

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081324\  
 Data File : VX043006.D  
 Acq On : 13 Aug 2024 10:49  
 Operator : JC/MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Quant Time: Aug 13 13:12:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X081324W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Aug 13 13:10:21 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 4.898  | 128   | 32578    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.757  | 114   | 196930   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055 | 117   | 174786   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.958  | 65    | 77323    | 26.391   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 87.967%# |
| 60) 4-Bromofluorobenzene     | 11.079 | 95    | 86712    | 30.291   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 100.967% |
| 63) Toluene-d8               | 8.647  | 98    | 244873   | 30.898   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 103.000% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 35585    | 18.805   | ug/l   | 94       |
| 3) Chloromethane             | 1.294  | 50    | 52696    | 26.727   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374  | 62    | 49020    | 24.334   | ug/l   | 98       |
| 5) Bromomethane              | 1.599  | 94    | 12107    | 11.572   | ug/l   | 98       |
| 6) Chloroethane              | 1.666  | 64    | 12990    | 12.645   | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 1.868  | 101   | 48849    | 17.163   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136  | 74    | 22418    | 19.121   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319  | 101   | 41232    | 20.056   | ug/l   | 93       |
| 10) 1,1-Dichloroethene       | 2.307  | 96    | 43760    | 21.729   | ug/l   | 99       |
| 11) Methyl Iodide            | 2.447  | 142   | 46686    | 23.832   | ug/l   | 91       |
| 12) Methyl Acetate           | 2.709  | 43    | 79546    | 19.296   | ug/l   | 98       |
| 13) Acrolein                 | 2.239  | 56    | 60627    | 266.528  | ug/l   | 92       |
| 14) Acrylonitrile            | 3.069  | 53    | 148064   | 110.464  | ug/l   | 98       |
| 15) Acetone                  | 2.392  | 58    | 44640    | 104.001  | ug/l   | 81       |
| 16) Carbon Disulfide         | 2.502  | 76    | 123662   | 27.338   | ug/l   | 98       |
| 17) Allyl chloride           | 2.660  | 41    | 88865    | 26.249   | ug/l   | 93       |
| 18) Methylene Chloride       | 2.788  | 84    | 50745    | 21.667   | ug/l   | 97       |
| 19) trans-1,2-Dichloroethene | 3.087  | 96    | 43758    | 21.543   | ug/l   | 97       |
| 20) Diisopropyl ether        | 3.764  | 45    | 169760   | 23.515   | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 3.605  | 63    | 87163    | 21.724   | ug/l   | 97       |
| 22) cis-1,2-Dichloroethene   | 4.489  | 96    | 54199    | 21.175   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 2.995  | 59    | 66042    | 107.283  | ug/l   | 100      |
| 24) Methyl tert-Butyl Ether  | 3.117  | 73    | 149928   | 20.821   | ug/l   | 98       |
| 25) Chloroform               | 5.093  | 83    | 80225    | 19.011   | ug/l   | 95       |
| 26) Cyclohexane              | 5.464  | 56    | 79110    | 23.956   | ug/l # | 95       |
| 29) 1,1-Dichloropropene      | 5.690  | 75    | 57451    | 21.936   | ug/l   | 98       |
| 30) 2-Butanone               | 4.568  | 43    | 212846   | 110.502  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 4.471  | 77    | 72242    | 23.250   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 69237    | 19.639   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 5.672  | 117   | 56041    | 18.815   | ug/l   | 97       |
| 34) Benzene                  | 6.038  | 78    | 191517   | 22.614   | ug/l   | 96       |
| 35) Methacrylonitrile        | 4.928  | 41    | 43640    | 23.588   | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 6.086  | 62    | 58668    | 19.594   | ug/l # | 92       |
| 37) Trichloroethene          | 7.123  | 130   | 43124    | 20.642   | ug/l   | 99       |
| 38) Methylcyclohexane        | 7.379  | 83    | 79062    | 23.681   | ug/l   | 97       |
| 39) 1,2-Dichloropropane      | 7.428  | 63    | 47943    | 22.347   | ug/l   | 98       |
| 40) Dibromomethane           | 7.580  | 93    | 31814    | 20.230   | ug/l   | 95       |
| 41) Bromodichloromethane     | 7.824  | 83    | 63117    | 20.195   | ug/l   | 99       |
| 42) Vinyl Acetate            | 3.721  | 43    | 988065   | 154.723  | ug/l   | 98       |

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 Operator : JC/MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Quant Time: Aug 13 13:12:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X081324W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Aug 13 13:10:21 2024  
 Response via : Initial Calibration

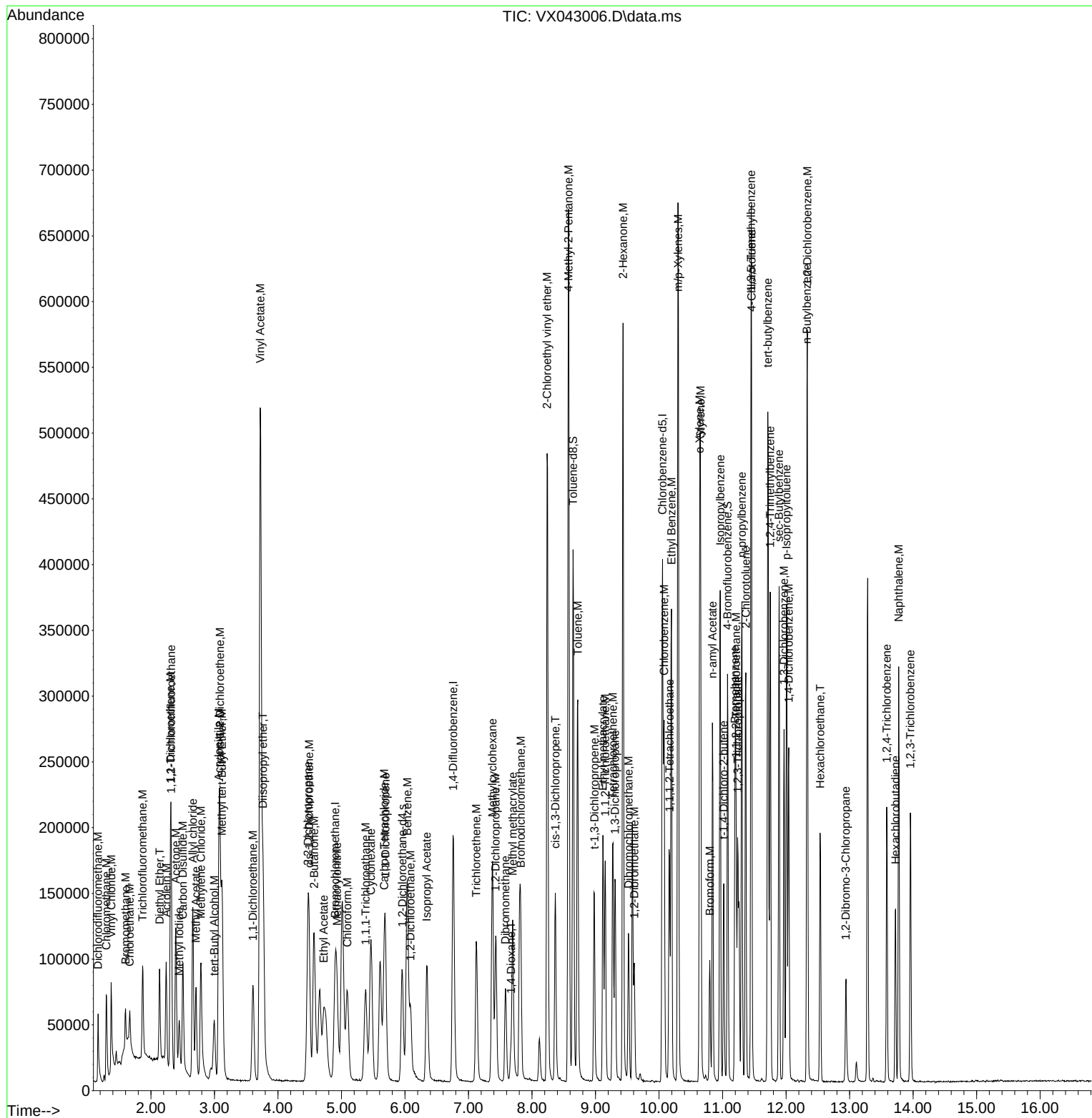
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 4.721  | 43   | 76338    | 23.186  | ug/l   | 100      |
| 44) Isopropyl Acetate         | 6.342  | 43   | 131576   | 24.534  | ug/l   | 96       |
| 45) 1,4-Dioxane               | 7.671  | 88   | 25569    | 466.310 | ug/l # | 93       |
| 46) Methyl methacrylate       | 7.696  | 41   | 59851    | 22.925  | ug/l   | 95       |
| 47) n-amyl Acetate            | 10.842 | 43   | 112893   | 24.356  | ug/l   | 95       |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 70572    | 22.847  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 77329    | 23.040  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 44193    | 20.565  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 84546    | 23.086  | ug/l   | 97       |
| 52) 1,3-Dichloropropane       | 9.305  | 76   | 78161    | 21.810  | ug/l   | 99       |
| 53) Dibromochloromethane      | 9.519  | 129  | 47413    | 19.153  | ug/l   | 100      |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 46057    | 20.579  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 8.238  | 63   | 199879   | 117.942 | ug/l   | 99       |
| 56) Bromoform                 | 10.799 | 173  | 33008    | 18.672  | ug/l   | 97       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 405504   | 118.245 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 318802   | 117.271 | ug/l   | 99       |
| 61) Tetrachloroethene         | 9.275  | 164  | 35812    | 20.503  | ug/l   | 98       |
| 62) Toluene                   | 8.720  | 91   | 195706   | 22.183  | ug/l   | 98       |
| 64) Chlorobenzene             | 10.079 | 112  | 119341   | 21.381  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 39798    | 19.971  | ug/l   | 96       |
| 66) Ethyl Benzene             | 10.195 | 91   | 212289   | 21.773  | ug/l   | 97       |
| 67) m/p-Xylenes               | 10.299 | 106  | 160057   | 43.428  | ug/l   | 97       |
| 68) o-Xylene                  | 10.640 | 106  | 80168    | 22.006  | ug/l   | 100      |
| 69) Styrene                   | 10.653 | 104  | 133755   | 21.408  | ug/l   | 98       |
| 70) Isopropylbenzene          | 10.963 | 105  | 199023   | 21.035  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 73308    | 21.373  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 59978m   | 19.420  | ug/l   |          |
| 73) Bromobenzene              | 11.195 | 156  | 45011    | 19.042  | ug/l   | 88       |
| 74) n-propylbenzene           | 11.305 | 91   | 230094   | 20.816  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 143287   | 21.076  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 163775   | 20.440  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 28404    | 26.323  | ug/l   | 91       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 155707   | 20.161  | ug/l   | 99       |
| 79) tert-butylbenzene         | 11.713 | 119  | 165471   | 20.174  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 164260   | 20.695  | ug/l   | 98       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 203528   | 20.291  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 165760   | 19.836  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 81025    | 18.724  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 12.043 | 146  | 81465    | 18.731  | ug/l   | 97       |
| 85) n-Butylbenzene            | 12.329 | 91   | 143077   | 19.137  | ug/l   | 98       |
| 86) Hexachloroethane          | 12.536 | 117  | 34023    | 21.808  | ug/l   | 86       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 82914    | 19.100  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 16152    | 20.711  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 46032    | 16.755  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 17317    | 14.886  | ug/l   | 97       |
| 91) Naphthalene               | 13.774 | 128  | 186486   | 19.448  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 47674    | 17.163  | ug/l   | 98       |

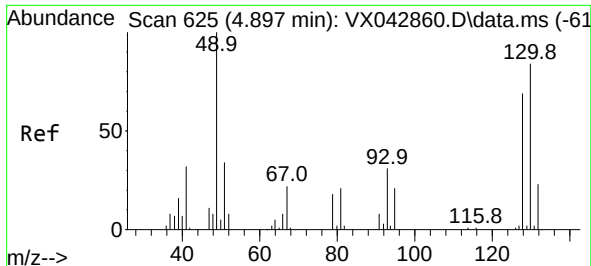
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081324\  
Data File : VX043006.D  
Acq On : 13 Aug 2024 10:49  
Operator : JC/MD  
Sample : VSTDICCC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Quant Time: Aug 13 13:12:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X081324W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Aug 13 13:10:21 2024  
Response via : Initial Calibration

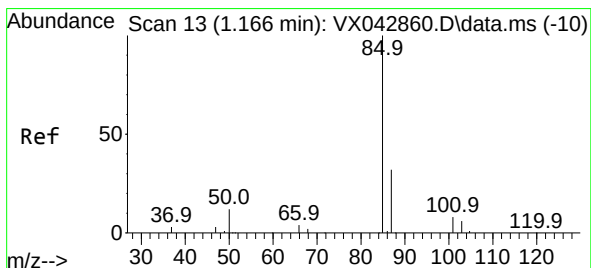
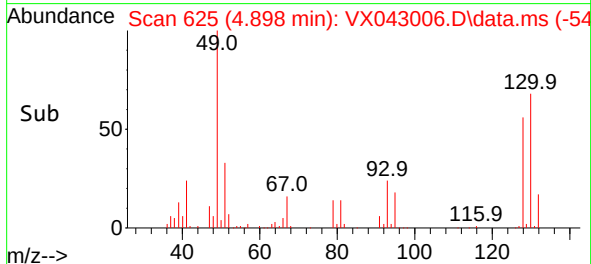
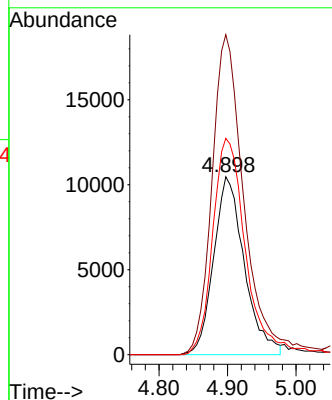
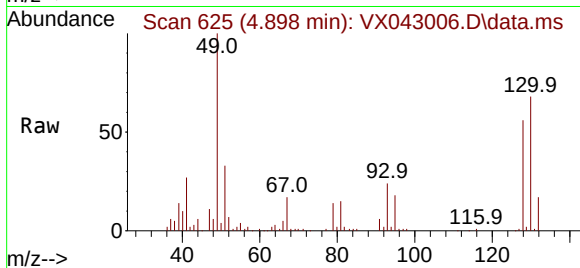




#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 4.898 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

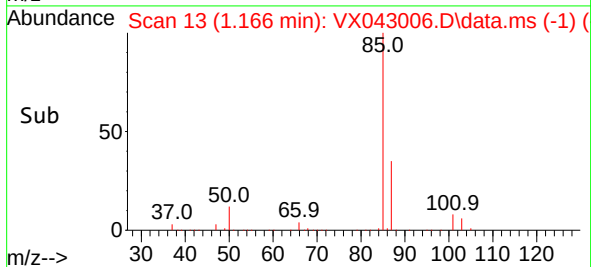
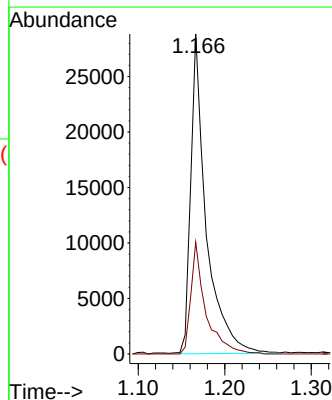
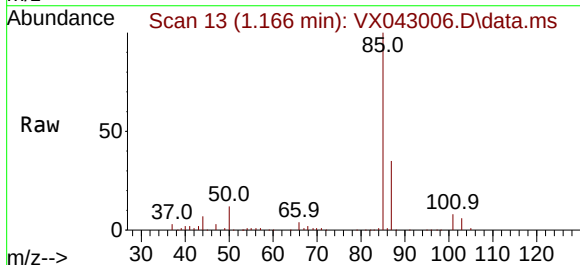
Instrument :  
 MSVOA\_X  
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 VSTDICCC020

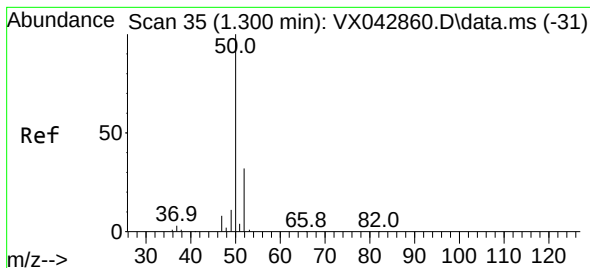
Tgt Ion:128 Resp: 32578  
 Ion Ratio Lower Upper  
 128 100  
 49 188.7 0.0 400.5  
 130 126.9 0.0 333.0



#2  
 Dichlorodifluoromethane  
 Concen: 18.805 ug/l  
 RT: 1.166 min Scan# 13  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

Tgt Ion: 85 Resp: 35585  
 Ion Ratio Lower Upper  
 85 100  
 87 35.1 16.0 48.0





#3

Chloromethane

Concen: 26.727 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

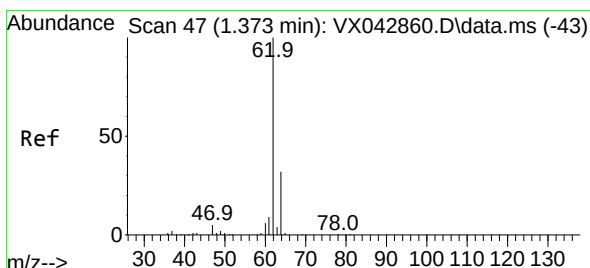
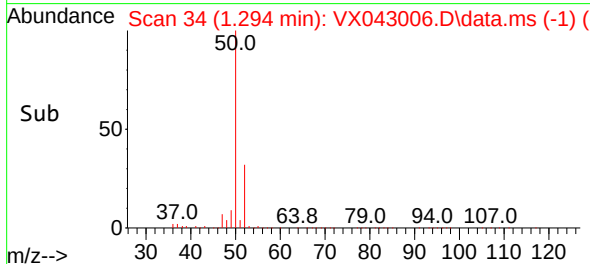
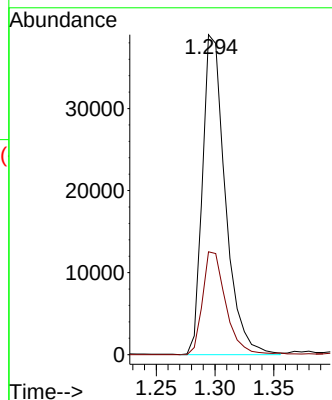
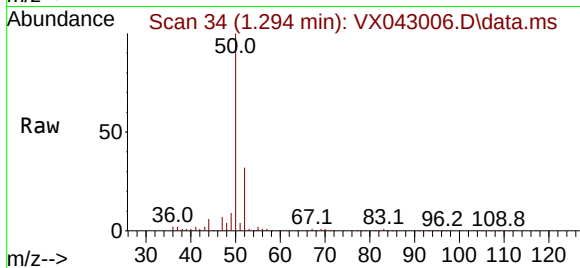
VSTDICCC020

Tgt Ion: 50 Resp: 52696

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 24.334 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043006.D

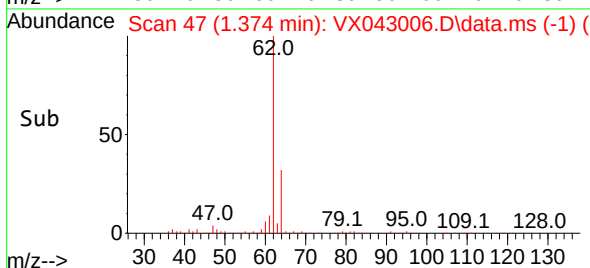
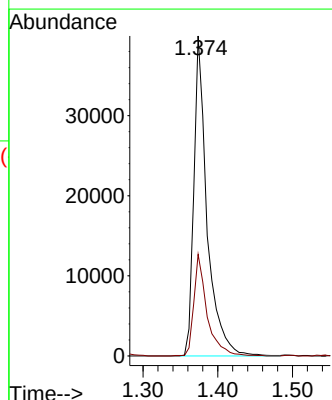
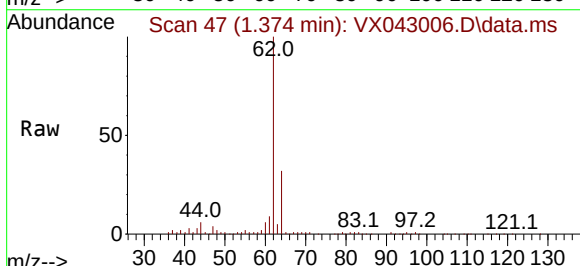
Acq: 13 Aug 2024 10:49

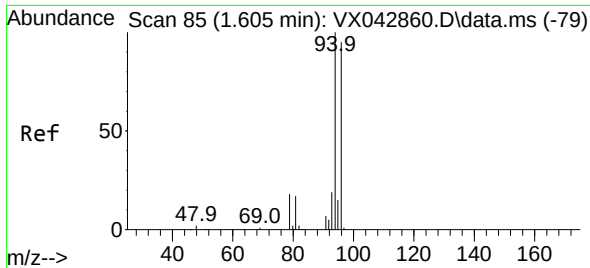
Tgt Ion: 62 Resp: 49020

Ion Ratio Lower Upper

62 100

64 31.7 26.3 39.5

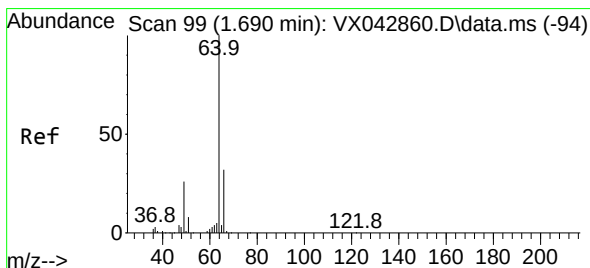
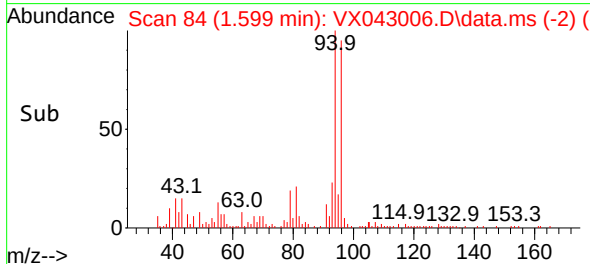
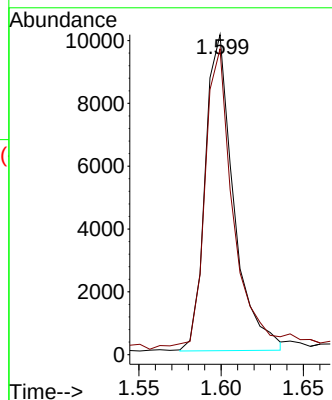
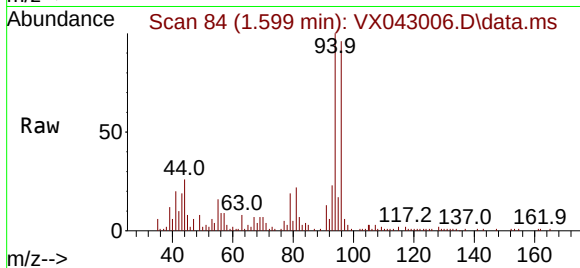




#5  
Bromomethane  
Concen: 11.572 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

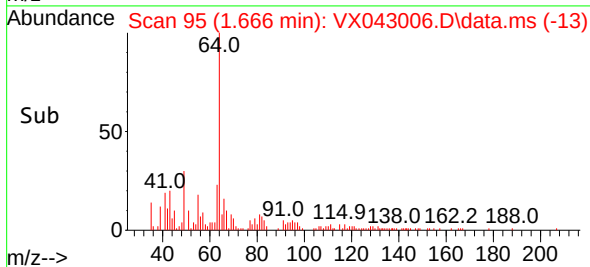
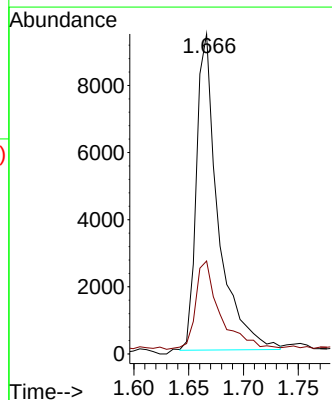
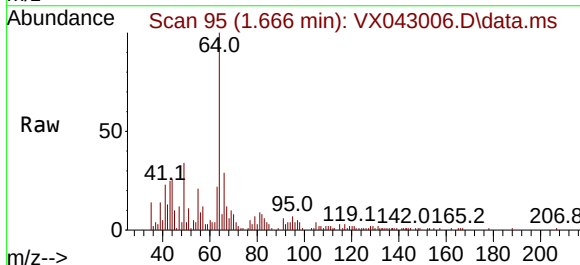
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

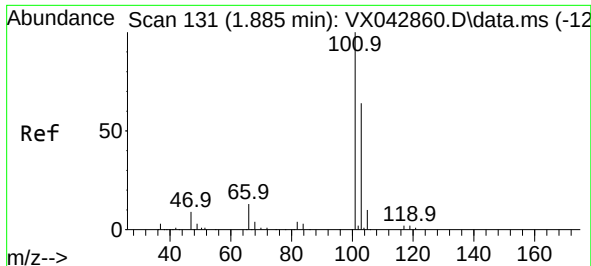
Tgt Ion: 94 Resp: 12107  
Ion Ratio Lower Upper  
94 100  
96 93.6 76.2 114.4



#6  
Chloroethane  
Concen: 12.645 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 64 Resp: 12990  
Ion Ratio Lower Upper  
64 100  
66 27.5 25.9 38.9

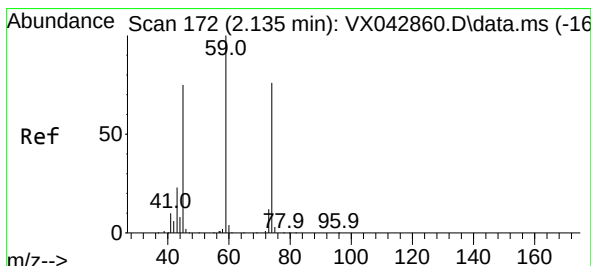
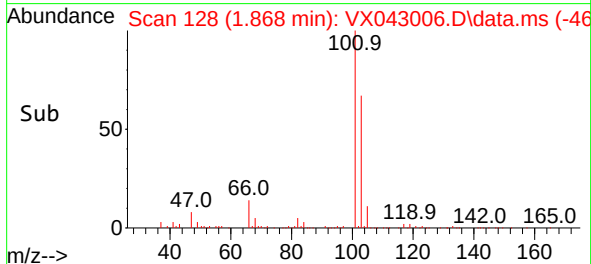
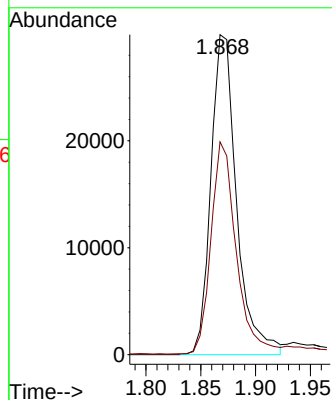
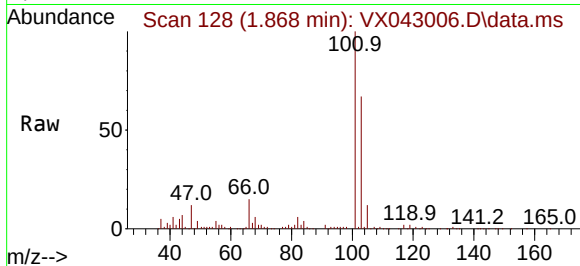




#7  
Trichlorofluoromethane  
Concen: 17.163 ug/l  
RT: 1.868 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

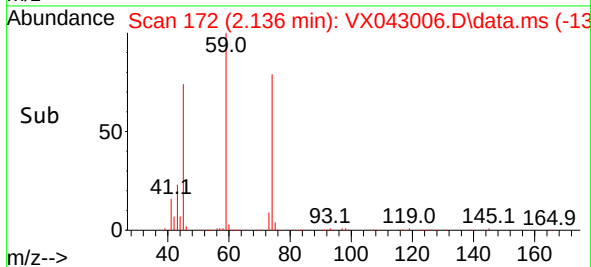
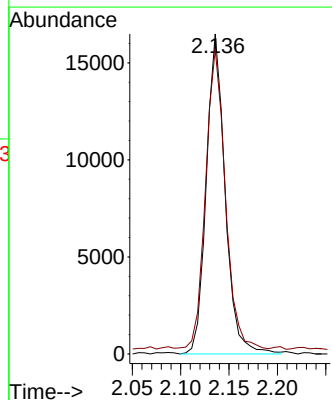
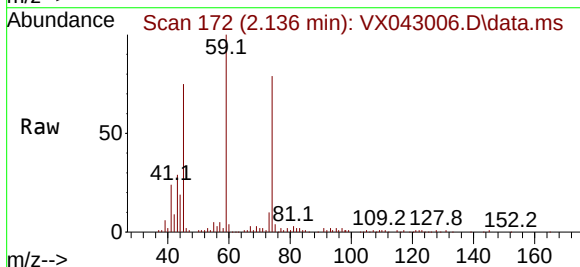
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

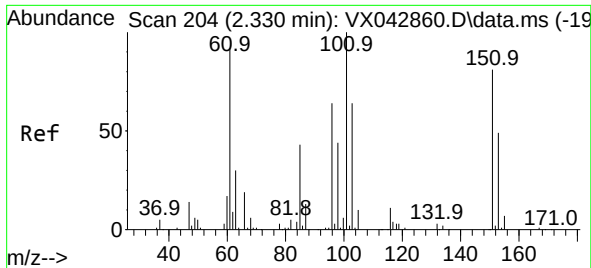
Tgt Ion:101 Resp: 48849  
Ion Ratio Lower Upper  
101 100  
103 66.2 51.5 77.3



#8  
Diethyl Ether  
Concen: 19.121 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 74 Resp: 22418  
Ion Ratio Lower Upper  
74 100  
45 100.2 20.3 182.3

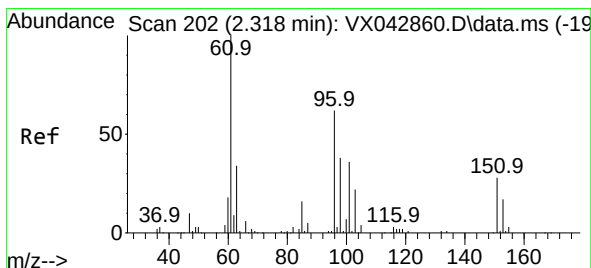
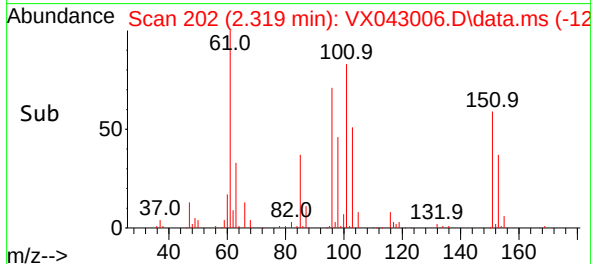
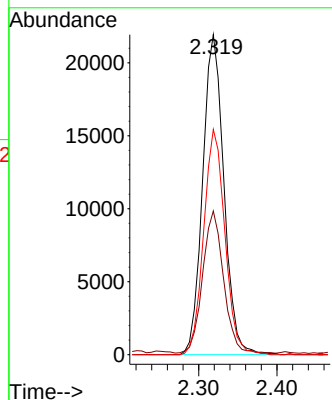
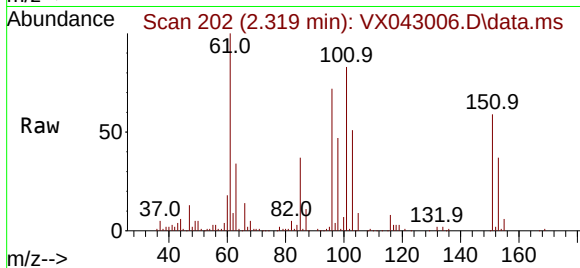




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.056 ug/l  
 RT: 2.319 min Scan# 204  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

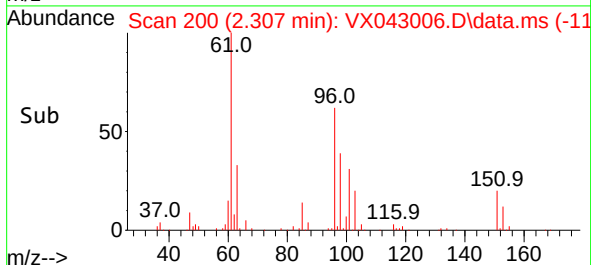
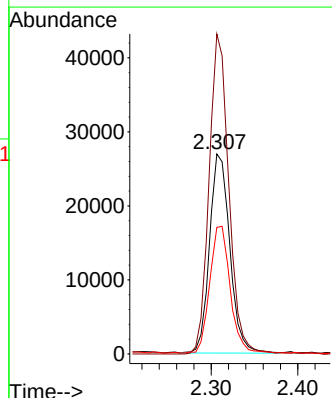
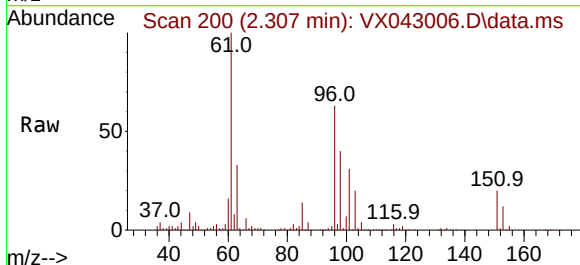
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion:101 Resp: 41232  
 Ion Ratio Lower Upper  
 101 100  
 85 43.3 0.0 88.6  
 151 70.4 0.0 157.6

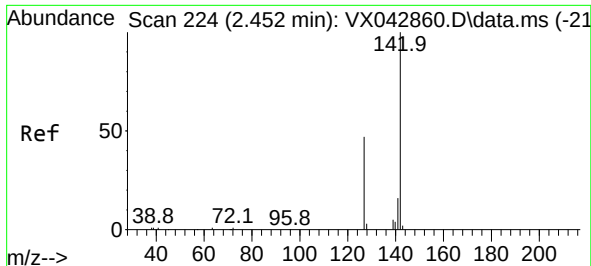


#10  
 1,1-Dichloroethene  
 Concen: 21.729 ug/l  
 RT: 2.307 min Scan# 200  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

Tgt Ion: 96 Resp: 43760  
 Ion Ratio Lower Upper  
 96 100  
 61 160.9 129.2 193.8  
 98 63.1 48.6 72.8



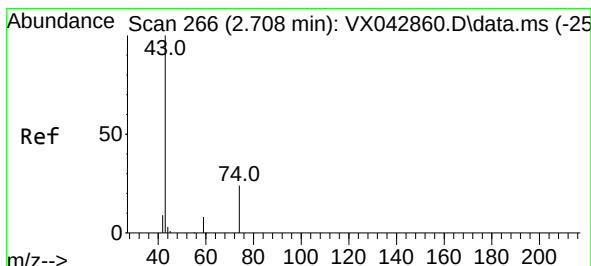
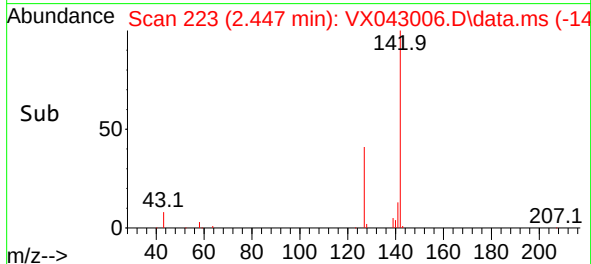
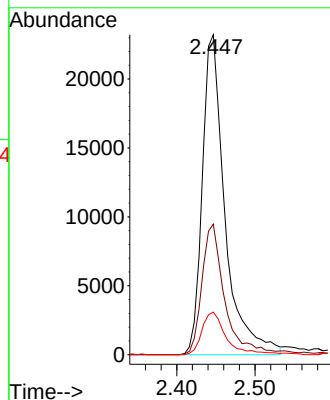
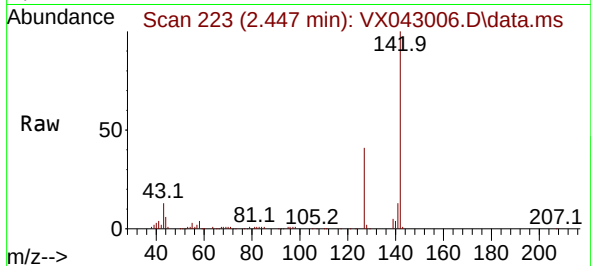




#11  
Methyl Iodide  
Concen: 23.832 ug/l  
RT: 2.447 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

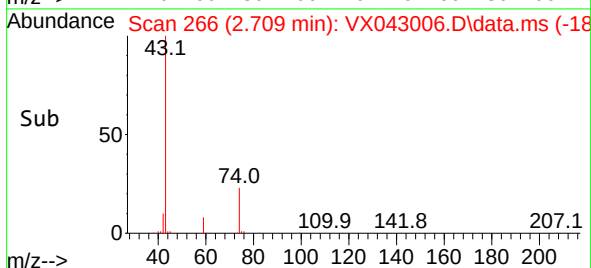
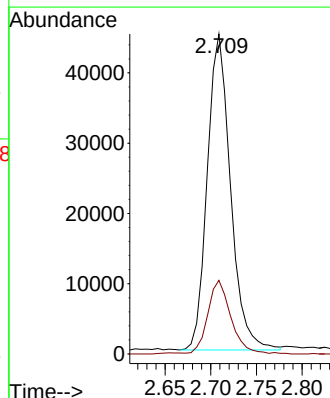
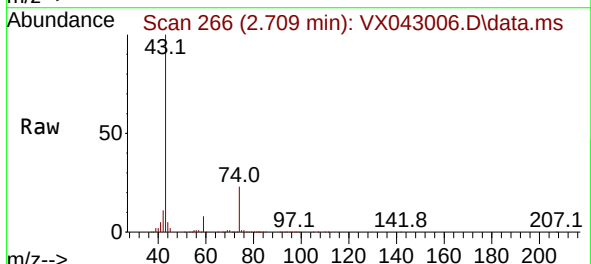
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

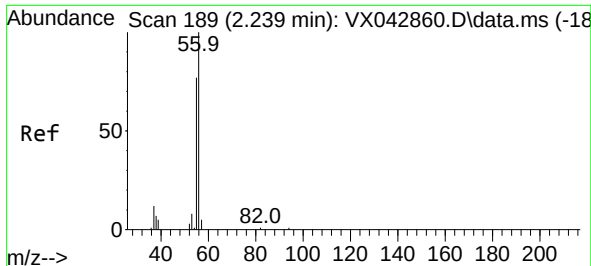
Tgt Ion:142 Resp: 46686  
Ion Ratio Lower Upper  
142 100  
127 40.7 23.6 71.0  
141 13.2 8.0 23.8



#12  
Methyl Acetate  
Concen: 19.296 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 43 Resp: 79546  
Ion Ratio Lower Upper  
43 100  
74 23.1 19.4 29.2





#13

Acrolein

Concen: 266.528 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

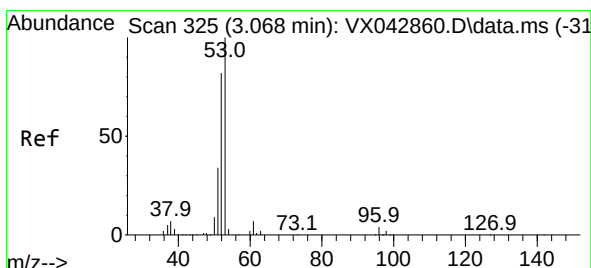
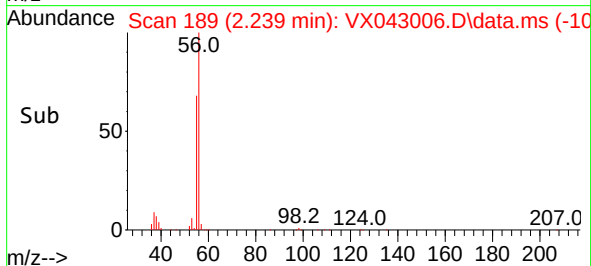
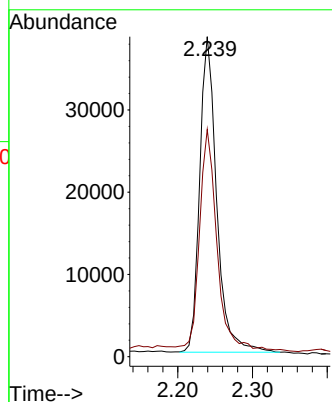
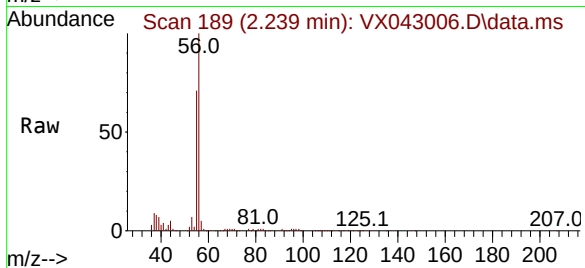
VSTDICCC020

Tgt Ion: 56 Resp: 60627

Ion Ratio Lower Upper

56 100

55 68.7 60.6 90.8



#14

Acrylonitrile

Concen: 110.464 ug/l

RT: 3.069 min Scan# 325

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

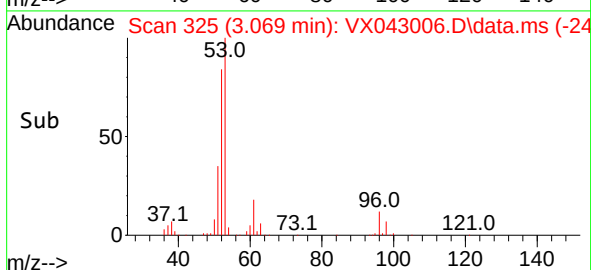
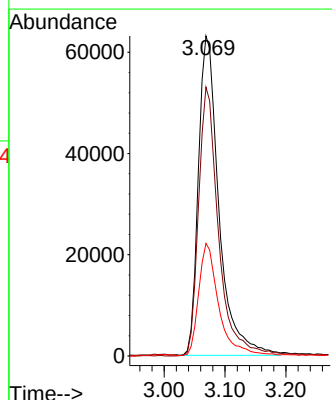
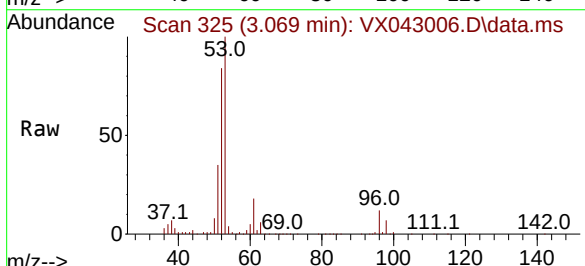
Tgt Ion: 53 Resp: 148064

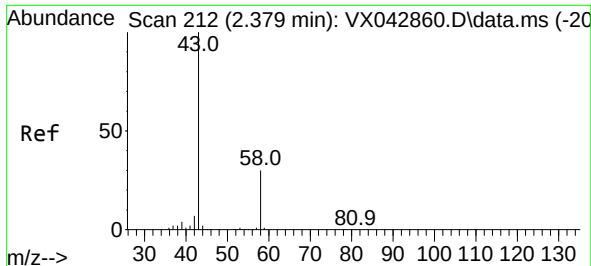
Ion Ratio Lower Upper

53 100

52 80.9 41.2 123.6

51 34.2 17.9 53.8





#15

Acetone

Concen: 104.001 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

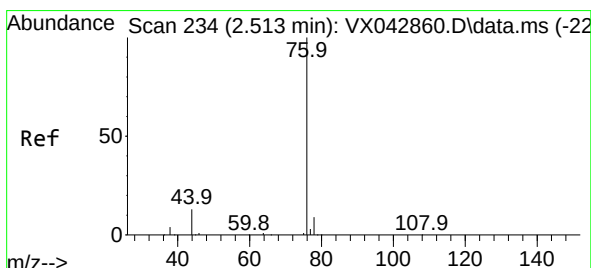
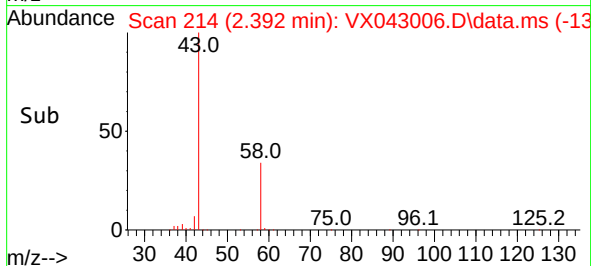
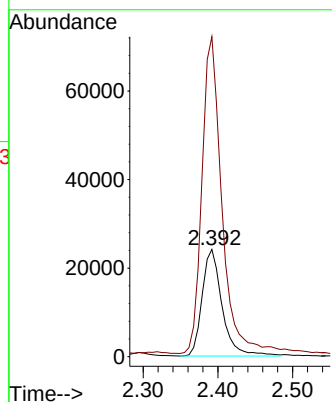
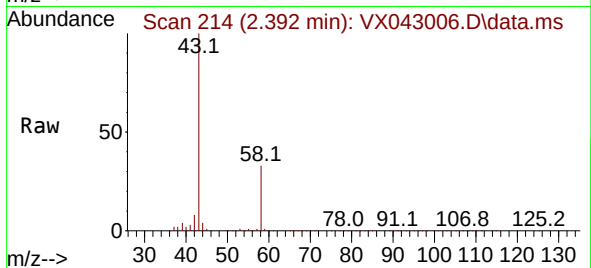
VSTDICCC020

Tgt Ion: 58 Resp: 44640

Ion Ratio Lower Upper

58 100

43 297.6 269.9 404.9



#16

Carbon Disulfide

Concen: 27.338 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX043006.D

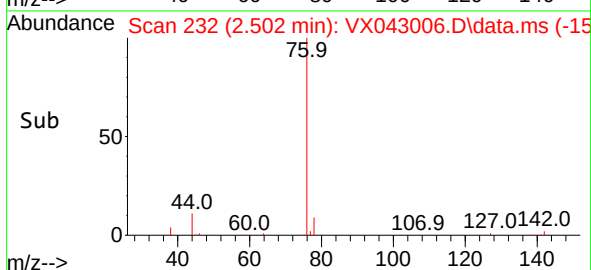
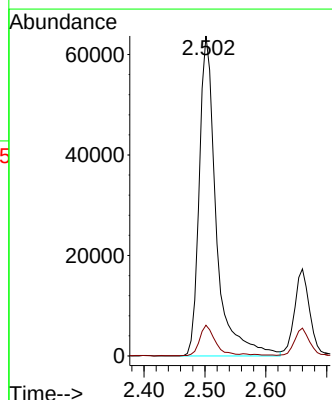
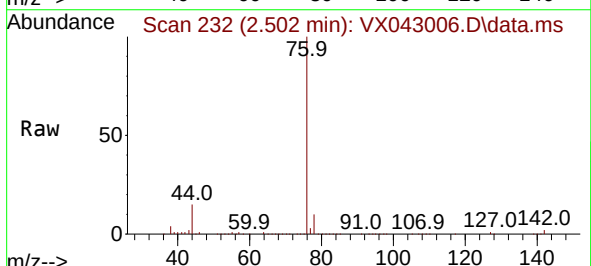
Acq: 13 Aug 2024 10:49

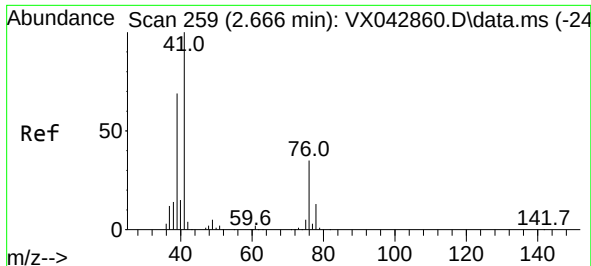
Tgt Ion: 76 Resp: 123662

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7





#17

Allyl chloride

Concen: 26.249 ug/l

RT: 2.660 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

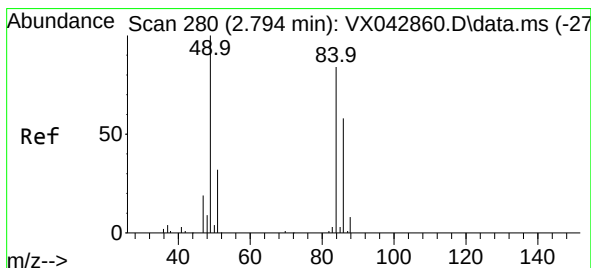
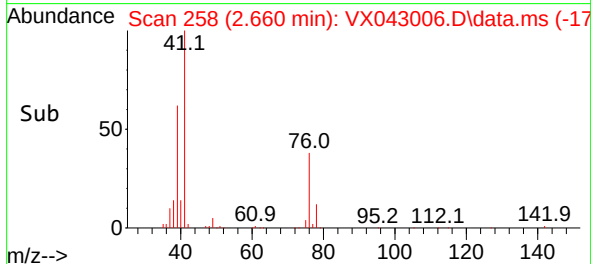
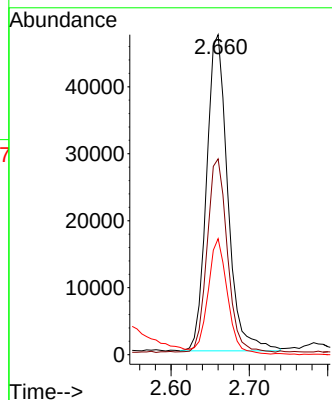
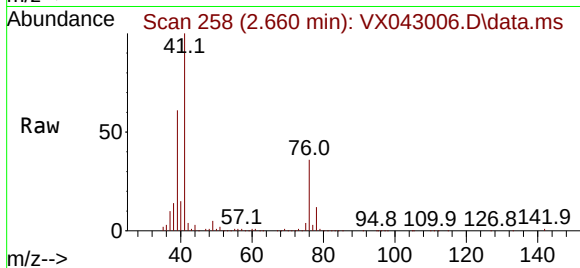
Tgt Ion: 41 Resp: 88865

Ion Ratio Lower Upper

41 100

39 61.1 34.6 103.9

76 36.3 18.4 55.4



#18

Methylene Chloride

Concen: 21.667 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Tgt Ion: 84 Resp: 50745

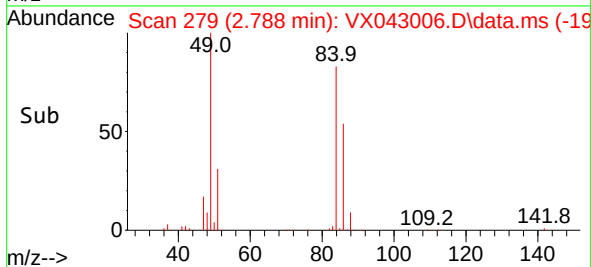
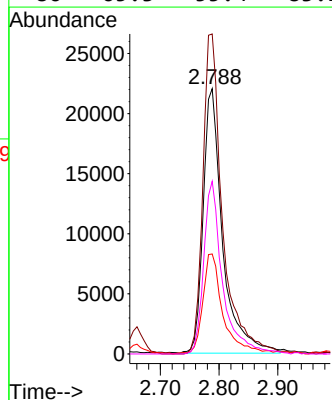
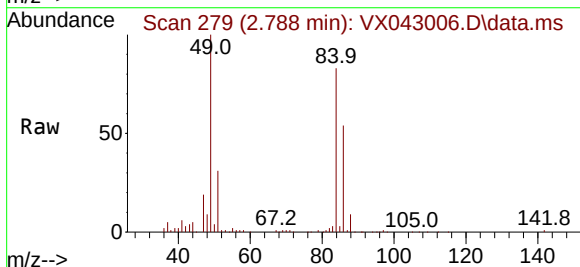
Ion Ratio Lower Upper

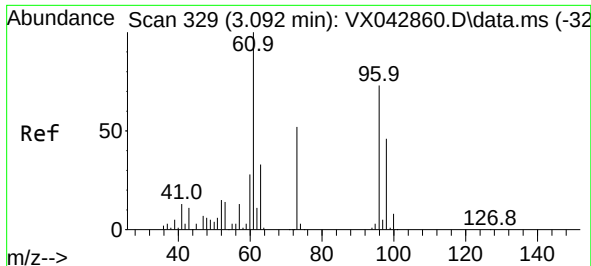
84 100

49 121.0 95.0 142.6

51 37.4 30.1 45.1

86 65.3 55.4 83.2

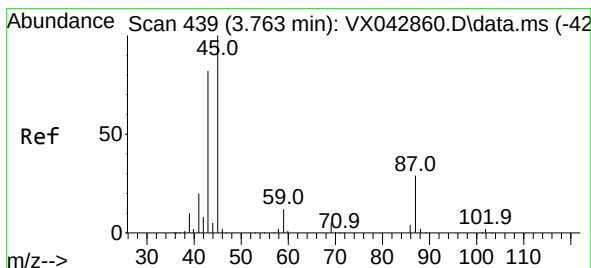
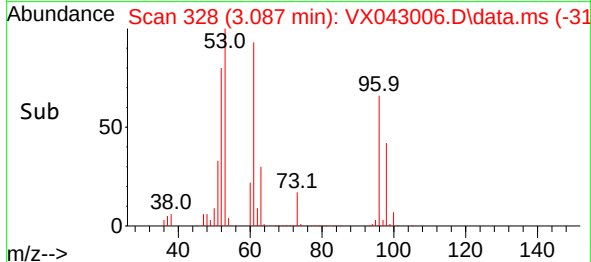
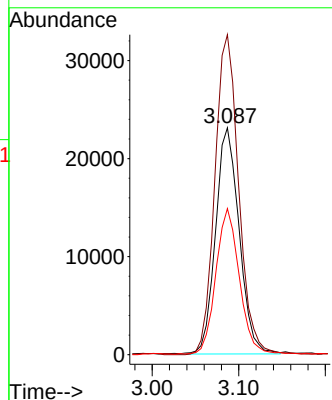
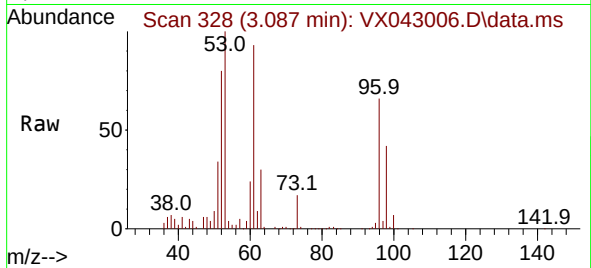




#19  
trans-1,2-Dichloroethene  
Concen: 21.543 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

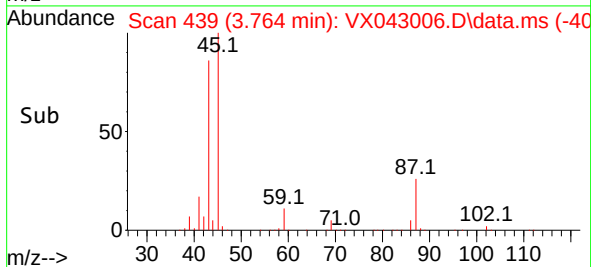
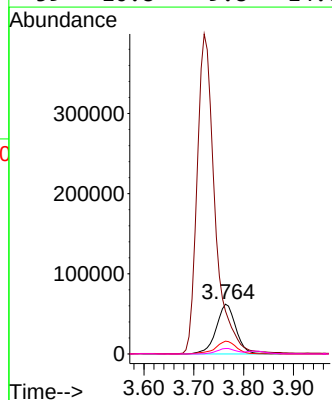
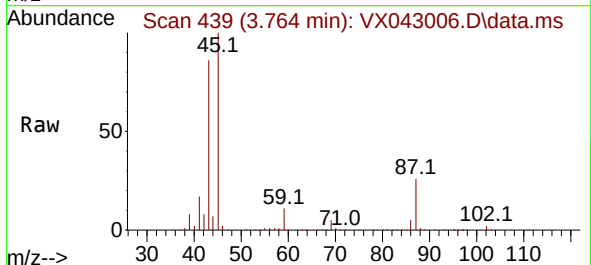
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

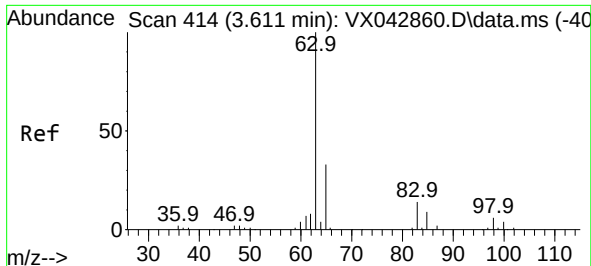
Tgt Ion: 96 Resp: 43758  
Ion Ratio Lower Upper  
96 100  
61 141.7 109.6 164.4  
98 64.2 50.4 75.6



#20  
Diisopropyl ether  
Concen: 23.515 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 45 Resp: 169760  
Ion Ratio Lower Upper  
45 100  
43 85.1 65.4 98.2  
87 25.9 23.0 34.6  
59 10.8 9.8 14.6

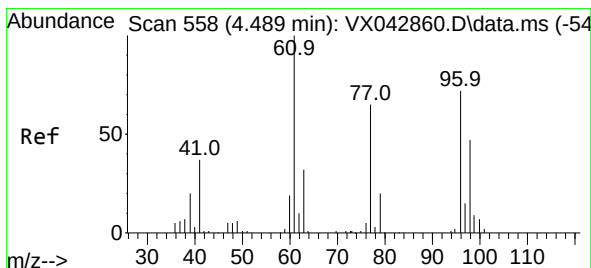
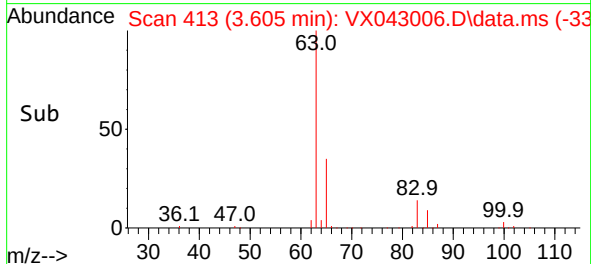
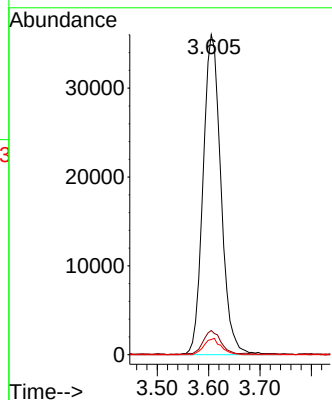
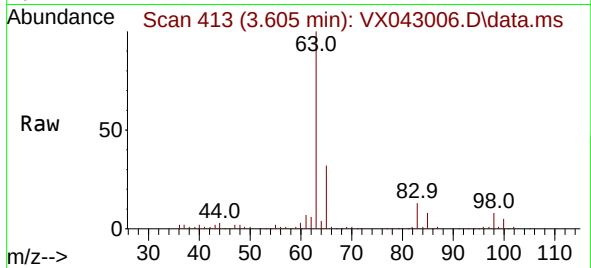




#21  
 1,1-Dichloroethane  
 Concen: 21.724 ug/l  
 RT: 3.605 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

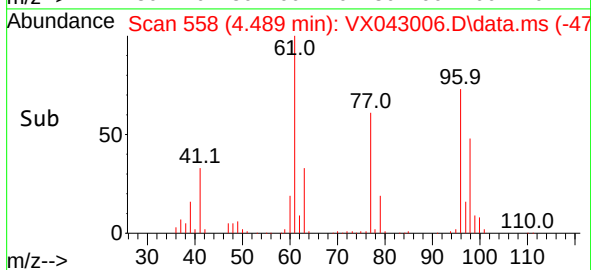
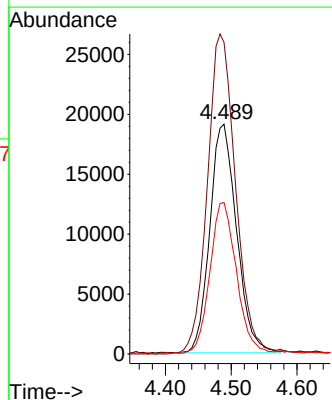
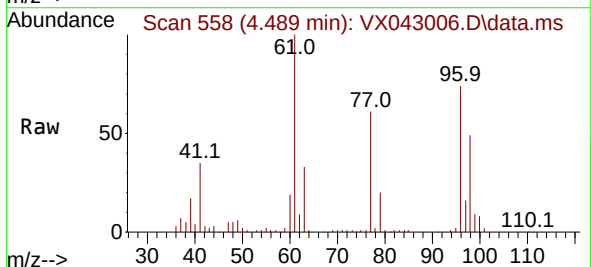
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

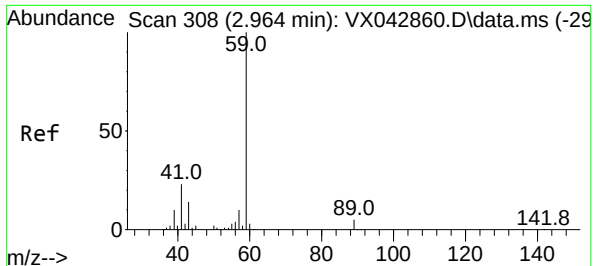
Tgt Ion: 63 Resp: 87163  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 2.9 8.8  
 100 4.7 2.1 6.3



#22  
 cis-1,2-Dichloroethene  
 Concen: 21.175 ug/l  
 RT: 4.489 min Scan# 558  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

Tgt Ion: 96 Resp: 54199  
 Ion Ratio Lower Upper  
 96 100  
 61 146.6 117.7 176.5  
 98 65.3 53.4 80.0

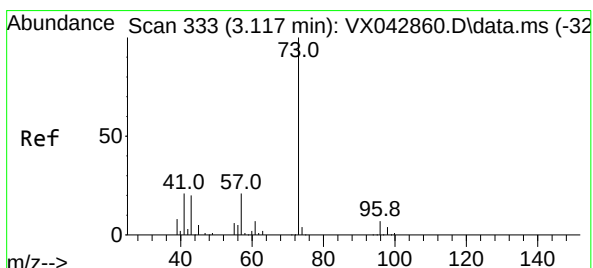
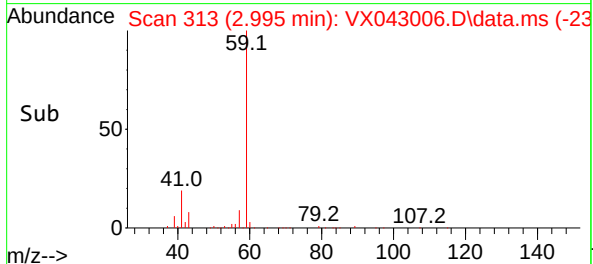
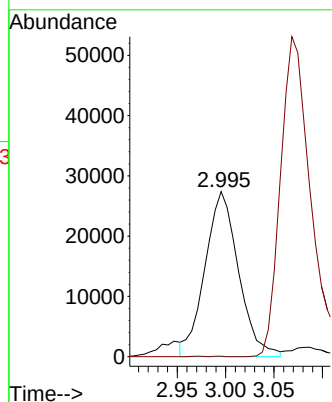
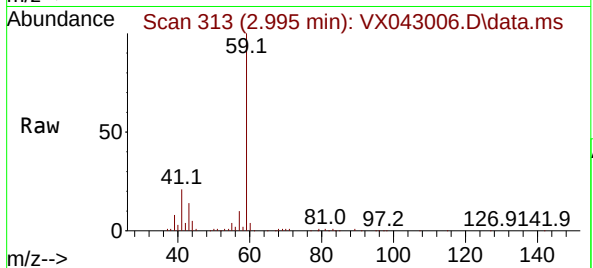




#23  
tert-Butyl Alcohol  
Concen: 107.283 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

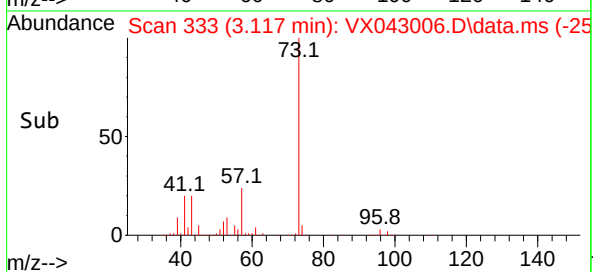
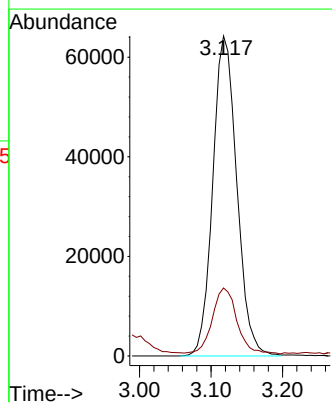
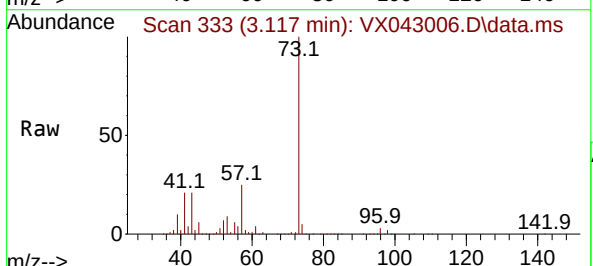
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

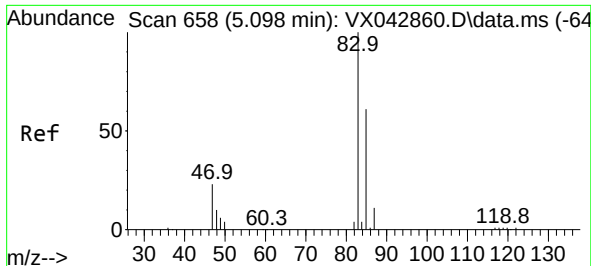
Tgt Ion: 59 Resp: 66042  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.1 0.1



#24  
Methyl tert-Butyl Ether  
Concen: 20.821 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 73 Resp: 149928  
Ion Ratio Lower Upper  
73 100  
43 21.0 16.2 24.2

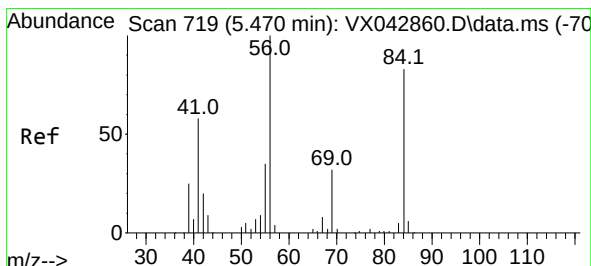
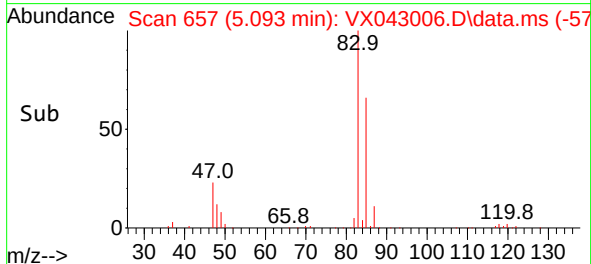
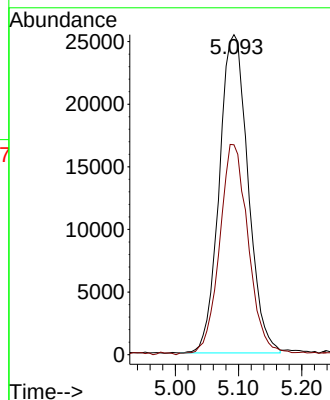
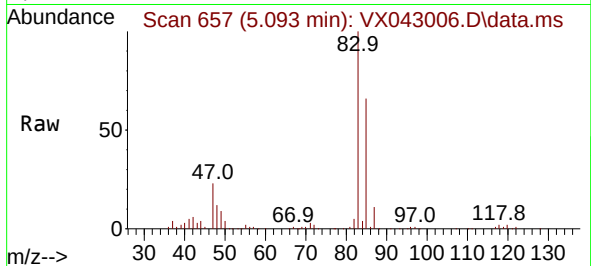




#25  
Chloroform  
Concen: 19.011 ug/l  
RT: 5.093 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

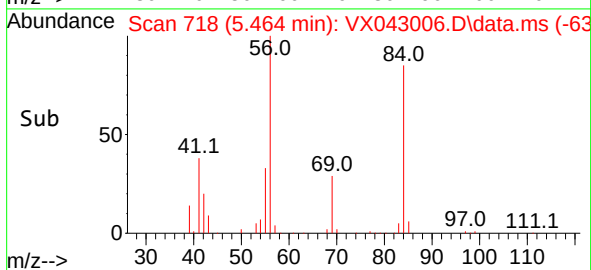
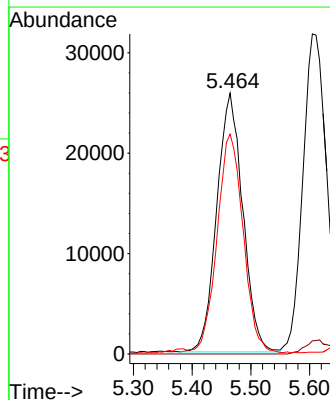
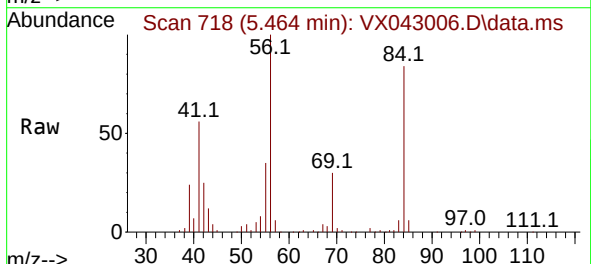
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 83 Resp: 80225  
Ion Ratio Lower Upper  
83 100  
85 65.5 49.2 73.8

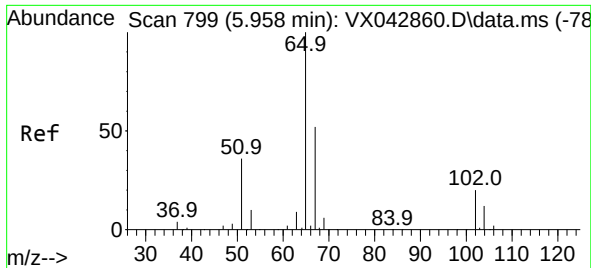


#26  
Cyclohexane  
Concen: 23.956 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 56 Resp: 79110  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 85.2 71.8 107.8



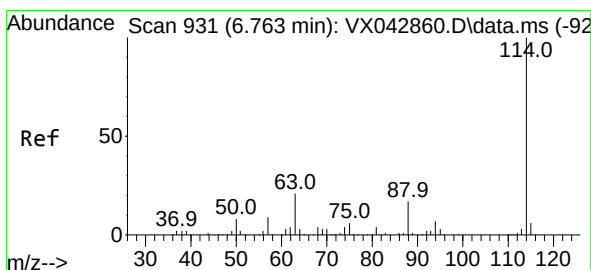
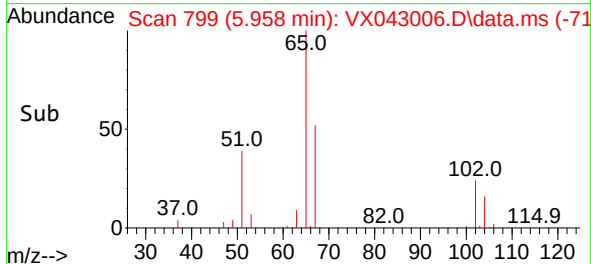
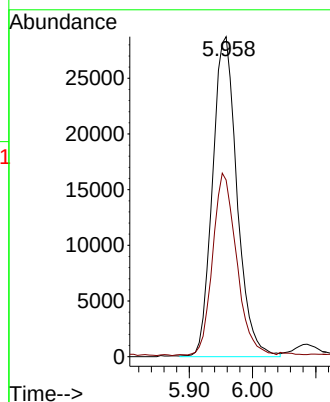
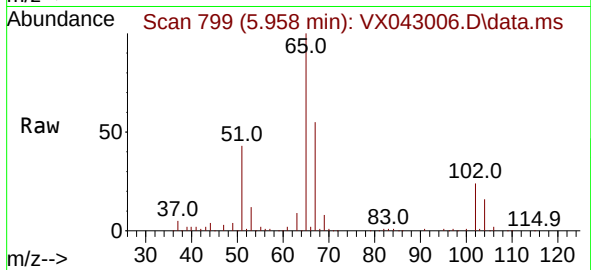




#27  
1,2-Dichloroethane-d4  
Concen: 26.391 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

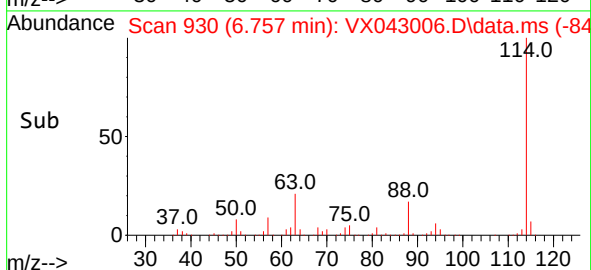
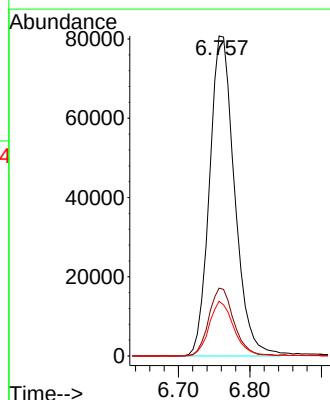
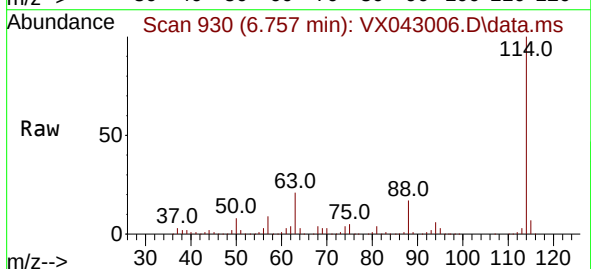
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

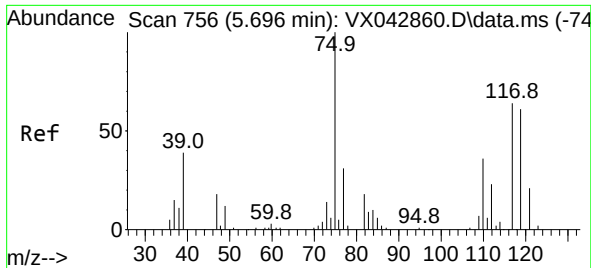
Tgt Ion: 65 Resp: 77323  
Ion Ratio Lower Upper  
65 100  
67 55.1 40.6 60.8



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 114 Resp: 196930  
Ion Ratio Lower Upper  
114 100  
63 21.2 16.0 24.0  
88 16.7 12.5 18.7





#29

1,1-Dichloropropene

Concen: 21.936 ug/l

RT: 5.690 min Scan# 756

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

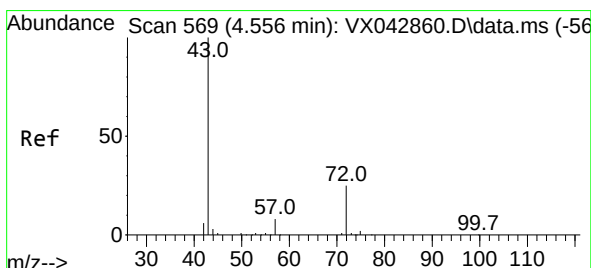
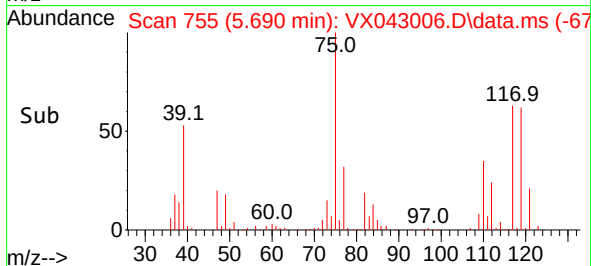
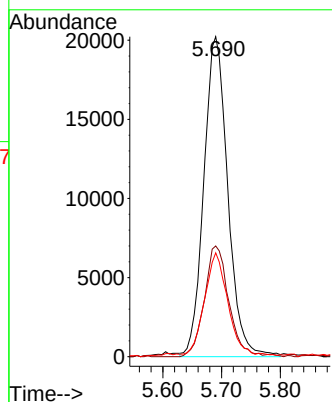
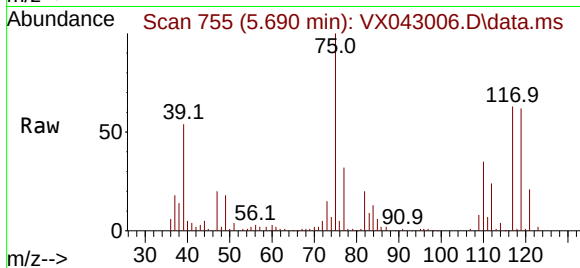
Tgt Ion: 75 Resp: 57451

Ion Ratio Lower Upper

75 100

110 34.7 0.0 72.4

77 31.0 0.0 63.4



#30

2-Butanone

Concen: 110.502 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

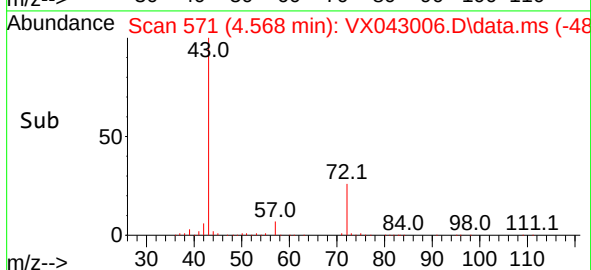
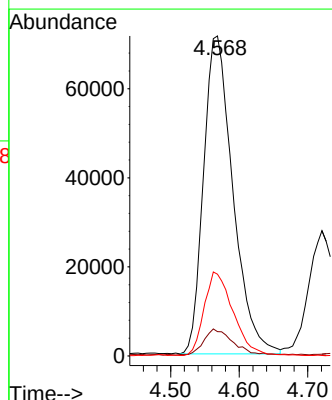
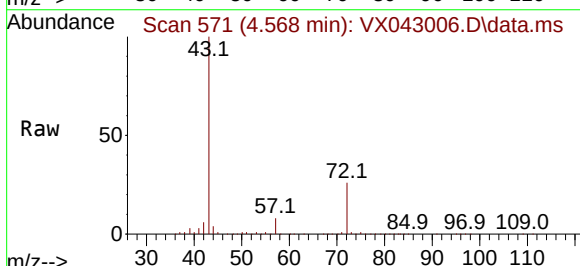
Tgt Ion: 43 Resp: 212846

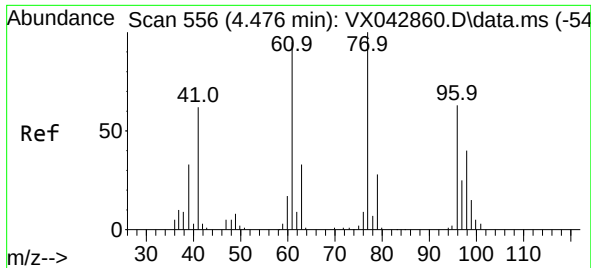
Ion Ratio Lower Upper

43 100

57 7.7 6.6 10.0

72 25.8 21.0 31.4

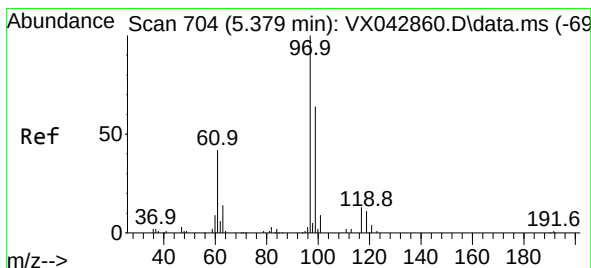
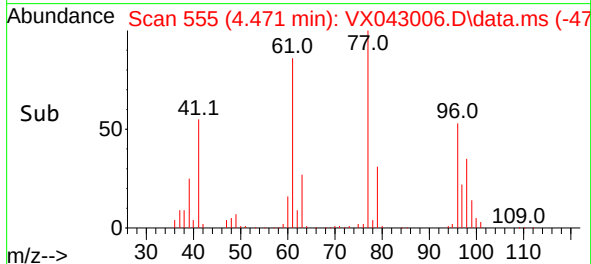
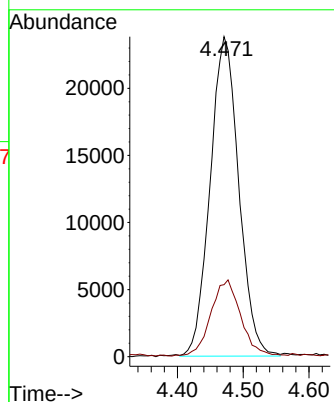
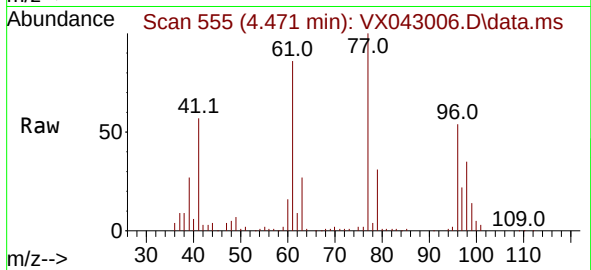




#31  
2,2-Dichloropropane  
Concen: 23.250 ug/l  
RT: 4.471 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

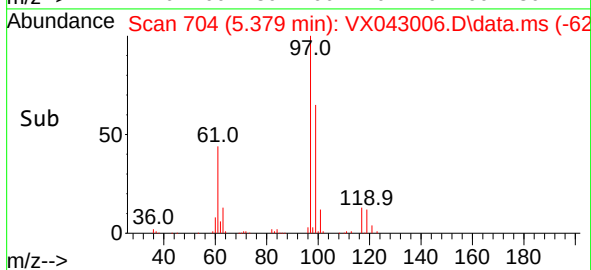
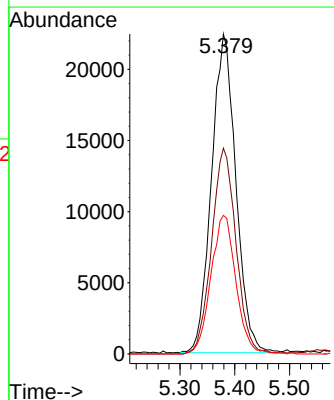
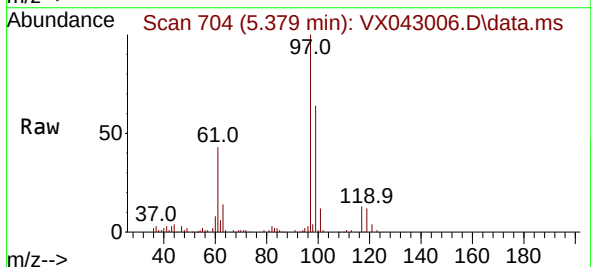
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

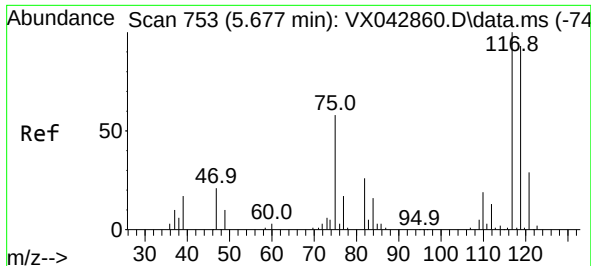
Tgt Ion: 77 Resp: 72242  
Ion Ratio Lower Upper  
77 100  
97 24.2 18.5 27.7



#32  
1,1,1-Trichloroethane  
Concen: 19.639 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 97 Resp: 69237  
Ion Ratio Lower Upper  
97 100  
99 64.2 52.2 78.2  
61 44.5 34.3 51.5

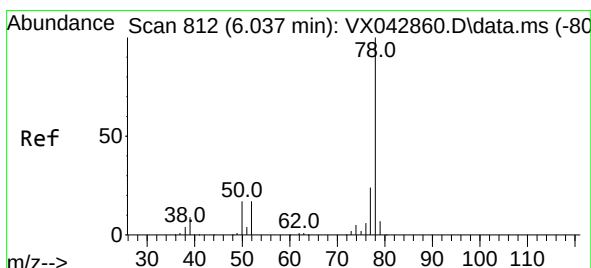
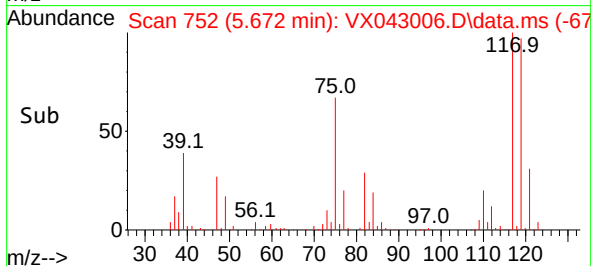
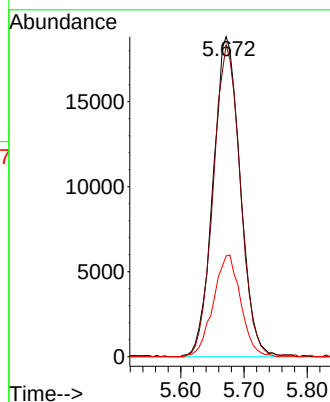
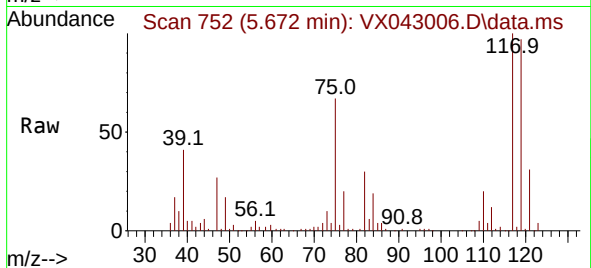




#33  
Carbon Tetrachloride  
Concen: 18.815 ug/l  
RT: 5.672 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

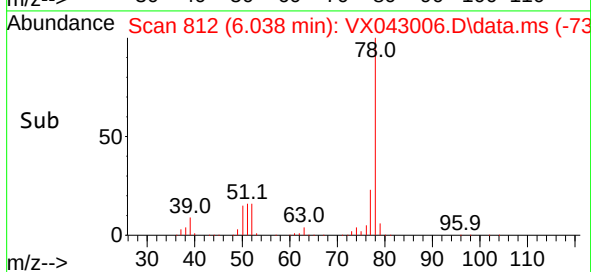
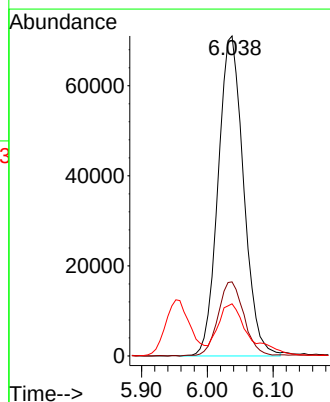
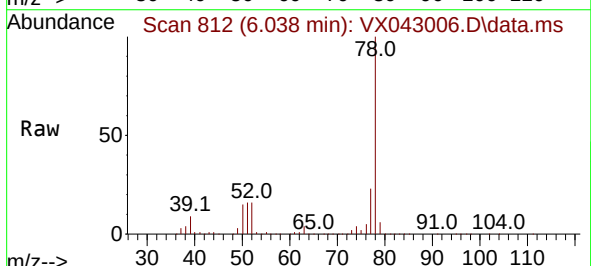
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

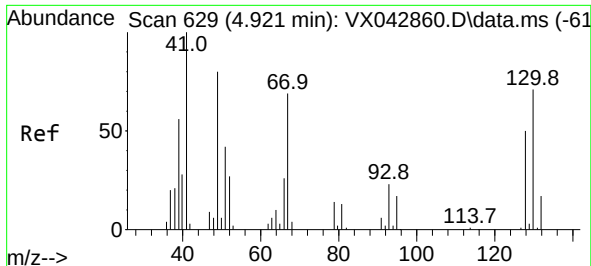
Tgt Ion:117 Resp: 56041  
Ion Ratio Lower Upper  
117 100  
119 97.5 75.7 113.5  
121 31.5 23.3 34.9



#34  
Benzene  
Concen: 22.614 ug/l  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 78 Resp: 191517  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.4 29.2  
51 14.7 13.5 20.3

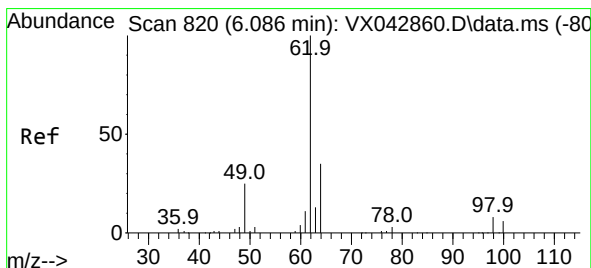
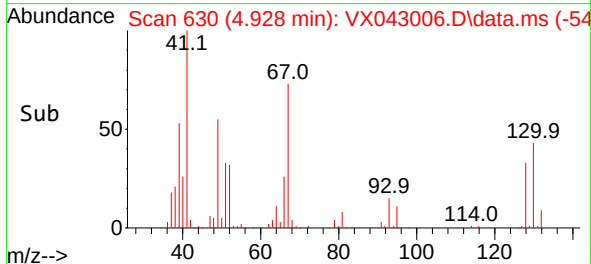
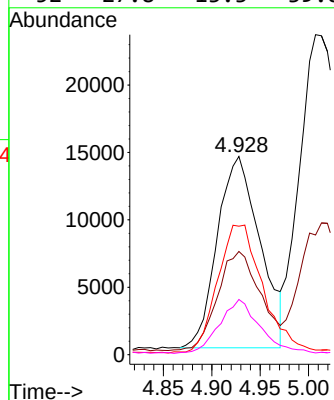
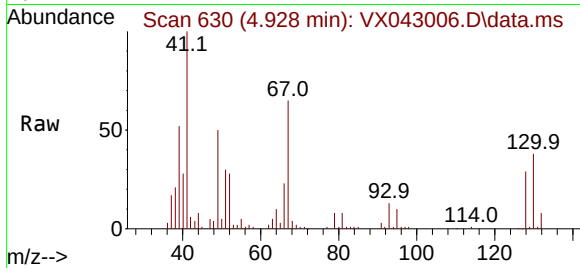




#35  
Methacrylonitrile  
Concen: 23.588 ug/l  
RT: 4.928 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

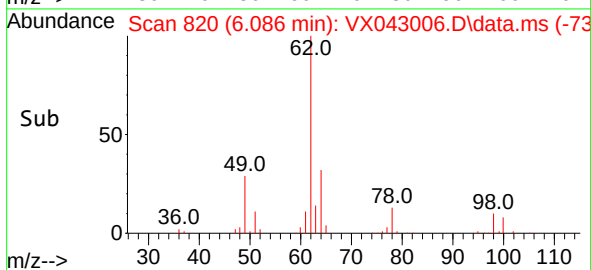
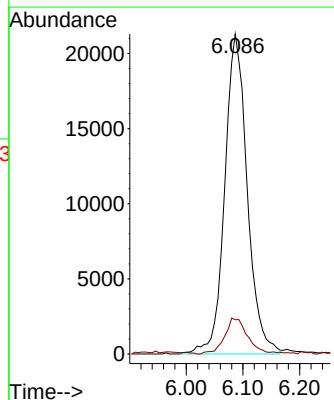
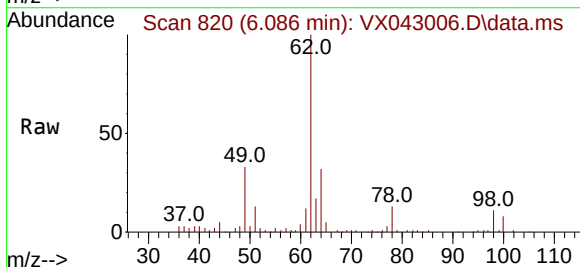
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

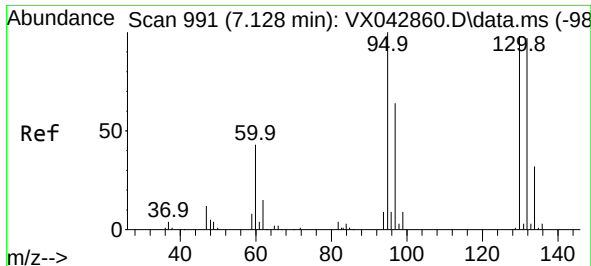
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 43640 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.3  | 28.1  | 84.2  |
| 67       | 65.7  | 34.4  | 103.1 |
| 52       | 27.8  | 13.3  | 39.8  |



#36  
1,2-Dichloroethane  
Concen: 19.594 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 58668 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.2  | 6.8   | 10.2  |

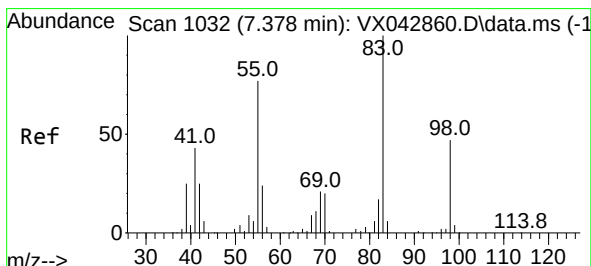
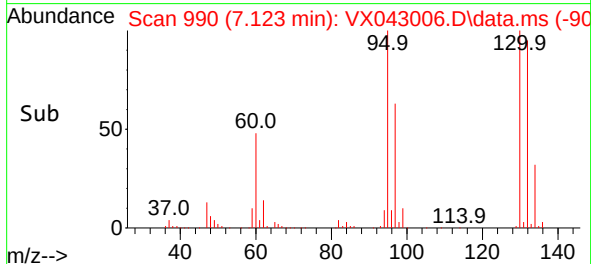
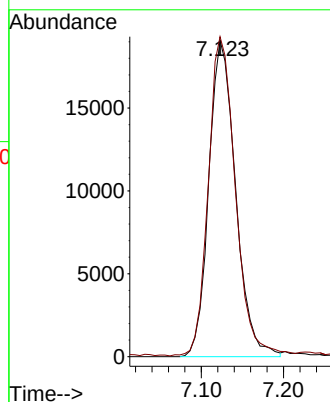
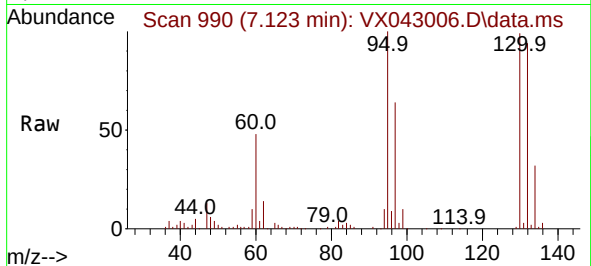




#37  
Trichloroethene  
Concen: 20.642 ug/l  
RT: 7.123 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

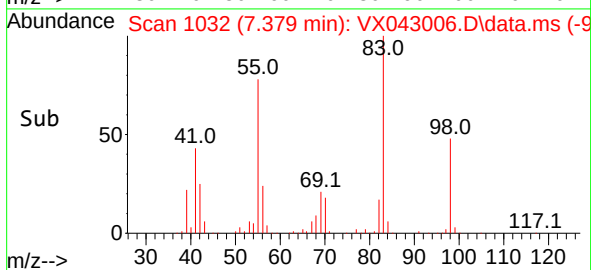
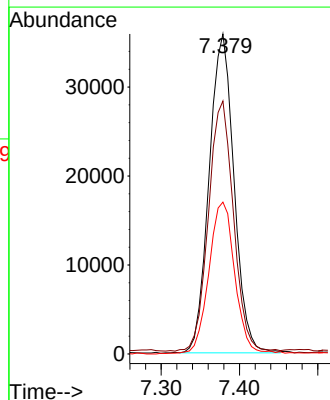
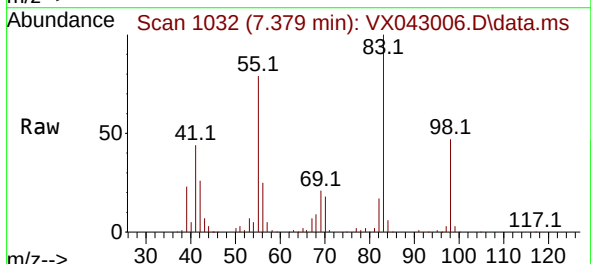
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

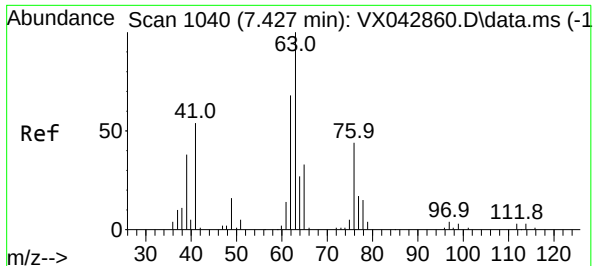
Tgt Ion:130 Resp: 43124  
Ion Ratio Lower Upper  
130 100  
95 100.5 81.4 122.2



#38  
Methylcyclohexane  
Concen: 23.681 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 83 Resp: 79062  
Ion Ratio Lower Upper  
83 100  
55 78.4 38.0 113.9  
98 49.1 23.4 70.2





#39

1,2-Dichloropropane

Concen: 22.347 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

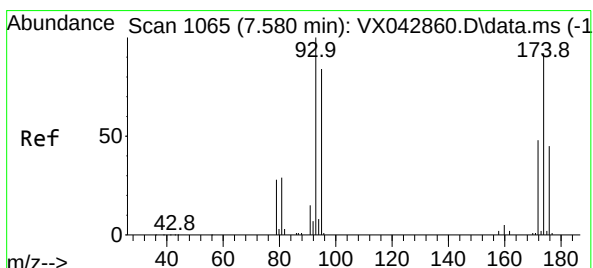
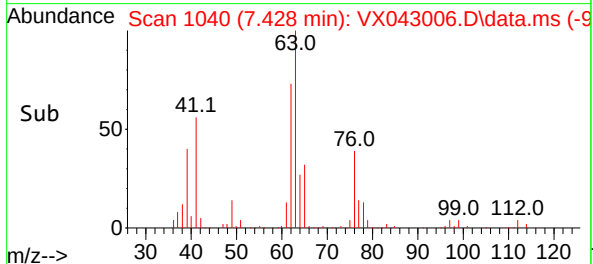
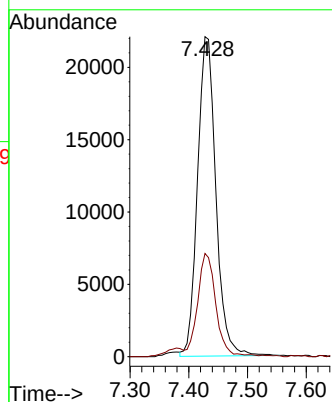
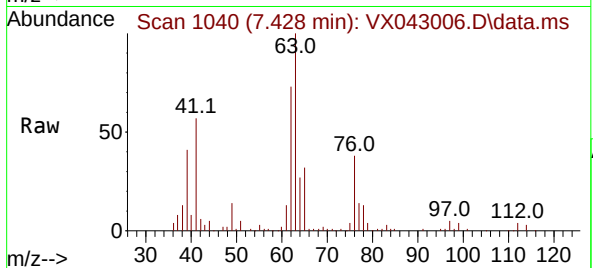
VSTDICCC020

Tgt Ion: 63 Resp: 47943

Ion Ratio Lower Upper

63 100

65 32.1 26.6 39.8



#40

Dibromomethane

Concen: 20.230 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

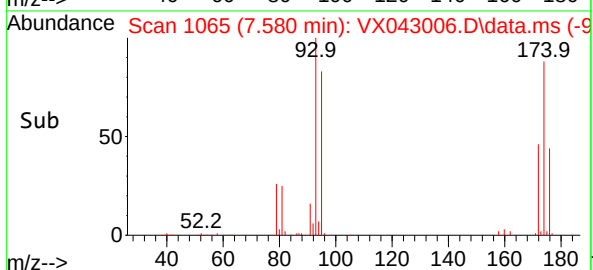
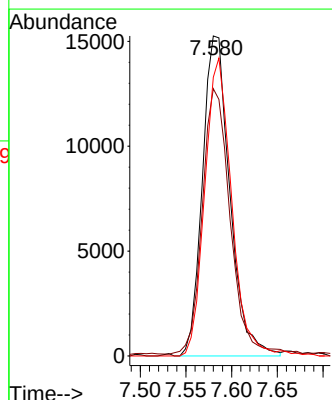
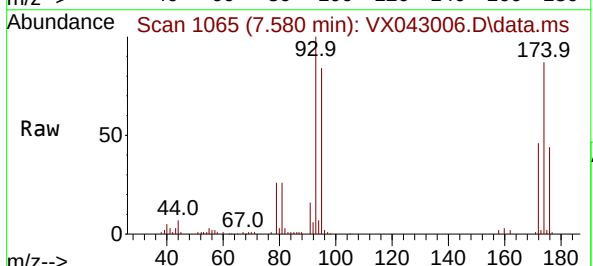
Tgt Ion: 93 Resp: 31814

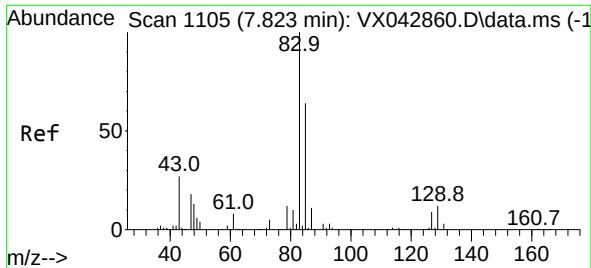
Ion Ratio Lower Upper

93 100

95 83.3 0.0 161.8

174 90.6 0.0 194.0

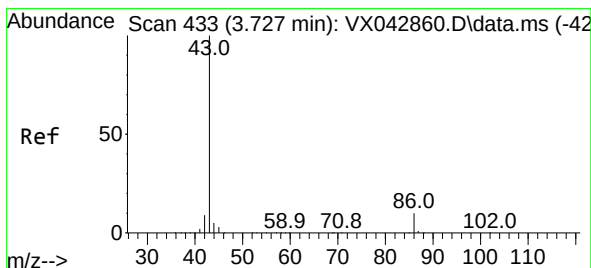
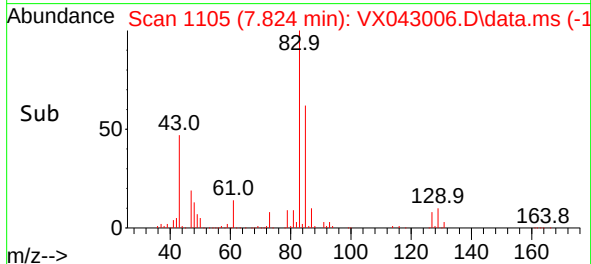
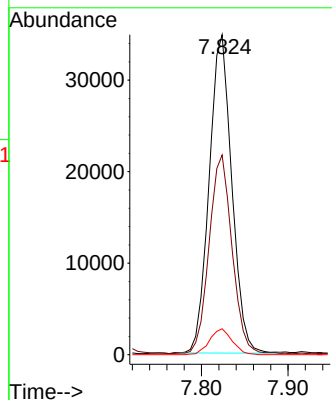
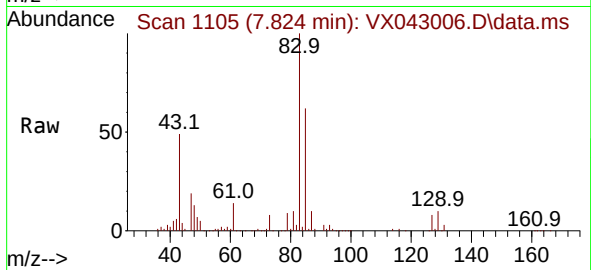




#41  
Bromodichloromethane  
Concen: 20.195 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

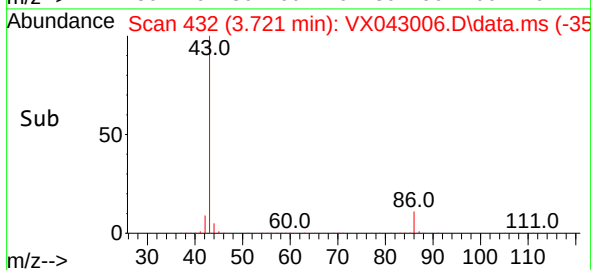
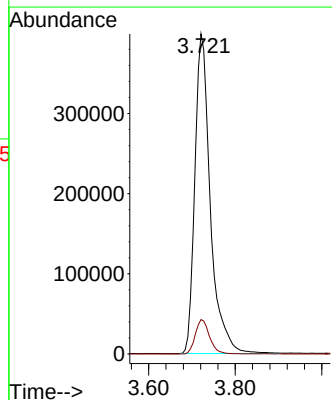
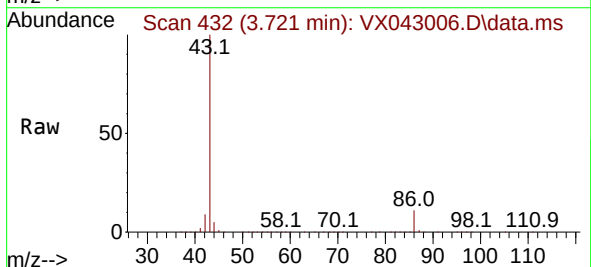
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 83 Resp: 63117  
Ion Ratio Lower Upper  
83 100  
85 62.3 50.8 76.2  
127 8.1 6.9 10.3

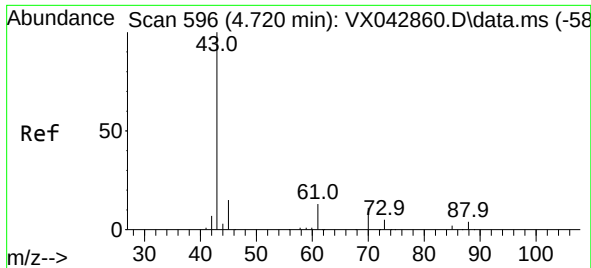


#42  
Vinyl Acetate  
Concen: 154.723 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 43 Resp: 988065  
Ion Ratio Lower Upper  
43 100  
86 9.9 7.2 10.8



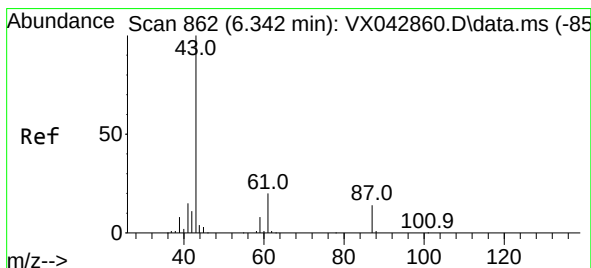
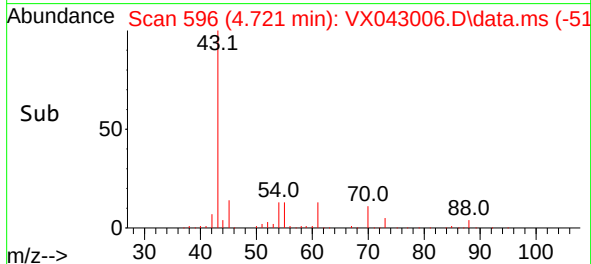
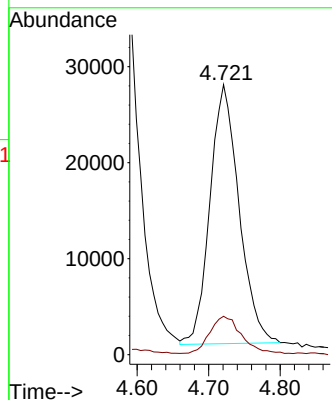
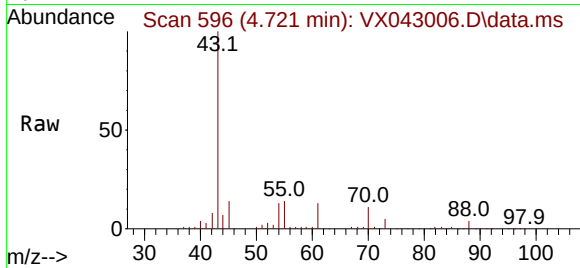




#43  
Ethyl Acetate  
Concen: 23.186 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

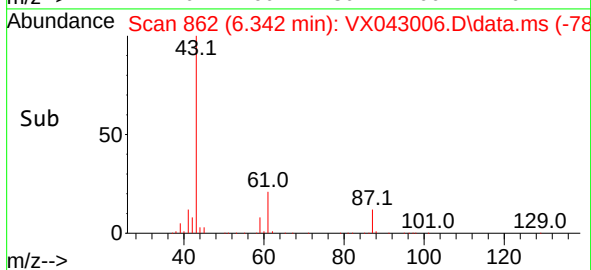
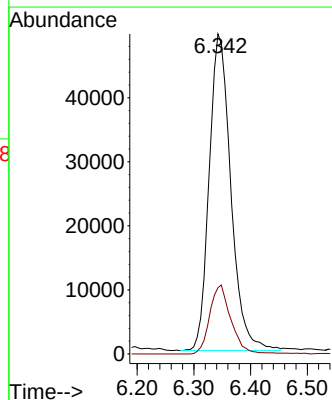
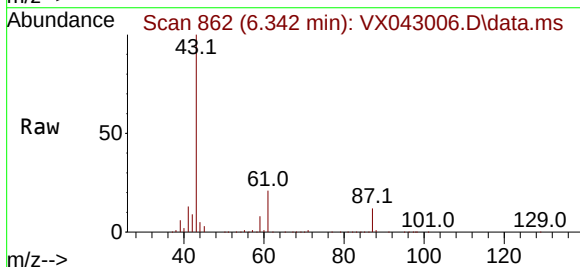
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

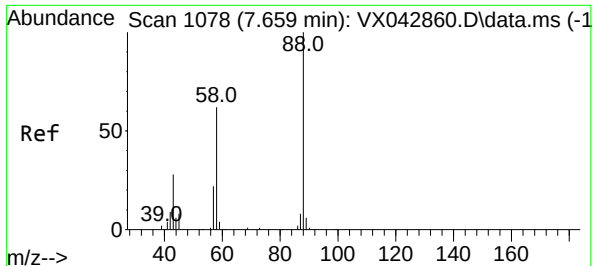
Tgt Ion: 43 Resp: 76338  
Ion Ratio Lower Upper  
43 100  
45 15.5 12.5 18.7



#44  
Isopropyl Acetate  
Concen: 24.534 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 43 Resp: 131576  
Ion Ratio Lower Upper  
43 100  
61 21.1 15.4 23.0

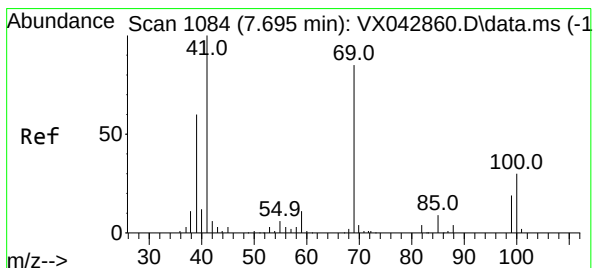
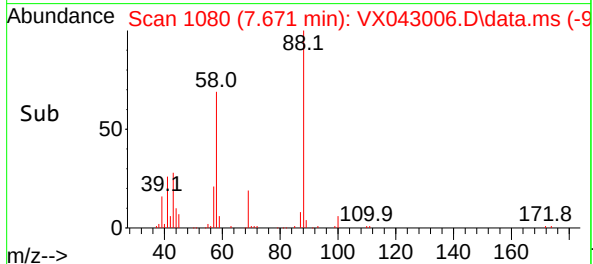
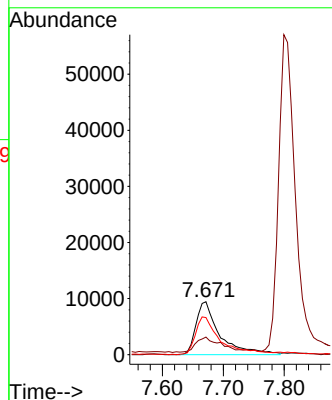
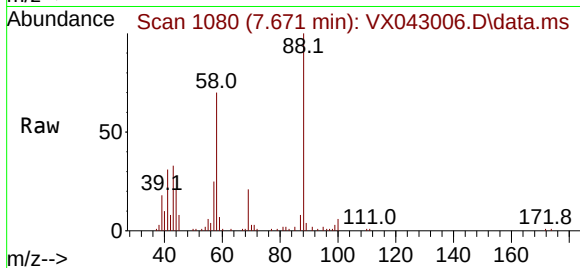




#45  
1,4-Dioxane  
Concen: 466.310 ug/l  
RT: 7.671 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

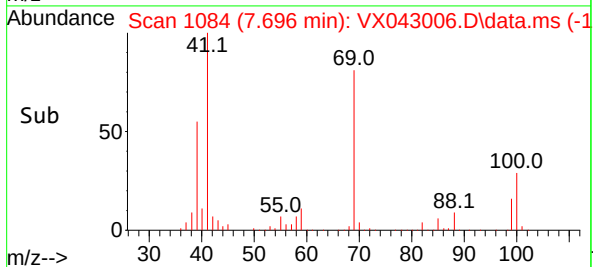
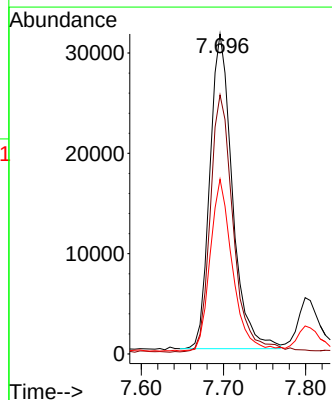
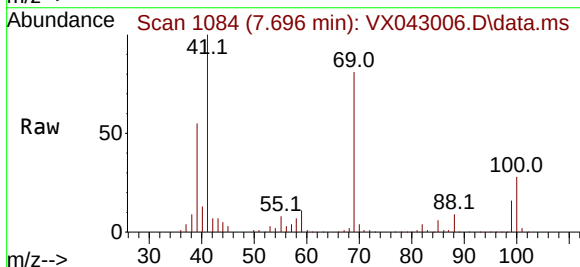
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

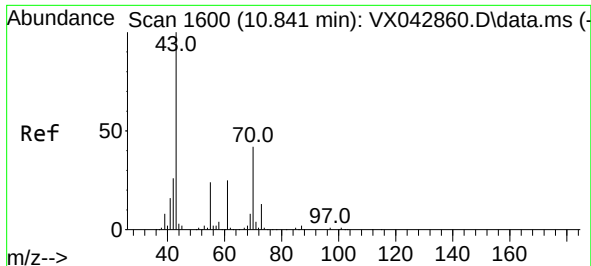
Tgt Ion: 88 Resp: 25569  
Ion Ratio Lower Upper  
88 100  
43 20.9 25.8 38.6#  
58 70.1 55.5 83.3



#46  
Methyl methacrylate  
Concen: 22.925 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 41 Resp: 59851  
Ion Ratio Lower Upper  
41 100  
69 81.6 42.4 127.1  
39 54.6 29.9 89.7

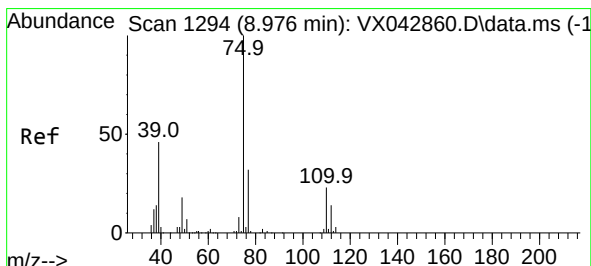
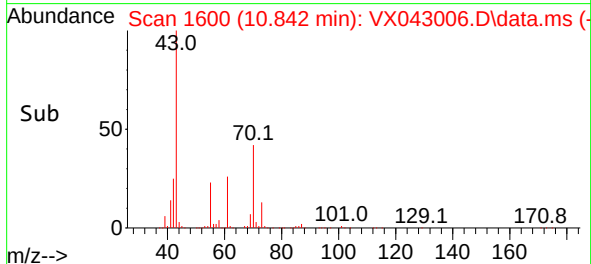
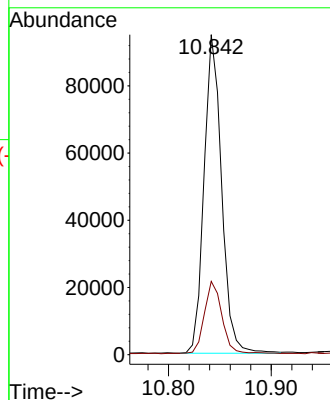
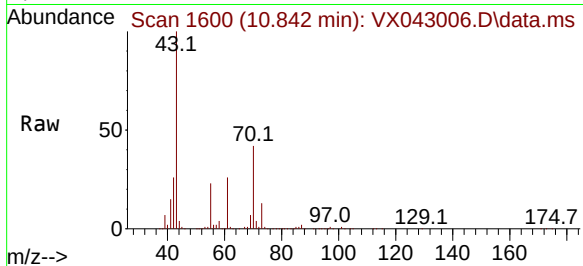




#47  
n-amy1 Acetate  
Concen: 24.356 ug/l  
RT: 10.842 min Scan# 112893  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

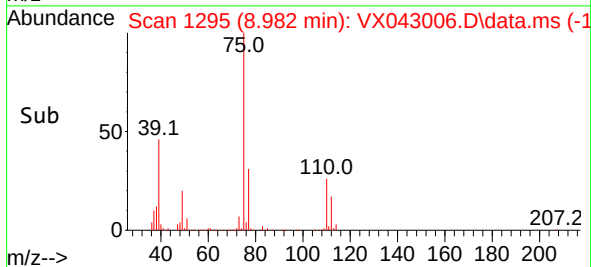
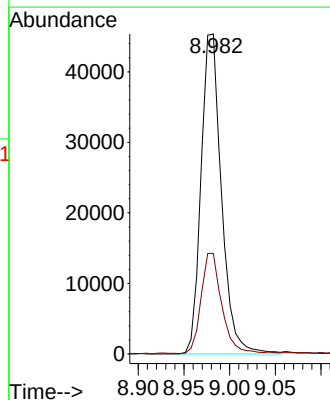
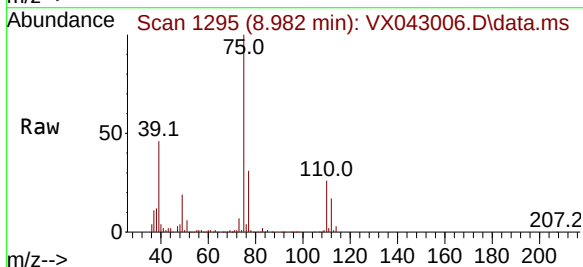
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

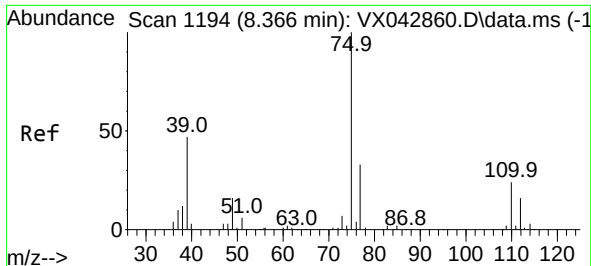
Tgt Ion: 43 Resp: 112893  
Ion Ratio Lower Upper  
43 100  
55 21.9 19.6 29.4



#48  
t-1,3-Dichloropropene  
Concen: 22.847 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 75 Resp: 70572  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 23.040 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

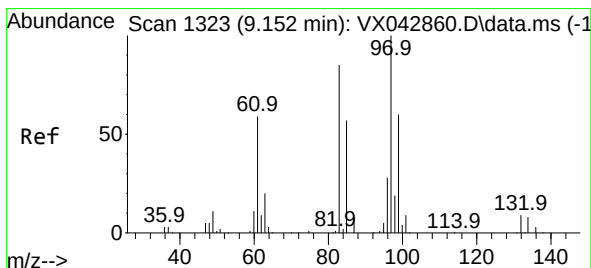
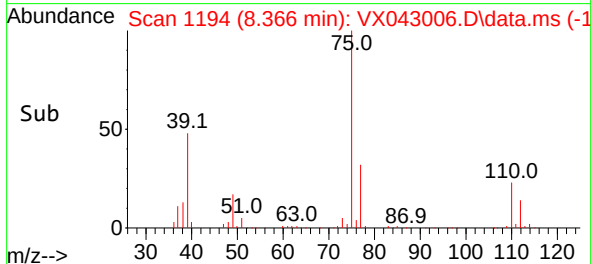
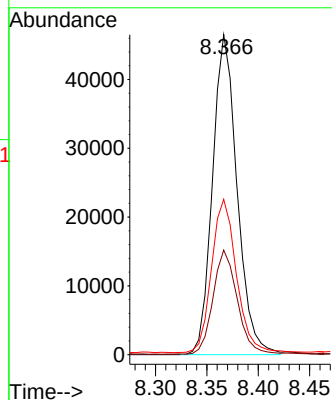
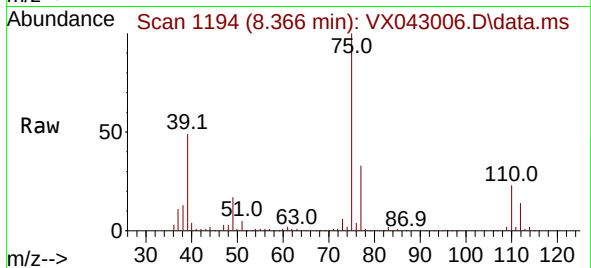
Tgt Ion: 75 Resp: 77329

Ion Ratio Lower Upper

75 100

77 32.4 26.8 40.2

39 47.8 37.5 56.3



#50

1,1,2-Trichloroethane

Concen: 20.565 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Tgt Ion: 97 Resp: 44193

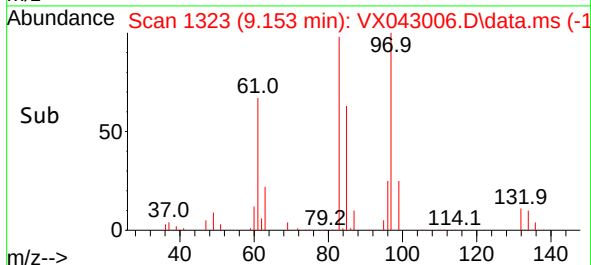
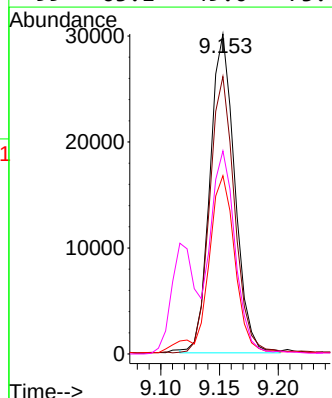
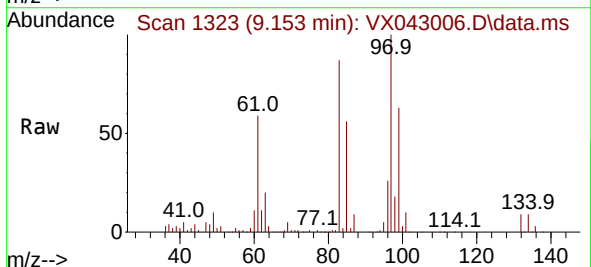
Ion Ratio Lower Upper

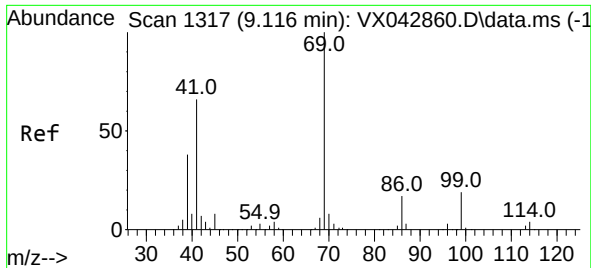
97 100

83 87.0 68.2 102.2

85 55.6 45.4 68.0

99 63.1 49.0 73.4

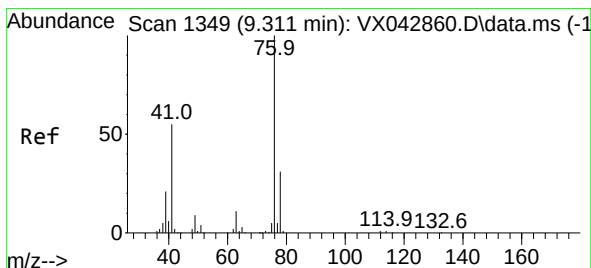
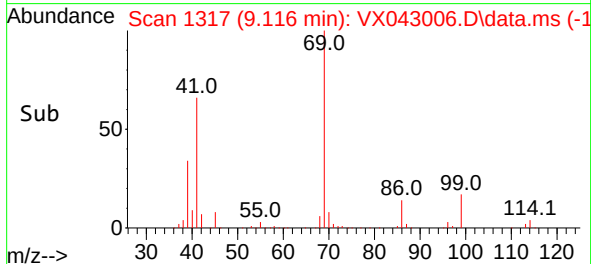
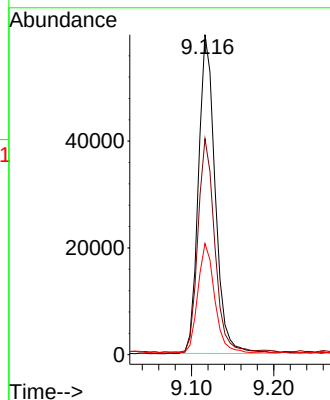
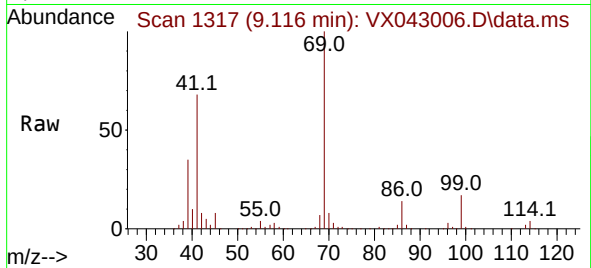




#51  
Ethyl methacrylate  
Concen: 23.086 ug/l  
RT: 9.116 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

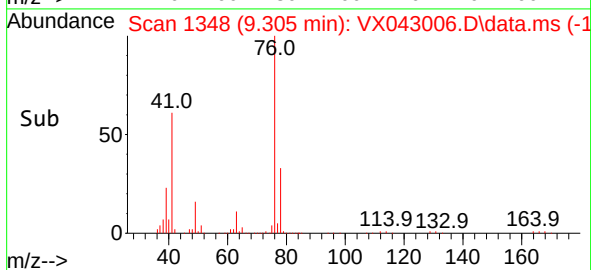
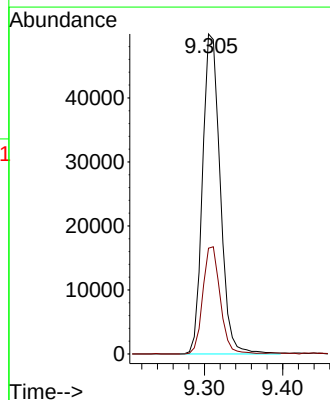
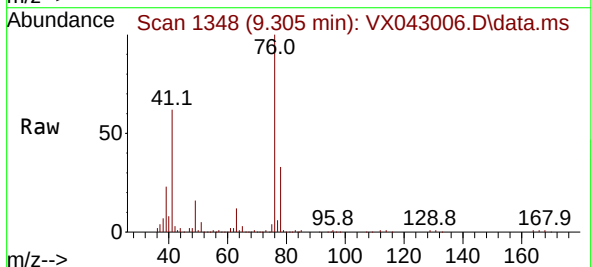
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

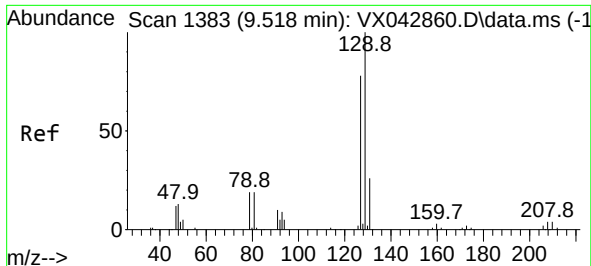
Tgt Ion: 69 Resp: 84546  
Ion Ratio Lower Upper  
69 100  
41 67.0 33.1 99.2  
39 34.2 18.8 56.3



#52  
1,3-Dichloropropane  
Concen: 21.810 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 76 Resp: 78161  
Ion Ratio Lower Upper  
76 100  
78 33.0 0.0 64.8

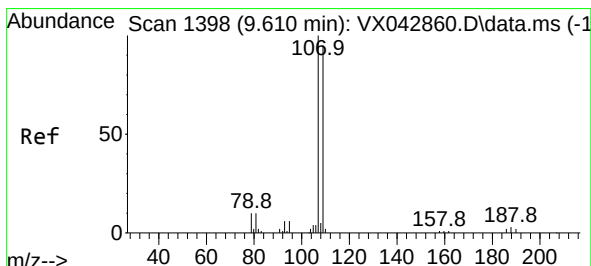
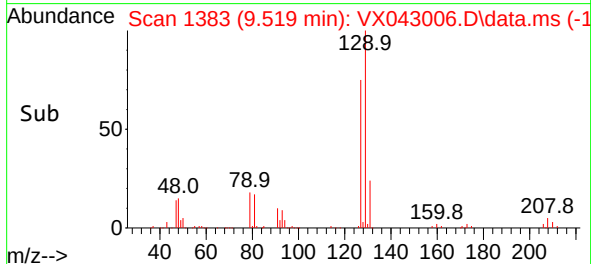
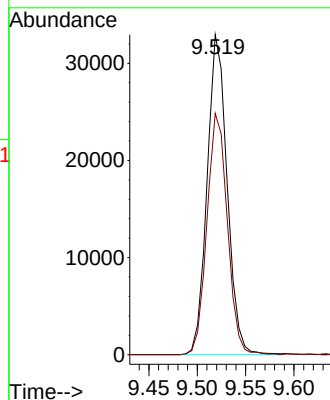
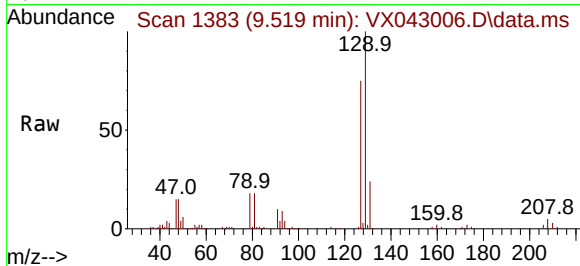




#53  
Dibromochloromethane  
Concen: 19.153 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

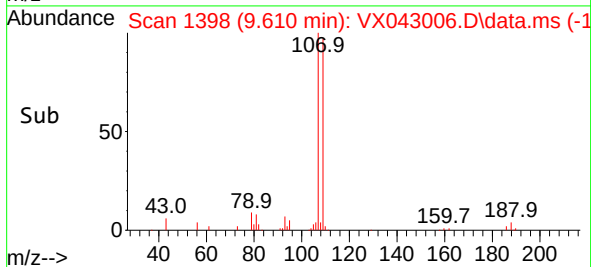
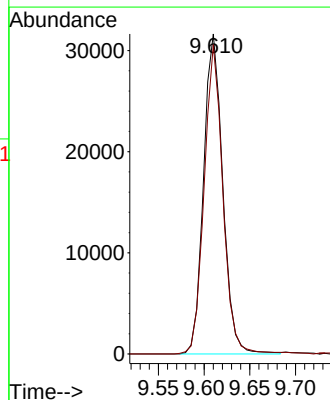
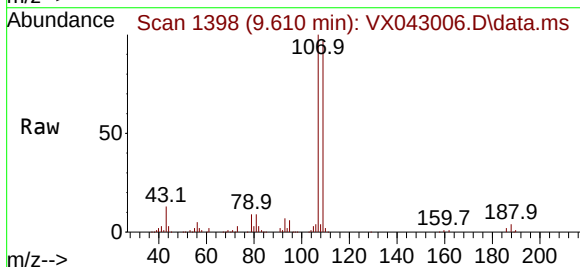
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

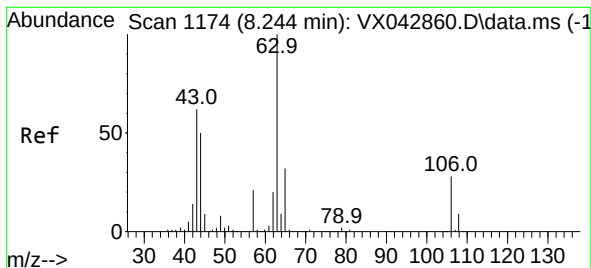
Tgt Ion:129 Resp: 47413  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.5 115.3



#54  
1,2-Dibromoethane  
Concen: 20.579 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion:107 Resp: 46057  
Ion Ratio Lower Upper  
107 100  
109 94.3 74.2 111.4





#55

2-Chloroethyl vinyl ether

Concen: 117.942 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

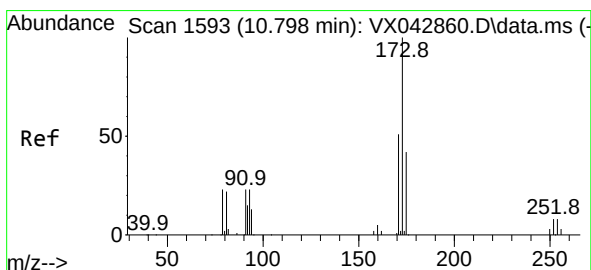
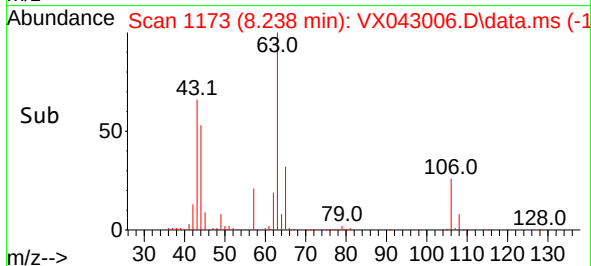
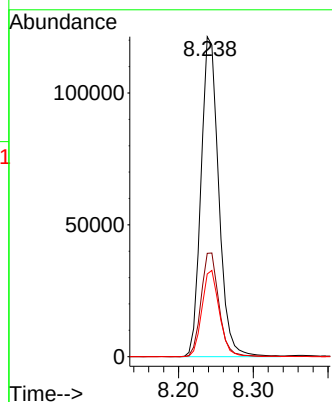
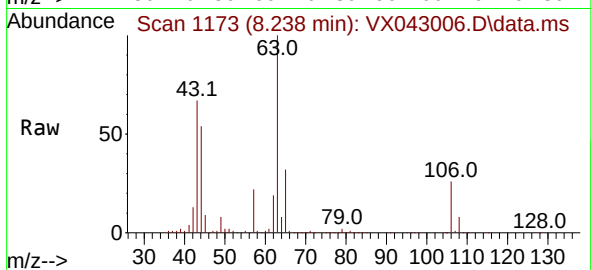
Tgt Ion: 63 Resp: 199879

Ion Ratio Lower Upper

63 100

65 32.6 26.3 39.5

106 26.4 21.8 32.6



#56

Bromoform

Concen: 18.672 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

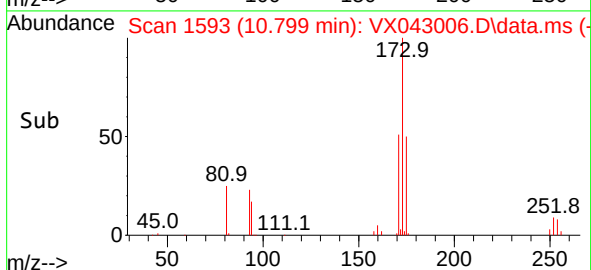
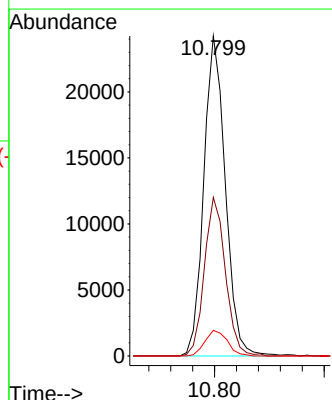
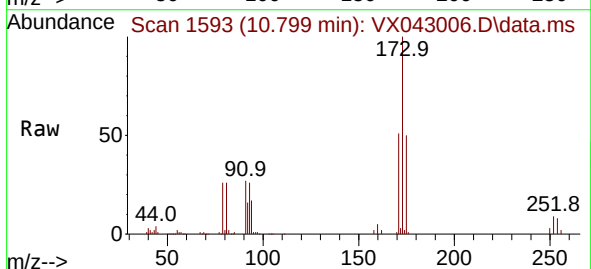
Tgt Ion: 173 Resp: 33008

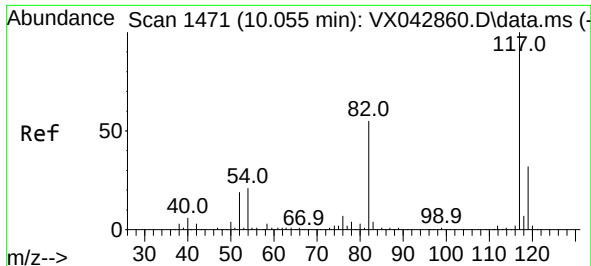
Ion Ratio Lower Upper

173 100

175 48.5 37.1 55.7

254 8.4 6.6 10.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

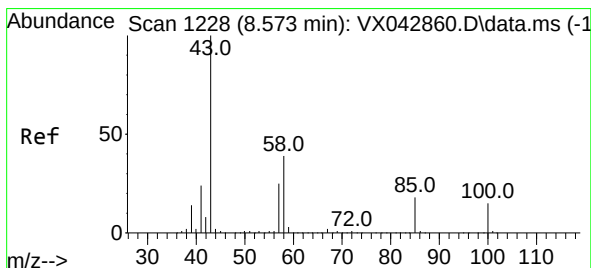
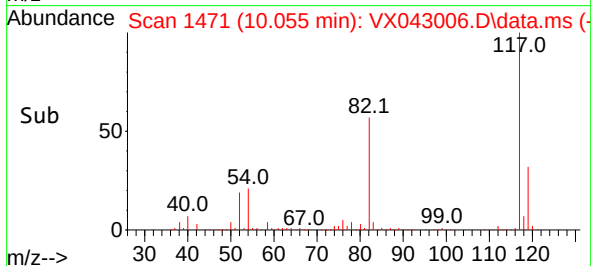
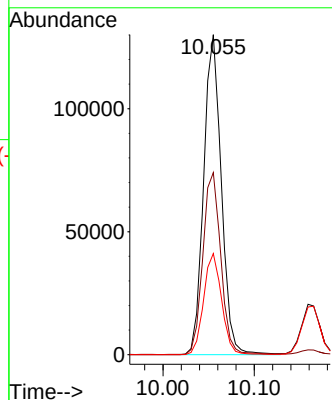
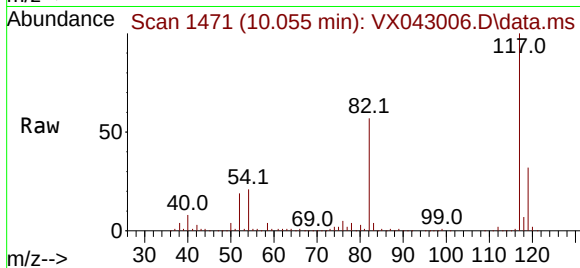
Tgt Ion:117 Resp: 174786

Ion Ratio Lower Upper

117 100

82 57.8 44.9 67.3

119 32.2 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 118.245 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

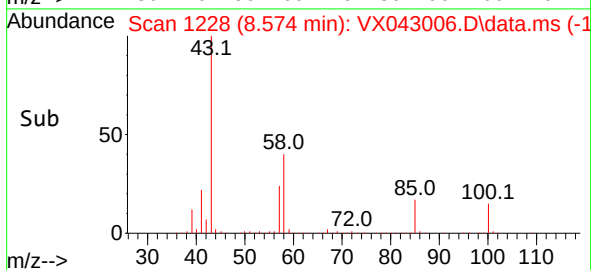
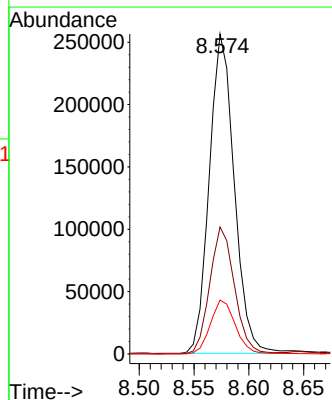
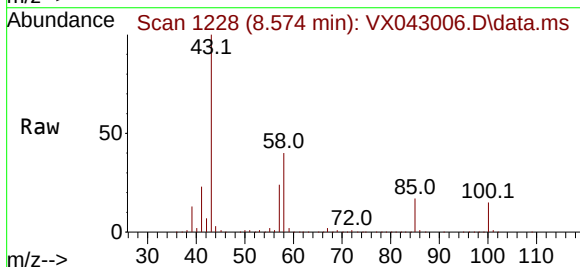
Tgt Ion: 43 Resp: 405504

Ion Ratio Lower Upper

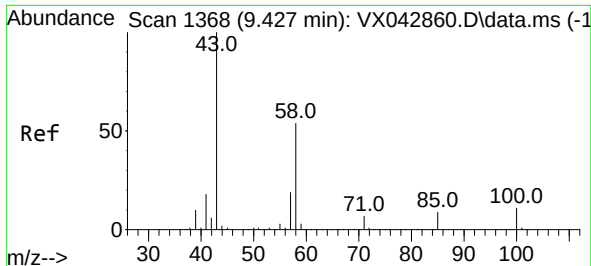
43 100

58 39.3 31.4 47.0

85 16.8 14.6 21.8



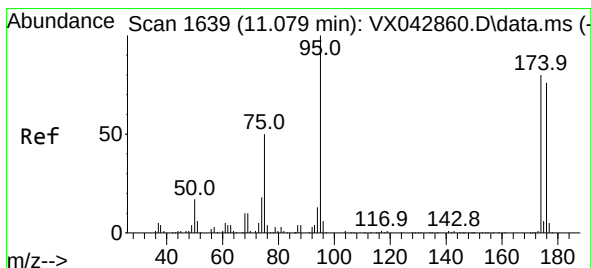
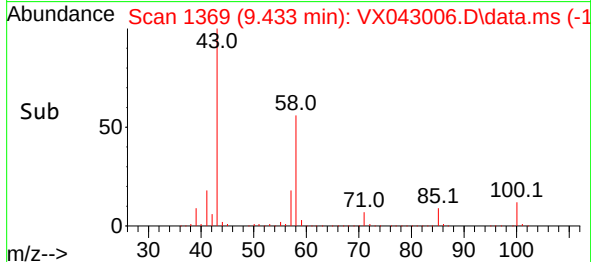
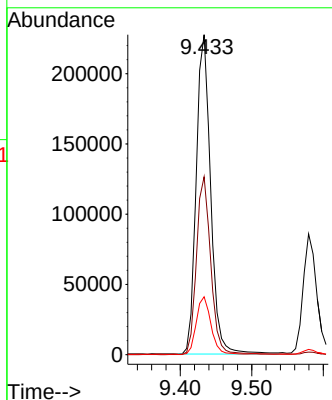
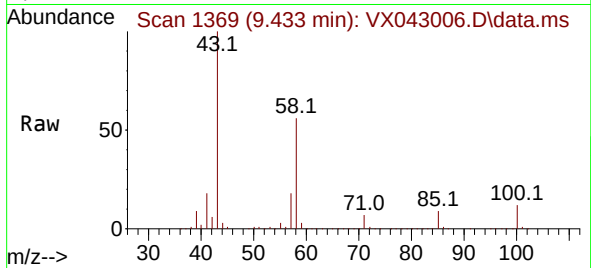




#59  
2-Hexanone  
Concen: 117.271 ug/l  
RT: 9.433 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

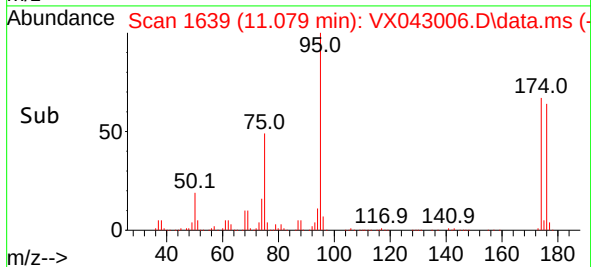
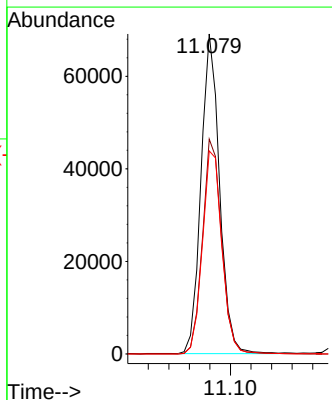
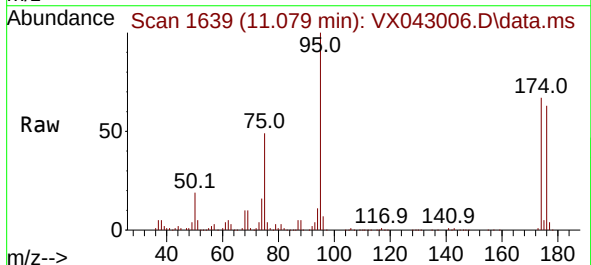
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

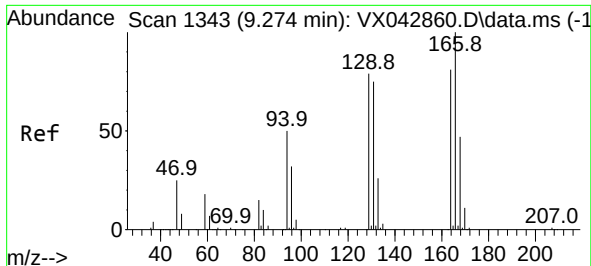
Tgt Ion: 43 Resp: 318802  
Ion Ratio Lower Upper  
43 100  
58 55.1 43.5 65.3  
57 18.3 15.0 22.6



#60  
4-Bromofluorobenzene  
Concen: 30.291 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 95 Resp: 86712  
Ion Ratio Lower Upper  
95 100  
174 69.2 65.0 97.6  
176 67.0 63.4 95.0

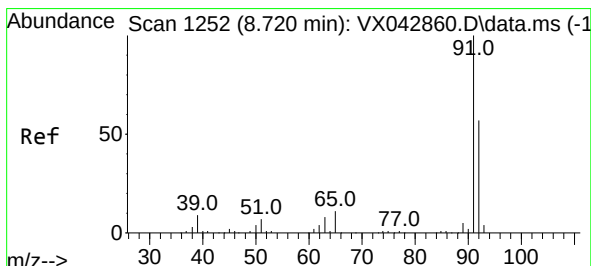
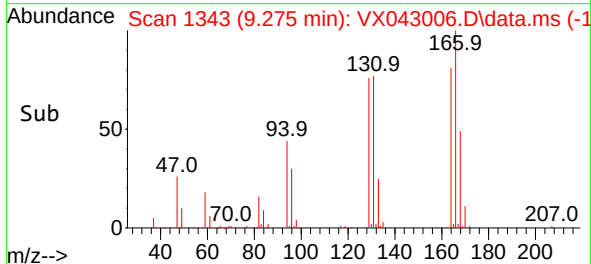
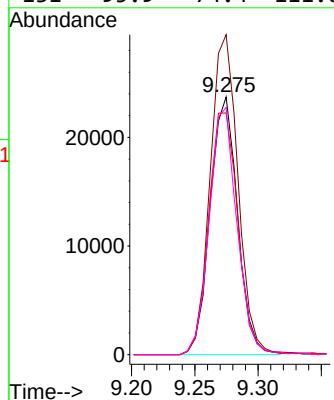
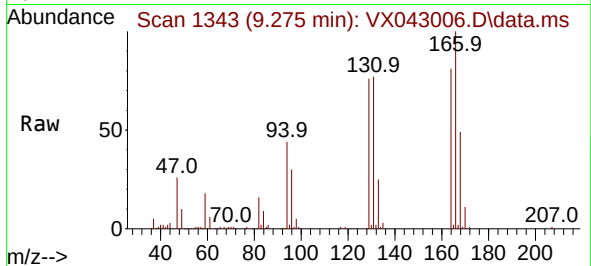




#61  
Tetrachloroethene  
Concen: 20.503 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

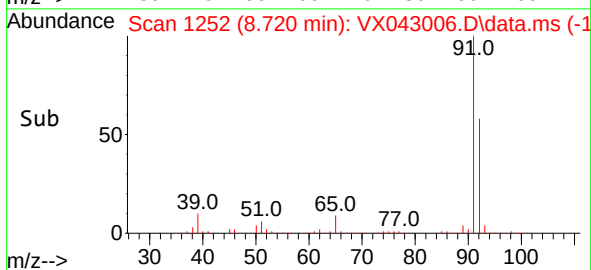
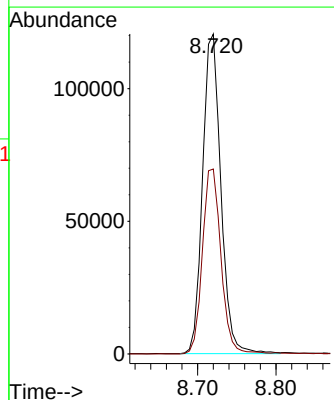
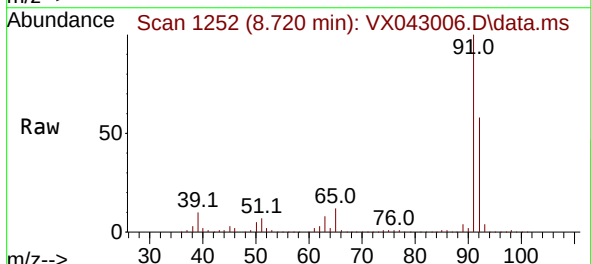
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

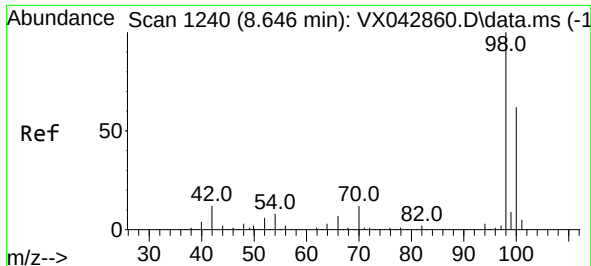
Tgt Ion:164 Resp: 35812  
Ion Ratio Lower Upper  
164 100  
166 124.1 98.6 147.8  
129 93.8 77.4 116.0  
131 95.9 74.4 111.6



#62  
Toluene  
Concen: 22.183 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 91 Resp: 195706  
Ion Ratio Lower Upper  
91 100  
92 58.7 45.7 68.5

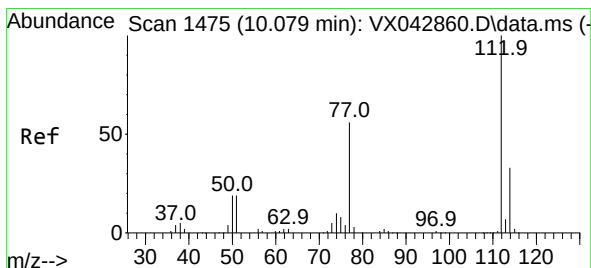
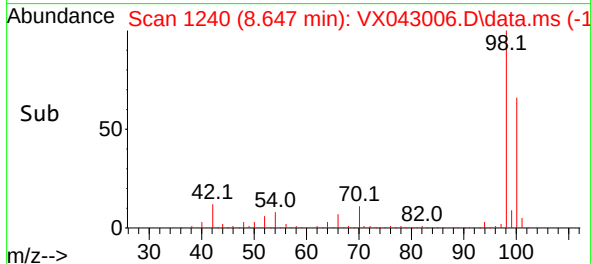
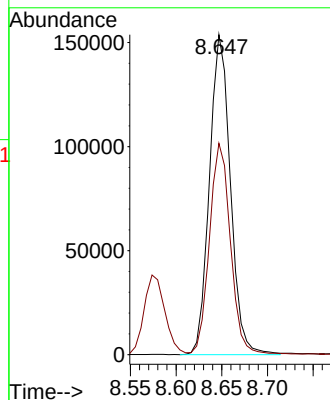
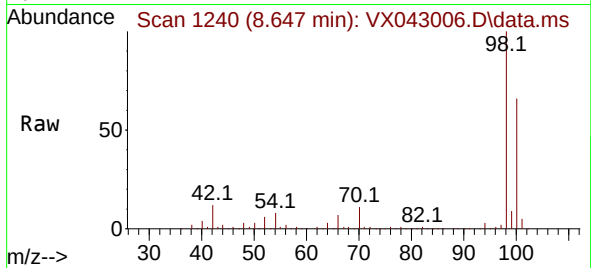




#63  
Toluene-d8  
Concen: 30.898 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

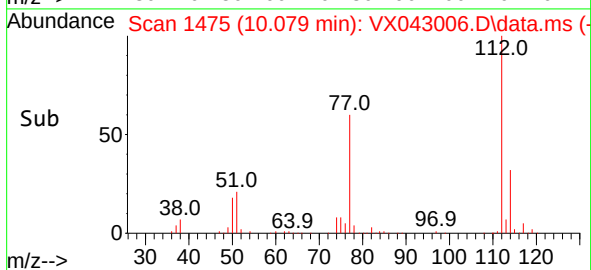
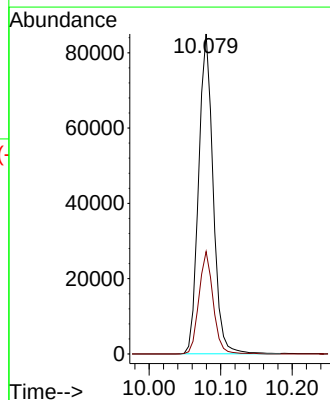
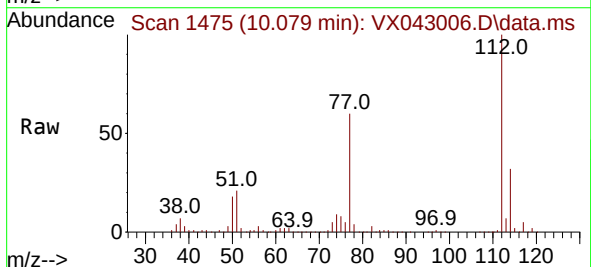
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

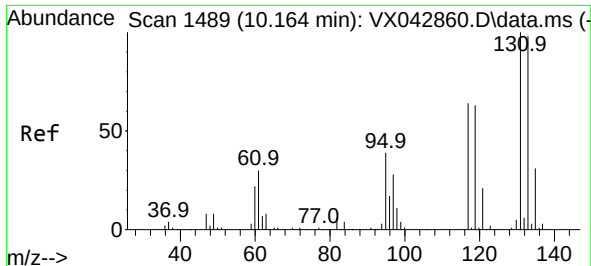
Tgt Ion: 98 Resp: 244873  
Ion Ratio Lower Upper  
98 100  
100 66.5 50.9 76.3



#64  
Chlorobenzene  
Concen: 21.381 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 112 Resp: 119341  
Ion Ratio Lower Upper  
112 100  
114 32.0 26.3 39.5

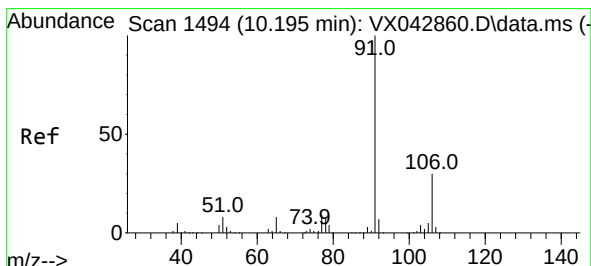
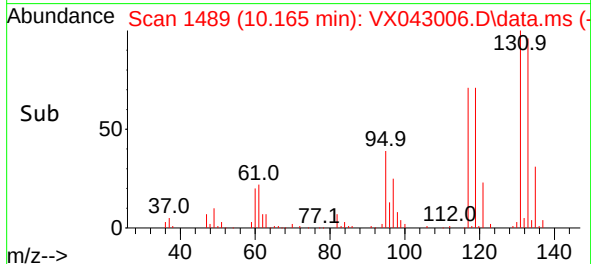
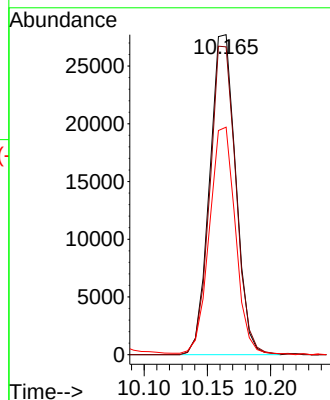
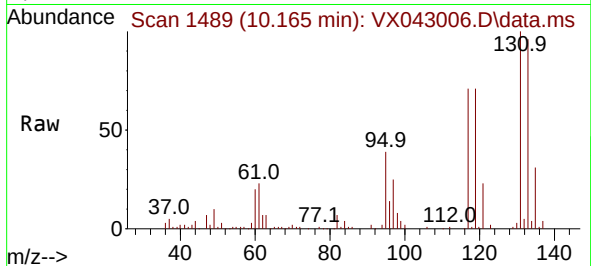




#65  
1,1,1,2-Tetrachloroethane  
Concen: 19.971 ug/l  
RT: 10.165 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

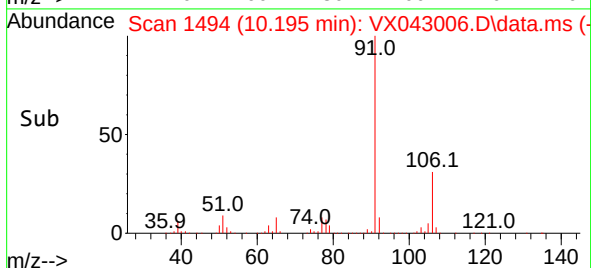
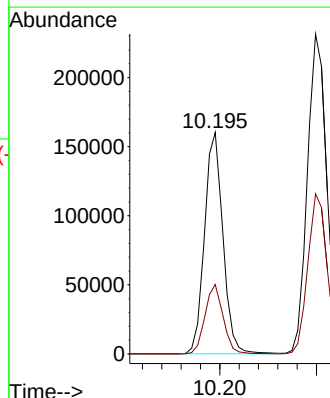
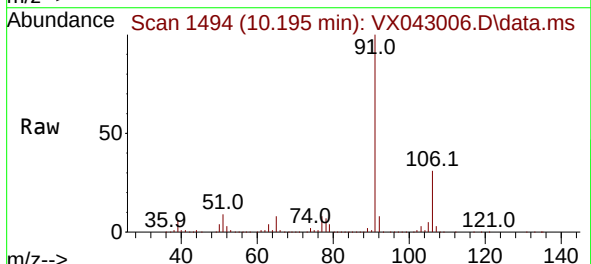
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

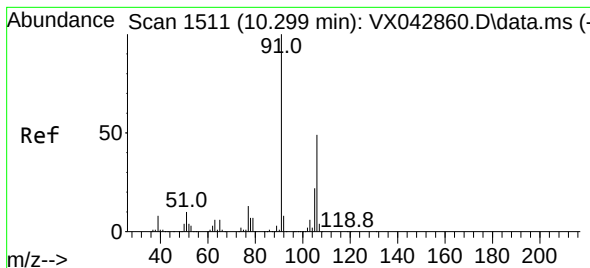
Tgt Ion:131 Resp: 39798  
Ion Ratio Lower Upper  
131 100  
133 96.2 0.0 188.2  
119 71.0 0.0 131.0



#66  
Ethyl Benzene  
Concen: 21.773 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 91 Resp: 212289  
Ion Ratio Lower Upper  
91 100  
106 31.3 23.8 35.8

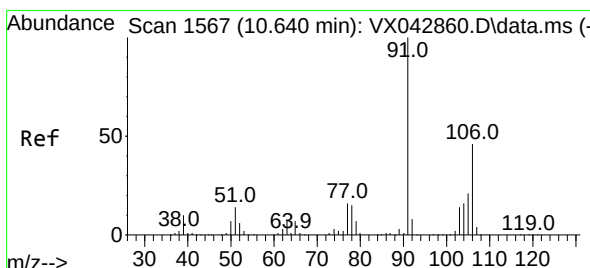
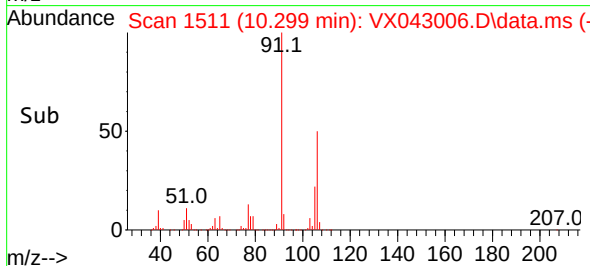
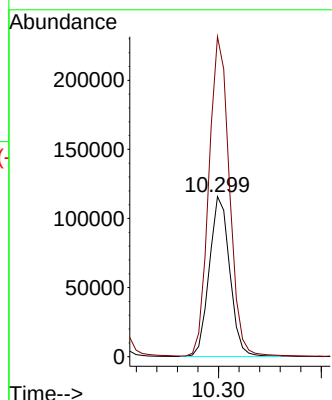
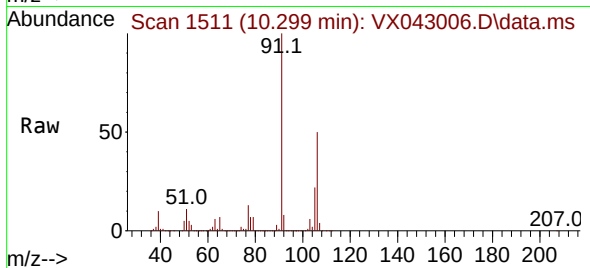




#67  
m/p-Xylenes  
Concen: 43.428 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

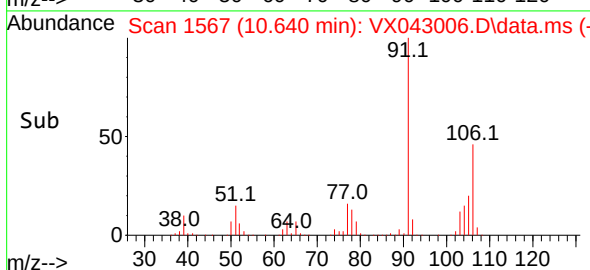
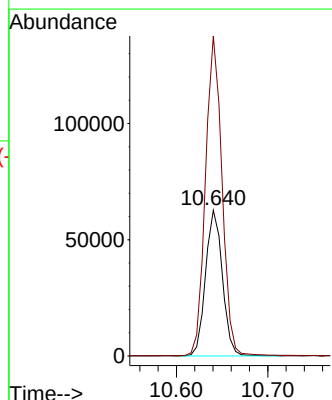
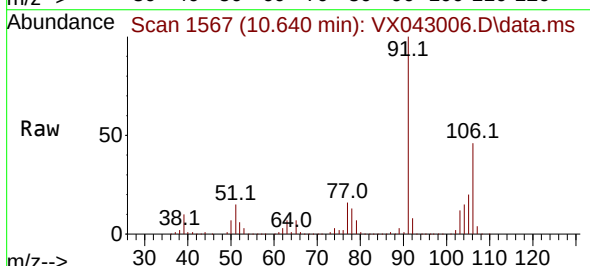
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

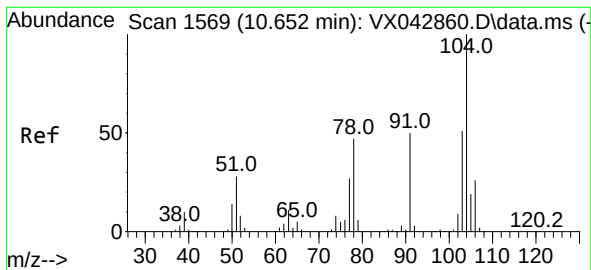
Tgt Ion:106 Resp: 160057  
Ion Ratio Lower Upper  
106 100  
91 201.8 165.3 247.9



#68  
o-Xylene  
Concen: 22.006 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion:106 Resp: 80168  
Ion Ratio Lower Upper  
106 100  
91 214.9 107.5 322.4





#69

Styrene

Concen: 21.408 ug/l

RT: 10.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

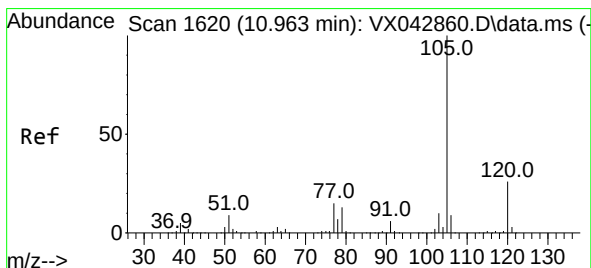
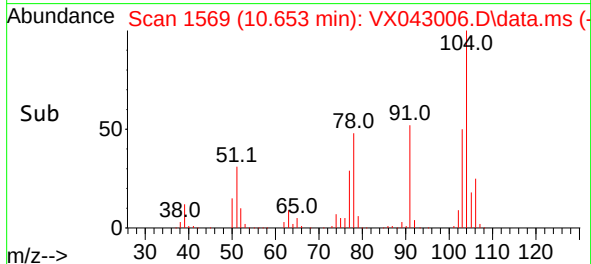
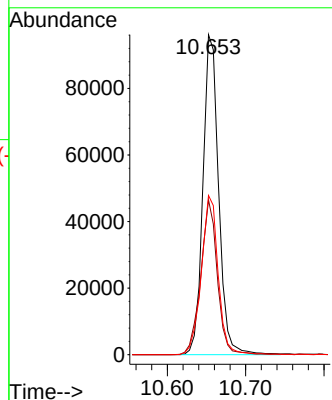
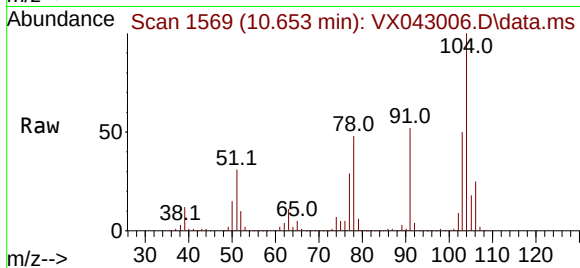
Tgt Ion:104 Resp: 133755

Ion Ratio Lower Upper

104 100

78 51.0 41.1 61.7

103 53.5 44.2 66.2



#70

Isopropylbenzene

Concen: 21.035 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX043006.D

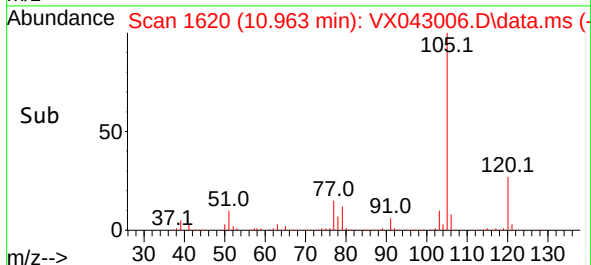
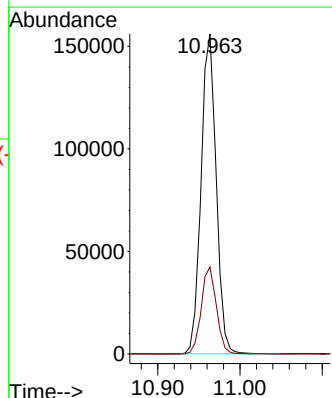
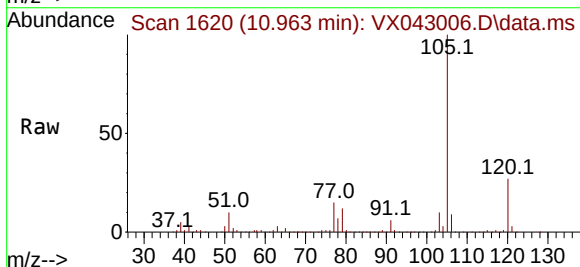
Acq: 13 Aug 2024 10:49

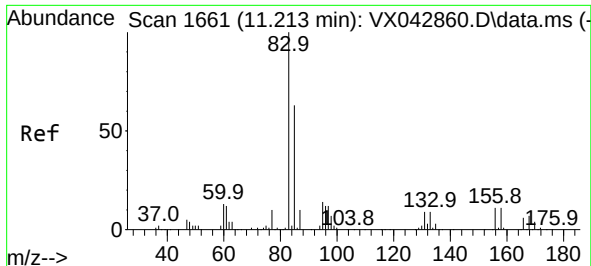
Tgt Ion:105 Resp: 199023

Ion Ratio Lower Upper

105 100

120 27.2 18.4 34.2

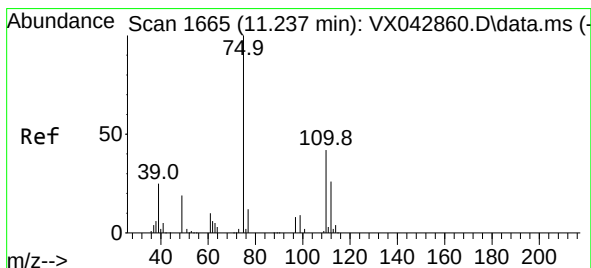
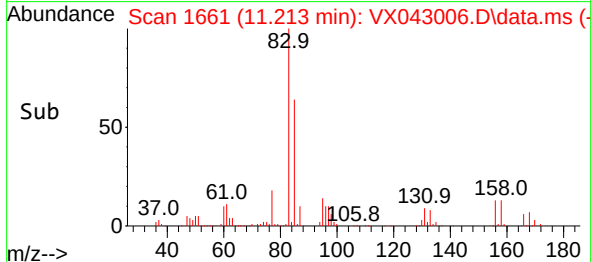
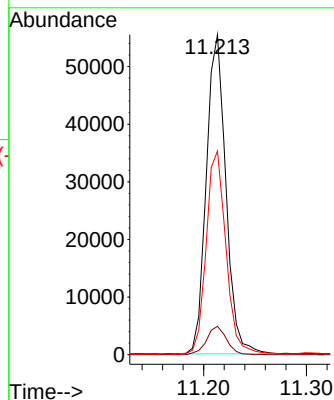
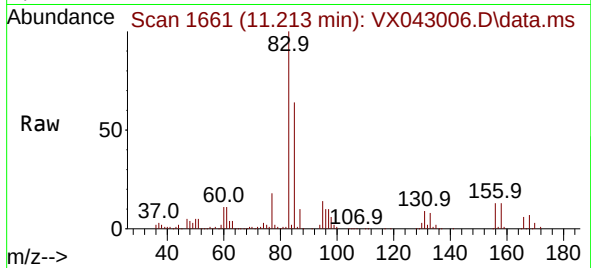




#71  
1,1,2,2-Tetrachloroethane  
Concen: 21.373 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

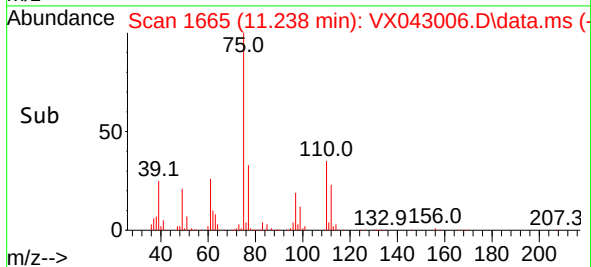
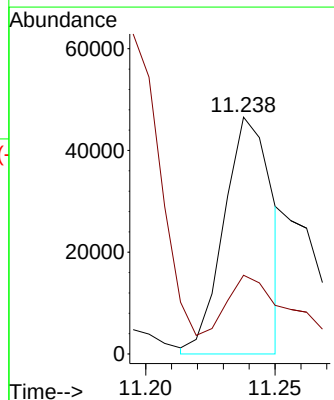
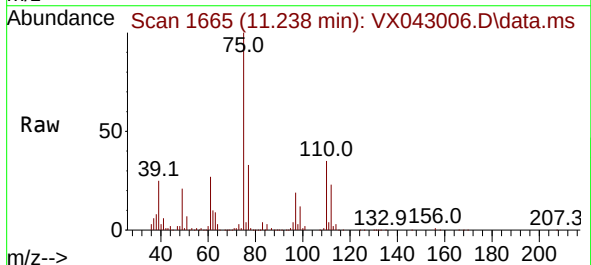
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

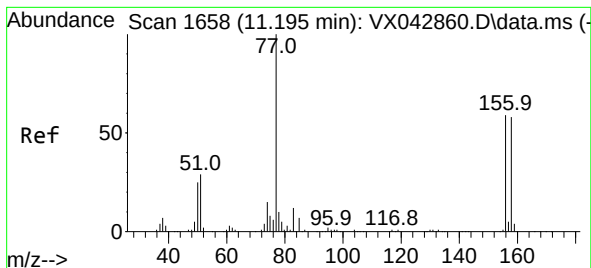
Tgt Ion: 83 Resp: 73308  
Ion Ratio Lower Upper  
83 100  
131 9.1 4.9 14.7  
85 64.8 32.0 96.2



#72  
1,2,3-Trichloropropane  
Concen: 19.420 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 75 Resp: 59978  
Ion Ratio Lower Upper  
75 100  
77 47.7 0.0 89.6





#73

Bromobenzene

Concen: 19.042 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

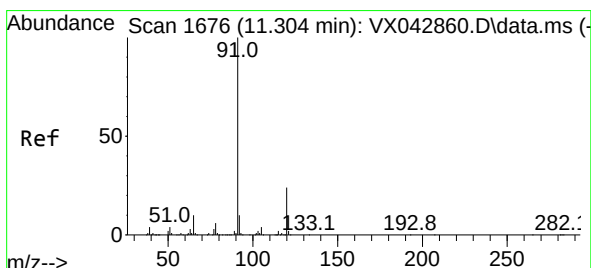
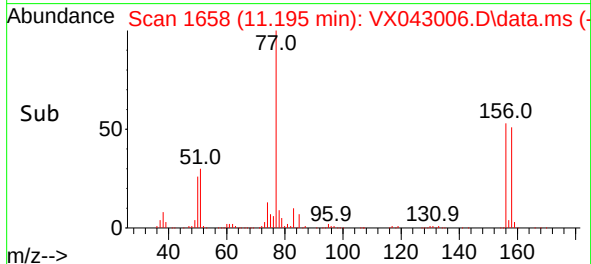
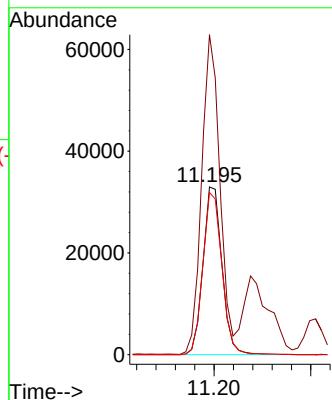
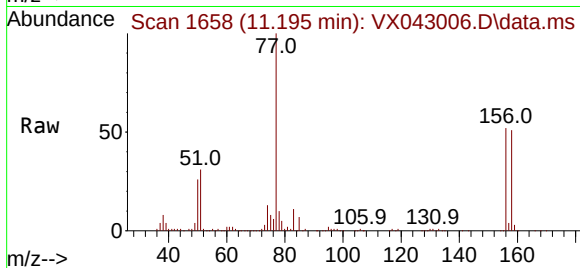
Tgt Ion:156 Resp: 45011

Ion Ratio Lower Upper

156 100

77 182.5 0.0 317.2

158 96.9 0.0 195.2



#74

n-propylbenzene

Concen: 20.816 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX043006.D

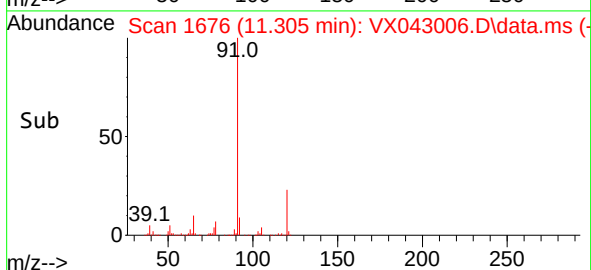
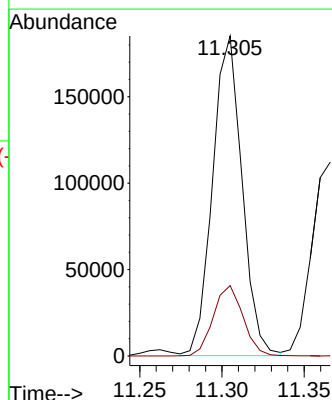
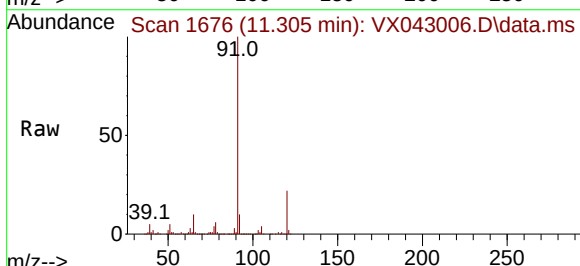
Acq: 13 Aug 2024 10:49

Tgt Ion: 91 Resp: 230094

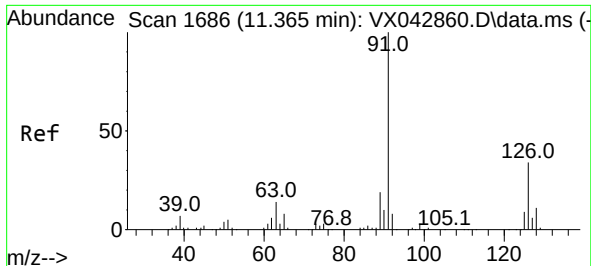
Ion Ratio Lower Upper

91 100

120 22.3 0.0 45.8



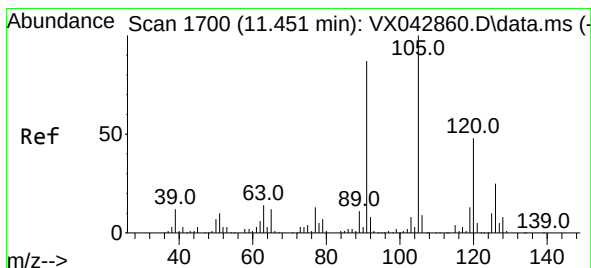
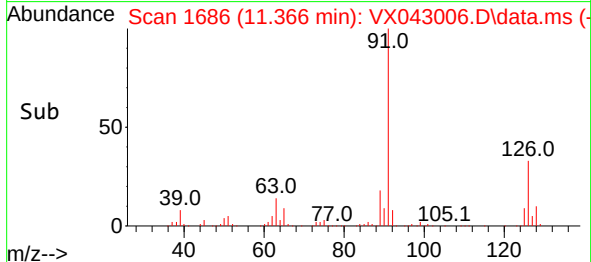
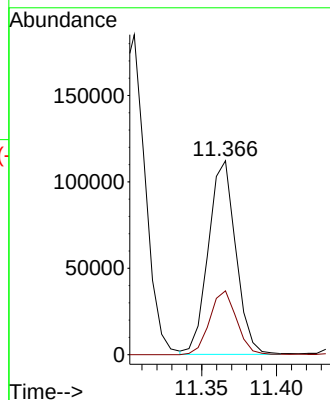
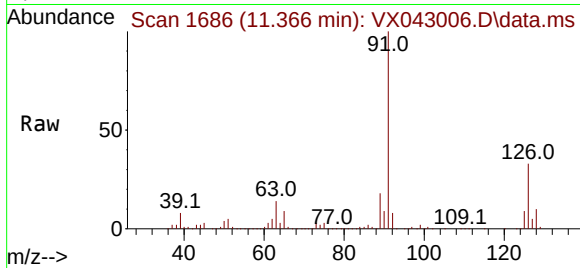




#75  
2-Chlorotoluene  
Concen: 21.076 ug/l  
RT: 11.366 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

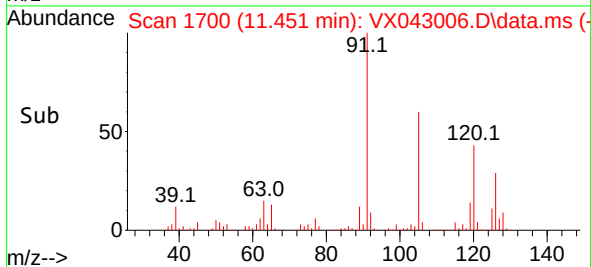
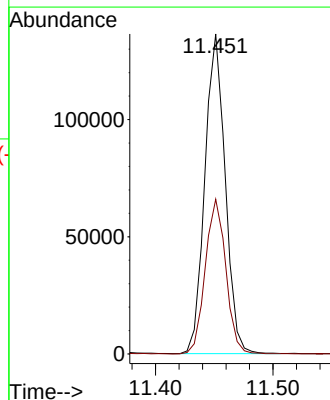
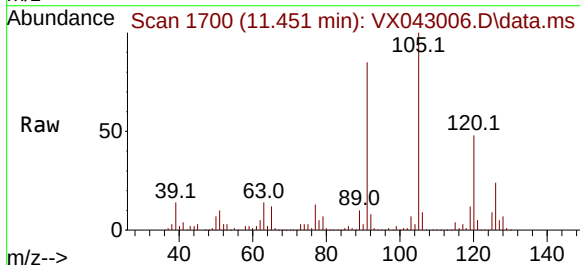
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

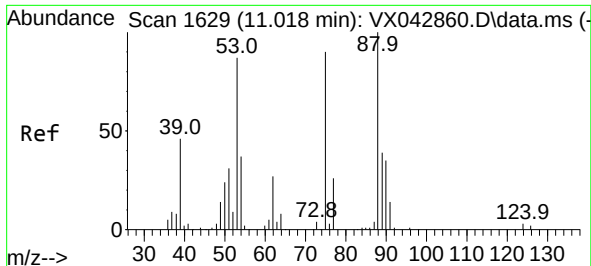
Tgt Ion: 91 Resp: 143287  
Ion Ratio Lower Upper  
91 100  
126 32.3 0.0 66.2



#76  
1,3,5-Trimethylbenzene  
Concen: 20.440 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 105 Resp: 163775  
Ion Ratio Lower Upper  
105 100  
120 49.0 0.0 94.8

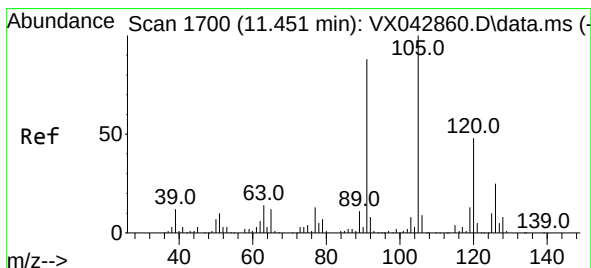
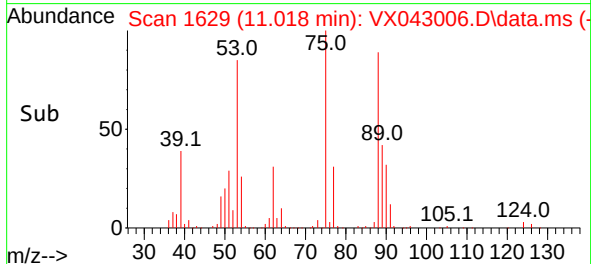
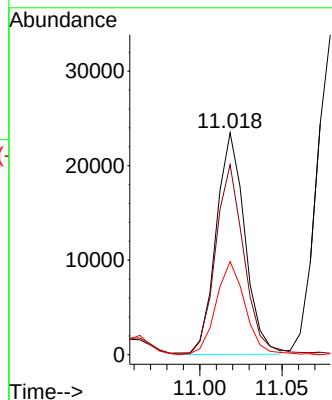
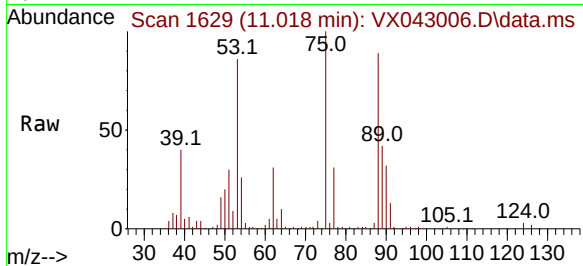




#77  
t-1,4-Dichloro-2-butene  
Concen: 26.323 ug/l  
RT: 11.018 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

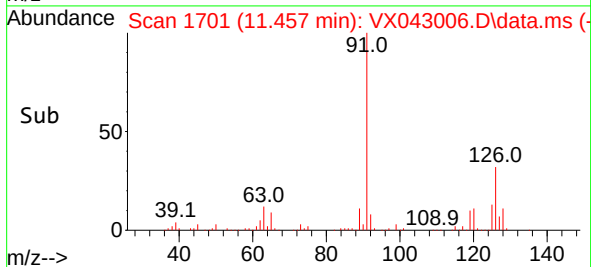
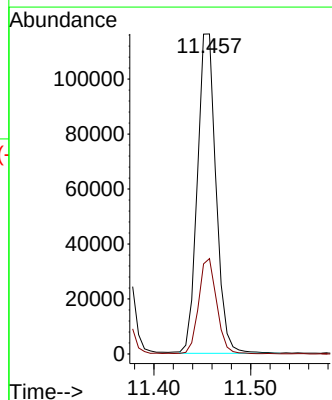
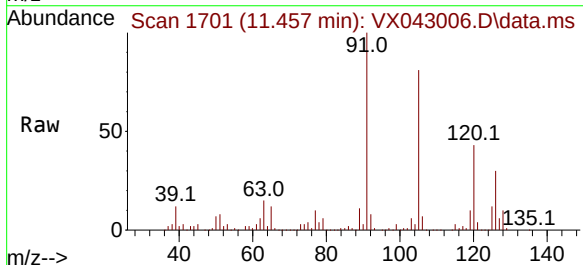
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MSVOA\_X  
ClientSampleId :  
VSTDICCC020

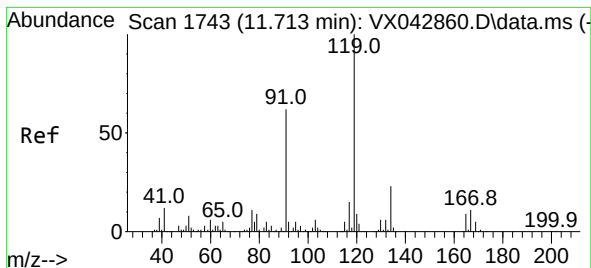
Tgt Ion: 75 Resp: 28404  
Ion Ratio Lower Upper  
75 100  
53 85.1 48.5 145.5  
89 42.1 21.9 65.5



#78  
4-Chlorotoluene  
Concen: 20.161 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 91 Resp: 155707  
Ion Ratio Lower Upper  
91 100  
126 29.0 0.0 59.4





#79

tert-butylbenzene

Concen: 20.174 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

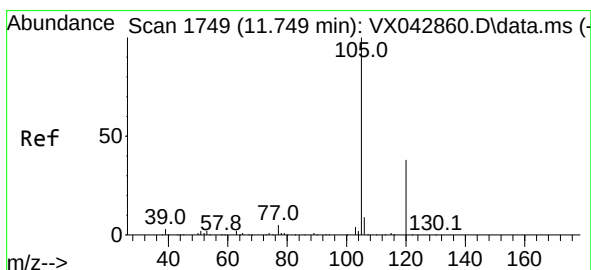
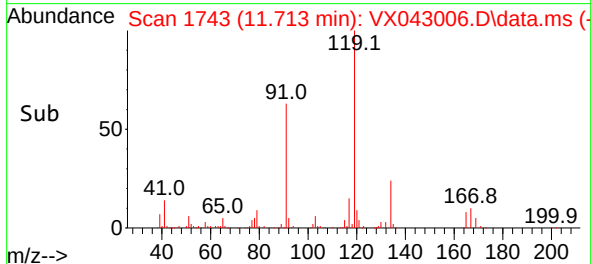
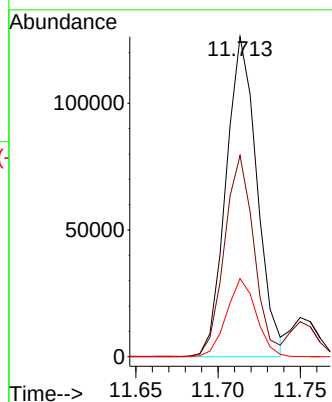
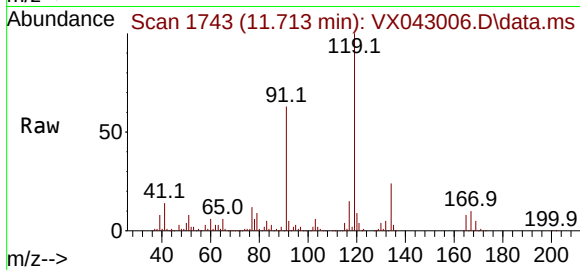
Tgt Ion:119 Resp: 165471

Ion Ratio Lower Upper

119 100

91 60.1 0.0 118.6

134 23.4 0.0 44.4



#80

1,2,4-Trimethylbenzene

Concen: 20.695 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043006.D

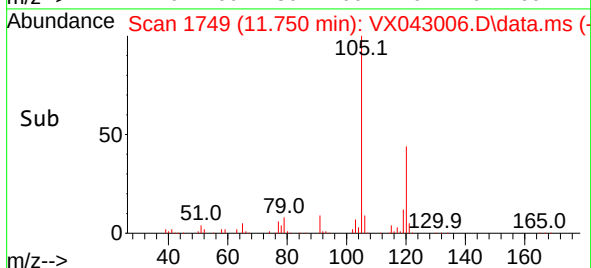
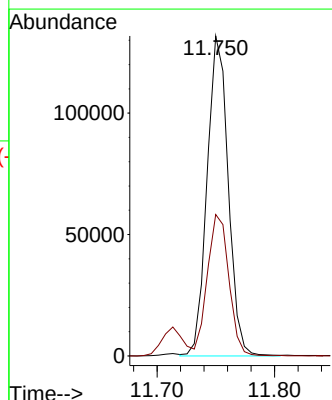
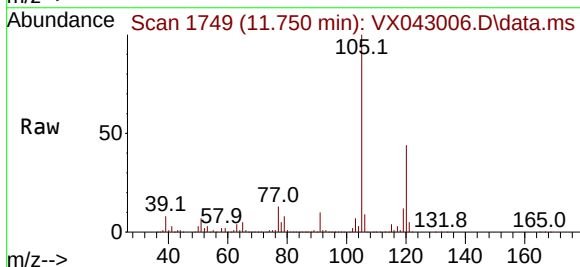
Acq: 13 Aug 2024 10:49

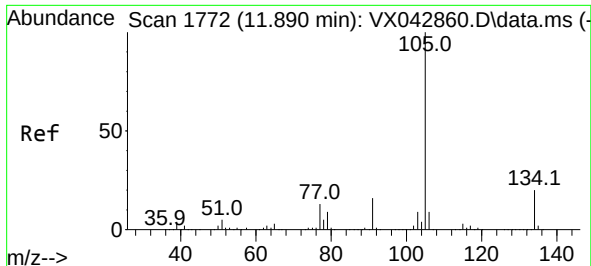
Tgt Ion:105 Resp: 164260

Ion Ratio Lower Upper

105 100

120 45.1 0.0 87.8

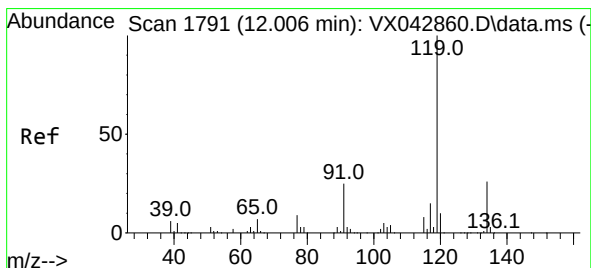
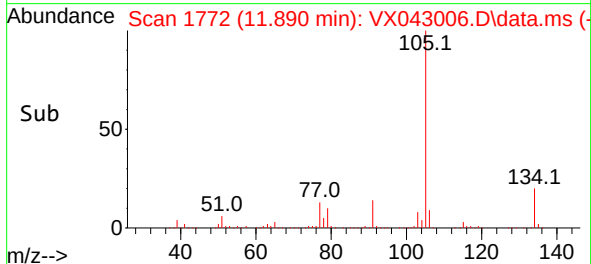
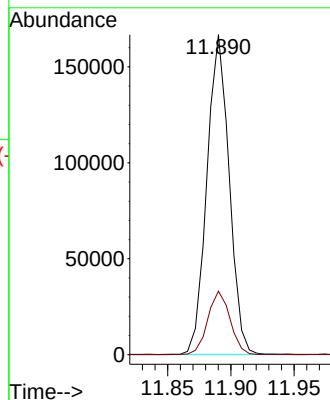
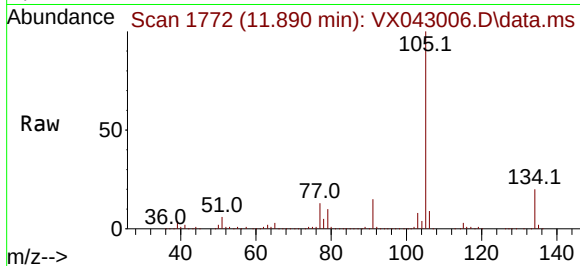




#81  
 sec-Butylbenzene  
 Concen: 20.291 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

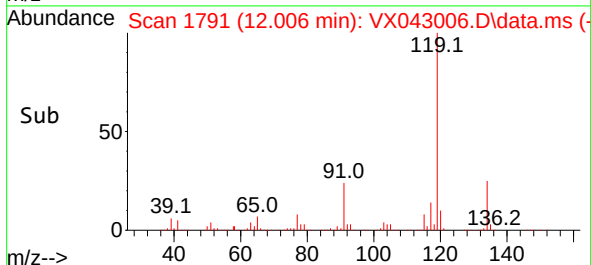
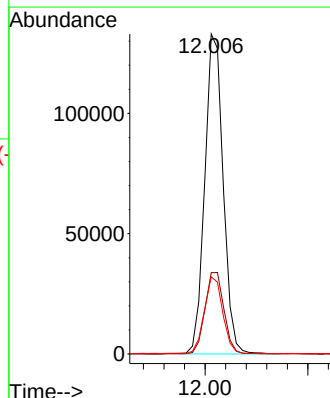
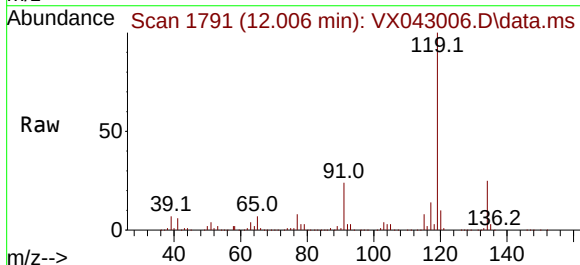
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 ClientSampleId :  
 VSTDICCC020

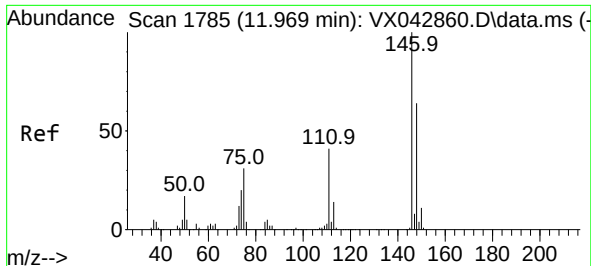
Tgt Ion:105 Resp: 203528  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 0.0 40.0



#82  
 p-Isopropyltoluene  
 Concen: 19.836 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

Tgt Ion:119 Resp: 165760  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 0.0 51.8  
 91 23.9 0.0 48.4

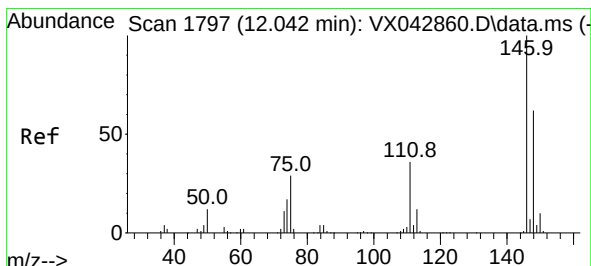
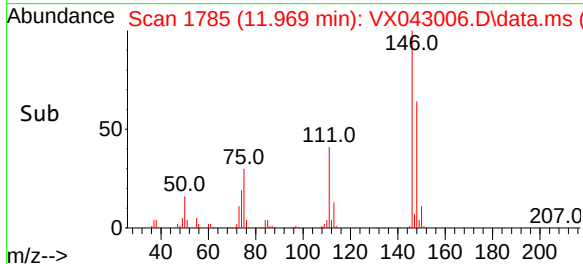
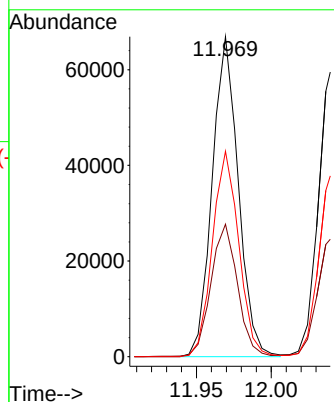
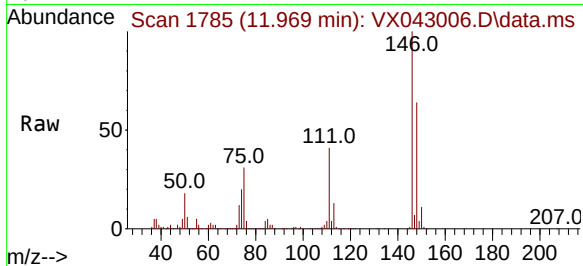




#83  
1,3-Dichlorobenzene  
Concen: 18.724 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

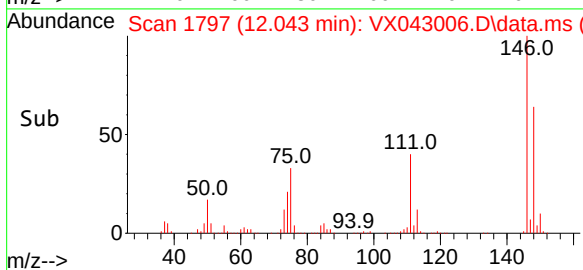
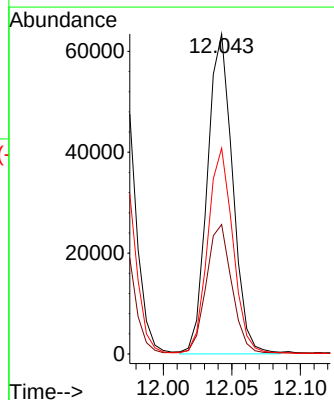
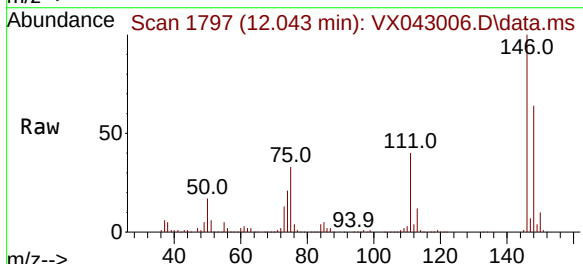
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

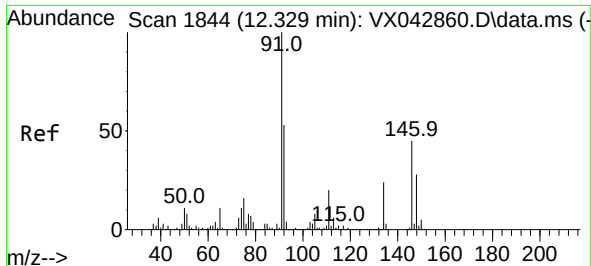
Tgt Ion:146 Resp: 81025  
Ion Ratio Lower Upper  
146 100  
111 41.7 20.3 61.0  
148 65.1 31.7 95.1



#84  
1,4-Dichlorobenzene  
Concen: 18.731 ug/l  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion:146 Resp: 81465  
Ion Ratio Lower Upper  
146 100  
111 40.8 19.4 58.4  
148 64.4 31.4 94.2

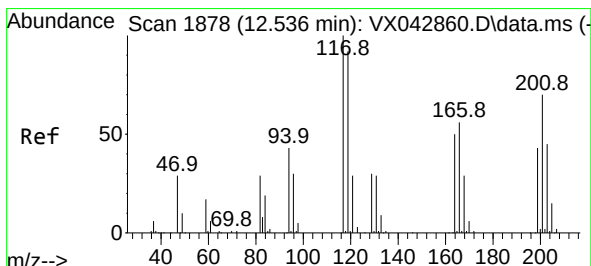
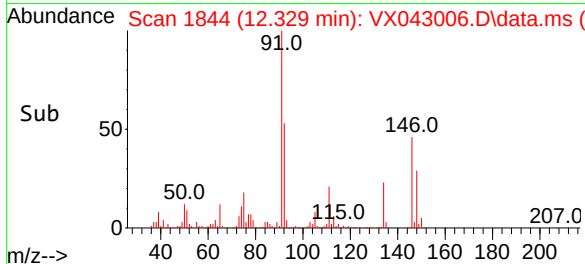
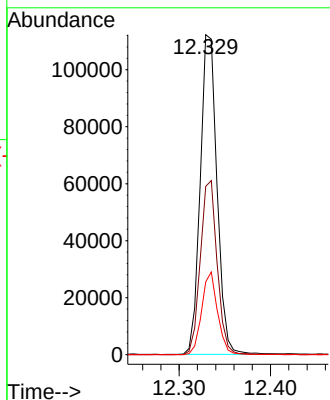
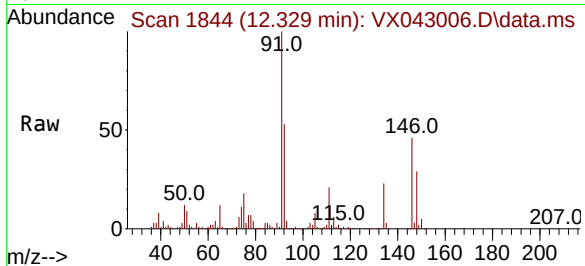




#85  
n-Butylbenzene  
Concen: 19.137 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

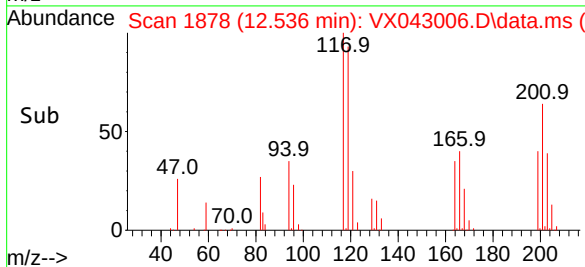
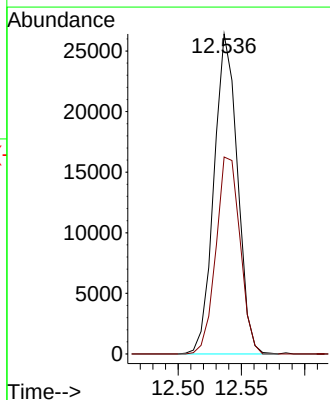
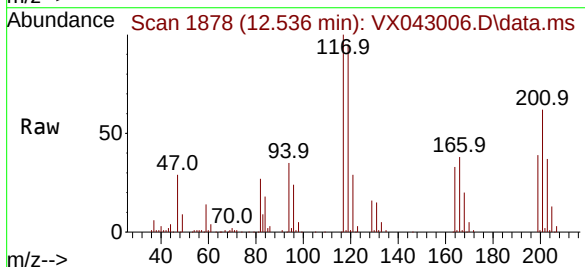
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MSVOA\_X  
ClientSampleId :  
VSTDICCC020

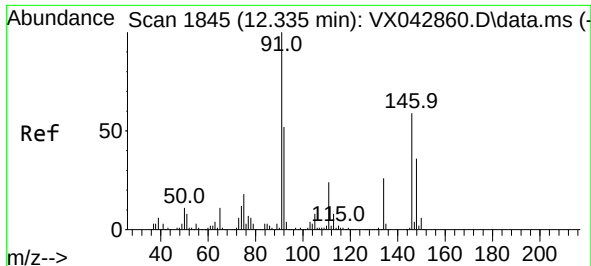
Tgt Ion: 91 Resp: 143077  
Ion Ratio Lower Upper  
91 100  
92 54.3 0.0 106.4  
134 24.5 0.0 50.6



#86  
Hexachloroethane  
Concen: 21.808 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VX043006.D  
Acq: 13 Aug 2024 10:49

Tgt Ion: 117 Resp: 34023  
Ion Ratio Lower Upper  
117 100  
201 63.4 37.5 112.7

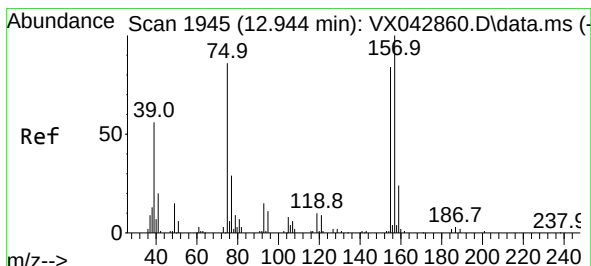
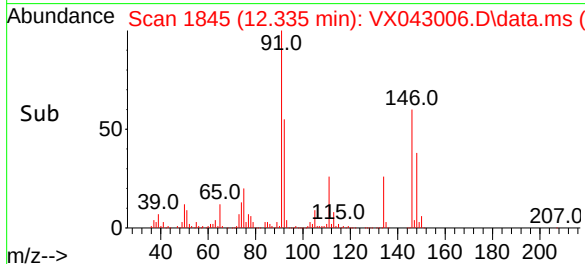
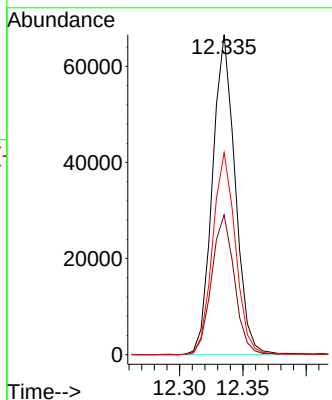
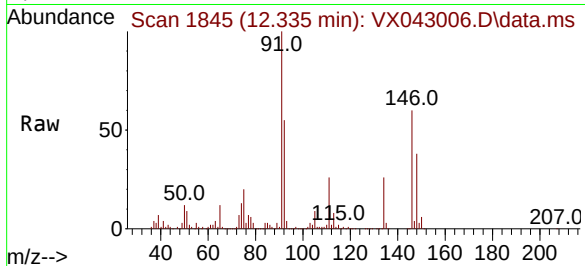




#87  
 1,2-Dichlorobenzene  
 Concen: 19.100 ug/l  
 RT: 12.335 min Scan# 1845  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

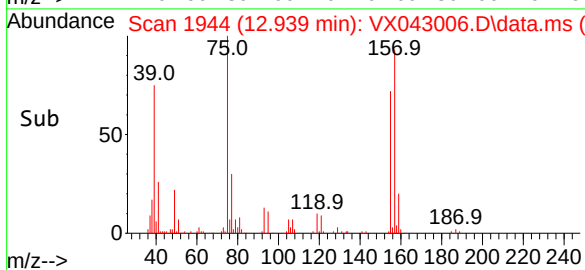
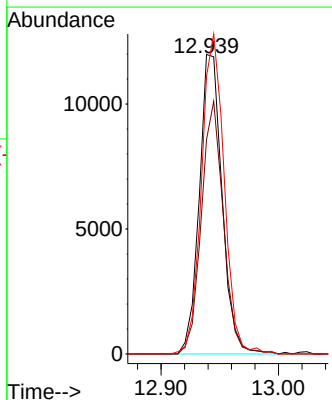
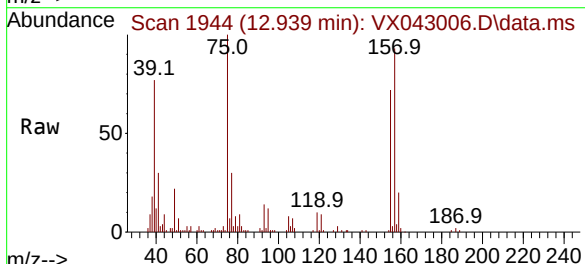
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 ClientSampleId :  
 VSTDICCC020

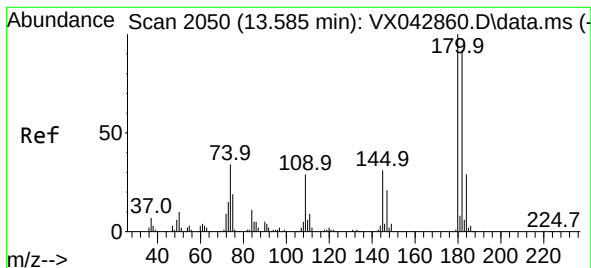
Tgt Ion:146 Resp: 82914  
 Ion Ratio Lower Upper  
 146 100  
 111 44.0 21.0 63.0  
 148 63.4 30.8 92.4



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.711 ug/l  
 RT: 12.939 min Scan# 1944  
 Delta R.T. 0.000 min  
 Lab File: VX043006.D  
 Acq: 13 Aug 2024 10:49

Tgt Ion: 75 Resp: 16152  
 Ion Ratio Lower Upper  
 75 100  
 155 81.4 68.7 103.1  
 157 105.2 86.7 130.1





#89

1,2,4-Trichlorobenzene

Concen: 16.755 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

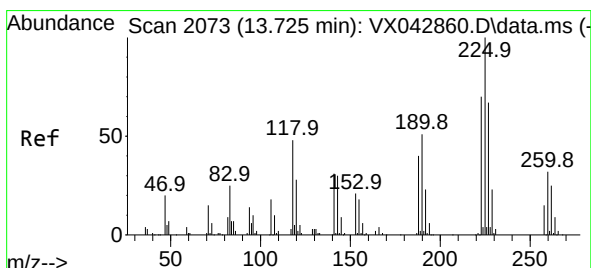
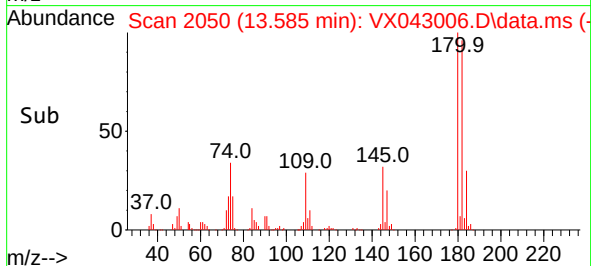
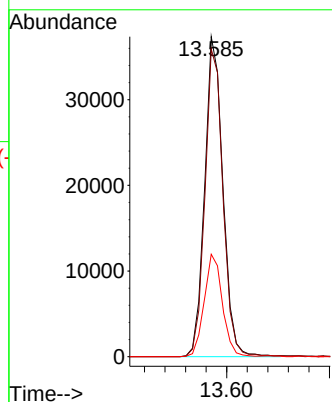
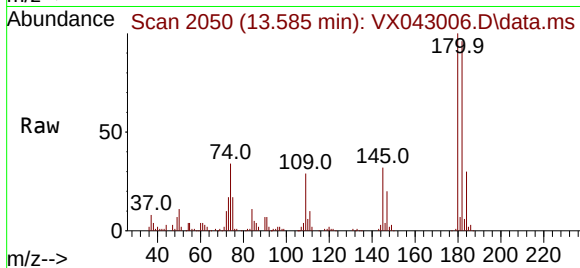
Tgt Ion:180 Resp: 46032

Ion Ratio Lower Upper

180 100

182 95.4 73.1 109.7

145 32.0 24.6 37.0



#90

Hexachlorobutadiene

Concen: 14.886 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

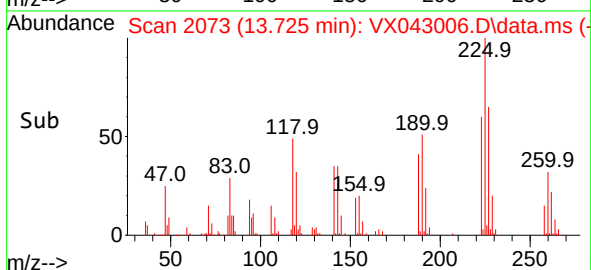
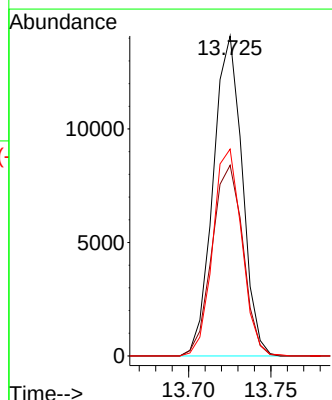
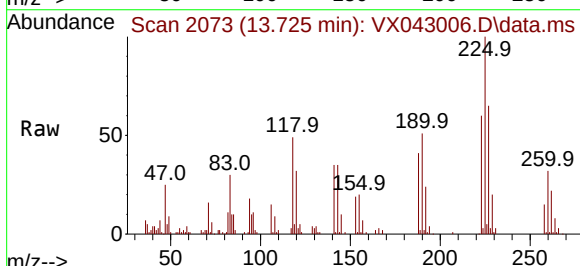
Tgt Ion:225 Resp: 17317

Ion Ratio Lower Upper

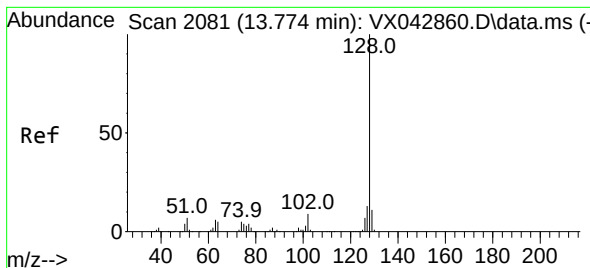
225 100

223 63.5 0.0 135.0

227 64.5 0.0 130.4







#91

Naphthalene

Concen: 19.448 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

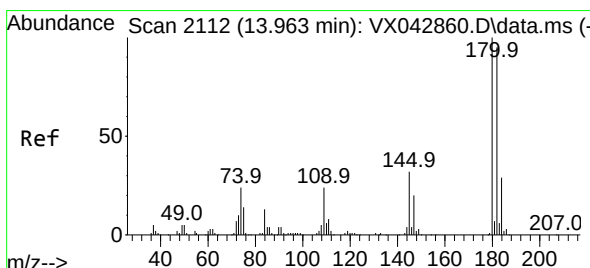
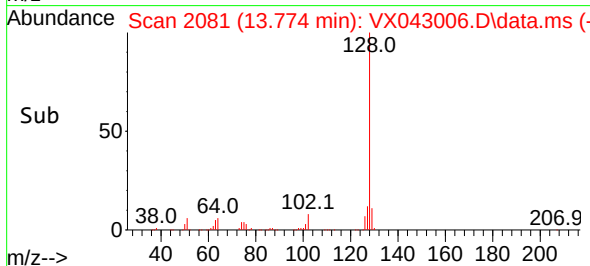
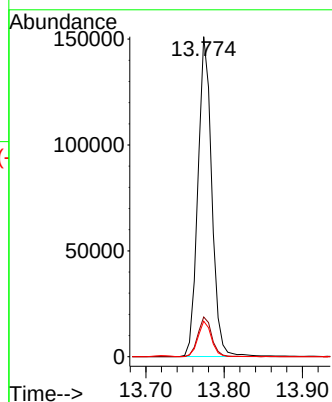
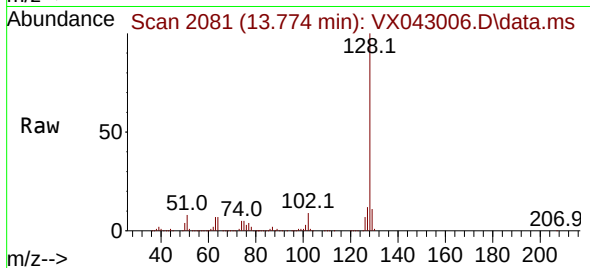
Tgt Ion:128 Resp: 186486

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 10.7 8.8 13.2



#92

1,2,3-Trichlorobenzene

Concen: 17.163 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX043006.D

Acq: 13 Aug 2024 10:49

Tgt Ion:180 Resp: 47674

Ion Ratio Lower Upper

180 100

182 94.1 0.0 185.8

145 33.9 0.0 65.2

