

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042325\  
 Data File : VN086376.D  
 Acq On : 23 Apr 2025 10:57  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Apr 24 04:23:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 24 03:57:58 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Bromochloromethane        | 7.812  | 128   | 11862    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.094  | 114   | 69437    | 30.000   | ug/l       | 0.00     |
| 57) Chlorobenzene-d5         | 11.865 | 117   | 63916    | 30.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 8.577  | 65    | 34906    | 30.522   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 101.733% |          |
| 60) 4-Bromofluorobenzene     | 12.847 | 95    | 37942    | 30.203   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 100.667% |          |
| 63) Toluene-d8               | 10.565 | 98    | 108036   | 30.724   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 102.400% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 62095    | 75.824   | ug/l       | 98       |
| 3) Chloromethane             | 2.359  | 50    | 87795    | 75.471   | ug/l       | 97       |
| 4) Vinyl Chloride            | 2.518  | 62    | 84710    | 76.030   | ug/l       | 100      |
| 5) Bromomethane              | 2.959  | 94    | 45317    | 77.906   | ug/l       | 96       |
| 6) Chloroethane              | 3.124  | 64    | 55384    | 74.564   | ug/l       | 96       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 95240    | 72.419   | ug/l       | 99       |
| 8) Diethyl Ether             | 3.959  | 74    | 40693    | 73.303   | ug/l       | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 58145    | 71.916   | ug/l       | 98       |
| 10) 1,1-Dichloroethene       | 4.342  | 96    | 60388    | 72.974   | ug/l       | 95       |
| 11) Methyl Iodide            | 4.589  | 142   | 74782    | 77.234   | ug/l       | 100      |
| 12) Methyl Acetate           | 5.024  | 43    | 87299    | 74.428   | ug/l       | 97       |
| 13) Acrolein                 | 4.177  | 56    | 16251    | 355.386  | ug/l       | 96       |
| 14) Acrylonitrile            | 5.712  | 53    | 170864   | 391.402  | ug/l       | 100      |
| 15) Acetone                  | 4.424  | 58    | 41724    | 346.858  | ug/l       | 94       |
| 16) Carbon Disulfide         | 4.712  | 76    | 166254   | 76.243   | ug/l       | 97       |
| 17) Allyl chloride           | 5.024  | 41    | 97736    | 73.864   | ug/l       | 95       |
| 18) Methylene Chloride       | 5.271  | 84    | 71345    | 75.706   | ug/l       | 98       |
| 19) trans-1,2-Dichloroethene | 5.783  | 96    | 64601    | 73.241   | ug/l       | 94       |
| 20) Diisopropyl ether        | 6.671  | 45    | 225395   | 71.641   | ug/l       | 97       |
| 21) 1,1-Dichloroethane       | 6.571  | 63    | 126406   | 73.399   | ug/l       | 98       |
| 22) cis-1,2-Dichloroethene   | 7.483  | 96    | 81190    | 73.614   | ug/l       | 98       |
| 23) tert-Butyl Alcohol       | 5.512  | 59    | 68563    | 405.435  | ug/l #     | 100      |
| 24) Methyl tert-Butyl Ether  | 5.789  | 73    | 223875   | 73.222   | ug/l       | 99       |
| 25) Chloroform               | 7.965  | 83    | 127422   | 73.108   | ug/l       | 99       |
| 26) Cyclohexane              | 8.253  | 56    | 110055   | 72.376   | ug/l #     | 99       |
| 29) 1,1-Dichloropropene      | 8.371  | 75    | 88931    | 72.649   | ug/l       | 99       |
| 30) 2-Butanone               | 7.477  | 43    | 227570   | 383.017  | ug/l       | 100      |
| 31) 2,2-Dichloropropane      | 7.489  | 77    | 113875   | 72.367   | ug/l       | 98       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 108658   | 74.281   | ug/l       | 99       |
| 33) Carbon Tetrachloride     | 8.359  | 117   | 87746    | 72.867   | ug/l       | 99       |
| 34) Benzene                  | 8.600  | 78    | 293359   | 75.347   | ug/l       | 97       |
| 35) Methacrylonitrile        | 7.777  | 41    | 51676    | 76.245   | ug/l       | 96       |
| 36) 1,2-Dichloroethane       | 8.665  | 62    | 97403    | 77.054   | ug/l       | 99       |
| 37) Trichloroethene          | 9.347  | 130   | 69973    | 71.790   | ug/l       | 93       |
| 38) Methylcyclohexane        | 9.594  | 83    | 108000   | 76.391   | ug/l       | 99       |
| 39) 1,2-Dichloropropane      | 9.618  | 63    | 71908    | 74.760   | ug/l       | 95       |
| 40) Dibromomethane           | 9.706  | 93    | 48198    | 74.930   | ug/l       | 96       |
| 41) Bromodichloromethane     | 9.883  | 83    | 102621   | 75.389   | ug/l       | 98       |
| 42) Vinyl Acetate            | 6.600  | 43    | 804778   | 391.011  | ug/l       | 100      |

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 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

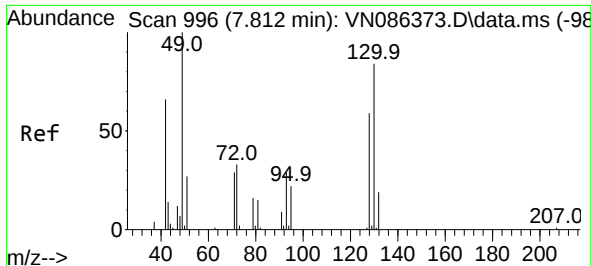
Quant Time: Apr 24 04:23:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 24 03:57:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 88205    | 75.017   | ug/l  | 95       |
| 44) Isopropyl Acetate         | 8.683  | 43   | 169581   | 75.991   | ug/l  | 100      |
| 45) 1,4-Dioxane               | 9.688  | 88   | 28757    | 1651.615 | ug/l  | 93       |
| 46) Methyl methacrylate       | 9.677  | 41   | 77502    | 75.291   | ug/l  | 100      |
| 47) n-amyl Acetate            | 12.488 | 43   | 138197   | 72.657   | ug/l  | 99       |
| 48) t-1,3-Dichloropropene     | 10.830 | 75   | 114069   | 74.956   | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene   | 10.306 | 75   | 119618   | 74.536   | ug/l  | 99       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 67413    | 75.031   | ug/l  | 98       |
| 51) Ethyl methacrylate        | 10.871 | 69   | 115746   | 73.970   | ug/l  | 99       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 120207   | 75.700   | ug/l  | 99       |
| 53) Dibromochloromethane      | 11.353 | 129  | 74841    | 74.183   | ug/l  | 98       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 67963    | 74.396   | ug/l  | 98       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 31544    | 42.877   | ug/l  | 99       |
| 56) Bromoform                 | 12.576 | 173  | 47975    | 73.279   | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 477113   | 385.744  | ug/l  | 99       |
| 59) 2-Hexanone                | 11.188 | 43   | 353145   | 387.442  | ug/l  | 100      |
| 61) Tetrachloroethene         | 11.100 | 164  | 70658    | 72.481   | ug/l  | 98       |
| 62) Toluene                   | 10.630 | 91   | 316128   | 73.892   | ug/l  | 100      |
| 64) Chlorobenzene             | 11.888 | 112  | 195149   | 73.205   | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 65207    | 73.155   | ug/l  | 99       |
| 66) Ethyl Benzene             | 11.959 | 91   | 349954   | 72.670   | ug/l  | 99       |
| 67) m/p-Xylenes               | 12.071 | 106  | 264965   | 145.012  | ug/l  | 99       |
| 68) o-Xylene                  | 12.394 | 106  | 130809   | 73.116   | ug/l  | 97       |
| 69) Styrene                   | 12.406 | 104  | 218955   | 72.205   | ug/l  | 100      |
| 70) Isopropylbenzene          | 12.688 | 105  | 328024   | 73.450   | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 92193    | 78.402   | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 132109   | 129.651  | ug/l  | 39       |
| 73) Bromobenzene              | 12.976 | 156  | 75280    | 73.321   | ug/l  | 99       |
| 74) n-propylbenzene           | 13.029 | 91   | 390207   | 73.528   | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 242971   | 73.342   | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 271539   | 74.102   | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 39045    | 75.044   | ug/l  | 97       |
| 78) 4-Chlorotoluene           | 13.218 | 91   | 240348   | 72.559   | ug/l  | 100      |
| 79) tert-butylbenzene         | 13.435 | 119  | 234572   | 74.745   | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 273505   | 73.084   | ug/l  | 98       |
| 81) sec-Butylbenzene          | 13.612 | 105  | 339274   | 75.735   | ug/l  | 100      |
| 82) p-Isopropyltoluene        | 13.723 | 119  | 279394   | 74.534   | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 139120   | 71.680   | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 13.806 | 146  | 139291   | 72.639   | ug/l  | 98       |
| 85) n-Butylbenzene            | 14.053 | 91   | 246584   | 73.721   | ug/l  | 99       |
| 86) Hexachloroethane          | 14.329 | 117  | 45232    | 73.794   | ug/l  | 97       |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 135076   | 73.143   | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 17406    | 72.824   | ug/l  | 97       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 63112    | 74.983   | ug/l  | 98       |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 25210    | 74.358   | ug/l  | 96       |
| 91) Naphthalene               | 15.635 | 128  | 228296   | 75.762   | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 63112    | 74.983   | ug/l  | 98       |

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

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QLast Update : Thu Apr 24 03:57:58 2025  
Response via : Initial Calibration

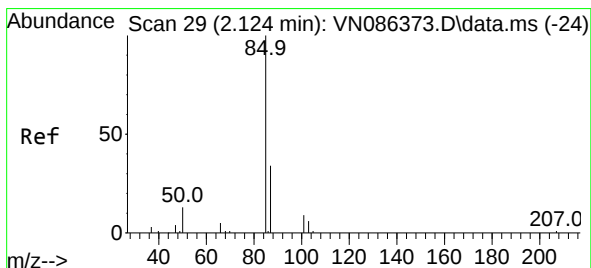
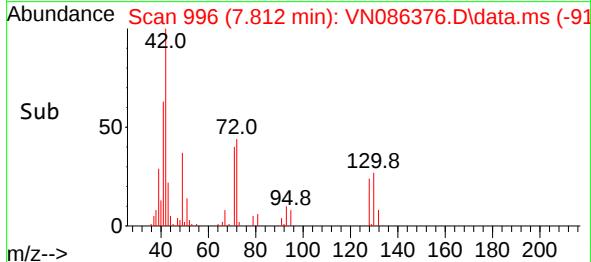
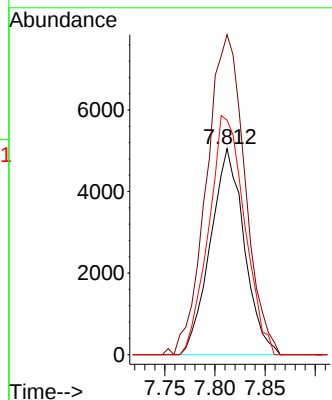
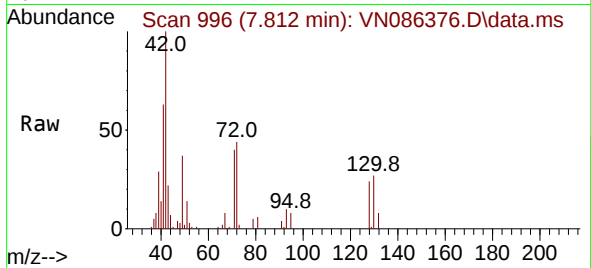




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

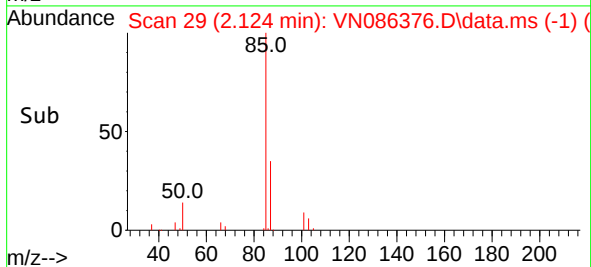
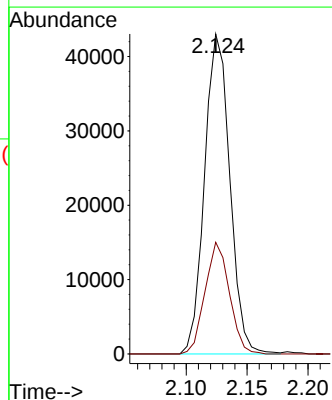
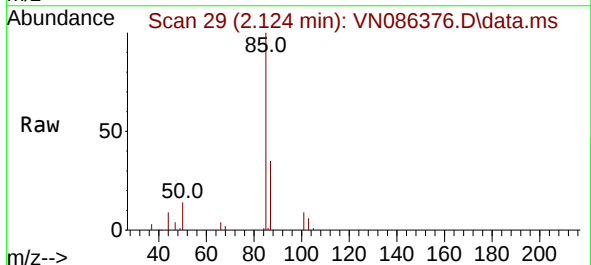
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

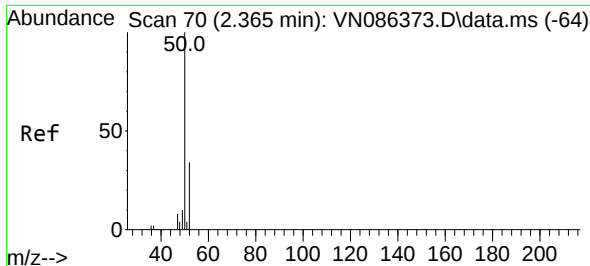
Tgt Ion:128 Resp: 11862  
Ion Ratio Lower Upper  
128 100  
49 176.1 0.0 433.8  
130 123.2 0.0 325.0



#2  
Dichlorodifluoromethane  
Concen: 75.824 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 85 Resp: 62095  
Ion Ratio Lower Upper  
85 100  
87 34.9 17.0 50.9

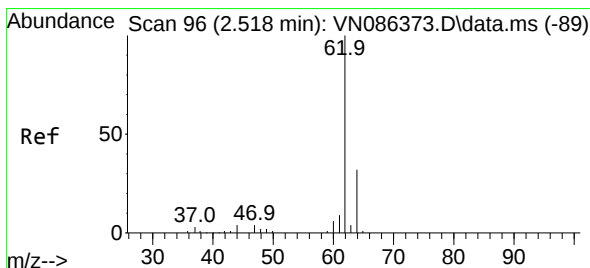
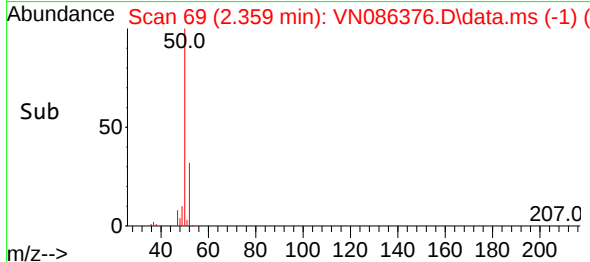
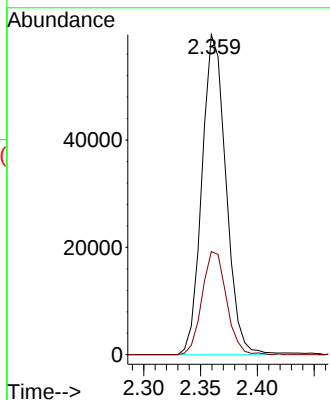
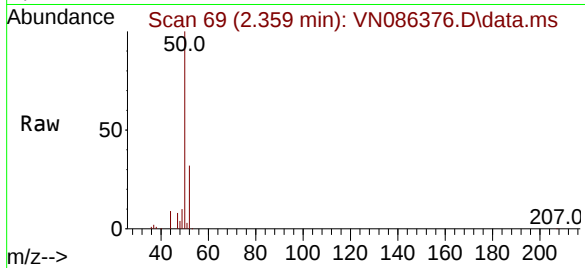




#3  
Chloromethane  
Concen: 75.471 ug/l  
RT: 2.359 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

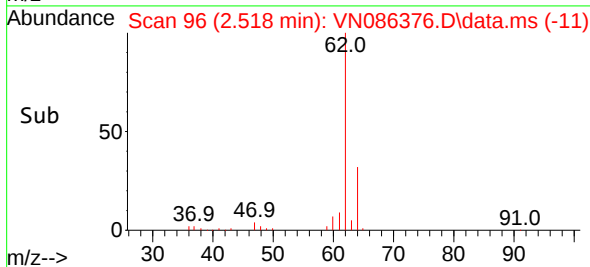
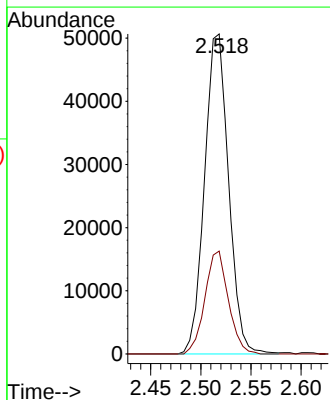
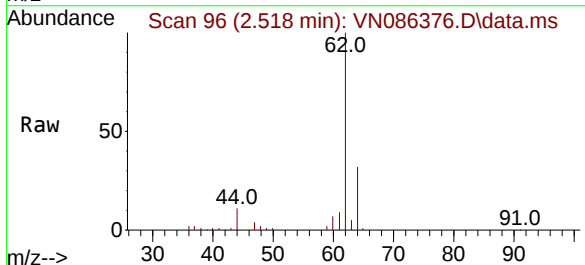
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

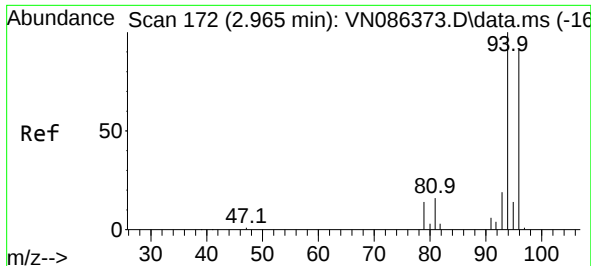
Tgt Ion: 50 Resp: 87795  
Ion Ratio Lower Upper  
50 100  
52 32.2 27.3 40.9



#4  
Vinyl Chloride  
Concen: 76.030 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 62 Resp: 84710  
Ion Ratio Lower Upper  
62 100  
64 32.2 25.8 38.8

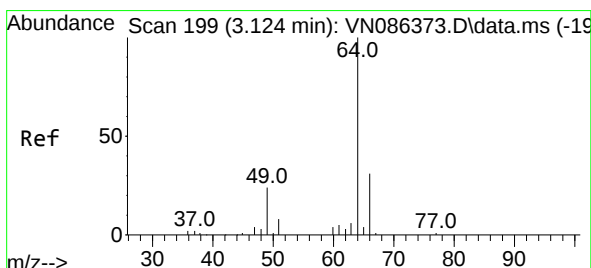
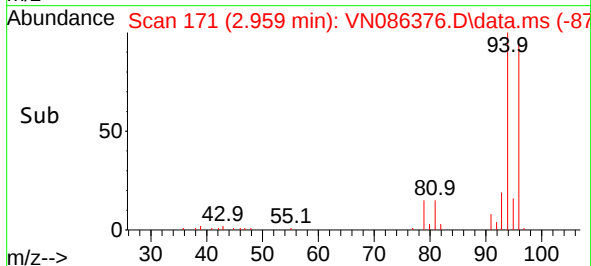
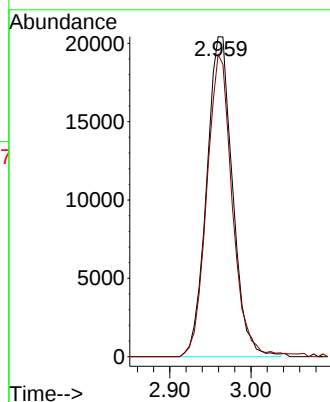
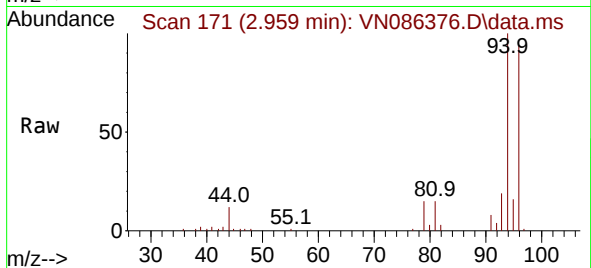




#5  
Bromomethane  
Concen: 77.906 ug/l  
RT: 2.959 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

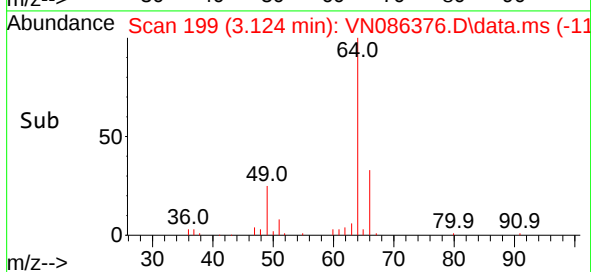
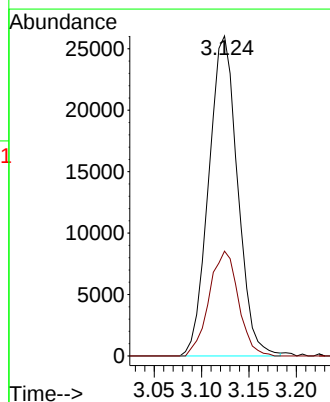
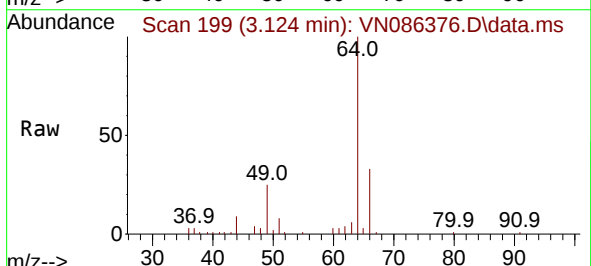
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

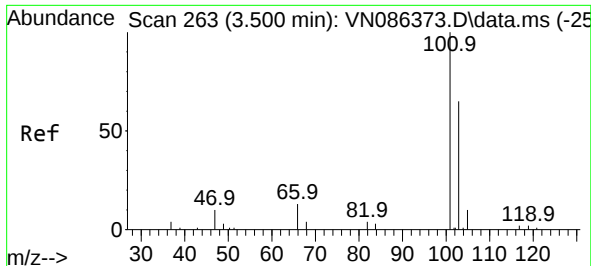
Tgt Ion: 94 Resp: 45317  
Ion Ratio Lower Upper  
94 100  
96 94.4 72.4 108.6



#6  
Chloroethane  
Concen: 74.564 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 64 Resp: 55384  
Ion Ratio Lower Upper  
64 100  
66 32.8 24.5 36.7

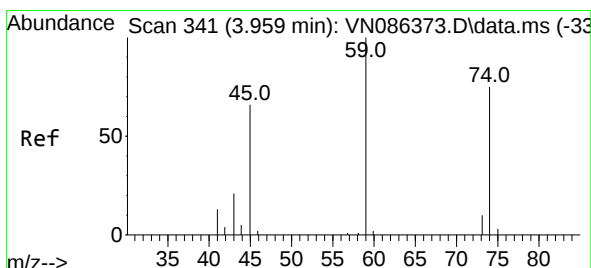
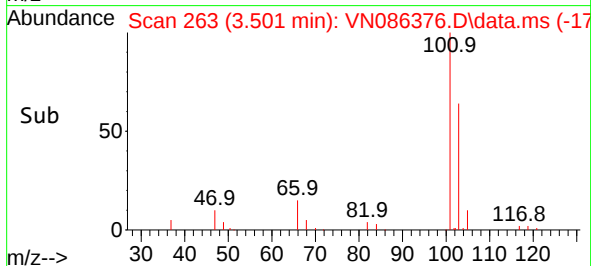
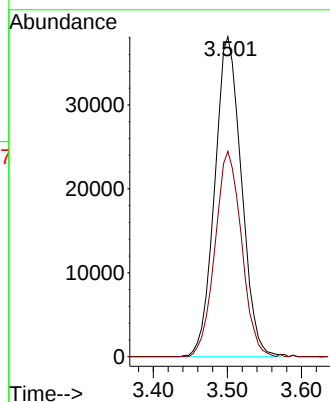
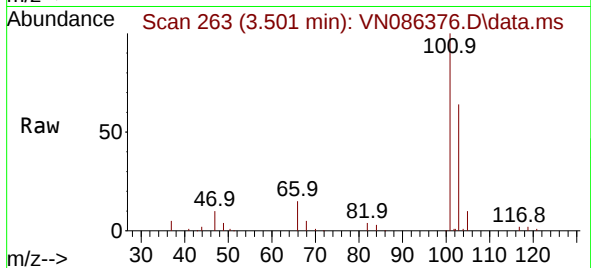




#7  
Trichlorofluoromethane  
Concen: 72.419 ug/l  
RT: 3.501 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

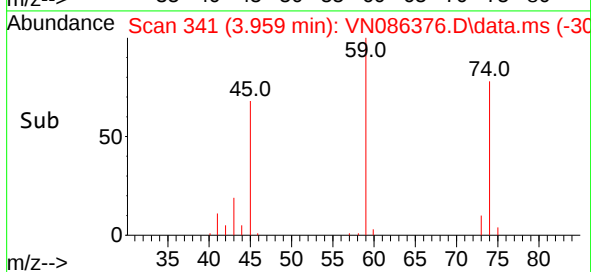
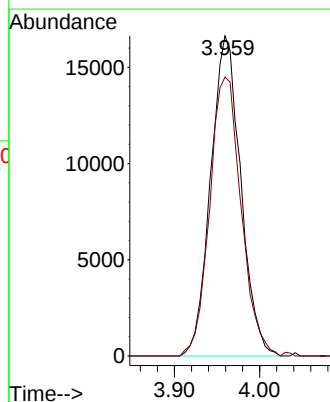
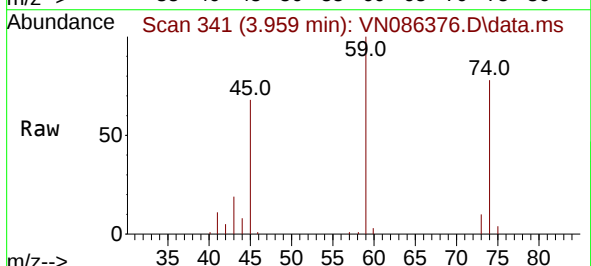
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

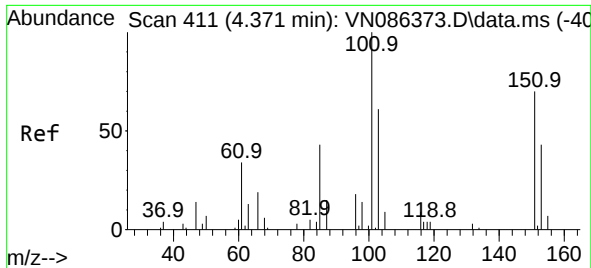
Tgt Ion:101 Resp: 95240  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.8 77.6



#8  
Diethyl Ether  
Concen: 73.303 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 74 Resp: 40693  
Ion Ratio Lower Upper  
74 100  
45 91.1 18.5 166.3

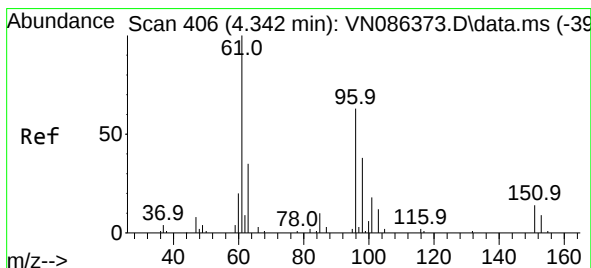
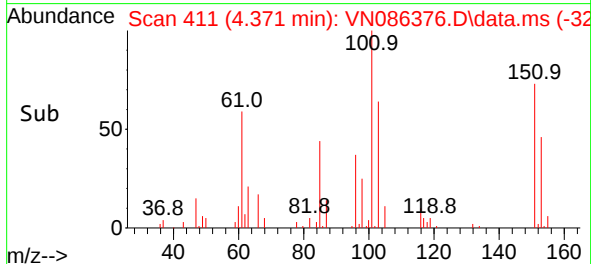
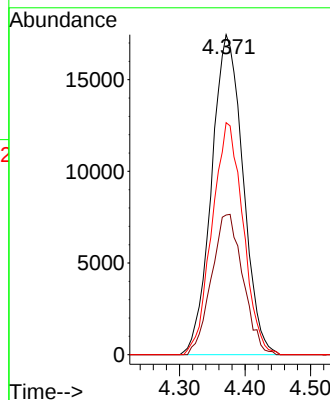
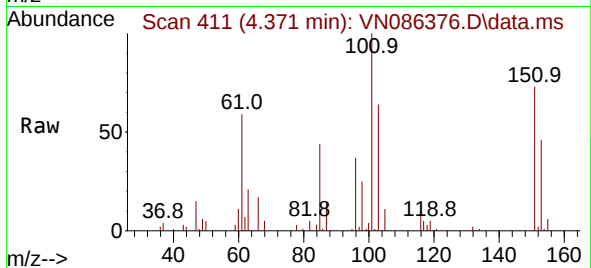




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 71.916 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

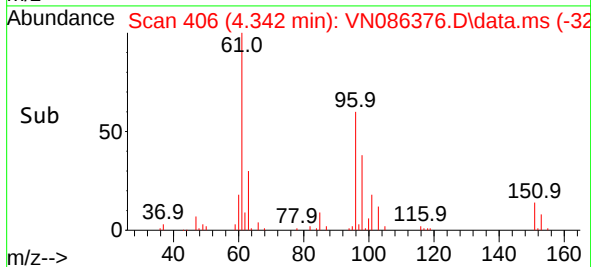
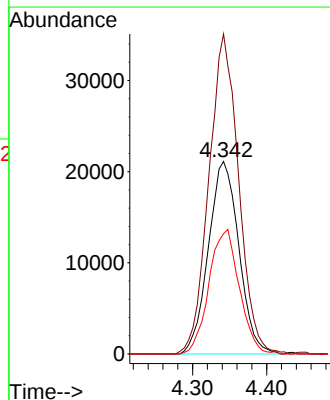
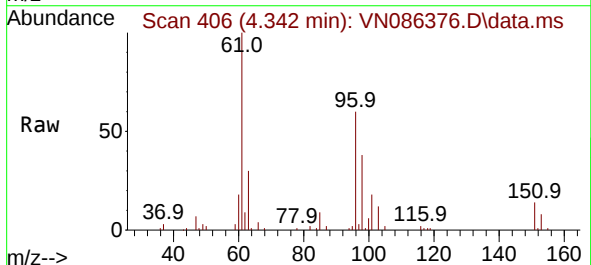
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

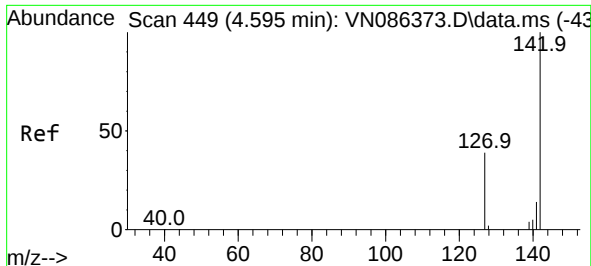
Tgt Ion:101 Resp: 58145  
Ion Ratio Lower Upper  
101 100  
85 43.8 0.0 84.4  
151 71.5 0.0 145.8



#10  
1,1-Dichloroethene  
Concen: 72.974 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 96 Resp: 60388  
Ion Ratio Lower Upper  
96 100  
61 165.2 126.2 189.4  
98 62.5 48.5 72.7

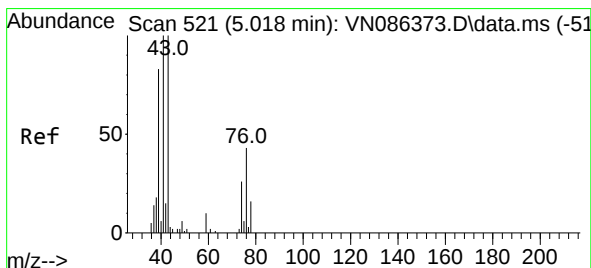
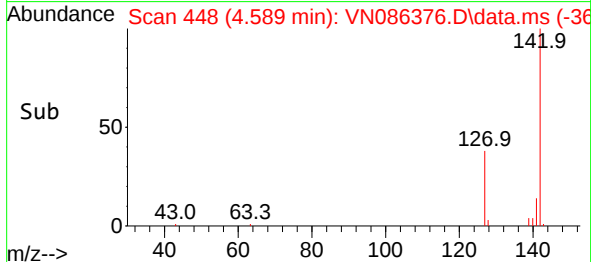
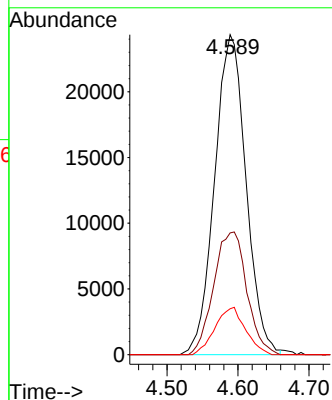
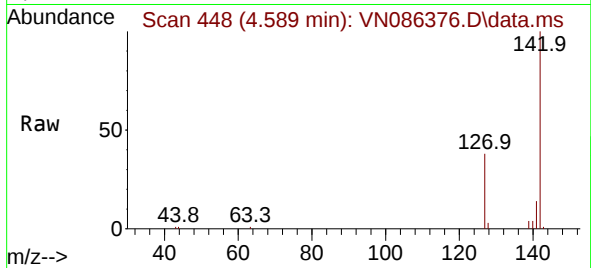




#11  
Methyl Iodide  
Concen: 77.234 ug/l  
RT: 4.589 min Scan# 449  
Delta R.T. -0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

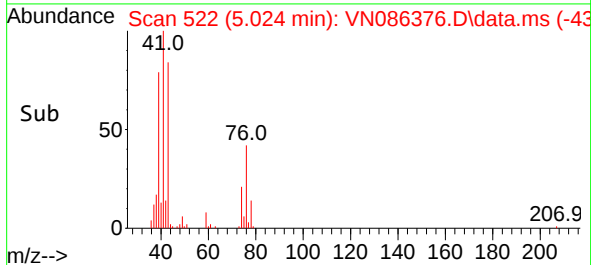
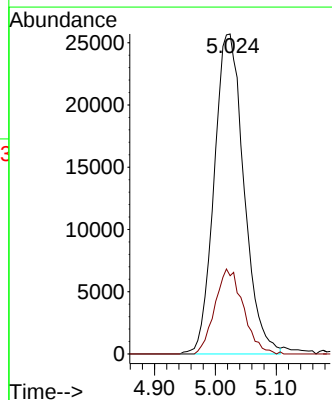
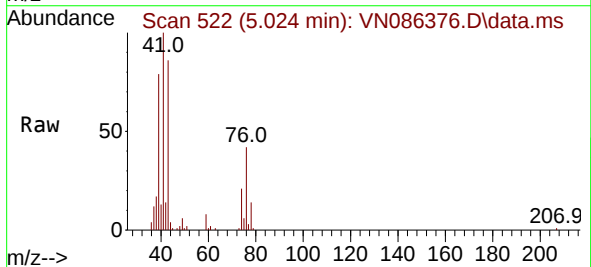
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

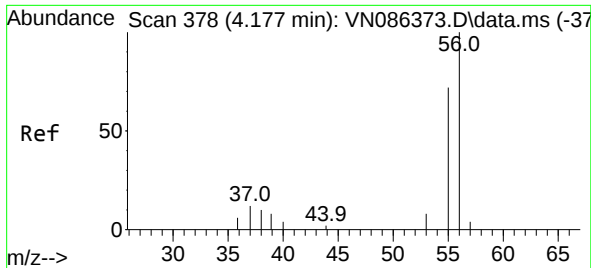
Tgt Ion:142 Resp: 74782  
Ion Ratio Lower Upper  
142 100  
127 38.3 19.3 57.9  
141 14.4 7.1 21.3



#12  
Methyl Acetate  
Concen: 74.428 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 43 Resp: 87299  
Ion Ratio Lower Upper  
43 100  
74 24.4 20.8 31.2





#13

Acrolein

Concen: 355.386 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Instrument :

MSVOA\_N

ClientSampleId :

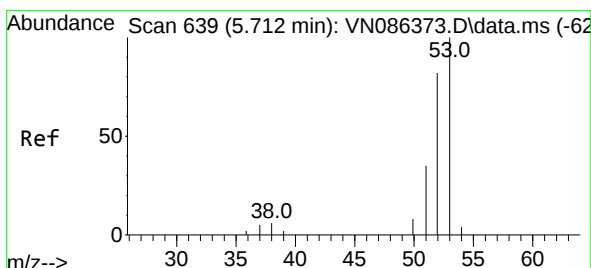
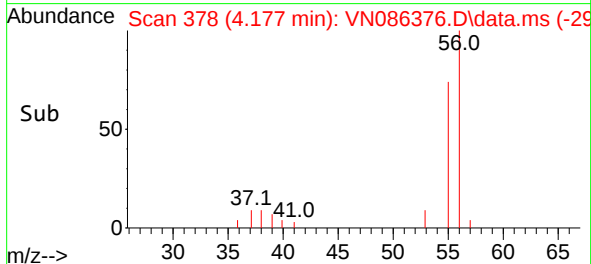
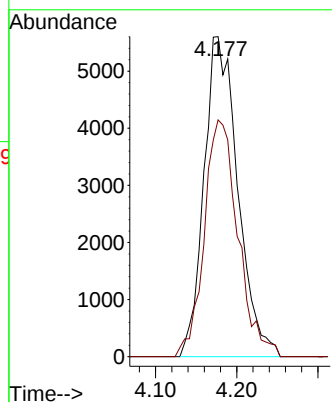
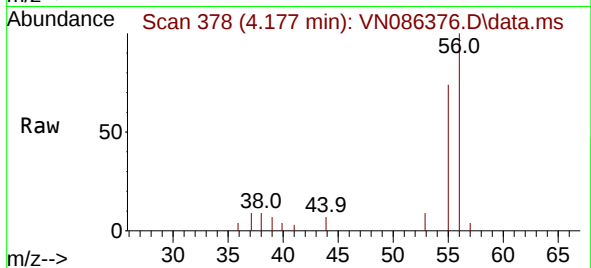
VSTDICC100

Tgt Ion: 56 Resp: 16251

Ion Ratio Lower Upper

56 100

55 73.5 56.1 84.1



#14

Acrylonitrile

Concen: 391.402 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

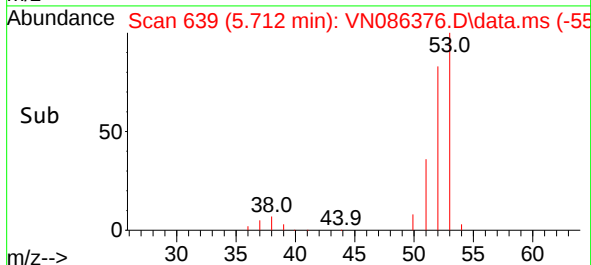
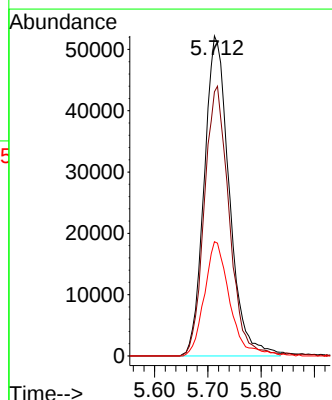
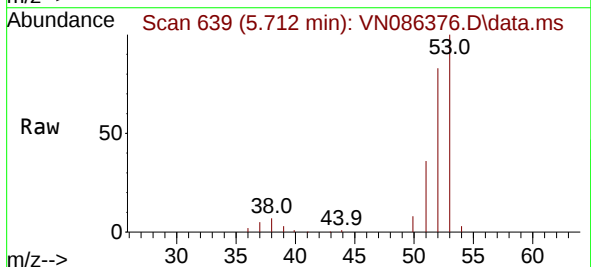
Tgt Ion: 53 Resp: 170864

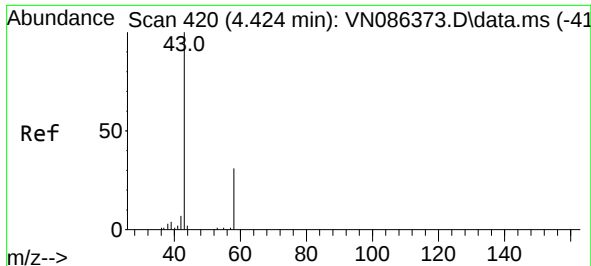
Ion Ratio Lower Upper

53 100

52 82.5 41.2 123.6

51 35.5 17.6 52.8





#15

Acetone

Concen: 346.858 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Instrument :

MSVOA\_N

ClientSampleId :

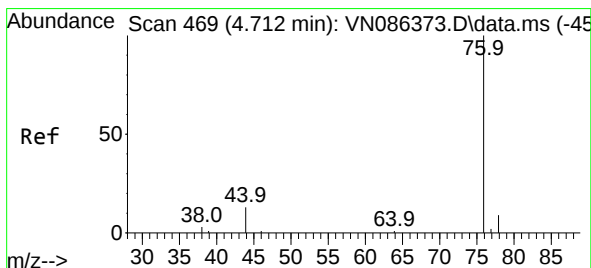
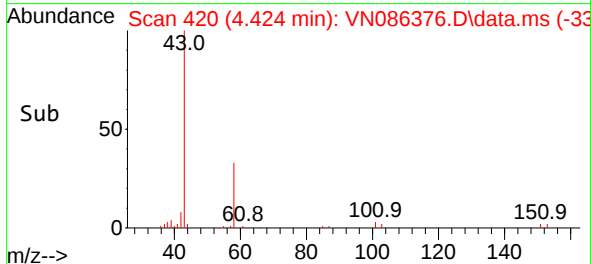
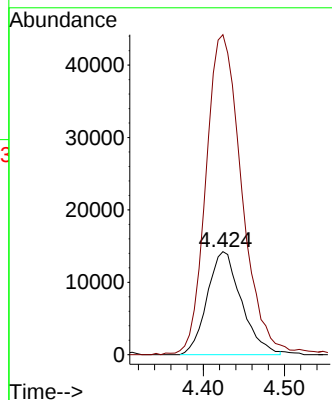
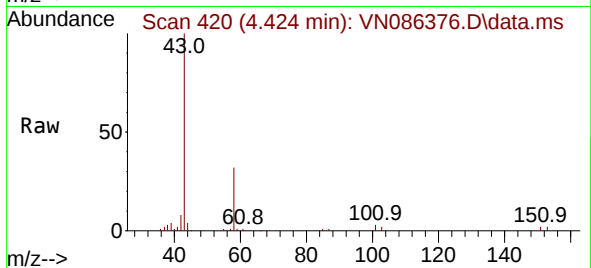
VSTDICC100

Tgt Ion: 58 Resp: 41724

Ion Ratio Lower Upper

58 100

43 306.5 255.1 382.7



#16

Carbon Disulfide

Concen: 76.243 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086376.D

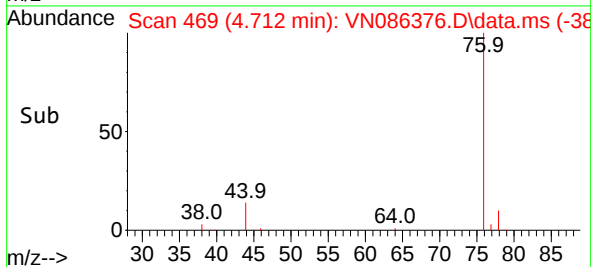
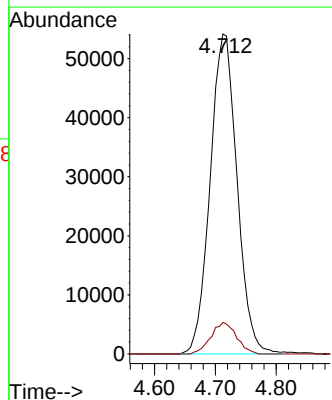
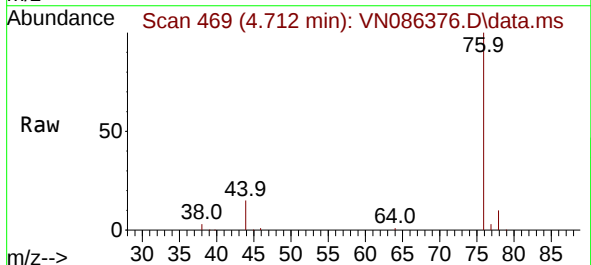
Acq: 23 Apr 2025 10:57

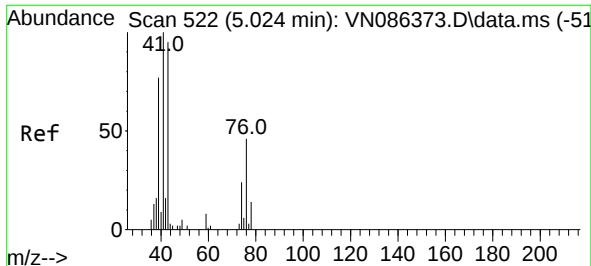
Tgt Ion: 76 Resp: 166254

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

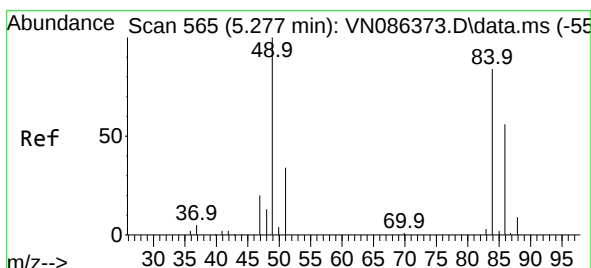
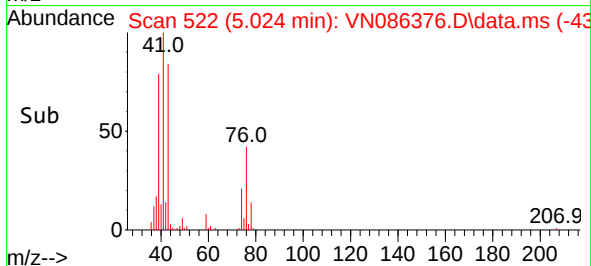
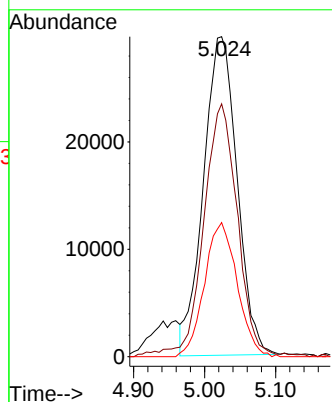
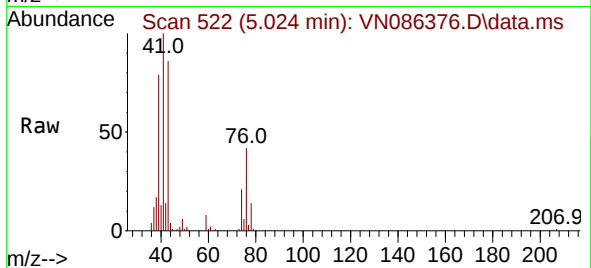




#17  
 Allyl chloride  
 Concen: 73.864 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

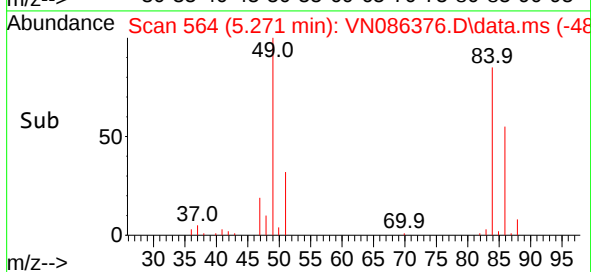
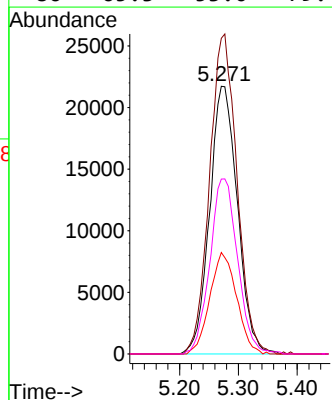
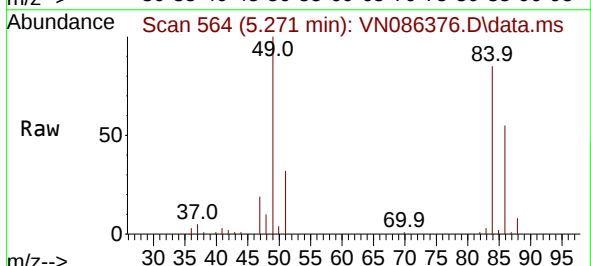
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

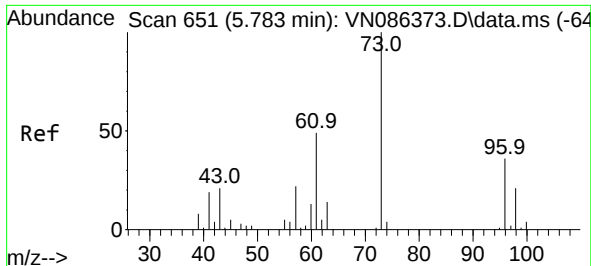
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 97736 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 78.8  | 36.7  | 110.1 |
| 76       | 42.2  | 21.8  | 65.4  |



#18  
 Methylene Chloride  
 Concen: 75.706 ug/l  
 RT: 5.271 min Scan# 564  
 Delta R.T. -0.006 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 71345 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.9 | 95.4  | 143.0 |
| 51       | 37.9  | 32.8  | 49.2  |
| 86       | 65.3  | 53.0  | 79.4  |





#19

trans-1,2-Dichloroethene

Concen: 73.241 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

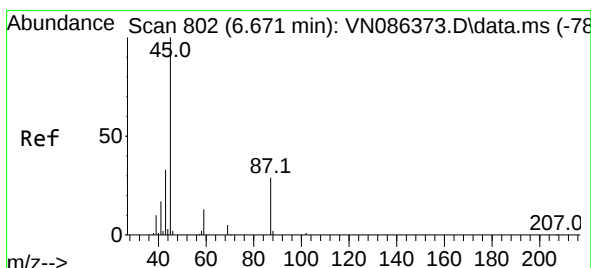
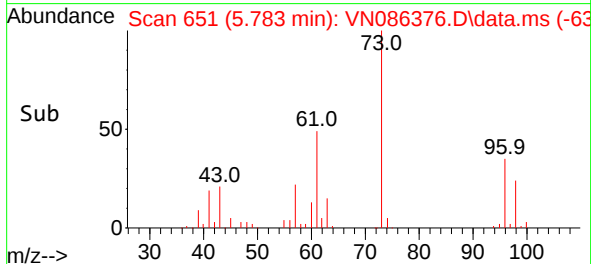
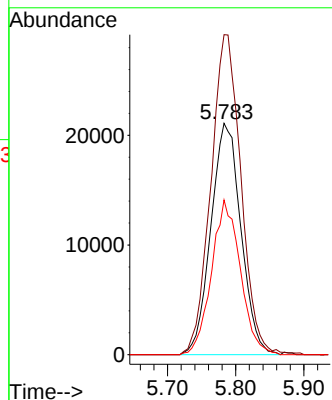
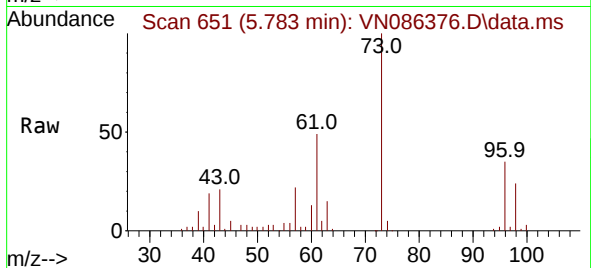
Tgt Ion: 96 Resp: 64601

Ion Ratio Lower Upper

96 100

61 138.4 107.3 160.9

98 66.9 46.7 70.1



#20

Diisopropyl ether

Concen: 71.641 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Tgt Ion: 45 Resp: 225395

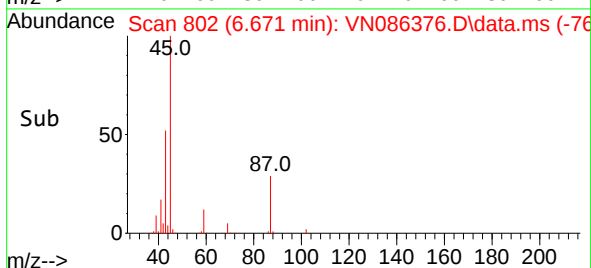
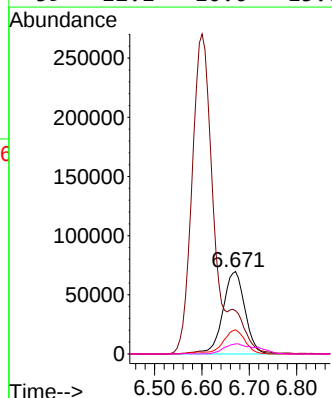
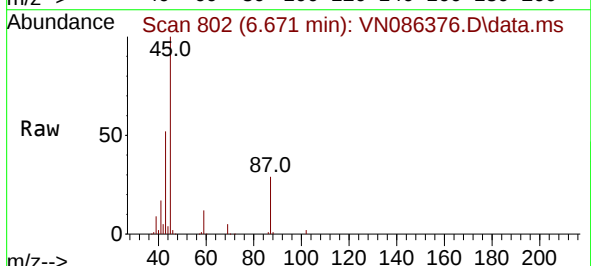
Ion Ratio Lower Upper

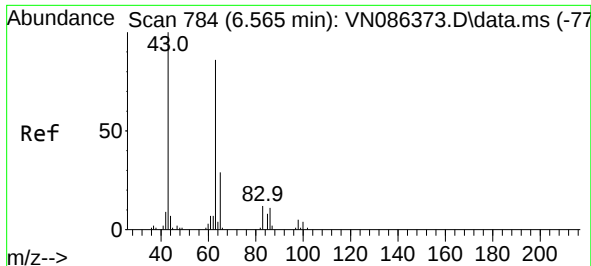
45 100

43 51.4 38.8 58.2

87 29.2 23.5 35.3

59 12.1 10.0 15.0

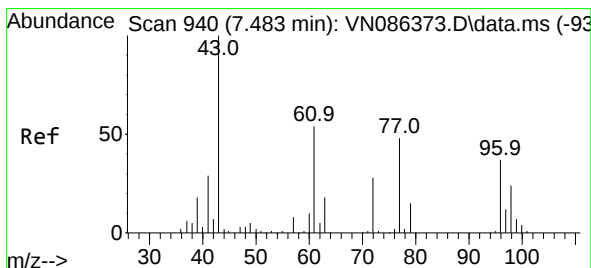
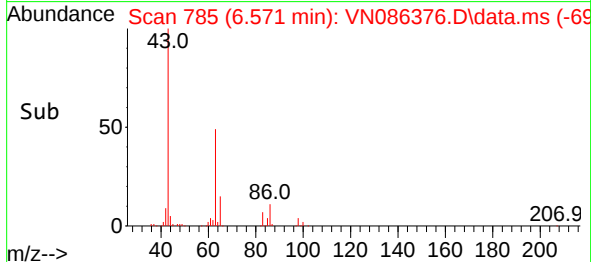
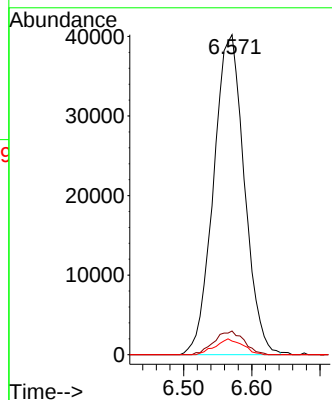
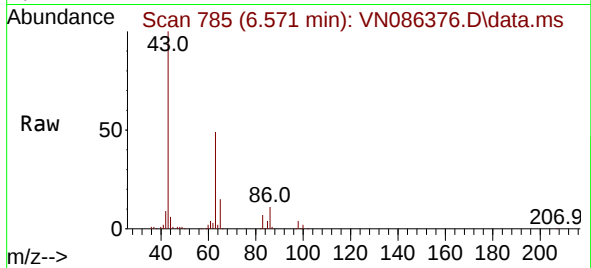




#21  
1,1-Dichloroethane  
Concen: 73.399 ug/l  
RT: 6.571 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

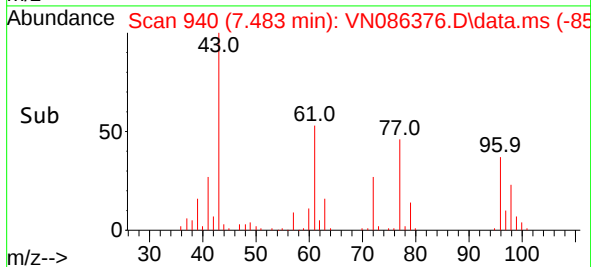
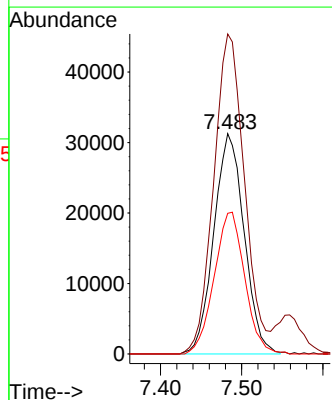
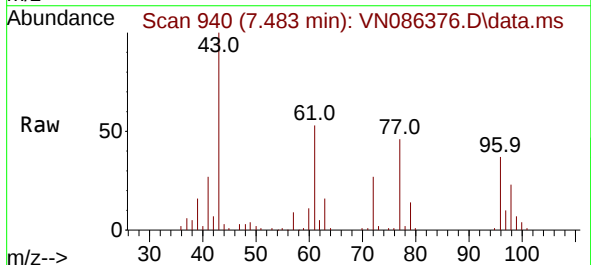
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

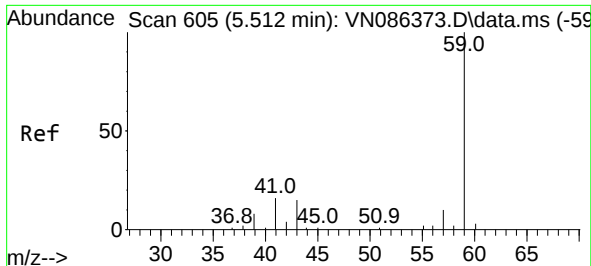
Tgt Ion: 63 Resp: 126406  
Ion Ratio Lower Upper  
63 100  
98 7.4 3.0 9.2  
100 4.3 2.3 6.8



#22  
cis-1,2-Dichloroethene  
Concen: 73.614 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 96 Resp: 81190  
Ion Ratio Lower Upper  
96 100  
61 147.7 120.6 181.0  
98 64.8 51.8 77.6

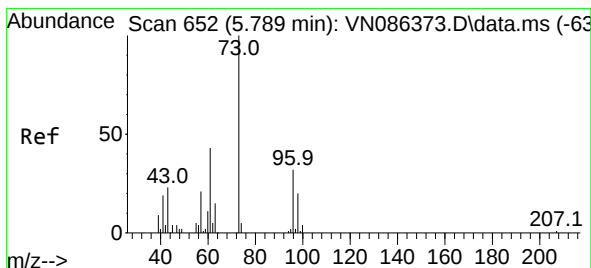
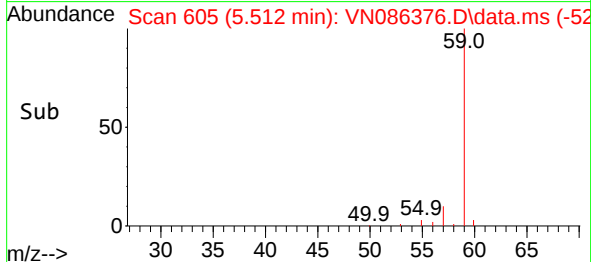
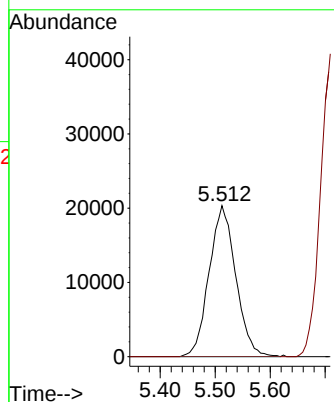
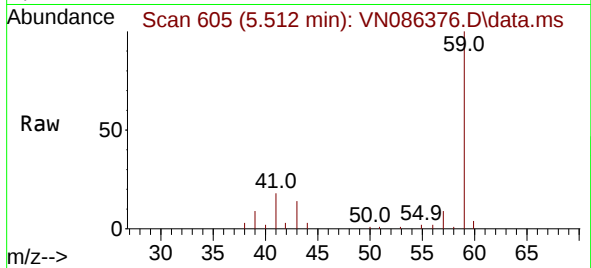




#23  
tert-Butyl Alcohol  
Concen: 405.435 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

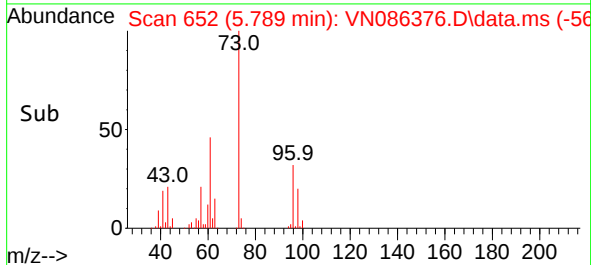
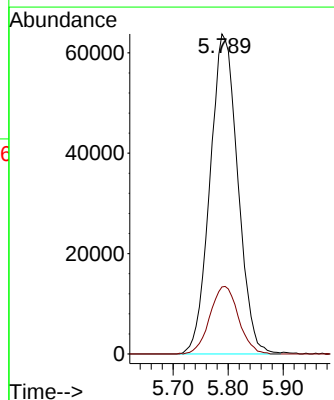
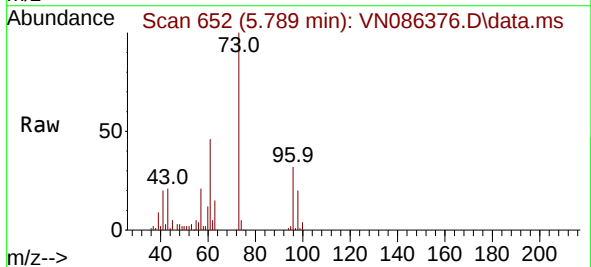
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

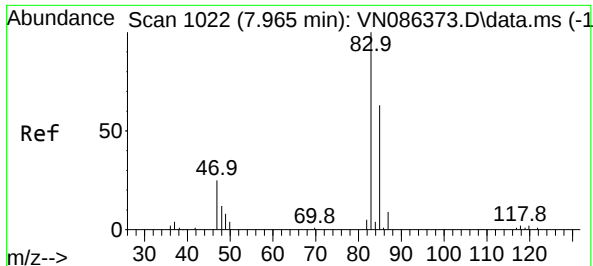
Tgt Ion: 59 Resp: 68563  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.1 0.1#



#24  
Methyl tert-Butyl Ether  
Concen: 73.222 ug/l  
RT: 5.789 min Scan# 652  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 73 Resp: 223875  
Ion Ratio Lower Upper  
73 100  
43 21.7 17.1 25.7





#25

Chloroform

Concen: 73.108 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Instrument :

MSVOA\_N

ClientSampleId :

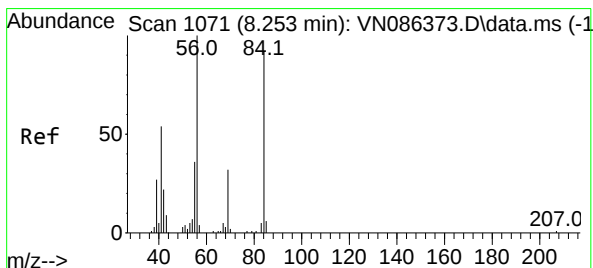
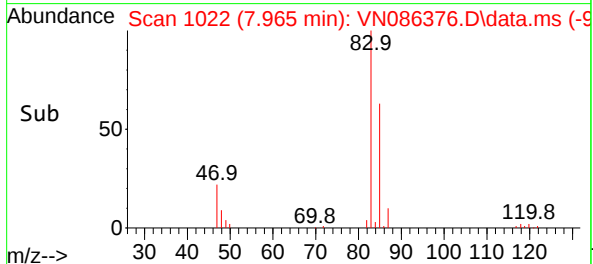
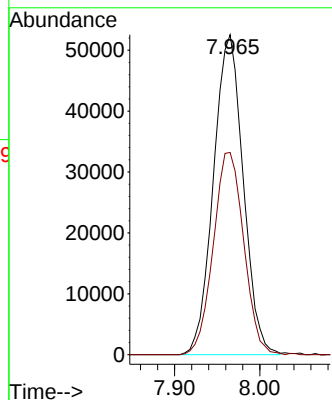
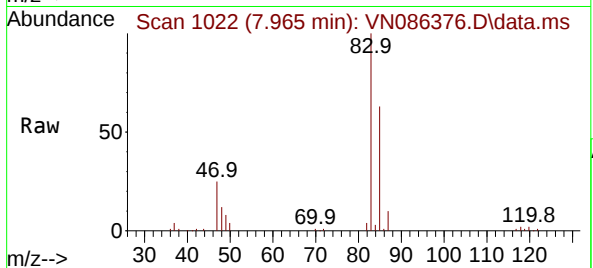
VSTDIC100

Tgt Ion: 83 Resp: 127422

Ion Ratio Lower Upper

83 100

85 63.2 50.2 75.2



#26

Cyclohexane

Concen: 72.376 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

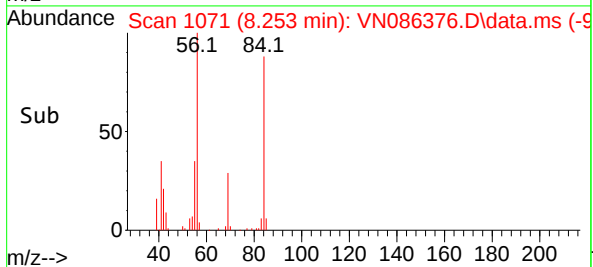
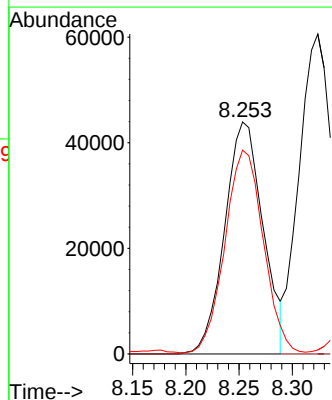
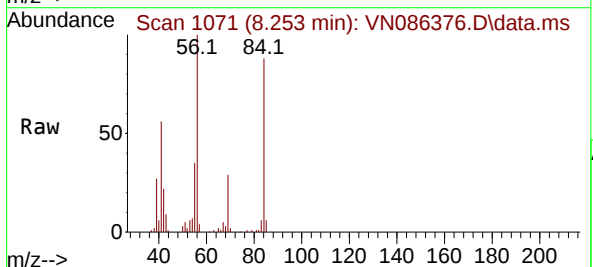
Tgt Ion: 56 Resp: 110055

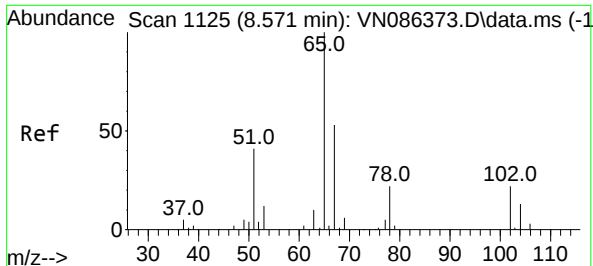
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 88.4 71.5 107.3

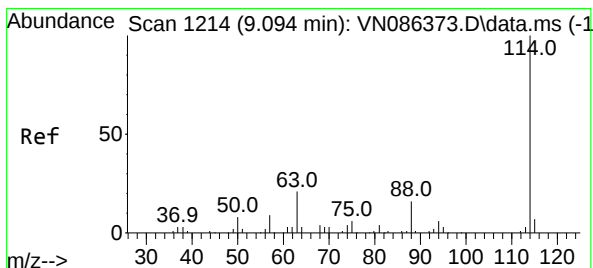
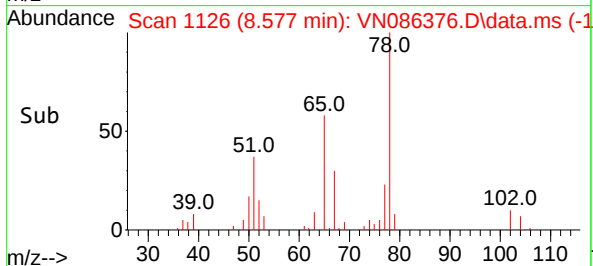
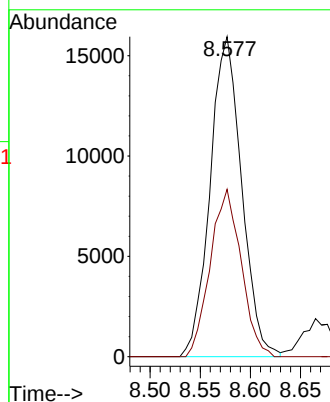
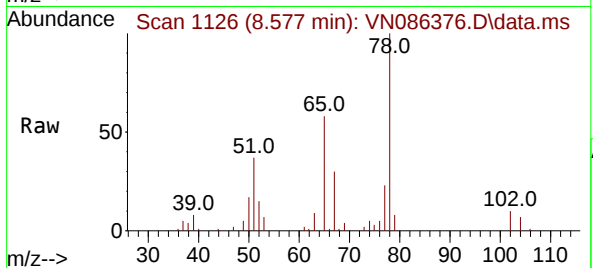




#27  
1,2-Dichloroethane-d4  
Concen: 30.522 ug/l  
RT: 8.577 min Scan# 1125  
Delta R.T. 0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

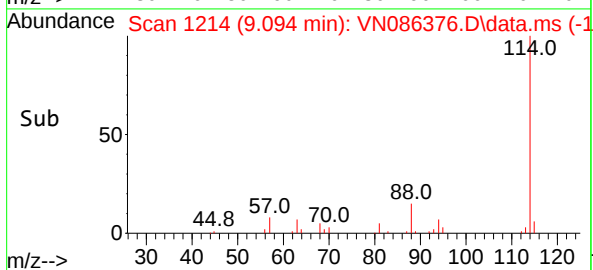
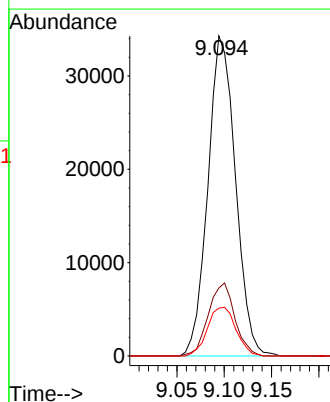
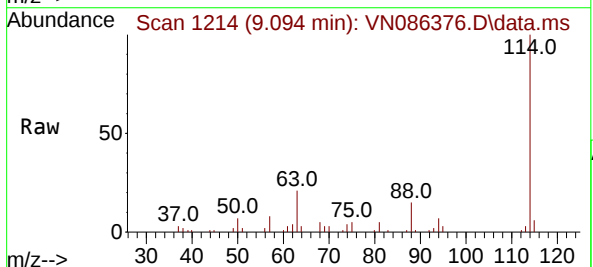
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

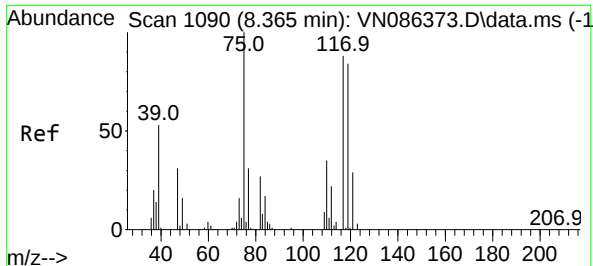
Tgt Ion: 65 Resp: 34906  
Ion Ratio Lower Upper  
65 100  
67 51.3 42.5 63.7



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.094 min Scan# 1214  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 114 Resp: 69437  
Ion Ratio Lower Upper  
114 100  
63 21.9 16.7 25.1  
88 15.7 12.6 19.0

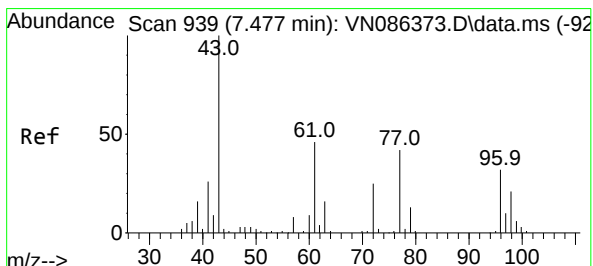
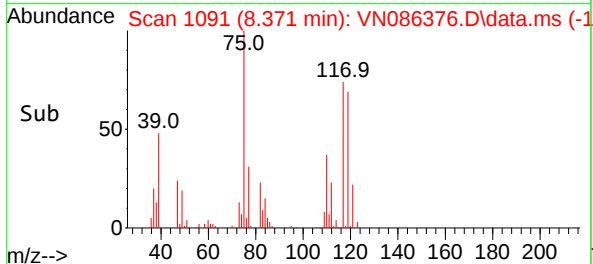
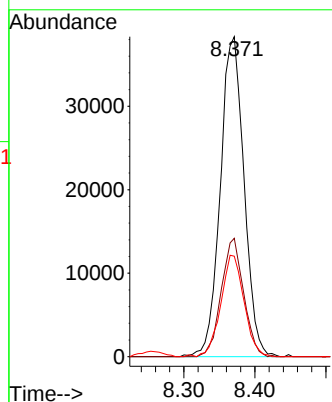
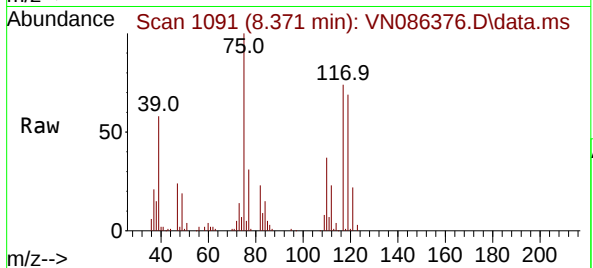




#29  
1,1-Dichloropropene  
Concen: 72.649 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

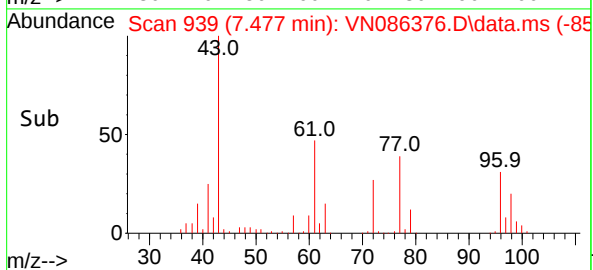
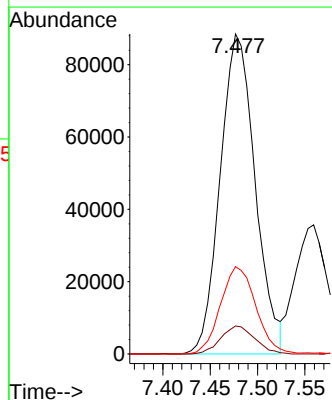
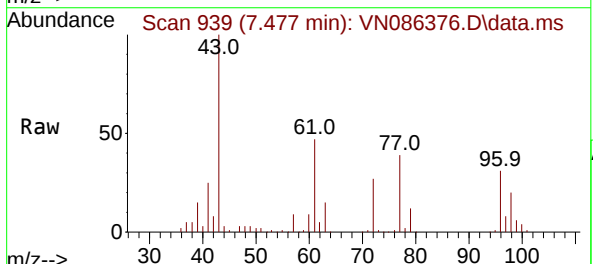
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

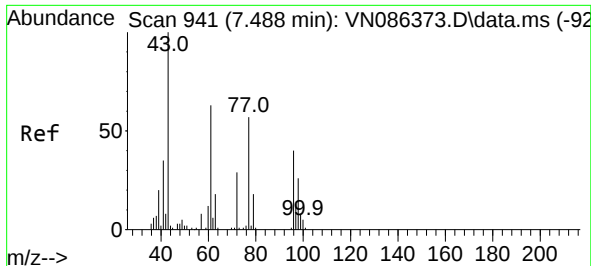
Tgt Ion: 75 Resp: 88931  
Ion Ratio Lower Upper  
75 100  
110 34.7 0.0 68.0  
77 30.9 0.0 61.4



#30  
2-Butanone  
Concen: 383.017 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 43 Resp: 227570  
Ion Ratio Lower Upper  
43 100  
57 8.5 6.6 10.0  
72 27.6 22.2 33.4





#31

2,2-Dichloropropane

Concen: 72.367 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Instrument :

MSVOA\_N

ClientSampleId :

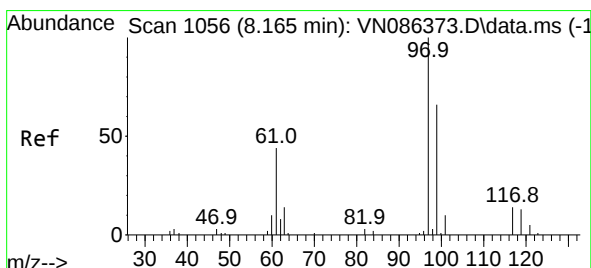
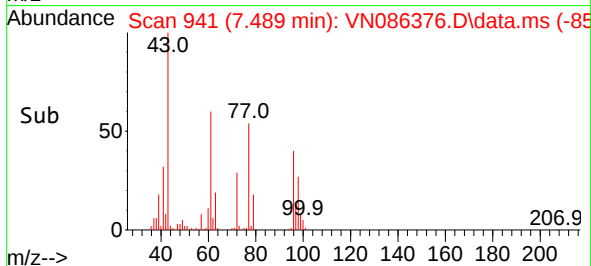
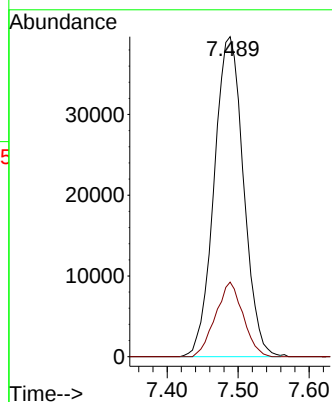
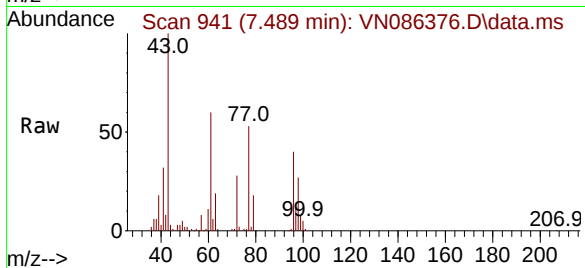
VSTDIC100

Tgt Ion: 77 Resp: 113875

Ion Ratio Lower Upper

77 100

97 21.8 18.2 27.2



#32

1,1,1-Trichloroethane

Concen: 74.281 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

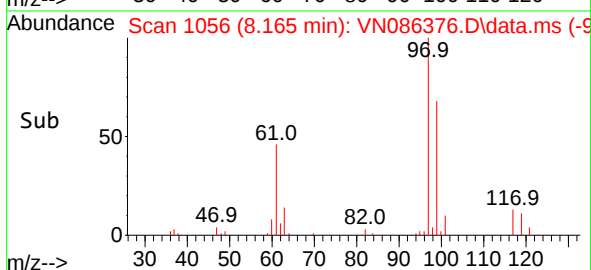
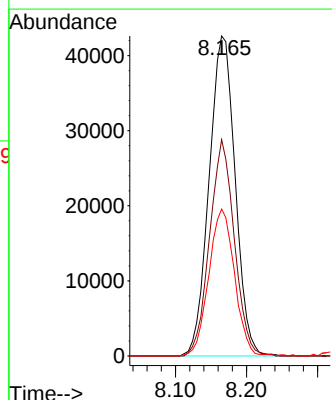
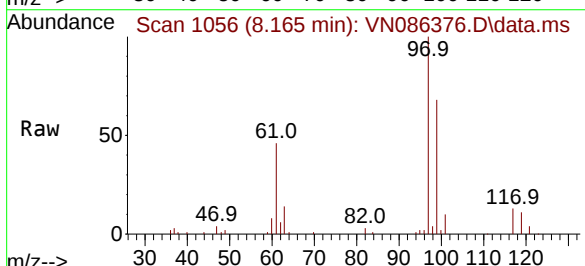
Tgt Ion: 97 Resp: 108658

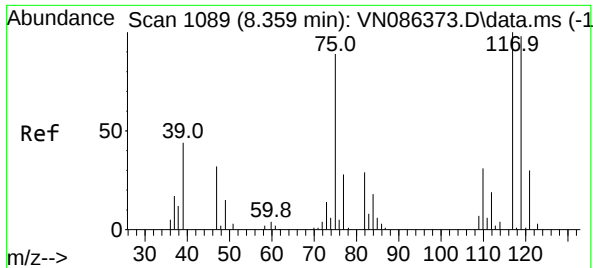
Ion Ratio Lower Upper

97 100

99 64.1 52.6 79.0

61 45.2 36.4 54.6

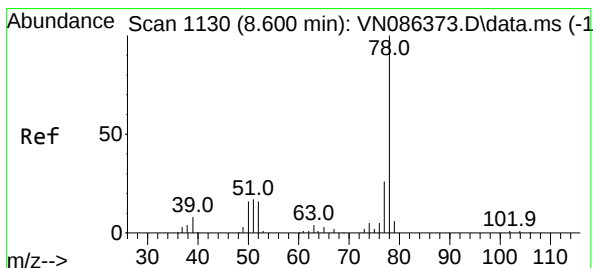
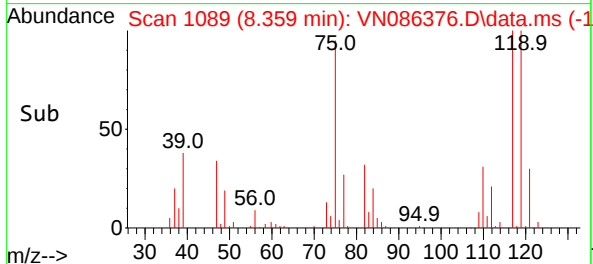
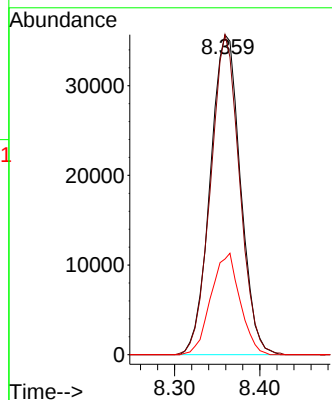
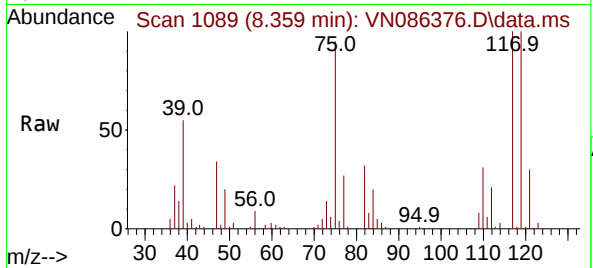




#33  
Carbon Tetrachloride  
Concen: 72.867 ug/l  
RT: 8.359 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

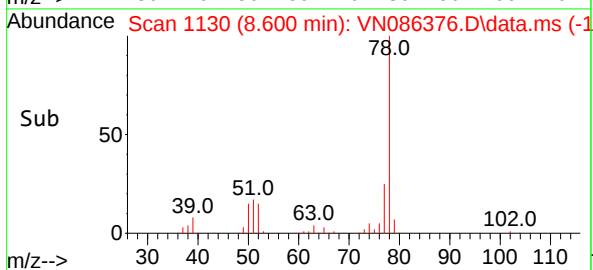
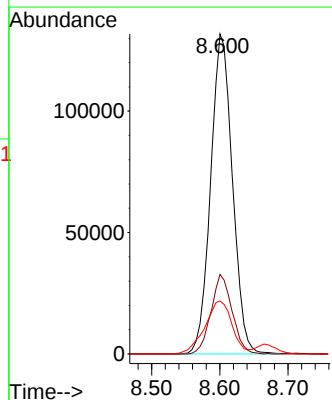
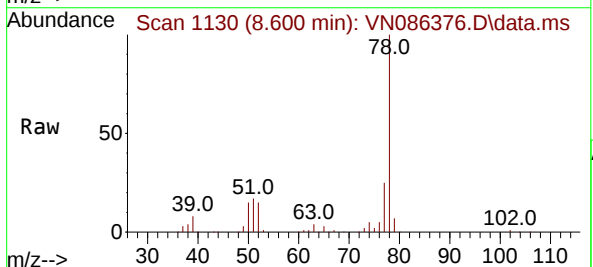
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

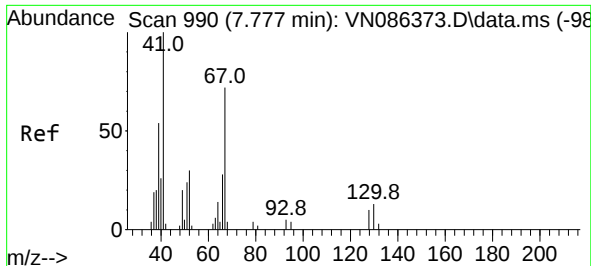
Tgt Ion:117 Resp: 87746  
Ion Ratio Lower Upper  
117 100  
119 99.6 78.6 117.8  
121 29.9 24.0 36.0



#34  
Benzene  
Concen: 75.347 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 78 Resp: 293359  
Ion Ratio Lower Upper  
78 100  
77 24.8 20.8 31.2  
51 16.2 14.0 21.0

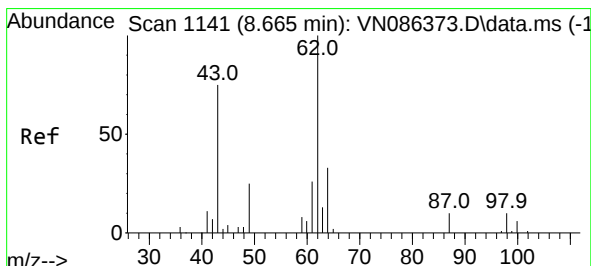
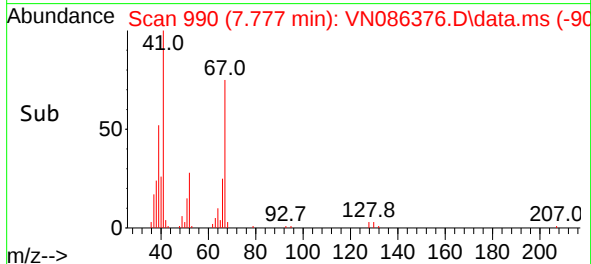
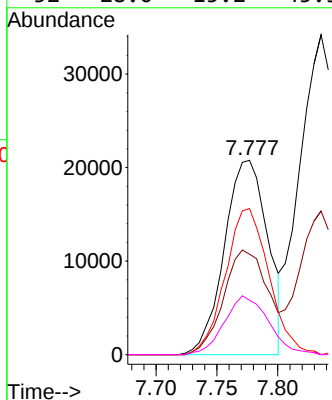
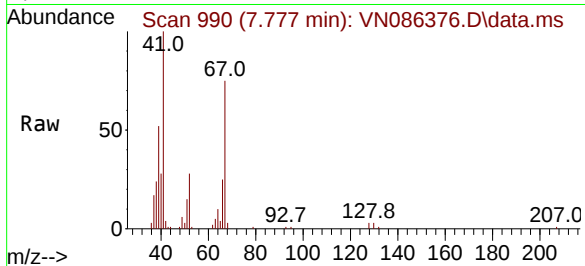




#35  
Methacrylonitrile  
Concen: 76.245 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

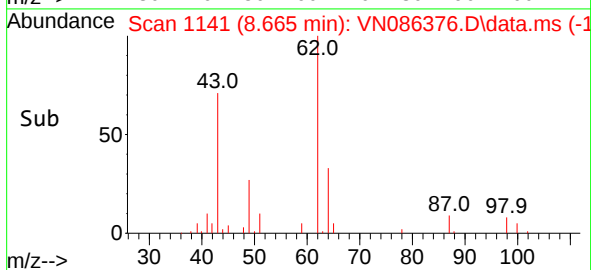
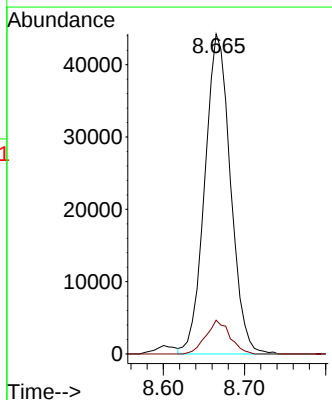
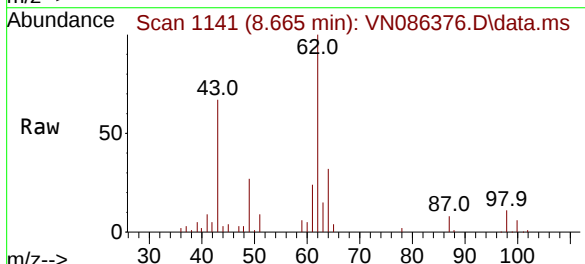
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

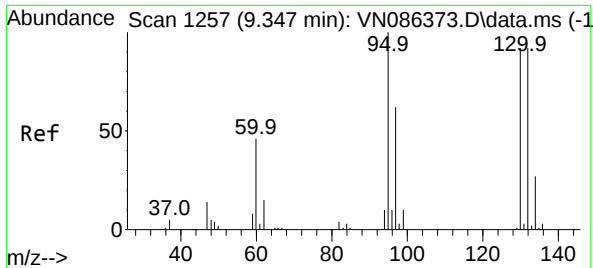
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 51676 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.6  | 27.0  | 80.8  |
| 67       | 75.1  | 35.8  | 107.3 |
| 52       | 28.0  | 15.2  | 45.5  |



#36  
1,2-Dichloroethane  
Concen: 77.054 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 97403 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.8   | 7.6   | 11.4  |





#37

Trichloroethene

Concen: 71.790 ug/l

RT: 9.347 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Instrument :

MSVOA\_N

ClientSampleId :

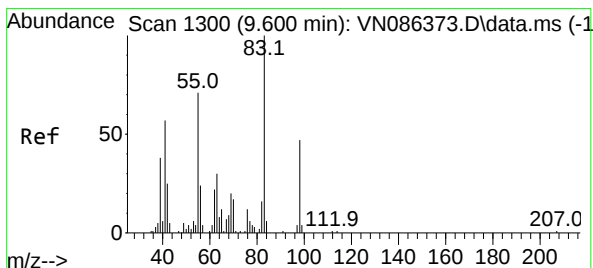
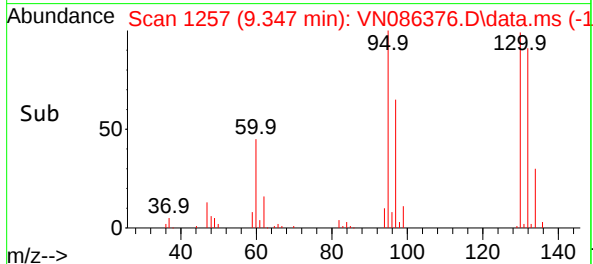
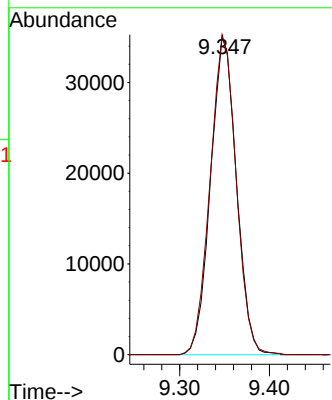
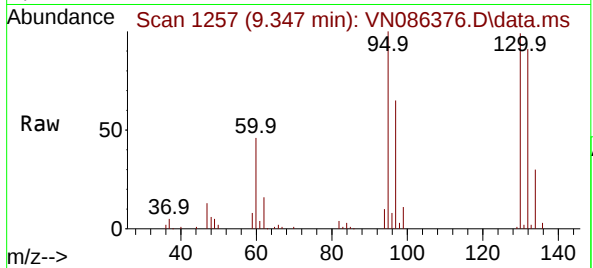
VSTDIC100

Tgt Ion:130 Resp: 69973

Ion Ratio Lower Upper

130 100

95 100.7 86.6 130.0



#38

Methylcyclohexane

Concen: 76.391 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

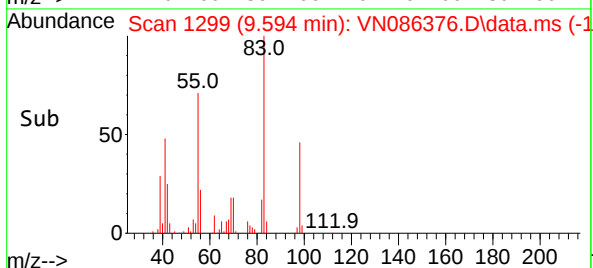
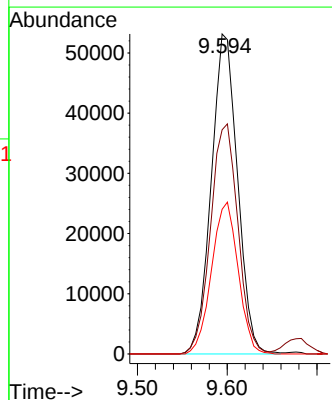
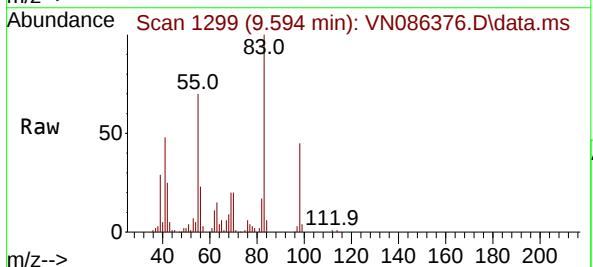
Tgt Ion: 83 Resp: 108000

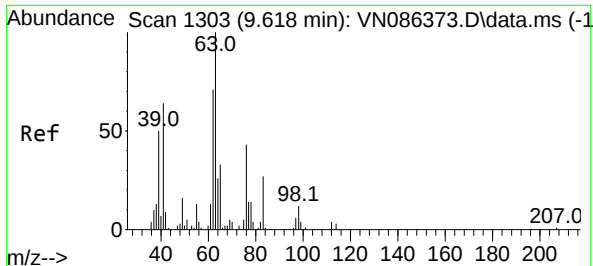
Ion Ratio Lower Upper

83 100

55 75.0 37.3 111.9

98 48.1 23.8 71.5





#39

1,2-Dichloropropane

Concen: 74.760 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Instrument :

MSVOA\_N

ClientSampleId :

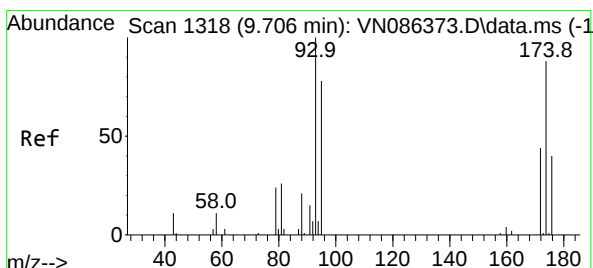
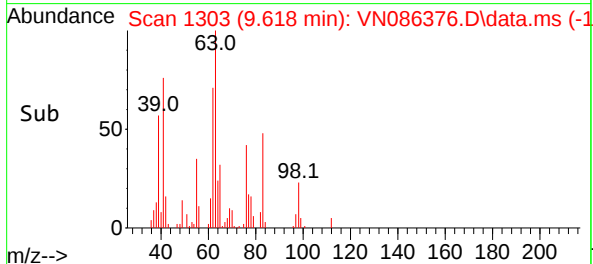
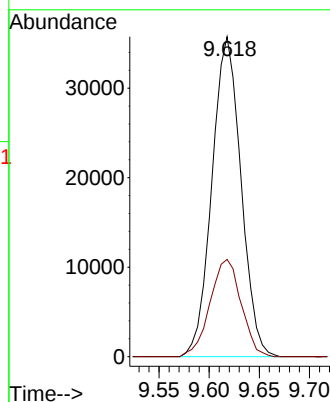
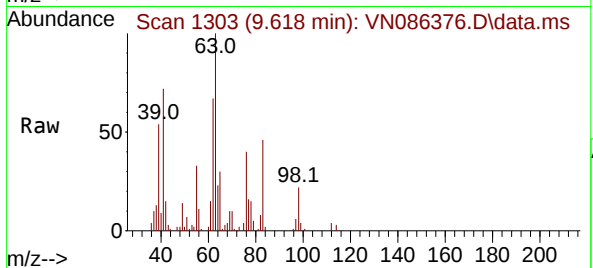
VSTDIC100

Tgt Ion: 63 Resp: 71908

Ion Ratio Lower Upper

63 100

65 30.4 26.7 40.1



#40

Dibromomethane

Concen: 74.930 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

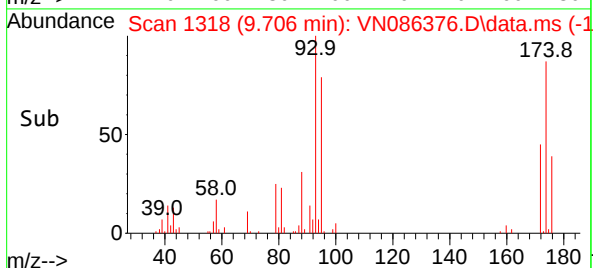
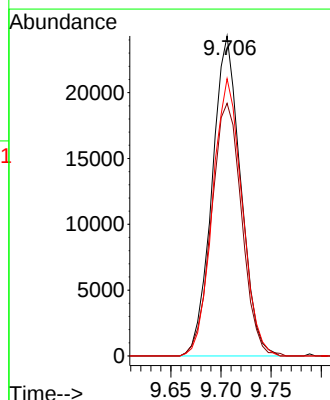
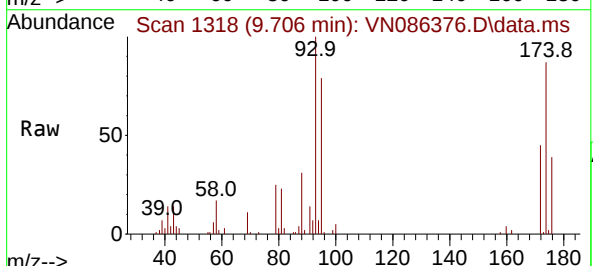
Tgt Ion: 93 Resp: 48198

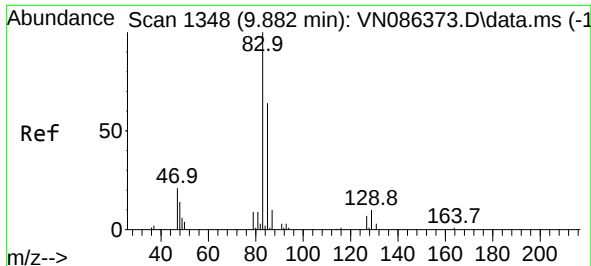
Ion Ratio Lower Upper

93 100

95 83.3 0.0 159.2

174 89.1 0.0 171.4

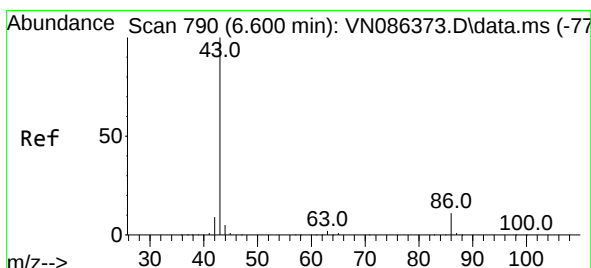
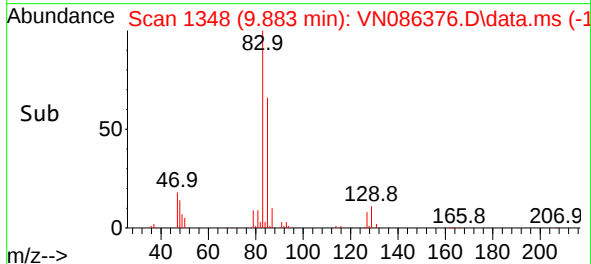
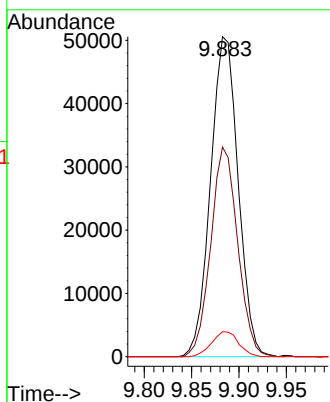
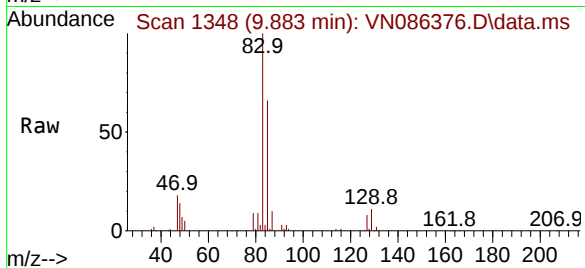




#41  
Bromodichloromethane  
Concen: 75.389 ug/l  
RT: 9.883 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

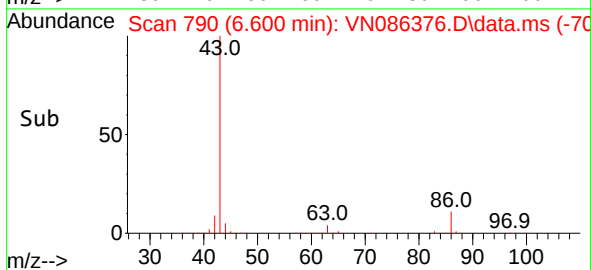
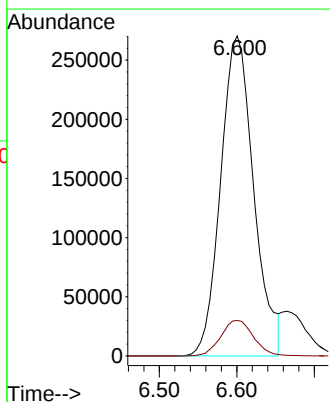
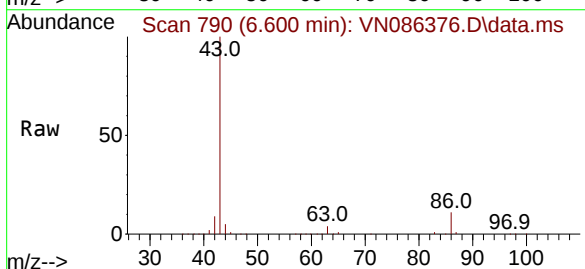
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MSVOA\_N  
ClientSampleId :  
VSTDIC100

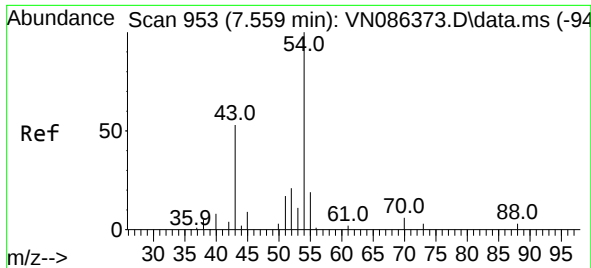
Tgt Ion: 83 Resp: 102621  
Ion Ratio Lower Upper  
83 100  
85 65.5 51.1 76.7  
127 7.8 5.9 8.9



#42  
Vinyl Acetate  
Concen: 391.011 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 43 Resp: 804778  
Ion Ratio Lower Upper  
43 100  
86 11.0 8.9 13.3

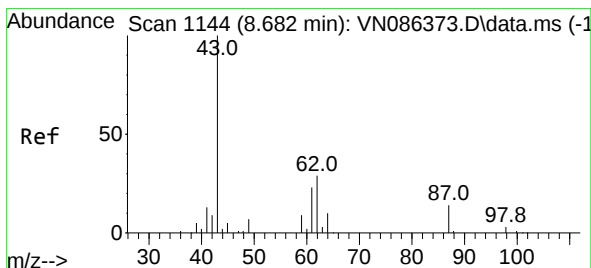
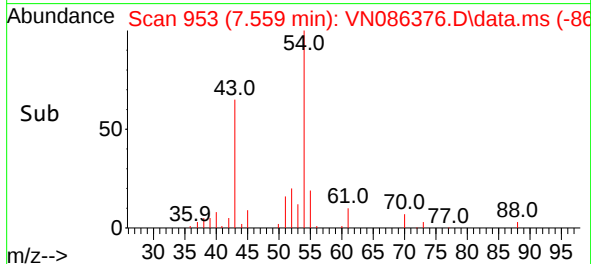
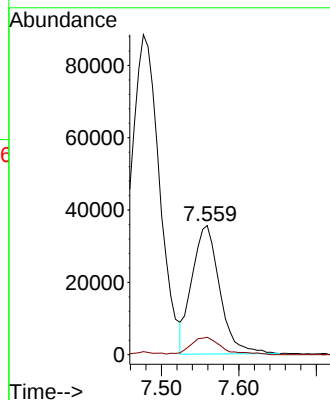
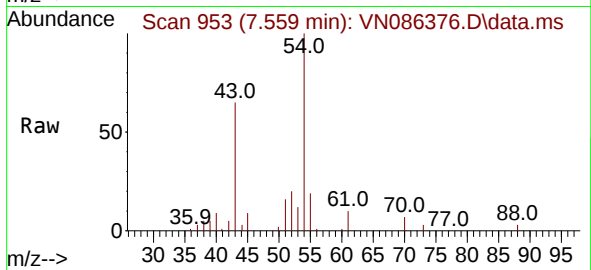




#43  
Ethyl Acetate  
Concen: 75.017 ug/l  
RT: 7.559 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

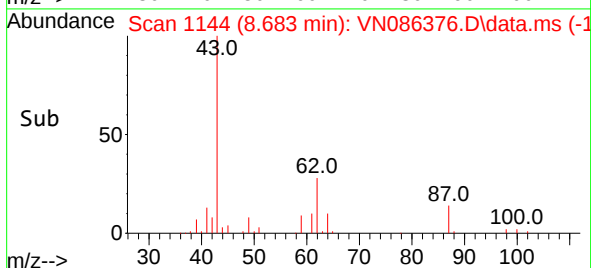
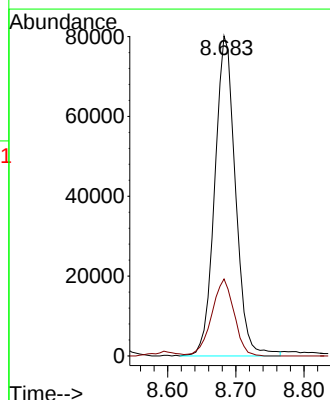
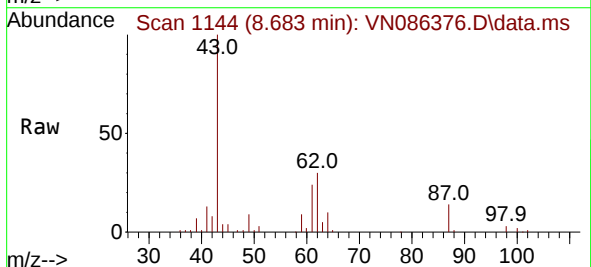
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

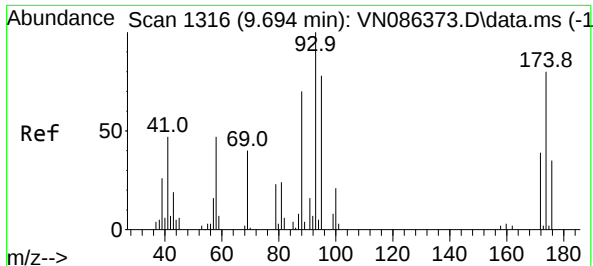
Tgt Ion: 43 Resp: 88205  
Ion Ratio Lower Upper  
43 100  
45 12.1 11.4 17.2



#44  
Isopropyl Acetate  
Concen: 75.991 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 43 Resp: 169581  
Ion Ratio Lower Upper  
43 100  
61 26.0 21.0 31.4

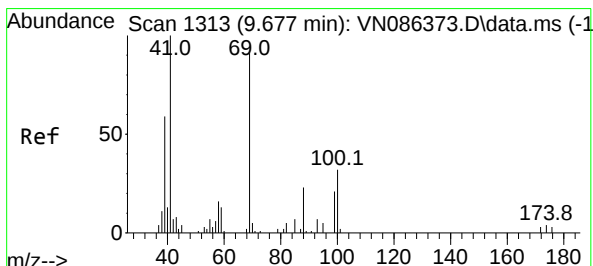
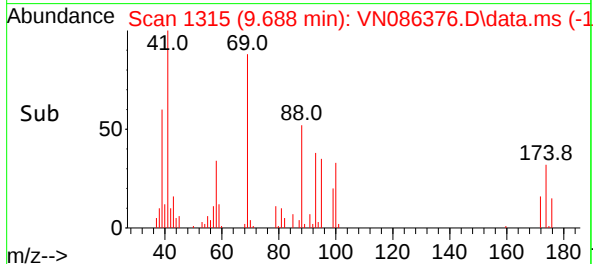
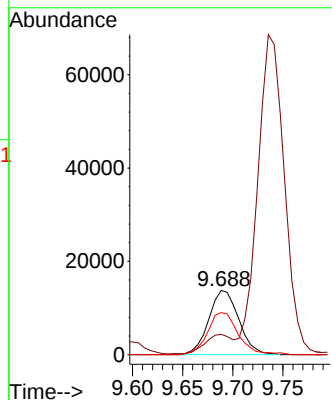
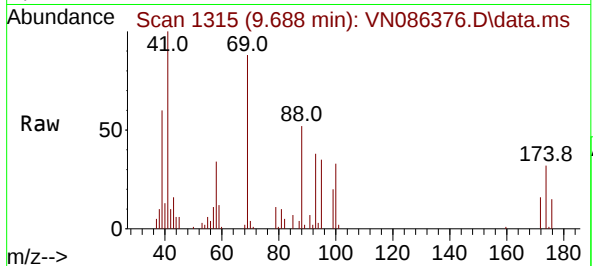




#45  
1,4-Dioxane  
Concen: 1651.615 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

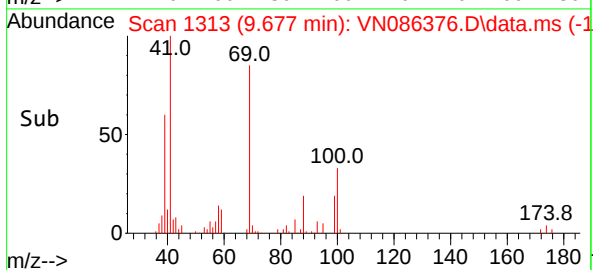
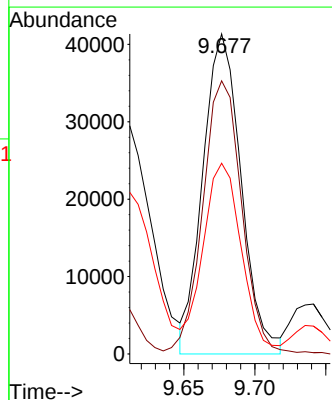
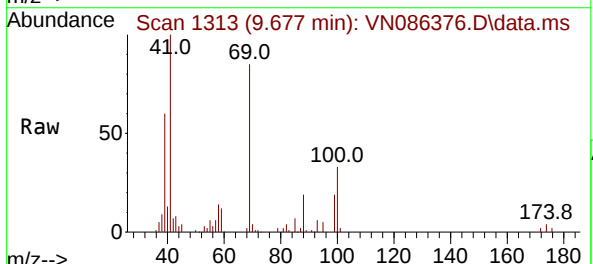
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

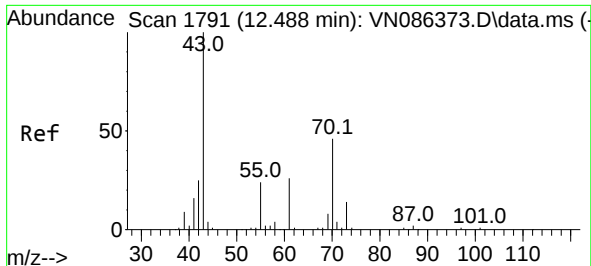
Tgt Ion: 88 Resp: 28757  
Ion Ratio Lower Upper  
88 100  
43 26.5 24.9 37.3  
58 67.0 57.8 86.8



#46  
Methyl methacrylate  
Concen: 75.291 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 41 Resp: 77502  
Ion Ratio Lower Upper  
41 100  
69 88.4 44.1 132.3  
39 60.0 30.0 90.1

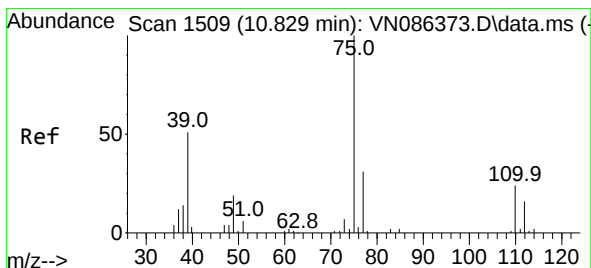
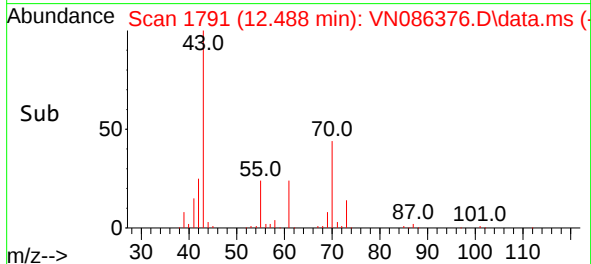
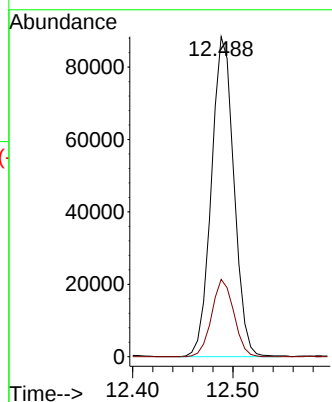
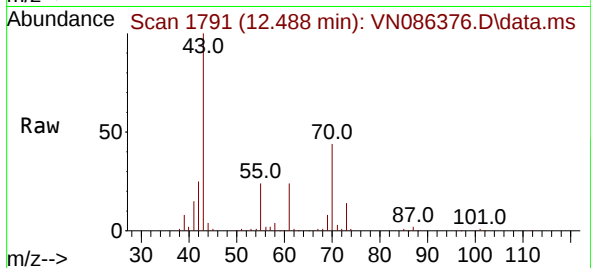




#47  
n-amyl acetate  
Concen: 72.657 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

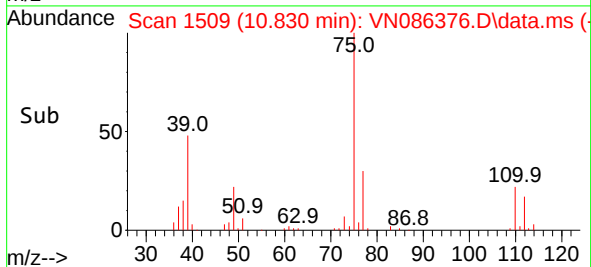
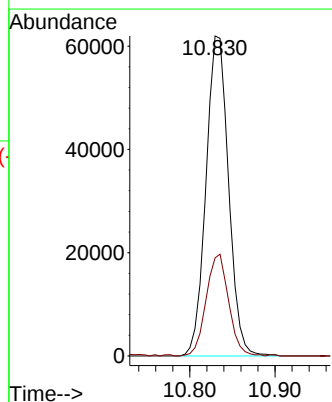
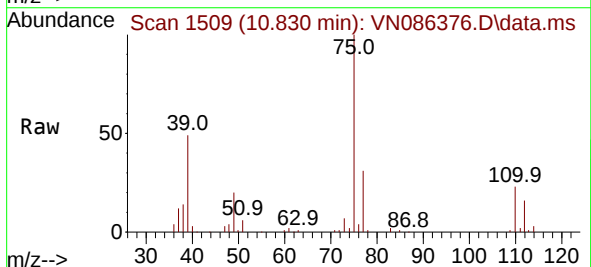
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

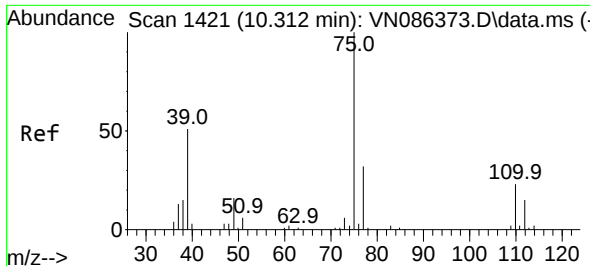
Tgt Ion: 43 Resp: 138197  
Ion Ratio Lower Upper  
43 100  
55 23.7 19.4 29.0



#48  
t-1,3-Dichloropropene  
Concen: 74.956 ug/l  
RT: 10.830 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 75 Resp: 114069  
Ion Ratio Lower Upper  
75 100  
77 30.7 24.4 36.6

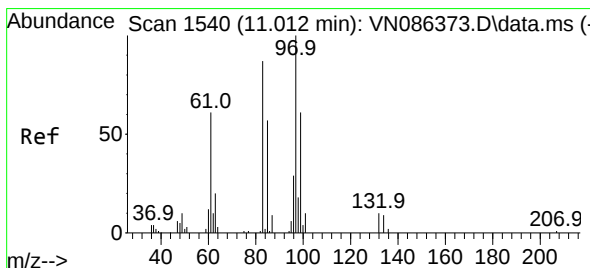
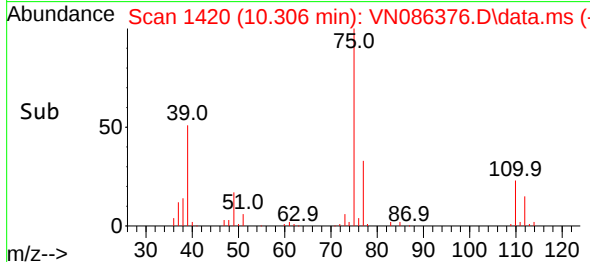
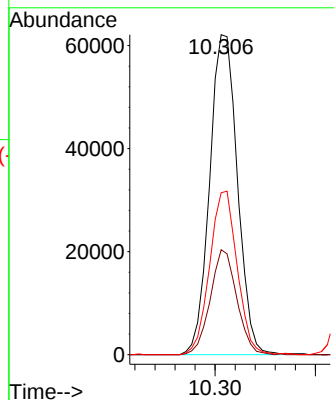
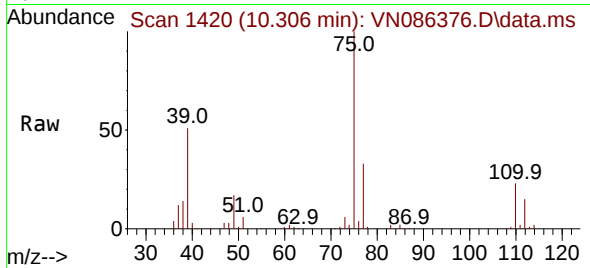




#49  
 cis-1,3-Dichloropropene  
 Concen: 74.536 ug/l  
 RT: 10.306 min Scan# 1420  
 Delta R.T. -0.006 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

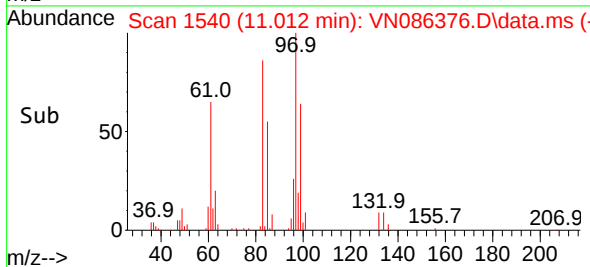
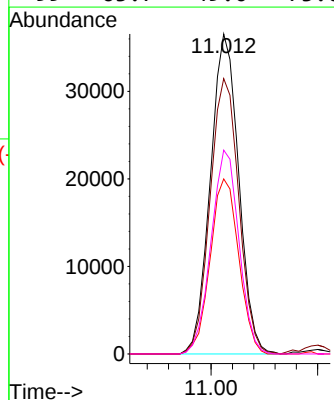
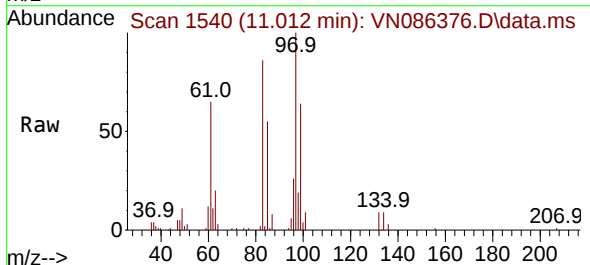
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

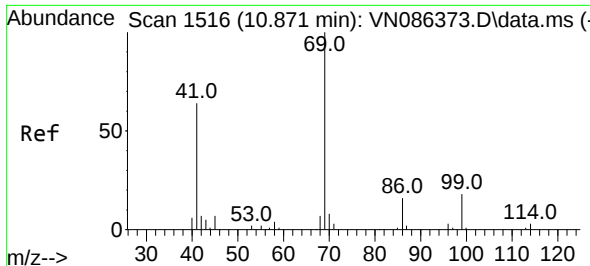
Tgt Ion: 75 Resp: 119618  
 Ion Ratio Lower Upper  
 75 100  
 77 32.8 25.6 38.4  
 39 50.6 40.6 60.8



#50  
 1,1,2-Trichloroethane  
 Concen: 75.031 ug/l  
 RT: 11.012 min Scan# 1540  
 Delta R.T. 0.000 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

Tgt Ion: 97 Resp: 67413  
 Ion Ratio Lower Upper  
 97 100  
 83 86.1 69.3 103.9  
 85 54.7 45.5 68.3  
 99 63.7 49.0 73.6

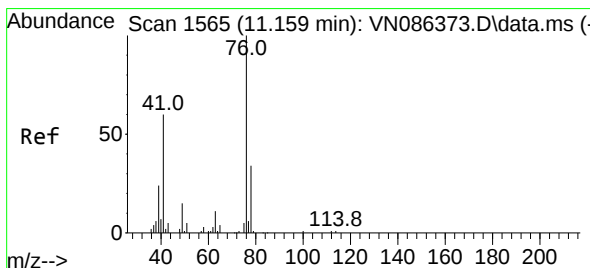
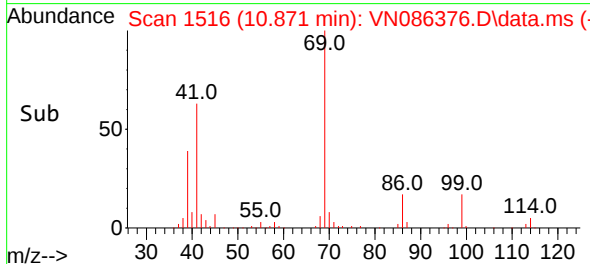
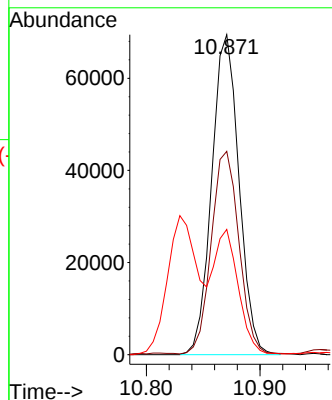
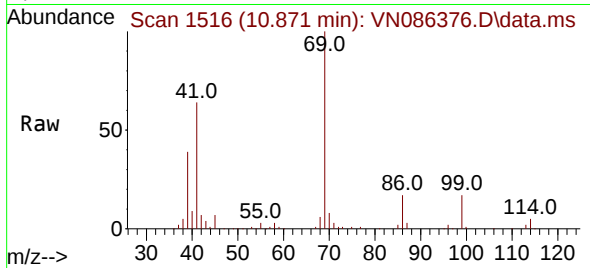




#51  
Ethyl methacrylate  
Concen: 73.970 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

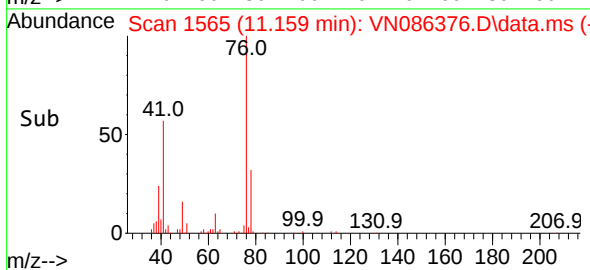
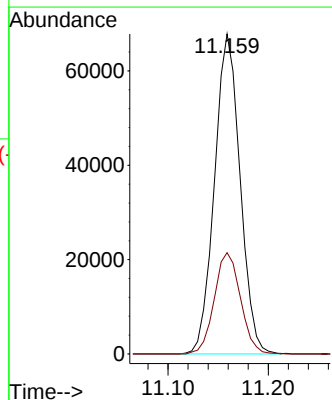
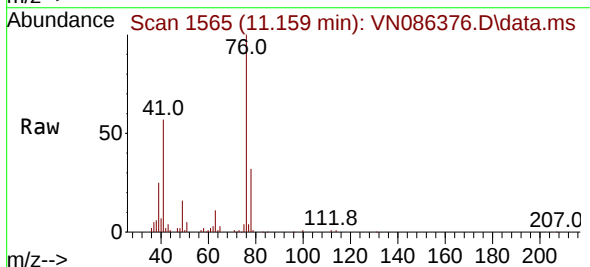
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

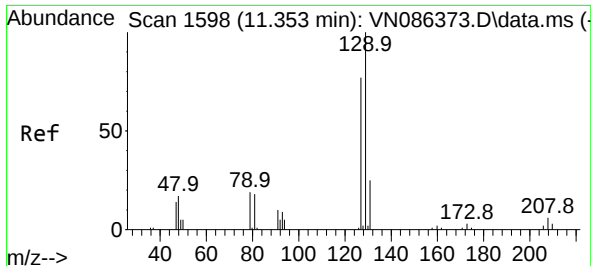
Tgt Ion: 69 Resp: 115746  
Ion Ratio Lower Upper  
69 100  
41 63.3 32.3 96.8  
39 38.8 19.1 57.1



#52  
1,3-Dichloropropane  
Concen: 75.700 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 76 Resp: 120207  
Ion Ratio Lower Upper  
76 100  
78 32.4 0.0 65.6

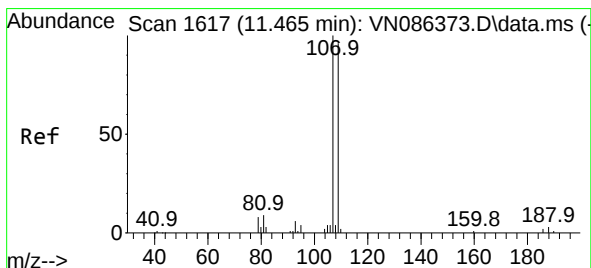
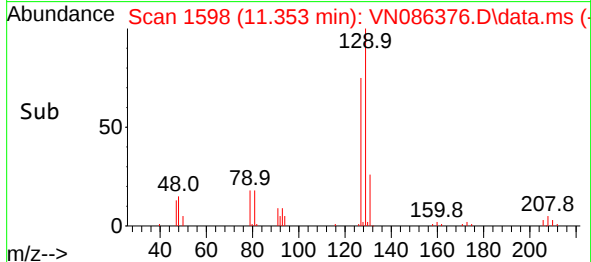
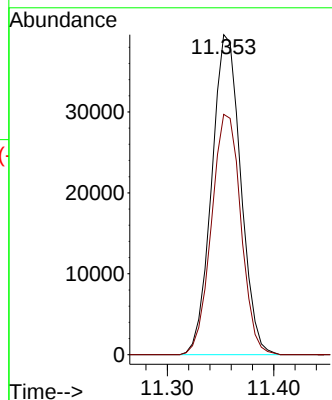
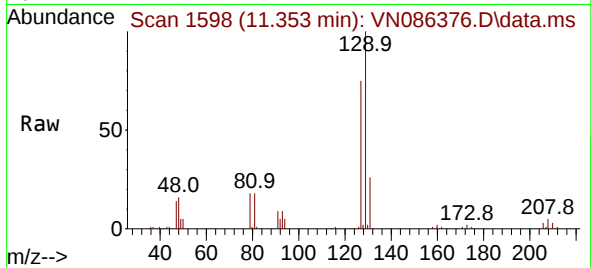




#53  
Dibromochloromethane  
Concen: 74.183 ug/l  
RT: 11.353 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

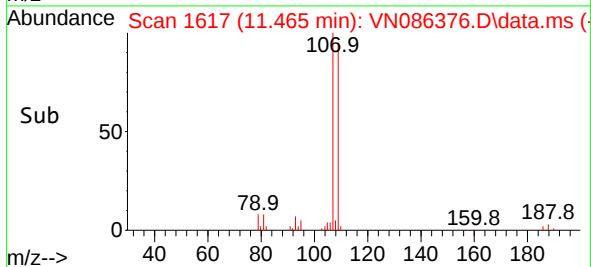
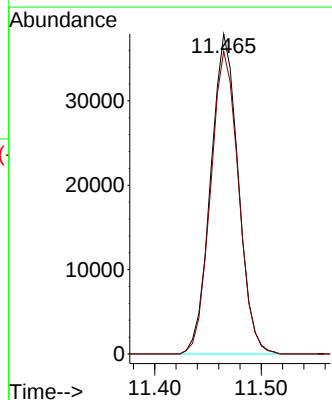
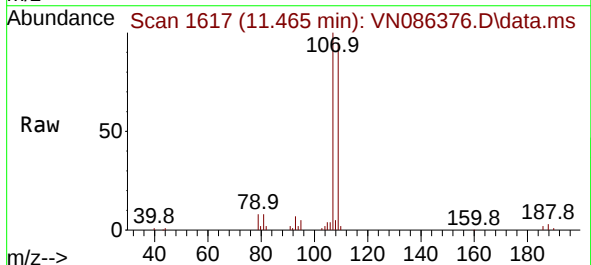
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

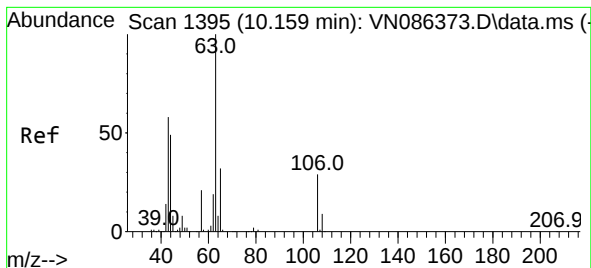
Tgt Ion:129 Resp: 74841  
Ion Ratio Lower Upper  
129 100  
127 76.0 38.8 116.3



#54  
1,2-Dibromoethane  
Concen: 74.396 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion:107 Resp: 67963  
Ion Ratio Lower Upper  
107 100  
109 95.8 75.4 113.0

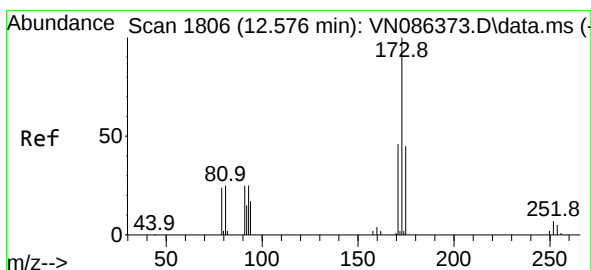
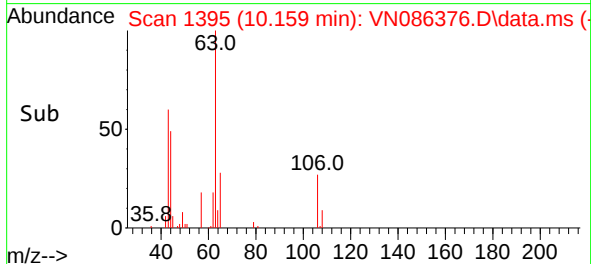
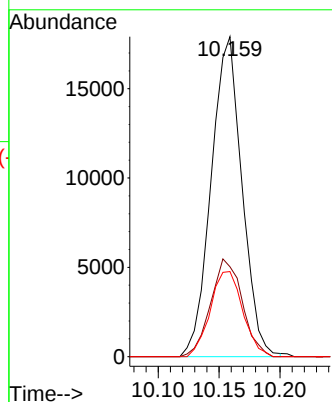
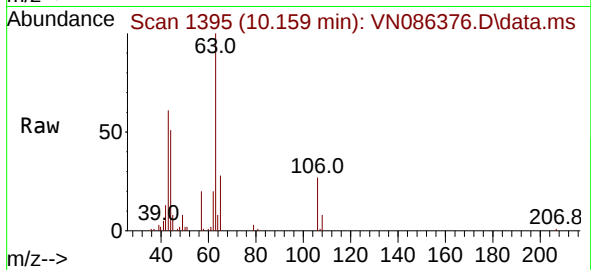




#55  
2-Chloroethyl vinyl ether  
Concen: 42.877 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

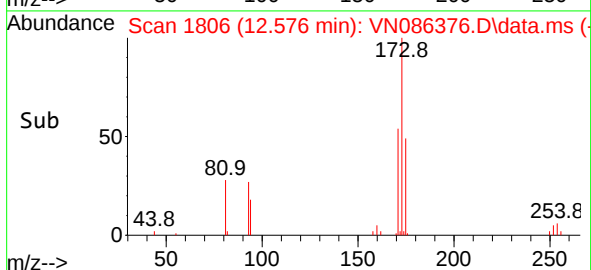
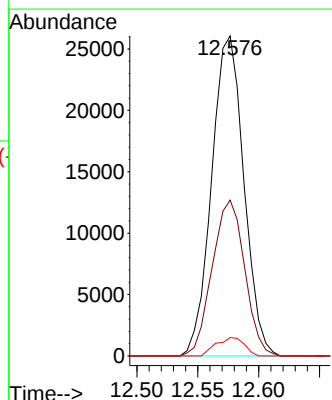
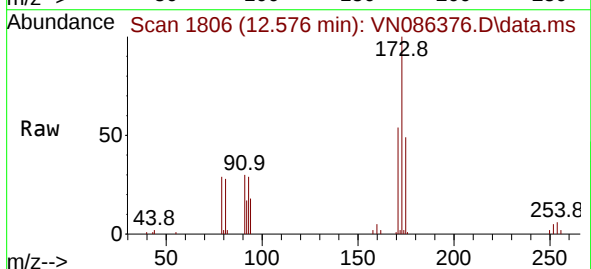
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

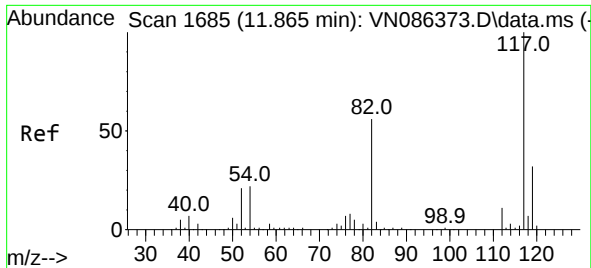
Tgt Ion: 63 Resp: 31544  
Ion Ratio Lower Upper  
63 100  
65 31.3 25.7 38.5  
106 28.0 22.3 33.5



#56  
Bromoform  
Concen: 73.279 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 173 Resp: 47975  
Ion Ratio Lower Upper  
173 100  
175 49.0 39.0 58.6  
254 5.1 3.8 5.6

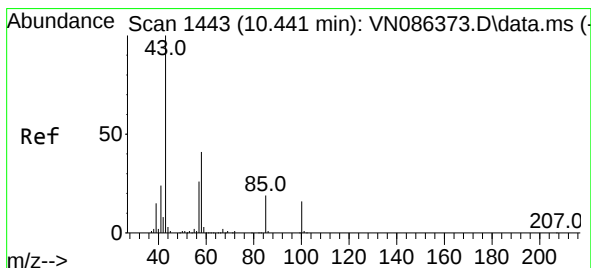
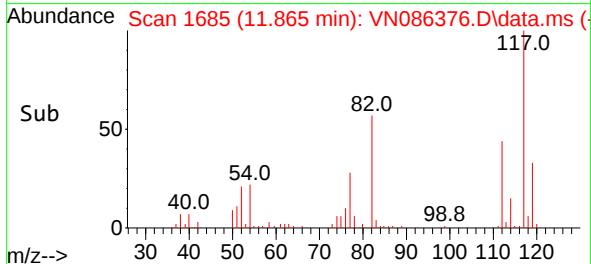
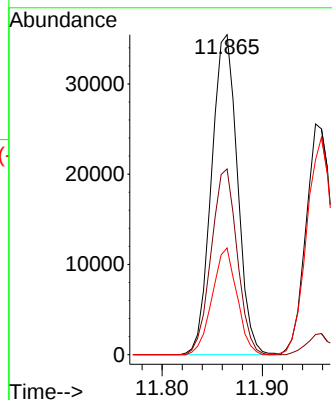
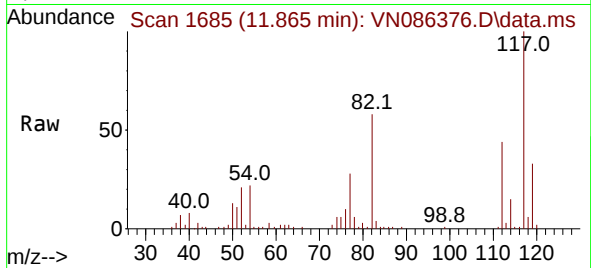




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

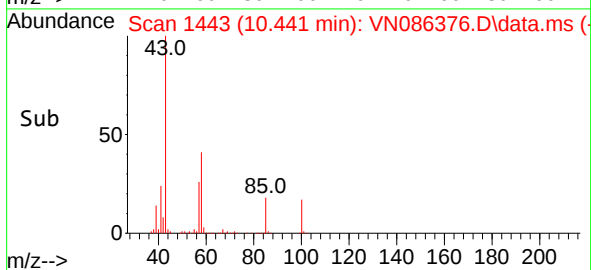
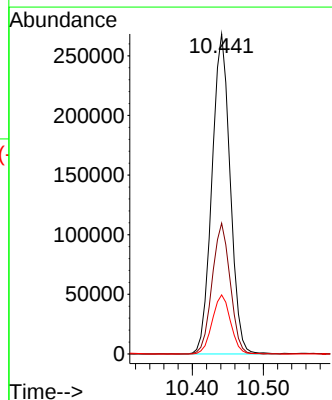
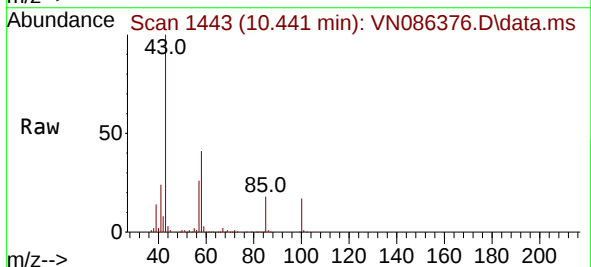
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

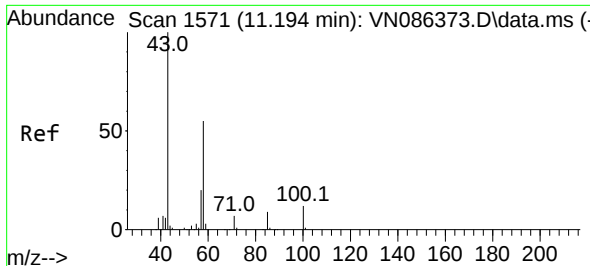
Tgt Ion:117 Resp: 63916  
Ion Ratio Lower Upper  
117 100  
82 58.0 45.5 68.3  
119 31.8 25.9 38.9



#58  
4-Methyl-2-Pentanone  
Concen: 385.744 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 43 Resp: 477113  
Ion Ratio Lower Upper  
43 100  
58 40.5 33.0 49.6  
85 18.5 14.9 22.3

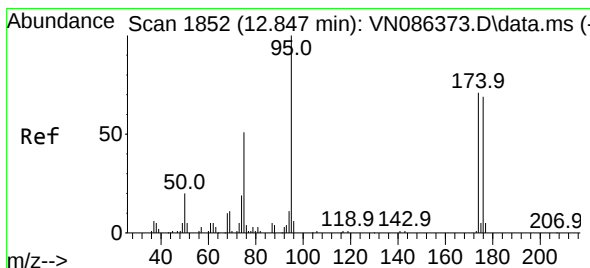
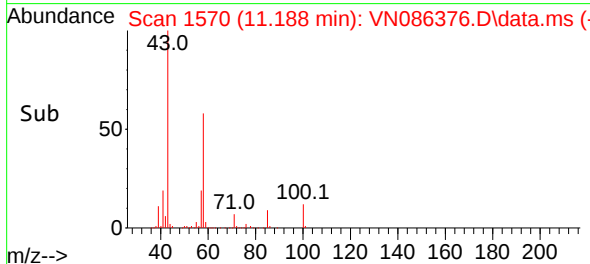
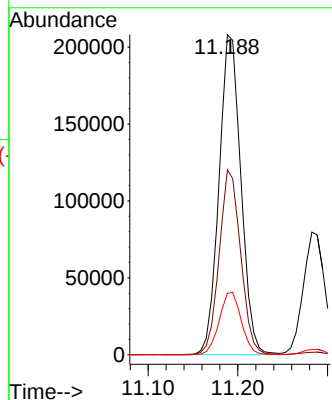
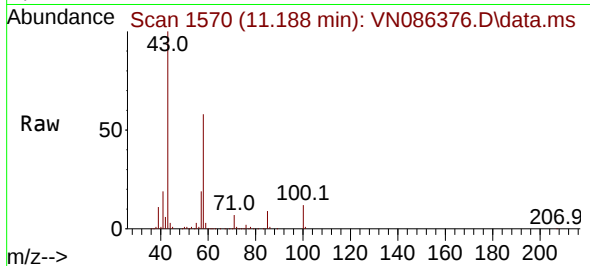




#59  
2-Hexanone  
Concen: 387.442 ug/l  
RT: 11.188 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

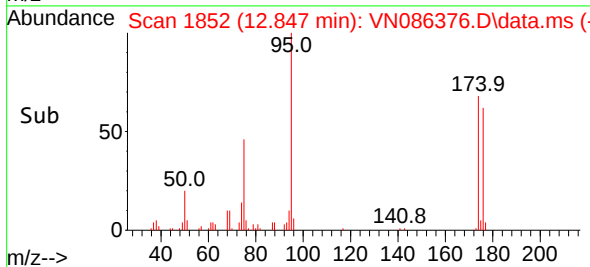
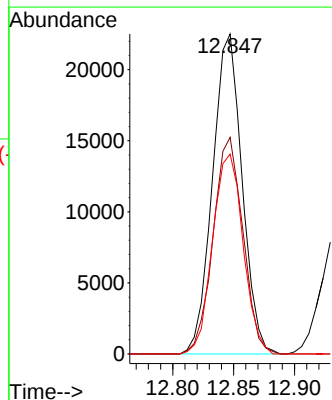
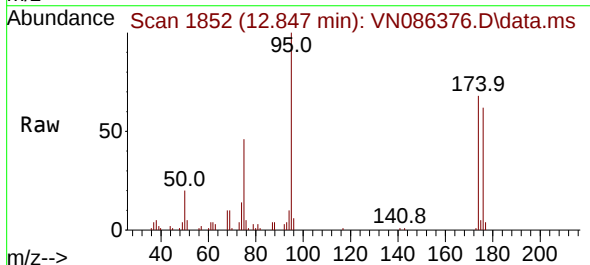
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MSVOA\_N  
ClientSampleId :  
VSTDIC100

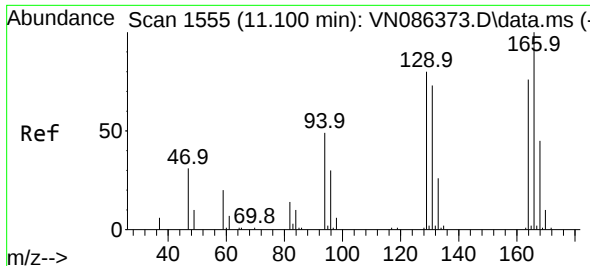
Tgt Ion: 43 Resp: 353145  
Ion Ratio Lower Upper  
43 100  
58 56.5 45.0 67.6  
57 19.6 15.5 23.3



#60  
4-Bromofluorobenzene  
Concen: 30.203 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 95 Resp: 37942  
Ion Ratio Lower Upper  
95 100  
174 68.1 56.6 84.8  
176 64.6 53.3 79.9

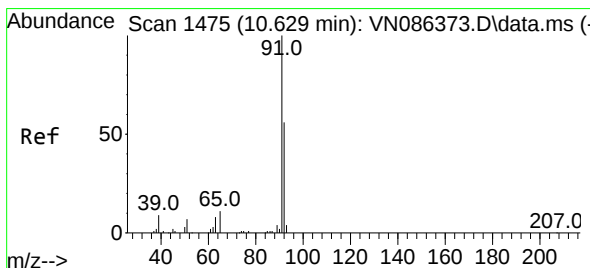
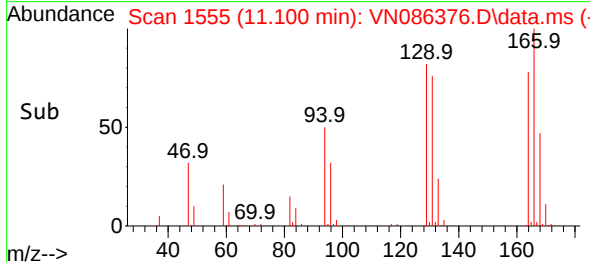
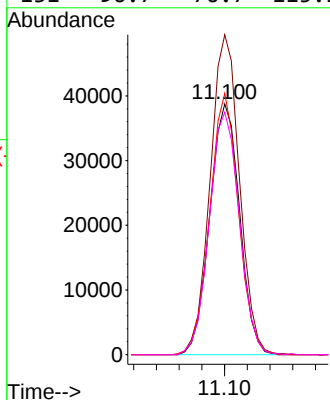
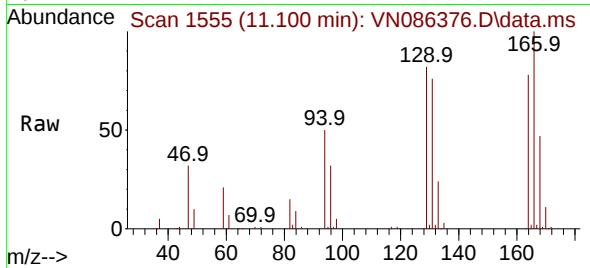




#61  
Tetrachloroethene  
Concen: 72.481 ug/l  
RT: 11.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

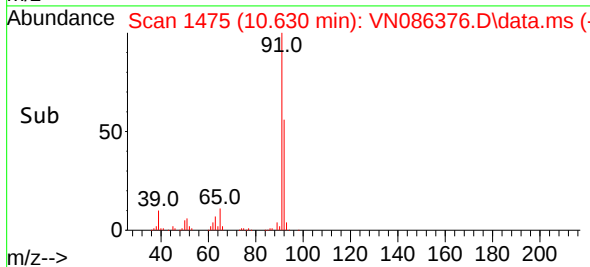
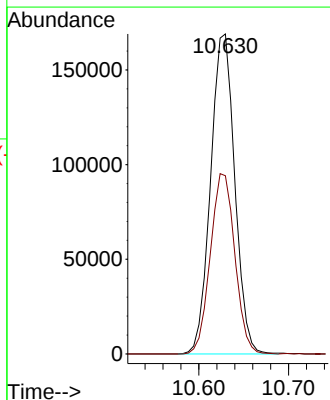
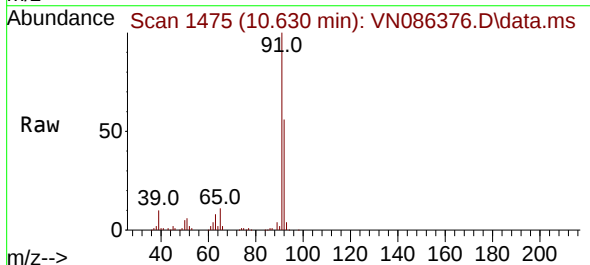
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MSVOA\_N  
ClientSampleId :  
VSTDIC100

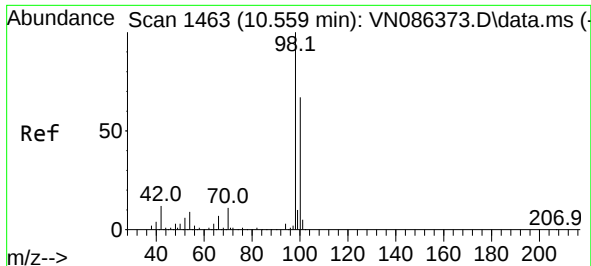
Tgt Ion:164 Resp: 70658  
Ion Ratio Lower Upper  
164 100  
166 127.6 105.0 157.4  
129 104.2 83.9 125.9  
131 96.7 76.7 115.1



#62  
Toluene  
Concen: 73.892 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 91 Resp: 316128  
Ion Ratio Lower Upper  
91 100  
92 57.1 45.7 68.5

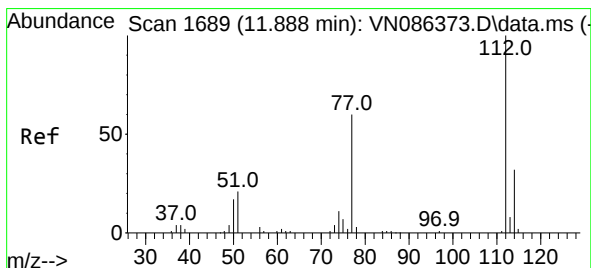
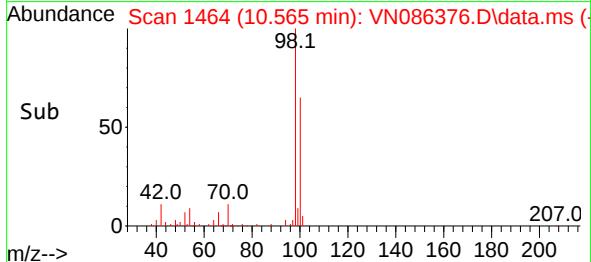
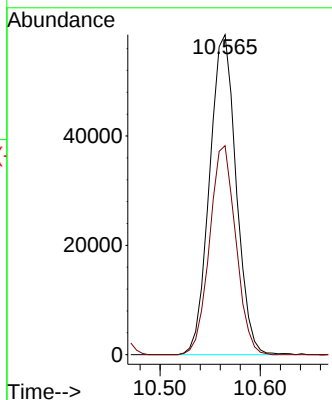
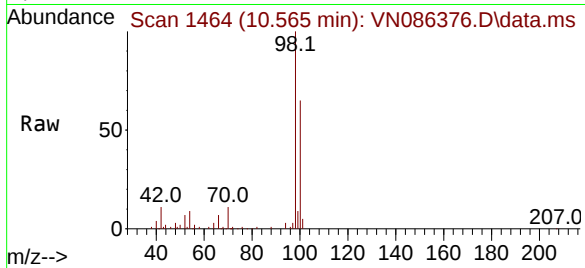




#63  
Toluene-d8  
Concen: 30.724 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

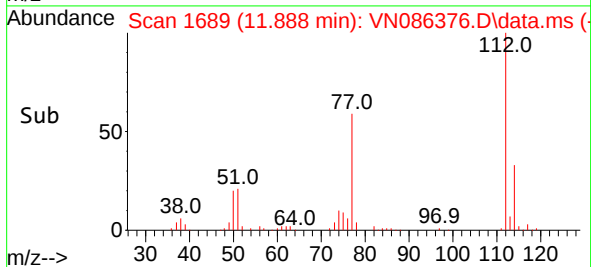
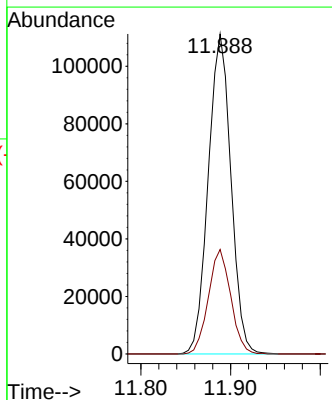
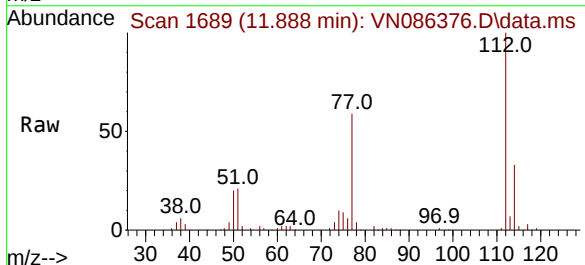
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

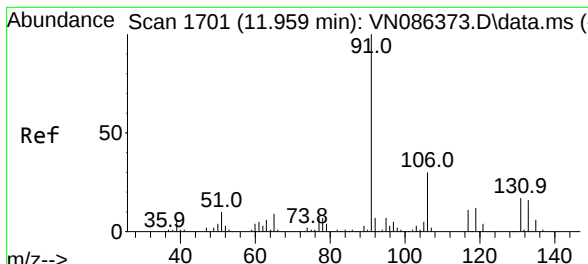
Tgt Ion: 98 Resp: 108036  
Ion Ratio Lower Upper  
98 100  
100 64.4 53.1 79.7



#64  
Chlorobenzene  
Concen: 73.205 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 112 Resp: 195149  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.6 38.4

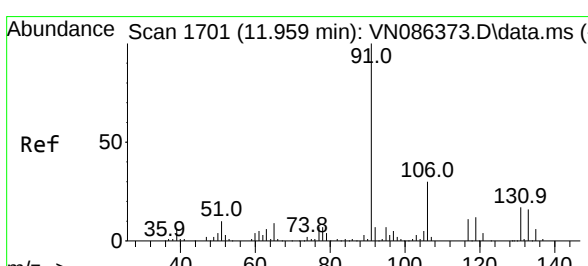
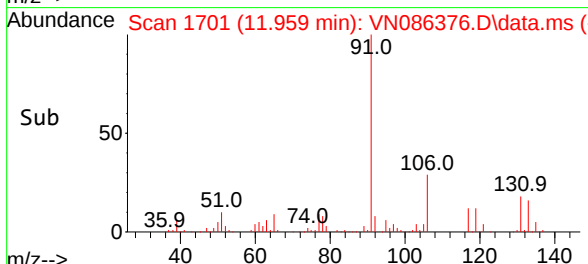
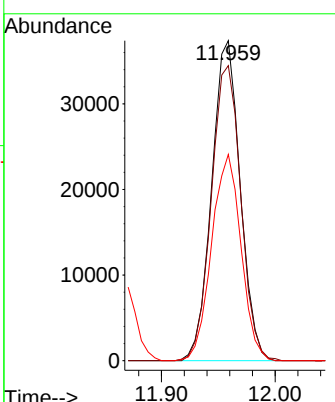
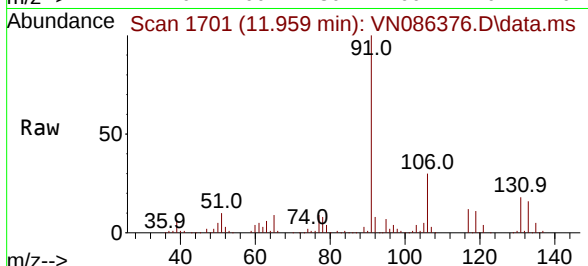




#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 73.155 ug/l  
 RT: 11.959 min Scan# 1701  
 Delta R.T. 0.000 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

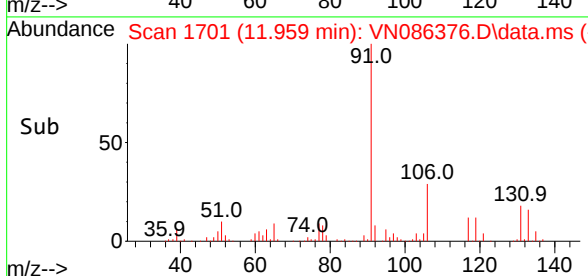
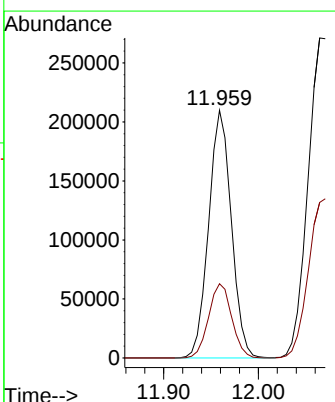
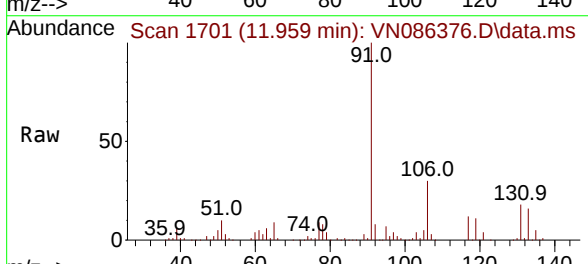
Instrument : MSVOA\_N  
 ClientSampleId : VSTDIC100

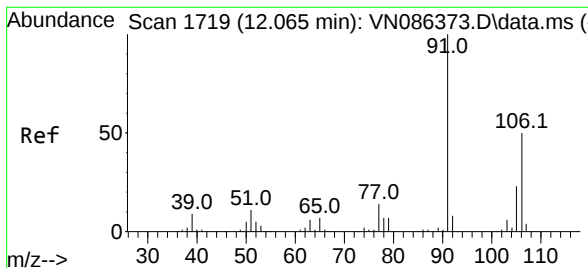
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 131   | Resp: | 65207 |
| Ion Ratio | Lower | Upper |       |
| 131       | 100   |       |       |
| 133       | 95.2  | 0.0   | 191.4 |
| 119       | 66.3  | 0.0   | 133.6 |



#66  
 Ethyl Benzene  
 Concen: 72.670 ug/l  
 RT: 11.959 min Scan# 1701  
 Delta R.T. 0.000 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 349954 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.0  | 24.3  | 36.5   |

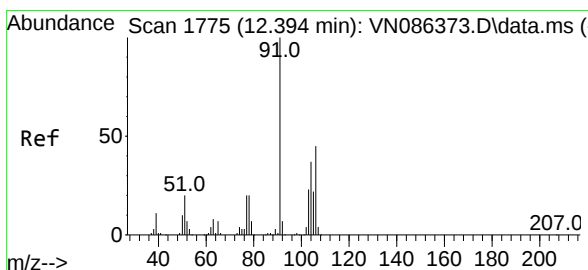
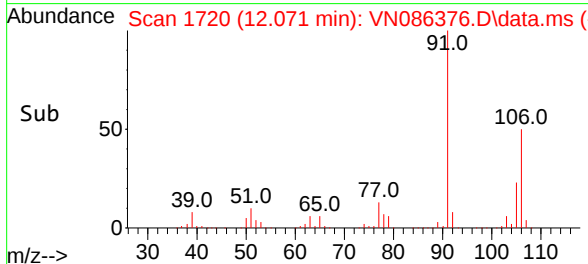
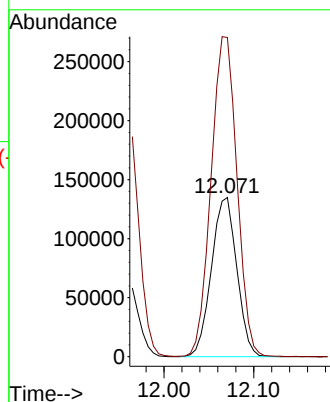
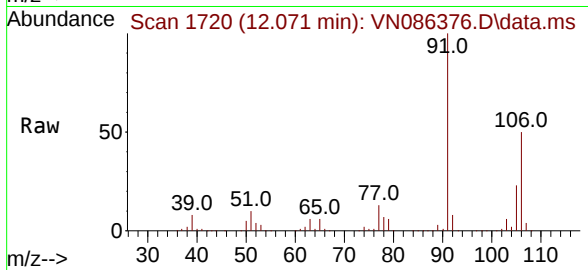




#67  
m/p-Xylenes  
Concen: 145.012 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

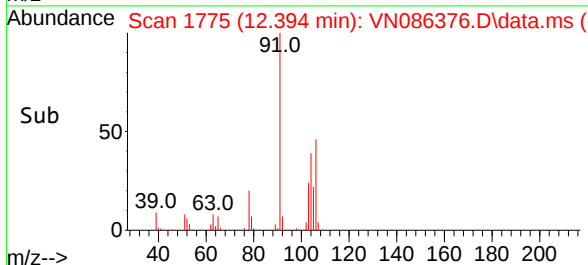
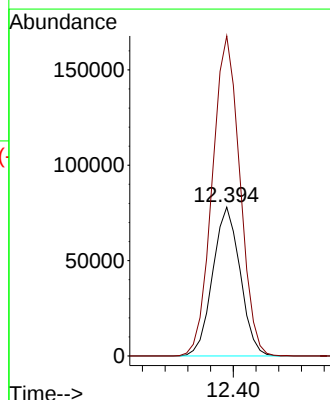
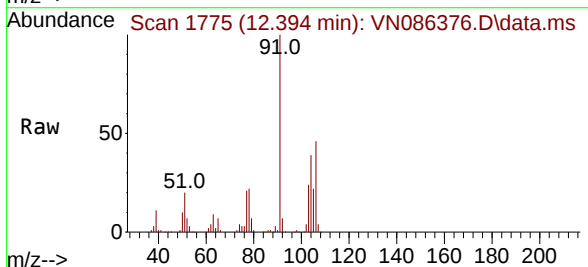
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

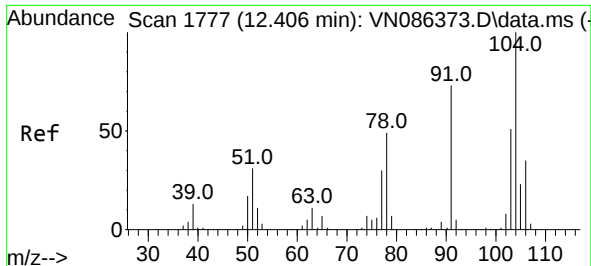
Tgt Ion:106 Resp: 264965  
Ion Ratio Lower Upper  
106 100  
91 205.4 162.6 243.8



#68  
o-Xylene  
Concen: 73.116 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion:106 Resp: 130809  
Ion Ratio Lower Upper  
106 100  
91 216.6 110.6 331.6

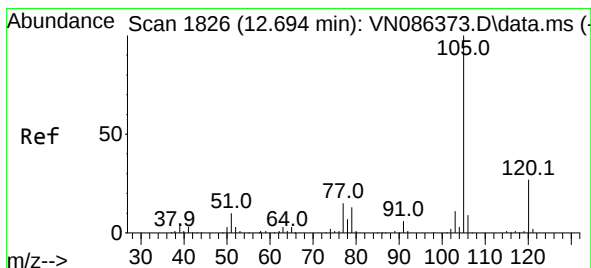
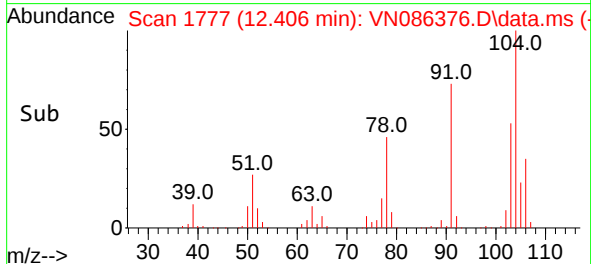
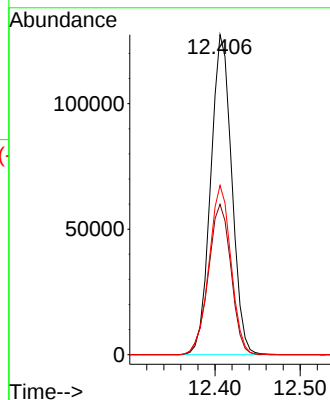
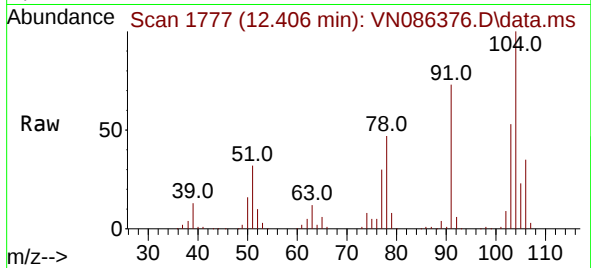




#69  
Styrene  
Concen: 72.205 ug/l  
RT: 12.406 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

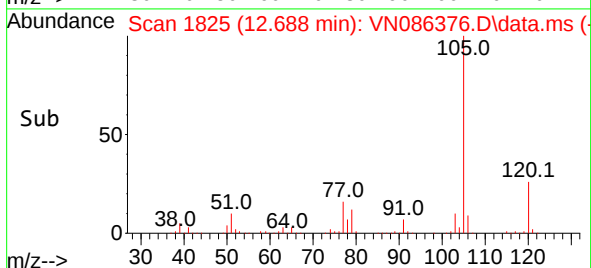
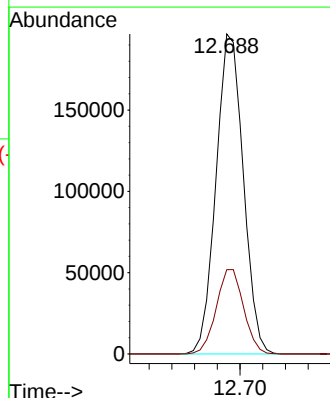
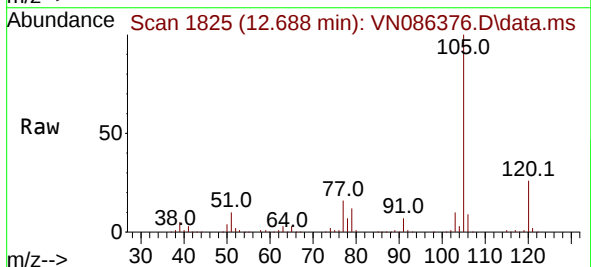
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

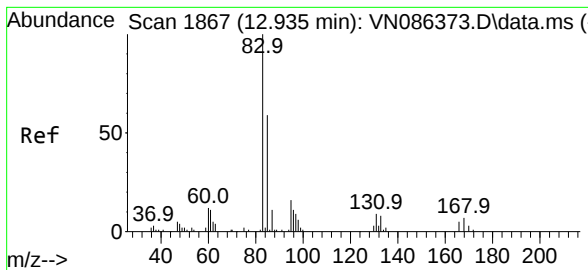
Tgt Ion:104 Resp: 218955  
Ion Ratio Lower Upper  
104 100  
78 50.4 40.2 60.4  
103 55.3 43.8 65.8



#70  
Isopropylbenzene  
Concen: 73.450 ug/l  
RT: 12.688 min Scan# 1825  
Delta R.T. -0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion:105 Resp: 328024  
Ion Ratio Lower Upper  
105 100  
120 26.4 18.2 33.8

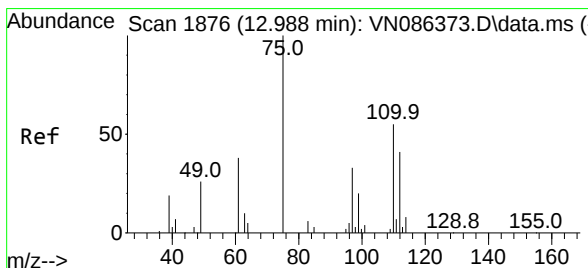
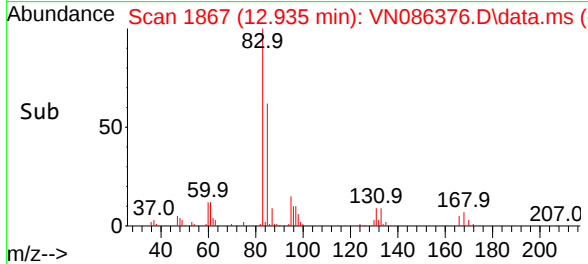
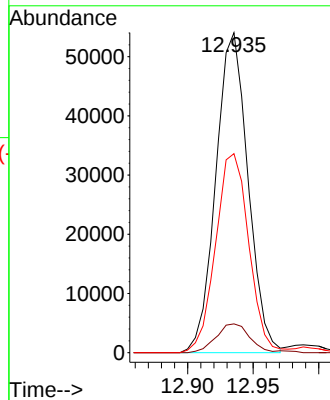
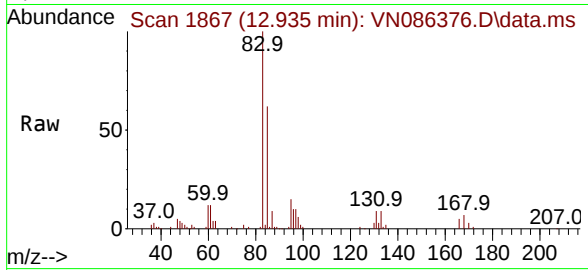




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 78.402 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. 0.000 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

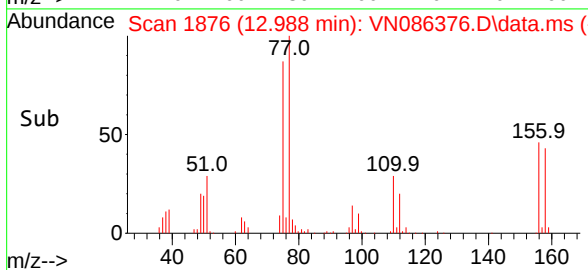
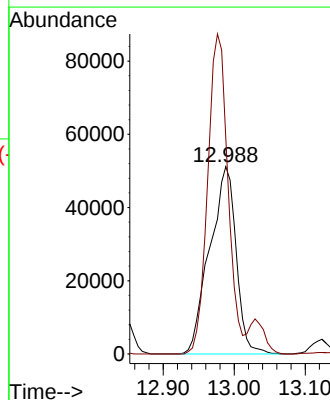
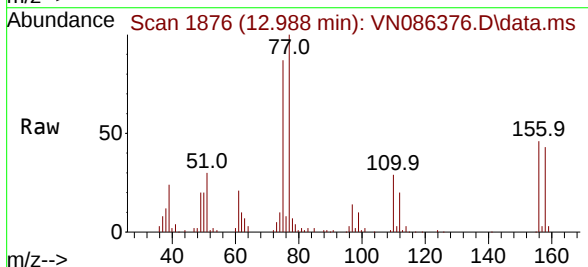
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

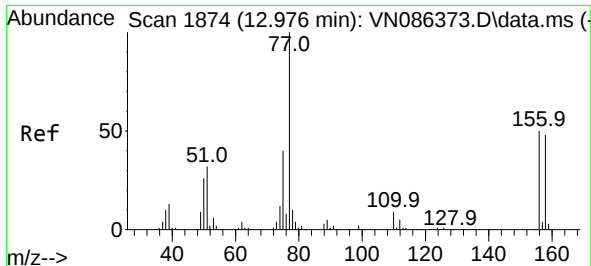
Tgt Ion: 83 Resp: 92193  
 Ion Ratio Lower Upper  
 83 100  
 131 9.4 4.5 13.7  
 85 64.2 31.7 95.1



#72  
 1,2,3-Trichloropropane  
 Concen: 129.651 ug/l  
 RT: 12.988 min Scan# 1876  
 Delta R.T. 0.000 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

Tgt Ion: 75 Resp: 132109  
 Ion Ratio Lower Upper  
 75 100  
 77 130.7 0.0 464.4

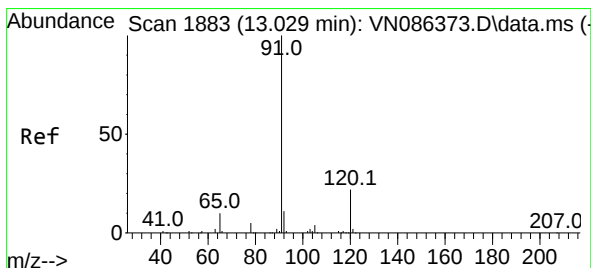
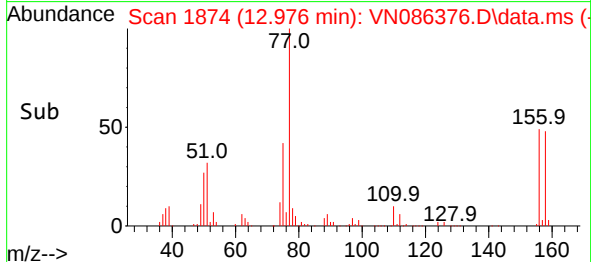
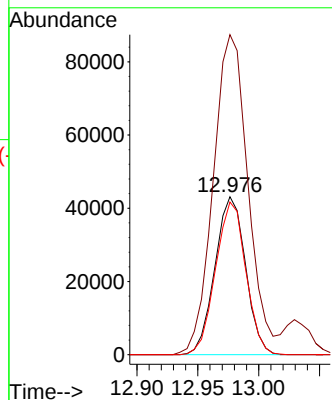
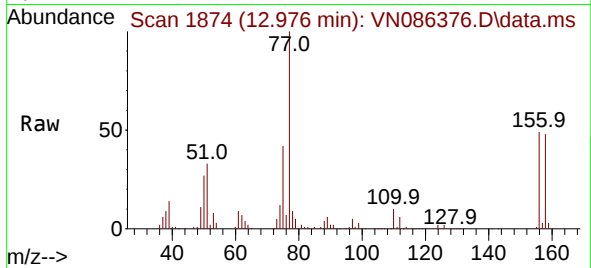




#73  
Bromobenzene  
Concen: 73.321 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

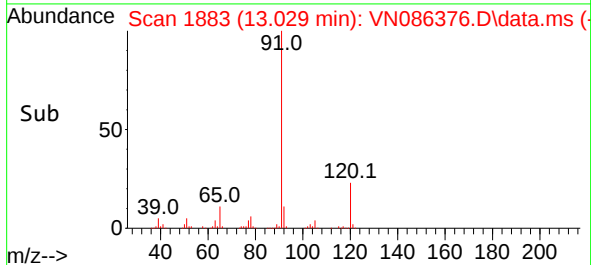
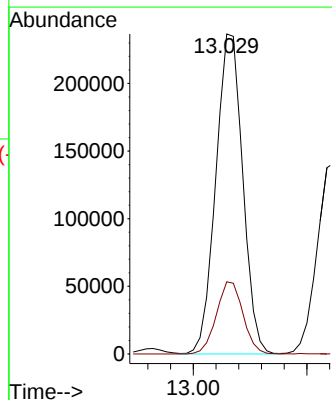
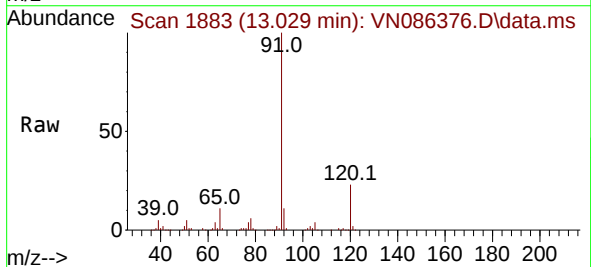
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

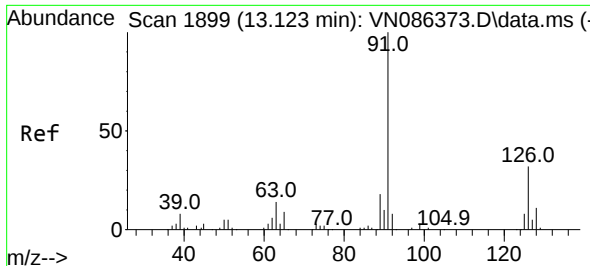
Tgt Ion:156 Resp: 75280  
Ion Ratio Lower Upper  
156 100  
77 229.4 0.0 463.4  
158 95.8 0.0 191.8



#74  
n-propylbenzene  
Concen: 73.528 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 91 Resp: 390207  
Ion Ratio Lower Upper  
91 100  
120 22.2 0.0 43.8

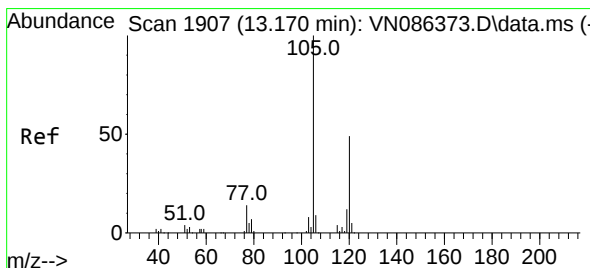
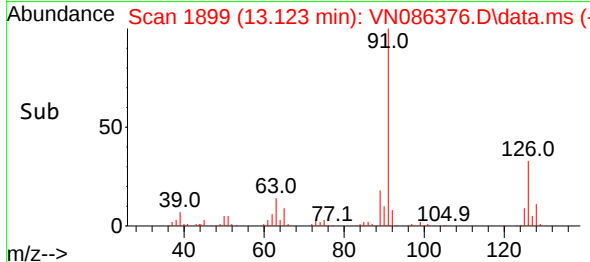
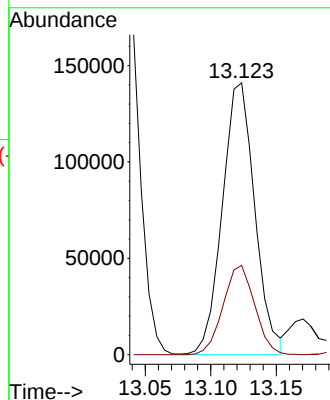
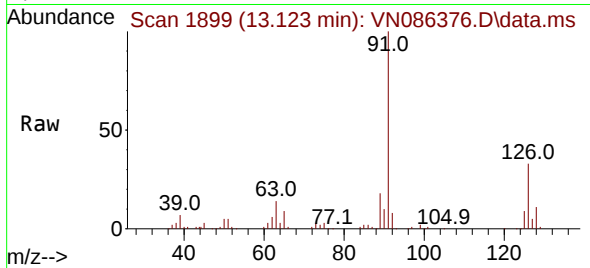




#75  
2-Chlorotoluene  
Concen: 73.342 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

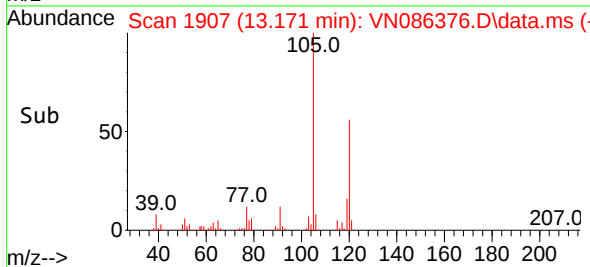
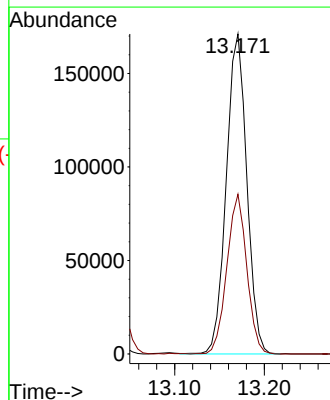
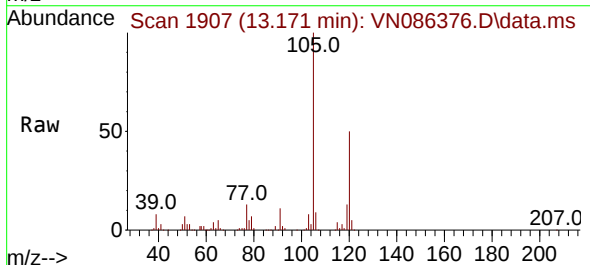
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

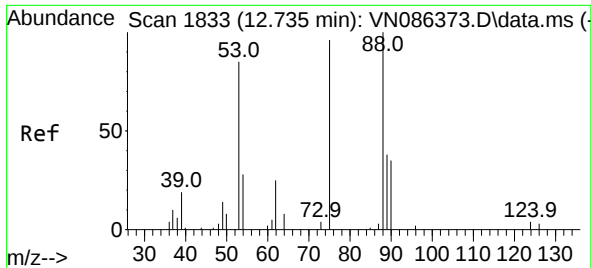
Tgt Ion: 91 Resp: 242971  
Ion Ratio Lower Upper  
91 100  
126 31.9 0.0 65.0



#76  
1,3,5-Trimethylbenzene  
Concen: 74.102 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 105 Resp: 271539  
Ion Ratio Lower Upper  
105 100  
120 48.4 0.0 97.6

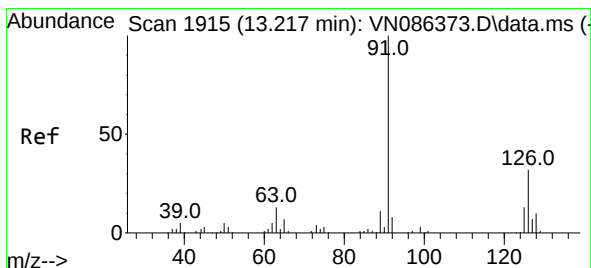
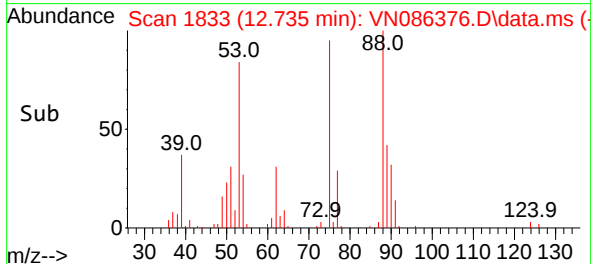
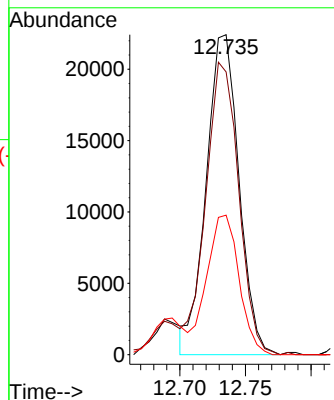
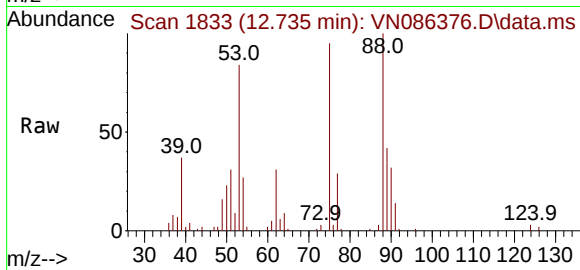




#77  
t-1,4-Dichloro-2-butene  
Concen: 75.044 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

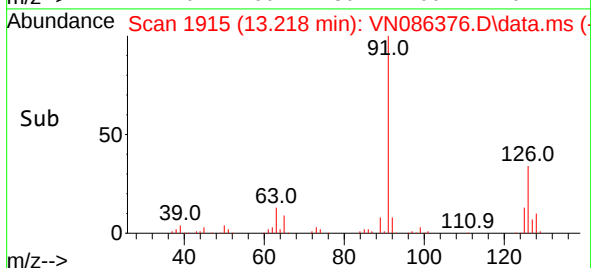
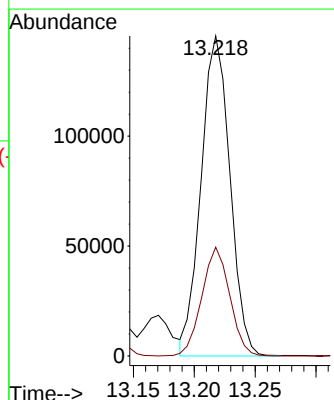
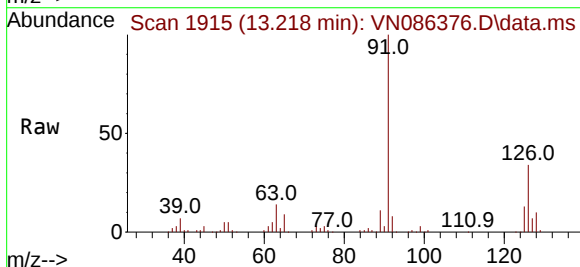
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

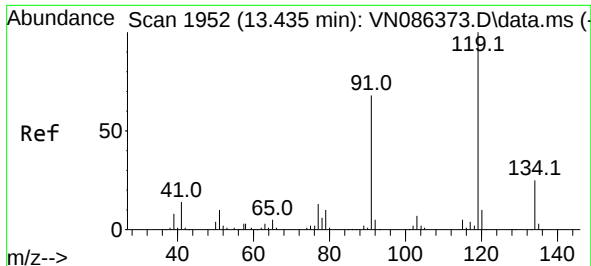
Tgt Ion: 75 Resp: 39045  
Ion Ratio Lower Upper  
75 100  
53 88.3 46.0 138.0  
89 43.6 21.6 64.6



#78  
4-Chlorotoluene  
Concen: 72.559 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 91 Resp: 240348  
Ion Ratio Lower Upper  
91 100  
126 32.8 0.0 65.4

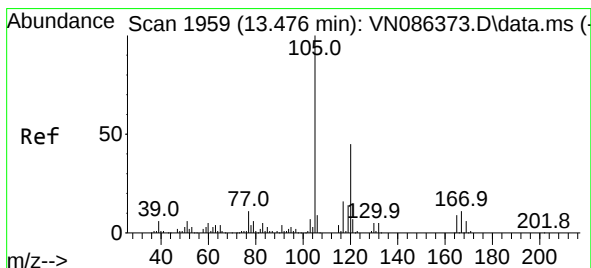
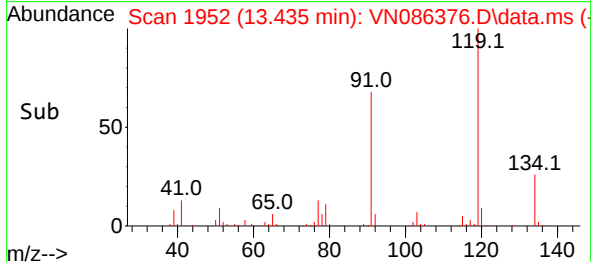
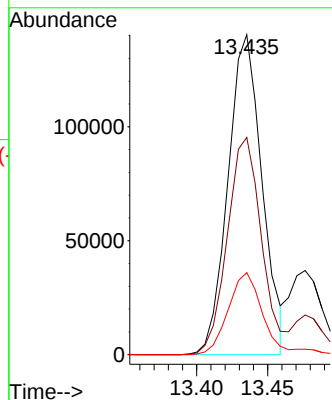
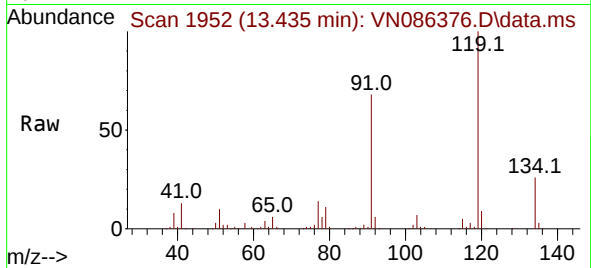




#79  
tert-butylbenzene  
Concen: 74.745 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

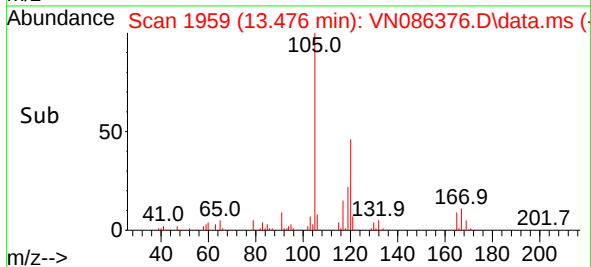
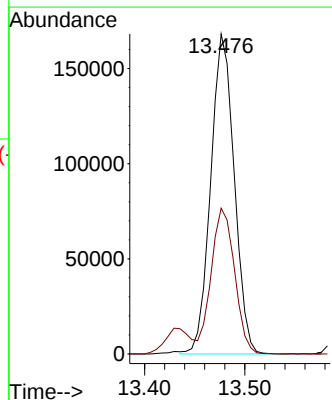
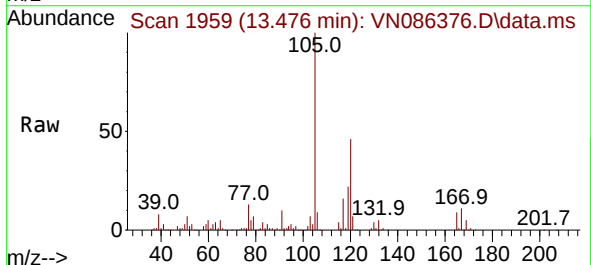
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

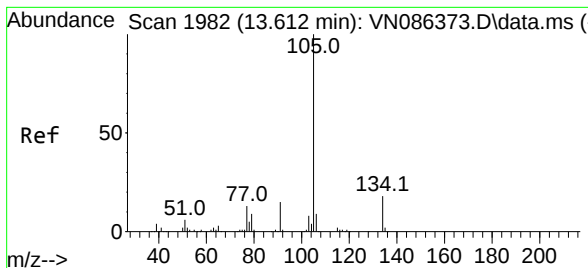
Tgt Ion:119 Resp: 234572  
Ion Ratio Lower Upper  
119 100  
91 68.9 0.0 137.4  
134 25.2 0.0 49.2



#80  
1,2,4-Trimethylbenzene  
Concen: 73.084 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion:105 Resp: 273505  
Ion Ratio Lower Upper  
105 100  
120 45.1 0.0 87.6

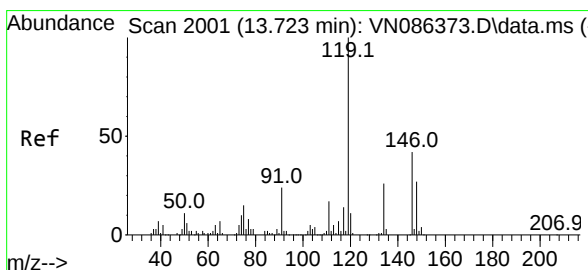
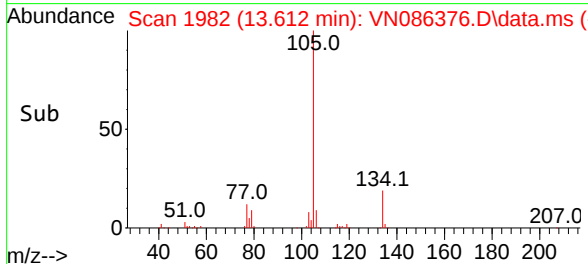
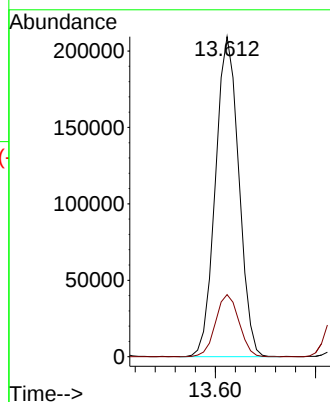
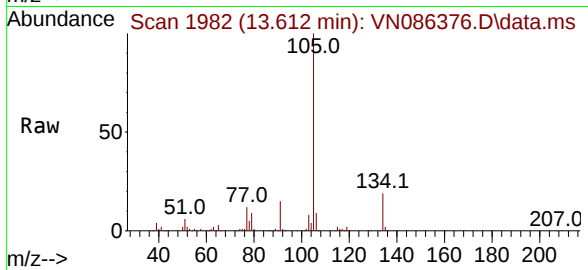




#81  
 sec-Butylbenzene  
 Concen: 75.735 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. 0.000 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

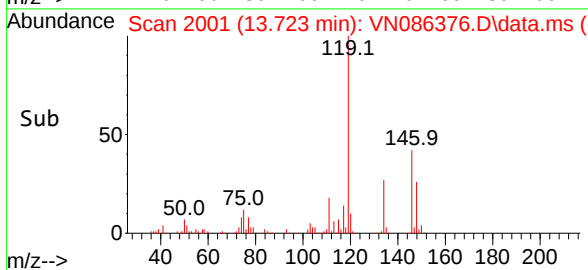
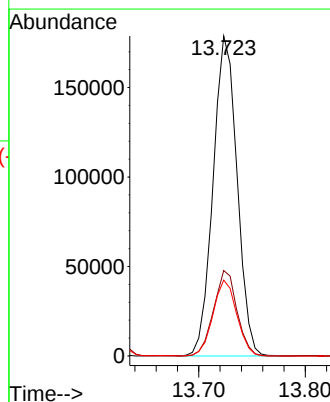
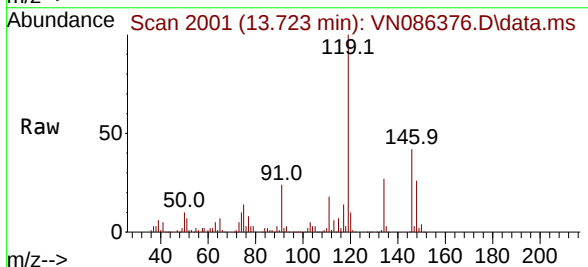
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

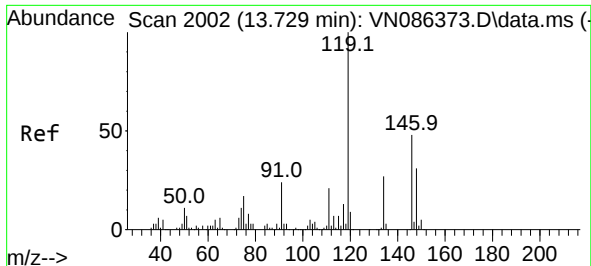
Tgt Ion:105 Resp: 339274  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 0.0 38.4



#82  
 p-Isopropyltoluene  
 Concen: 74.534 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN086376.D  
 Acq: 23 Apr 2025 10:57

Tgt Ion:119 Resp: 279394  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 0.0 52.2  
 91 23.5 0.0 47.6

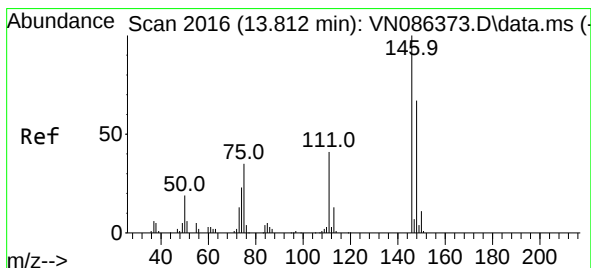
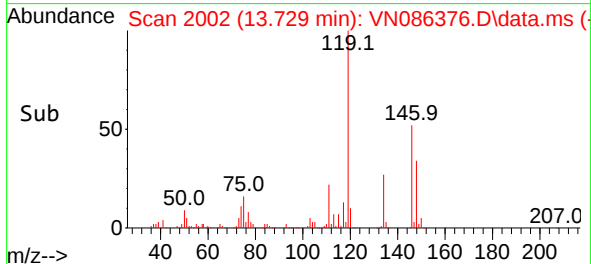
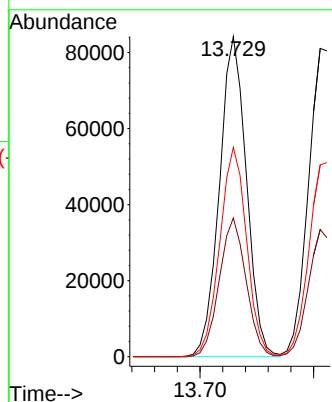
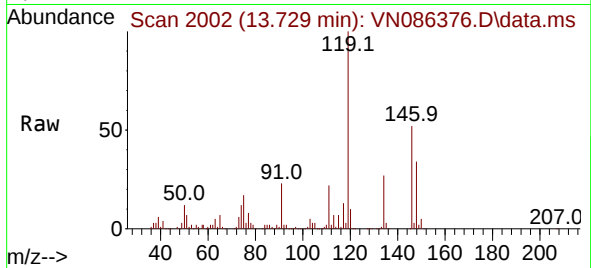




#83  
1,3-Dichlorobenzene  
Concen: 71.680 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

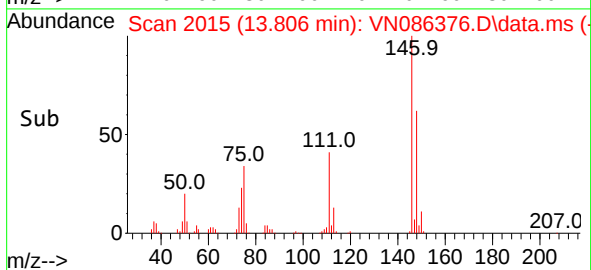
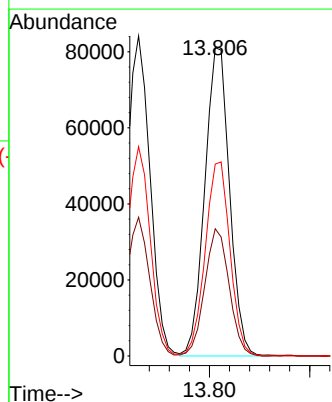
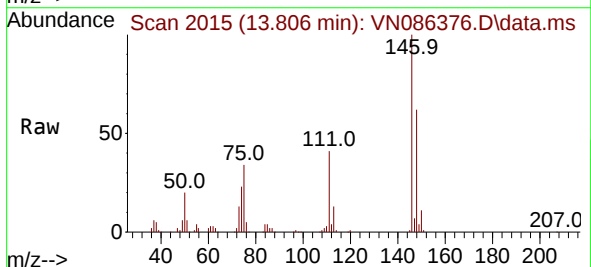
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

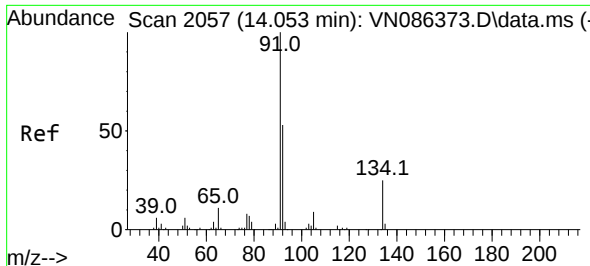
Tgt Ion:146 Resp: 139120  
Ion Ratio Lower Upper  
146 100  
111 42.9 20.7 62.1  
148 65.1 32.3 96.8



#84  
1,4-Dichlorobenzene  
Concen: 72.639 ug/l  
RT: 13.806 min Scan# 2015  
Delta R.T. -0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion:146 Resp: 139291  
Ion Ratio Lower Upper  
146 100  
111 40.7 20.3 60.8  
148 62.9 32.4 97.2

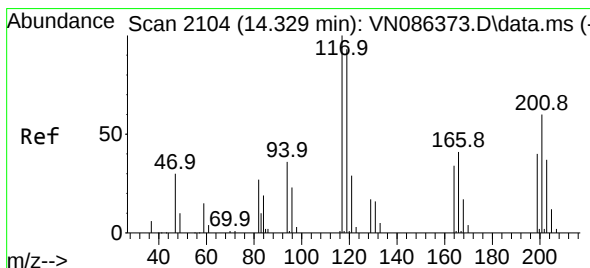
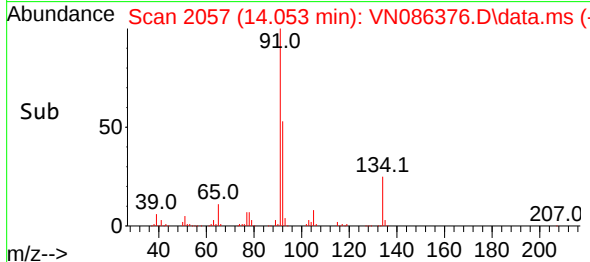
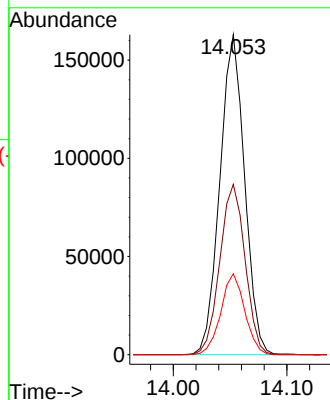
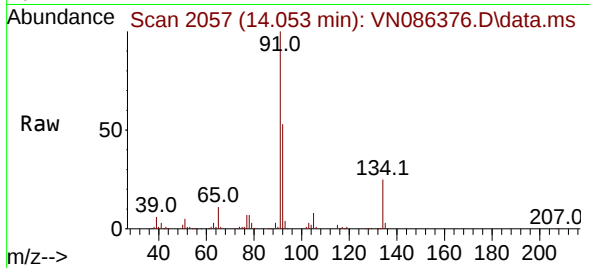




#85  
n-Butylbenzene  
Concen: 73.721 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

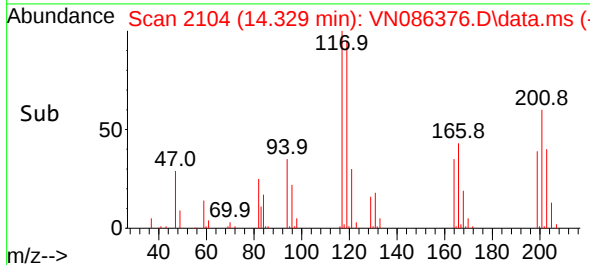
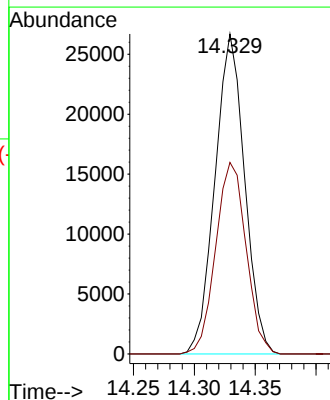
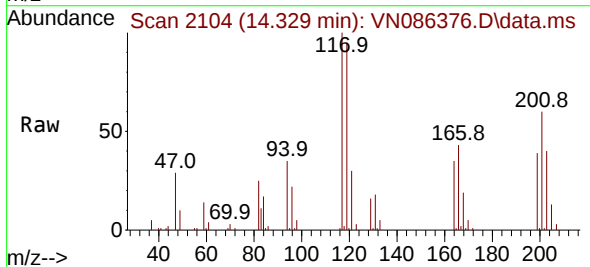
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

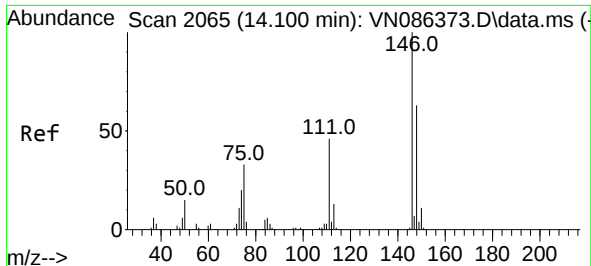
Tgt Ion: 91 Resp: 246584  
Ion Ratio Lower Upper  
91 100  
92 54.3 0.0 107.2  
134 24.5 0.0 48.2



#86  
Hexachloroethane  
Concen: 73.794 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion: 117 Resp: 45232  
Ion Ratio Lower Upper  
117 100  
201 61.3 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 73.143 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

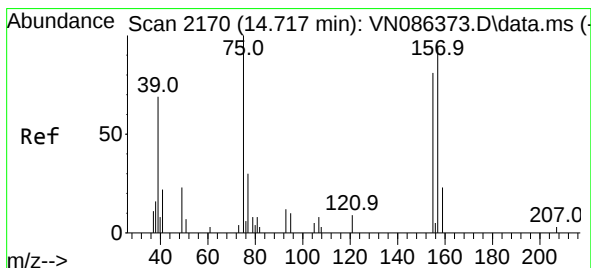
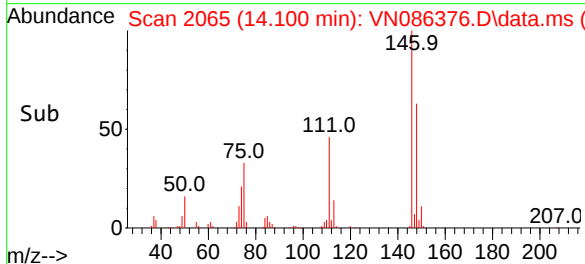
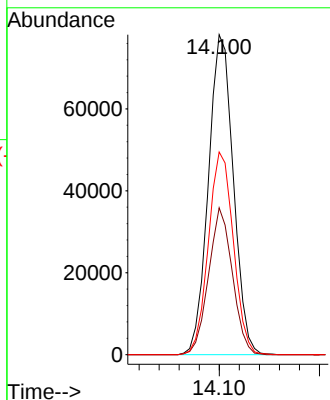
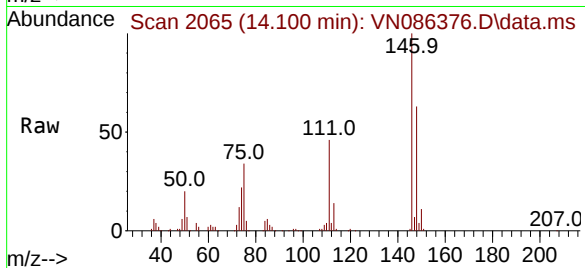
Tgt Ion:146 Resp: 135076

Ion Ratio Lower Upper

146 100

111 43.8 22.1 66.3

148 63.5 32.0 96.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 72.824 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN086376.D

Acq: 23 Apr 2025 10:57

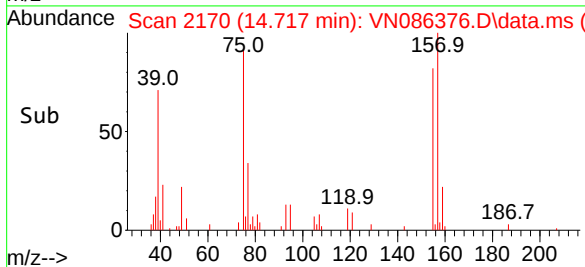
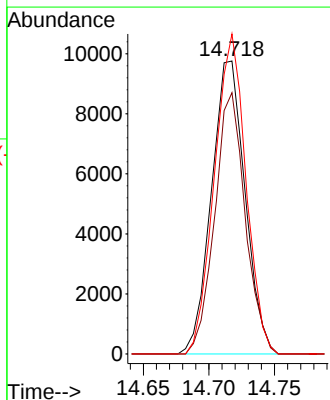
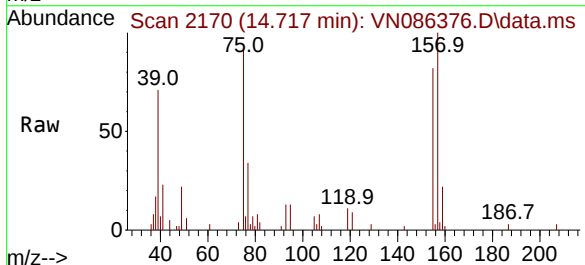
Tgt Ion: 75 Resp: 17406

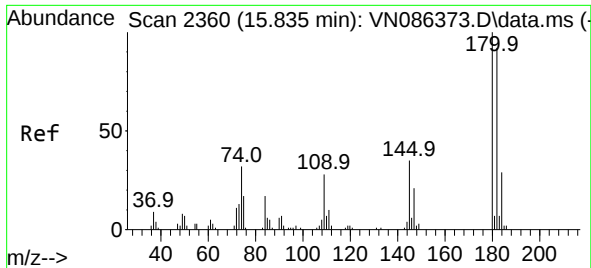
Ion Ratio Lower Upper

75 100

155 81.0 64.0 96.0

157 102.1 78.2 117.4

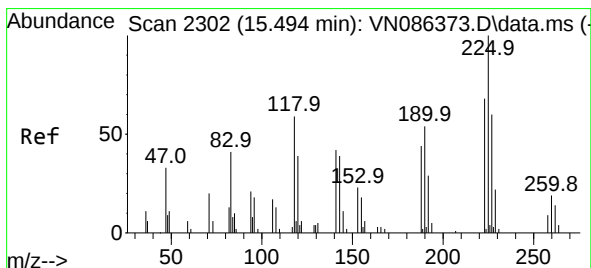
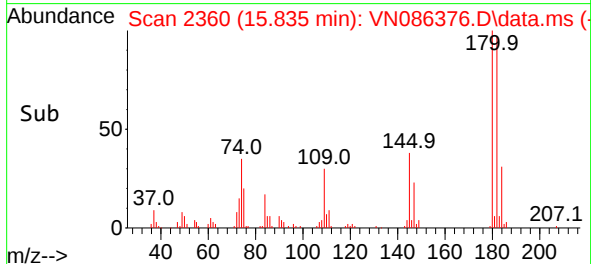
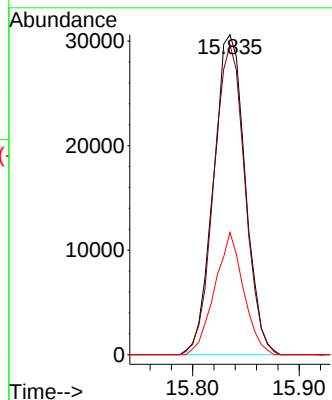
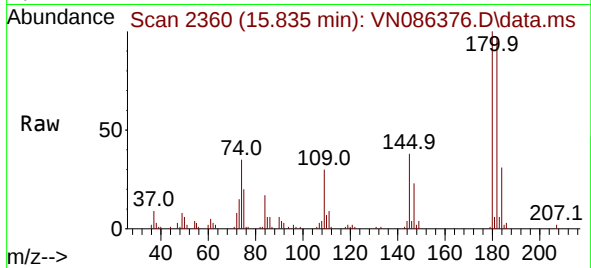




#89  
1,2,4-Trichlorobenzene  
Concen: 74.983 ug/l  
RT: 15.835 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

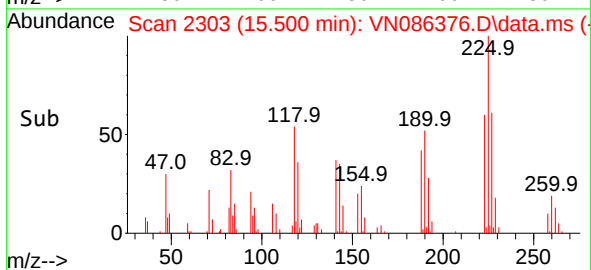
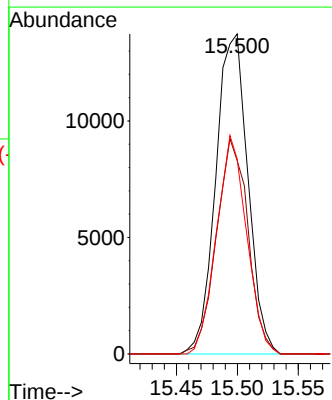
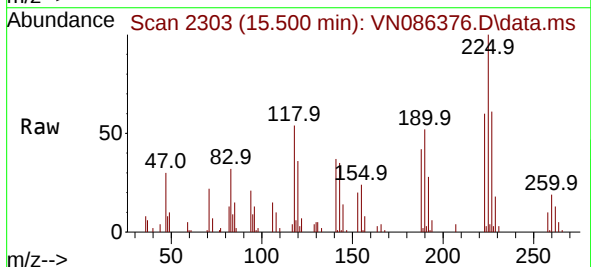
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

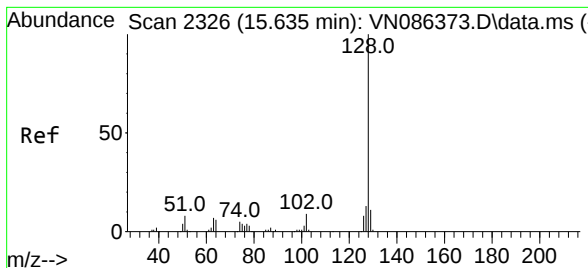
Tgt Ion:180 Resp: 63112  
Ion Ratio Lower Upper  
180 100  
182 95.6 74.8 112.2  
145 34.8 26.9 40.3



#90  
Hexachlorobutadiene  
Concen: 74.358 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. 0.006 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion:225 Resp: 25210  
Ion Ratio Lower Upper  
225 100  
223 65.9 0.0 128.8  
227 64.2 0.0 120.2

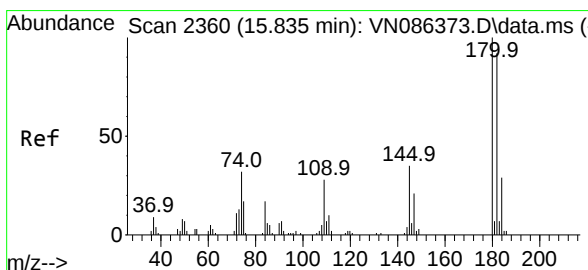
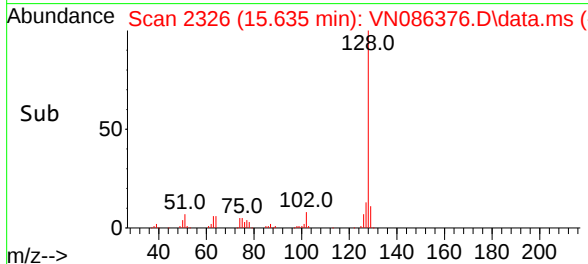
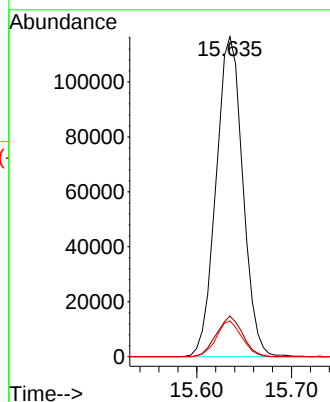
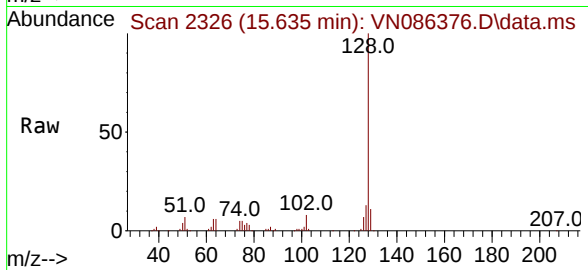




#91  
Naphthalene  
Concen: 75.762 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tgt Ion:128 Resp: 228296  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.6 15.8  
129 10.7 8.7 13.1



#92  
1,2,3-Trichlorobenzene  
Concen: 74.983 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN086376.D  
Acq: 23 Apr 2025 10:57

Tgt Ion:180 Resp: 63112  
Ion Ratio Lower Upper  
180 100  
182 95.6 0.0 187.0  
145 34.8 0.0 67.2

