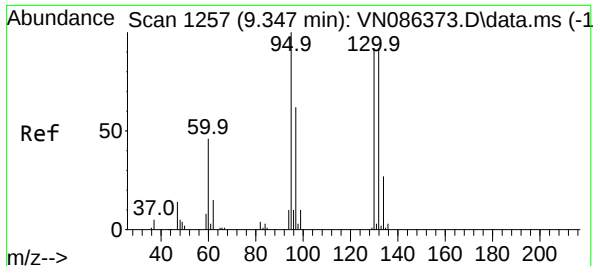
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 37621 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.5  | 27.0  | 80.8  |
| 67       | 79.8  | 35.8  | 107.3 |
| 52       | 32.9  | 15.2  | 45.5  |



#36  
1,2-Dichloroethane  
Concen: 19.121 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 69854 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.7   | 7.6   | 11.4  |





#37

Trichloroethene

Concen: 18.091 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

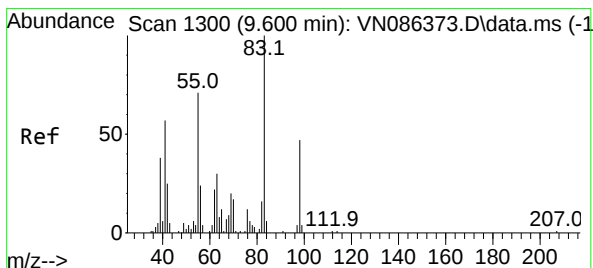
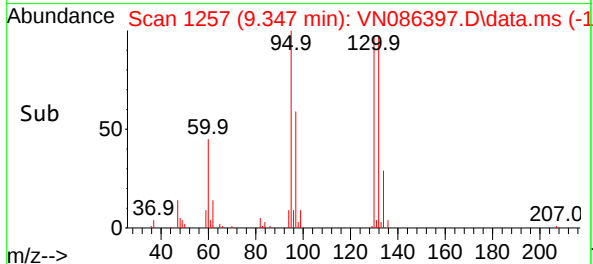
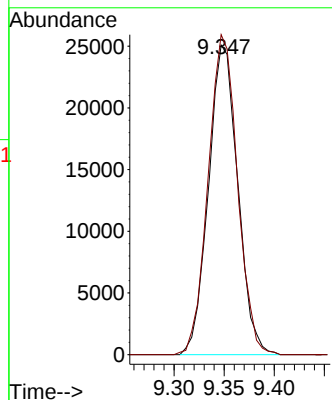
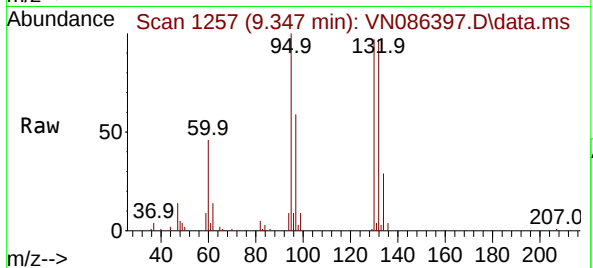
VSTDCCC020EC

Tgt Ion:130 Resp: 50960

Ion Ratio Lower Upper

130 100

95 103.4 86.6 130.0



#38

Methylcyclohexane

Concen: 17.654 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

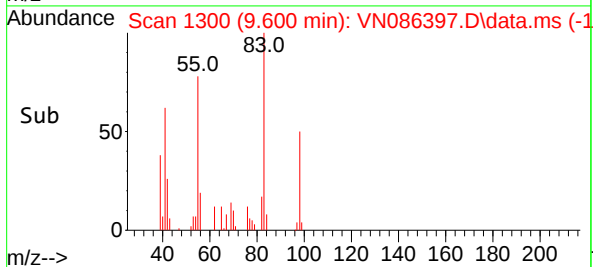
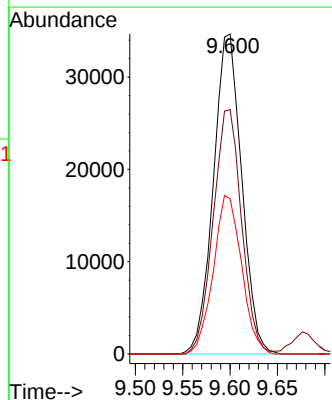
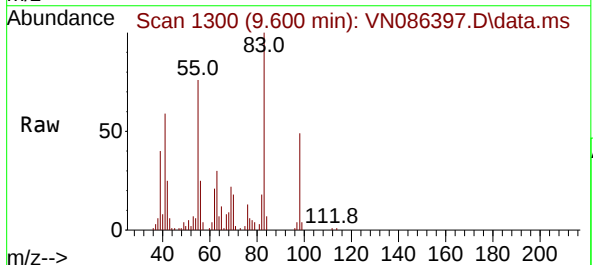
Tgt Ion: 83 Resp: 72135

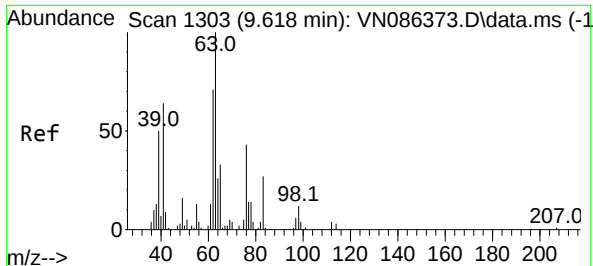
Ion Ratio Lower Upper

83 100

55 76.3 37.3 111.9

98 49.5 23.8 71.5





#39

1,2-Dichloropropane

Concen: 18.731 ug/l

RT: 9.623 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

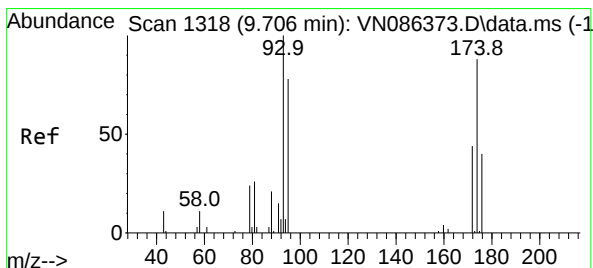
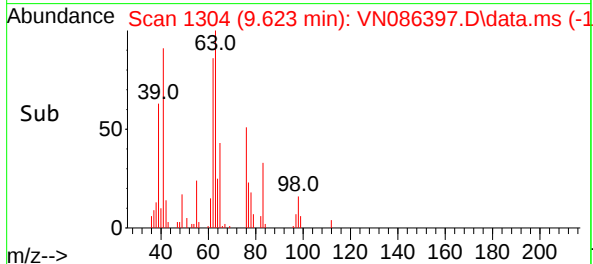
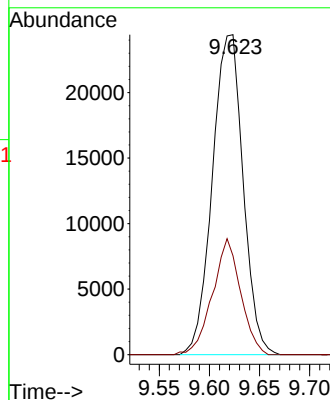
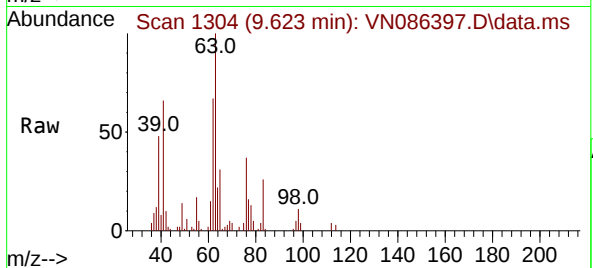
VSTDCCC020EC

Tgt Ion: 63 Resp: 52069

Ion Ratio Lower Upper

63 100

65 30.9 26.7 40.1



#40

Dibromomethane

Concen: 19.218 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

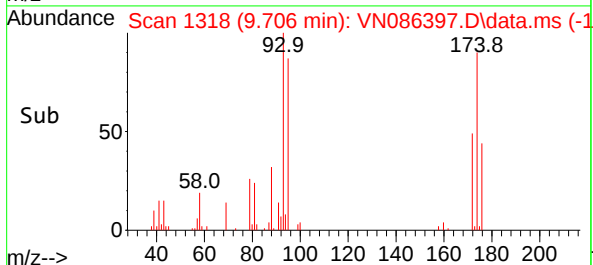
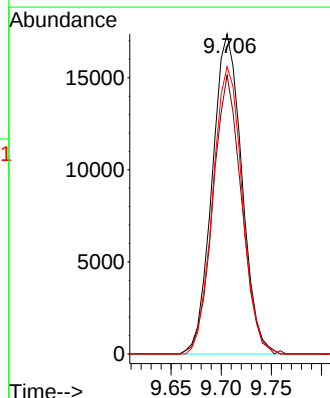
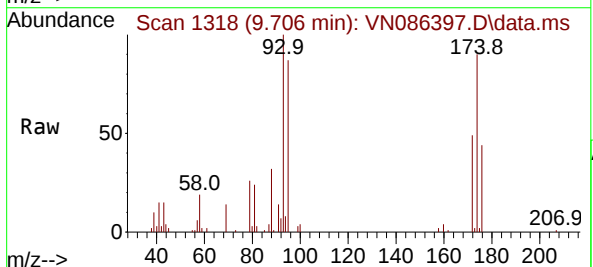
Tgt Ion: 93 Resp: 35726

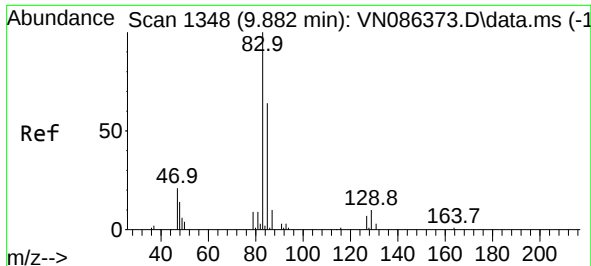
Ion Ratio Lower Upper

93 100

95 83.9 0.0 159.2

174 89.0 0.0 171.4

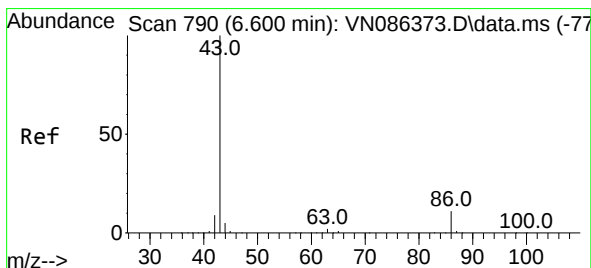
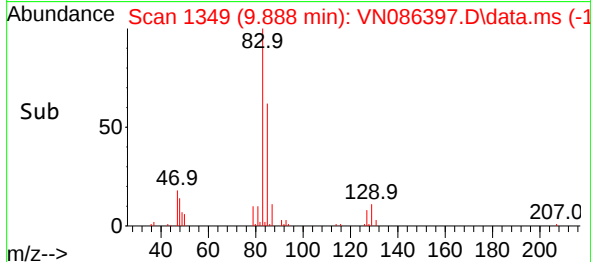
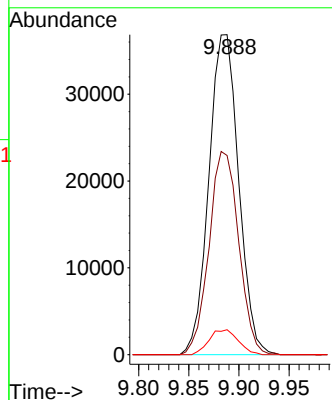
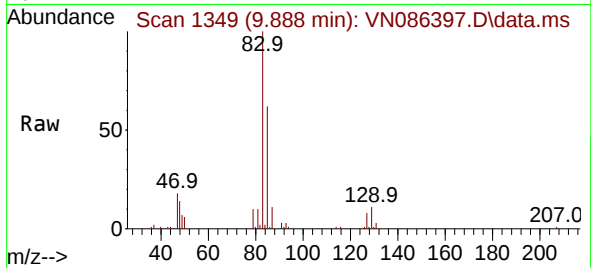




#41  
Bromodichloromethane  
Concen: 19.332 ug/l  
RT: 9.888 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

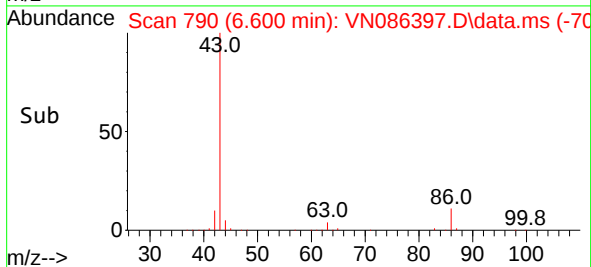
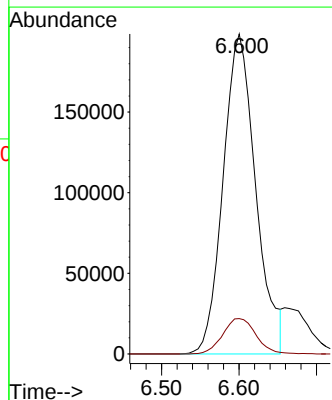
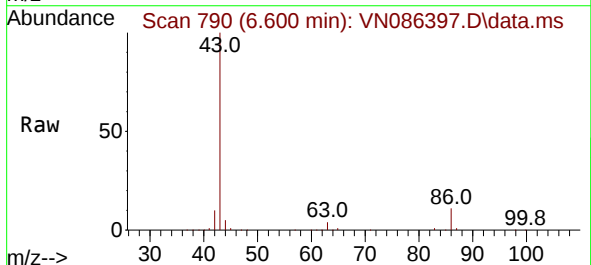
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

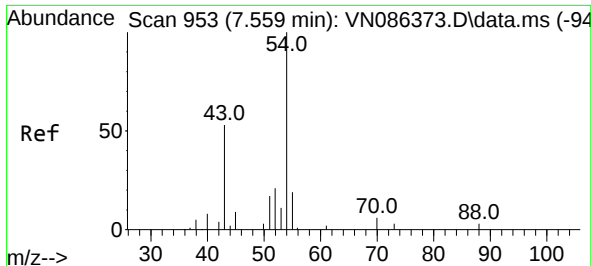
Tgt Ion: 83 Resp: 76054  
Ion Ratio Lower Upper  
83 100  
85 62.3 51.1 76.7  
127 7.8 5.9 8.9



#42  
Vinyl Acetate  
Concen: 97.621 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 43 Resp: 580685  
Ion Ratio Lower Upper  
43 100  
86 11.3 8.9 13.3

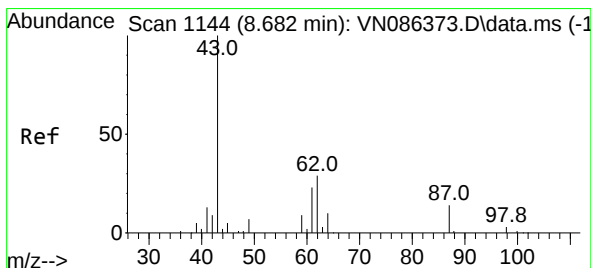
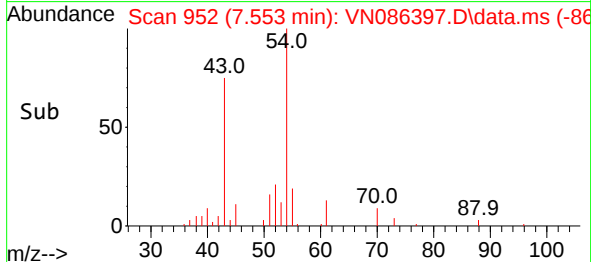
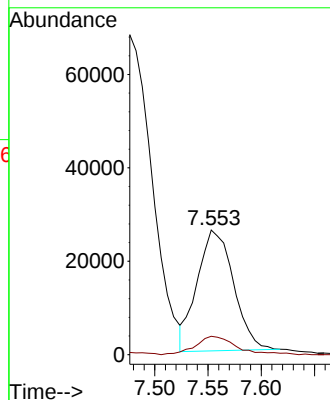
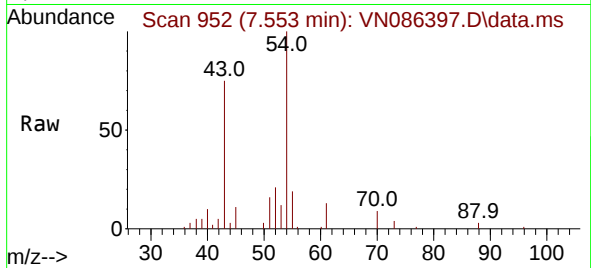




#43  
Ethyl Acetate  
Concen: 18.089 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

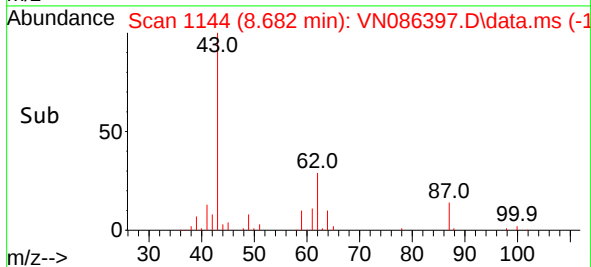
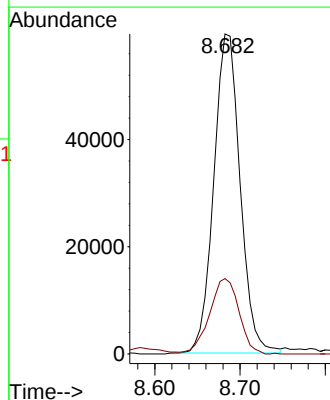
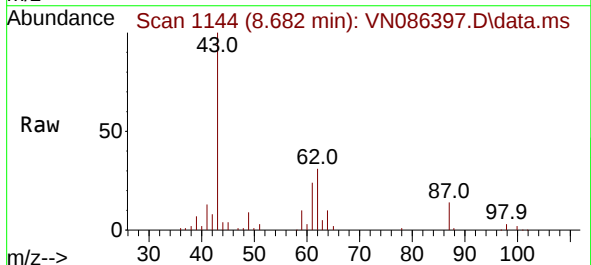
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

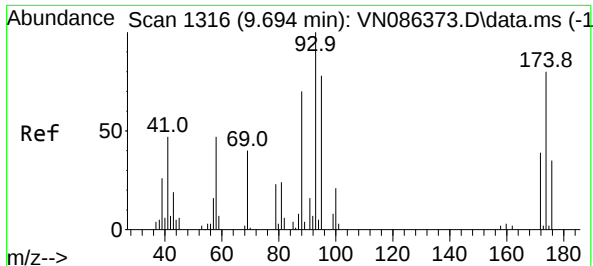
Tgt Ion: 43 Resp: 61469  
Ion Ratio Lower Upper  
43 100  
45 17.0 11.4 17.2



#44  
Isopropyl Acetate  
Concen: 19.862 ug/l  
RT: 8.682 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 43 Resp: 128098  
Ion Ratio Lower Upper  
43 100  
61 26.3 21.0 31.4

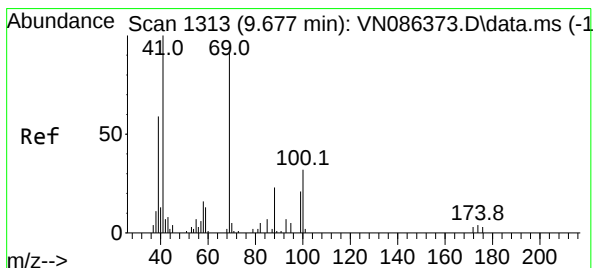
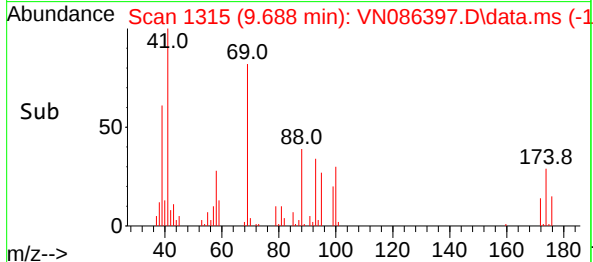
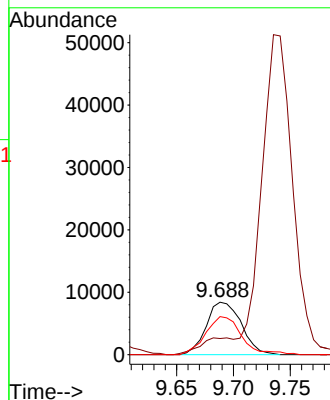
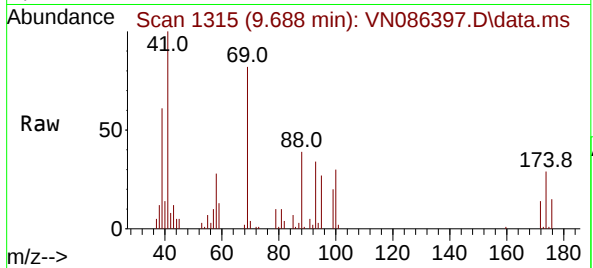




#45  
1,4-Dioxane  
Concen: 358.521 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

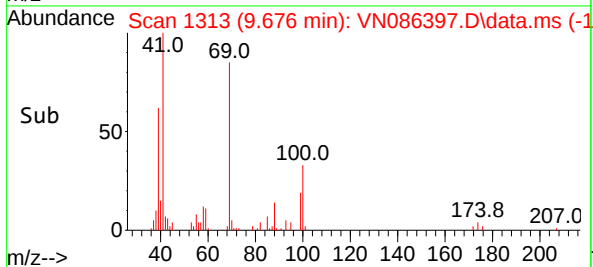
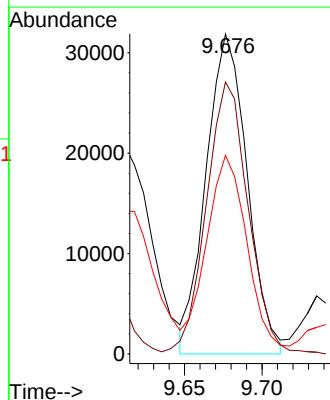
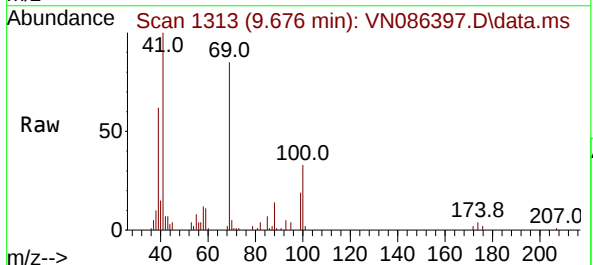
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

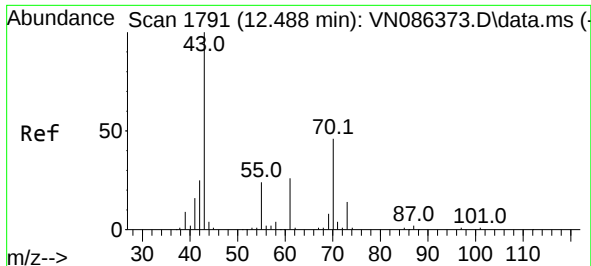
Tgt Ion: 88 Resp: 18041  
Ion Ratio Lower Upper  
88 100  
43 30.7 24.9 37.3  
58 70.8 57.8 86.8



#46  
Methyl methacrylate  
Concen: 19.724 ug/l  
RT: 9.676 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 41 Resp: 58679  
Ion Ratio Lower Upper  
41 100  
69 85.8 44.1 132.3  
39 62.0 30.0 90.1

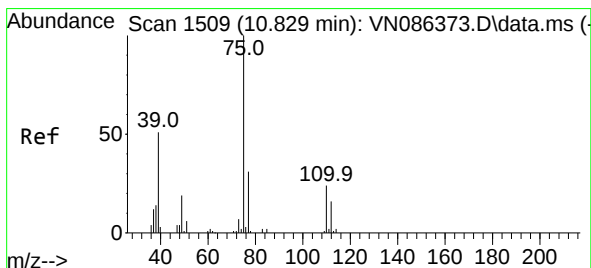
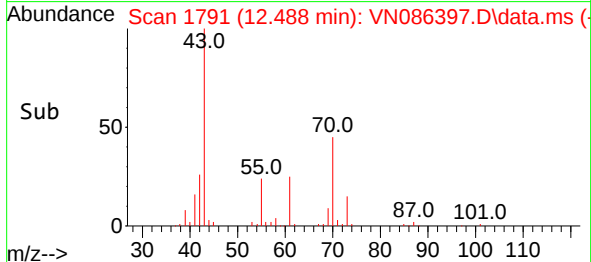
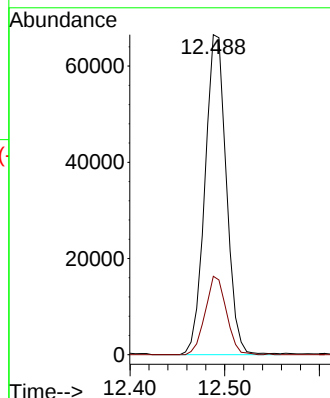
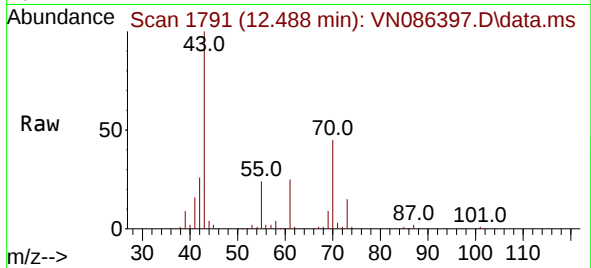




#47  
n-amyl acetate  
Concen: 19.010 ug/l  
RT: 12.488 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

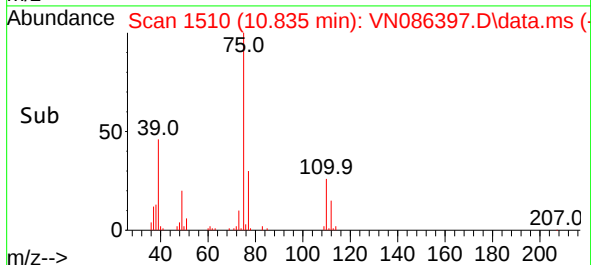
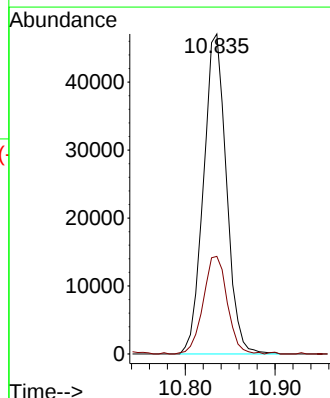
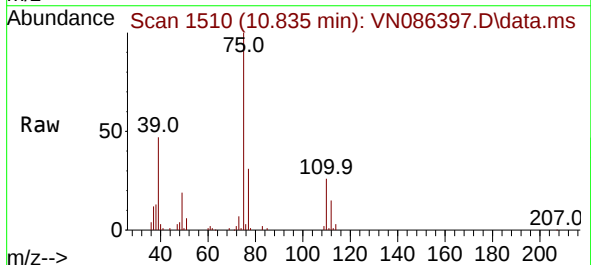
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

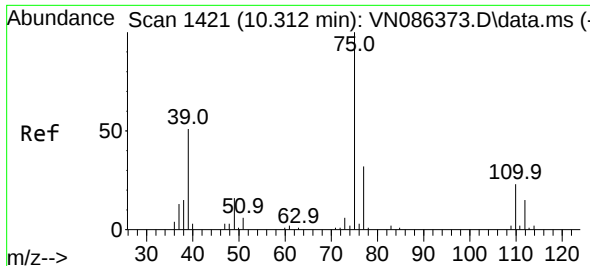
Tgt Ion: 43 Resp: 104497  
Ion Ratio Lower Upper  
43 100  
55 24.2 19.4 29.0



#48  
t-1,3-Dichloropropene  
Concen: 18.996 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 75 Resp: 83550  
Ion Ratio Lower Upper  
75 100  
77 30.5 24.4 36.6

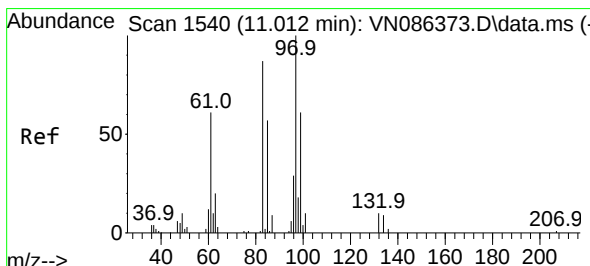
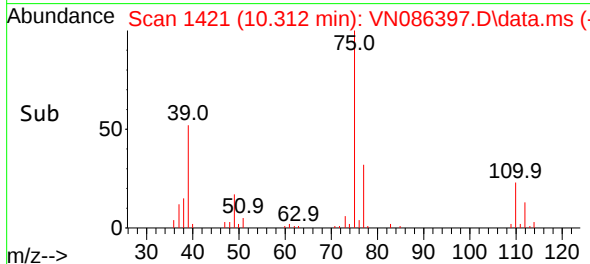
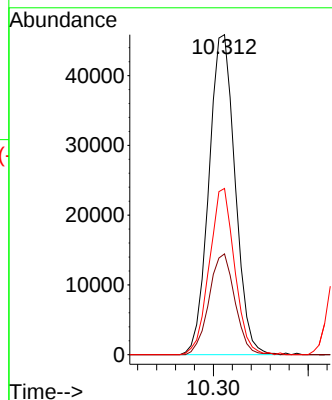
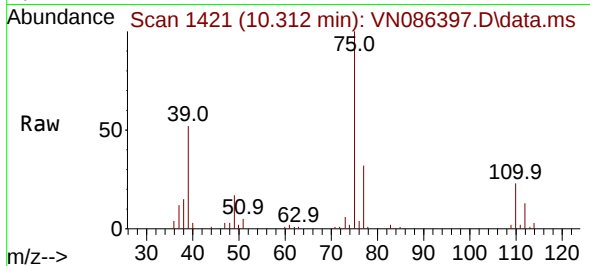




#49  
 cis-1,3-Dichloropropene  
 Concen: 18.973 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

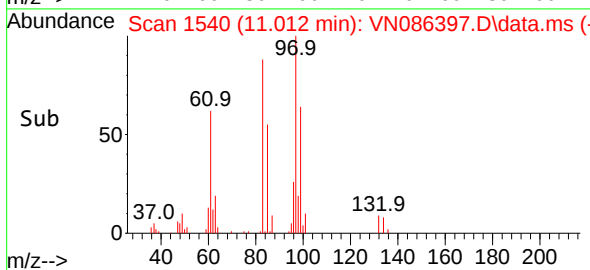
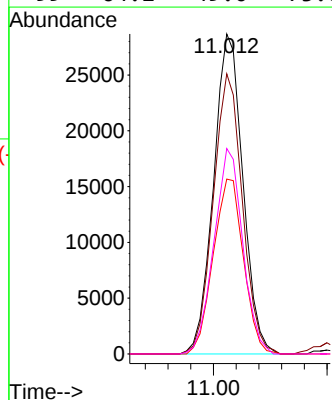
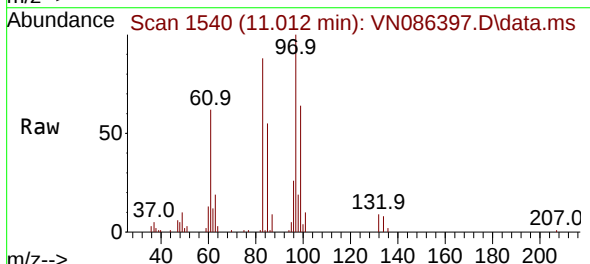
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

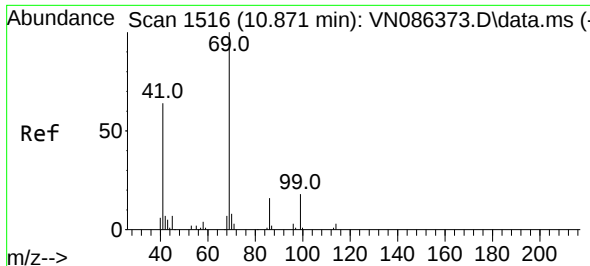
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 87997 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.5  | 25.6  | 38.4  |
| 39       | 52.0  | 40.6  | 60.8  |



#50  
 1,1,2-Trichloroethane  
 Concen: 19.756 ug/l  
 RT: 11.012 min Scan# 1540  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 51299 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.6  | 69.3  | 103.9 |
| 85       | 54.7  | 45.5  | 68.3  |
| 99       | 64.2  | 49.0  | 73.6  |

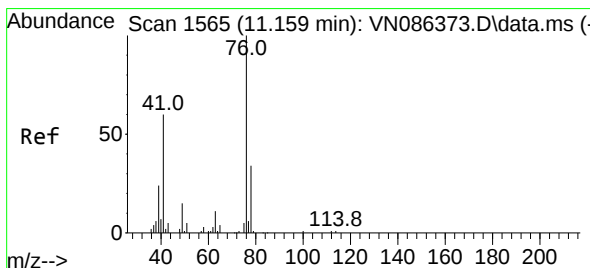
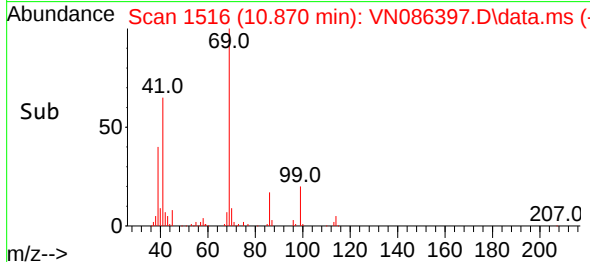
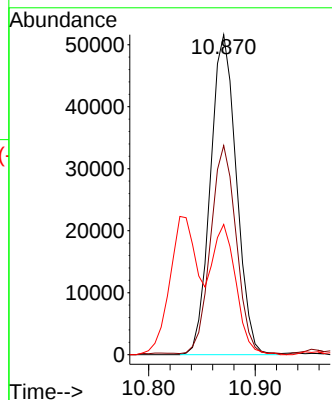
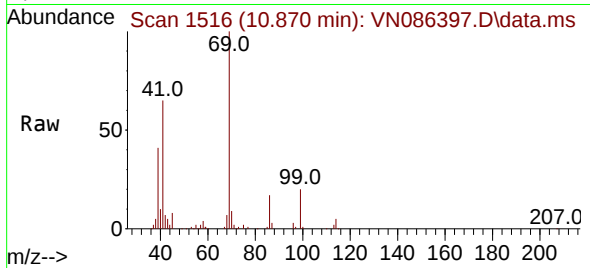




#51  
Ethyl methacrylate  
Concen: 19.354 ug/l  
RT: 10.870 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

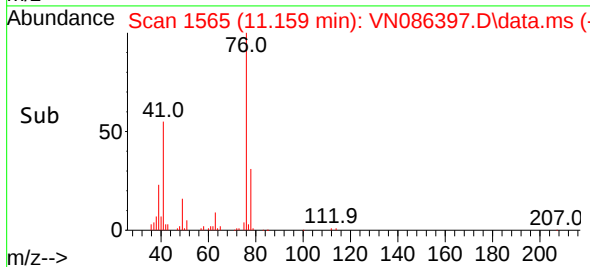
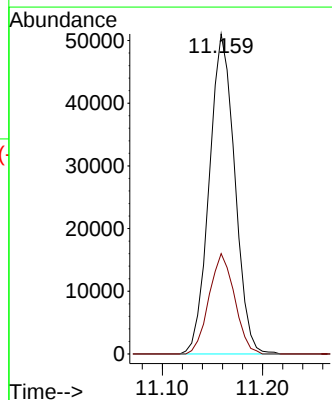
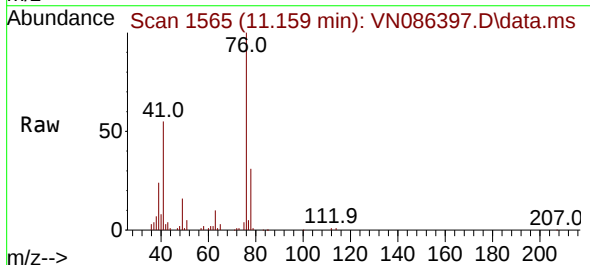
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

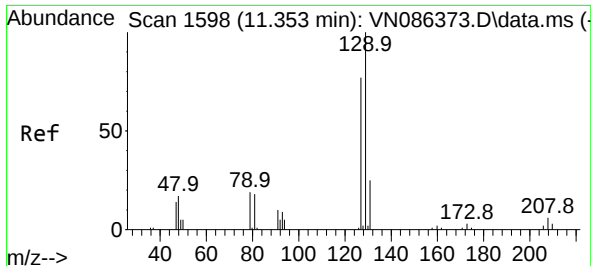
Tgt Ion: 69 Resp: 87523  
Ion Ratio Lower Upper  
69 100  
41 65.0 32.3 96.8  
39 40.7 19.1 57.1



#52  
1,3-Dichloropropane  
Concen: 19.661 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 76 Resp: 90229  
Ion Ratio Lower Upper  
76 100  
78 31.4 0.0 65.6

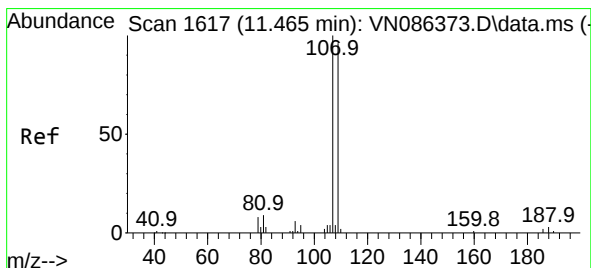
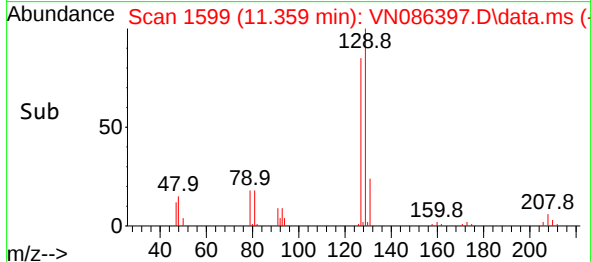
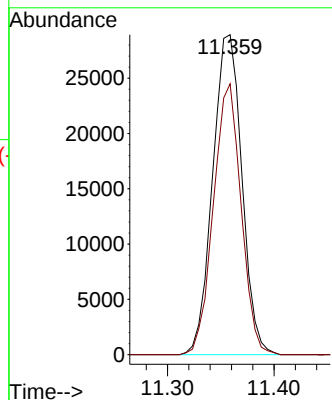
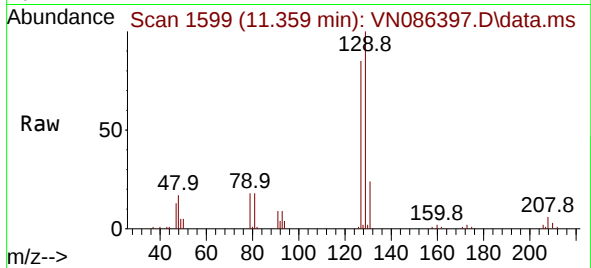




#53  
Dibromochloromethane  
Concen: 18.920 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

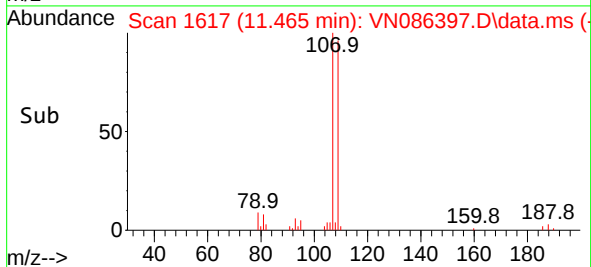
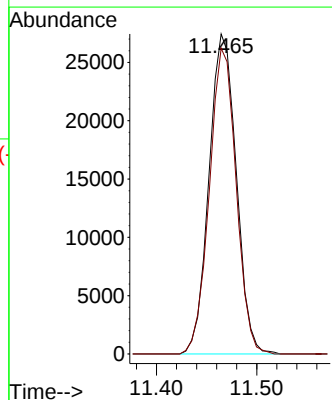
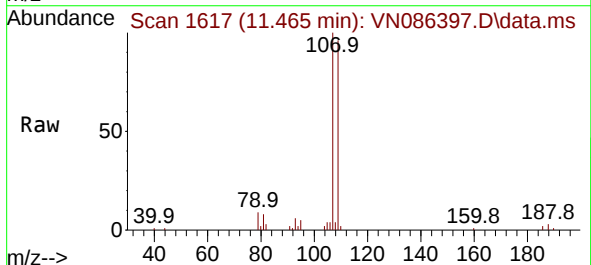
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

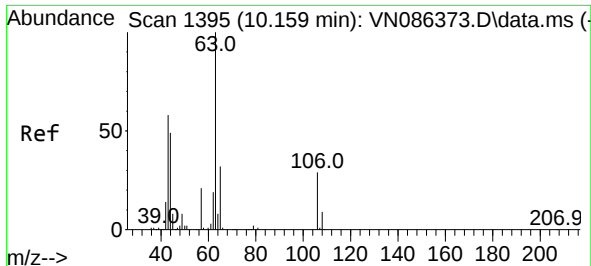
Tgt Ion:129 Resp: 55166  
Ion Ratio Lower Upper  
129 100  
127 80.1 38.8 116.3



#54  
1,2-Dibromoethane  
Concen: 19.631 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion:107 Resp: 51828  
Ion Ratio Lower Upper  
107 100  
109 93.8 75.4 113.0

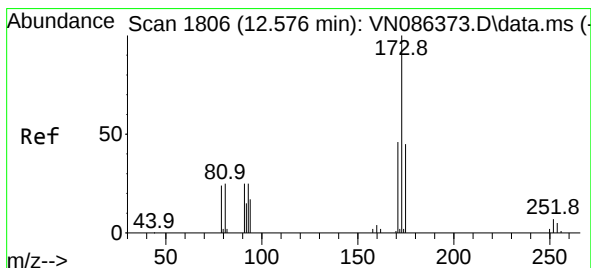
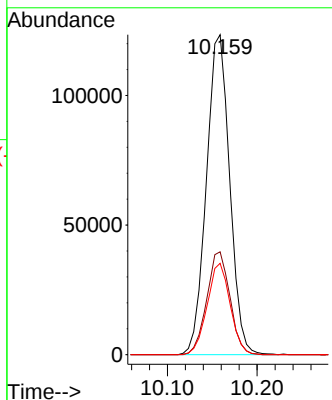
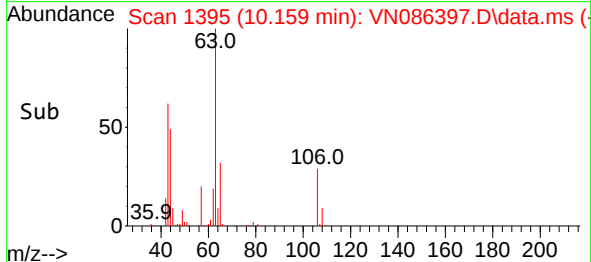
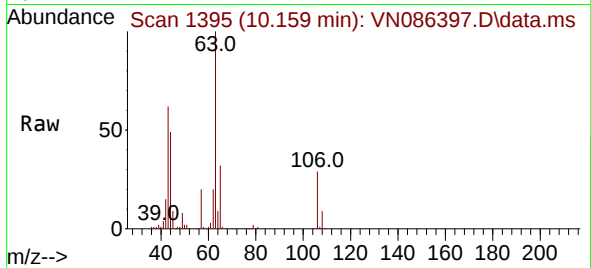




#55  
2-Chloroethyl vinyl ether  
Concen: 104.609 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

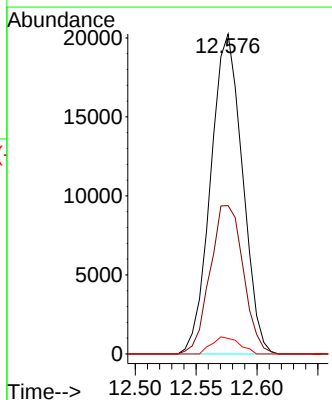
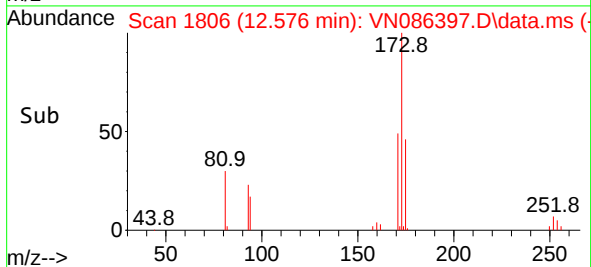
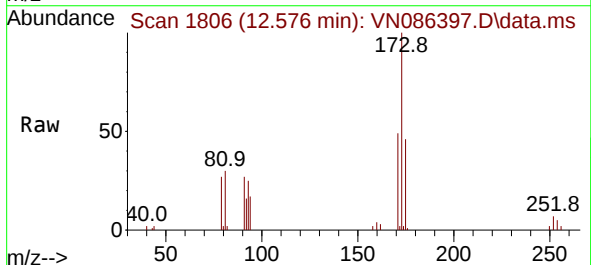
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

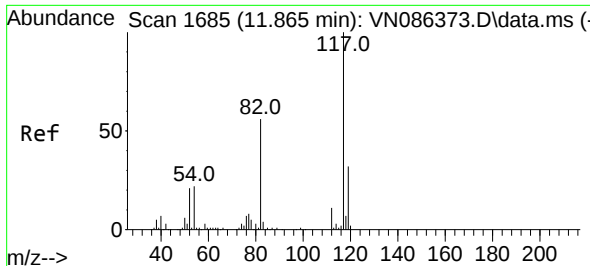
Tgt Ion: 63 Resp: 222420  
Ion Ratio Lower Upper  
63 100  
65 31.9 25.7 38.5  
106 28.2 22.3 33.5



#56  
Bromoform  
Concen: 19.426 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 173 Resp: 36755  
Ion Ratio Lower Upper  
173 100  
175 48.5 39.0 58.6  
254 4.7 3.8 5.6

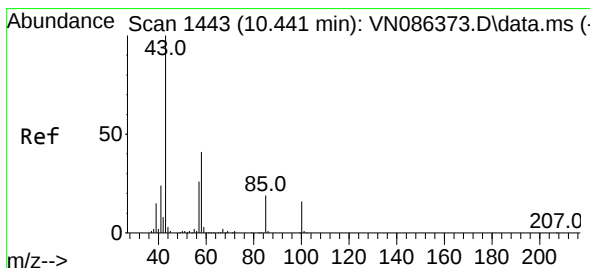
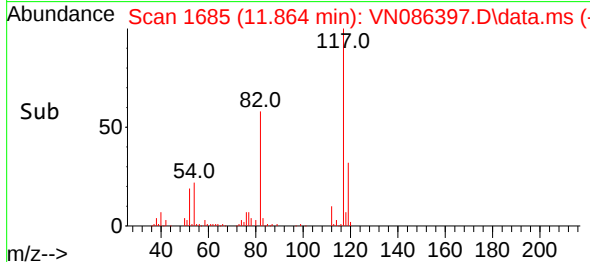
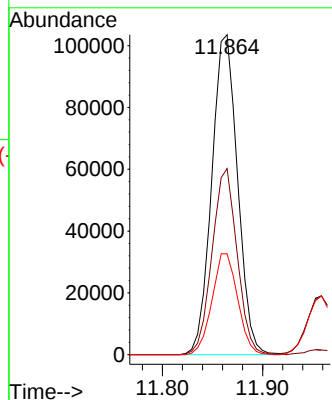
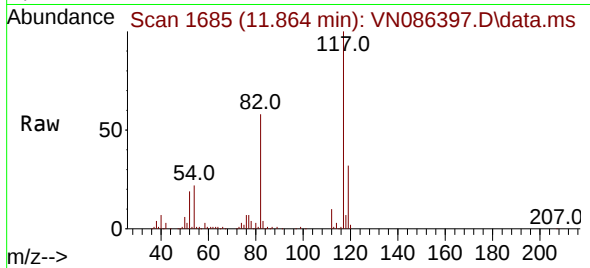




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.864 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

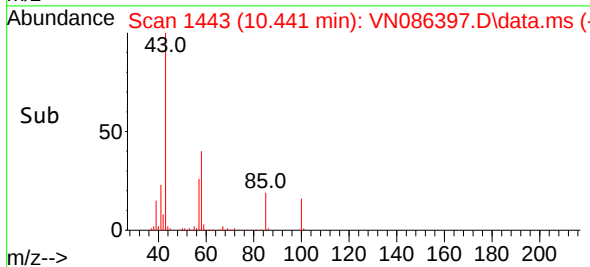
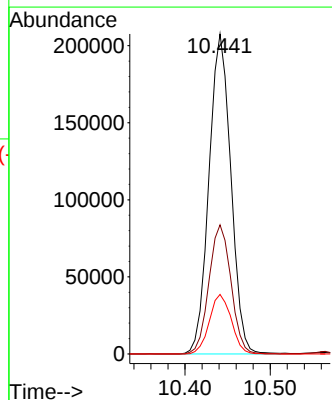
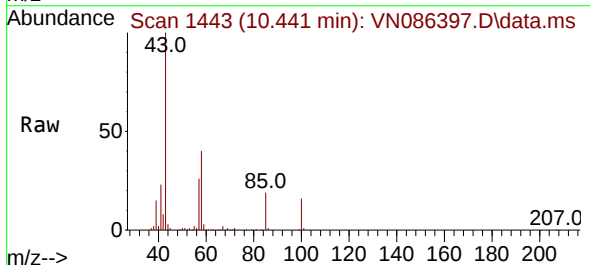
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ClientSampleId :  
VSTDCCC020EC

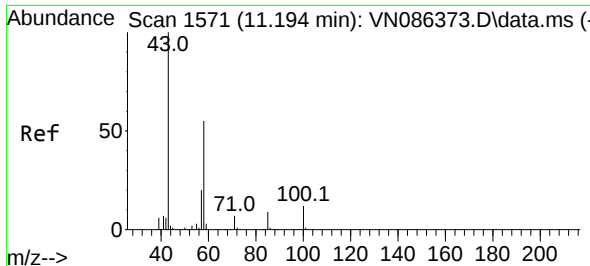
Tgt Ion:117 Resp: 185622  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.5 68.3  
119 31.4 25.9 38.9



#58  
4-Methyl-2-Pentanone  
Concen: 103.231 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 43 Resp: 370811  
Ion Ratio Lower Upper  
43 100  
58 40.5 33.0 49.6  
85 18.6 14.9 22.3

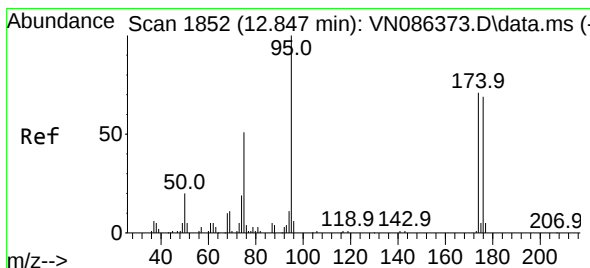
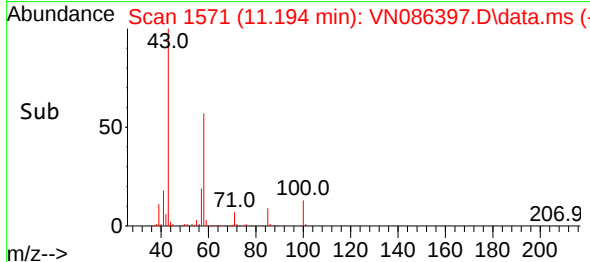
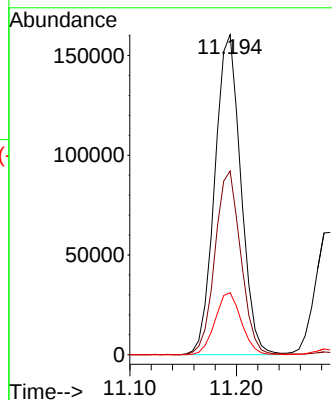
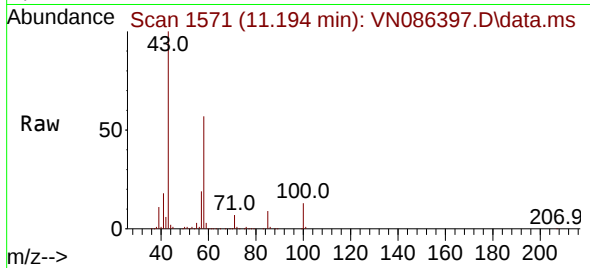




#59  
2-Hexanone  
Concen: 102.813 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

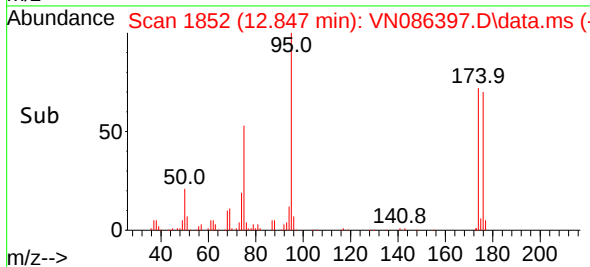
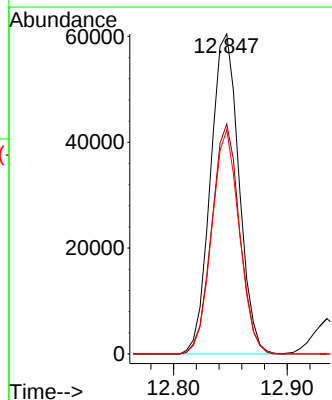
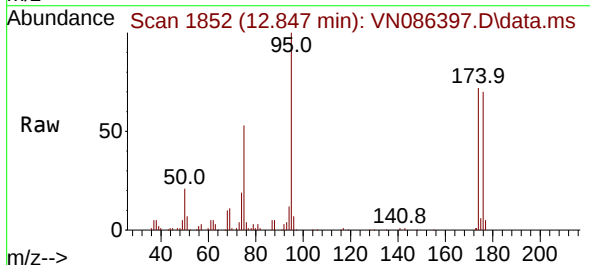
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

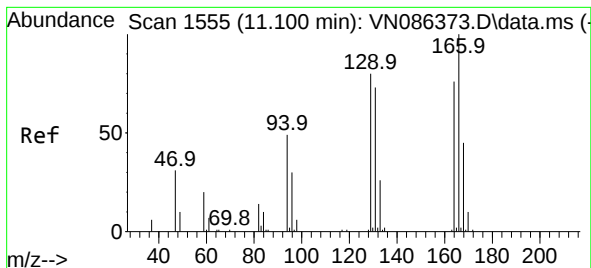
Tgt Ion: 43 Resp: 272153  
Ion Ratio Lower Upper  
43 100  
58 56.9 45.0 67.6  
57 19.5 15.5 23.3



#60  
4-Bromofluorobenzene  
Concen: 28.852 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 95 Resp: 105260  
Ion Ratio Lower Upper  
95 100  
174 70.3 56.6 84.8  
176 67.8 53.3 79.9





#61

Tetrachloroethene

Concen: 17.976 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 50892

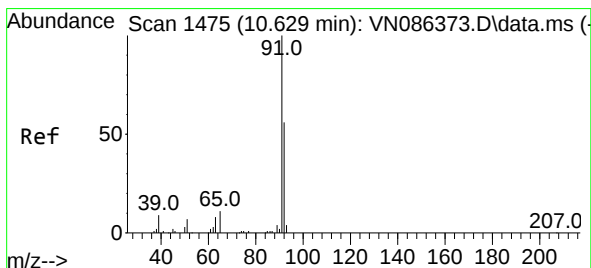
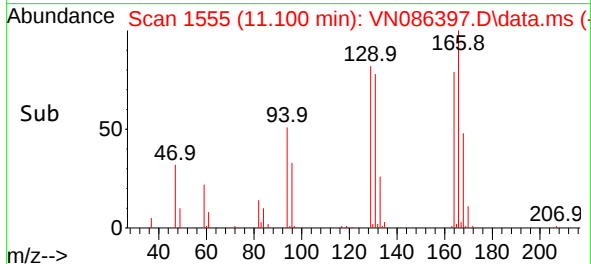
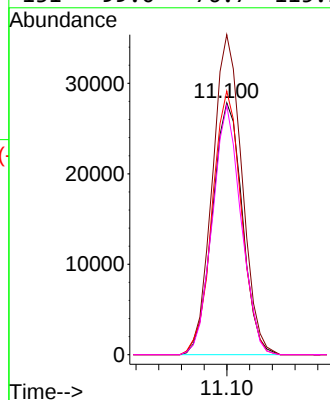
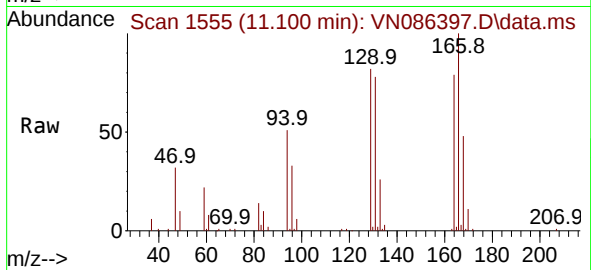
Ion Ratio Lower Upper

164 100

166 127.0 105.0 157.4

129 104.7 83.9 125.9

131 99.0 76.7 115.1



#62

Toluene

Concen: 18.780 ug/l

RT: 10.623 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN086397.D

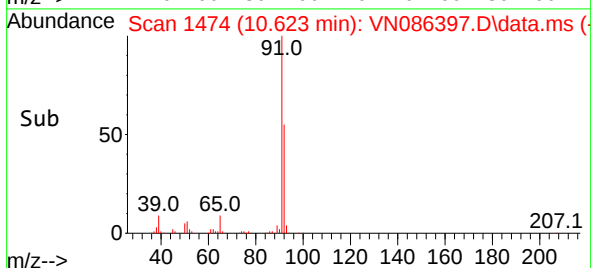
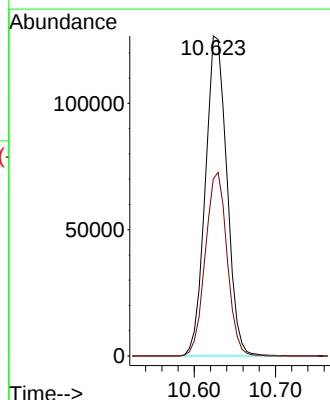
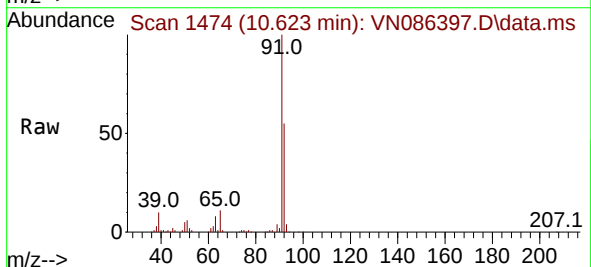
Acq: 24 Apr 2025 16:35

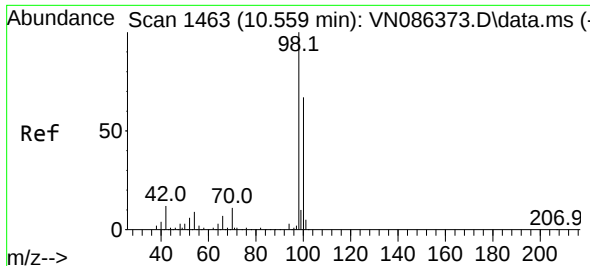
Tgt Ion: 91 Resp: 233340

Ion Ratio Lower Upper

91 100

92 57.9 45.7 68.5

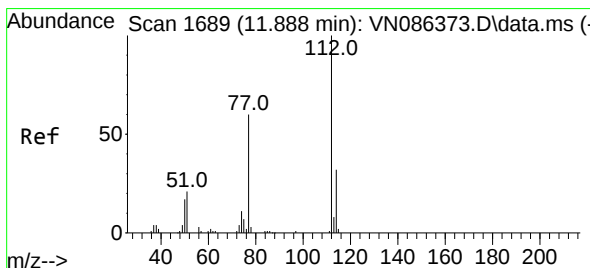
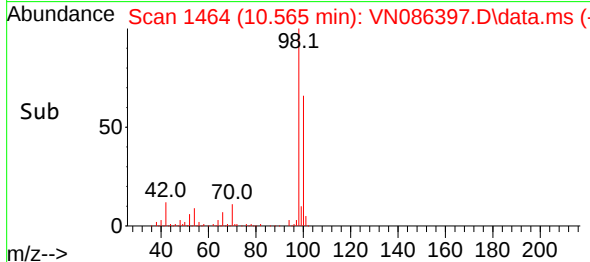
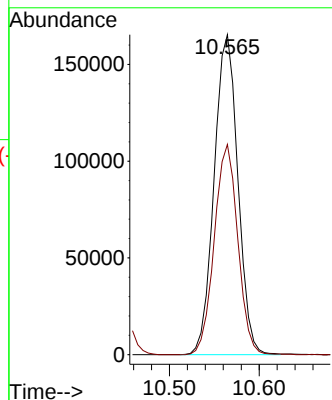
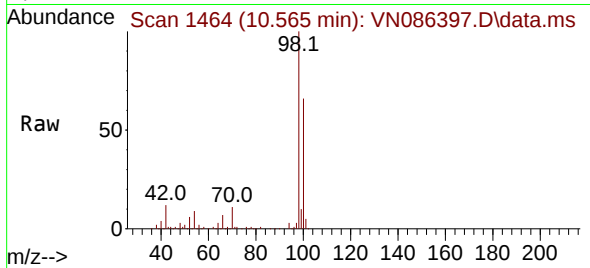




#63  
Toluene-d8  
Concen: 29.739 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

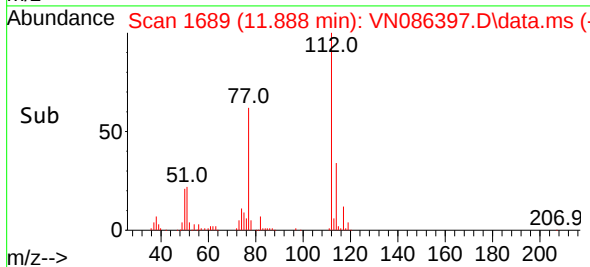
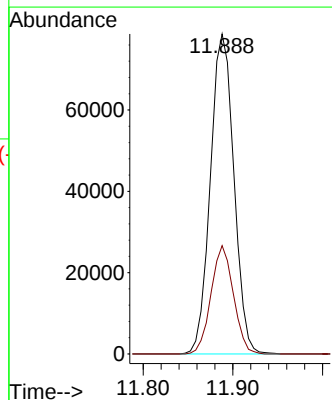
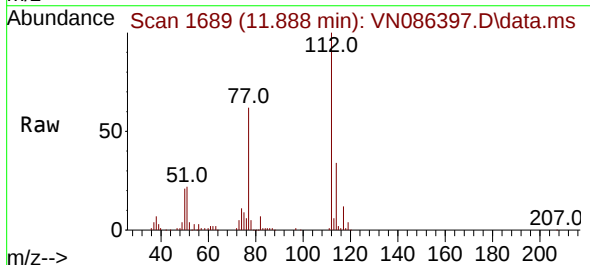
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

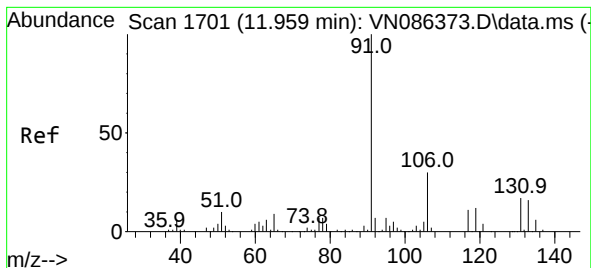
Tgt Ion: 98 Resp: 303689  
Ion Ratio Lower Upper  
98 100  
100 65.0 53.1 79.7



#64  
Chlorobenzene  
Concen: 18.504 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion:112 Resp: 143256  
Ion Ratio Lower Upper  
112 100  
114 33.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.294 ug/l

RT: 11.953 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

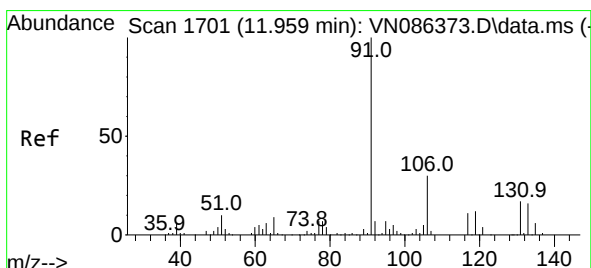
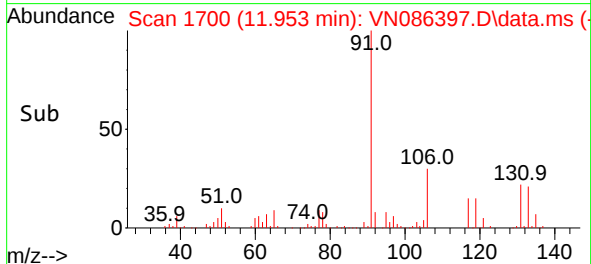
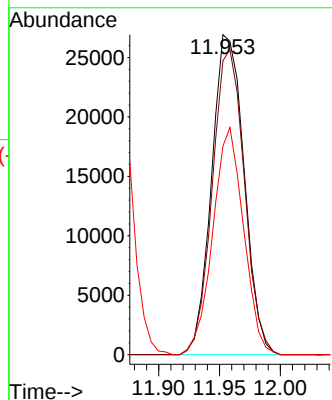
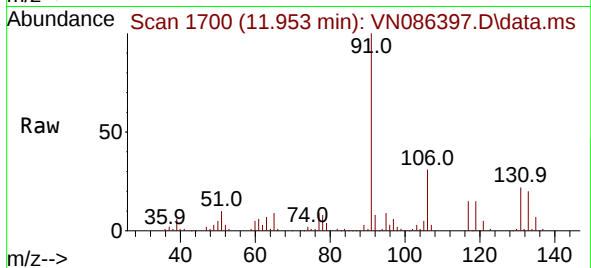
Tgt Ion:131 Resp: 49944

Ion Ratio Lower Upper

131 100

133 94.1 0.0 191.4

119 67.3 0.0 133.6



#66

Ethyl Benzene

Concen: 18.466 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086397.D

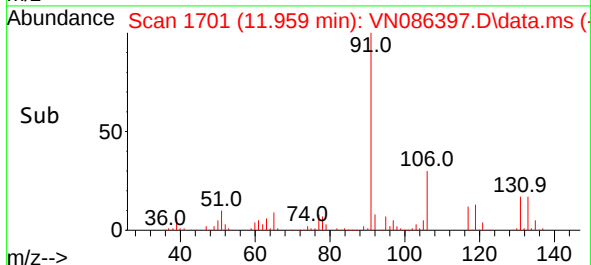
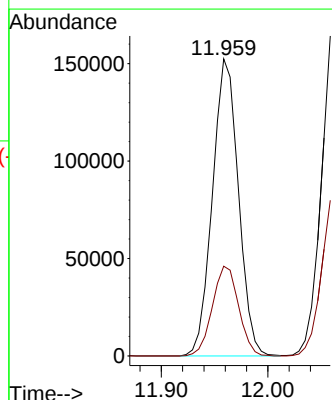
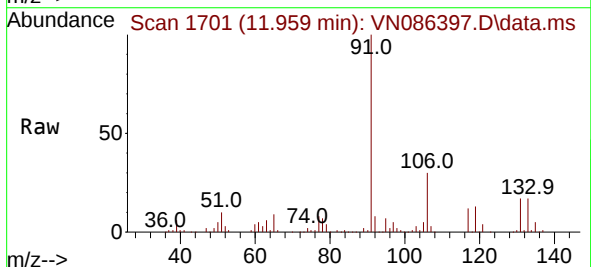
Acq: 24 Apr 2025 16:35

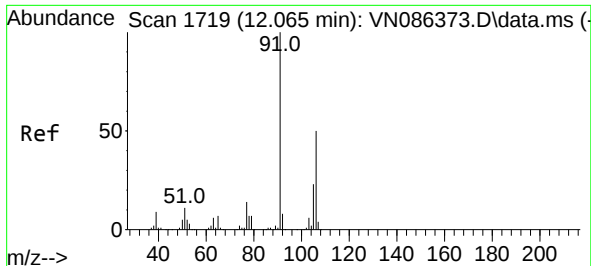
Tgt Ion: 91 Resp: 258262

Ion Ratio Lower Upper

91 100

106 30.2 24.3 36.5





#67

m/p-Xylenes

Concen: 36.539 ug/l

RT: 12.064 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

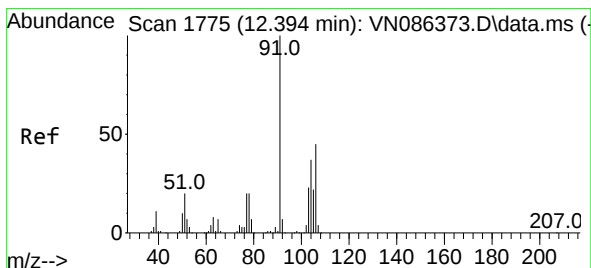
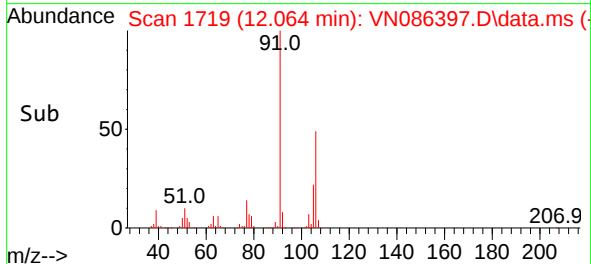
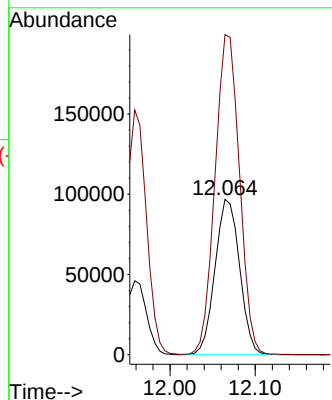
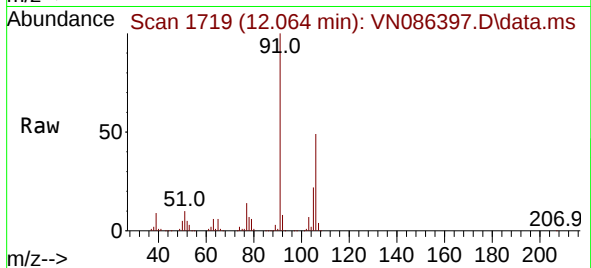
VSTDCCC020EC

Tgt Ion:106 Resp: 193892

Ion Ratio Lower Upper

106 100

91 205.8 162.6 243.8



#68

o-Xylene

Concen: 18.650 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN086397.D

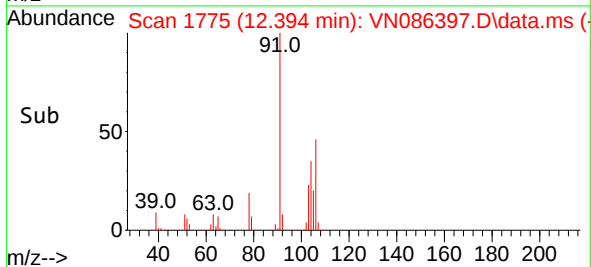
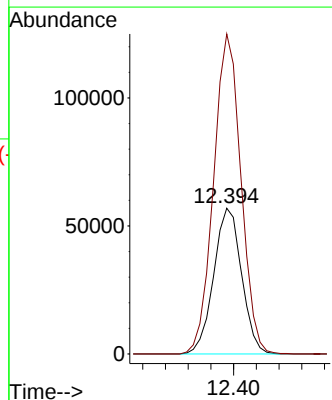
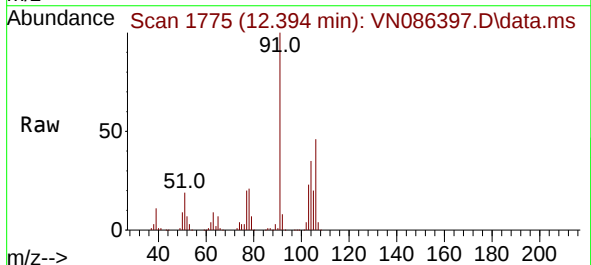
Acq: 24 Apr 2025 16:35

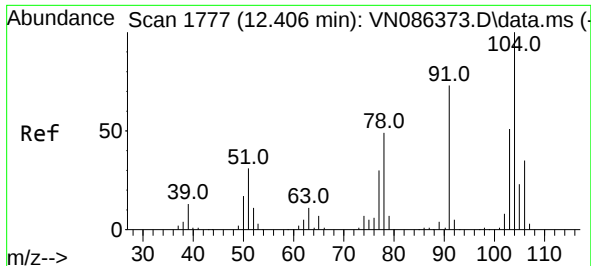
Tgt Ion:106 Resp: 96902

Ion Ratio Lower Upper

106 100

91 215.5 110.6 331.6

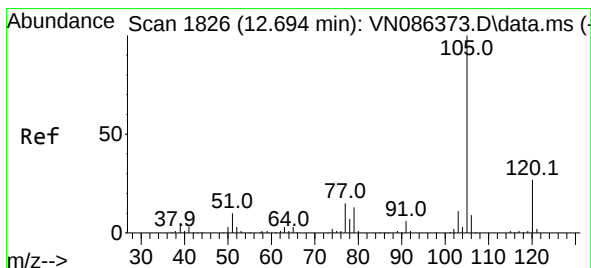
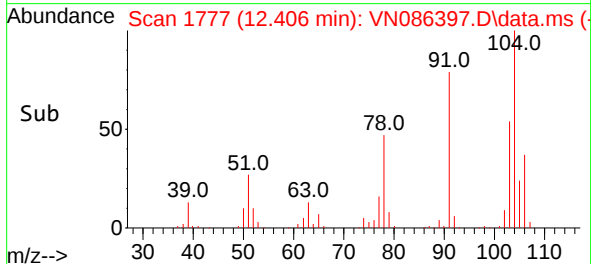
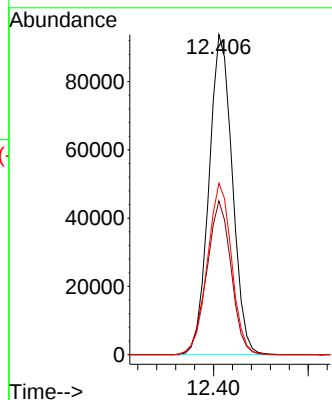
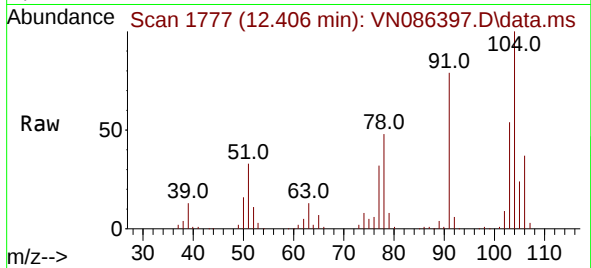




#69  
Styrene  
Concen: 18.234 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

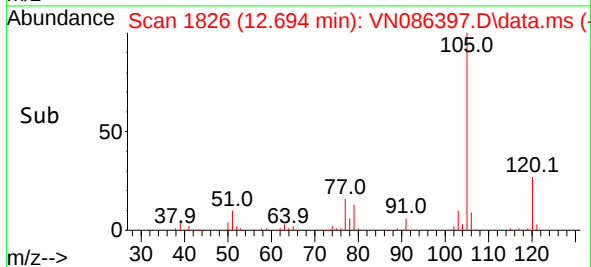
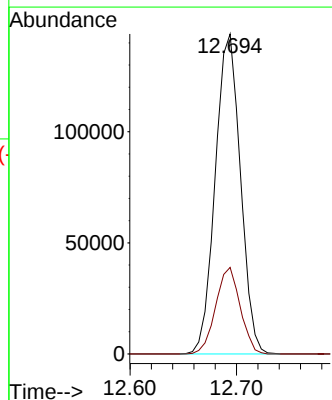
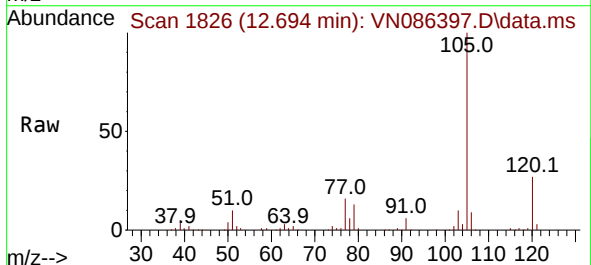
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MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

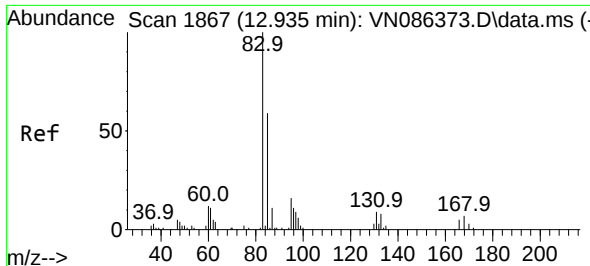
Tgt Ion:104 Resp: 160580  
Ion Ratio Lower Upper  
104 100  
78 50.2 40.2 60.4  
103 55.4 43.8 65.8



#70  
Isopropylbenzene  
Concen: 18.204 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion:105 Resp: 236107  
Ion Ratio Lower Upper  
105 100  
120 26.3 18.2 33.8

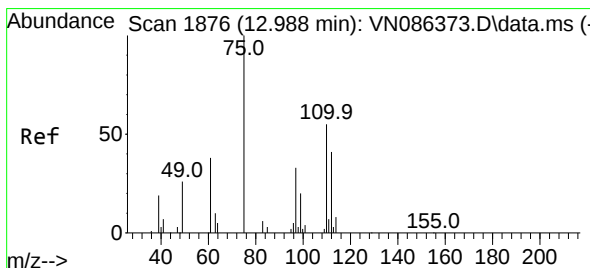
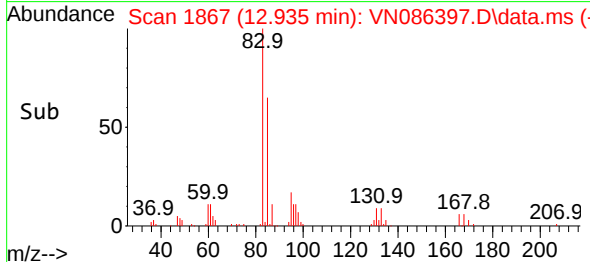
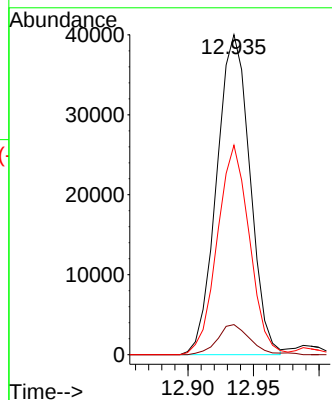
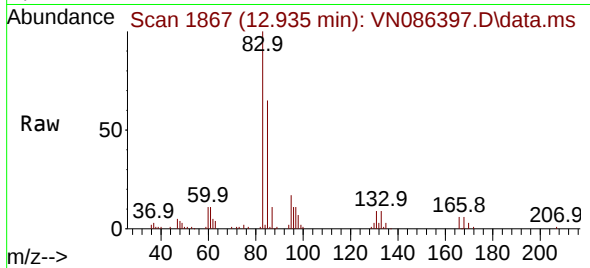




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.632 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

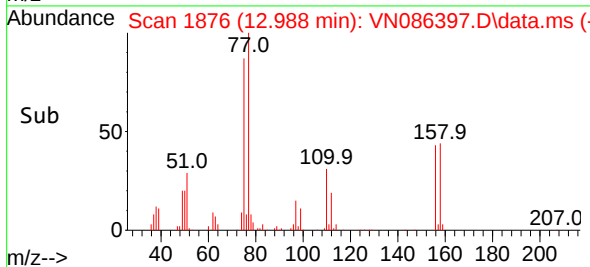
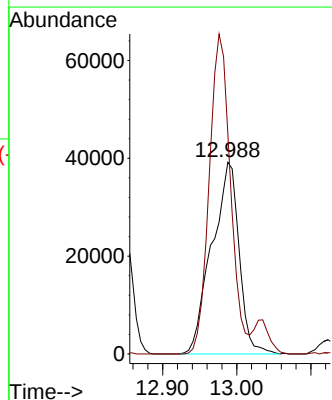
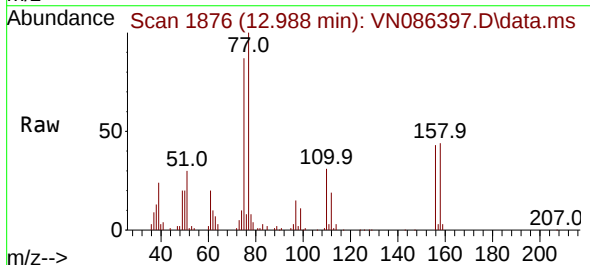
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

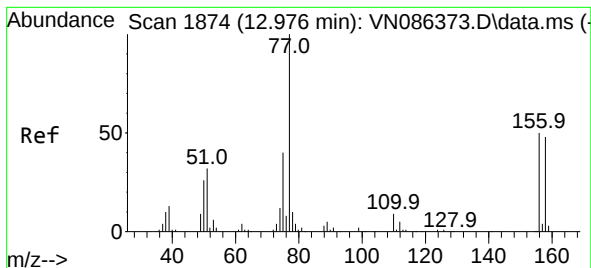
Tgt Ion: 83 Resp: 70460  
 Ion Ratio Lower Upper  
 83 100  
 131 9.1 4.5 13.7  
 85 63.4 31.7 95.1



#72  
 1,2,3-Trichloropropane  
 Concen: 33.597 ug/l  
 RT: 12.988 min Scan# 1876  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

Tgt Ion: 75 Resp: 100031  
 Ion Ratio Lower Upper  
 75 100  
 77 130.2 0.0 464.4





#73

Bromobenzene

Concen: 18.789 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

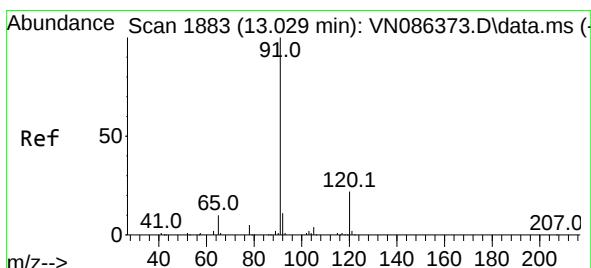
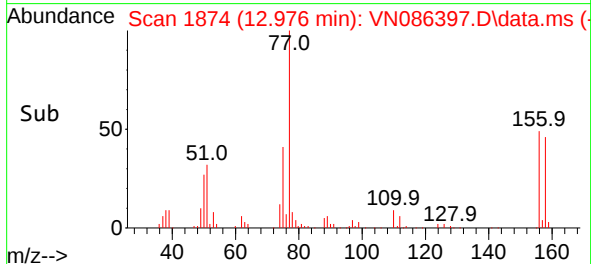
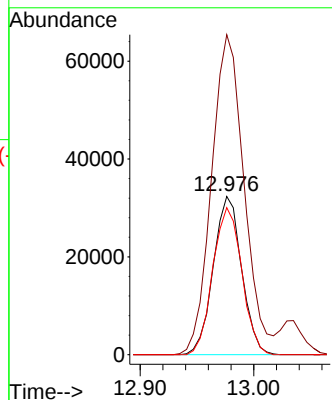
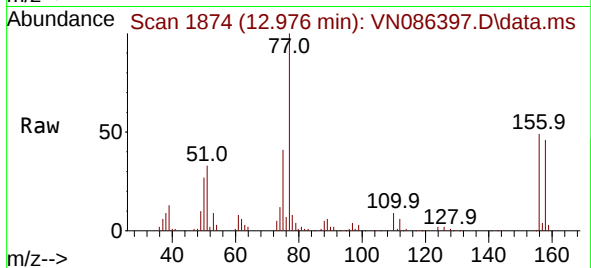
Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:156 | Resp: | 56024     |
| Ion Ratio   | Lower | Upper     |
| 156         | 100   |           |
| 77          | 232.5 | 0.0 463.4 |
| 158         | 95.3  | 0.0 191.8 |



#74

n-propylbenzene

Concen: 18.106 ug/l

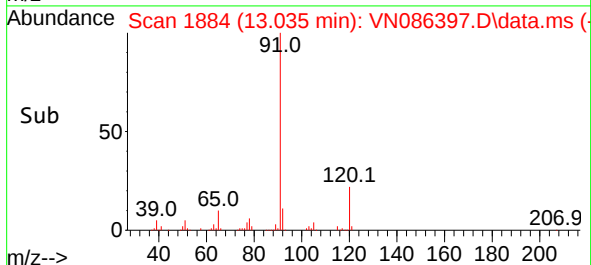
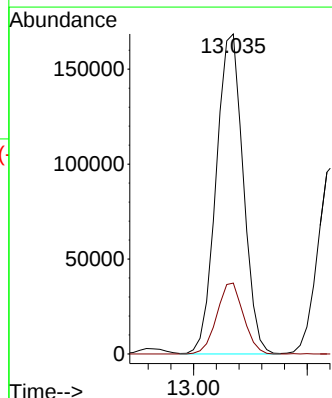
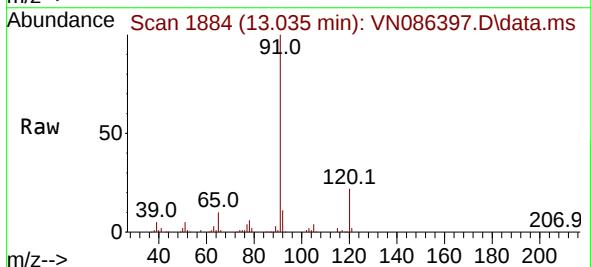
RT: 13.035 min Scan# 1884

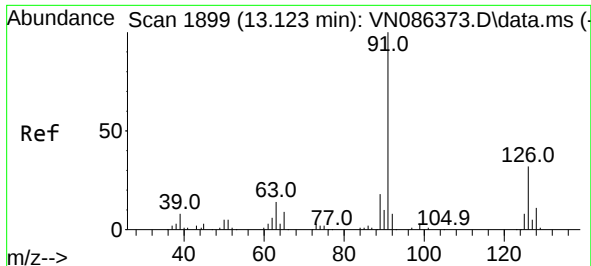
Delta R.T. 0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

|             |       |          |
|-------------|-------|----------|
| Tgt Ion: 91 | Resp: | 279045   |
| Ion Ratio   | Lower | Upper    |
| 91          | 100   |          |
| 120         | 21.7  | 0.0 43.8 |

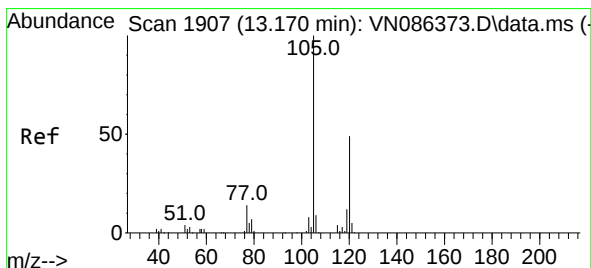
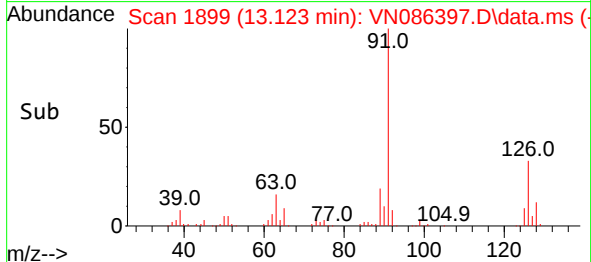
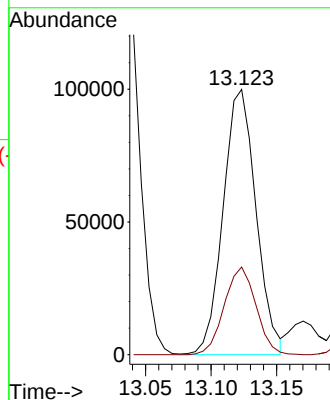
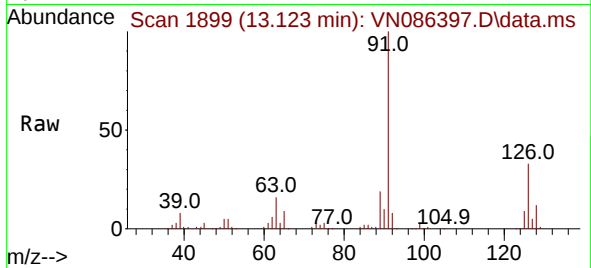




#75  
2-Chlorotoluene  
Concen: 18.143 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

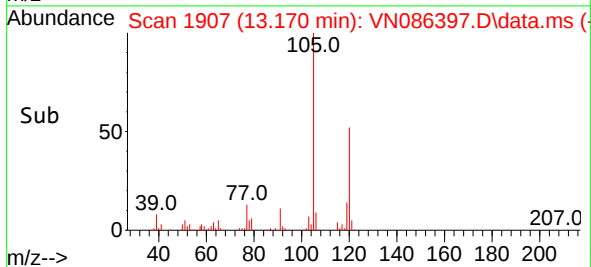
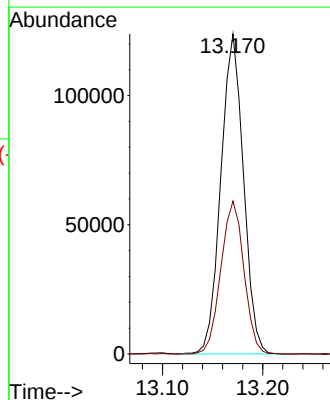
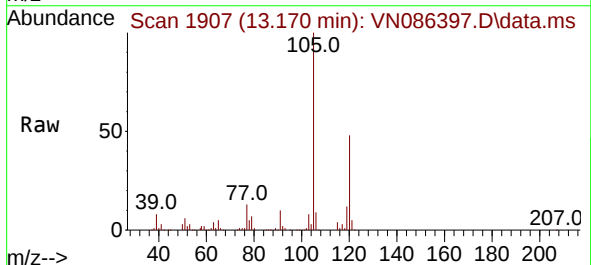
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

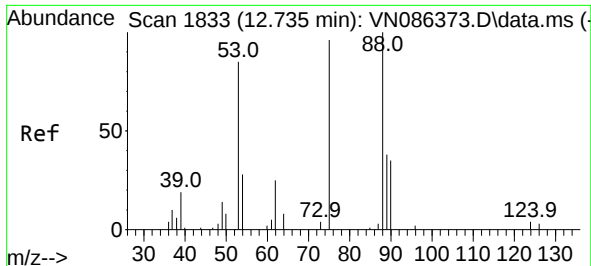
Tgt Ion: 91 Resp: 174552  
Ion Ratio Lower Upper  
91 100  
126 31.8 0.0 65.0



#76  
1,3,5-Trimethylbenzene  
Concen: 18.221 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 105 Resp: 193903  
Ion Ratio Lower Upper  
105 100  
120 48.7 0.0 97.6

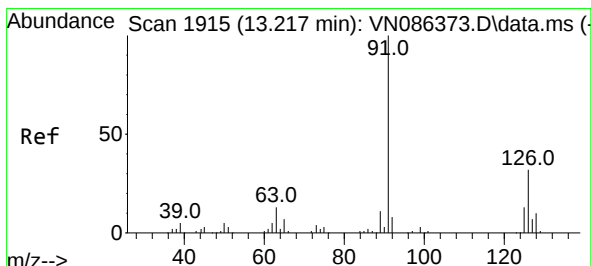
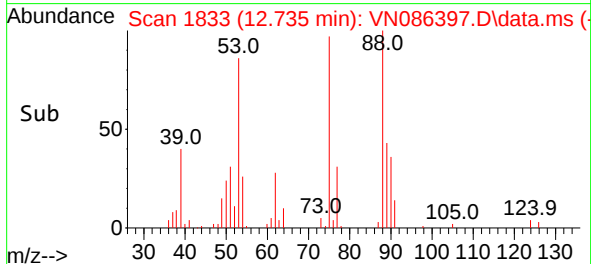
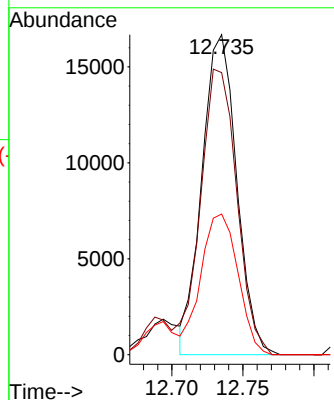
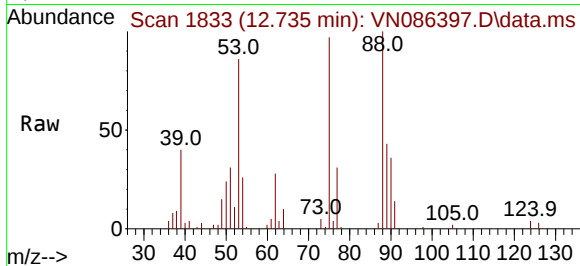




#77  
t-1,4-Dichloro-2-butene  
Concen: 18.789 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

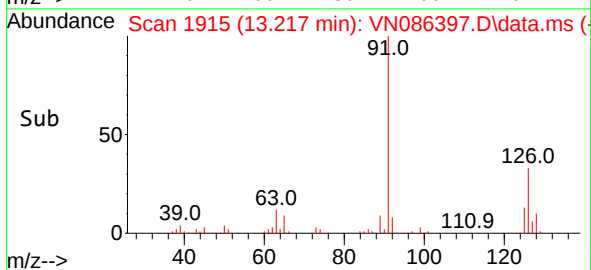
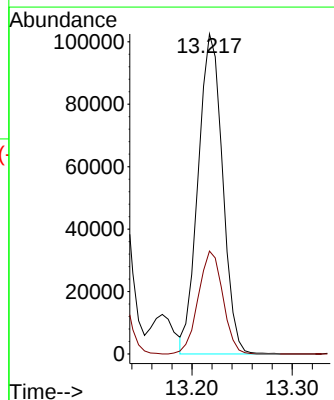
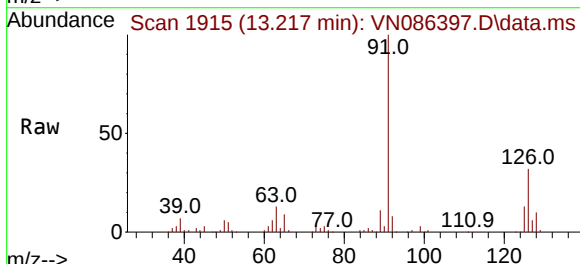
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

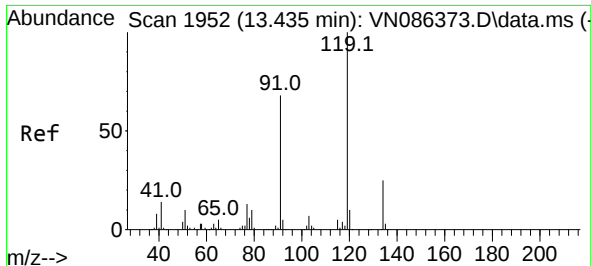
Tgt Ion: 75 Resp: 28391  
Ion Ratio Lower Upper  
75 100  
53 88.2 46.0 138.0  
89 44.0 21.6 64.6



#78  
4-Chlorotoluene  
Concen: 18.059 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 91 Resp: 173723  
Ion Ratio Lower Upper  
91 100  
126 32.2 0.0 65.4

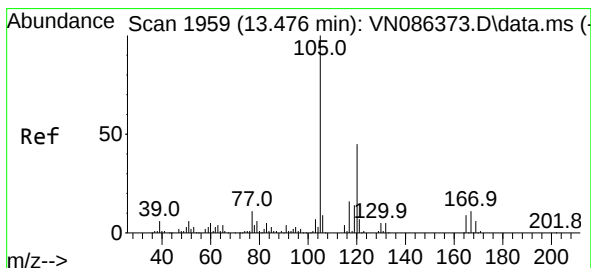
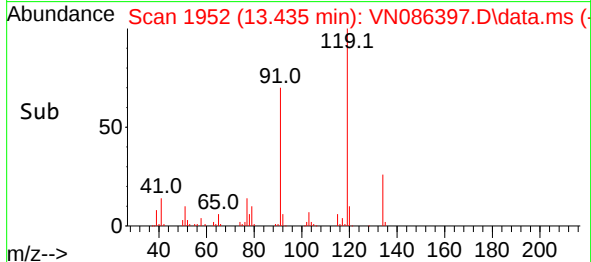
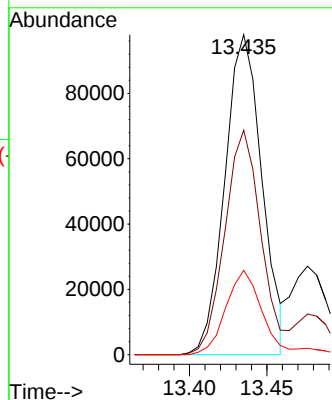
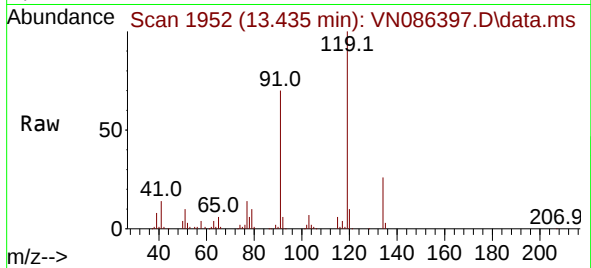




#79  
tert-butylbenzene  
Concen: 17.907 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

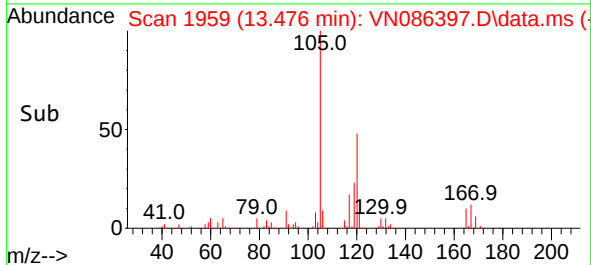
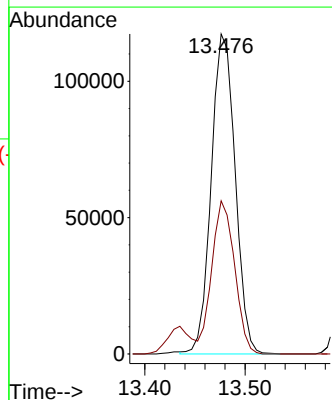
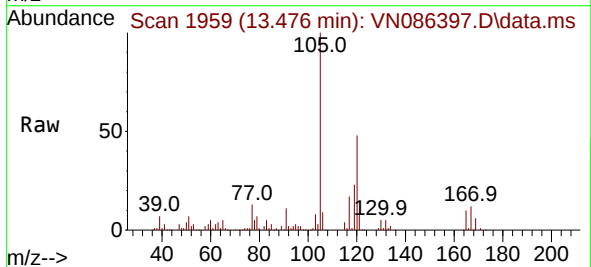
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

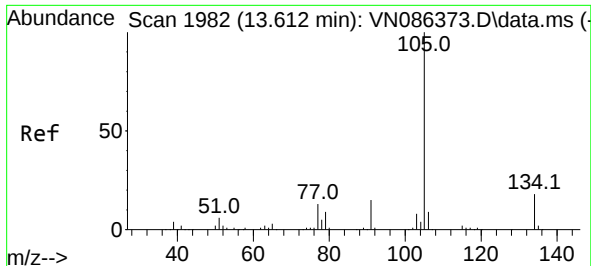
Tgt Ion:119 Resp: 163207  
Ion Ratio Lower Upper  
119 100  
91 69.3 0.0 137.4  
134 25.1 0.0 49.2



#80  
1,2,4-Trimethylbenzene  
Concen: 17.923 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion:105 Resp: 194793  
Ion Ratio Lower Upper  
105 100  
120 45.5 0.0 87.6

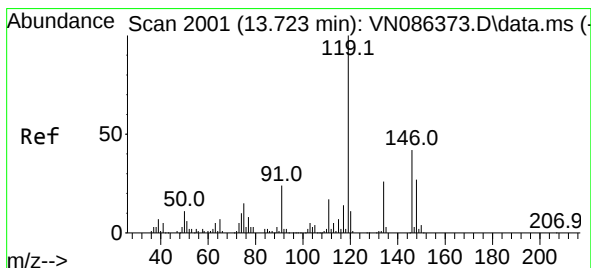
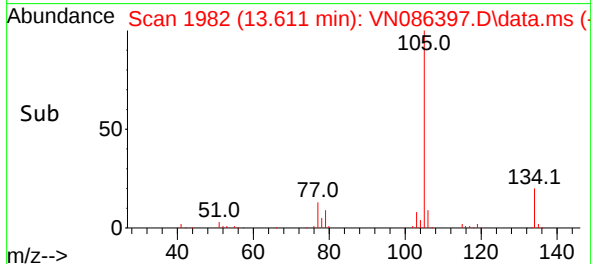
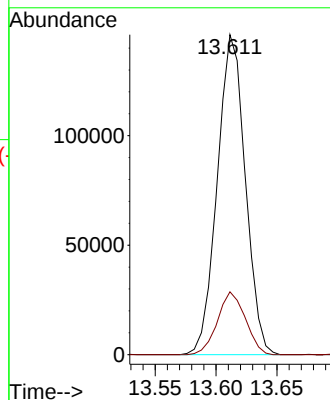
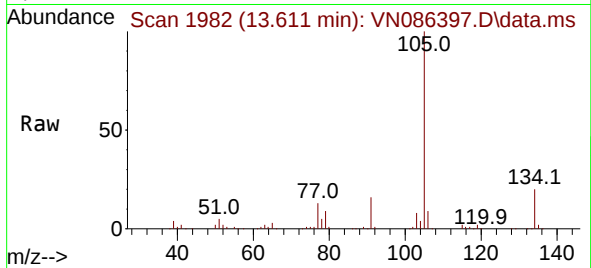




#81  
 sec-Butylbenzene  
 Concen: 18.007 ug/l  
 RT: 13.611 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

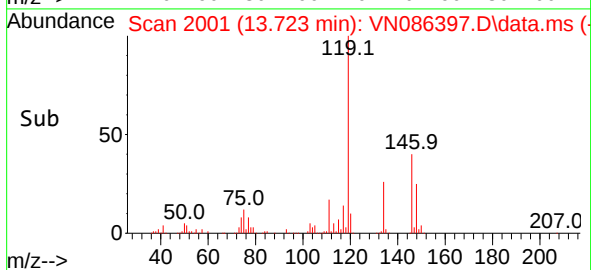
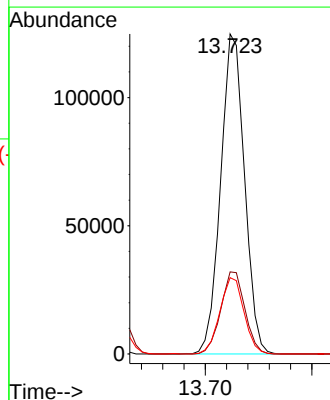
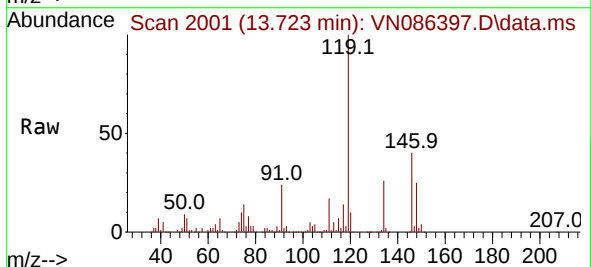
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

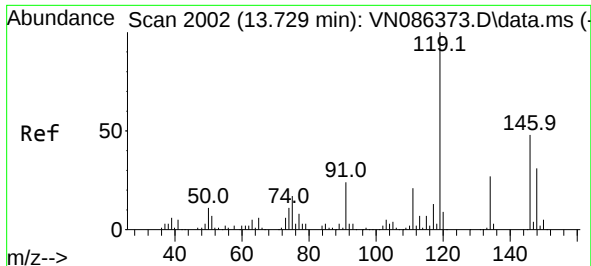
Tgt Ion:105 Resp: 234276  
 Ion Ratio Lower Upper  
 105 100  
 134 19.5 0.0 38.4



#82  
 p-Isopropyltoluene  
 Concen: 17.834 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. -0.000 min  
 Lab File: VN086397.D  
 Acq: 24 Apr 2025 16:35

Tgt Ion:119 Resp: 194150  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 0.0 52.2  
 91 24.1 0.0 47.6

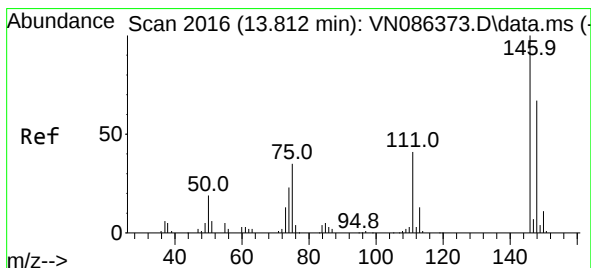
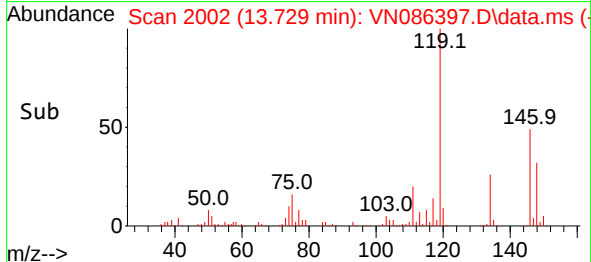
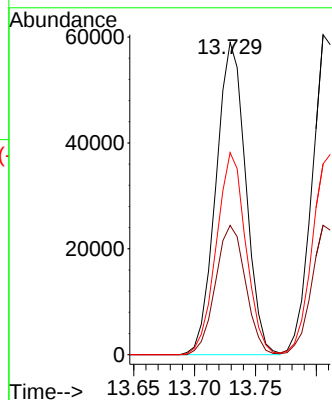
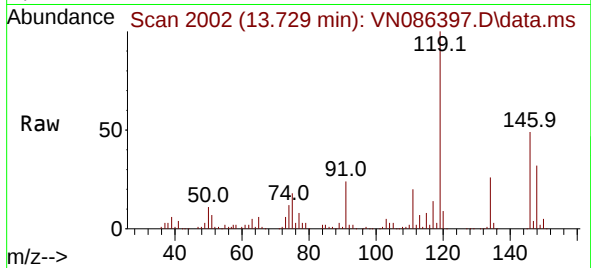




#83  
1,3-Dichlorobenzene  
Concen: 17.822 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

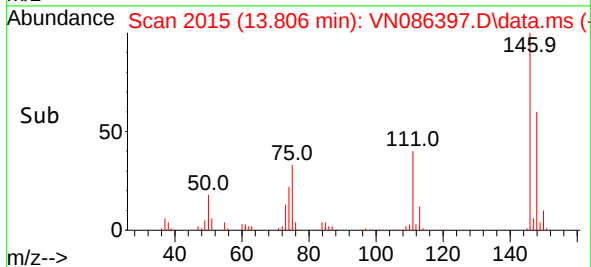
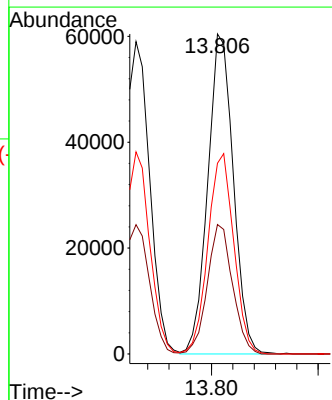
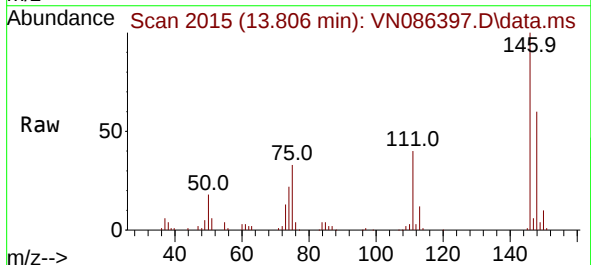
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

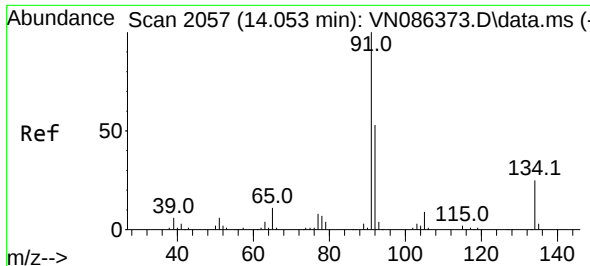
Tgt Ion:146 Resp: 100453  
Ion Ratio Lower Upper  
146 100  
111 41.8 20.7 62.1  
148 64.1 32.3 96.8



#84  
1,4-Dichlorobenzene  
Concen: 18.152 ug/l  
RT: 13.806 min Scan# 2015  
Delta R.T. -0.006 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion:146 Resp: 101087  
Ion Ratio Lower Upper  
146 100  
111 39.9 20.3 60.8  
148 63.2 32.4 97.2

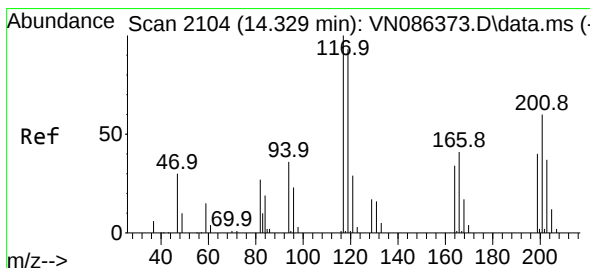
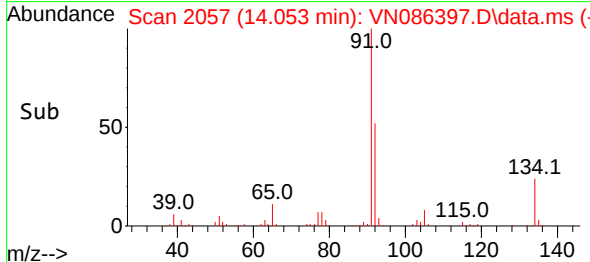
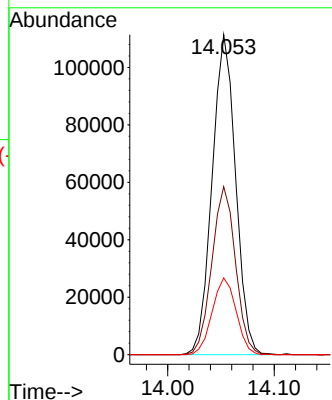
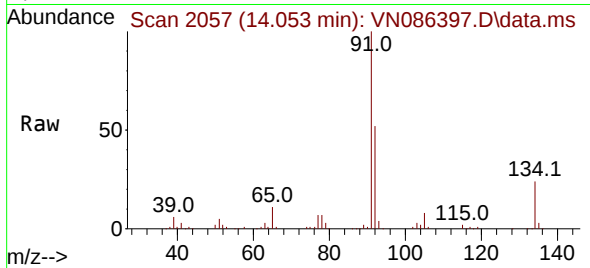




#85  
n-Butylbenzene  
Concen: 17.548 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

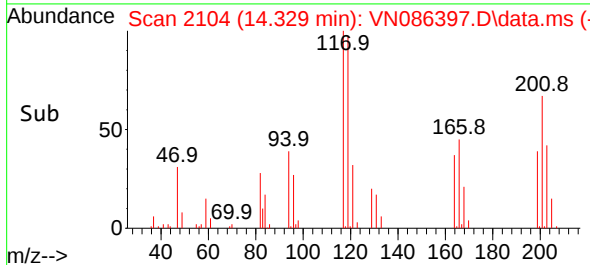
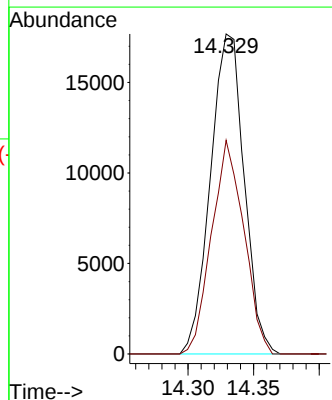
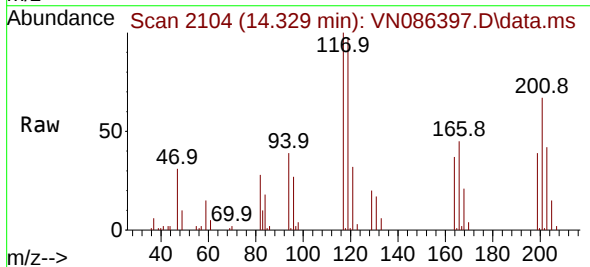
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

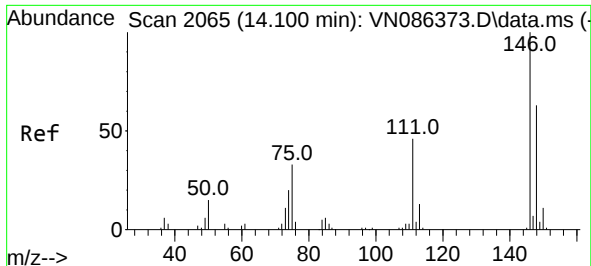
Tgt Ion: 91 Resp: 170458  
Ion Ratio Lower Upper  
91 100  
92 52.8 0.0 107.2  
134 24.4 0.0 48.2



#86  
Hexachloroethane  
Concen: 17.761 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion: 117 Resp: 31617  
Ion Ratio Lower Upper  
117 100  
201 63.9 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 18.227 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

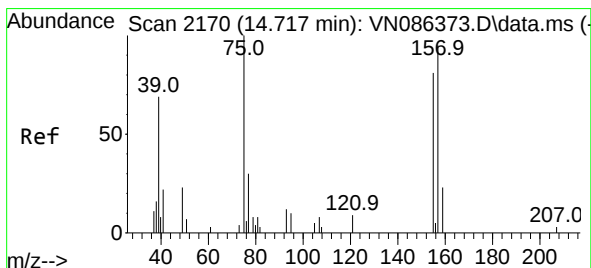
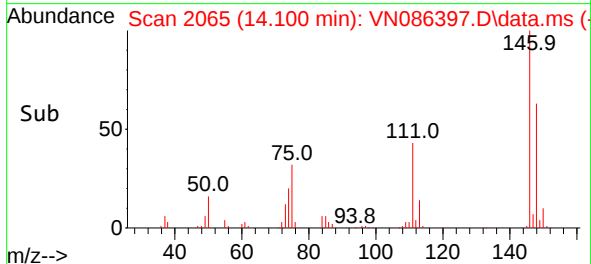
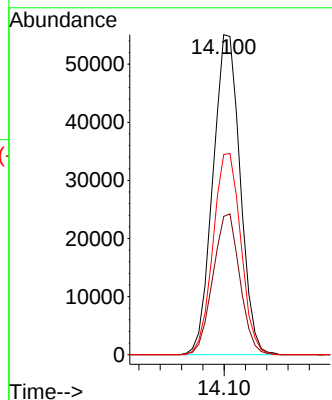
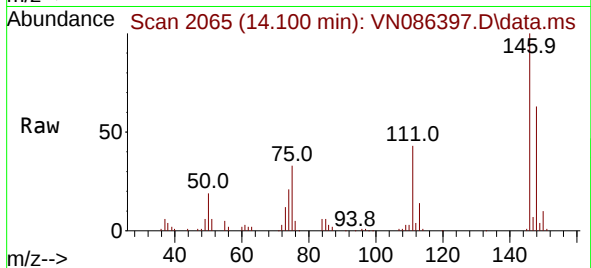
Tgt Ion:146 Resp: 97757

Ion Ratio Lower Upper

146 100

111 43.6 22.1 66.3

148 64.1 32.0 96.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.895 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

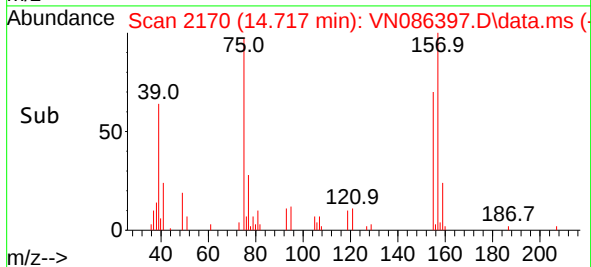
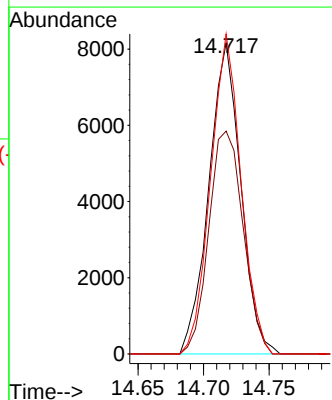
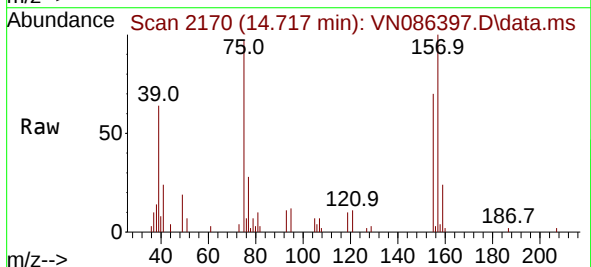
Tgt Ion: 75 Resp: 13810

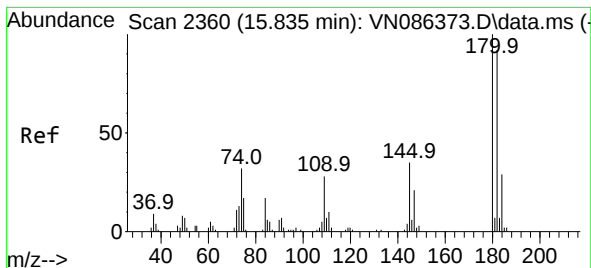
Ion Ratio Lower Upper

75 100

155 77.1 64.0 96.0

157 98.0 78.2 117.4





#89

1,2,4-Trichlorobenzene

Concen: 19.249 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

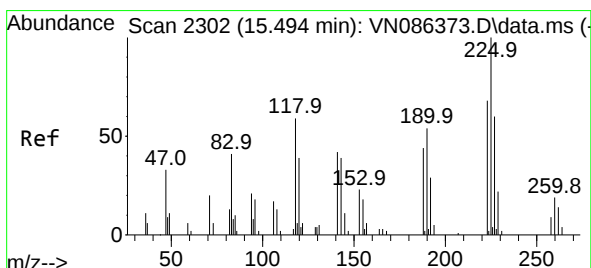
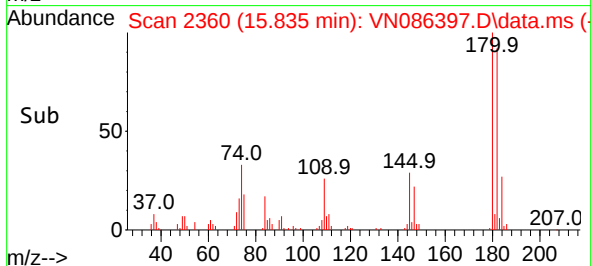
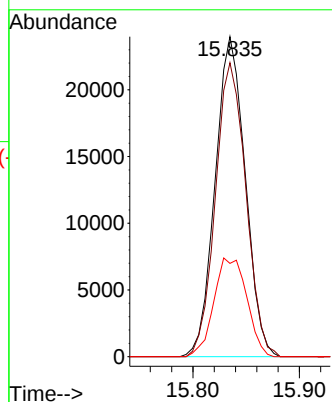
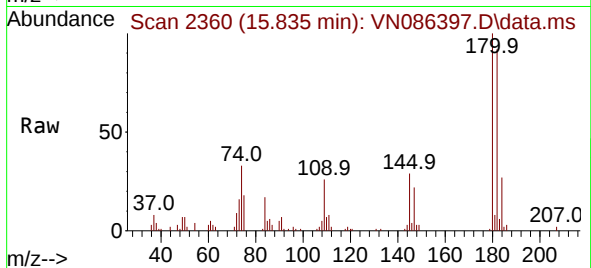
Tgt Ion:180 Resp: 47051

Ion Ratio Lower Upper

180 100

182 92.8 74.8 112.2

145 33.8 26.9 40.3



#90

Hexachlorobutadiene

Concen: 18.525 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

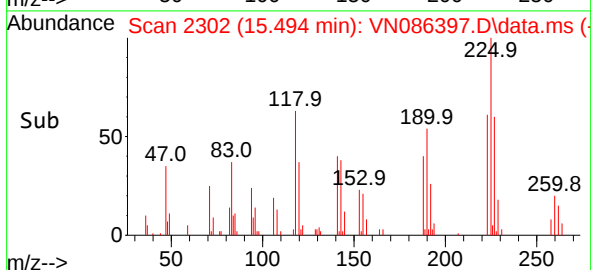
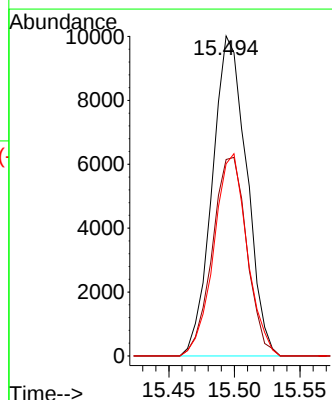
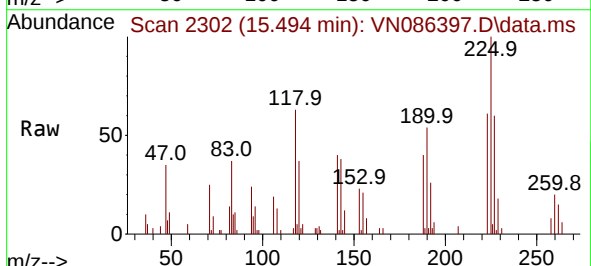
Tgt Ion:225 Resp: 18240

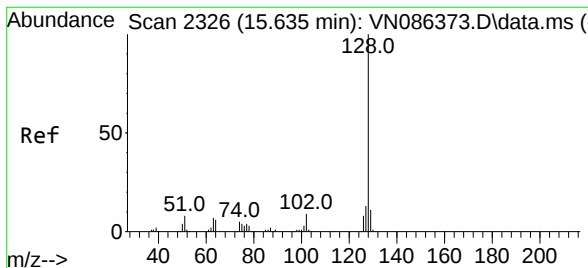
Ion Ratio Lower Upper

225 100

223 62.3 0.0 128.8

227 61.0 0.0 120.2

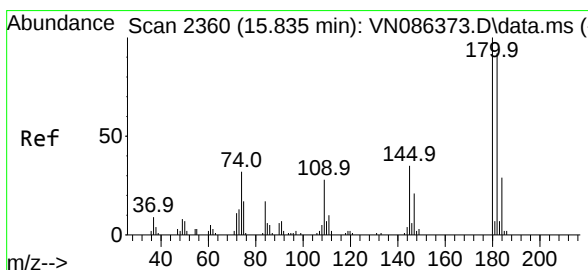
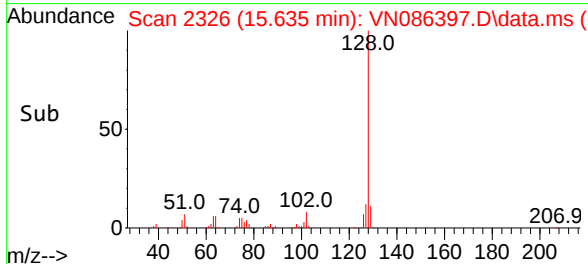
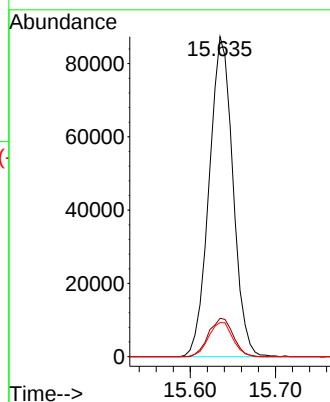
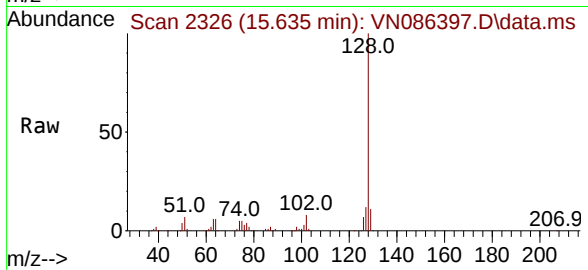




#91  
Naphthalene  
Concen: 19.351 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:128 Resp: 169342  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.6 15.8  
129 10.9 8.7 13.1



#92  
1,2,3-Trichlorobenzene  
Concen: 19.249 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: VN086397.D  
Acq: 24 Apr 2025 16:35

Tgt Ion:180 Resp: 47051  
Ion Ratio Lower Upper  
180 100  
182 92.8 0.0 187.0  
145 33.8 0.0 67.2

