

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101824\  
 Data File : VW030673.D  
 Acq On : 18 Oct 2024 18:40  
 Operator : SY/MD  
 Sample : P4429-18MSD  
 Misc : 5.05g/13mL/MSVOA\_W/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 19 00:30:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Oct 19 00:23:37 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 260882   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 244148   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 121722   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 68281    | 16.651   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 66.600%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 62542    | 20.149   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.600%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 30501    | 17.883   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 71.520%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 32683    | 44.288   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 88.580%  |
| 24) Chloroform-d              | 7.654  | 84    | 162050   | 21.720   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 86.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 81949    | 21.123   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 84.480%  |
| 32) Benzene-d6                | 8.276  | 84    | 292796   | 20.663   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 82.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 89215    | 21.450   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 85.800%  |
| 41) Toluene-d8                | 10.319 | 98    | 260524   | 20.140   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 80.560%  |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 33775    | 19.393   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 77.560%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 25490    | 47.583   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 95.160%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 70009    | 22.920   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 91.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.854 | 152   | 90544    | 21.984   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 87.920%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 69548    | 20.866   | ug/L   | 98       |
| 3) Chloromethane              | 2.222  | 50    | 86101    | 22.226   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 111873   | 23.483   | ug/L   | 93       |
| 6) Bromomethane               | 2.795  | 94    | 76738    | 24.472   | ug/L   | 92       |
| 8) Chloroethane               | 2.936  | 64    | 72254    | 24.810   | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 99392    | 23.316   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 90882    | 23.697   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 81973    | 23.420   | ug/L   | 85       |
| 13) Acetone                   | 4.118  | 43    | 38622    | 35.748   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.393  | 76    | 237345   | 20.765   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.679  | 43    | 31576    | 23.660   | ug/L   | 98       |
| 16) Methylene chloride        | 4.923  | 84    | 92660    | 23.494   | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 89924    | 23.809   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 137281   | 25.971   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 177231   | 25.248   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 99992    | 24.821   | ug/L   | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 45837    | 39.359   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.514  | 128   | 42233    | 23.964   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 187151   | 24.949   | ug/L   | 98       |

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 Quant Title : SFAM01.0  
 QLast Update : Sat Oct 19 00:23:37 2024  
 Response via : Initial Calibration

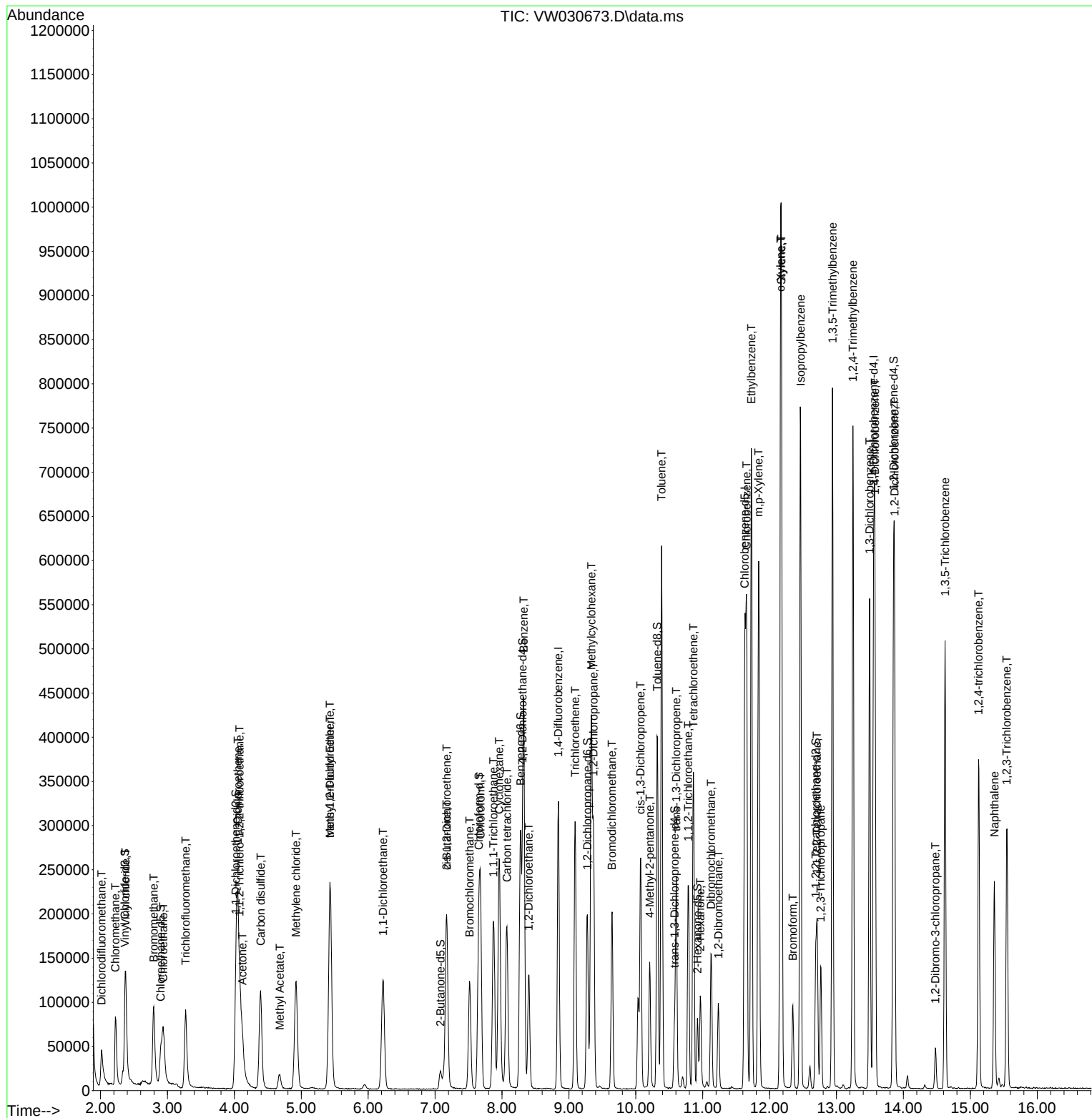
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 116763   | 23.594 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 141273   | 23.771 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 155243   | 23.953 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 136724   | 23.619 | ug/L  | 97       |
| 33) Benzene                   | 8.325  | 78   | 390813   | 24.598 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 103393   | 23.391 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 161972   | 23.284 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 101966   | 25.696 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 132193   | 25.039 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 147323   | 24.614 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 92276    | 48.405 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 432123   | 25.494 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 122648   | 24.385 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 69535    | 24.246 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 75728    | 23.229 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 66249    | 42.496 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 76866    | 24.021 | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 61985    | 23.163 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 262209   | 24.031 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 494321   | 25.558 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.837 | 106  | 181814   | 25.092 | ug/L  | 92       |
| 54) o-Xylene                  | 12.166 | 106  | 169297   | 25.272 | ug/L  | 90       |
| 55) Styrene                   | 12.178 | 104  | 298022   | 26.023 | ug/L  | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 77638    | 24.006 | ug/L  | 97       |
| 59) Bromoform                 | 12.349 | 173  | 40624    | 23.754 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.464 | 105  | 481196   | 25.527 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 54091    | 22.837 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 394810   | 26.548 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 380337   | 26.121 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 203719   | 24.829 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 202382   | 23.888 | ug/L  | 91       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 182675   | 25.301 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 11469    | 21.716 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 133330   | 24.642 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 106220   | 24.386 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 182172   | 24.208 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 92063    | 24.380 | ug/L  | 98       |

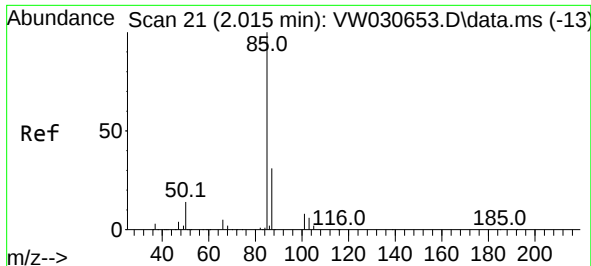
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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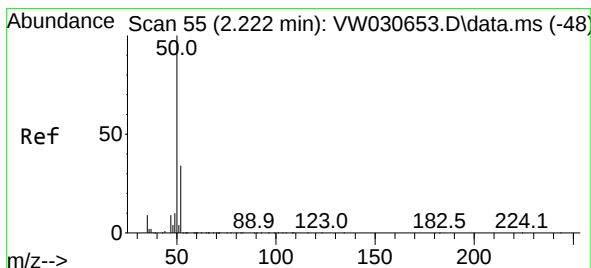
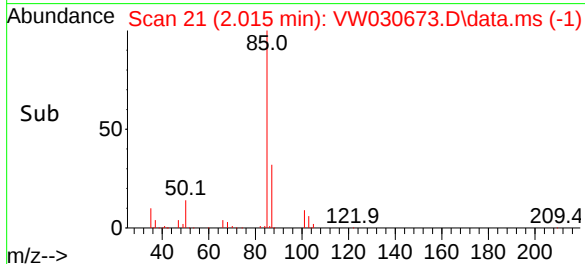
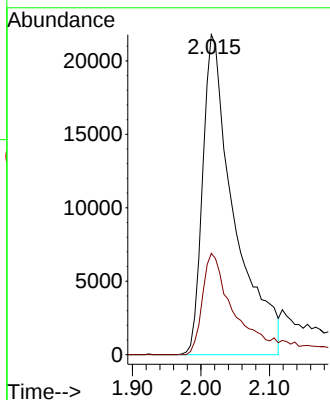
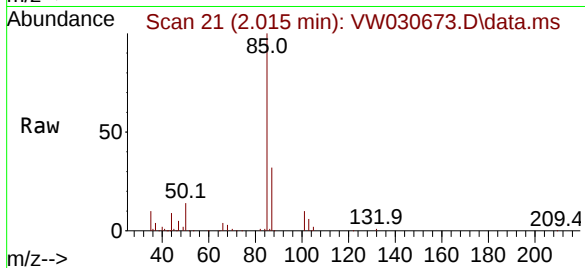




#2  
 Dichlorodifluoromethane  
 Concen: 20.866 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW030673.D  
 Acq: 18 Oct 2024 18:40

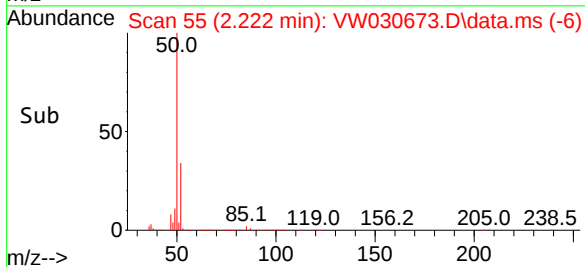
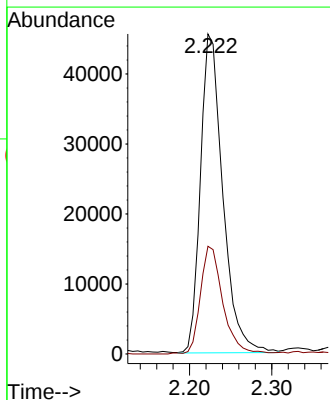
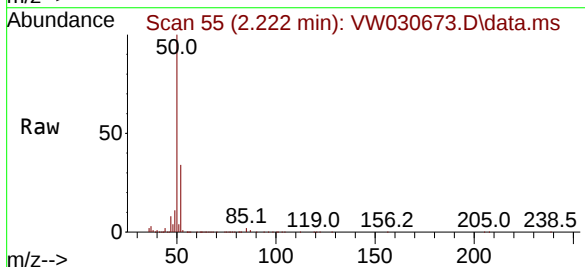
Instrument :  
 MSVOA\_W  
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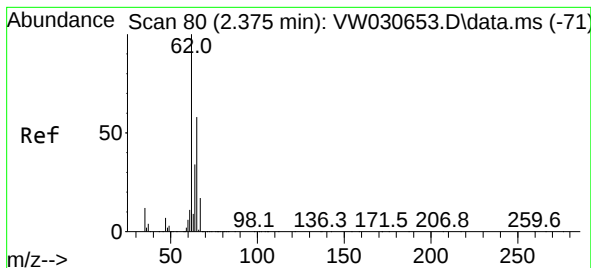
Tgt Ion: 85 Resp: 69548  
 Ion Ratio Lower Upper  
 85 100  
 87 30.8 23.8 35.6



#3  
 Chloromethane  
 Concen: 22.226 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VW030673.D  
 Acq: 18 Oct 2024 18:40

Tgt Ion: 50 Resp: 86101  
 Ion Ratio Lower Upper  
 50 100  
 52 33.7 23.7 43.9





#5

Vinyl chloride

Concen: 23.483 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

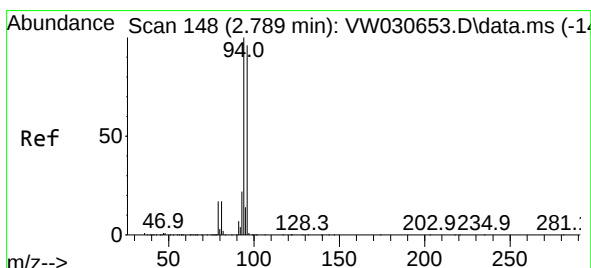
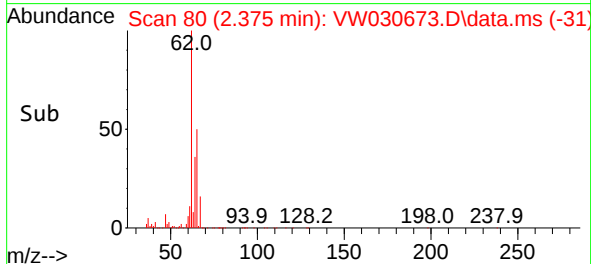
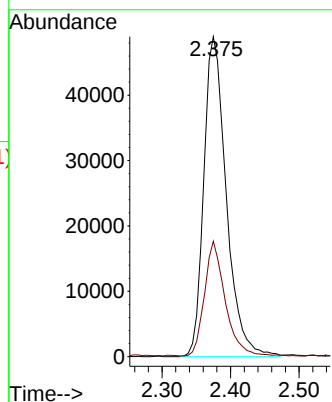
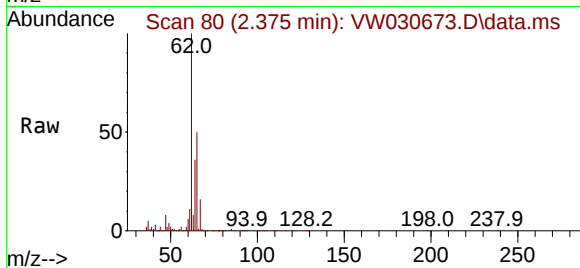
ClientSampleId :

Tgt Ion: 62 Resp: 111873

Ion Ratio Lower Upper

62 100

64 36.1 22.6 42.0



#6

Bromomethane

Concen: 24.472 ug/L

RT: 2.795 min Scan# 149

Delta R.T. 0.006 min

Lab File: VW030673.D

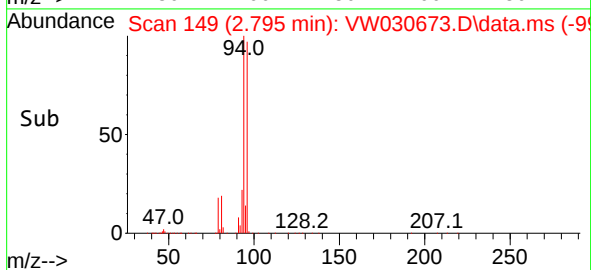
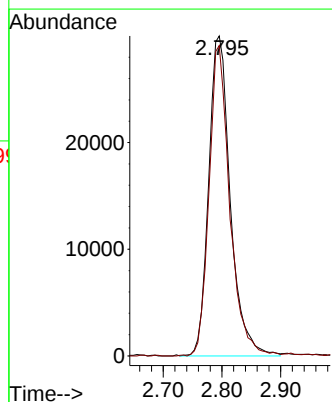
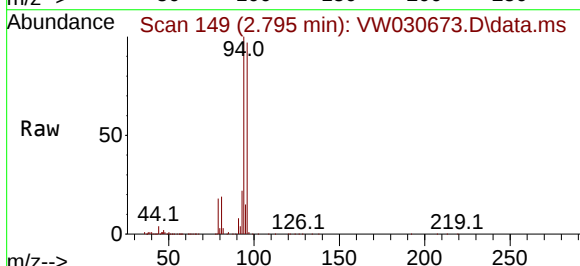
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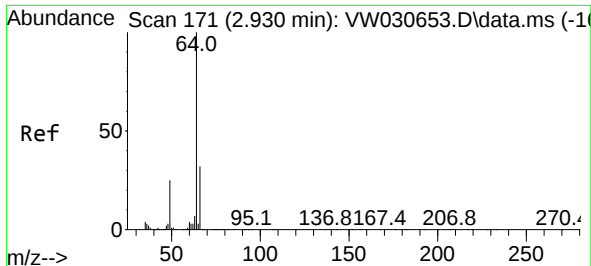
Tgt Ion: 94 Resp: 76738

Ion Ratio Lower Upper

94 100

96 97.0 62.6 116.2

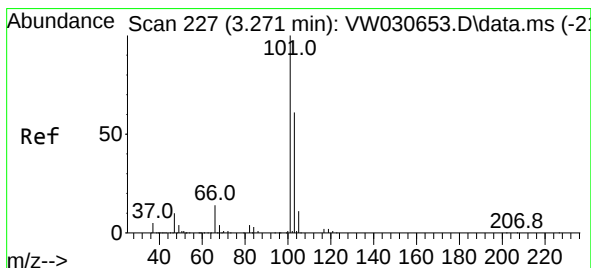
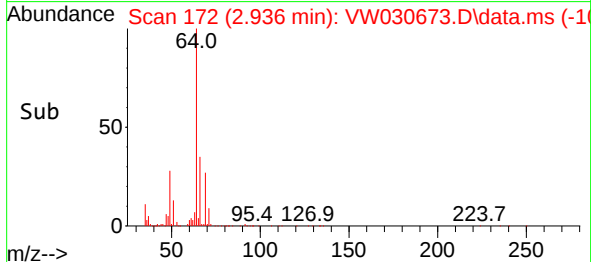
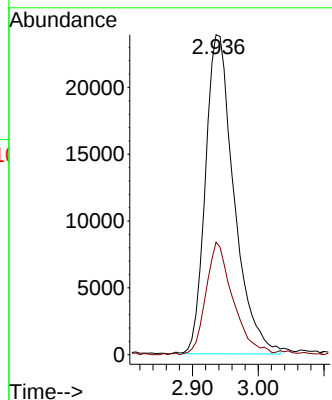
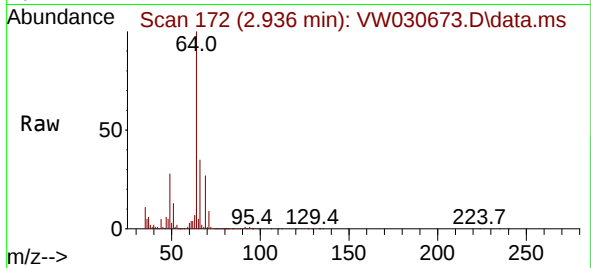




#8  
Chloroethane  
Concen: 24.810 ug/L  
RT: 2.936 min Scan# 171  
Delta R.T. 0.006 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

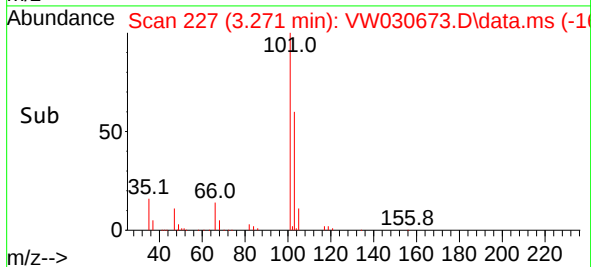
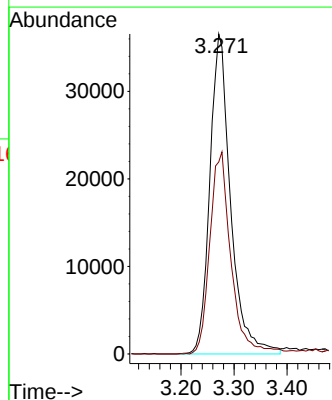
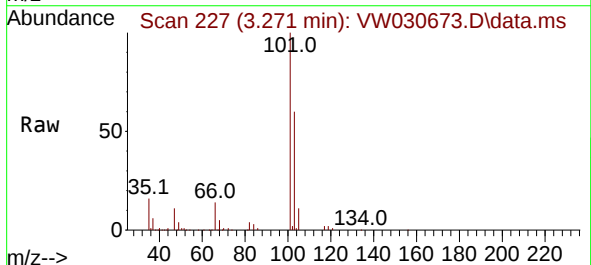
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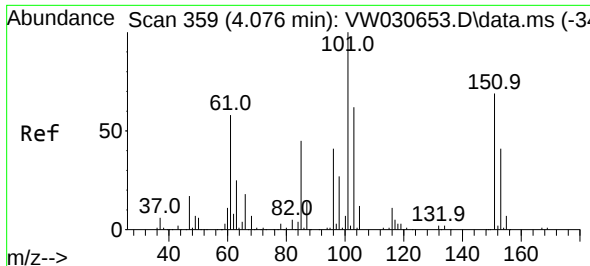
Tgt Ion: 64 Resp: 72254  
Ion Ratio Lower Upper  
64 100  
66 35.2 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 23.316 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Tgt Ion:101 Resp: 99392  
Ion Ratio Lower Upper  
101 100  
103 62.4 51.1 76.7

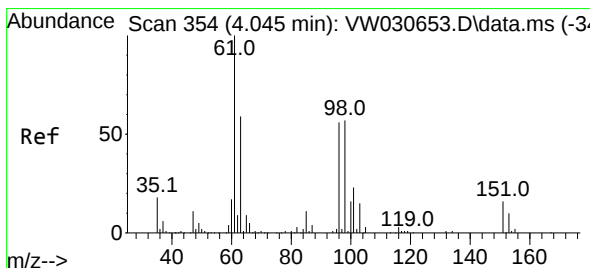
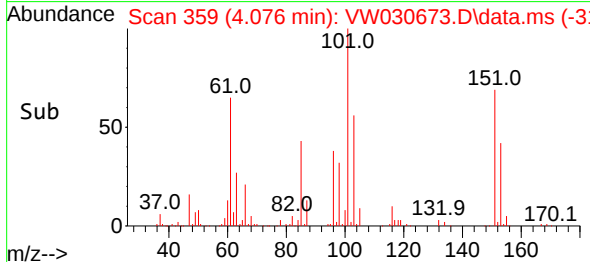
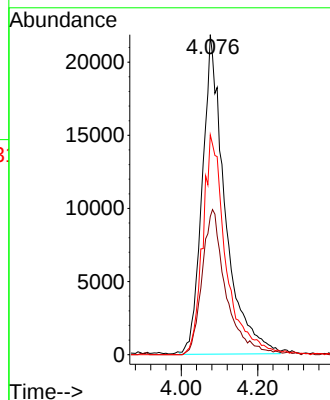
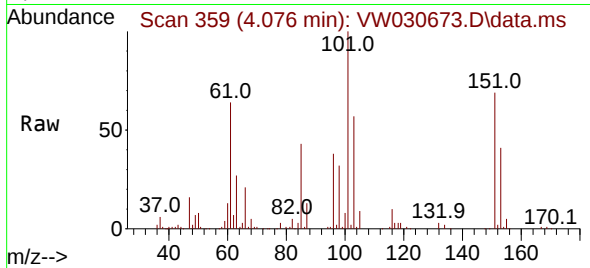




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.697 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. 0.000 min  
 Lab File: VW030673.D  
 Acq: 18 Oct 2024 18:40

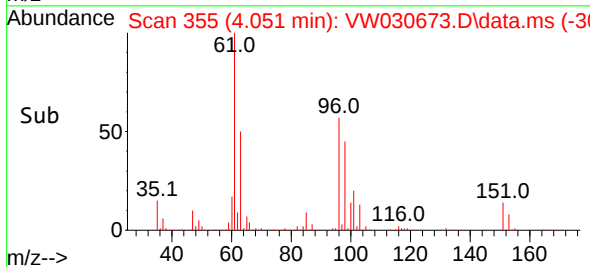
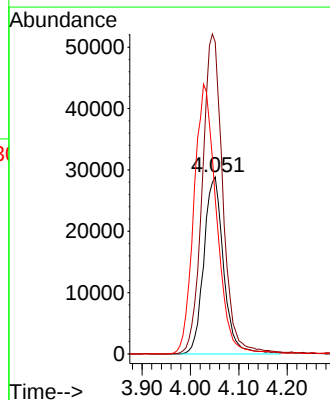
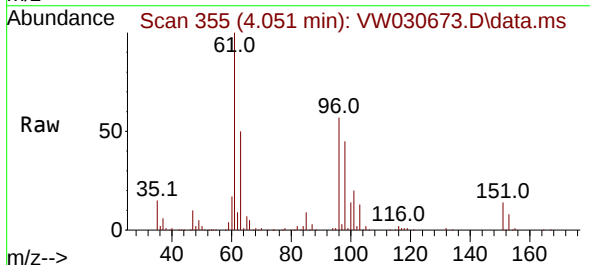
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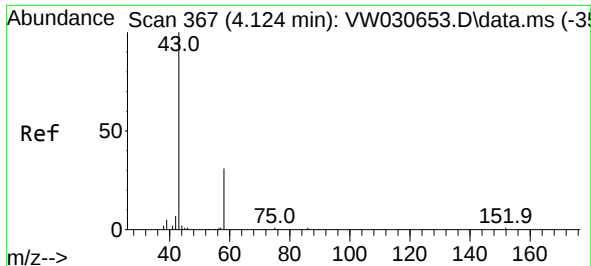
Tgt Ion:101 Resp: 90882  
 Ion Ratio Lower Upper  
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 85 44.8 35.7 53.5  
 151 67.1 56.1 84.1



#12  
 1,1-Dichloroethene  
 Concen: 23.420 ug/L  
 RT: 4.051 min Scan# 355  
 Delta R.T. 0.006 min  
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Tgt Ion: 96 Resp: 81973  
 Ion Ratio Lower Upper  
 96 100  
 61 176.3 121.3 225.3  
 63 87.7 87.6 162.8





#13

Acetone

Concen: 35.748 ug/L

RT: 4.118 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

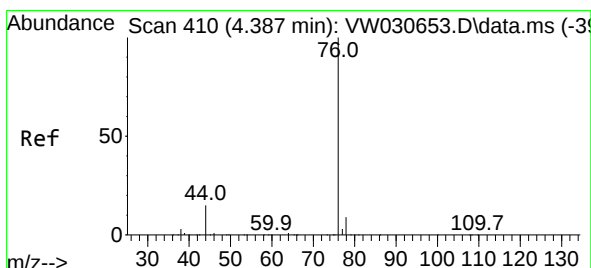
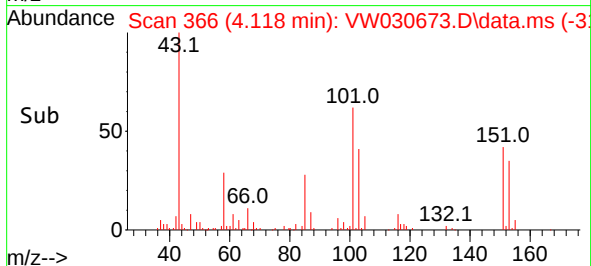
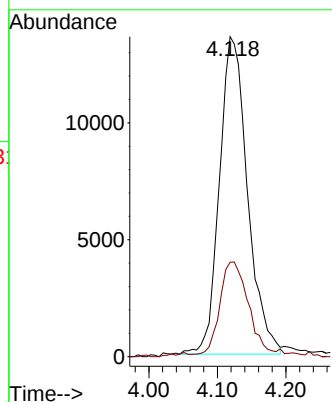
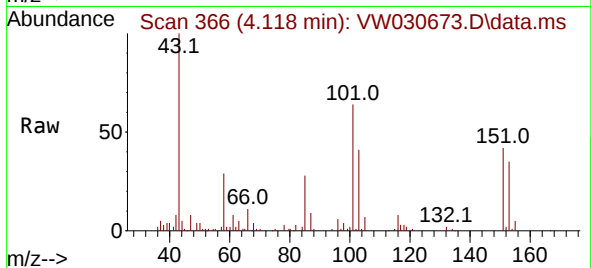
ClientSampleId :

Tgt Ion: 43 Resp: 38622

Ion Ratio Lower Upper

43 100

58 30.9 0.0 57.6



#14

Carbon disulfide

Concen: 20.765 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.006 min

Lab File: VW030673.D

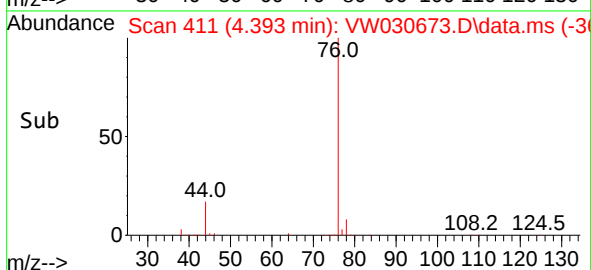
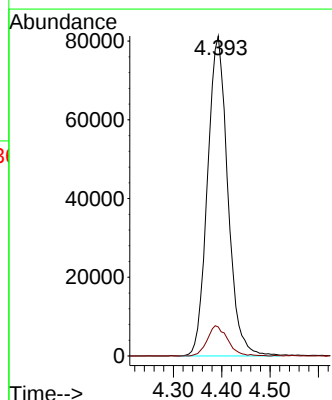
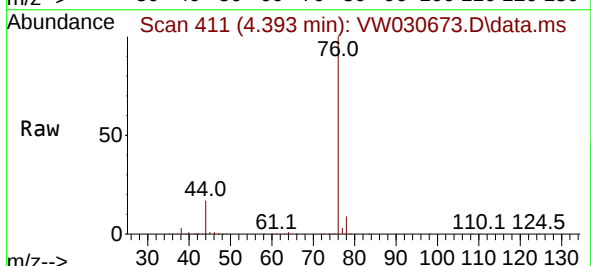
Acq: 18 Oct 2024 18:40

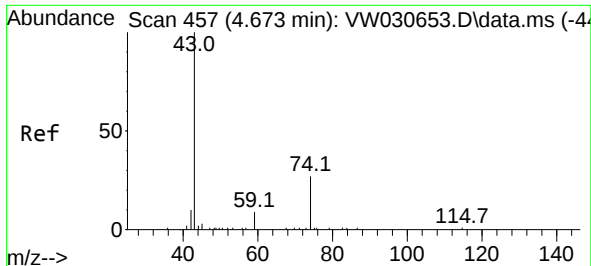
Tgt Ion: 76 Resp: 237345

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

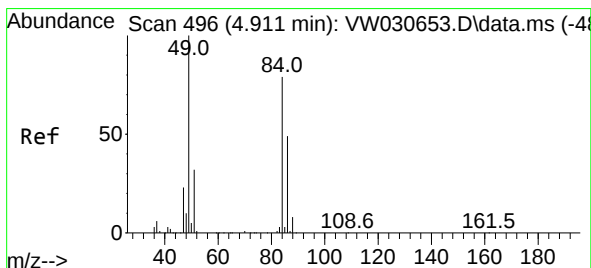
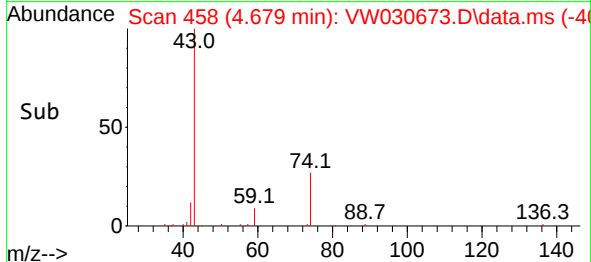
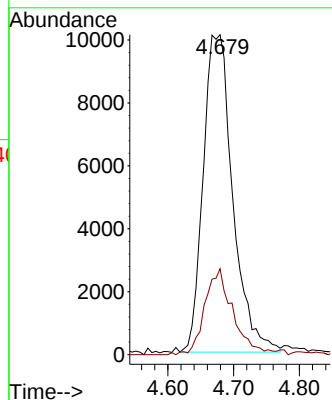
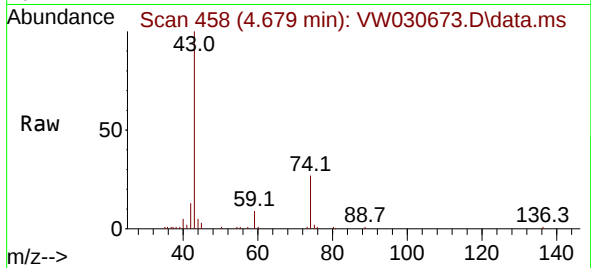




#15  
Methyl Acetate  
Concen: 23.660 ug/L  
RT: 4.679 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

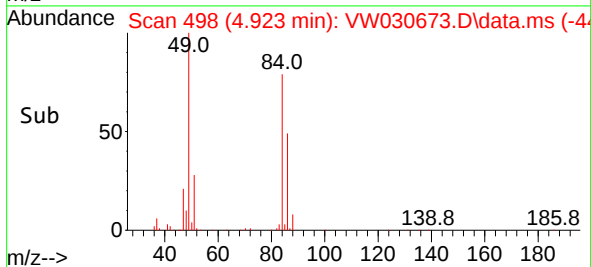
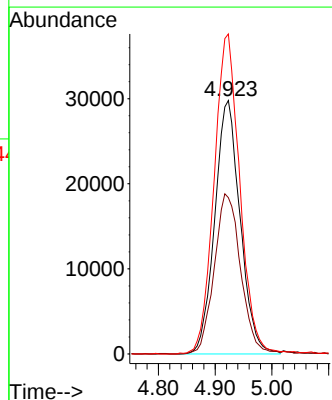
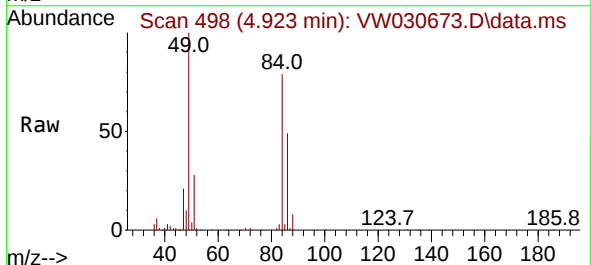
Instrument :  
MSVOA\_W  
ClientSampleId :

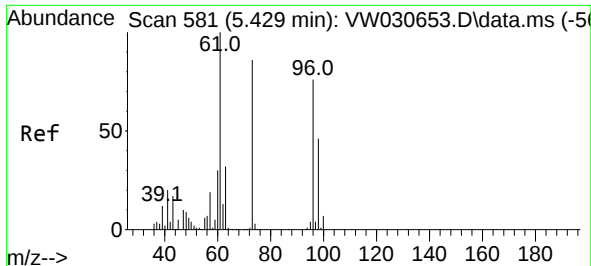
Tgt Ion: 43 Resp: 31576  
Ion Ratio Lower Upper  
43 100  
74 25.0 19.3 28.9



#16  
Methylene chloride  
Concen: 23.494 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.012 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Tgt Ion: 84 Resp: 92660  
Ion Ratio Lower Upper  
84 100  
86 61.7 43.8 81.3  
49 126.2 88.3 164.1

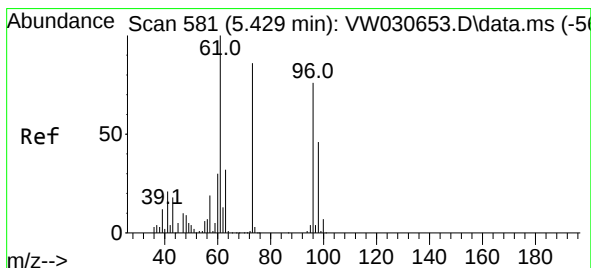
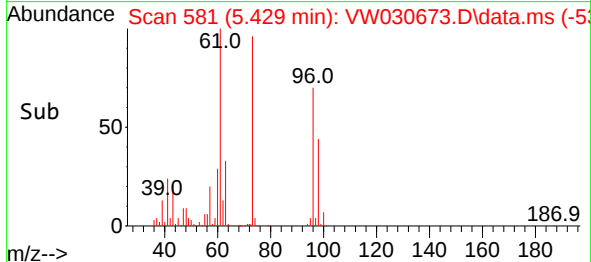
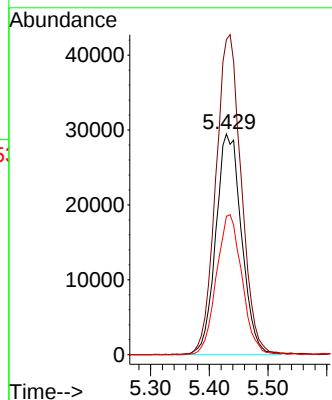
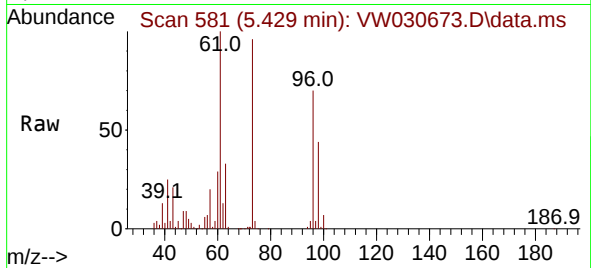




#17  
trans-1,2-Dichloroethene  
Concen: 23.809 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

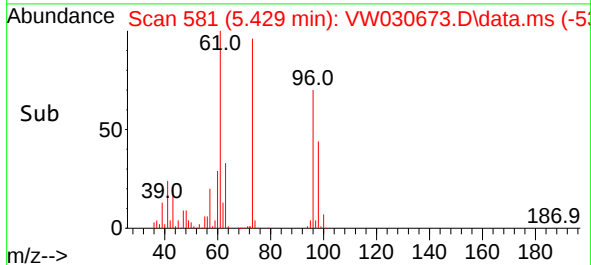
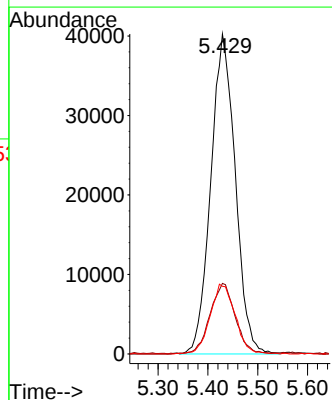
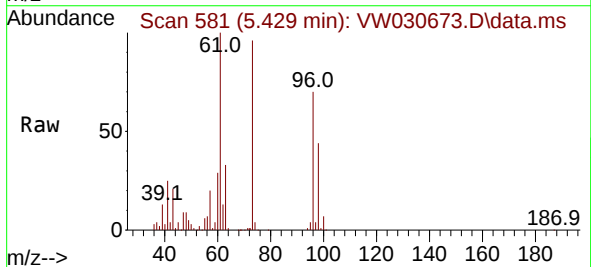
Instrument :  
MSVOA\_W  
ClientSampleId :

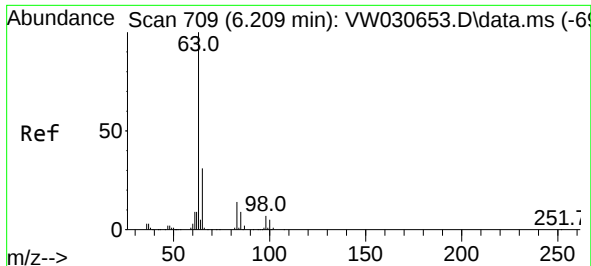
Tgt Ion: 96 Resp: 89924  
Ion Ratio Lower Upper  
96 100  
61 142.7 96.9 179.9  
98 62.7 42.2 78.4



#18  
Methyl tert-butyl Ether  
Concen: 25.971 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Tgt Ion: 73 Resp: 137281  
Ion Ratio Lower Upper  
73 100  
43 22.0 18.1 27.1  
57 22.1 17.7 26.5





#19

1,1-Dichloroethane

Concen: 25.248 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.012 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

ClientSampleId :

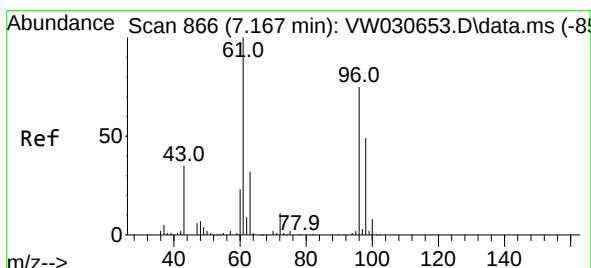
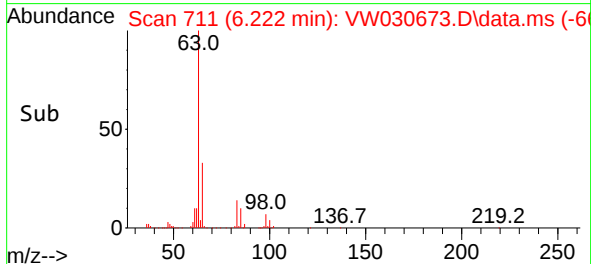
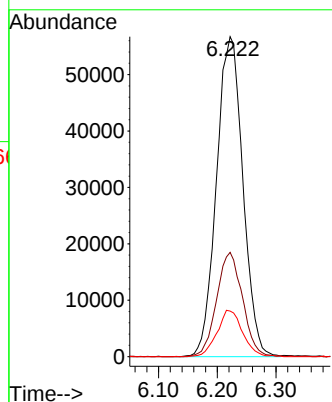
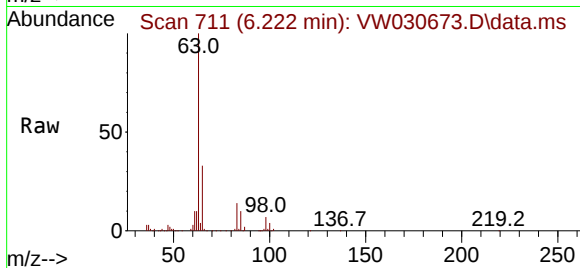
Tgt Ion: 63 Resp: 177231

Ion Ratio Lower Upper

63 100

65 32.6 22.5 41.9

83 14.3 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 24.821 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

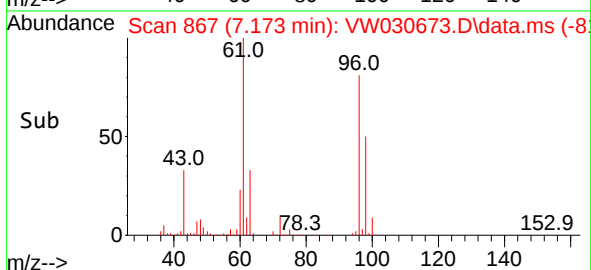
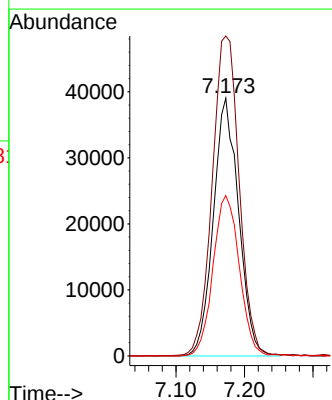
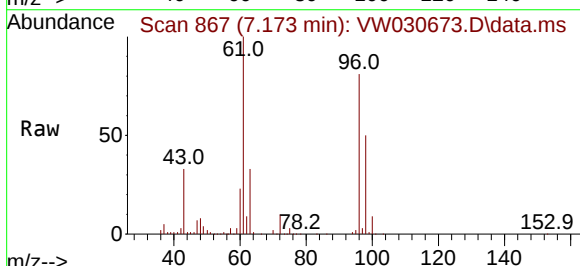
Tgt Ion: 96 Resp: 99992

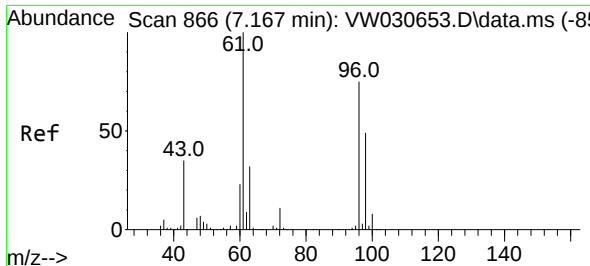
Ion Ratio Lower Upper

96 100

61 124.2 88.3 163.9

98 62.2 41.3 76.7

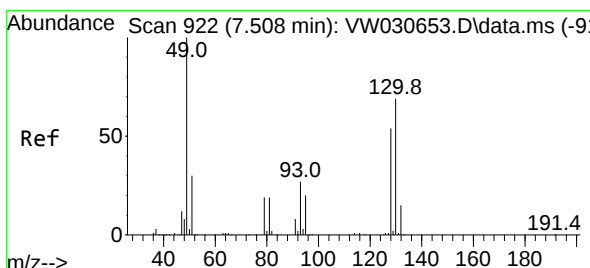
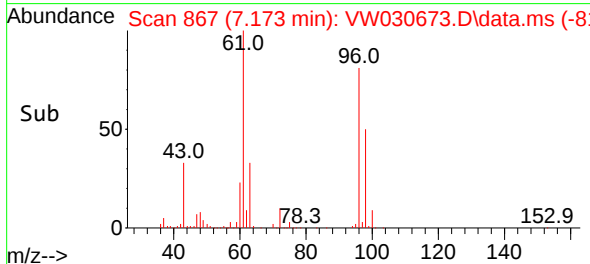
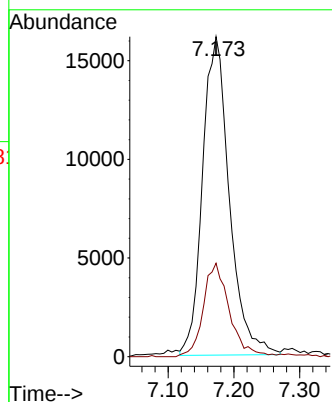
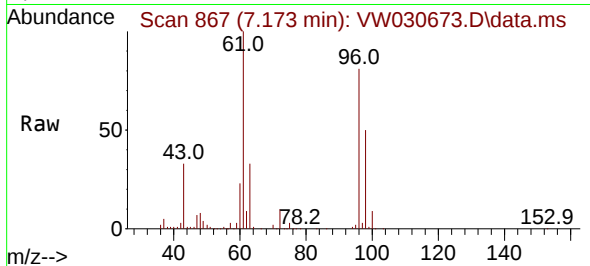




#22  
2-Butanone  
Concen: 39.359 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

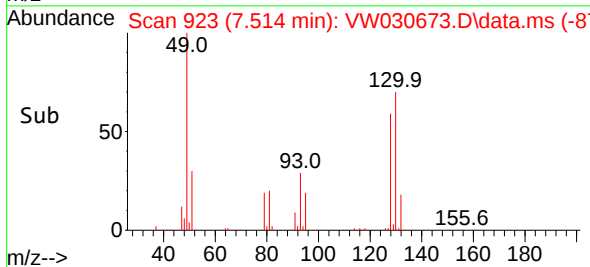
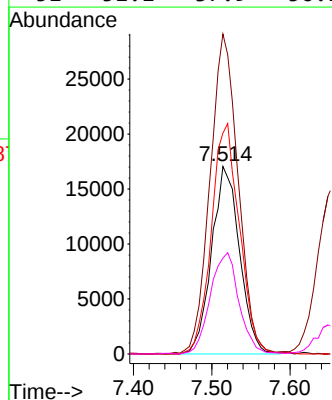
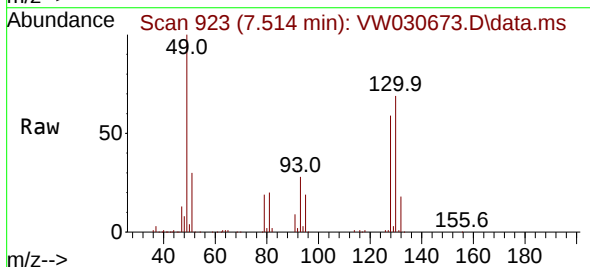
Instrument :  
MSVOA\_W  
ClientSampleId :

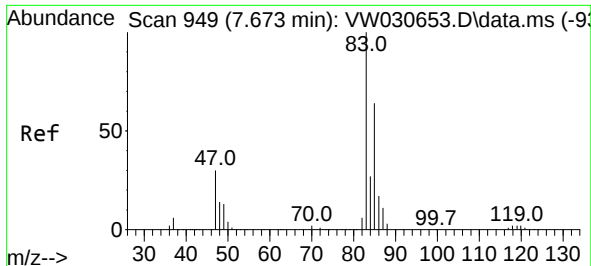
Tgt Ion: 43 Resp: 45837  
Ion Ratio Lower Upper  
43 100  
72 27.0 14.4 43.0



#23  
Bromochloromethane  
Concen: 23.964 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.006 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Tgt Ion: 128 Resp: 42233  
Ion Ratio Lower Upper  
128 100  
49 170.6 110.1 204.5  
130 117.8 82.9 153.9  
51 51.1 37.9 56.9

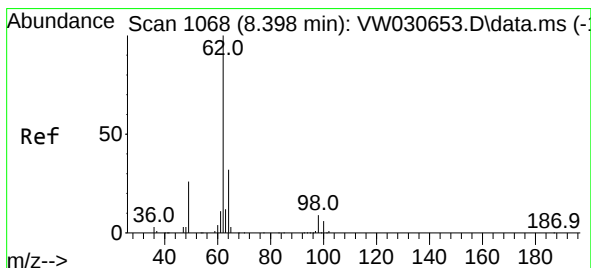
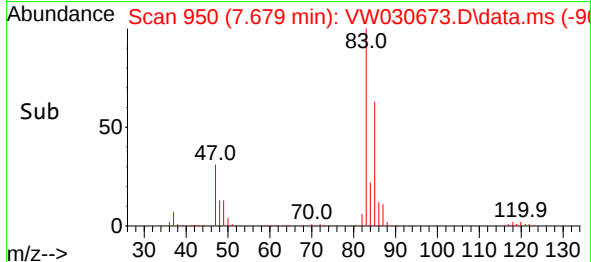
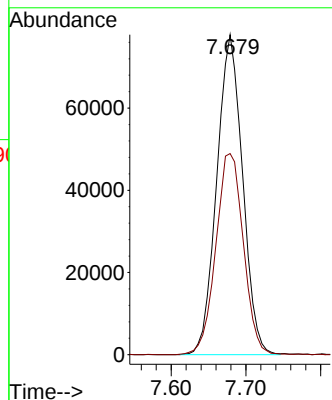
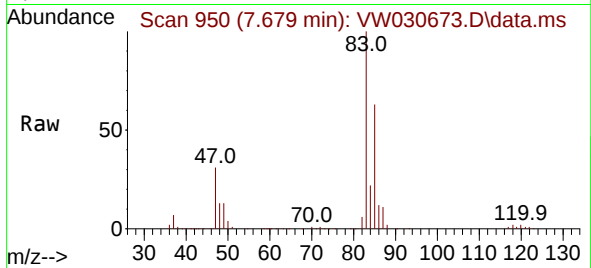




#25  
Chloroform  
Concen: 24.949 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

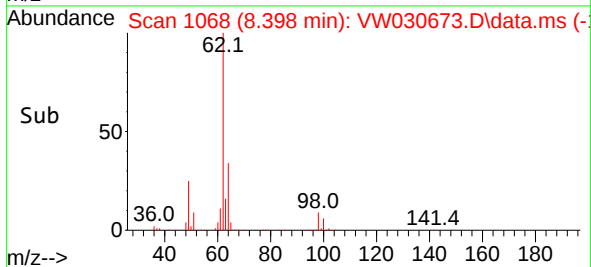
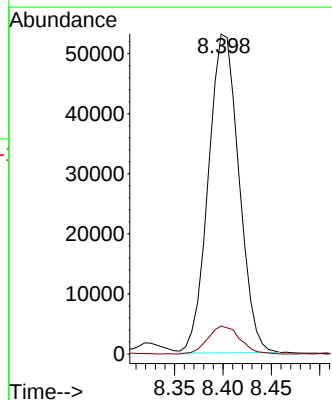
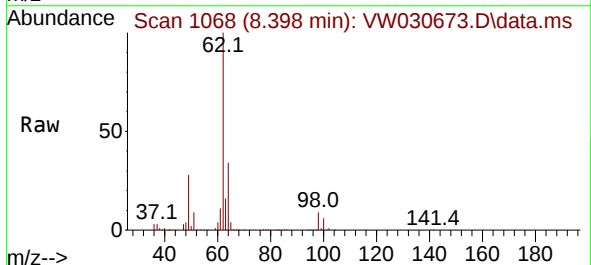
Instrument :  
MSVOA\_W  
ClientSampleId :

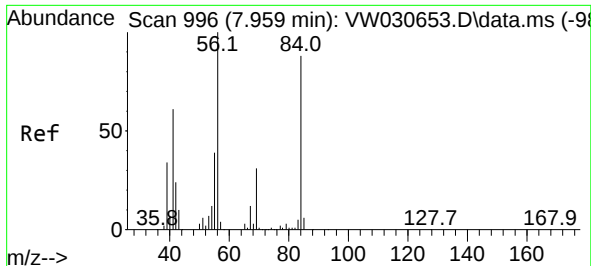
Tgt Ion: 83 Resp: 187151  
Ion Ratio Lower Upper  
83 100  
85 62.8 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 23.594 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

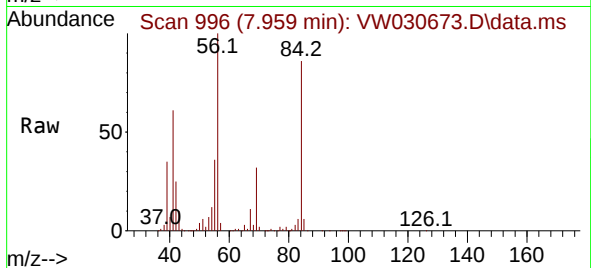
Tgt Ion: 62 Resp: 116763  
Ion Ratio Lower Upper  
62 100  
98 8.8 7.0 10.6



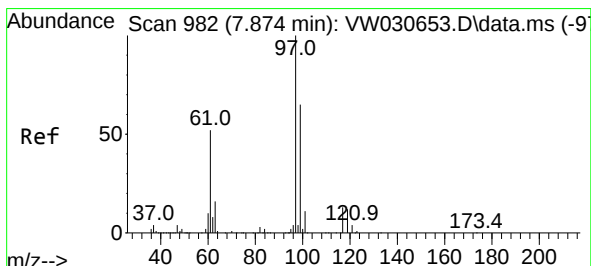
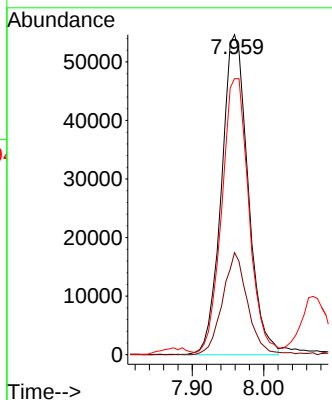
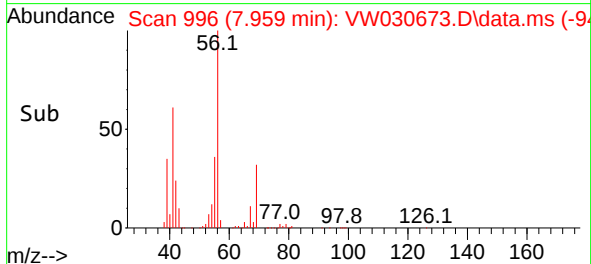


#29  
Cyclohexane  
Concen: 23.771 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Instrument :  
MSVOA\_W  
ClientSampleId :

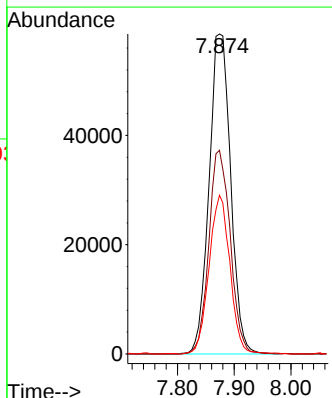
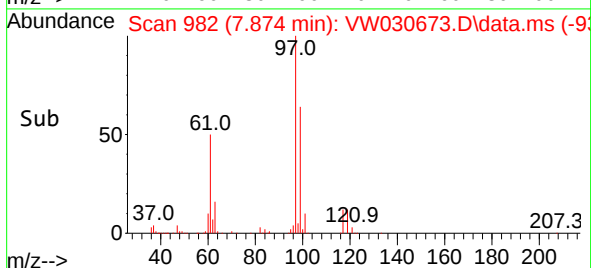
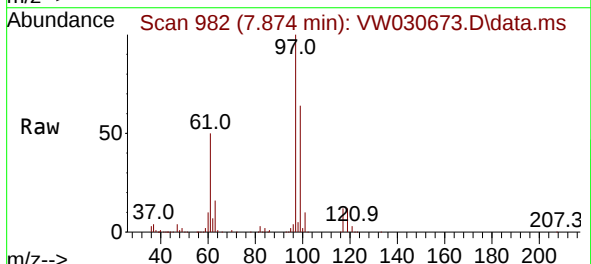


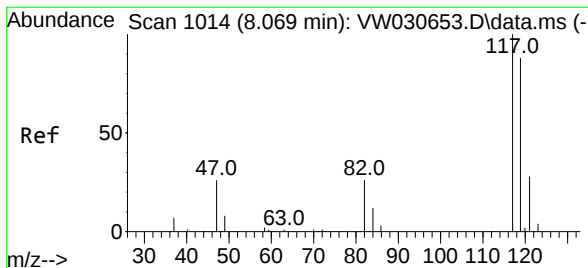
Tgt Ion: 56 Resp: 141273  
Ion Ratio Lower Upper  
56 100  
69 29.8 25.4 38.0  
84 87.4 72.3 108.5



#30  
1,1,1-Trichloroethane  
Concen: 23.953 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Tgt Ion: 97 Resp: 155243  
Ion Ratio Lower Upper  
97 100  
99 63.0 52.3 78.5  
61 48.0 38.5 57.7





#31

Carbon tetrachloride

Concen: 23.619 ug/L

RT: 8.075 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

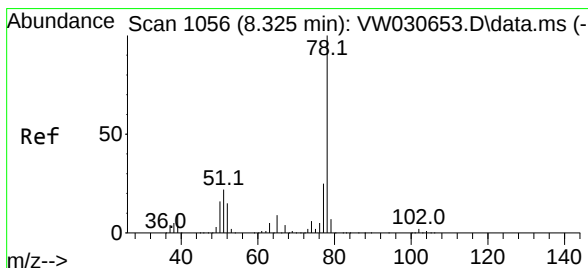
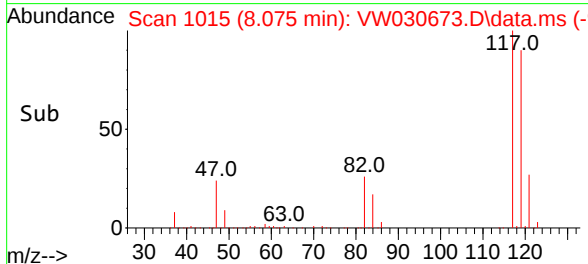
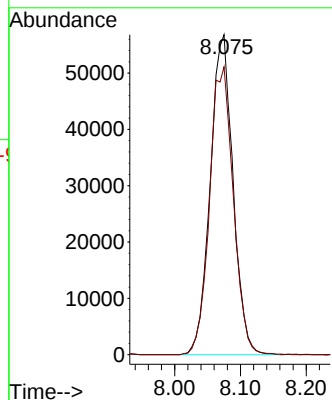
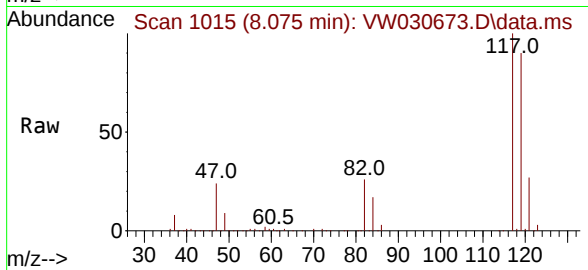
ClientSampleId :

Tgt Ion:117 Resp: 136724

Ion Ratio Lower Upper

117 100

119 93.9 77.8 116.8



#33

Benzene

Concen: 24.598 ug/L

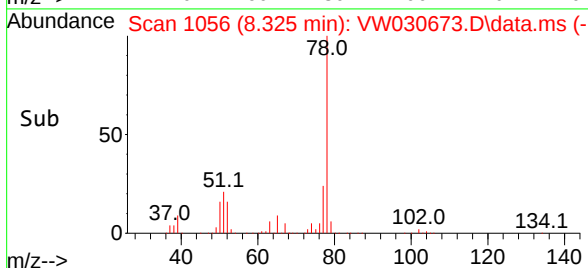
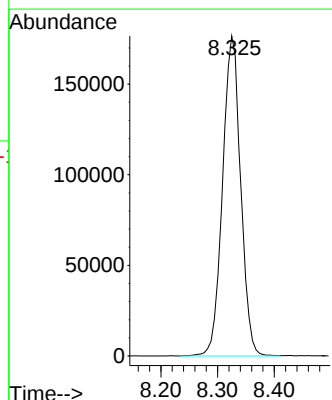
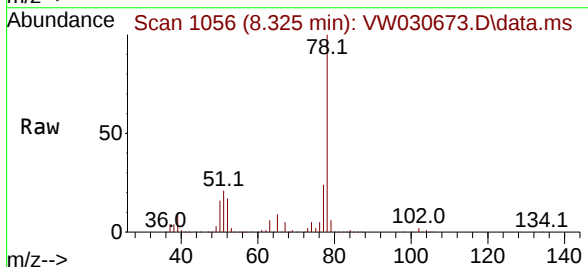
RT: 8.325 min Scan# 1056

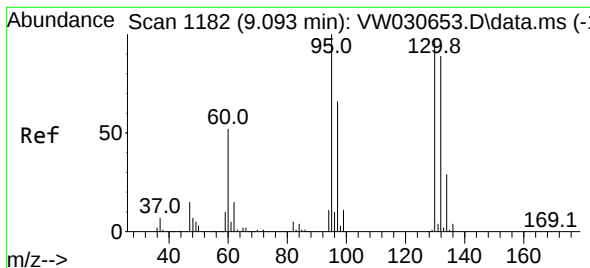
Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Tgt Ion: 78 Resp: 390813





#34

Trichloroethene

Concen: 23.391 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

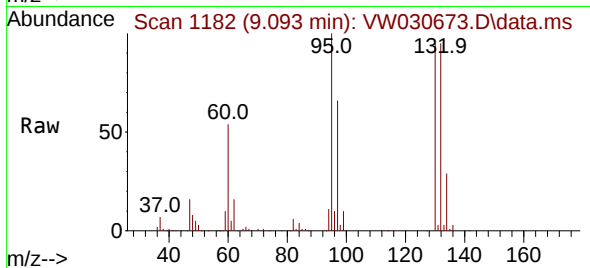
Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 103393

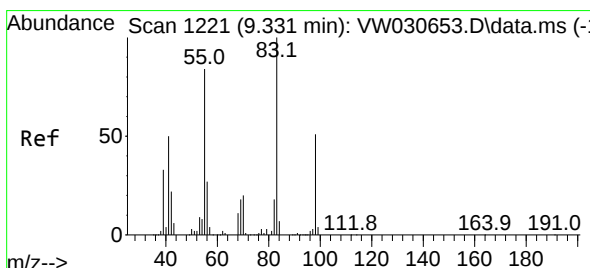
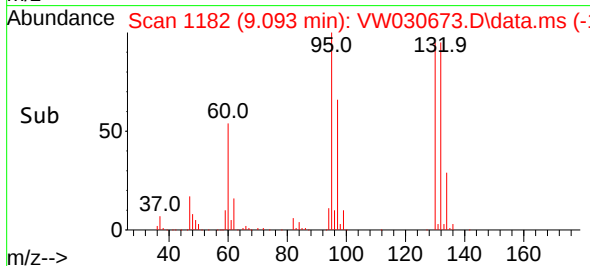
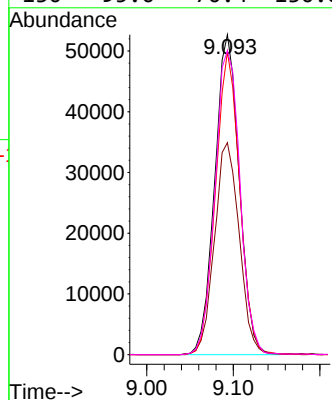
Ion Ratio Lower Upper

95 100

97 66.2 45.9 85.3

132 94.7 66.4 123.2

130 95.0 70.4 130.8



#35

Methylcyclohexane

Concen: 23.284 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

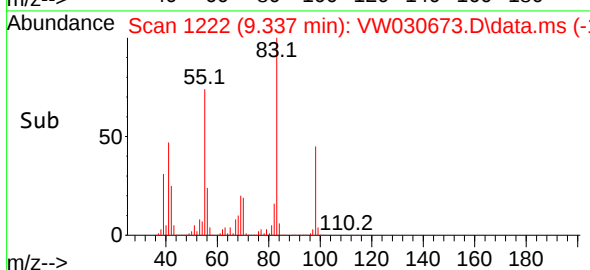
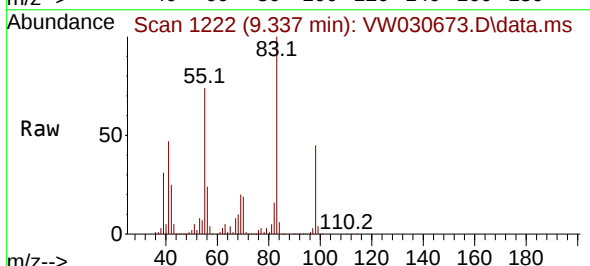
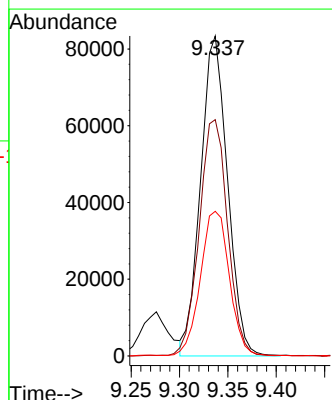
Tgt Ion: 83 Resp: 161972

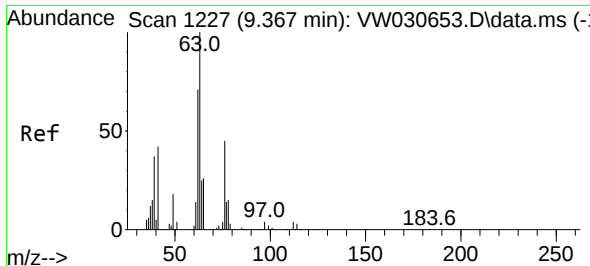
Ion Ratio Lower Upper

83 100

55 77.9 61.8 92.8

98 48.7 39.3 58.9





#37

1,2-Dichloropropane

Concen: 25.696 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

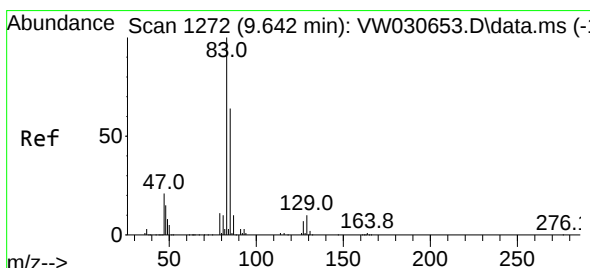
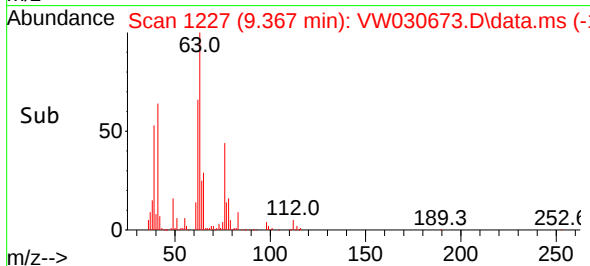
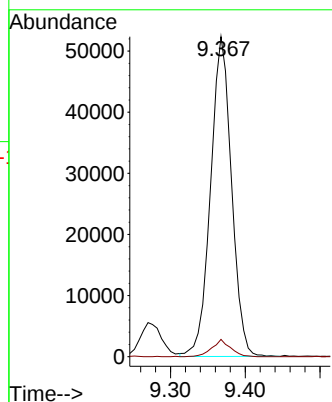
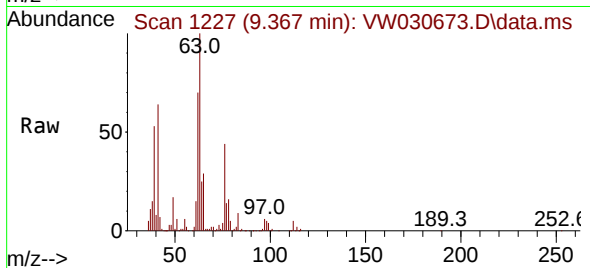
ClientSampleId :

Tgt Ion: 63 Resp: 101966

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 25.039 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

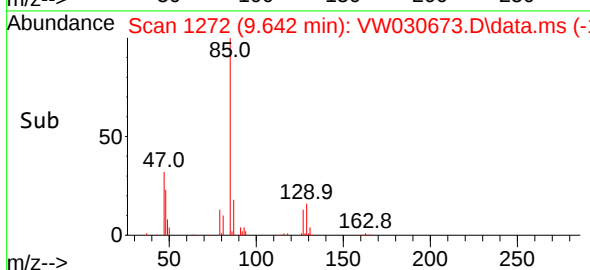
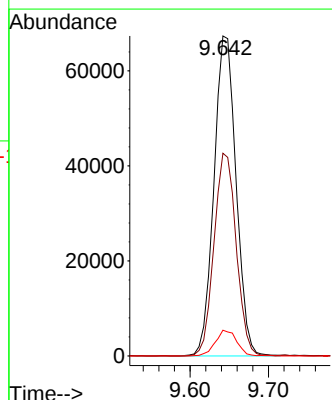
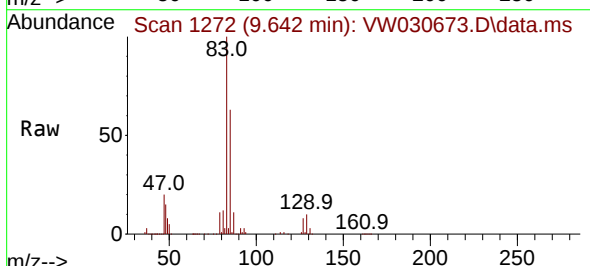
Tgt Ion: 83 Resp: 132193

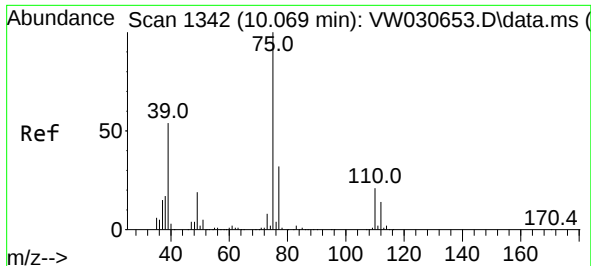
Ion Ratio Lower Upper

83 100

85 63.3 44.2 82.0

127 8.1 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 24.614 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

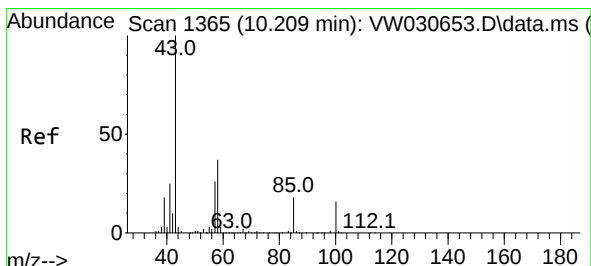
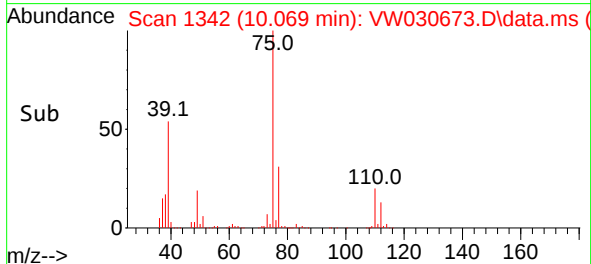
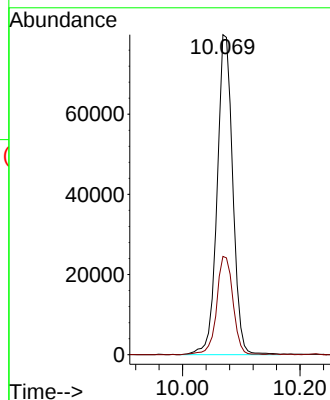
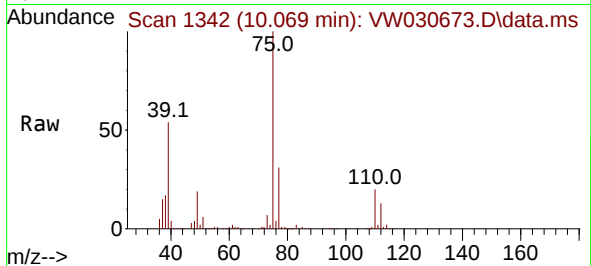
ClientSampleId :

Tgt Ion: 75 Resp: 147323

Ion Ratio Lower Upper

75 100

77 30.7 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 48.405 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

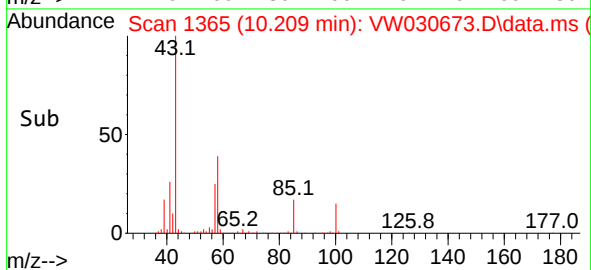
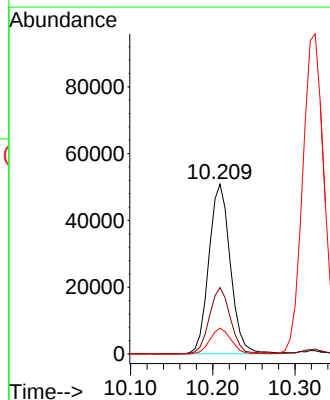
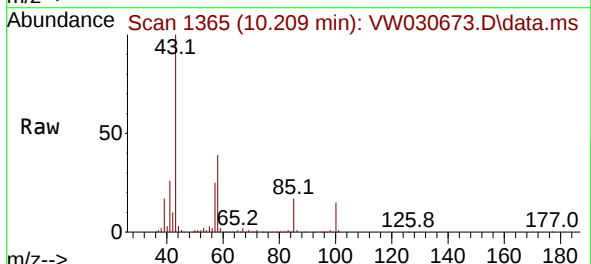
Tgt Ion: 43 Resp: 92276

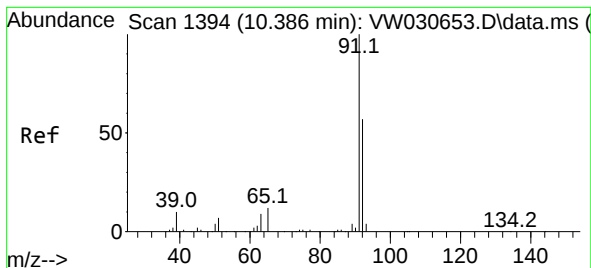
Ion Ratio Lower Upper

43 100

58 38.3 31.4 47.2

100 15.1 13.1 19.7





#42

Toluene

Concen: 25.494 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

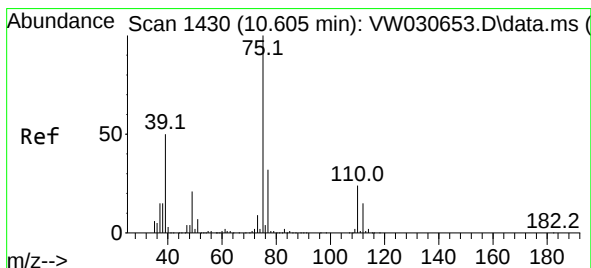
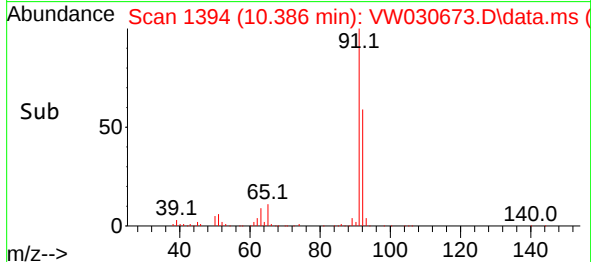
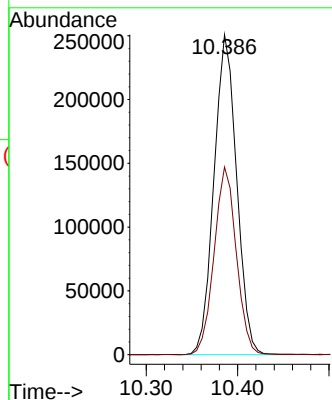
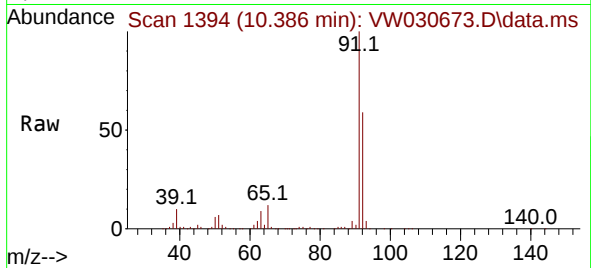
ClientSampleId :

Tgt Ion: 91 Resp: 432123

Ion Ratio Lower Upper

91 100

92 58.7 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 24.385 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW030673.D

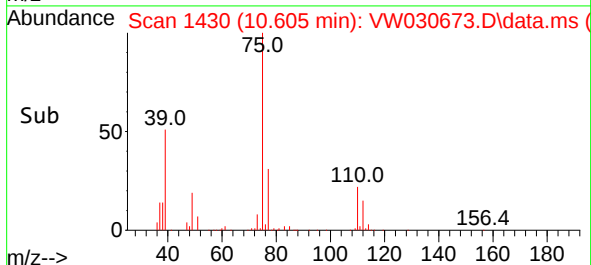
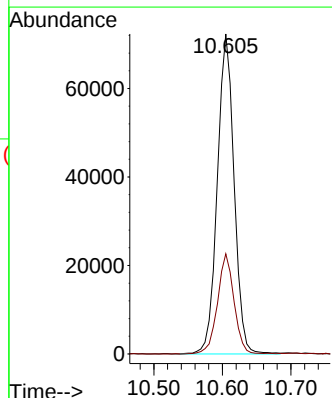
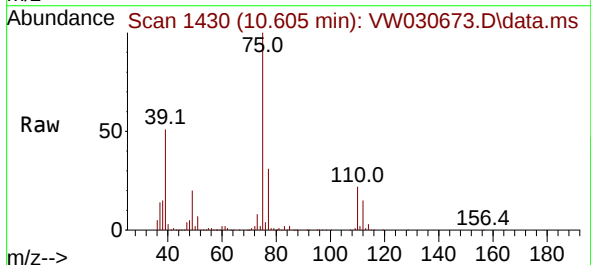
Acq: 18 Oct 2024 18:40

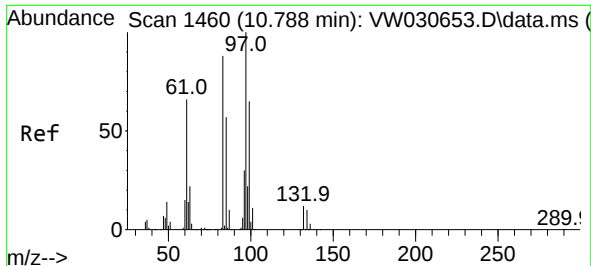
Tgt Ion: 75 Resp: 122648

Ion Ratio Lower Upper

75 100

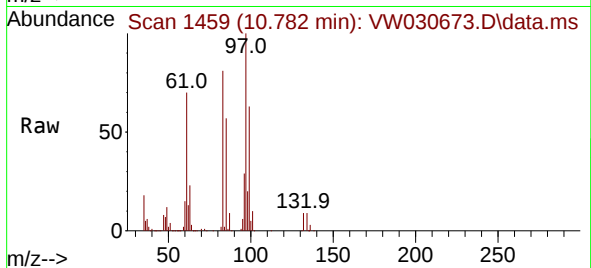
77 31.3 21.6 40.2



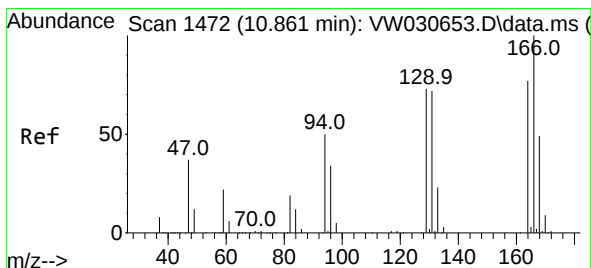
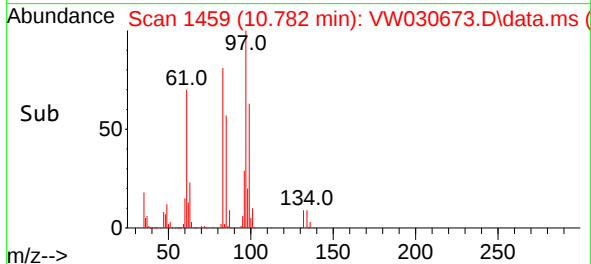
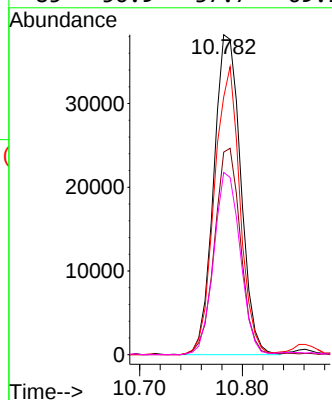


#45  
1,1,2-Trichloroethane  
Concen: 24.246 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Instrument :  
MSVOA\_W  
ClientSampleId :

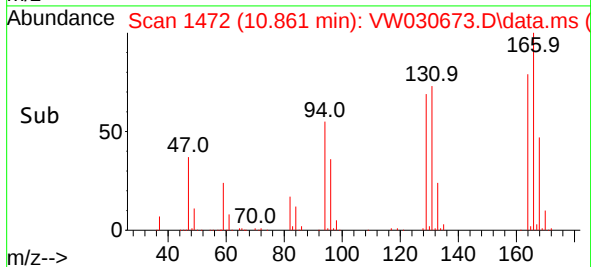
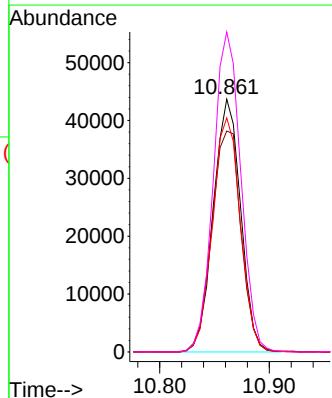
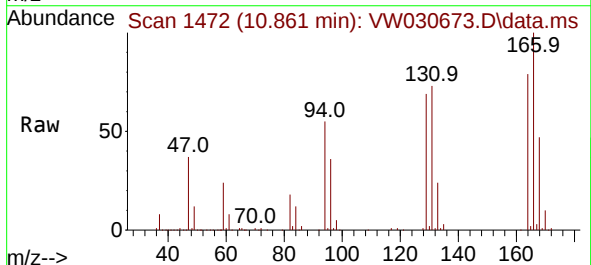


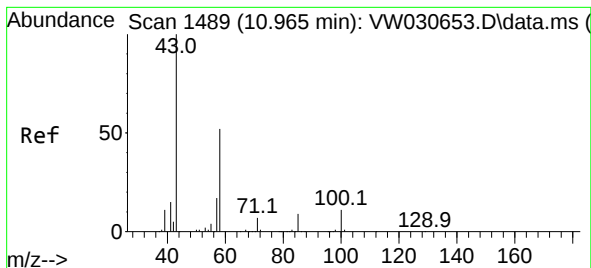
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 69535 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.3  | 41.2  | 76.6  |
| 83       | 80.5  | 59.6  | 110.6 |
| 85       | 56.9  | 37.7  | 69.9  |



#46  
Tetrachloroethene  
Concen: 23.229 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 75728 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 87.4  | 66.6  | 123.6 |
| 131      | 92.6  | 63.7  | 118.3 |
| 166      | 126.5 | 88.7  | 164.7 |





#48

2-Hexanone

Concen: 42.496 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 43 Resp: 66249

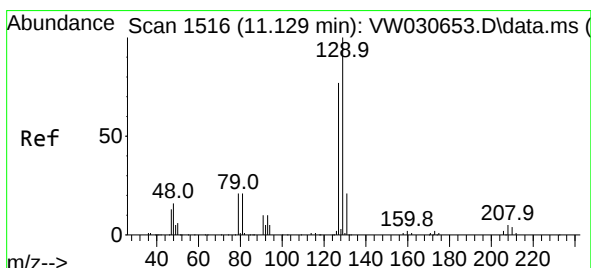
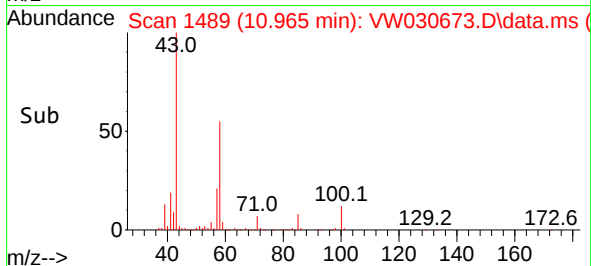
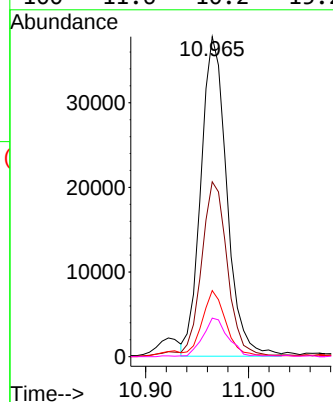
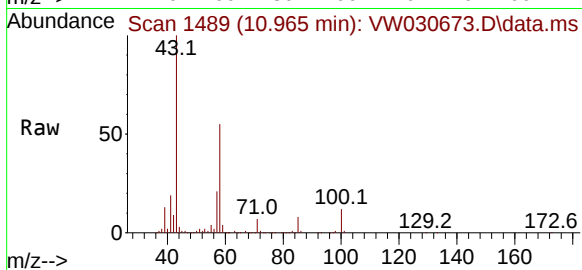
Ion Ratio Lower Upper

43 100

58 54.0 44.6 67.0

57 19.5 15.8 23.8

100 11.6 10.2 15.2



#49

Dibromochloromethane

Concen: 24.021 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW030673.D

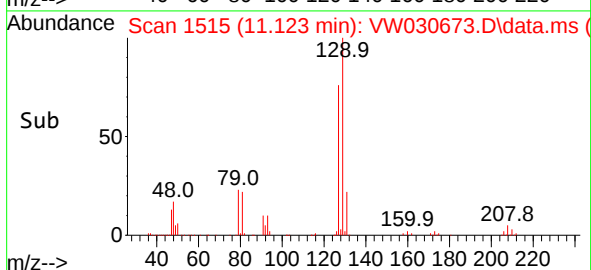
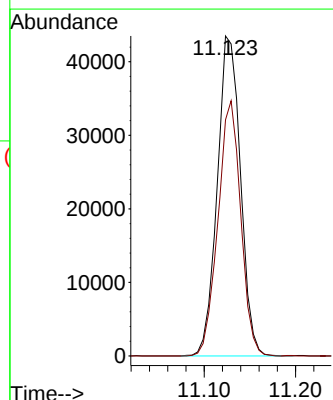
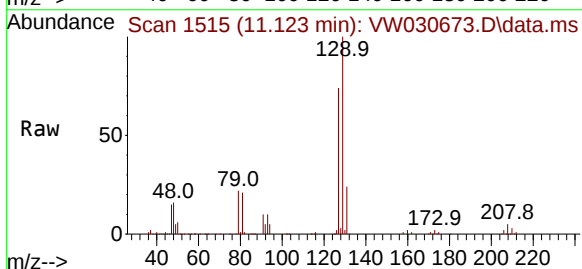
Acq: 18 Oct 2024 18:40

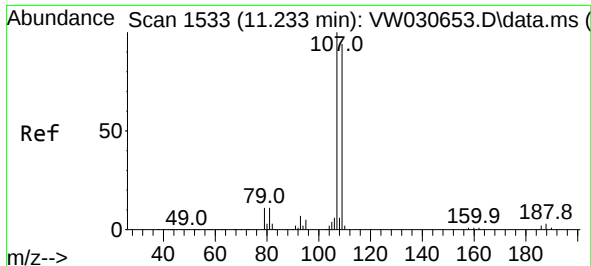
Tgt Ion:129 Resp: 76866

Ion Ratio Lower Upper

129 100

127 73.8 56.5 104.9





#50

1,2-Dibromoethane

Concen: 23.163 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

ClientSampleId :

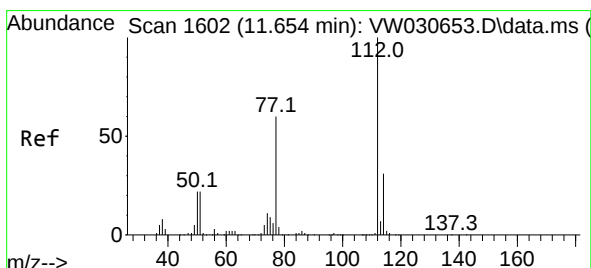
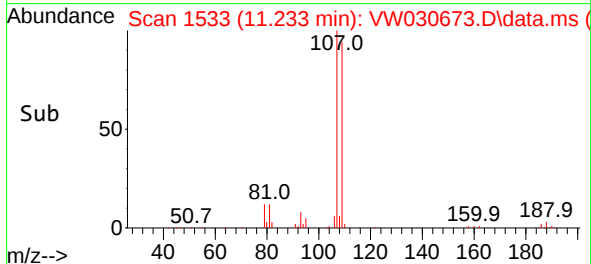
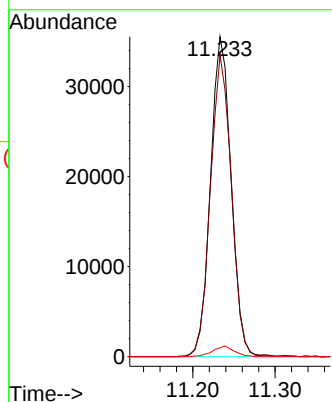
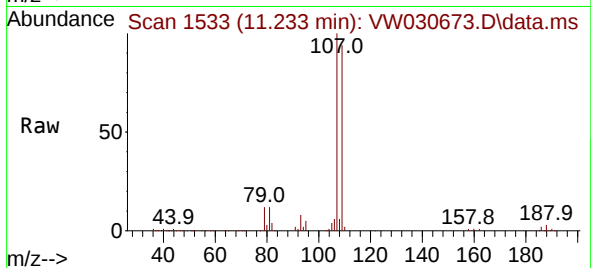
Tgt Ion:107 Resp: 61985

Ion Ratio Lower Upper

107 100

109 94.2 63.8 118.6

188 2.8 2.6 3.8



#51

Chlorobenzene

Concen: 24.031 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

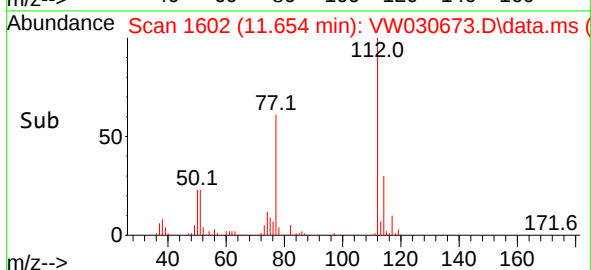
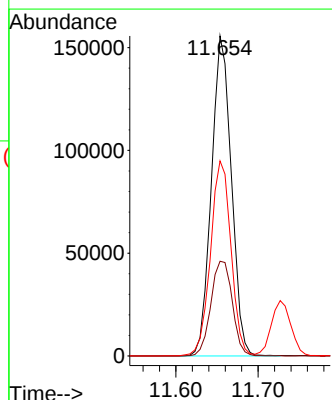
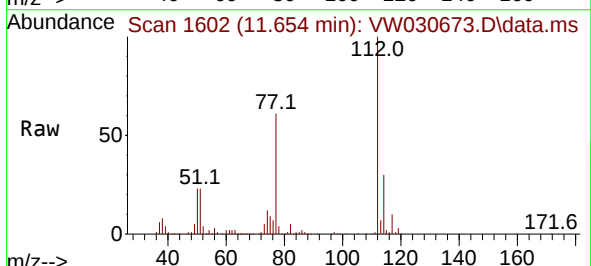
Tgt Ion:112 Resp: 262209

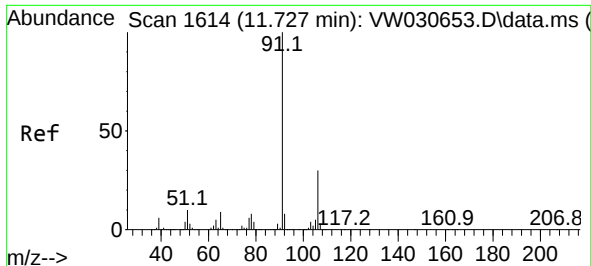
Ion Ratio Lower Upper

112 100

114 29.6 22.4 41.6

77 60.9 47.1 70.7

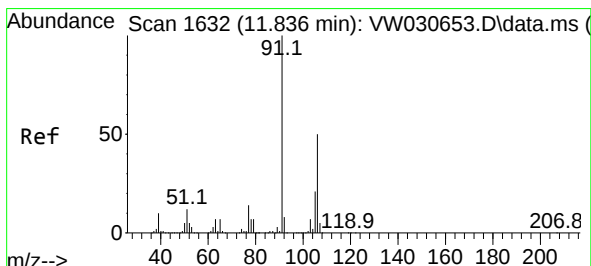
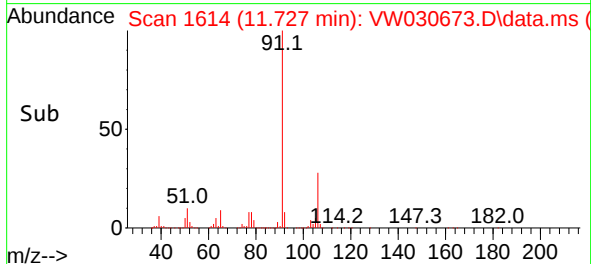
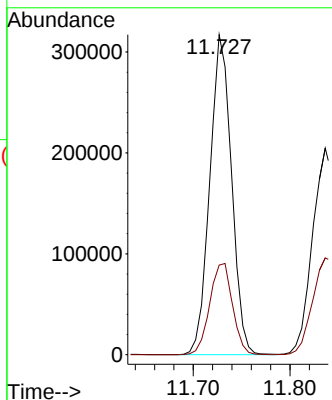
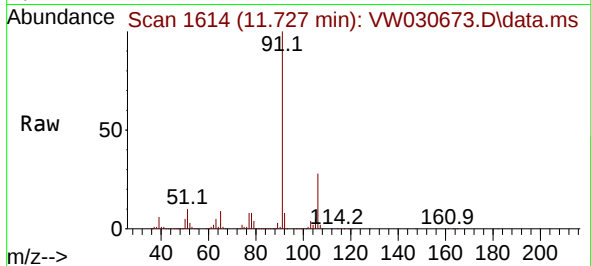




#52  
Ethylbenzene  
Concen: 25.558 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

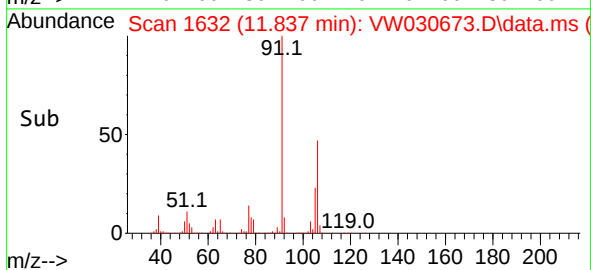
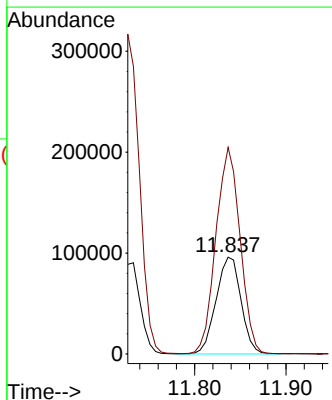
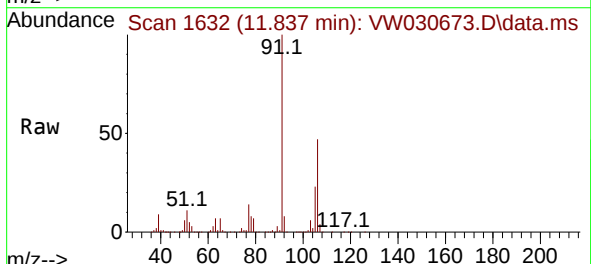
Instrument :  
MSVOA\_W  
ClientSampleId :

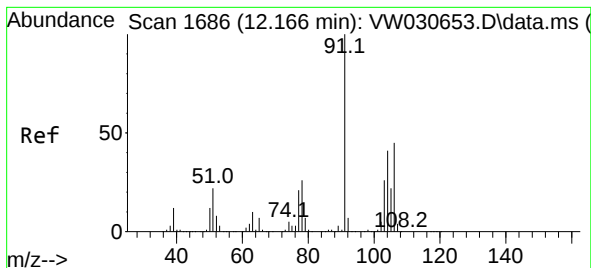
Tgt Ion: 91 Resp: 494321  
Ion Ratio Lower Upper  
91 100  
106 28.0 21.1 39.1



#53  
m,p-Xylene  
Concen: 25.092 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Tgt Ion:106 Resp: 181814  
Ion Ratio Lower Upper  
106 100  
91 213.3 140.6 261.2





#54

o-Xylene

Concen: 25.272 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

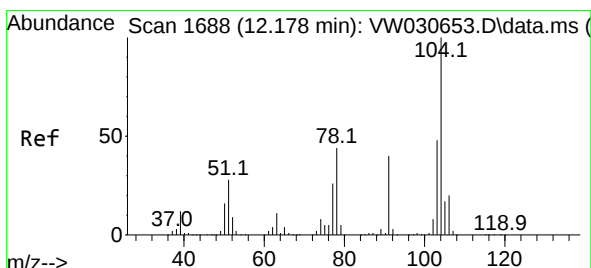
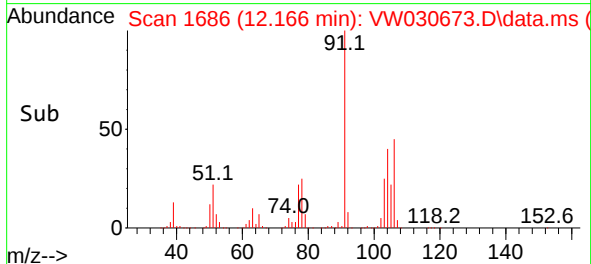
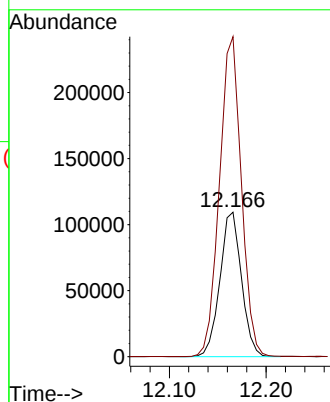
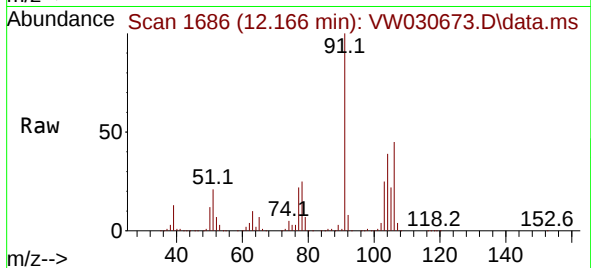
ClientSampleId :

Tgt Ion:106 Resp: 169297

Ion Ratio Lower Upper

106 100

91 221.5 144.5 268.4



#55

Styrene

Concen: 26.023 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW030673.D

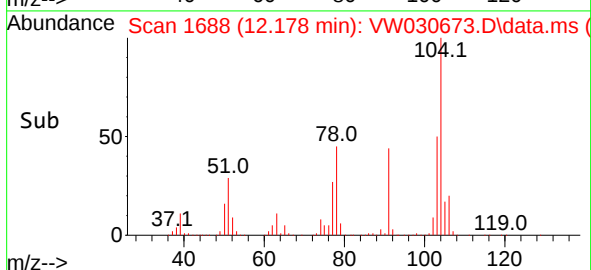
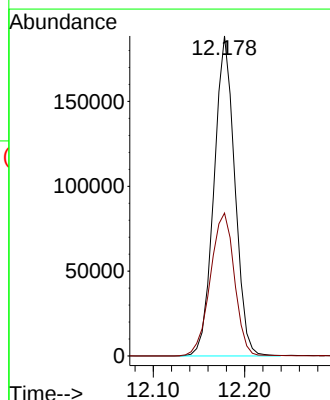
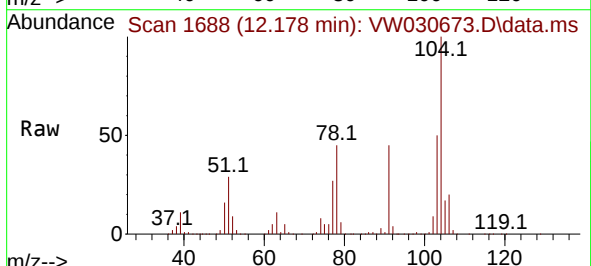
Acq: 18 Oct 2024 18:40

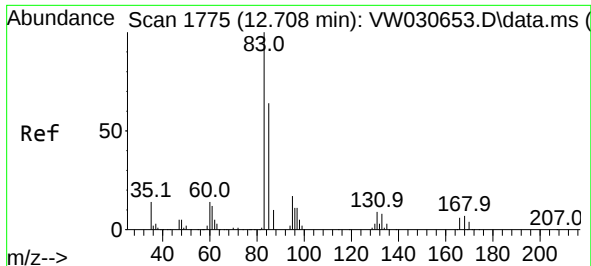
Tgt Ion:104 Resp: 298022

Ion Ratio Lower Upper

104 100

78 44.6 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 24.006 ug/L

RT: 12.708 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

ClientSampleId :

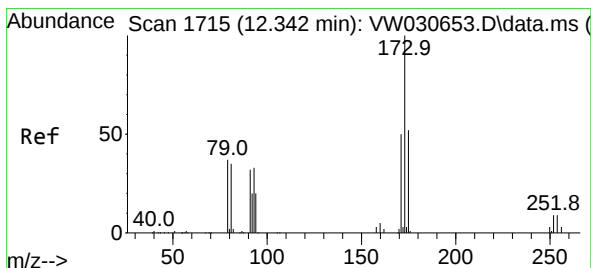
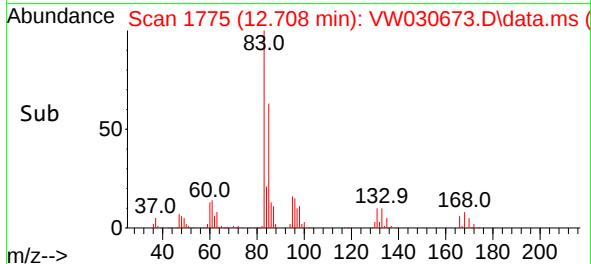
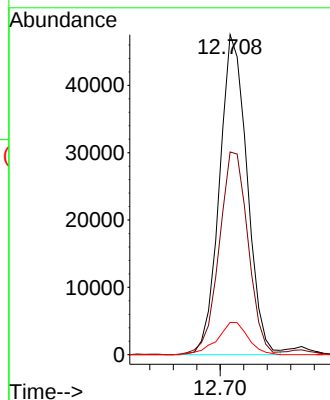
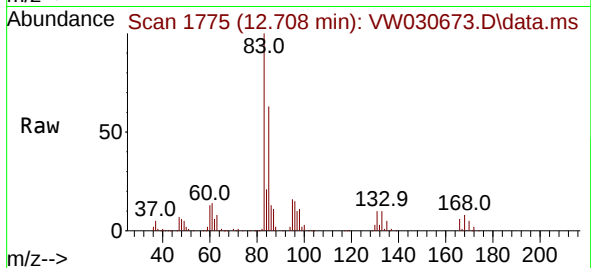
Tgt Ion: 83 Resp: 77638

Ion Ratio Lower Upper

83 100

85 63.3 42.6 79.2

131 10.1 7.4 11.0



#59

Bromoform

Concen: 23.754 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

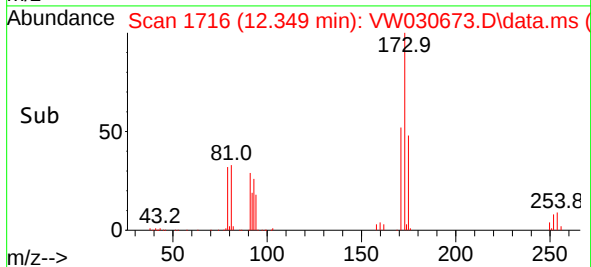
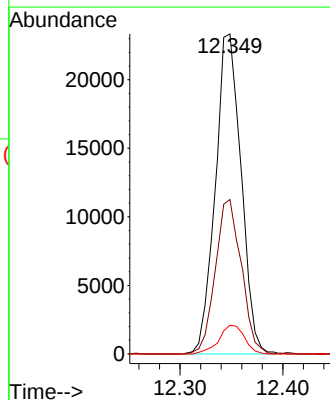
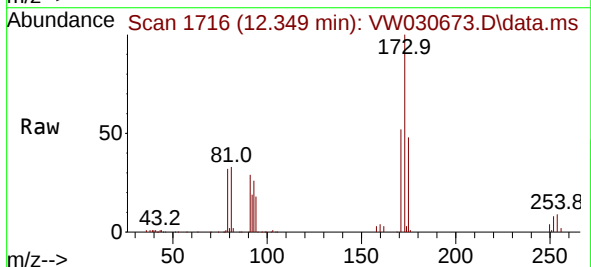
Tgt Ion:173 Resp: 40624

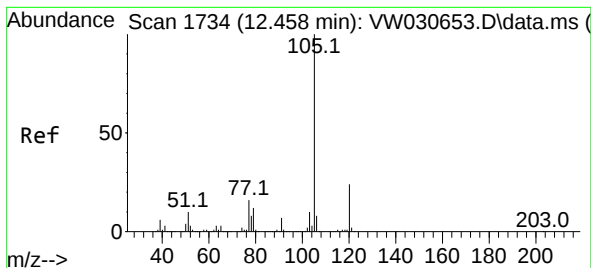
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

254 8.9 7.7 11.5





#60

Isopropylbenzene

Concen: 25.527 ug/L

RT: 12.464 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

ClientSampleId :

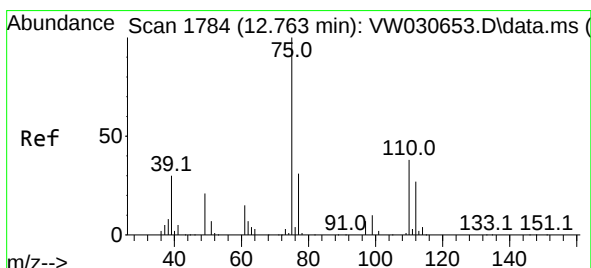
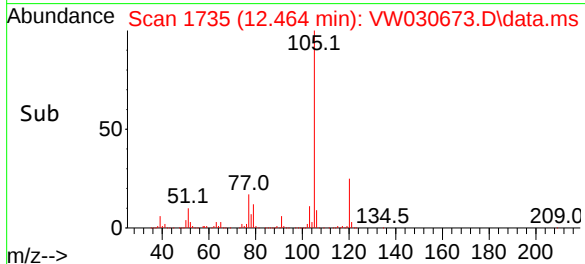
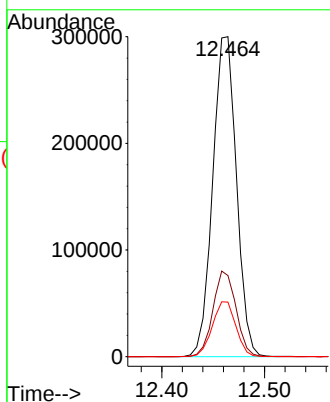
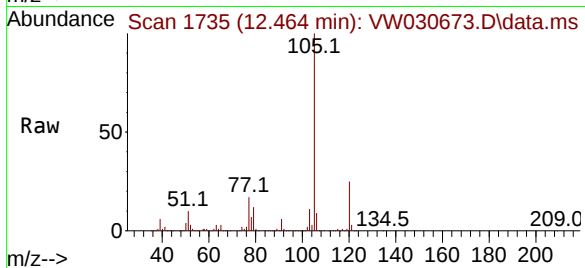
Tgt Ion:105 Resp: 481196

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 17.1 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 22.837 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

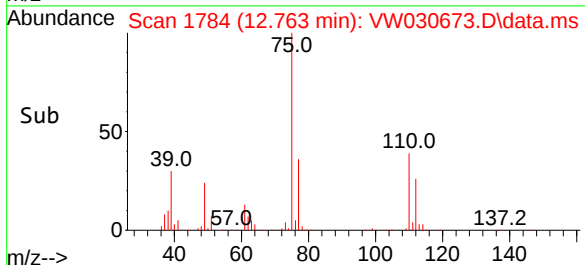
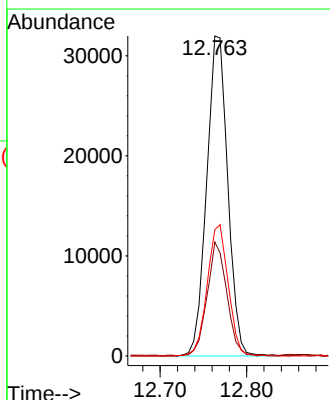
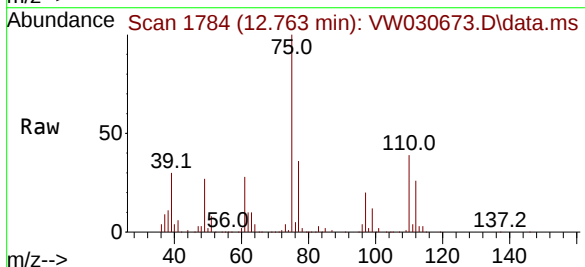
Tgt Ion: 75 Resp: 54091

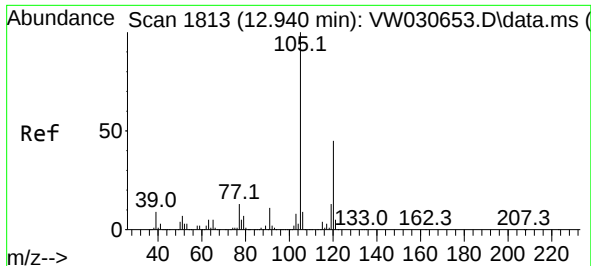
Ion Ratio Lower Upper

75 100

77 33.4 25.7 38.5

110 40.7 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 26.548 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

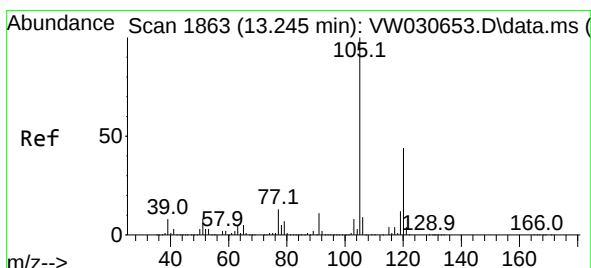
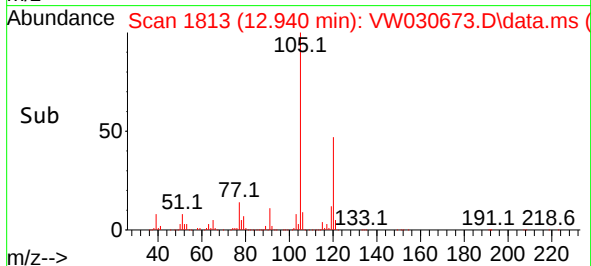
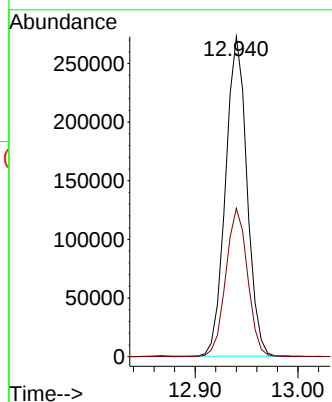
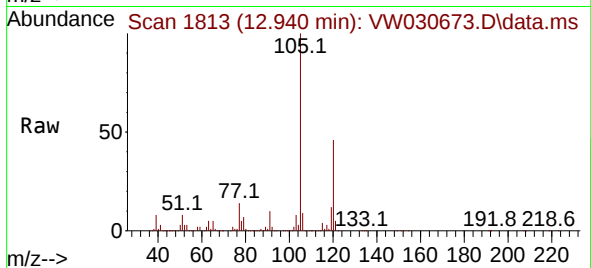
ClientSampleId :

Tgt Ion:105 Resp: 394810

Ion Ratio Lower Upper

105 100

120 47.1 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 26.121 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW030673.D

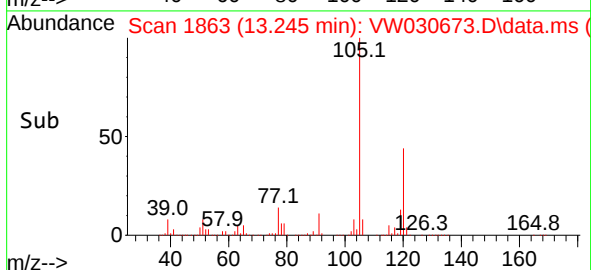
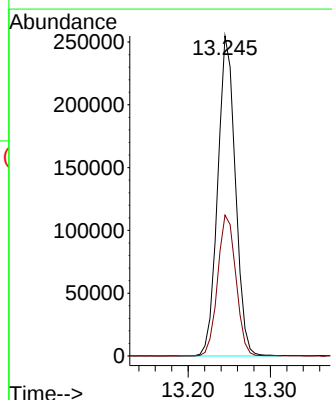
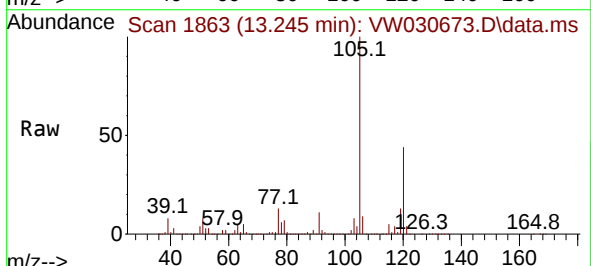
Acq: 18 Oct 2024 18:40

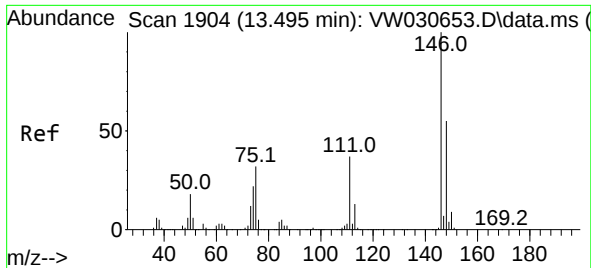
Tgt Ion:105 Resp: 380337

Ion Ratio Lower Upper

105 100

120 45.5 35.8 53.6

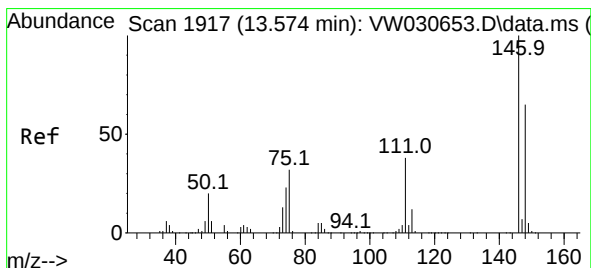
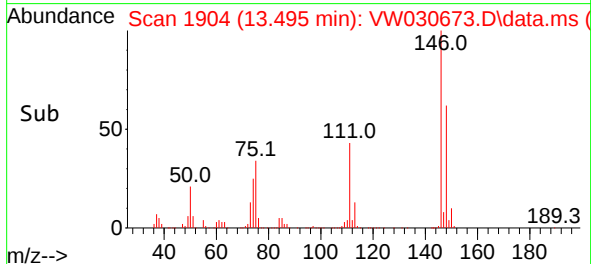
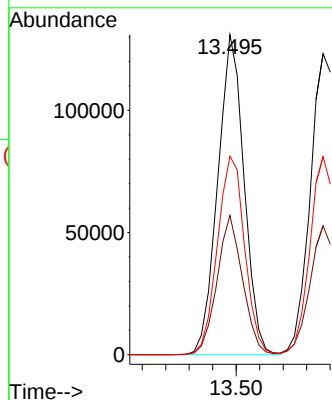
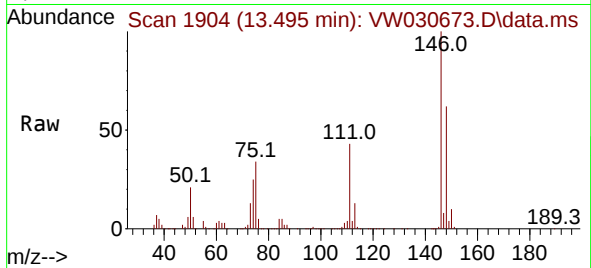




#64  
1,3-Dichlorobenzene  
Concen: 24.829 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

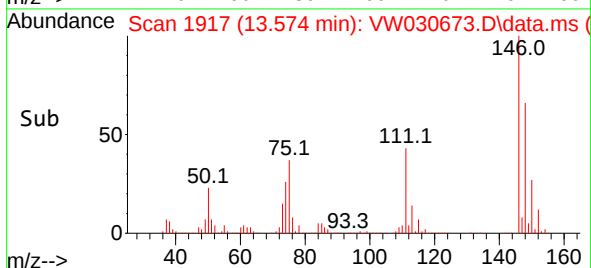
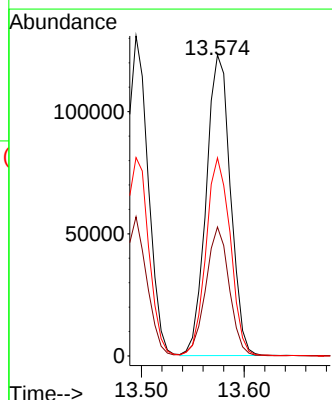
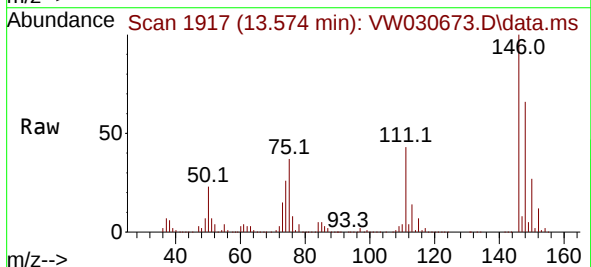
Instrument :  
MSVOA\_W  
ClientSampleId :

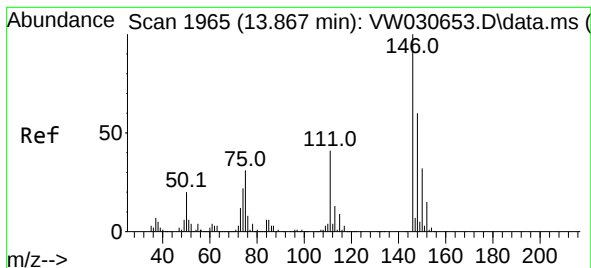
Tgt Ion:146 Resp: 203719  
Ion Ratio Lower Upper  
146 100  
111 43.5 31.2 58.0  
148 62.0 45.7 84.9



#65  
1,4-Dichlorobenzene  
Concen: 23.888 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Tgt Ion:146 Resp: 202382  
Ion Ratio Lower Upper  
146 100  
111 42.9 26.8 49.8  
148 65.9 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 25.301 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

Instrument :

MSVOA\_W

ClientSampleId :

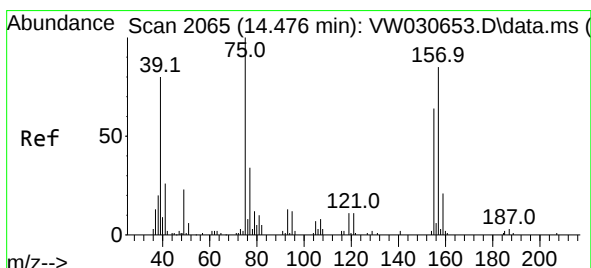
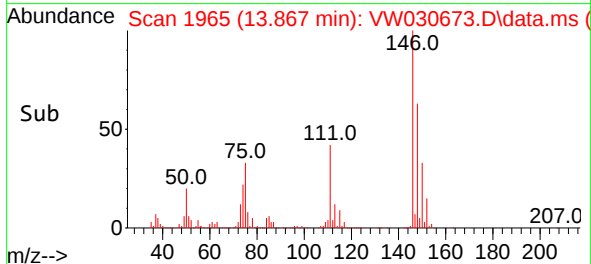
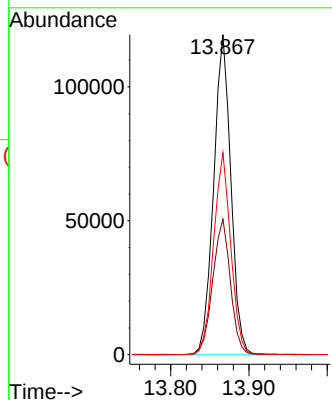
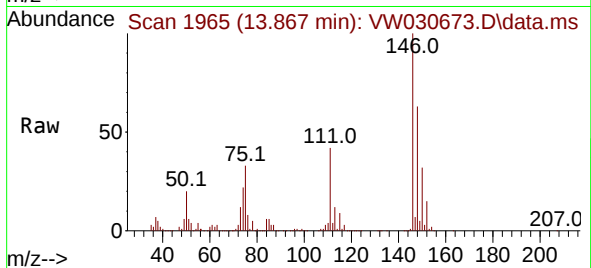
Tgt Ion:146 Resp: 182675

Ion Ratio Lower Upper

146 100

111 42.3 34.6 52.0

148 63.1 53.3 79.9



#68

1,2-Dibromo-3-chloropropane

Concen: 21.716 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW030673.D

Acq: 18 Oct 2024 18:40

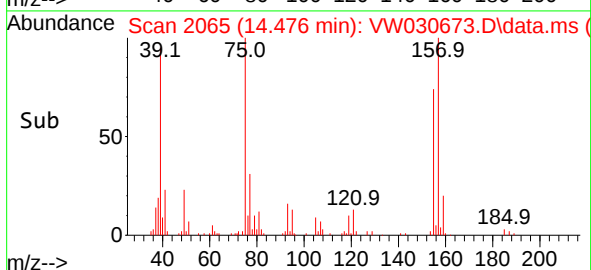
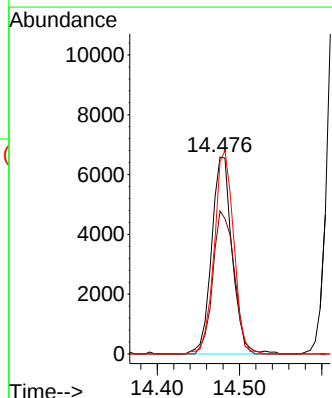
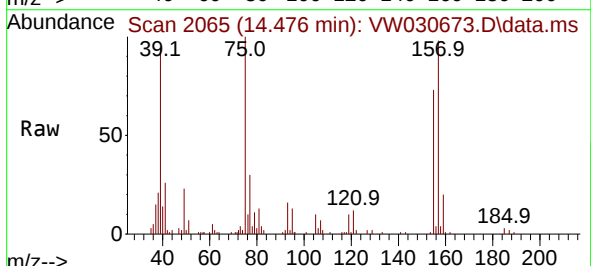
Tgt Ion: 75 Resp: 11469

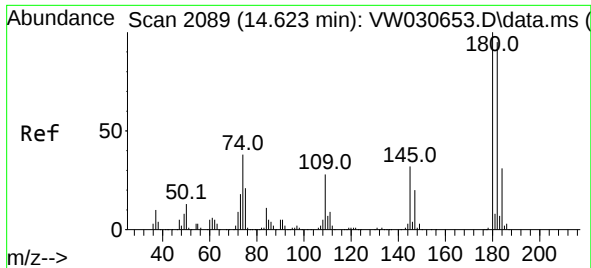
Ion Ratio Lower Upper

75 100

155 72.6 57.9 86.9

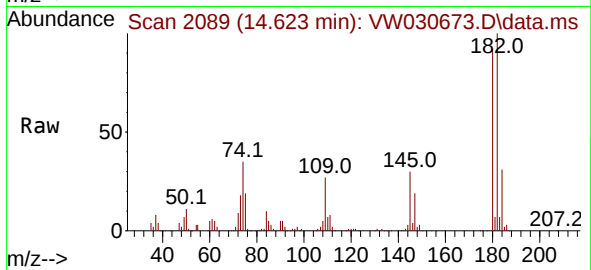
157 97.9 69.0 103.6



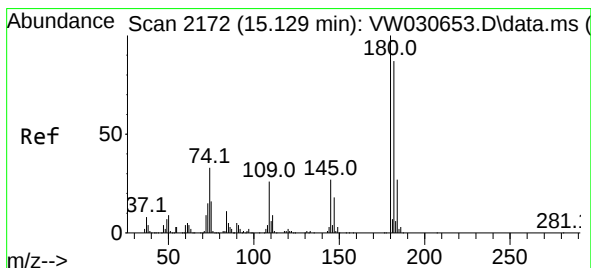
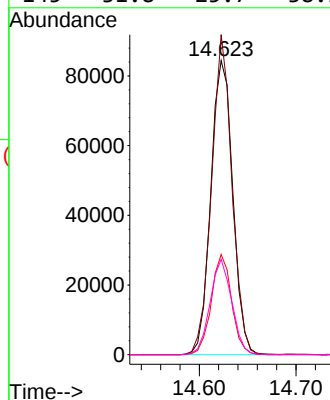
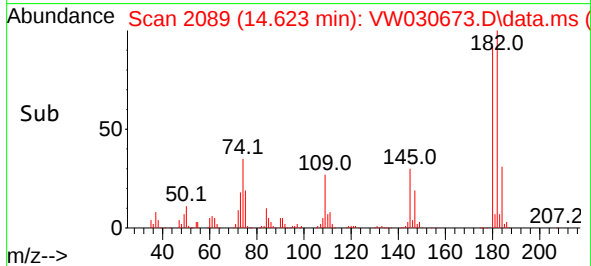


#69  
 1,3,5-Trichlorobenzene  
 Concen: 24.642 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. 0.000 min  
 Lab File: VW030673.D  
 Acq: 18 Oct 2024 18:40

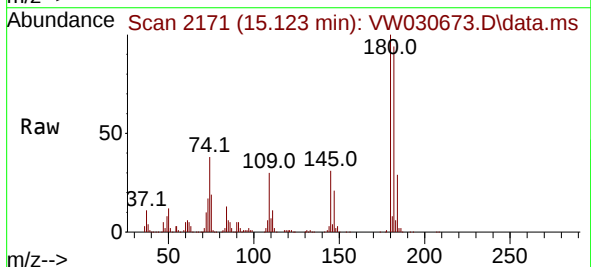
Instrument :  
 MSVOA\_W  
 ClientSampleId :



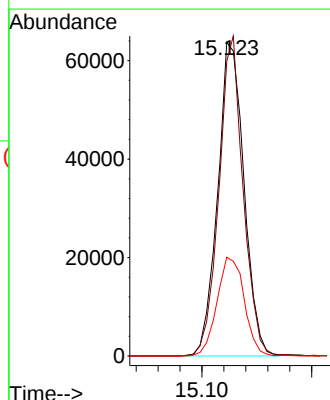
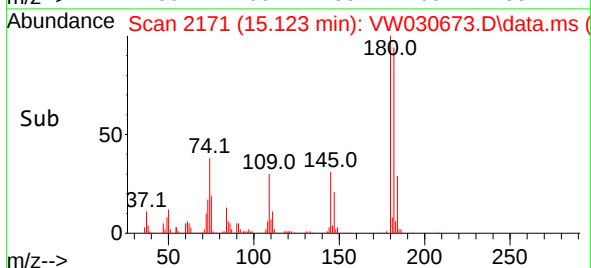
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 133330 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 100.9 | 79.9  | 119.9  |
| 184       | 31.5  | 25.2  | 37.8   |
| 145       | 31.8  | 25.7  | 38.5   |

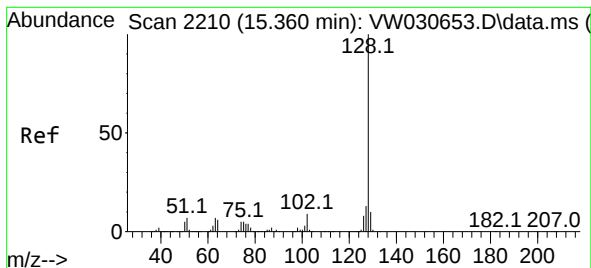


#70  
 1,2,4-trichlorobenzene  
 Concen: 24.386 ug/L  
 RT: 15.123 min Scan# 2171  
 Delta R.T. -0.006 min  
 Lab File: VW030673.D  
 Acq: 18 Oct 2024 18:40



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 106220 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.4  | 75.2  | 112.8  |
| 145       | 32.5  | 25.4  | 38.2   |

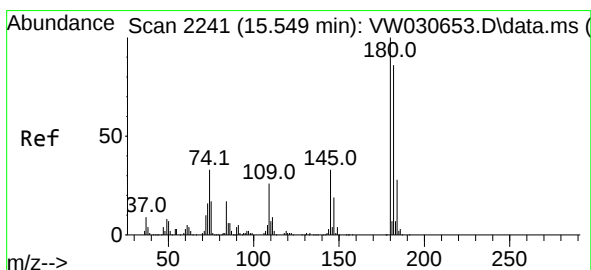
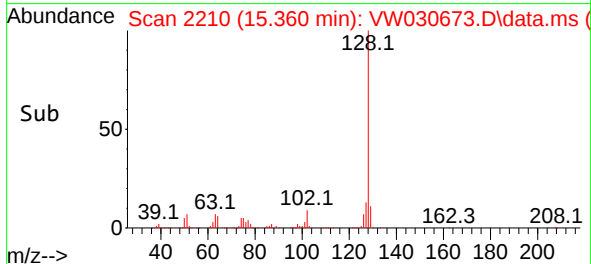
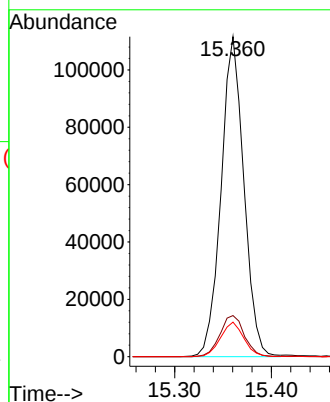
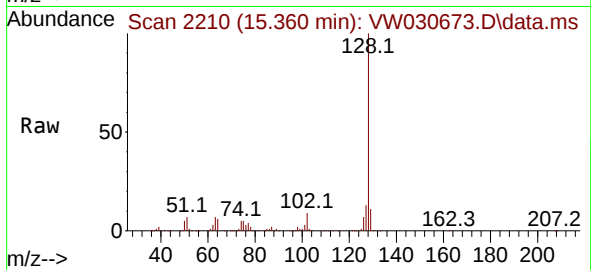




#71  
Naphthalene  
Concen: 24.208 ug/L  
RT: 15.360 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 182172  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.9 16.3  
129 11.1 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 24.380 ug/L  
RT: 15.543 min Scan# 2240  
Delta R.T. -0.006 min  
Lab File: VW030673.D  
Acq: 18 Oct 2024 18:40

Tgt Ion:180 Resp: 92063  
Ion Ratio Lower Upper  
180 100  
182 97.2 76.2 114.4  
145 33.8 27.4 41.2

