

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121523\  
 Data File : VW033400.D  
 Acq On : 16 Dec 2023 00:13  
 Operator : SY/MD  
 Sample : 05846-04MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCHB6MS

Quant Time: Dec 16 01:31:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM121523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 15 23:24:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 197102   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 206670   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 113020   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 68216    | 44.942   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.880%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 64160    | 47.102   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 94.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 32381    | 42.855   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.720%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 86617    | 113.227  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 113.230% |
| 24) Chloroform-d              | 4.249   | 84    | 150953   | 50.276   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.560% |
| 26) 1,2-Dichloroethane-d4     | 4.941   | 65    | 97350    | 52.780   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.560% |
| 32) Benzene-d6                | 4.960   | 84    | 269657   | 48.445   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.880%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 82496    | 48.833   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.660%  |
| 41) Toluene-d8                | 7.243   | 98    | 252650   | 49.605   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.200%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 40635    | 49.080   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 98.160%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 63979    | 112.597  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 112.600% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153  | 84    | 127449   | 52.490   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 104.980% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 102037   | 48.044   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.080%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 73077    | 45.127   | ug/L   | 100      |
| 3) Chloromethane              | 1.214   | 50    | 74056    | 49.675   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.282   | 62    | 76202    | 47.680   | ug/L   | 99       |
| 6) Bromomethane               | 1.484   | 94    | 52732    | 46.093   | ug/L   | 100      |
| 8) Chloroethane               | 1.548   | 64    | 54038    | 50.085   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 127101   | 45.353   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 72145    | 44.126   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 66608    | 47.956   | ug/L   | 95       |
| 13) Acetone                   | 2.108   | 43    | 159953   | 180.132  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240   | 76    | 163289   | 46.005   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368   | 43    | 69890    | 55.110   | ug/L   | 96       |
| 16) Methylene chloride        | 2.445   | 84    | 79264    | 51.097   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.696   | 96    | 66958    | 51.002   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 219411   | 55.034   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 133031   | 52.870   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.815   | 96    | 76166    | 51.169   | ug/L   | 98       |
| 22) 2-Butanone                | 3.860   | 43    | 144080   | 164.692  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.146   | 128   | 44123    | 54.079   | ug/L   | 96       |
| 25) Chloroform                | 4.275   | 83    | 149065   | 52.642   | ug/L   | 100      |

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 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

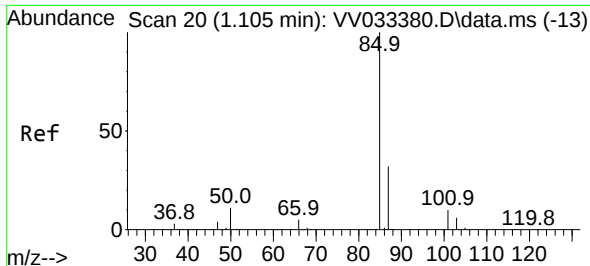
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCHB6MS

Quant Time: Dec 16 01:31:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM121523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 15 23:24:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 119188   | 54.605  | ug/L  | 99       |
| 29) Cyclohexane               | 4.584  | 56   | 82798    | 44.450  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.513  | 97   | 125813   | 49.306  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 108072   | 47.326  | ug/L  | 97       |
| 33) Benzene                   | 5.011  | 78   | 286697   | 52.046  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 73713    | 48.776  | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.053  | 83   | 88903    | 41.015  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 77143    | 51.639  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 113802   | 52.928  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 115491   | 53.141  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 200190   | 125.573 | ug/L  | 99       |
| 42) Toluene                   | 7.317  | 91   | 312886   | 53.590  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 115182   | 52.816  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 83623    | 53.706  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 53822    | 45.579  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.075  | 43   | 160216   | 120.493 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 87495    | 53.142  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 88593    | 55.197  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.815  | 112  | 208531   | 49.560  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 324046   | 49.836  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 128099   | 52.437  | ug/L  | 95       |
| 54) o-Xylene                  | 9.481  | 106  | 123969   | 52.261  | ug/L  | 98       |
| 55) Styrene                   | 9.497  | 104  | 228257   | 54.524  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 133237   | 55.716  | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 61703    | 52.918  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.870  | 105  | 317678   | 49.498  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 100606   | 55.538  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 239960   | 49.332  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 257990   | 51.069  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 163424   | 48.993  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 173099   | 48.216  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 171825   | 49.490  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 28299    | 57.670  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 103431   | 44.836  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 89381    | 44.324  | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 258345   | 47.617  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 99061    | 50.223  | ug/L  | 99       |

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

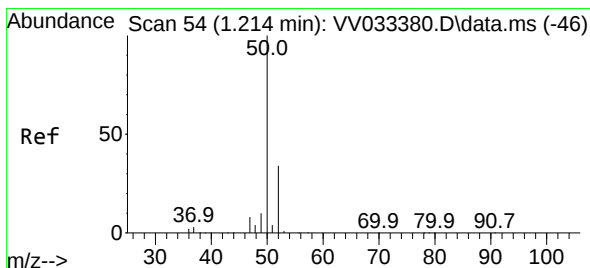
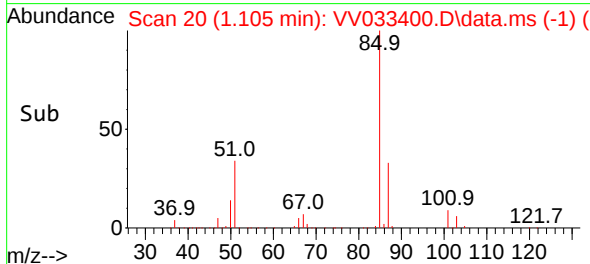
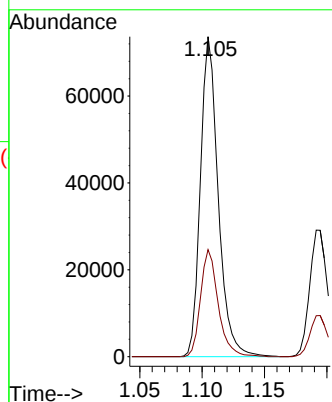
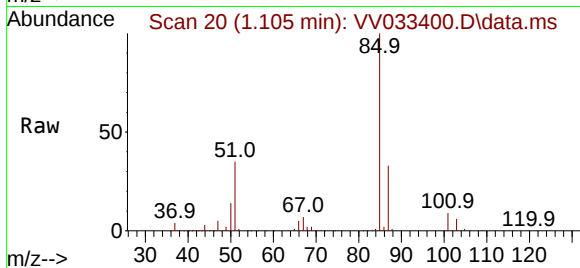




#2  
 Dichlorodifluoromethane  
 Concen: 45.127 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

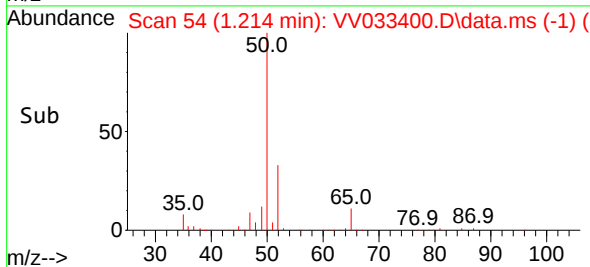
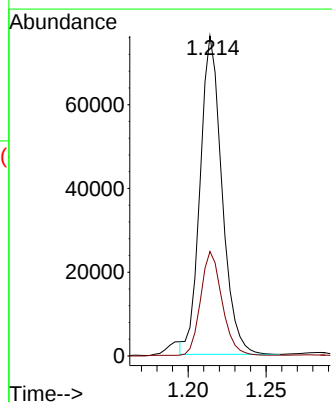
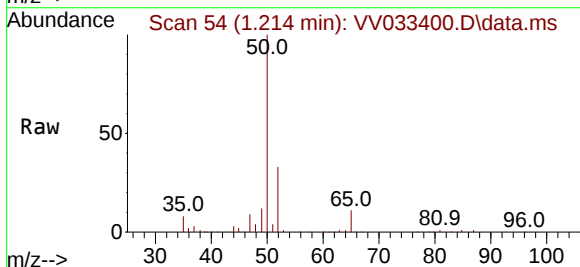
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCHB6MS

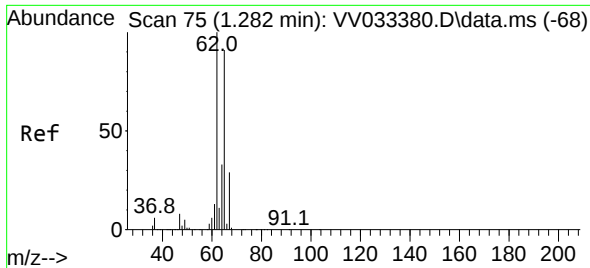
Tgt Ion: 85 Resp: 73077  
 Ion Ratio Lower Upper  
 85 100  
 87 33.2 26.6 39.8



#3  
 Chloromethane  
 Concen: 49.675 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

Tgt Ion: 50 Resp: 74056  
 Ion Ratio Lower Upper  
 50 100  
 52 32.6 22.3 41.5





#5  
 Vinyl chloride  
 Concen: 47.680 ug/L  
 RT: 1.282 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

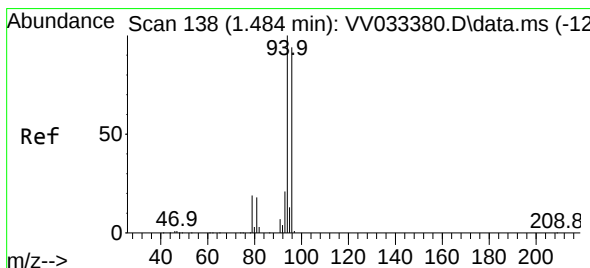
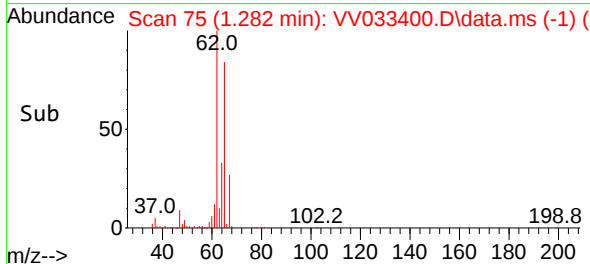
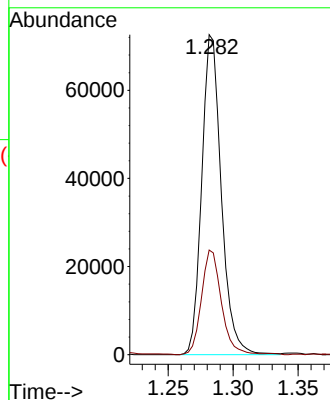
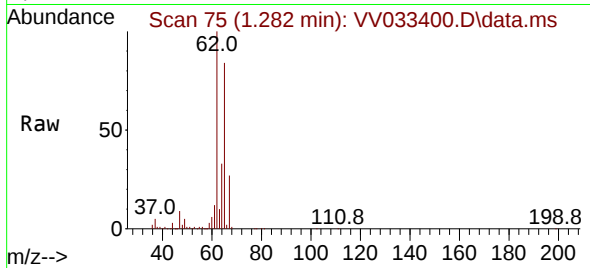
Instrument :

MSVOA\_V

ClientSampleId :

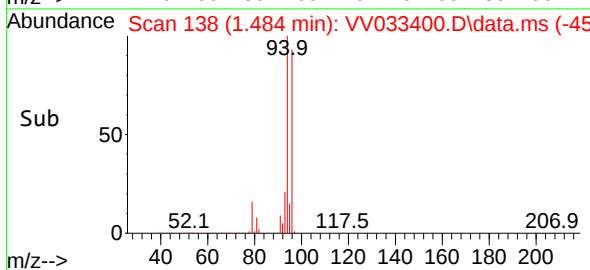
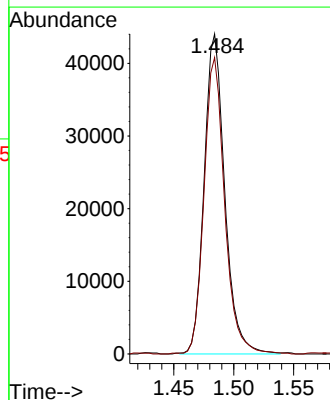
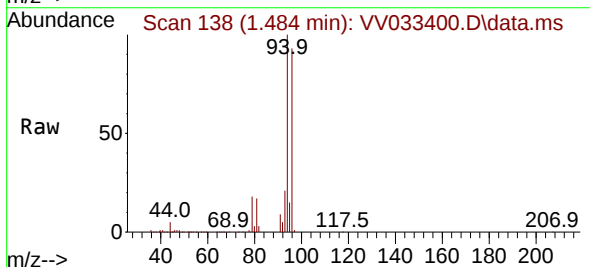
YCHB6MS

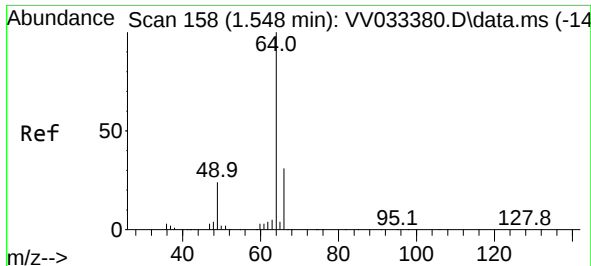
Tgt Ion: 62 Resp: 76202  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.4 43.6



#6  
 Bromomethane  
 Concen: 46.093 ug/L  
 RT: 1.484 min Scan# 138  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

Tgt Ion: 94 Resp: 52732  
 Ion Ratio Lower Upper  
 94 100  
 96 92.6 65.1 120.9

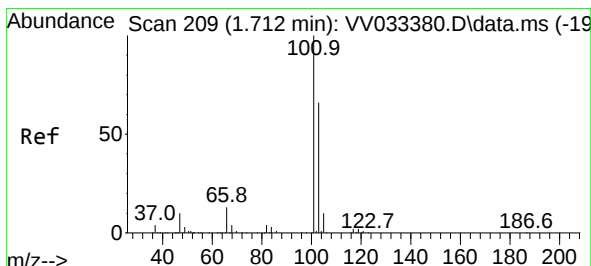
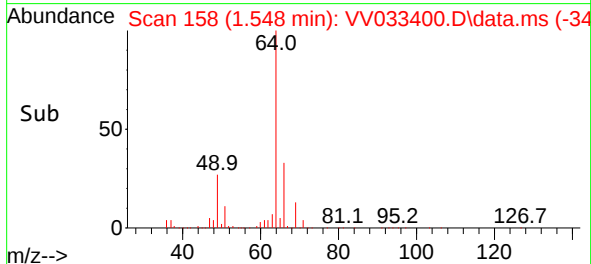
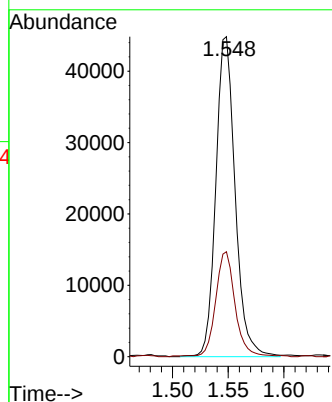
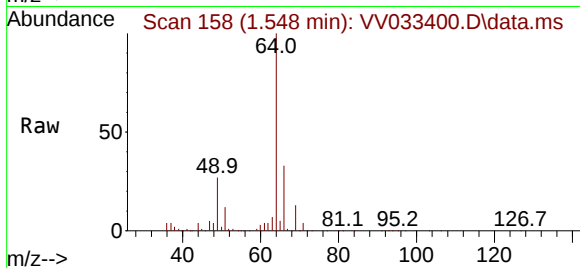




#8  
Chloroethane  
Concen: 50.085 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

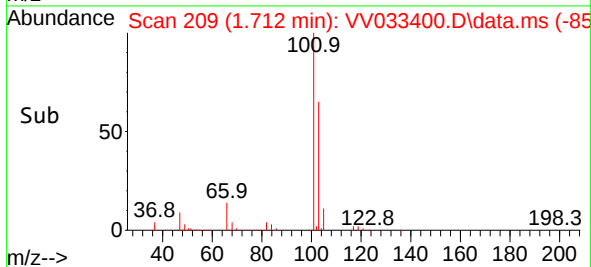
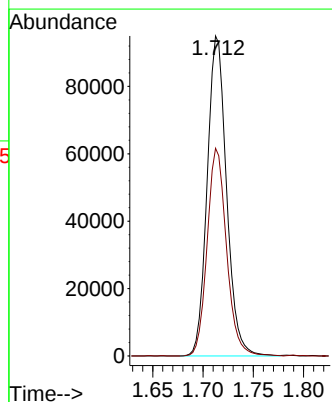
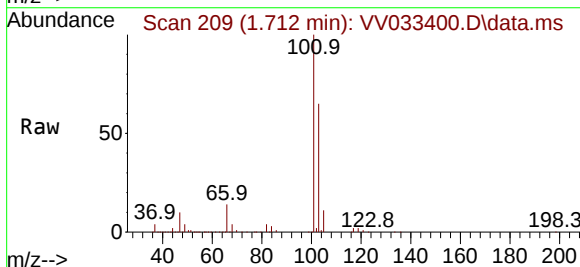
Instrument :  
MSVOA\_V  
ClientSampleId :  
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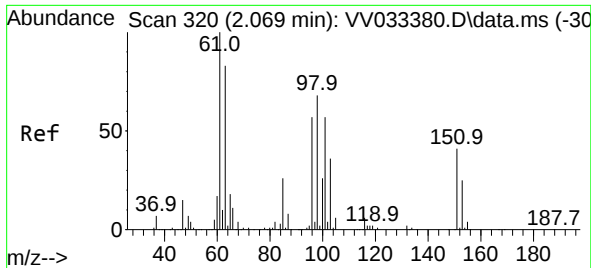
Tgt Ion: 64 Resp: 54038  
Ion Ratio Lower Upper  
64 100  
66 32.8 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 45.353 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion:101 Resp: 127101  
Ion Ratio Lower Upper  
101 100  
103 64.9 52.2 78.4

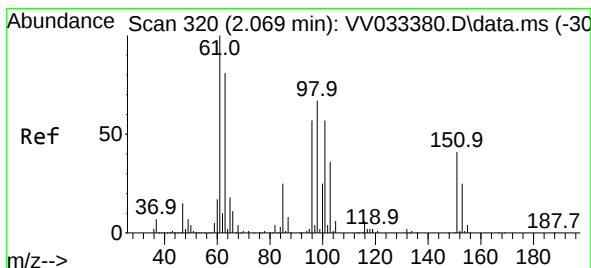
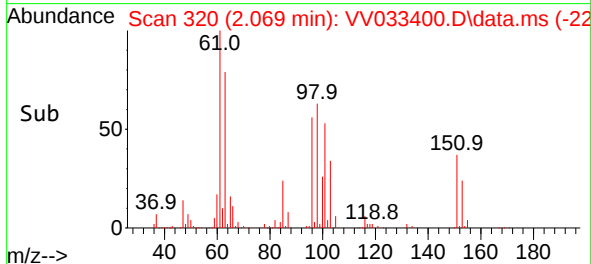
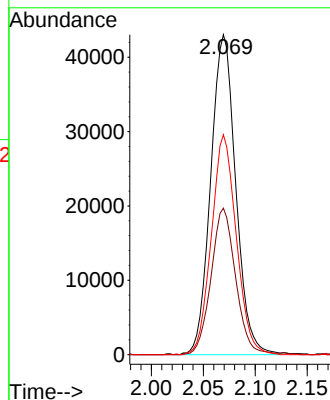
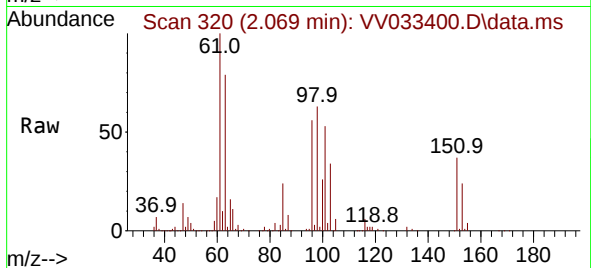




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 44.126 ug/L  
 RT: 2.069 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

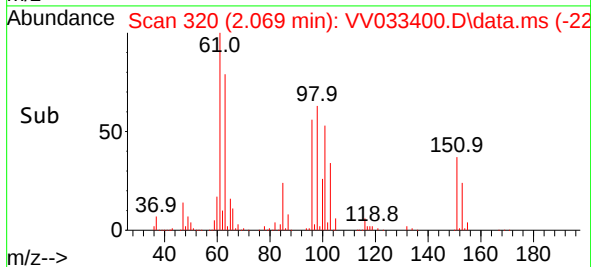
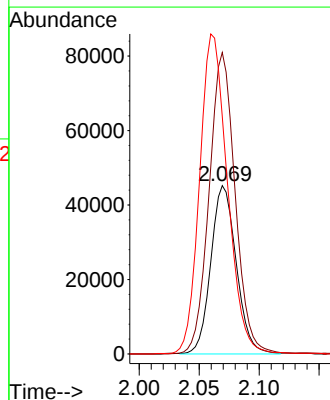
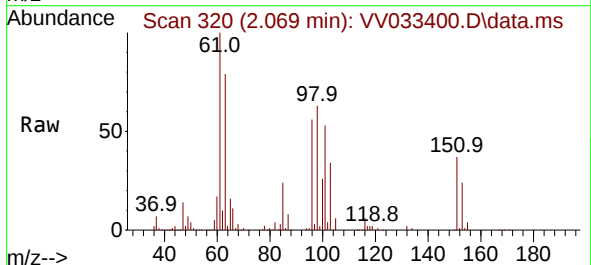
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCHB6MS

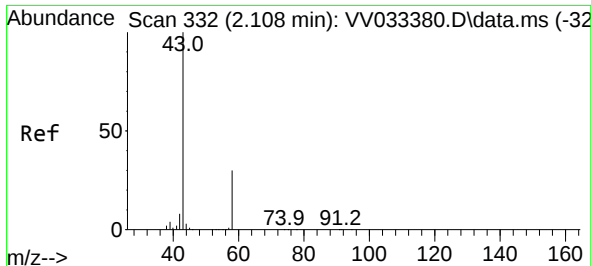
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 Ion Ratio Lower Upper  
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 151 68.3 57.0 85.6



#12  
 1,1-Dichloroethene  
 Concen: 47.956 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

Tgt Ion: 96 Resp: 66608  
 Ion Ratio Lower Upper  
 96 100  
 61 179.0 124.3 230.8  
 63 141.0 108.1 200.7





#13

Acetone

Concen: 180.132 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

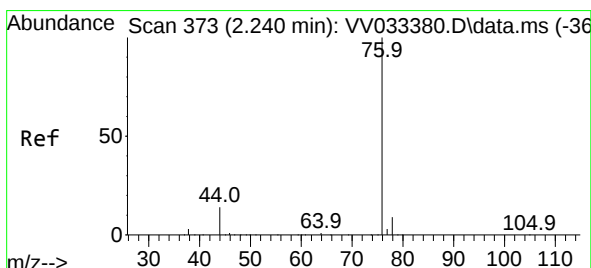
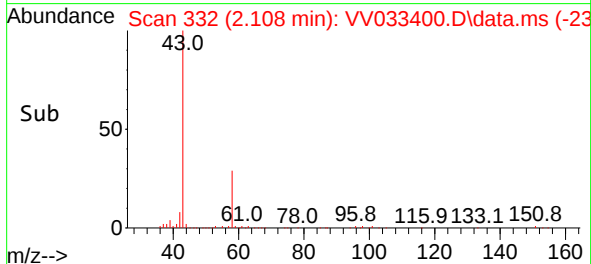
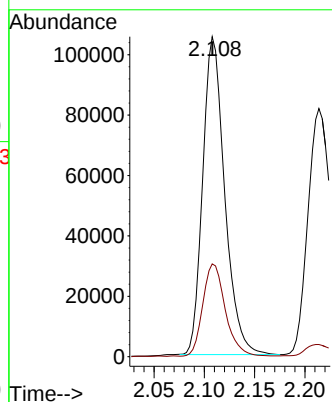
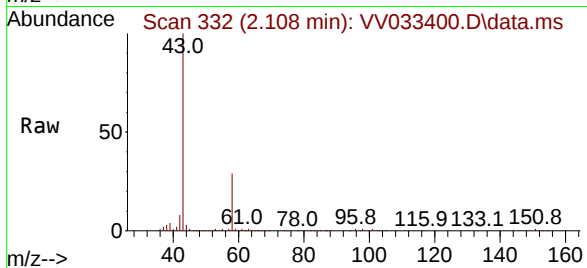
YCHB6MS

Tgt Ion: 43 Resp: 159953

Ion Ratio Lower Upper

43 100

58 30.0 0.0 59.2



#14

Carbon disulfide

Concen: 46.005 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV033400.D

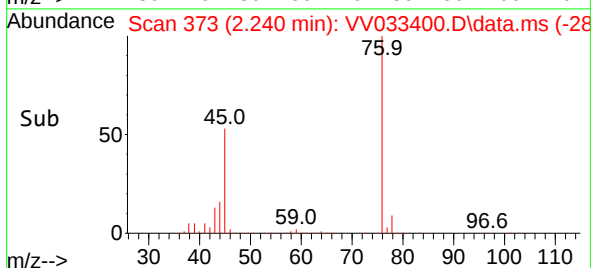
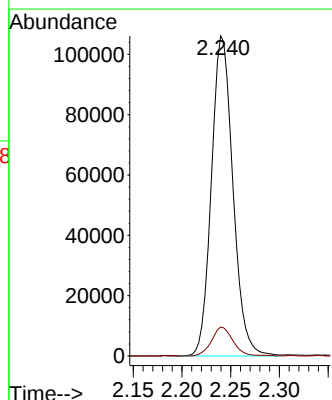
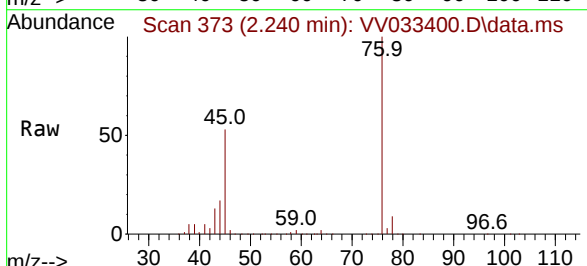
Acq: 16 Dec 2023 00:13

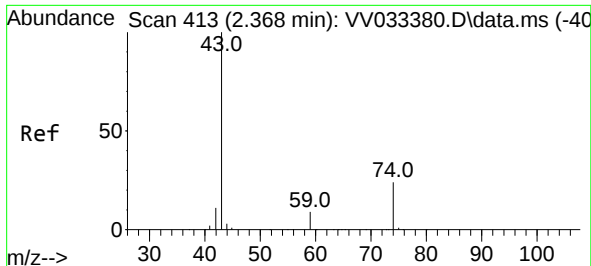
Tgt Ion: 76 Resp: 163289

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

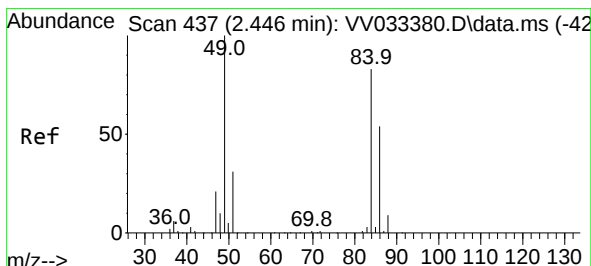
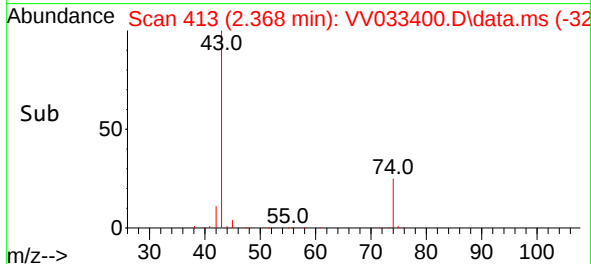
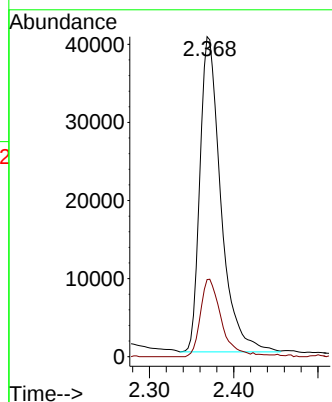
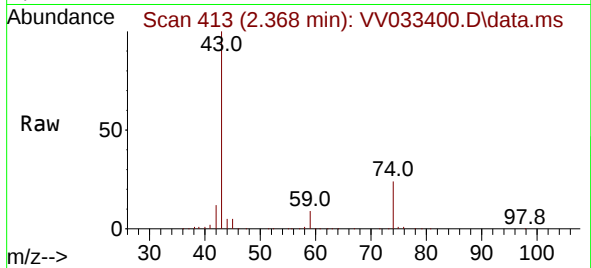




#15  
Methyl Acetate  
Concen: 55.110 ug/L  
RT: 2.368 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

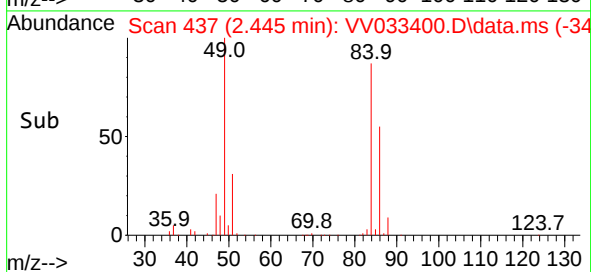
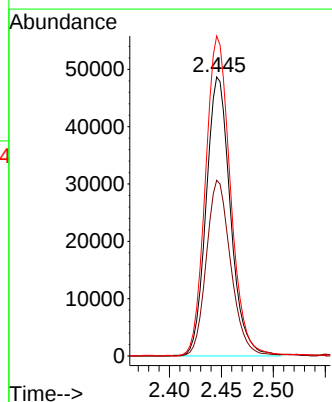
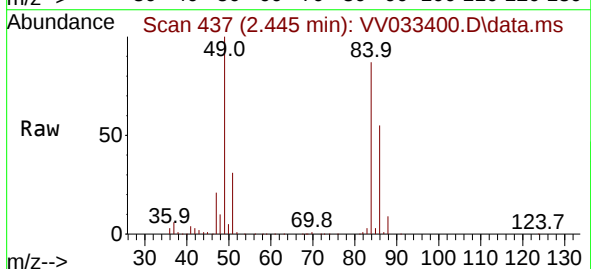
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

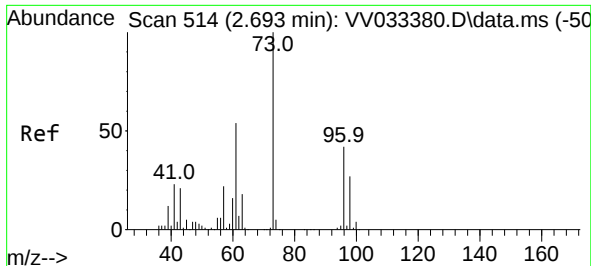
Tgt Ion: 43 Resp: 69890  
Ion Ratio Lower Upper  
43 100  
74 24.1 20.8 31.2



#16  
Methylene chloride  
Concen: 51.097 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion: 84 Resp: 79264  
Ion Ratio Lower Upper  
84 100  
86 63.0 45.4 84.2  
49 114.7 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 51.002 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

YCHB6MS

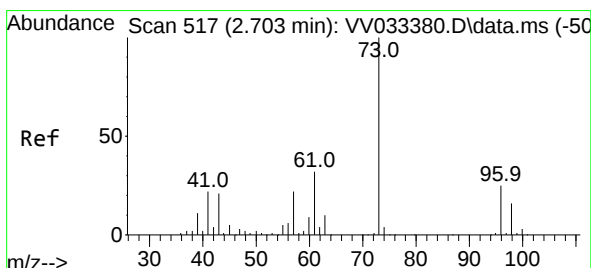
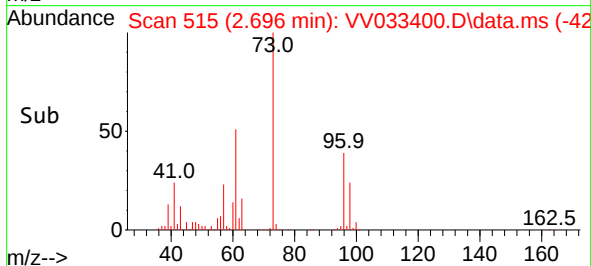
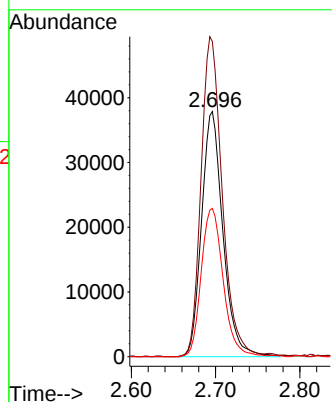
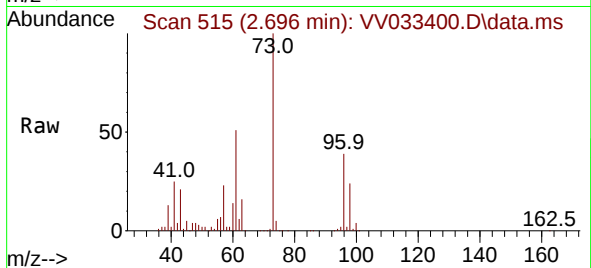
Tgt Ion: 96 Resp: 66958

Ion Ratio Lower Upper

96 100

61 128.6 89.6 166.4

98 60.5 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 55.034 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

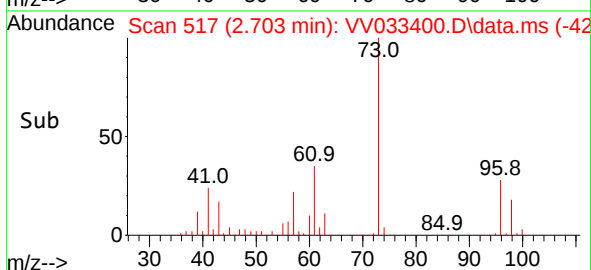
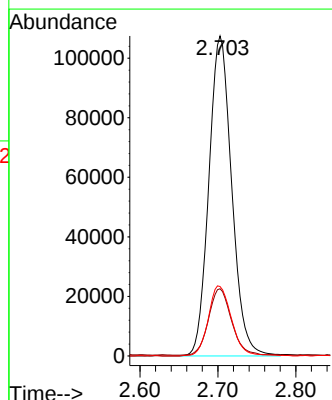
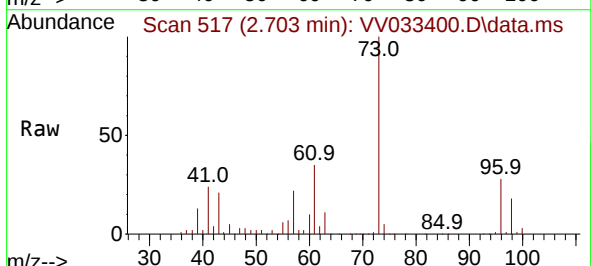
Tgt Ion: 73 Resp: 219411

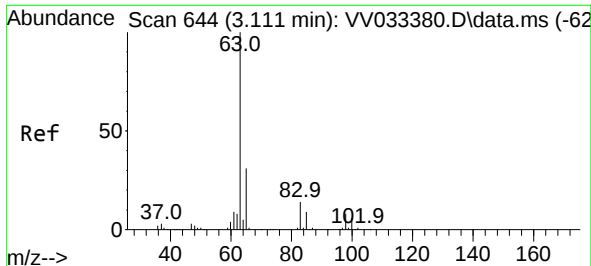
Ion Ratio Lower Upper

73 100

43 20.8 16.3 24.5

57 22.2 17.3 25.9





#19

1,1-Dichloroethane

Concen: 52.870 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

YCHB6MS

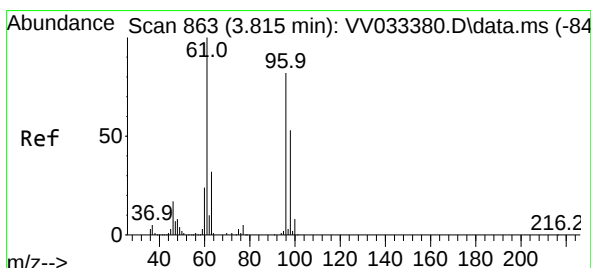
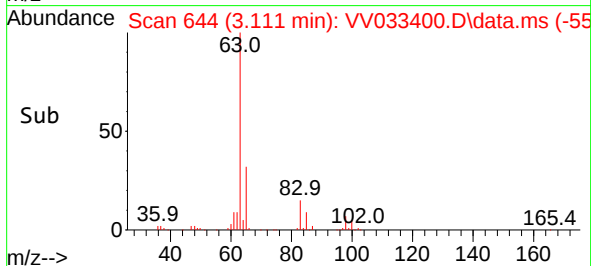
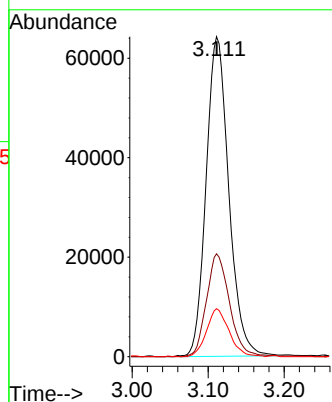
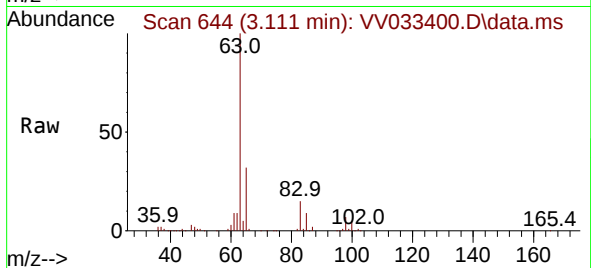
Tgt Ion: 63 Resp: 133031

Ion Ratio Lower Upper

63 100

65 32.2 21.1 39.3

83 15.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 51.169 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

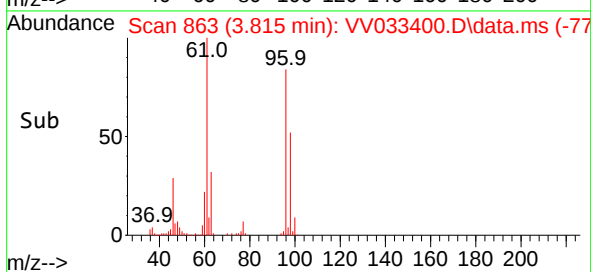
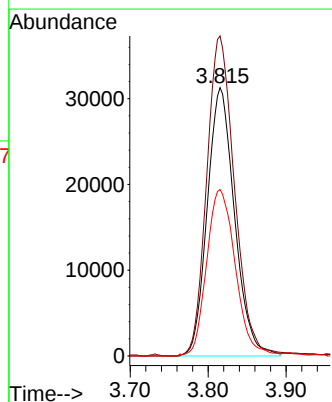
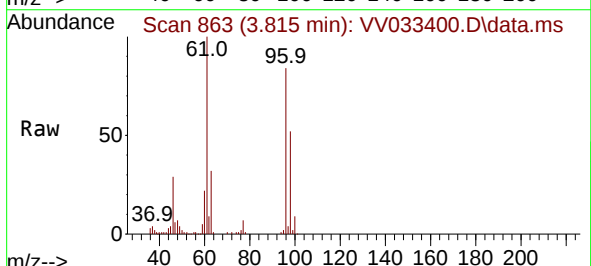
Tgt Ion: 96 Resp: 76166

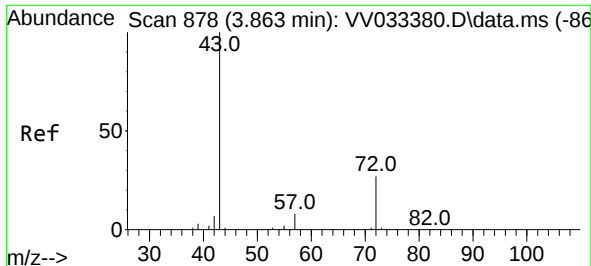
Ion Ratio Lower Upper

96 100

61 119.3 81.9 152.1

98 62.0 44.3 82.3

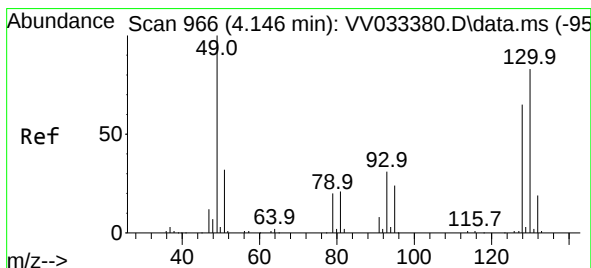
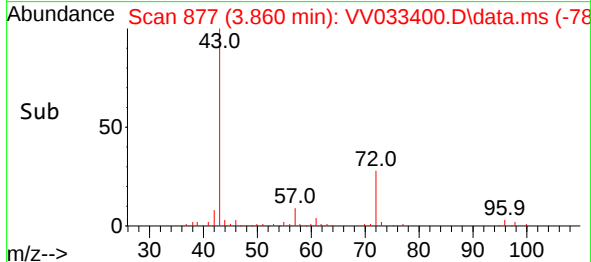
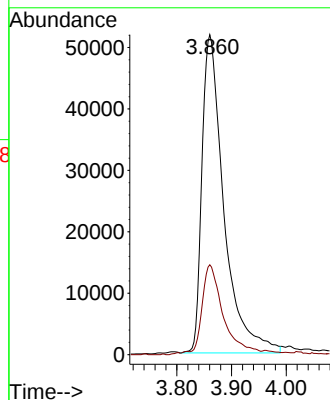
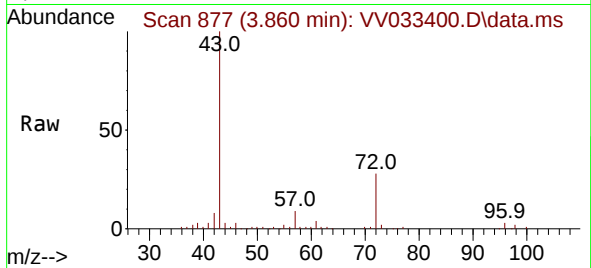




#22  
2-Butanone  
Concen: 164.692 ug/L  
RT: 3.860 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

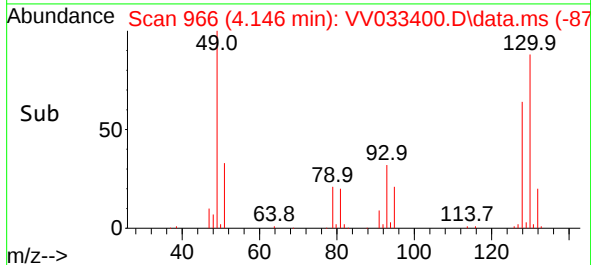
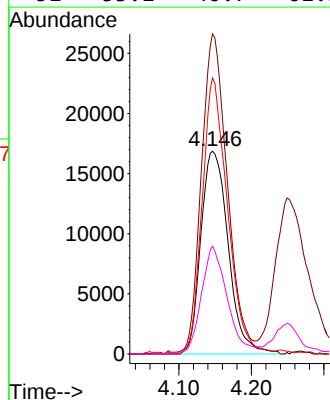
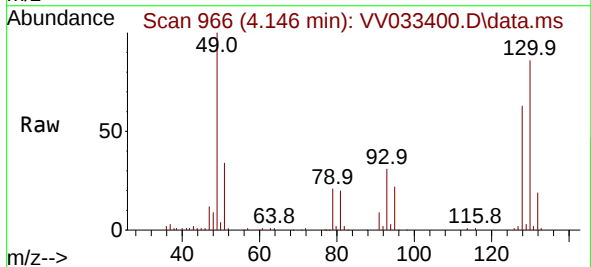
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

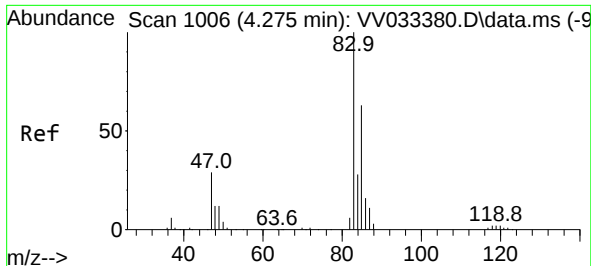
Tgt Ion: 43 Resp: 144080  
Ion Ratio Lower Upper  
43 100  
72 24.2 12.4 37.4



#23  
Bromochloromethane  
Concen: 54.079 ug/L  
RT: 4.146 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion:128 Resp: 44123  
Ion Ratio Lower Upper  
128 100  
49 157.8 106.0 196.9  
130 136.1 93.6 173.8  
51 53.1 40.7 61.1

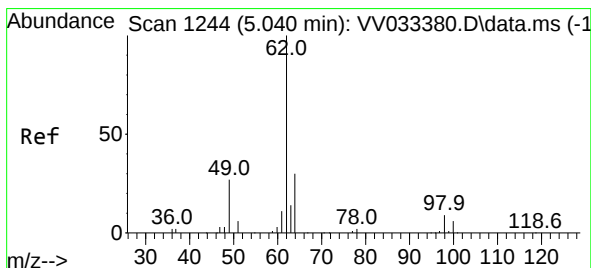
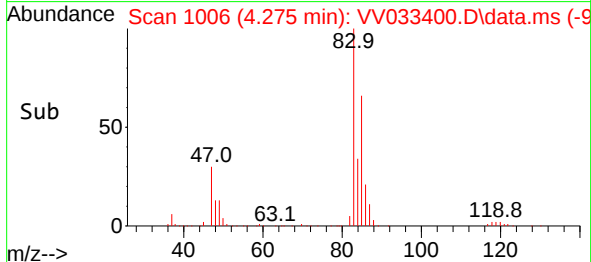
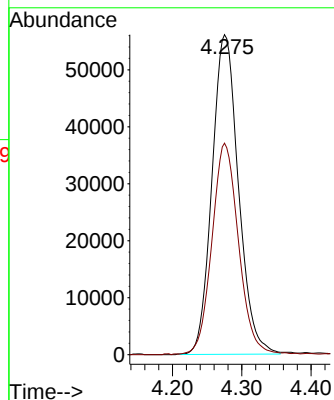
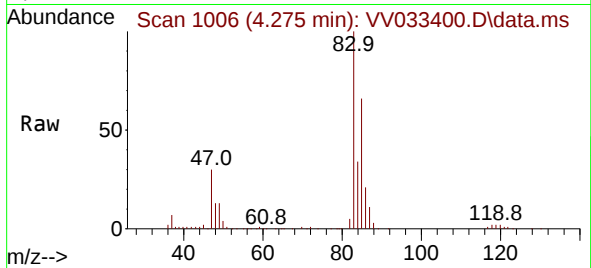




#25  
Chloroform  
Concen: 52.642 ug/L  
RT: 4.275 min Scan# 1006  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

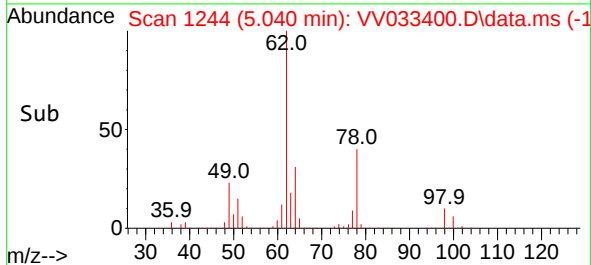
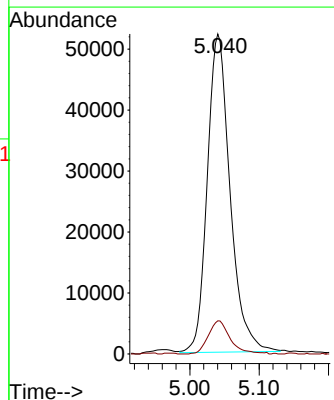
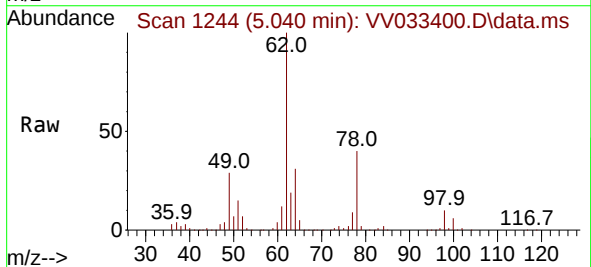
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

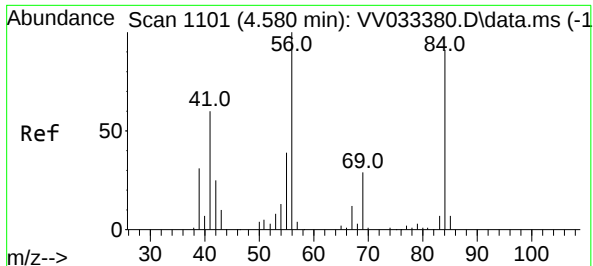
Tgt Ion: 83 Resp: 149065  
Ion Ratio Lower Upper  
83 100  
85 66.1 46.1 85.7



#27  
1,2-Dichloroethane  
Concen: 54.605 ug/L  
RT: 5.040 min Scan# 1244  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion: 62 Resp: 119188  
Ion Ratio Lower Upper  
62 100  
98 10.3 8.0 12.0





#29

Cyclohexane

Concen: 44.450 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

YCHB6MS

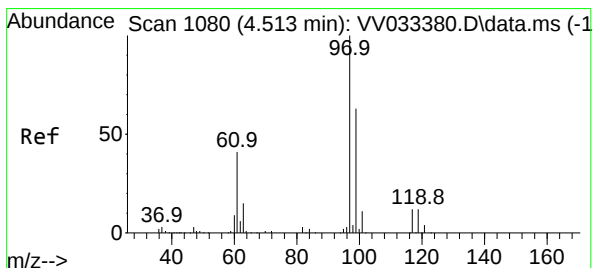
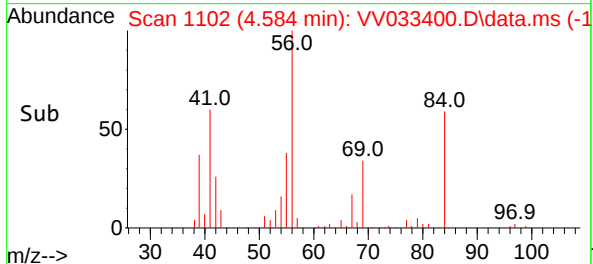
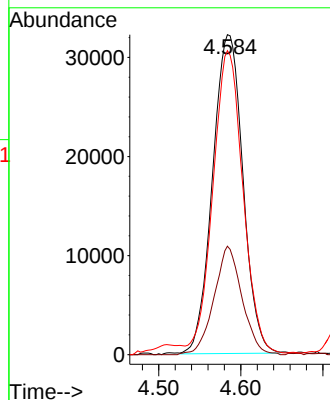
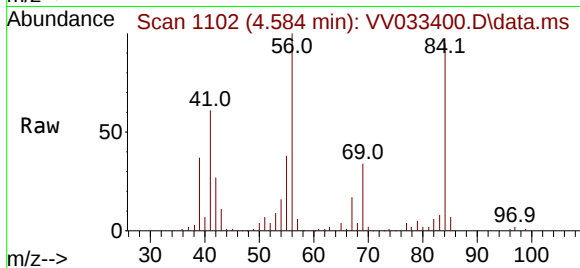
Tgt Ion: 56 Resp: 82798

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.6

84 93.6 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 49.306 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

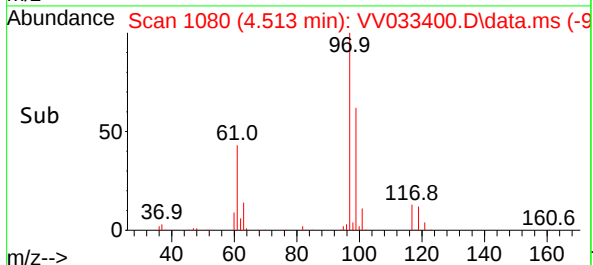
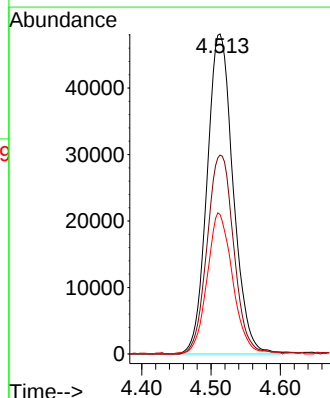
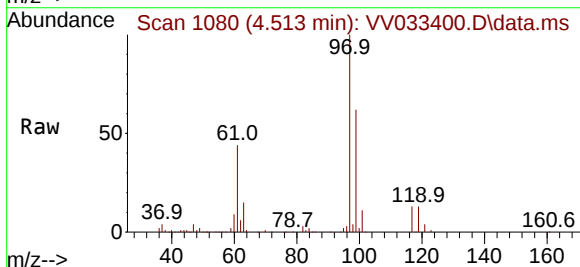
Tgt Ion: 97 Resp: 125813

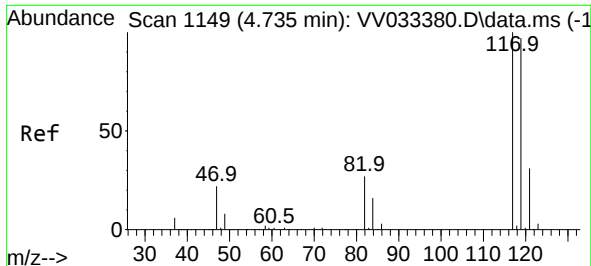
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.6

61 43.0 34.8 52.2

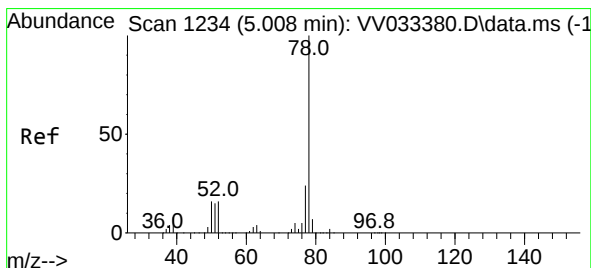
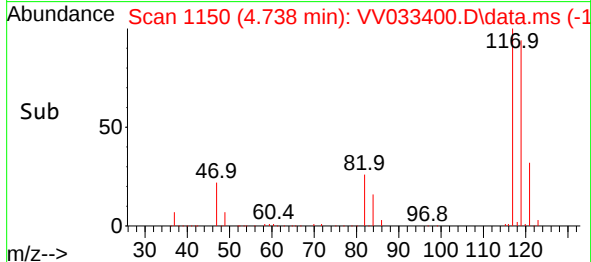
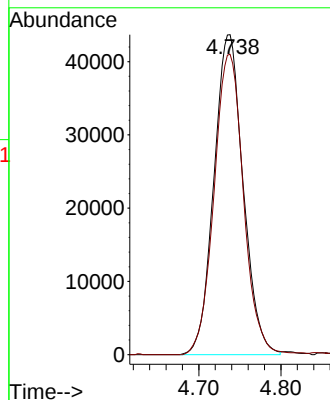
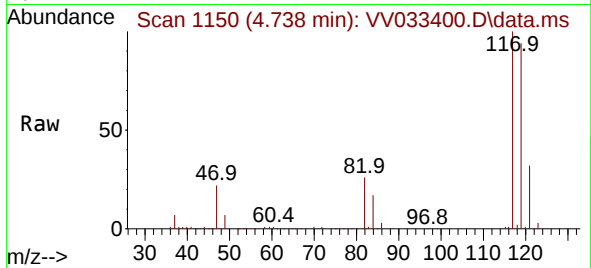




#31  
Carbon tetrachloride  
Concen: 47.326 ug/L  
RT: 4.738 min Scan# 1149  
Delta R.T. 0.003 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

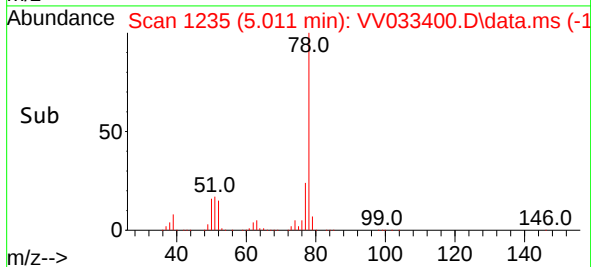
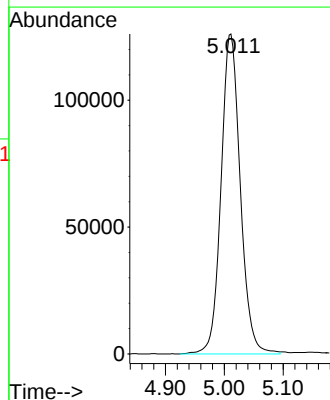
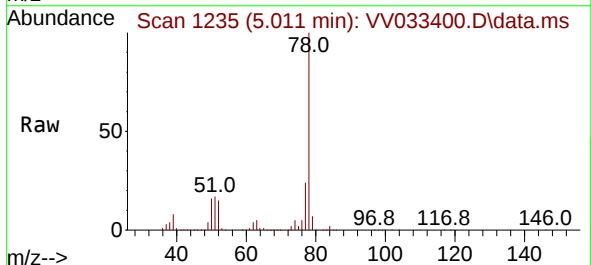
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

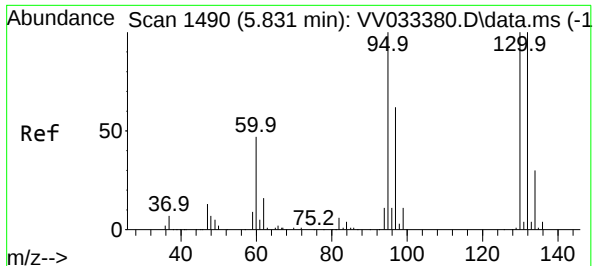
Tgt Ion:117 Resp: 108072  
Ion Ratio Lower Upper  
117 100  
119 94.7 77.8 116.6



#33  
Benzene  
Concen: 52.046 ug/L  
RT: 5.011 min Scan# 1235  
Delta R.T. 0.003 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion: 78 Resp: 286697





#34

Trichloroethene

Concen: 48.776 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

YCHB6MS

Tgt Ion: 95 Resp: 73713

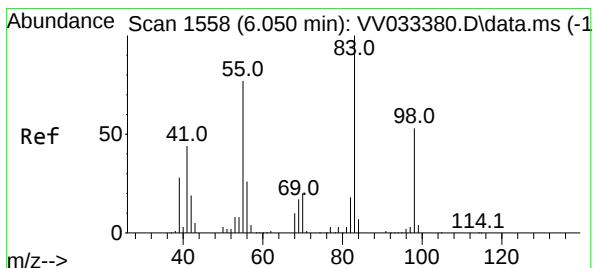
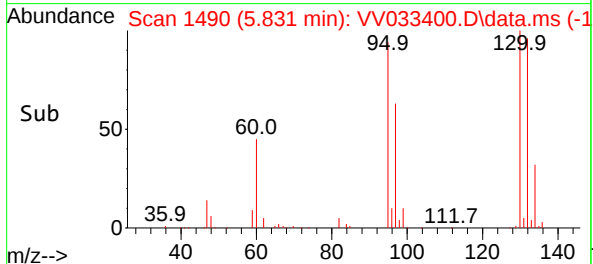
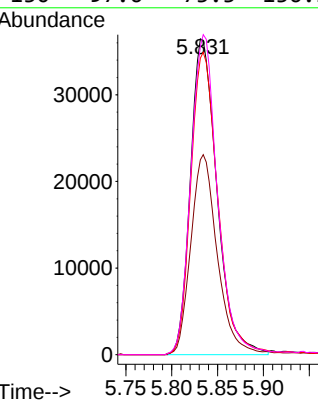
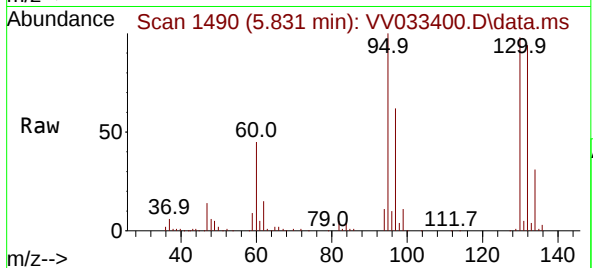
Ion Ratio Lower Upper

95 100

97 61.7 44.8 83.2

132 93.9 69.9 129.7

130 97.6 73.3 136.1



#35

Methylcyclohexane

Concen: 41.015 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

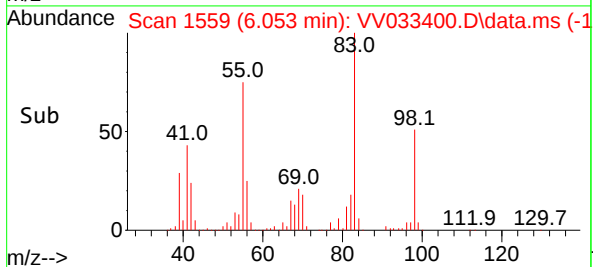
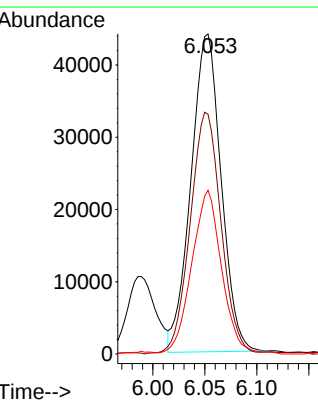
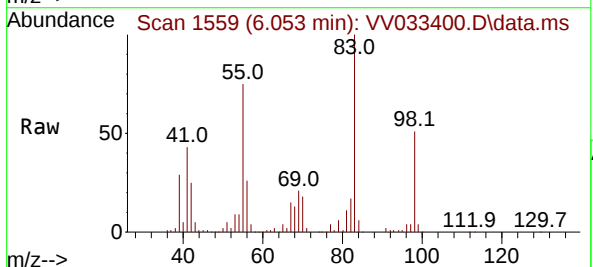
Tgt Ion: 83 Resp: 88903

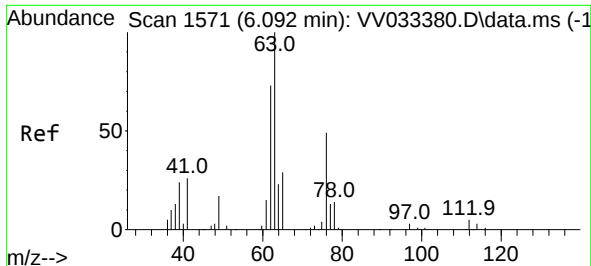
Ion Ratio Lower Upper

83 100

55 77.7 58.6 88.0

98 51.2 40.9 61.3





#37

1,2-Dichloropropane

Concen: 51.639 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

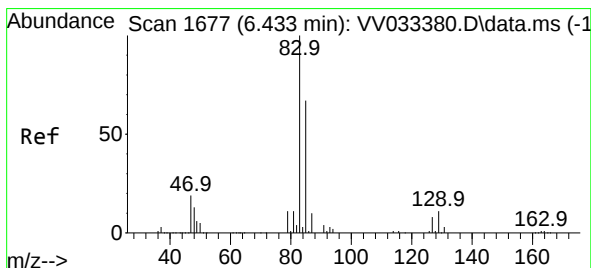
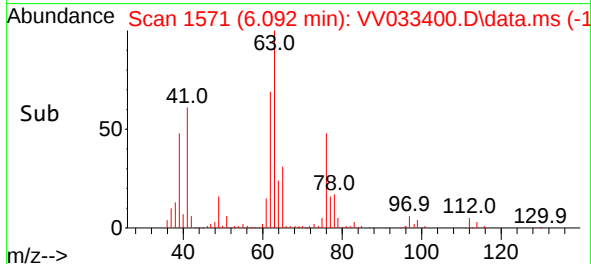
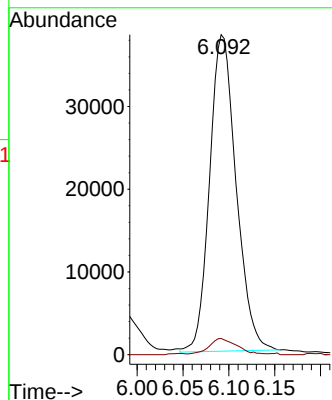
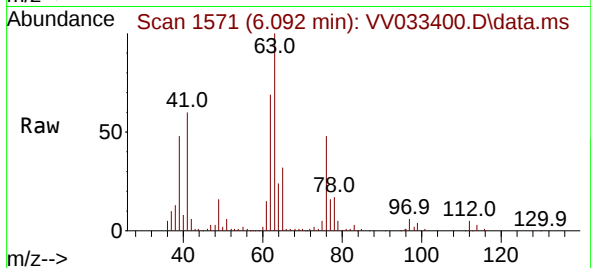
YCHB6MS

Tgt Ion: 63 Resp: 77143

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 52.928 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

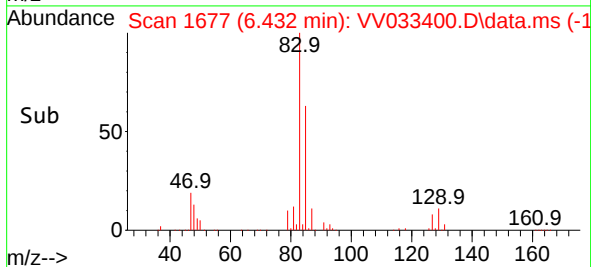
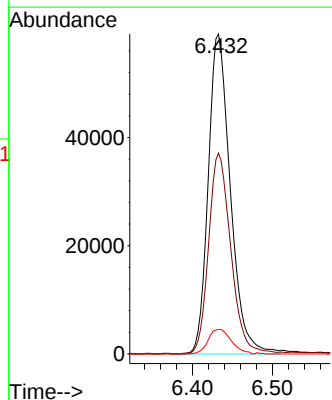
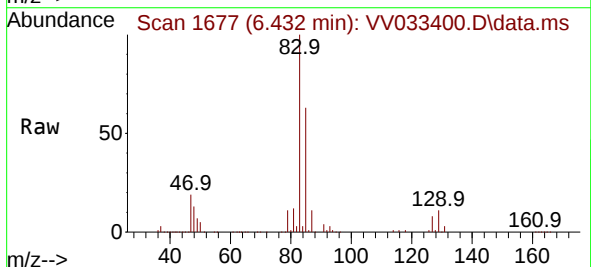
Tgt Ion: 83 Resp: 113802

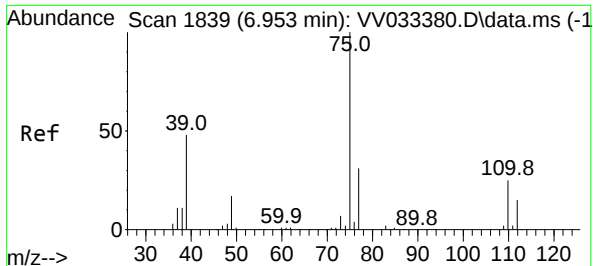
Ion Ratio Lower Upper

83 100

85 62.8 45.2 84.0

127 7.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 53.141 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

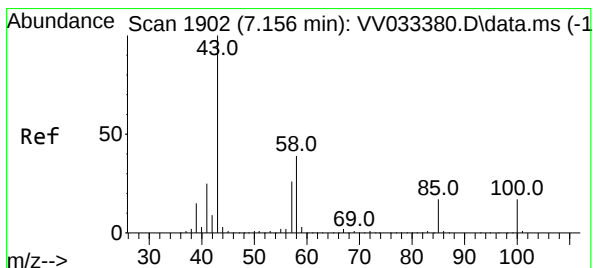
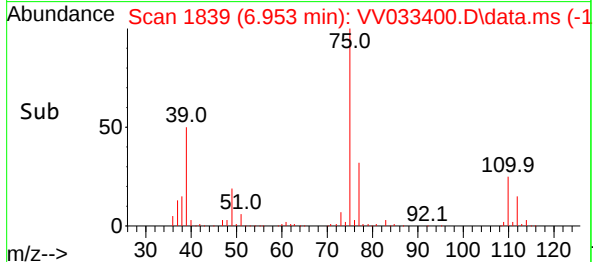
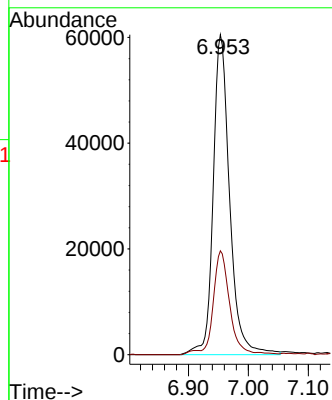
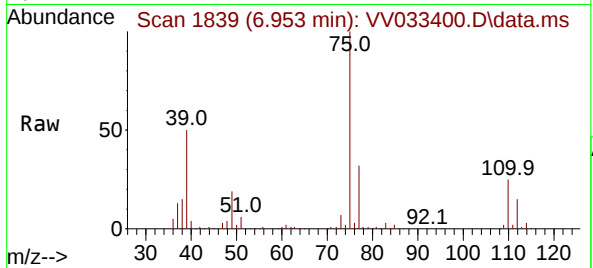
YCHB6MS

Tgt Ion: 75 Resp: 115491

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 125.573 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

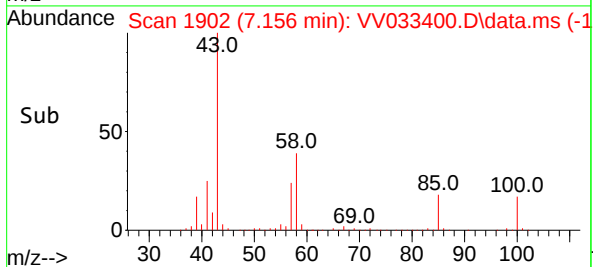
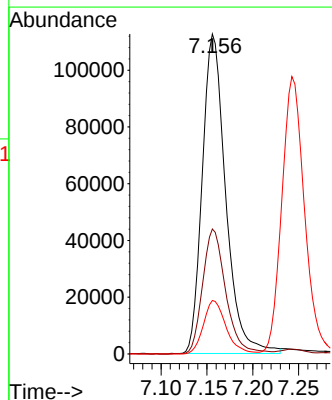
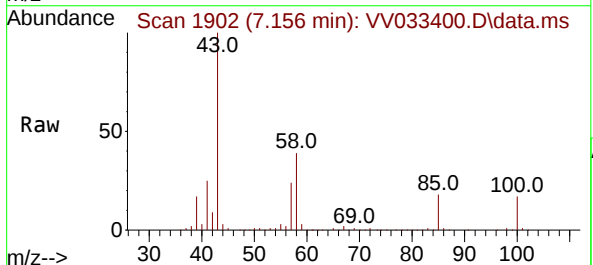
Tgt Ion: 43 Resp: 200190

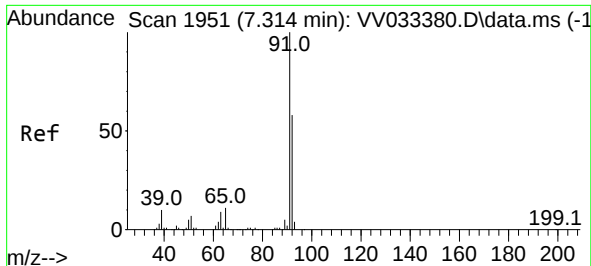
Ion Ratio Lower Upper

43 100

58 38.5 30.7 46.1

100 16.2 13.6 20.4





#42

Toluene

Concen: 53.590 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

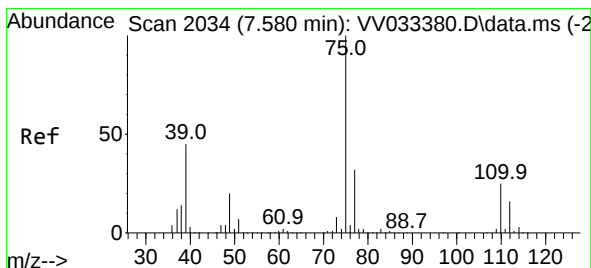
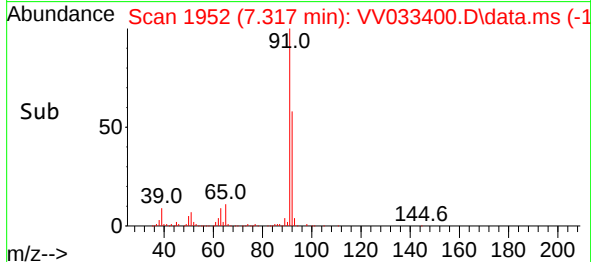
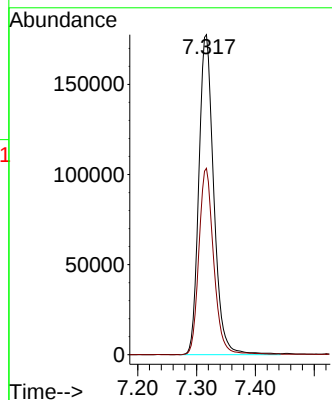
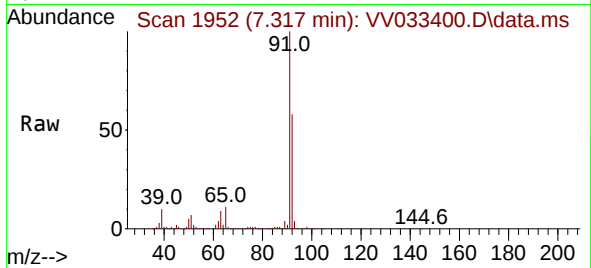
YCHB6MS

Tgt Ion: 91 Resp: 312886

Ion Ratio Lower Upper

91 100

92 58.3 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 52.816 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV033400.D

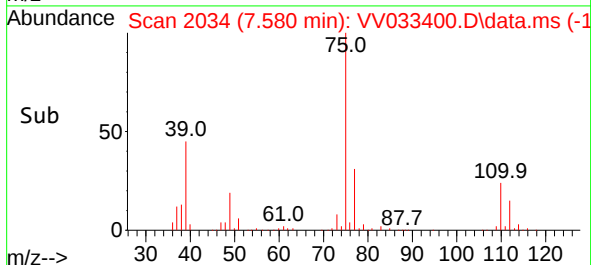
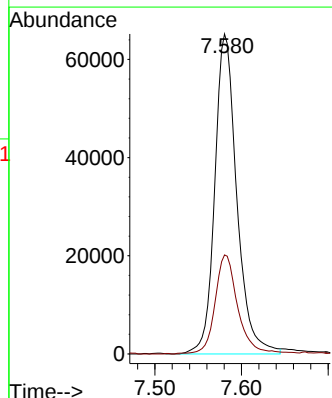
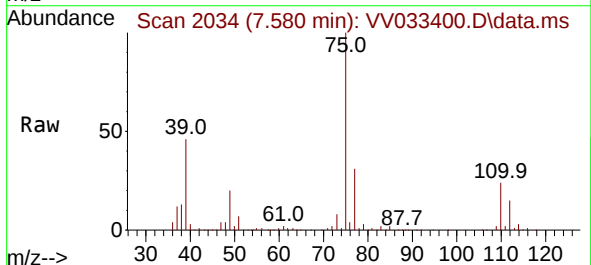
Acq: 16 Dec 2023 00:13

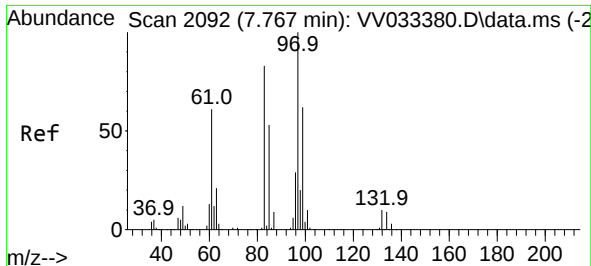
Tgt Ion: 75 Resp: 115182

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6

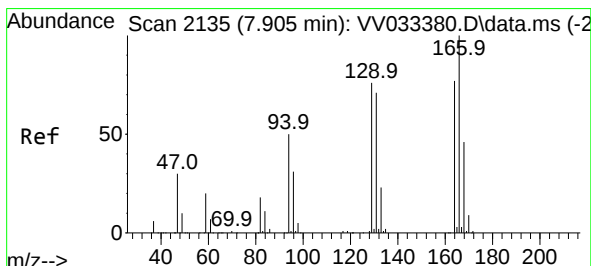
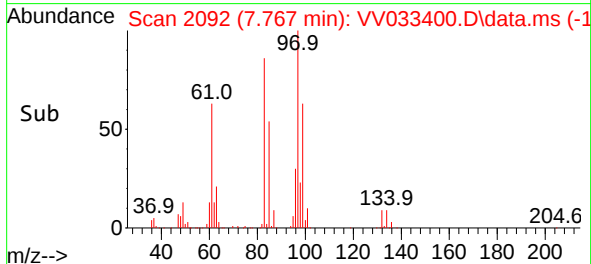
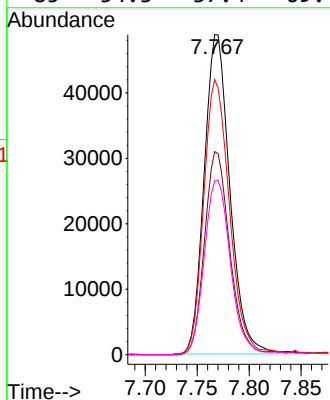
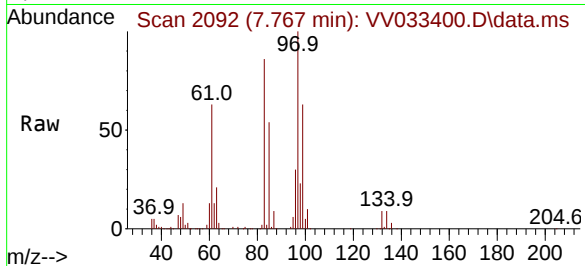




#45  
1,1,2-Trichloroethane  
Concen: 53.706 ug/L  
RT: 7.767 min Scan# 2092  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

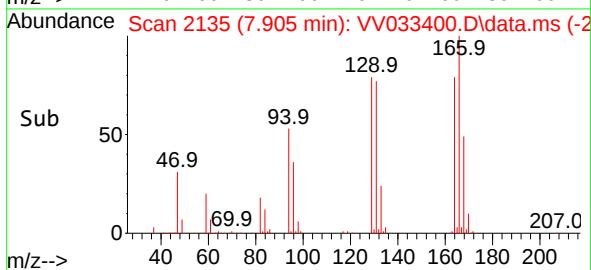
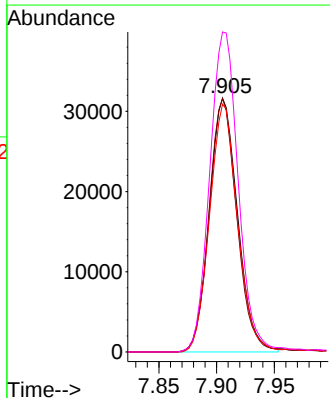
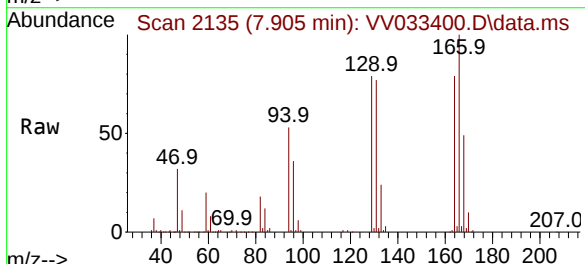
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

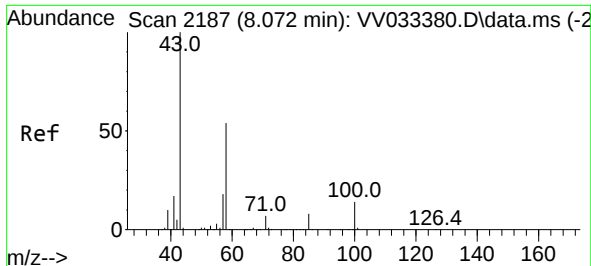
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 83623 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.5  | 43.5  | 80.7  |
| 83       | 86.0  | 61.0  | 113.4 |
| 85       | 54.3  | 37.4  | 69.4  |



#46  
Tetrachloroethene  
Concen: 45.579 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 53822 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 99.7  | 68.9  | 127.9 |
| 131      | 97.6  | 65.3  | 121.3 |
| 166      | 126.1 | 86.9  | 161.3 |

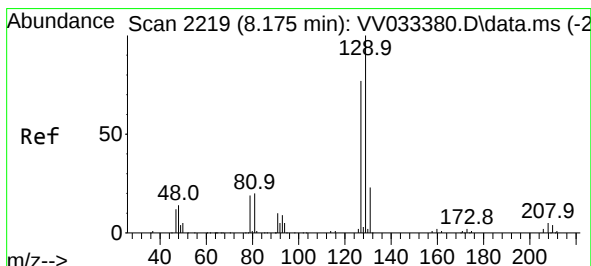
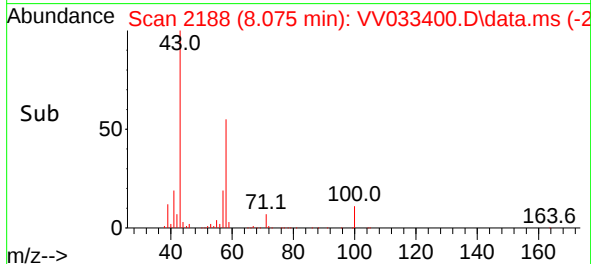
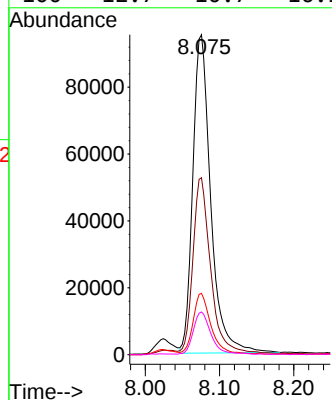
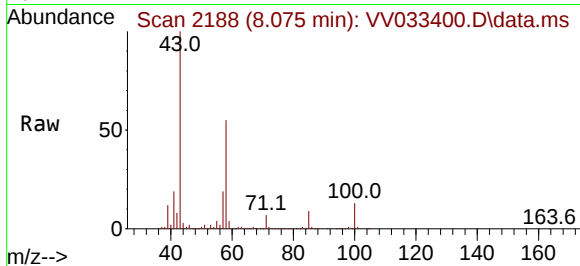




#48  
2-Hexanone  
Concen: 120.493 ug/L  
RT: 8.075 min Scan# 2187  
Delta R.T. 0.003 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

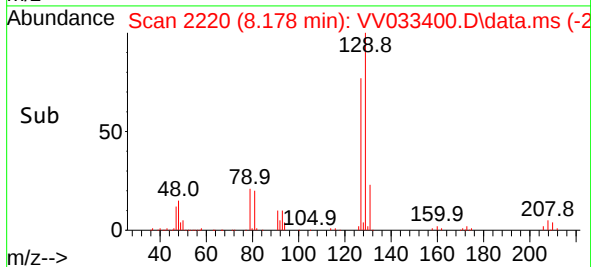
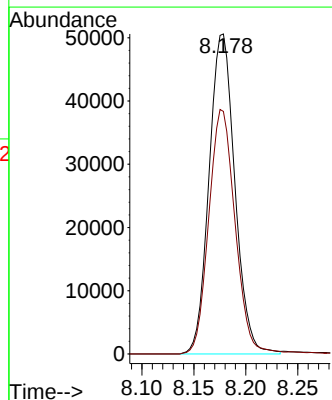
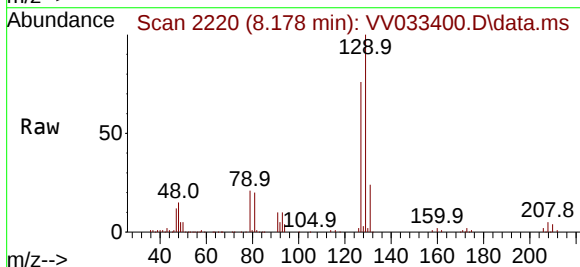
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

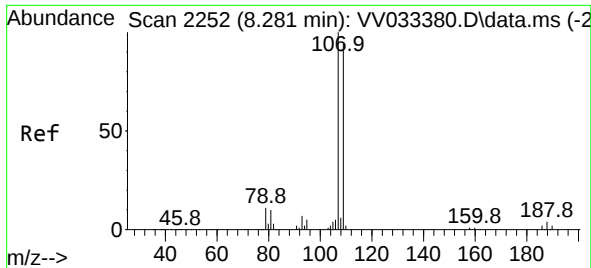
Tgt Ion: 43 Resp: 160216  
Ion Ratio Lower Upper  
43 100  
58 54.2 43.0 64.6  
57 19.1 14.7 22.1  
100 12.7 10.7 16.1



#49  
Dibromochloromethane  
Concen: 53.142 ug/L  
RT: 8.178 min Scan# 2220  
Delta R.T. 0.003 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion: 129 Resp: 87495  
Ion Ratio Lower Upper  
129 100  
127 75.8 53.3 98.9

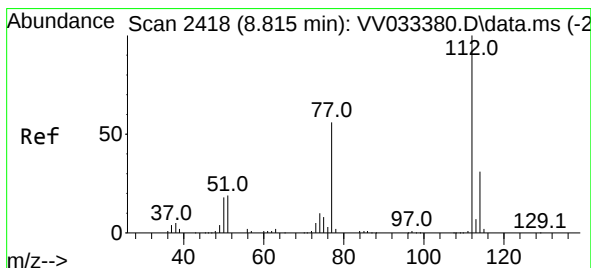
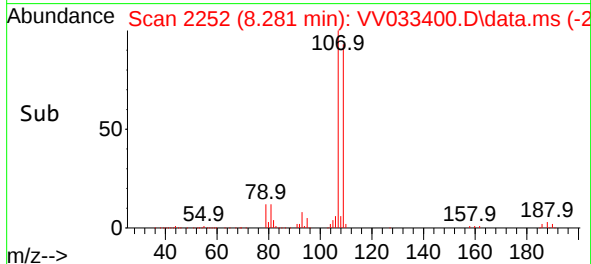
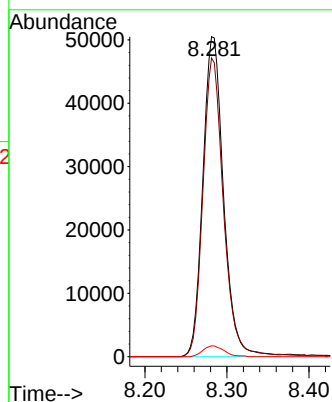
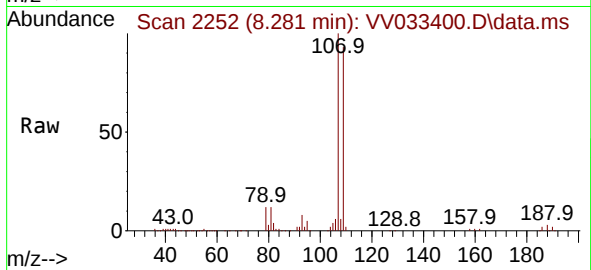




#50  
1,2-Dibromoethane  
Concen: 55.197 ug/L  
RT: 8.281 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

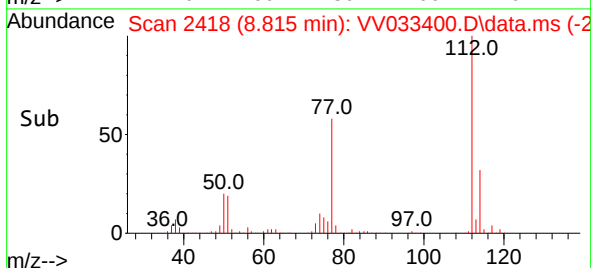
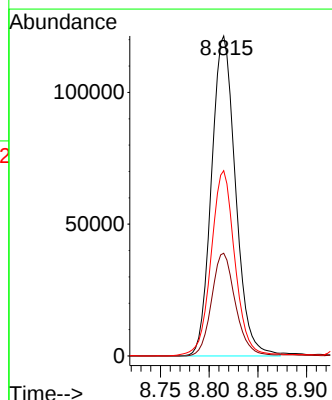
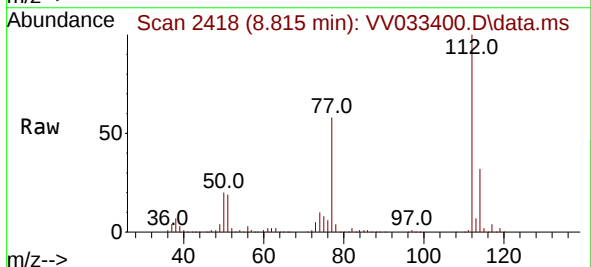
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

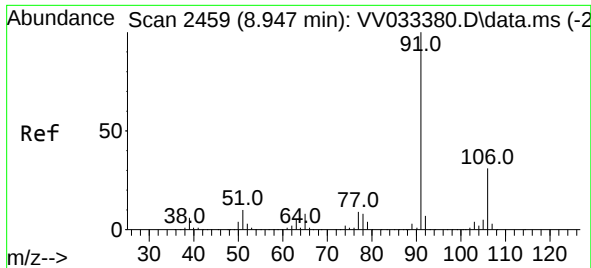
Tgt Ion:107 Resp: 88593  
Ion Ratio Lower Upper  
107 100  
109 93.3 64.2 119.2  
188 3.7 2.9 4.3



#51  
Chlorobenzene  
Concen: 49.560 ug/L  
RT: 8.815 min Scan# 2418  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion:112 Resp: 208531  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.5 41.7  
77 57.9 45.2 67.8

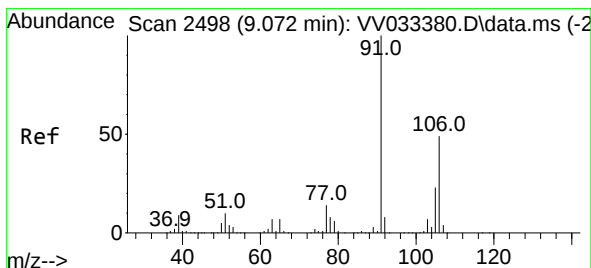
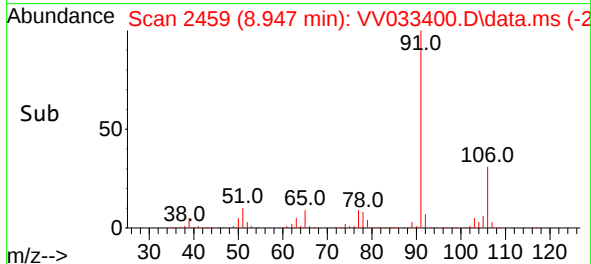
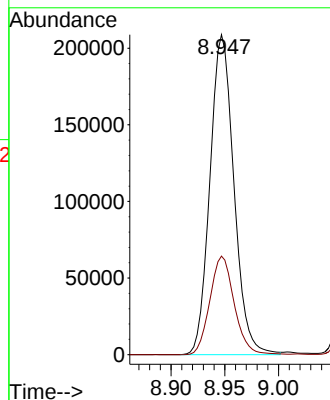
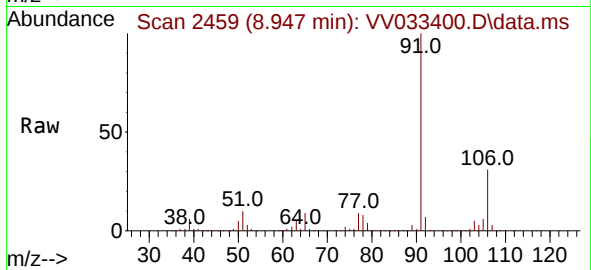




#52  
Ethylbenzene  
Concen: 49.836 ug/L  
RT: 8.947 min Scan# 2459  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

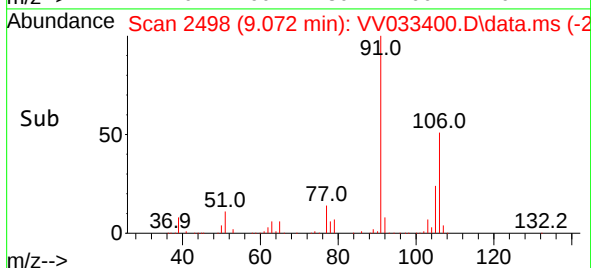
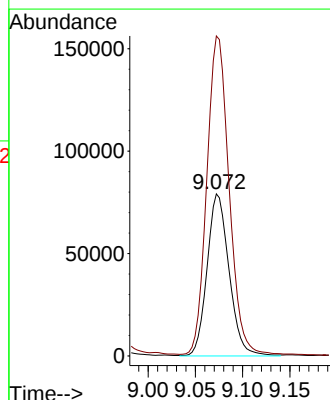
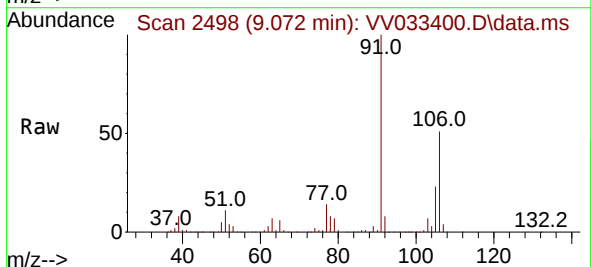
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

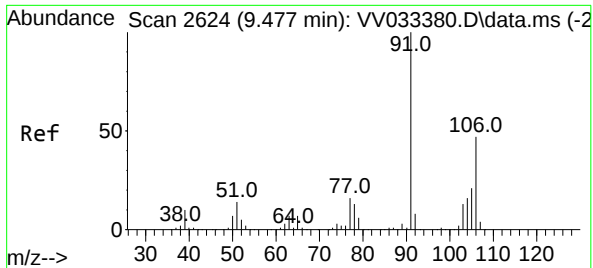
Tgt Ion: 91 Resp: 324046  
Ion Ratio Lower Upper  
91 100  
106 30.8 21.6 40.2



#53  
m,p-Xylene  
Concen: 52.437 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion: 106 Resp: 128099  
Ion Ratio Lower Upper  
106 100  
91 197.4 143.0 265.6

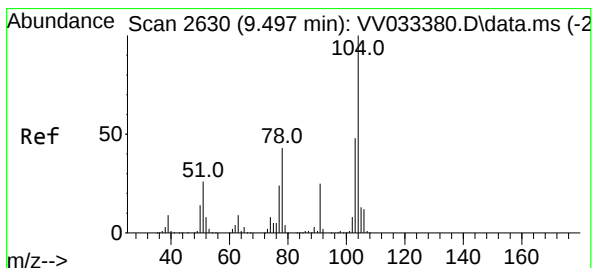
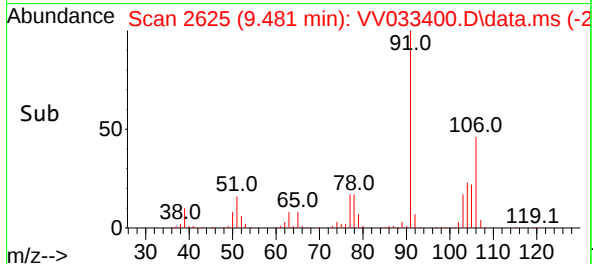
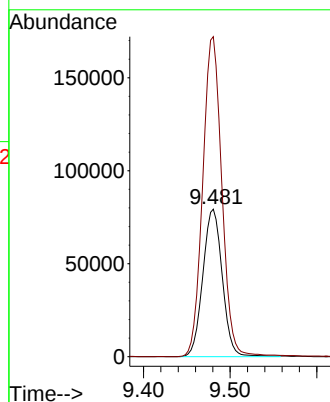
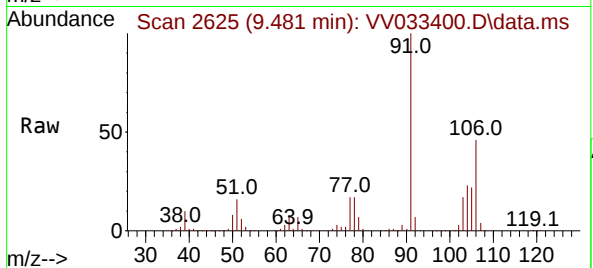




#54  
o-Xylene  
Concen: 52.261 ug/L  
RT: 9.481 min Scan# 2625  
Delta R.T. 0.003 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

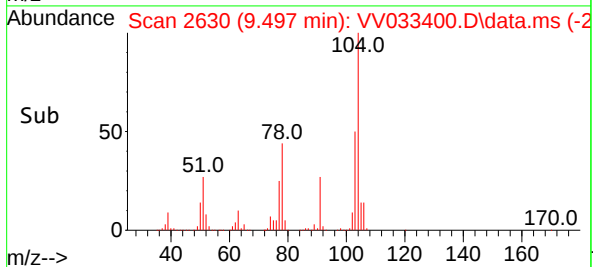
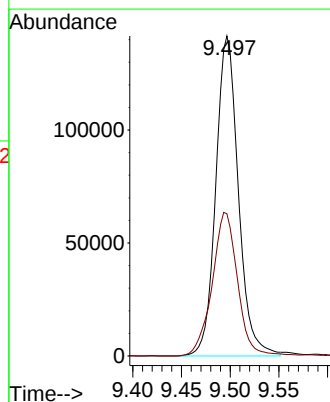
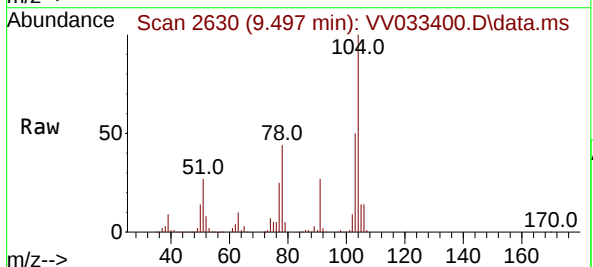
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

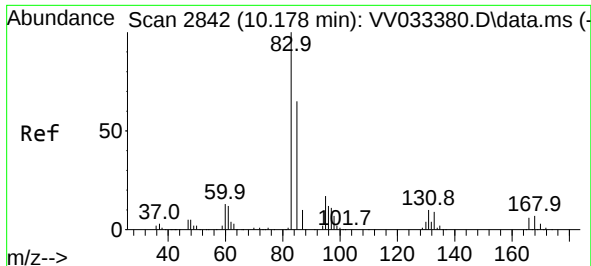
Tgt Ion:106 Resp: 123969  
Ion Ratio Lower Upper  
106 100  
91 216.9 149.7 278.1



#55  
Styrene  
Concen: 54.524 ug/L  
RT: 9.497 min Scan# 2630  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion:104 Resp: 228257  
Ion Ratio Lower Upper  
104 100  
78 44.4 30.2 56.2

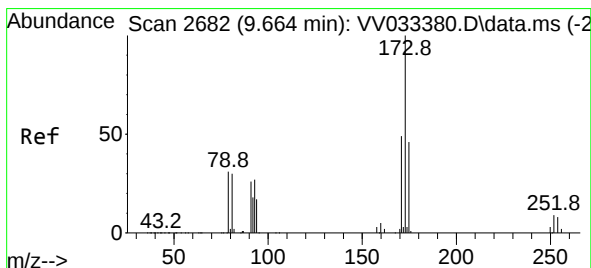
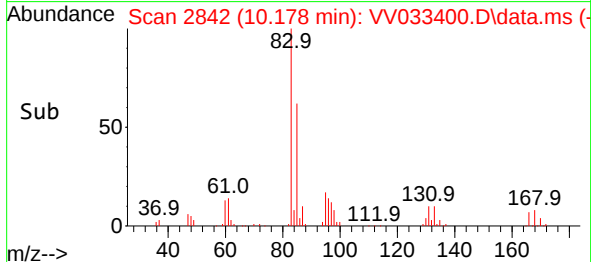
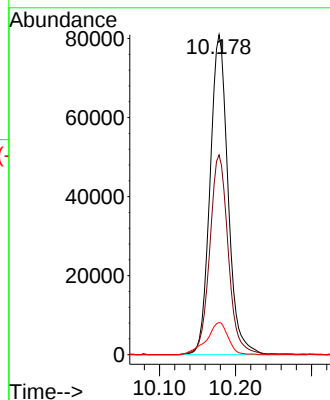
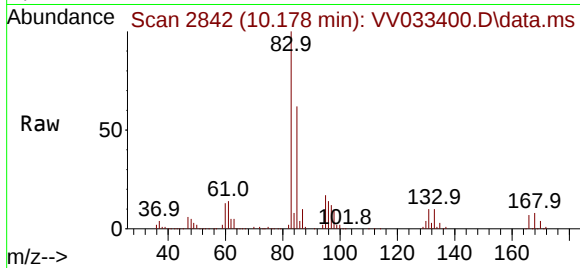




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 55.716 ug/L  
 RT: 10.178 min Scan# 2842  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

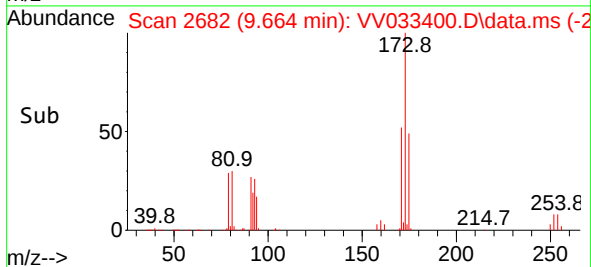
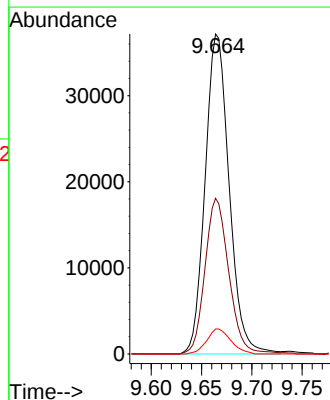
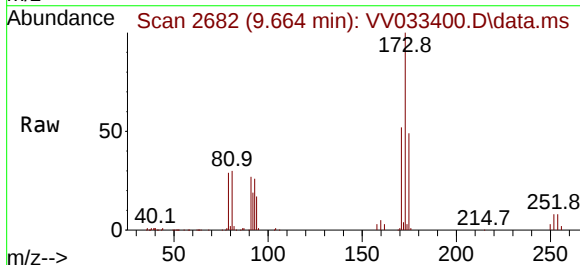
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCHB6MS

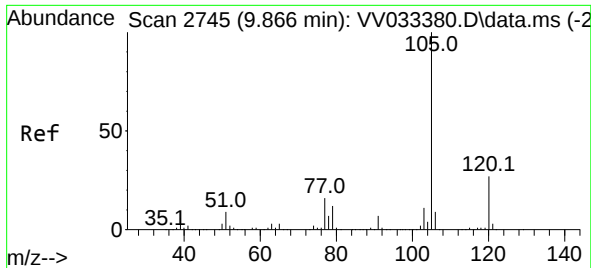
Tgt Ion: 83 Resp: 133237  
 Ion Ratio Lower Upper  
 83 100  
 85 62.4 44.8 83.2  
 131 10.1 8.6 12.8



#59  
 Bromoform  
 Concen: 52.918 ug/L  
 RT: 9.664 min Scan# 2682  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

Tgt Ion: 173 Resp: 61703  
 Ion Ratio Lower Upper  
 173 100  
 175 48.3 38.8 58.2  
 254 7.9 5.8 8.8

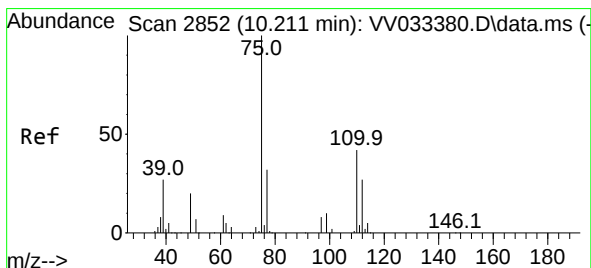
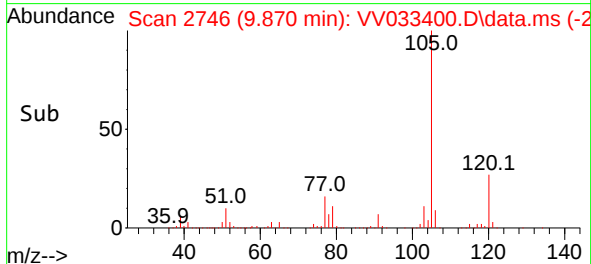
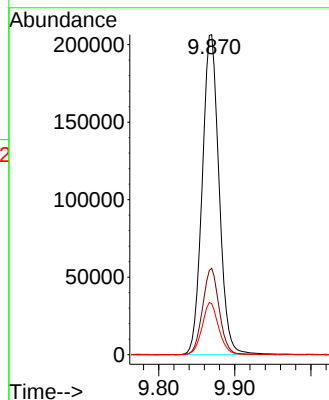
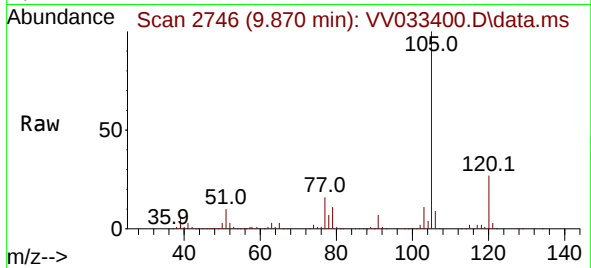




#60  
Isopropylbenzene  
Concen: 49.498 ug/L  
RT: 9.870 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

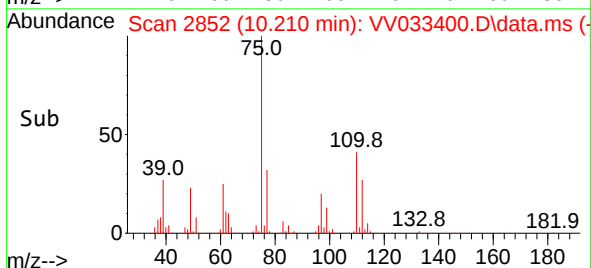
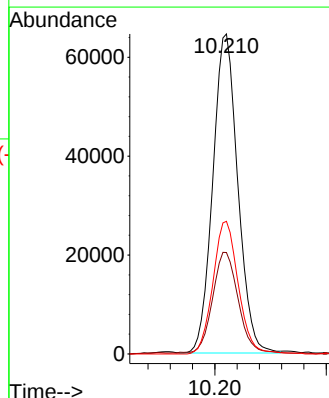
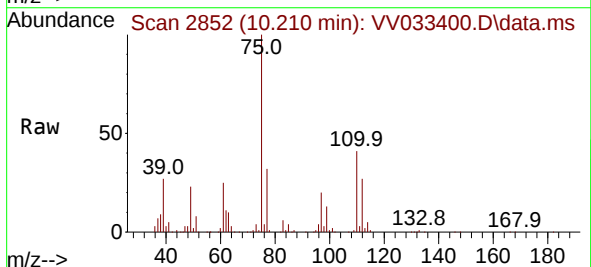
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

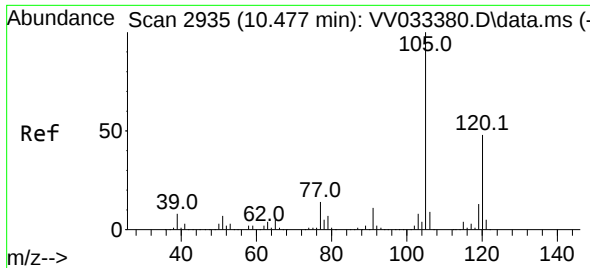
Tgt Ion:105 Resp: 317678  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.2 31.8  
77 16.1 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 55.538 ug/L  
RT: 10.210 min Scan# 2852  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion: 75 Resp: 100606  
Ion Ratio Lower Upper  
75 100  
77 33.0 25.7 38.5  
110 42.2 33.9 50.9

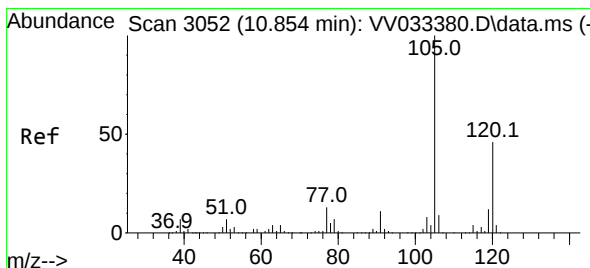
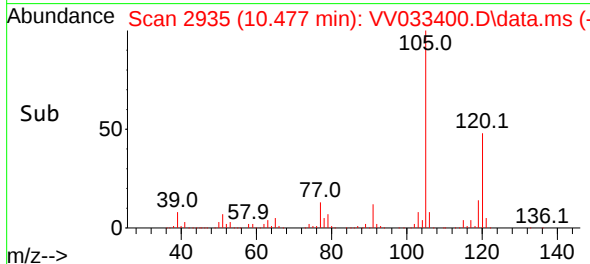
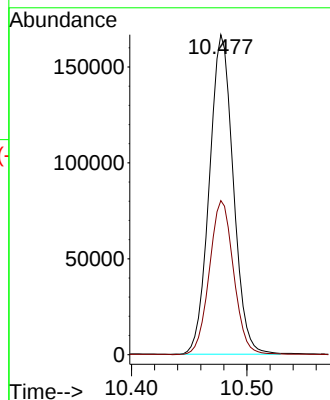
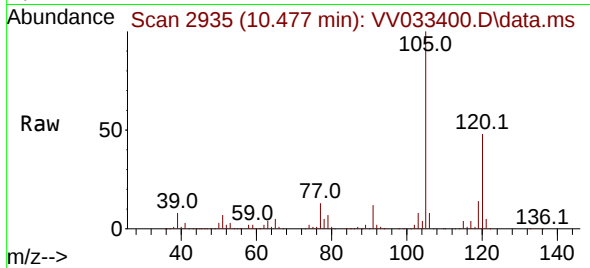




#62  
1,3,5-Trimethylbenzene  
Concen: 49.332 ug/L  
RT: 10.477 min Scan# 2935  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

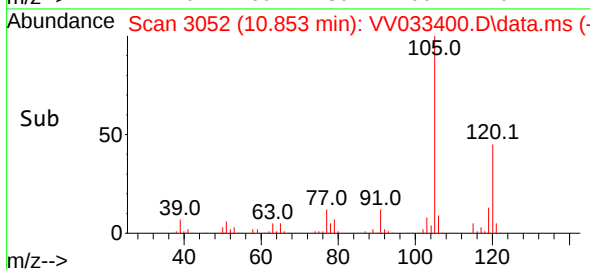
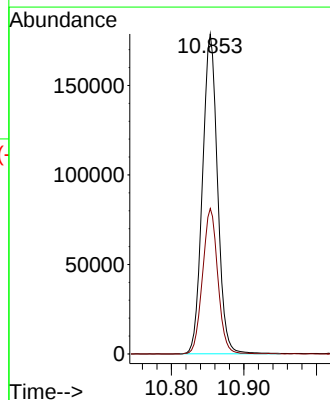
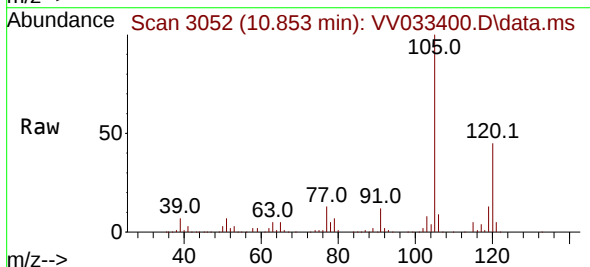
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

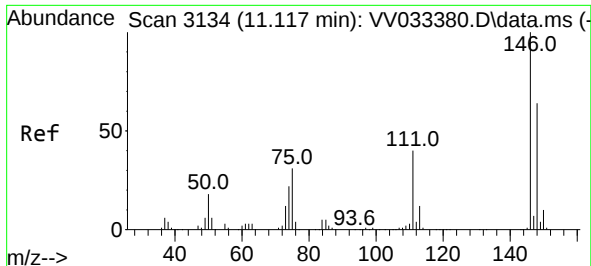
Tgt Ion:105 Resp: 239960  
Ion Ratio Lower Upper  
105 100  
120 49.0 39.5 59.3



#63  
1,2,4-Trimethylbenzene  
Concen: 51.069 ug/L  
RT: 10.853 min Scan# 3052  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion:105 Resp: 257990  
Ion Ratio Lower Upper  
105 100  
120 46.0 36.2 54.4

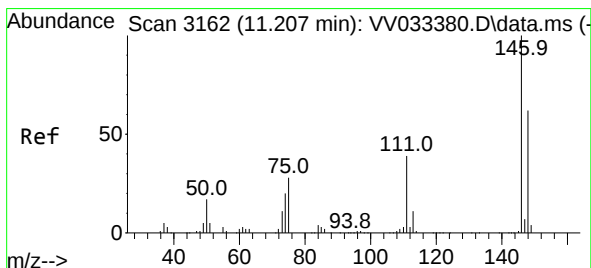
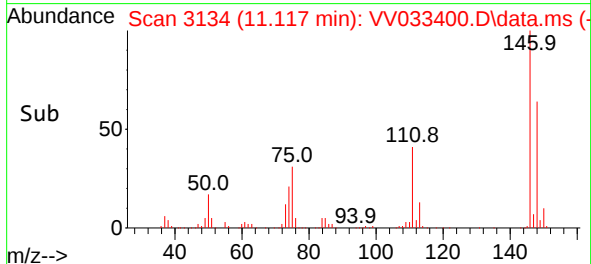
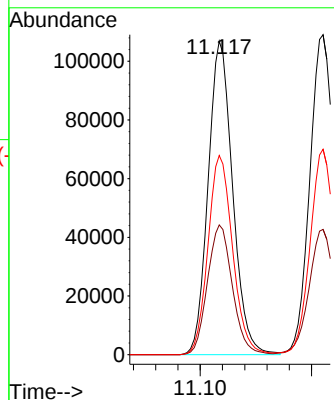
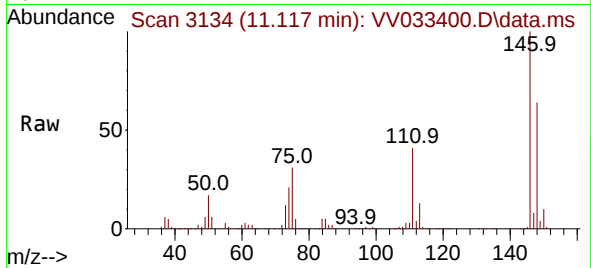




#64  
1,3-Dichlorobenzene  
Concen: 48.993 ug/L  
RT: 11.117 min Scan# 3134  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

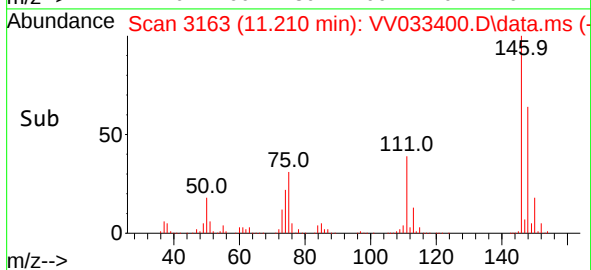
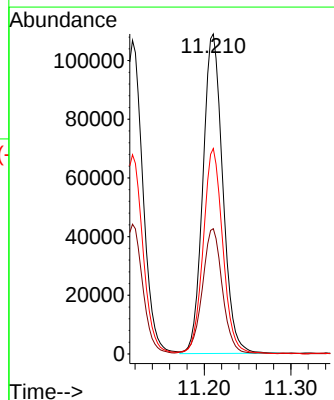
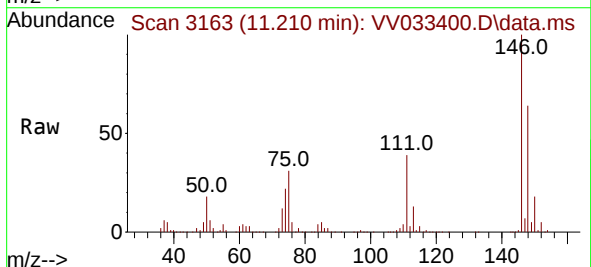
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

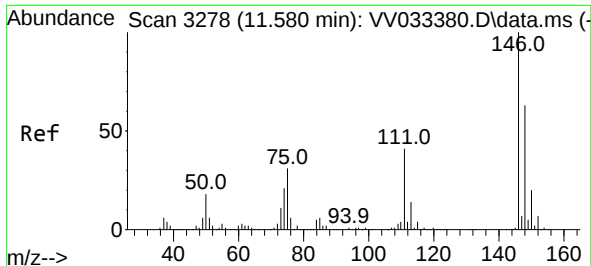
Tgt Ion:146 Resp: 163424  
Ion Ratio Lower Upper  
146 100  
111 41.4 29.3 54.5  
148 63.5 45.4 84.4



#65  
1,4-Dichlorobenzene  
Concen: 48.216 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Tgt Ion:146 Resp: 173099  
Ion Ratio Lower Upper  
146 100  
111 39.2 27.9 51.7  
148 64.2 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 49.490 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA\_V

ClientSampleId :

YCHB6MS

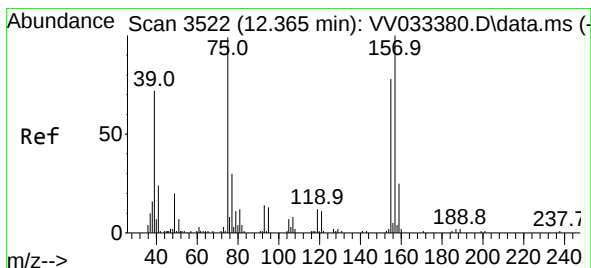
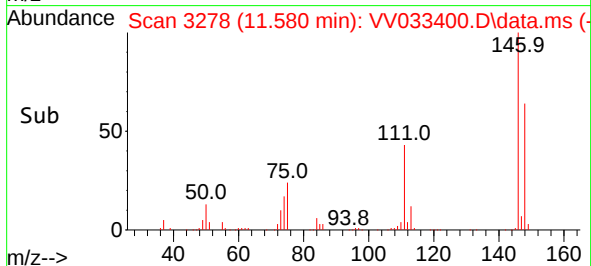
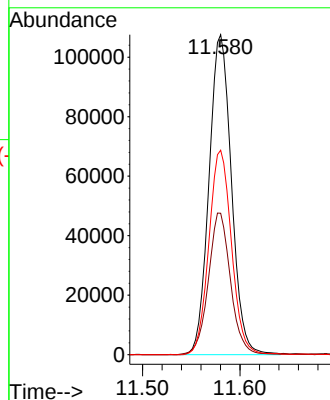
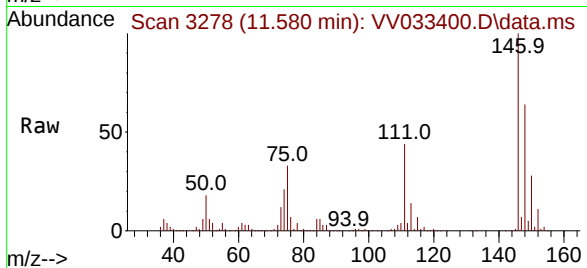
Tgt Ion:146 Resp: 171825

Ion Ratio Lower Upper

146 100

111 44.2 33.5 50.3

148 63.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 57.670 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

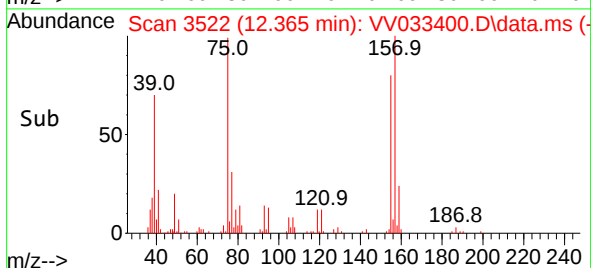
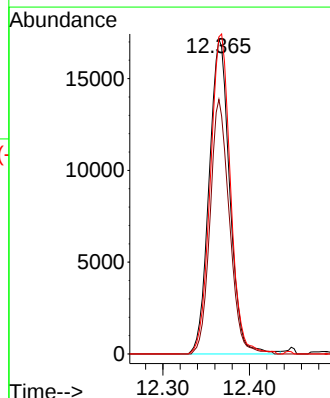
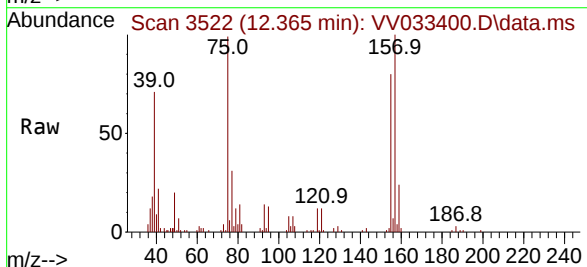
Tgt Ion: 75 Resp: 28299

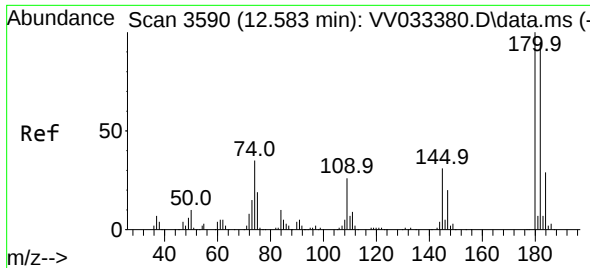
Ion Ratio Lower Upper

75 100

155 80.9 69.4 104.0

157 100.7 81.1 121.7

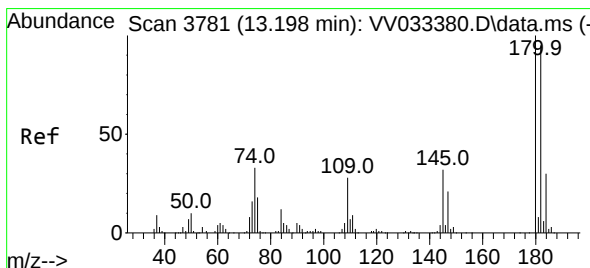
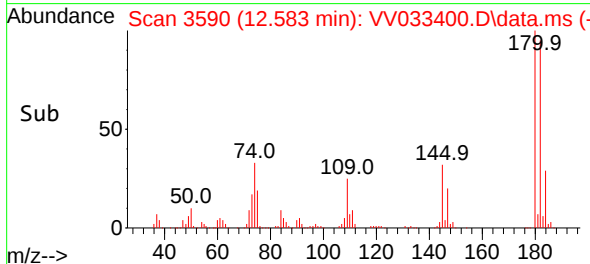
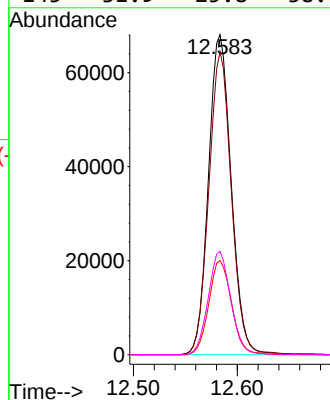
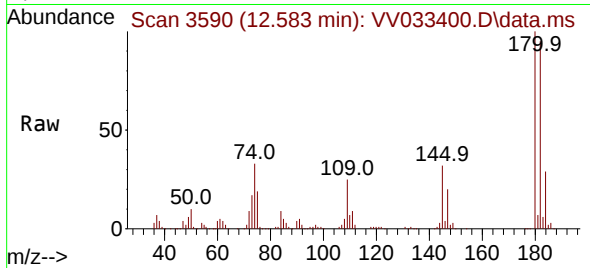




#69  
 1,3,5-Trichlorobenzene  
 Concen: 44.836 ug/L  
 RT: 12.583 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

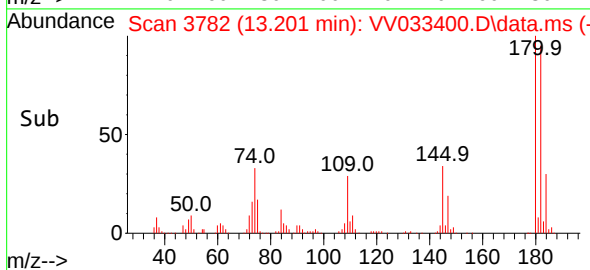
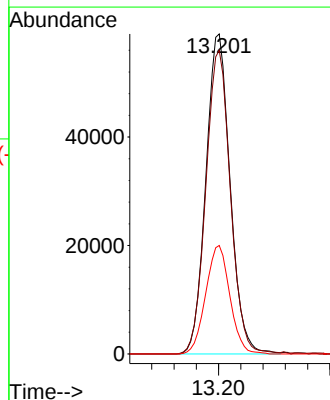
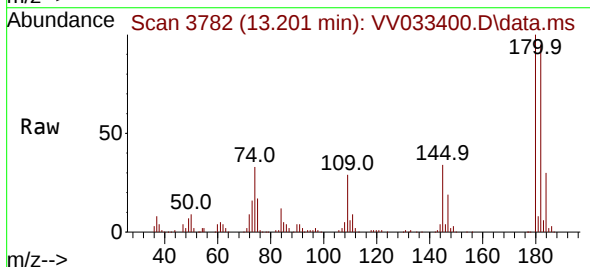
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCHB6MS

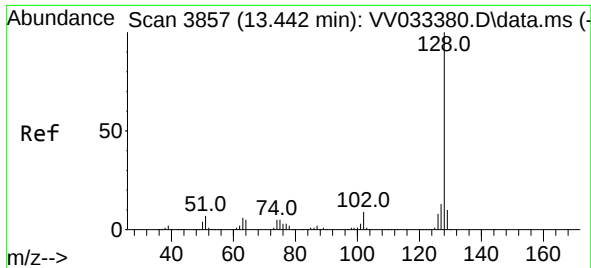
Tgt Ion:180 Resp: 103431  
 Ion Ratio Lower Upper  
 180 100  
 182 94.1 76.2 114.4  
 184 29.4 24.4 36.6  
 145 31.9 25.8 38.6



#70  
 1,2,4-trichlorobenzene  
 Concen: 44.324 ug/L  
 RT: 13.201 min Scan# 3782  
 Delta R.T. 0.003 min  
 Lab File: VV033400.D  
 Acq: 16 Dec 2023 00:13

Tgt Ion:180 Resp: 89381  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 76.1 114.1  
 145 33.7 25.6 38.4

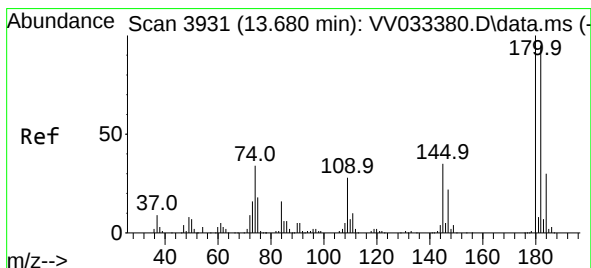
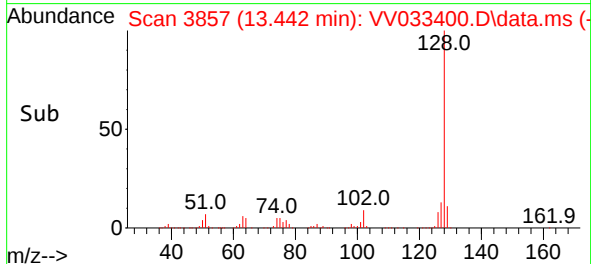
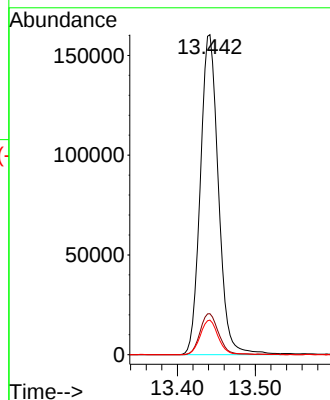
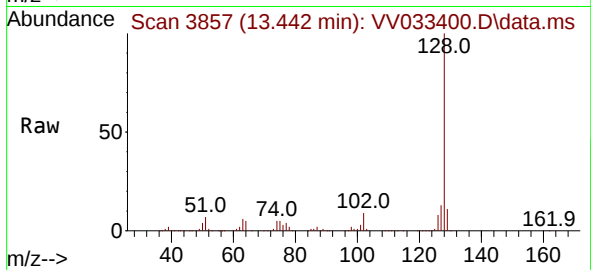




#71  
Naphthalene  
Concen: 47.617 ug/L  
RT: 13.442 min Scan# 3857  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

Instrument :  
MSVOA\_V  
ClientSampleId :  
YCHB6MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 258345 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.0  | 10.4  | 15.6   |
| 129      | 10.8  | 8.8   | 13.2   |



#72  
1,2,3-Trichlorobenzene  
Concen: 50.223 ug/L  
RT: 13.680 min Scan# 3931  
Delta R.T. -0.000 min  
Lab File: VV033400.D  
Acq: 16 Dec 2023 00:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 99061 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.4  | 76.2  | 114.2 |
| 145      | 33.7  | 27.1  | 40.7  |

