

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082924\  
 Data File : VW030106.D  
 Acq On : 29 Aug 2024 17:44  
 Operator : SY/MD  
 Sample : P3733-10MS  
 Misc : 7.63g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 29 21:35:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Aug 29 21:32:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 278134   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 278579   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 131223   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 54423    | 13.149   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 52.600%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 52586    | 17.901   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.600%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 26595    | 15.039   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 60.160%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 45747    | 55.446   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.900% |
| 24) Chloroform-d              | 7.648  | 84    | 156159   | 20.820   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 83.280%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 92959    | 24.408   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 97.640%  |
| 32) Benzene-d6                | 8.276  | 84    | 291799   | 17.745   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 71.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 99975    | 20.752   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 83.000%  |
| 41) Toluene-d8                | 10.319 | 98    | 260811   | 17.426   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 69.720%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 36703    | 18.520   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 74.080%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 38355    | 52.018   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 104.040% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 90938    | 25.637   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 89711    | 18.901   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 75.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 25218    | 7.883    | ug/L   | 92       |
| 3) Chloromethane              | 2.229  | 50    | 58845    | 15.824   | ug/L   | 93       |
| 5) Vinyl chloride             | 2.375  | 62    | 48854    | 11.115   | ug/L # | 1        |
| 6) Bromomethane               | 2.790  | 94    | 39343    | 14.403   | ug/L   | 97       |
| 8) Chloroethane               | 2.930  | 64    | 31823    | 12.564   | ug/L # | 83       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 38867    | 10.211   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 29964    | 8.228    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 40960    | 11.489   | ug/L   | 89       |
| 13) Acetone                   | 4.125  | 43    | 29168    | 38.651   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.393  | 76    | 162193   | 14.665   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.667  | 43    | 15808    | 10.744   | ug/L   | 100      |
| 16) Methylene chloride        | 4.917  | 84    | 68794    | 14.973   | ug/L   | 90       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 52895    | 13.416   | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 103312   | 17.134   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 115654   | 15.785   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 62926    | 14.440   | ug/L   | 94       |
| 22) 2-Butanone                | 7.173  | 43    | 42492    | 39.349   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.514  | 128   | 30781    | 16.653   | ug/L   | 86       |
| 25) Chloroform                | 7.673  | 83    | 119077   | 15.889   | ug/L   | 98       |

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 ALS Vial : 17 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 29 21:35:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Aug 29 21:32:12 2024  
 Response via : Initial Calibration

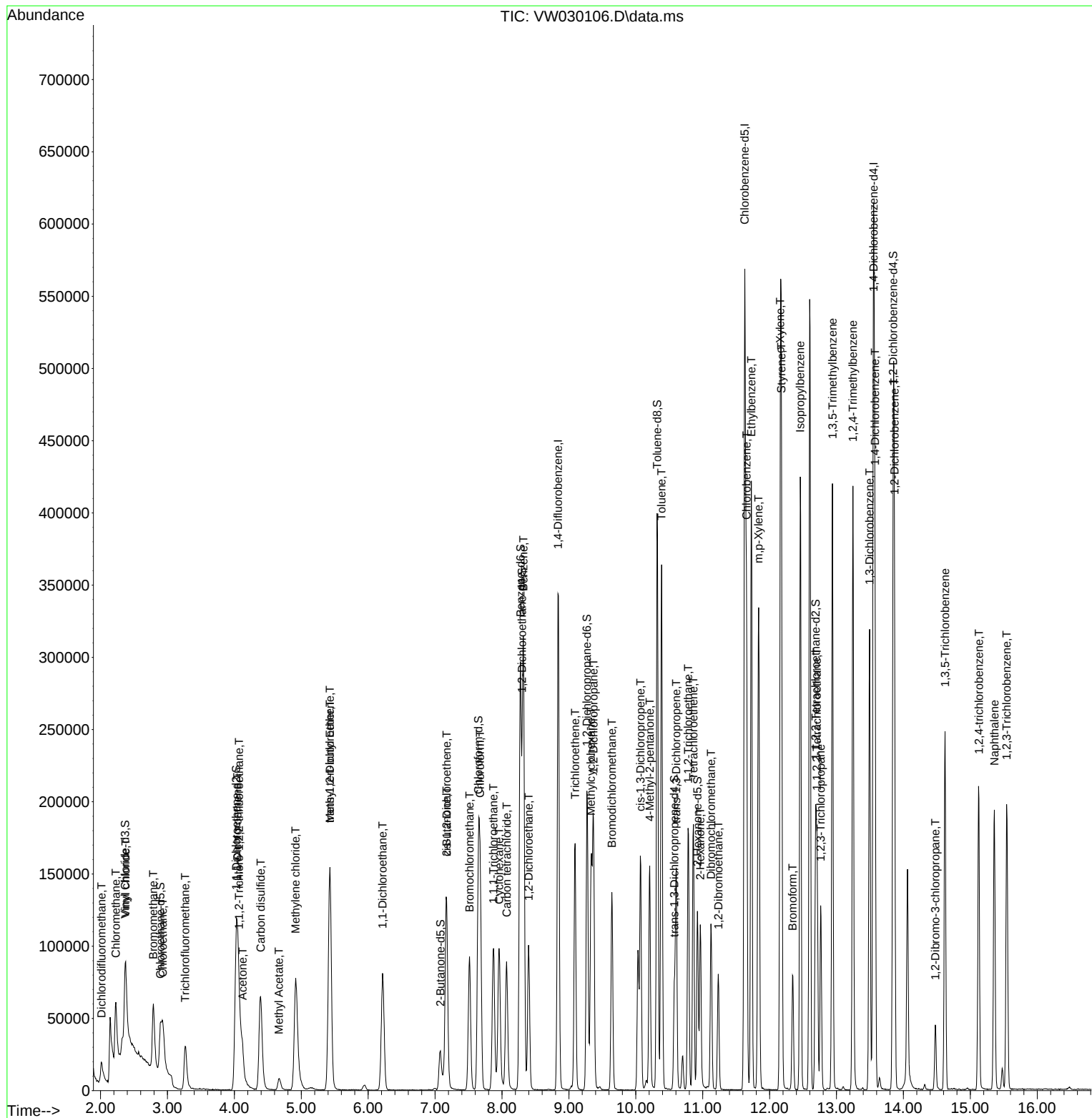
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 89834    | 18.727 | ug/L   | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 52667    | 7.830  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 79852    | 12.238 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 66579    | 11.357 | ug/L   | 98       |
| 33) Benzene                   | 8.319  | 78   | 248776   | 13.938 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 59190    | 12.316 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.331  | 83   | 58991    | 7.494  | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 73253    | 16.207 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 91000    | 15.957 | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 95622    | 13.745 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 103070   | 45.812 | ug/L   | 93       |
| 42) Toluene                   | 10.386 | 91   | 262987   | 13.836 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 85309    | 15.155 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 56430    | 17.034 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 40595    | 11.129 | ug/L   | 90       |
| 48) 2-Hexanone                | 10.965 | 43   | 73333    | 45.850 | ug/L   | 91       |
| 49) Dibromochloromethane      | 11.123 | 129  | 59809    | 16.992 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 53014    | 17.132 | ug/L   | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 166891   | 13.732 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 281875   | 13.088 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 103398   | 12.865 | ug/L   | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 103133   | 13.369 | ug/L   | 100      |
| 55) Styrene                   | 12.178 | 104  | 151615   | 11.730 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 72874    | 19.535 | ug/L   | 99       |
| 59) Bromoform                 | 12.343 | 173  | 34960    | 17.890 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 258778   | 12.361 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 53253    | 19.959 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 211171   | 13.566 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 212289   | 12.939 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 121496   | 13.613 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 121851   | 13.515 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 114844   | 14.385 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 12298    | 21.532 | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 70725    | 12.138 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 61875    | 12.269 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 158441   | 16.453 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 59827    | 13.515 | ug/L   | 94       |

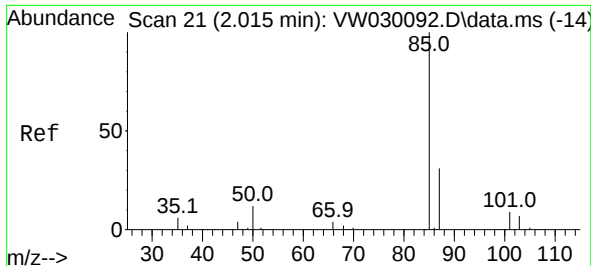
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QLast Update : Thu Aug 29 21:32:12 2024  
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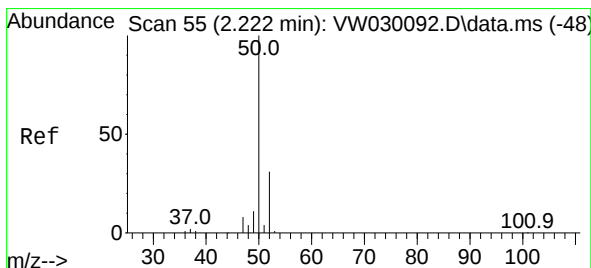
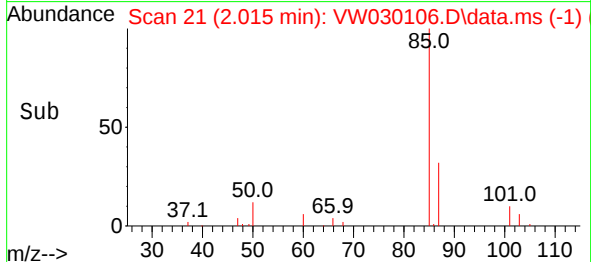
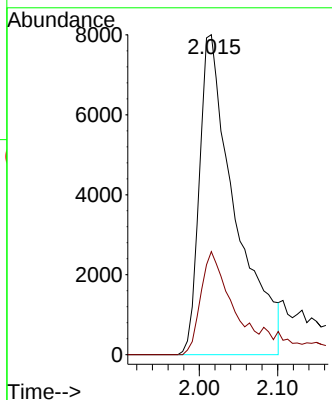
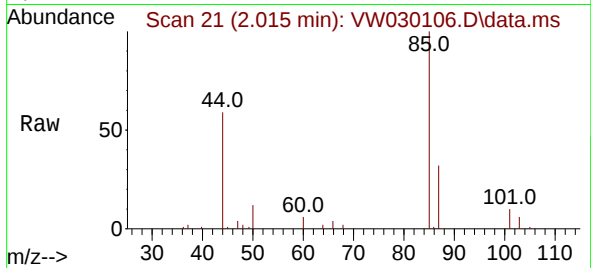




#2  
Dichlorodifluoromethane  
Concen: 7.883 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

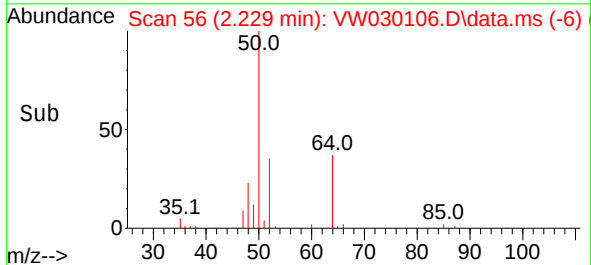
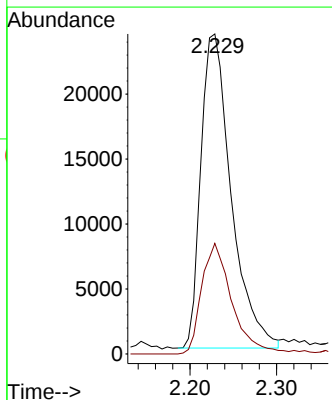
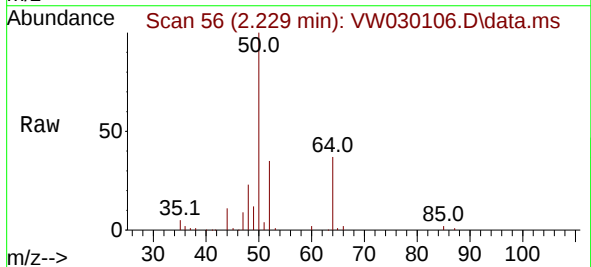
Instrument :  
MSVOA\_W  
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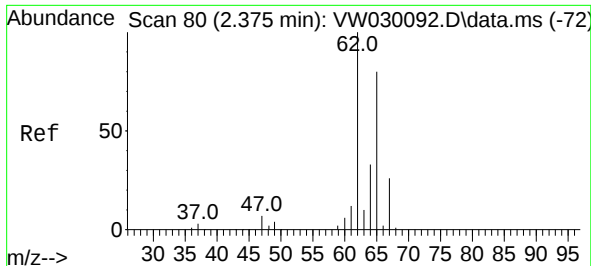
Tgt Ion: 85 Resp: 25218  
Ion Ratio Lower Upper  
85 100  
87 25.6 24.2 36.2



#3  
Chloromethane  
Concen: 15.824 ug/L  
RT: 2.229 min Scan# 56  
Delta R.T. 0.006 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

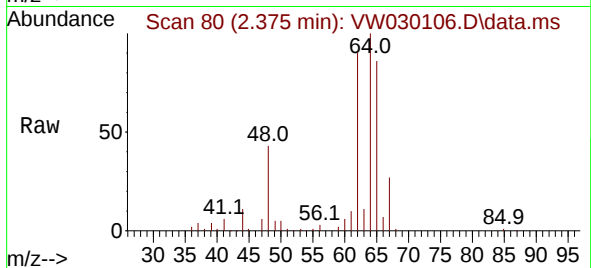
Tgt Ion: 50 Resp: 58845  
Ion Ratio Lower Upper  
50 100  
52 34.5 21.6 40.2



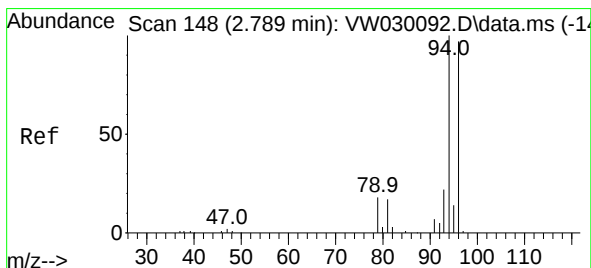
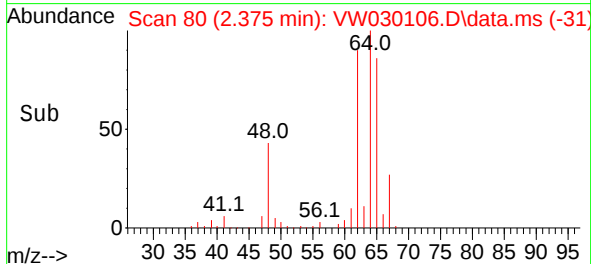
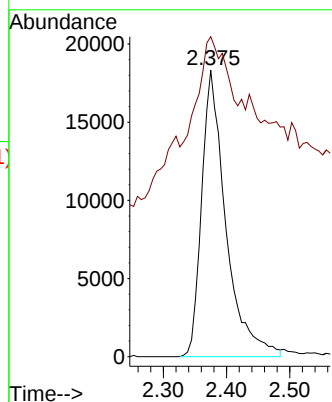


#5  
 Vinyl chloride  
 Concen: 11.115 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW030106.D  
 Acq: 29 Aug 2024 17:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :

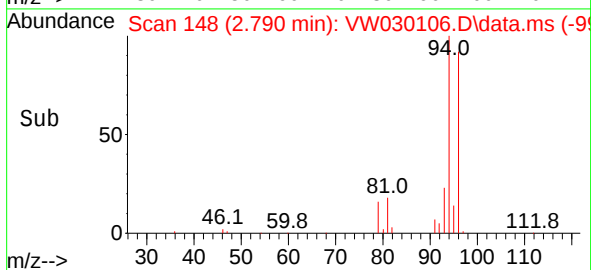
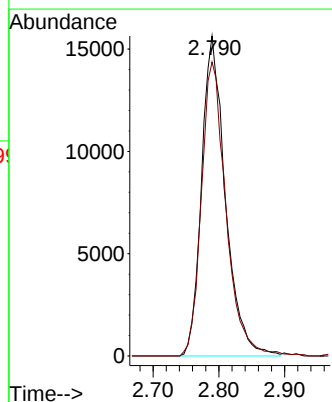
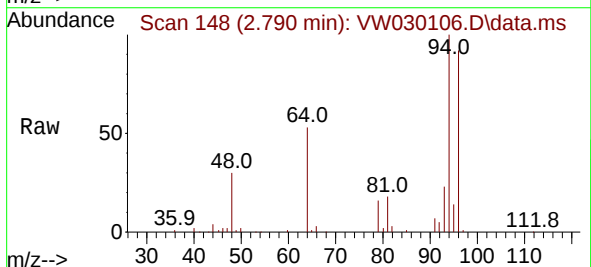


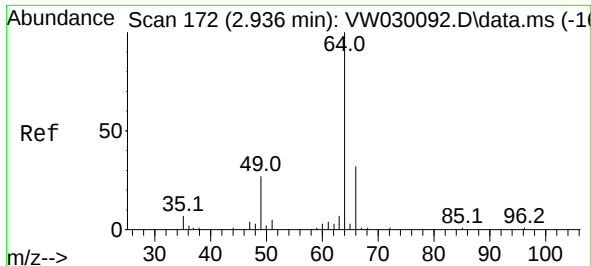
Tgt Ion: 62 Resp: 48854  
 Ion Ratio Lower Upper  
 62 100  
 64 111.7 24.4 45.4#



#6  
 Bromomethane  
 Concen: 14.403 ug/L  
 RT: 2.790 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VW030106.D  
 Acq: 29 Aug 2024 17:44

Tgt Ion: 94 Resp: 39343  
 Ion Ratio Lower Upper  
 94 100  
 96 91.8 62.4 115.8

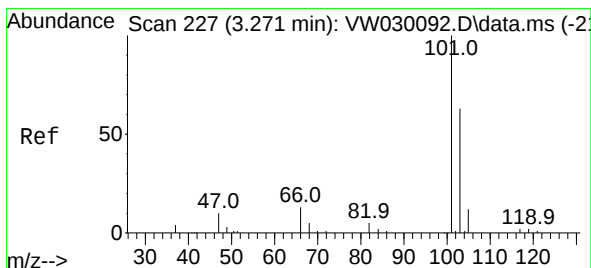
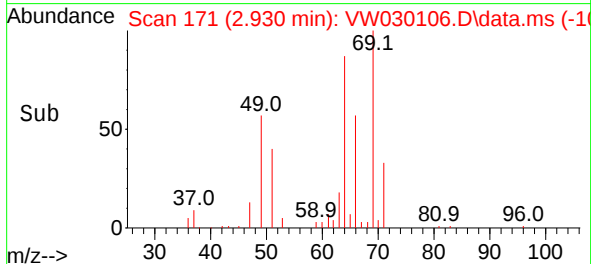
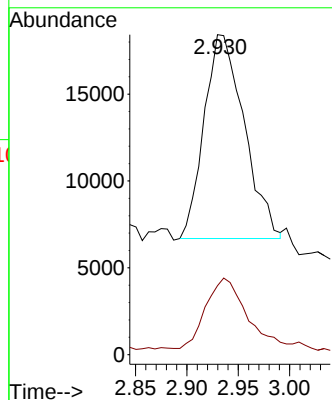
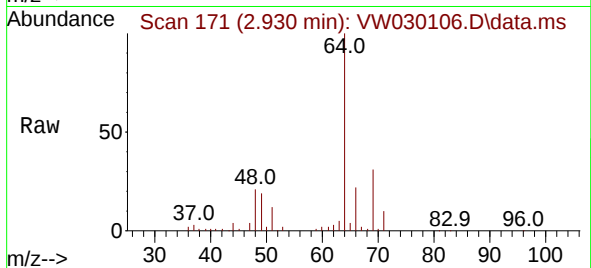




#8  
Chloroethane  
Concen: 12.564 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

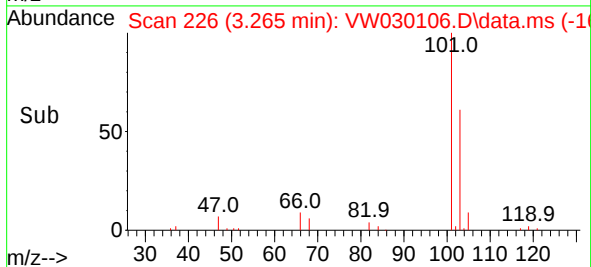
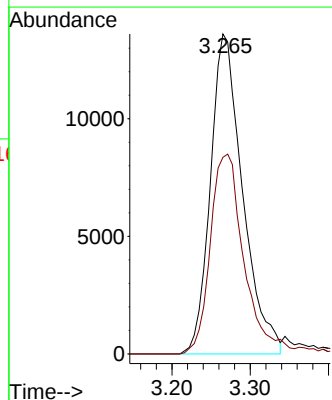
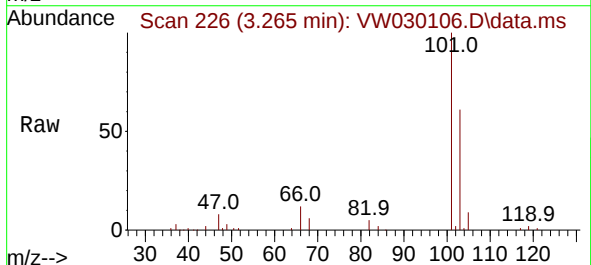
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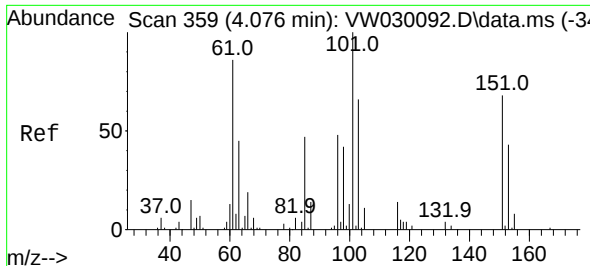
Tgt Ion: 64 Resp: 31823  
Ion Ratio Lower Upper  
64 100  
66 21.6 21.7 40.3#



#9  
Trichlorofluoromethane  
Concen: 10.211 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion:101 Resp: 38867  
Ion Ratio Lower Upper  
101 100  
103 65.0 50.7 76.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 8.228 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :

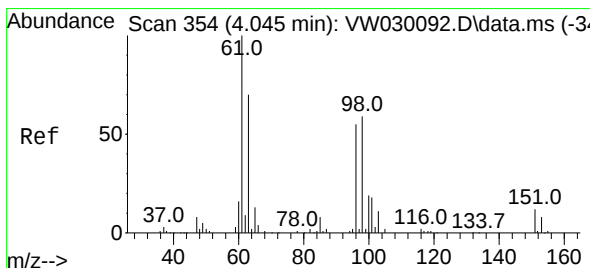
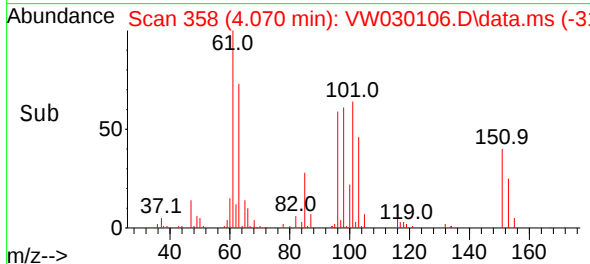
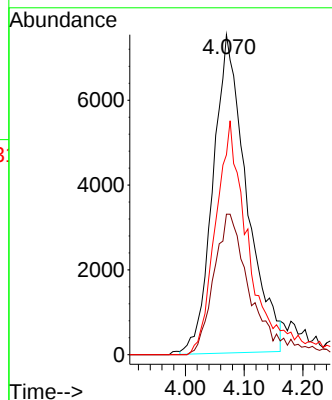
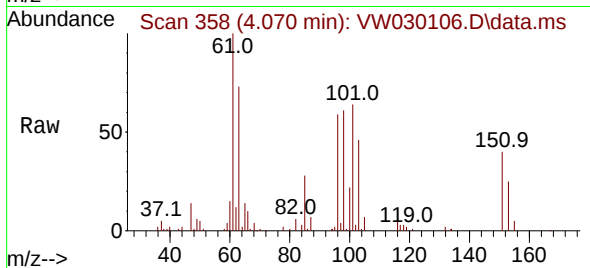
Tgt Ion:101 Resp: 29964

Ion Ratio Lower Upper

101 100

85 44.3 34.7 52.1

151 70.8 54.8 82.2



#12

1,1-Dichloroethene

Concen: 11.489 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

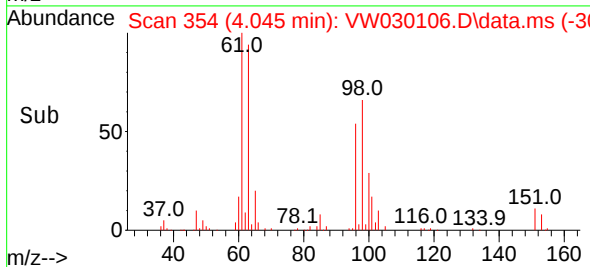
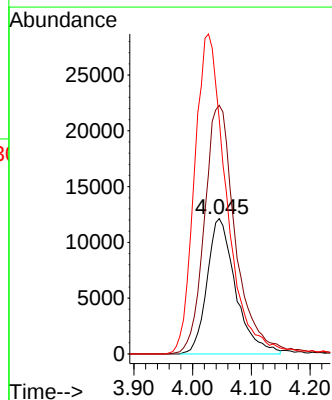
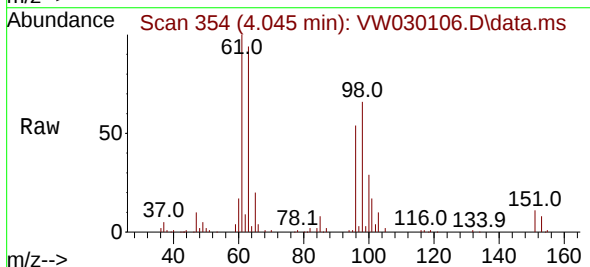
Tgt Ion: 96 Resp: 40960

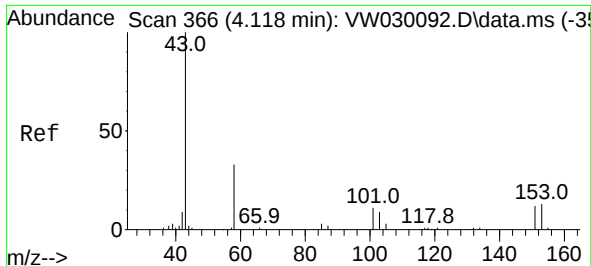
Ion Ratio Lower Upper

96 100

61 183.6 126.0 234.0

63 173.4 101.8 189.2

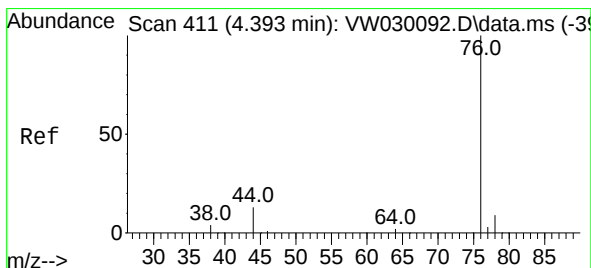
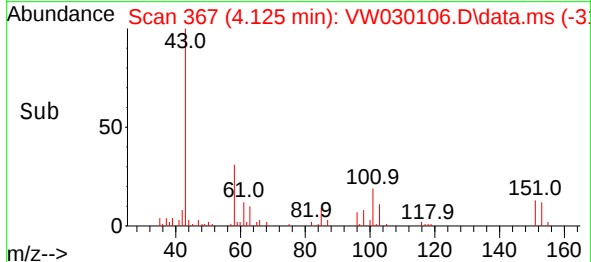
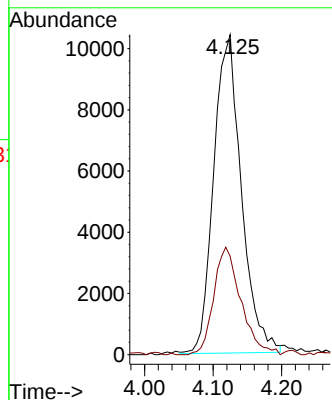
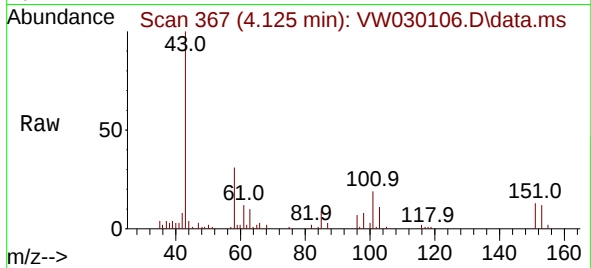




#13  
Acetone  
Concen: 38.651 ug/L  
RT: 4.125 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

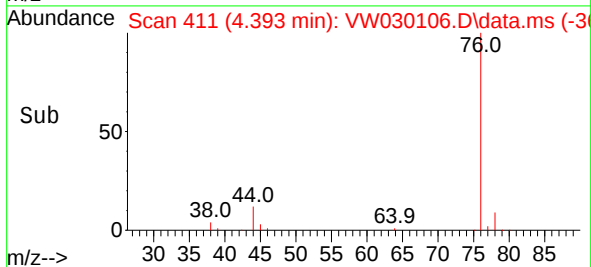
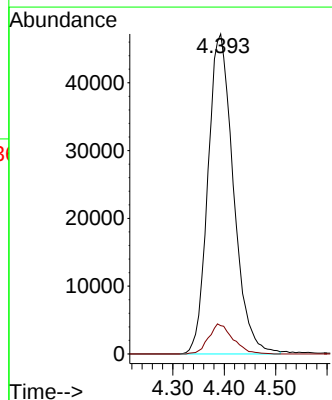
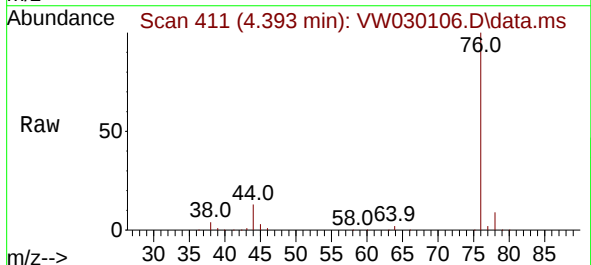
Instrument :  
MSVOA\_W  
ClientSampleId :

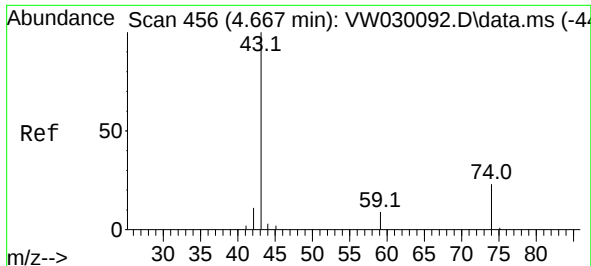
Tgt Ion: 43 Resp: 29168  
Ion Ratio Lower Upper  
43 100  
58 33.0 0.0 66.4



#14  
Carbon disulfide  
Concen: 14.665 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion: 76 Resp: 162193  
Ion Ratio Lower Upper  
76 100  
78 8.8 6.6 9.8





#15

Methyl Acetate

Concen: 10.744 ug/L

RT: 4.667 min Scan# 456

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

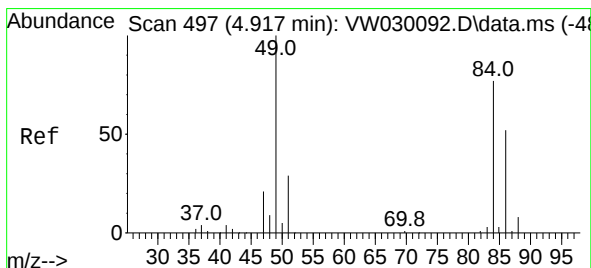
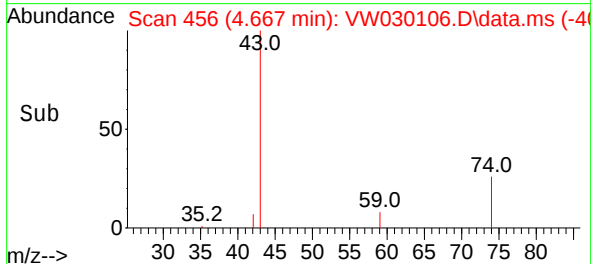
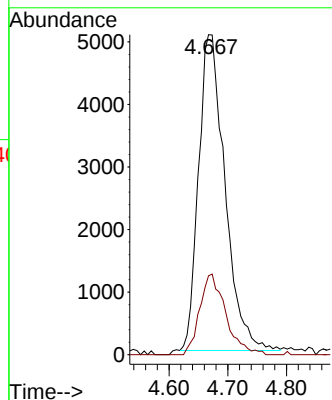
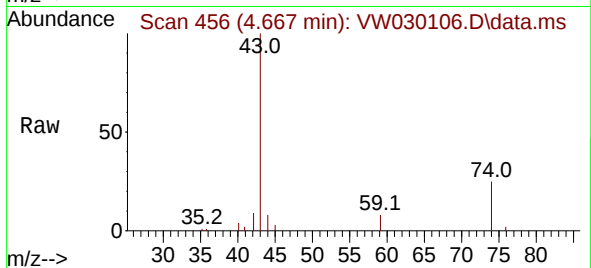
ClientSampleId :

Tgt Ion: 43 Resp: 15808

Ion Ratio Lower Upper

43 100

74 25.1 19.9 29.9



#16

Methylene chloride

Concen: 14.973 ug/L

RT: 4.917 min Scan# 497

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

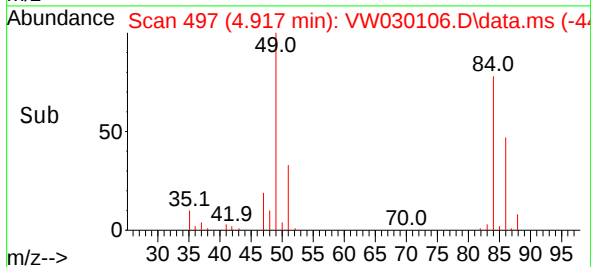
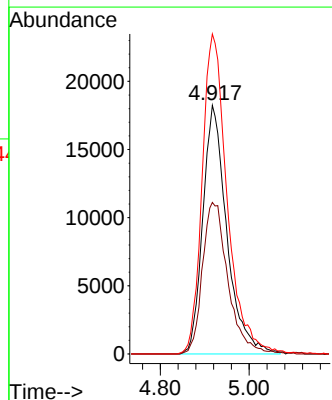
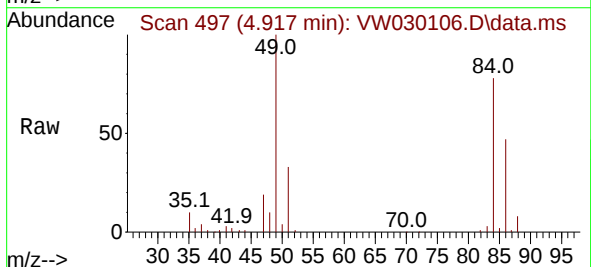
Tgt Ion: 84 Resp: 68794

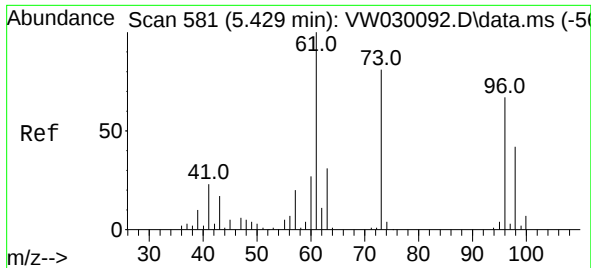
Ion Ratio Lower Upper

84 100

86 60.9 44.2 82.2

49 128.7 79.9 148.3





#17

trans-1,2-Dichloroethene

Concen: 13.416 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

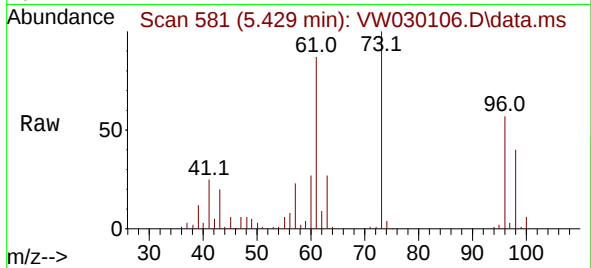
Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :



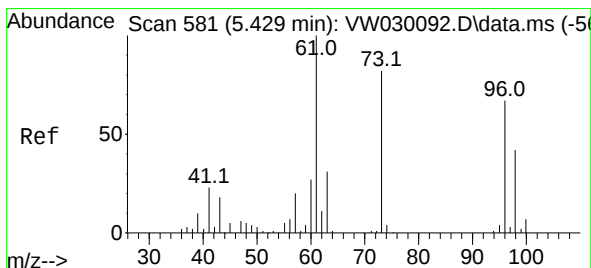
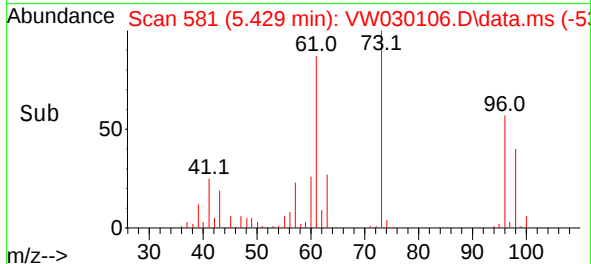
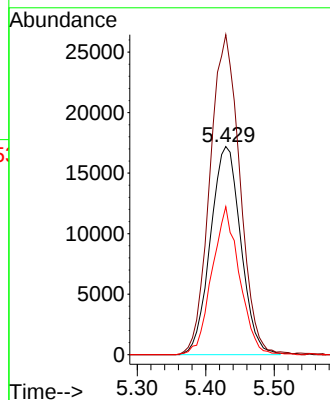
Tgt Ion: 96 Resp: 52895

Ion Ratio Lower Upper

96 100

61 153.7 98.3 182.7

98 71.1 45.3 84.1



#18

Methyl tert-butyl Ether

Concen: 17.134 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

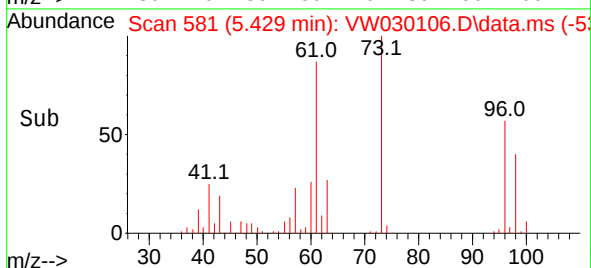
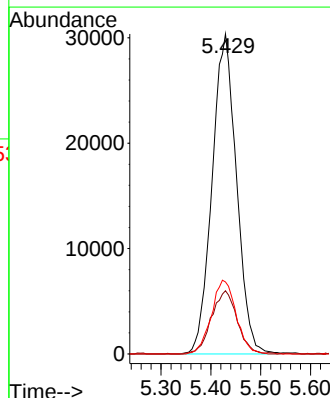
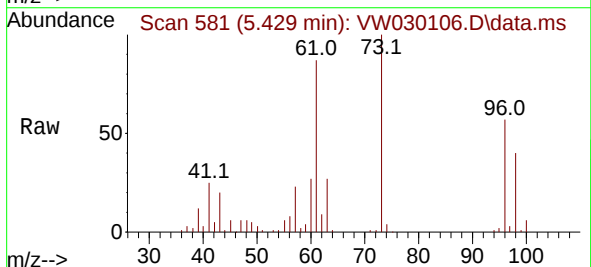
Tgt Ion: 73 Resp: 103312

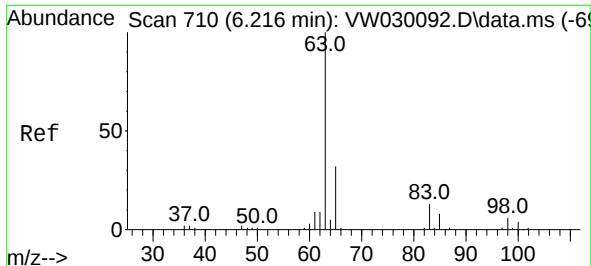
Ion Ratio Lower Upper

73 100

43 20.8 15.4 23.2

57 23.3 17.4 26.0

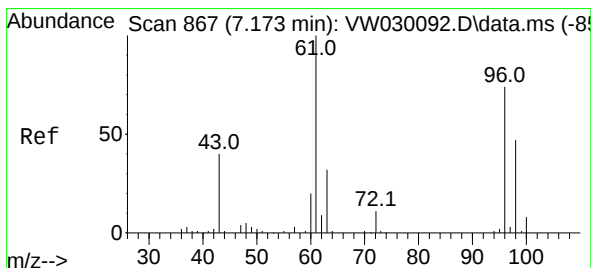
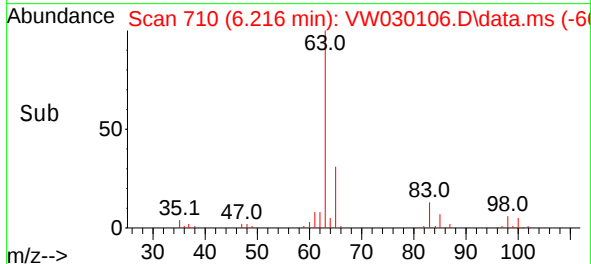
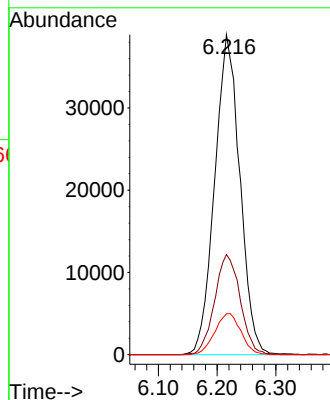
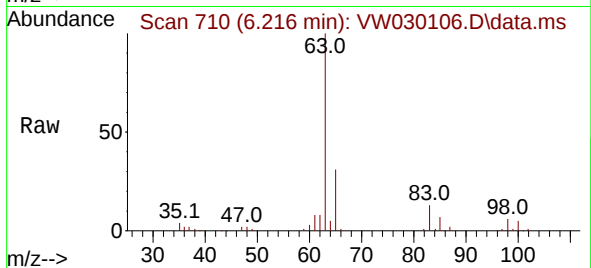




#19  
1,1-Dichloroethane  
Concen: 15.785 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

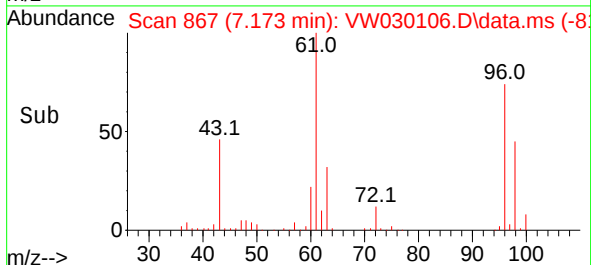
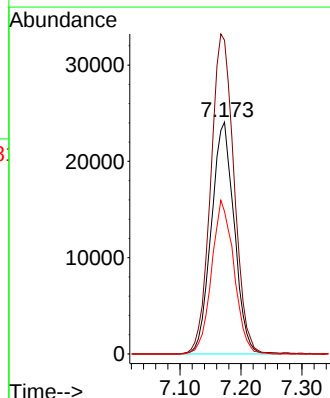
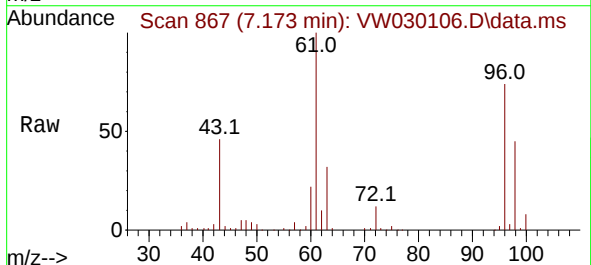
Instrument :  
MSVOA\_W  
ClientSampleId :

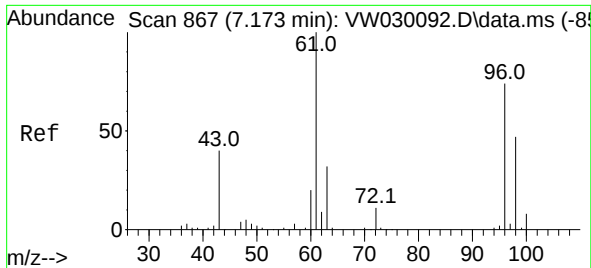
Tgt Ion: 63 Resp: 115654  
Ion Ratio Lower Upper  
63 100  
65 31.3 21.6 40.0  
83 12.8 9.7 17.9



#20  
cis-1,2-Dichloroethene  
Concen: 14.440 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion: 96 Resp: 62926  
Ion Ratio Lower Upper  
96 100  
61 135.4 99.6 185.0  
98 61.5 46.5 86.5

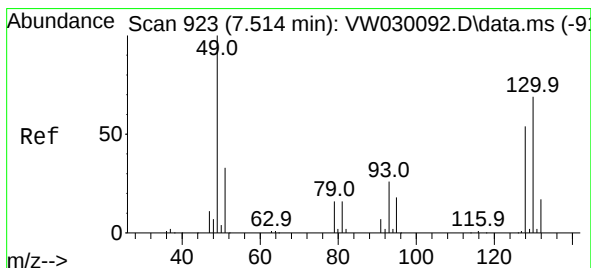
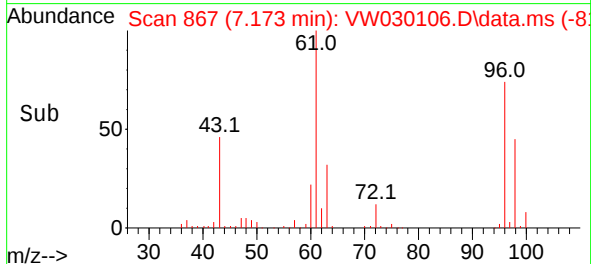
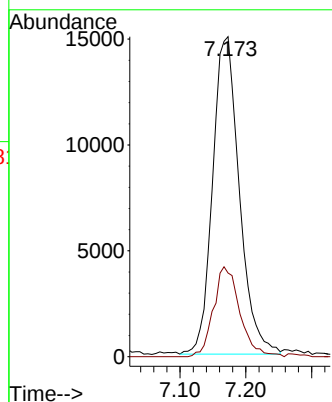
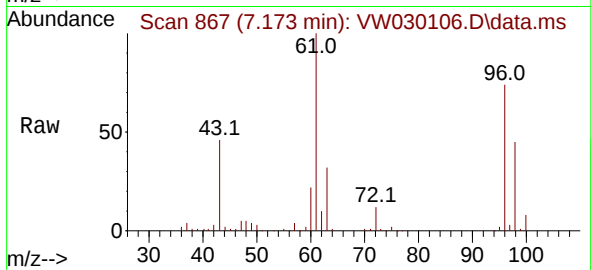




#22  
2-Butanone  
Concen: 39.349 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

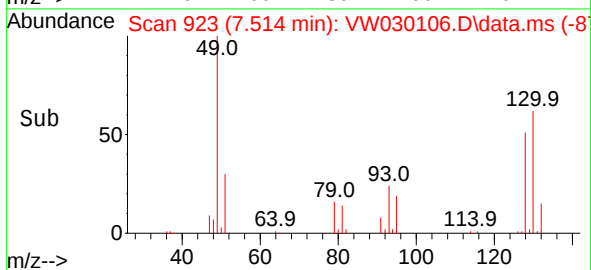
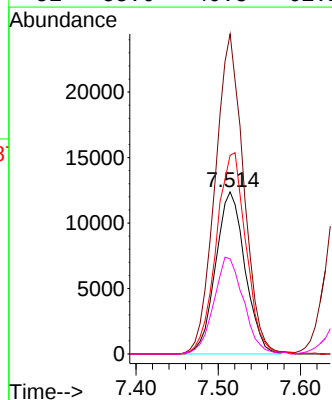
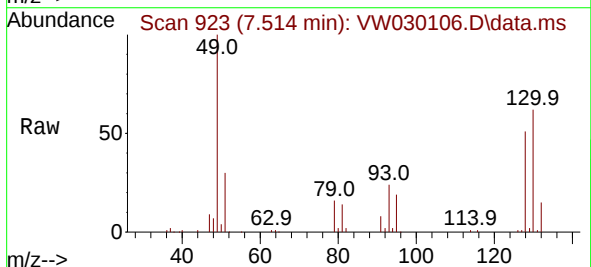
Instrument :  
MSVOA\_W  
ClientSampleId :

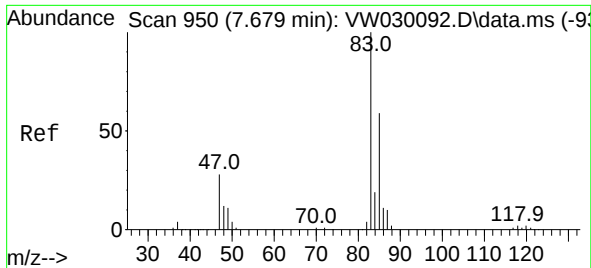
Tgt Ion: 43 Resp: 42492  
Ion Ratio Lower Upper  
43 100  
72 27.8 15.0 45.1



#23  
Bromochloromethane  
Concen: 16.653 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion: 128 Resp: 30781  
Ion Ratio Lower Upper  
128 100  
49 197.4 117.3 217.9  
130 122.6 89.3 165.9  
51 58.6 40.8 61.2





#25

Chloroform

Concen: 15.889 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

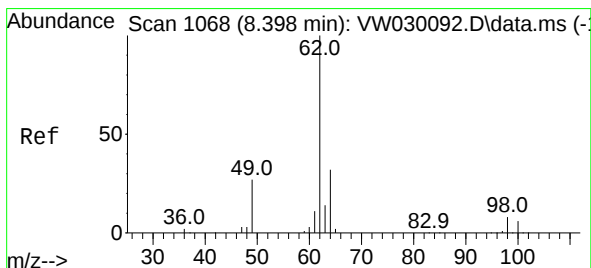
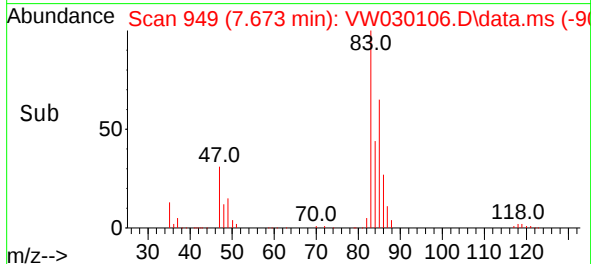
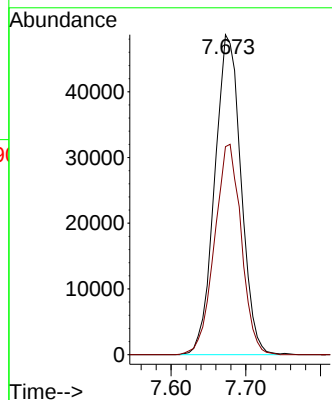
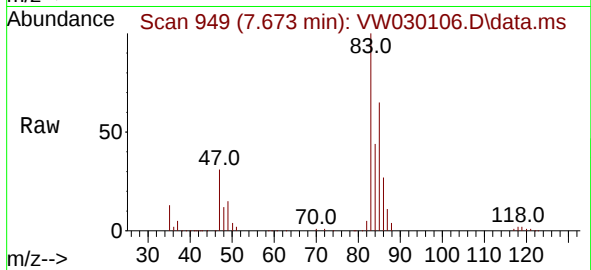
ClientSampleId :

Tgt Ion: 83 Resp: 119077

Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.4



#27

1,2-Dichloroethane

Concen: 18.727 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW030106.D

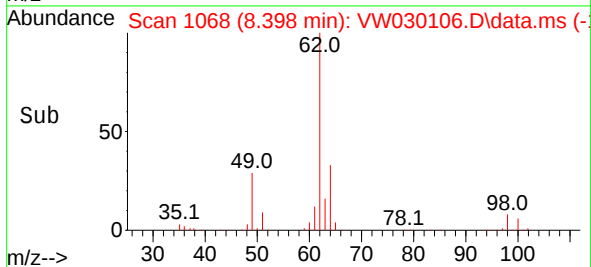
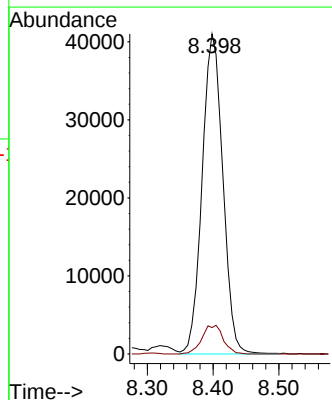
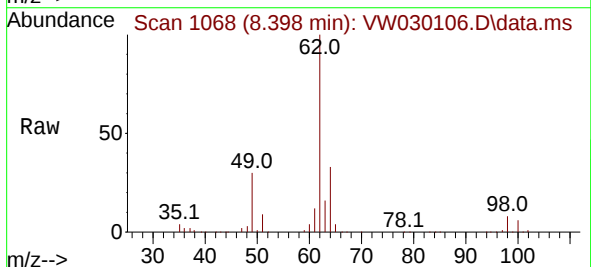
Acq: 29 Aug 2024 17:44

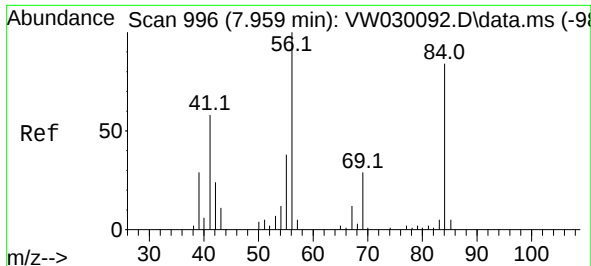
Tgt Ion: 62 Resp: 89834

Ion Ratio Lower Upper

62 100

98 8.3 7.7 11.5





#29

Cyclohexane

Concen: 7.830 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :

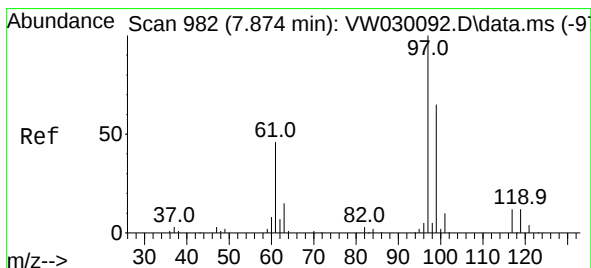
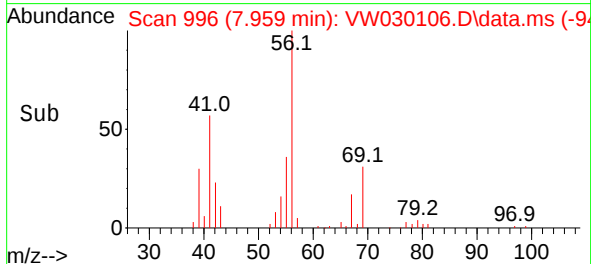
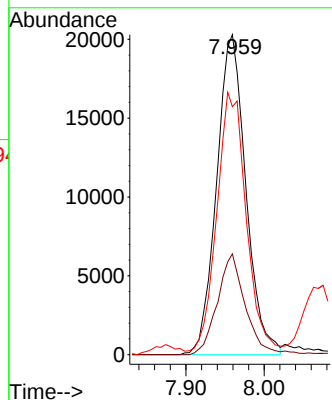
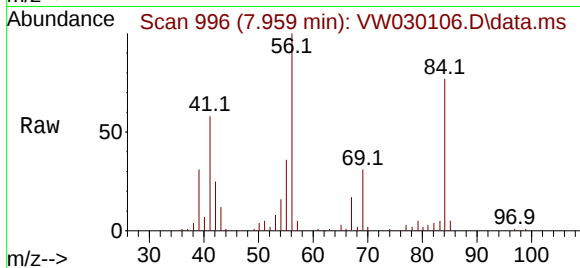
Tgt Ion: 56 Resp: 52667

Ion Ratio Lower Upper

56 100

69 29.6 24.4 36.6

84 83.0 68.1 102.1



#30

1,1,1-Trichloroethane

Concen: 12.238 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

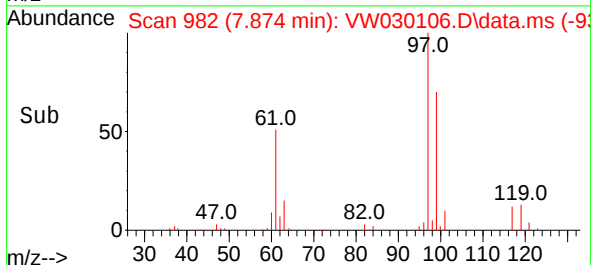
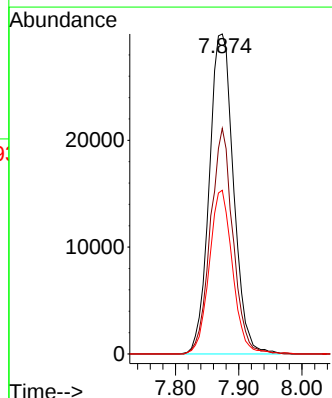
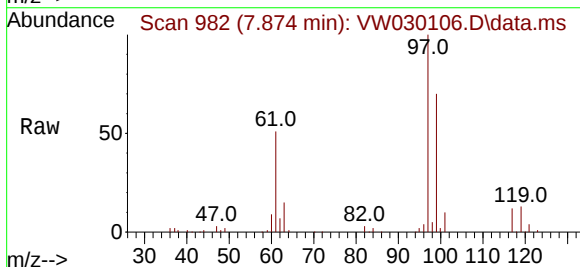
Tgt Ion: 97 Resp: 79852

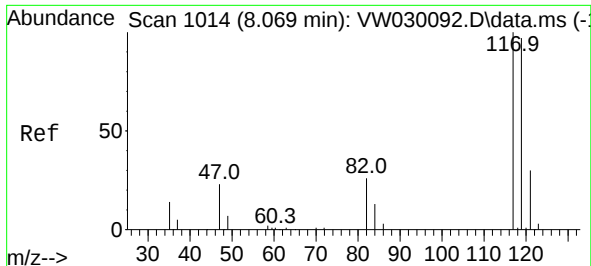
Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

61 49.1 37.2 55.8

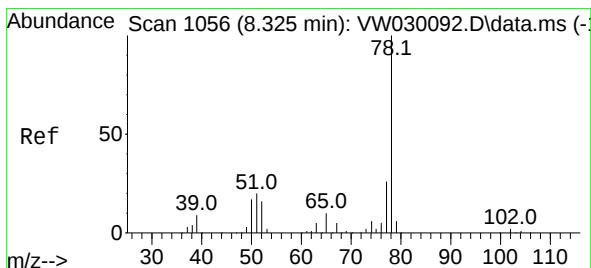
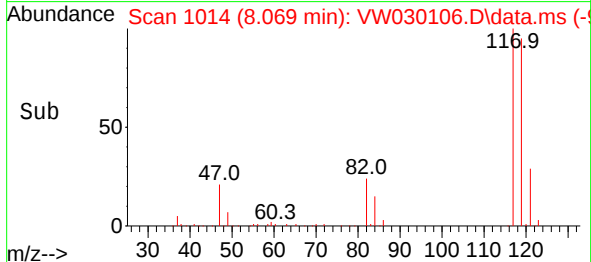
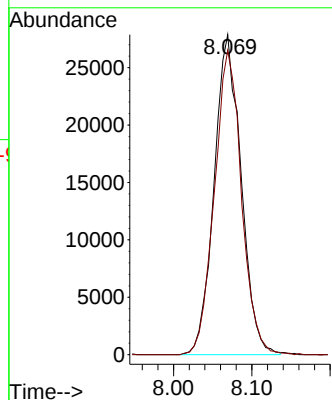
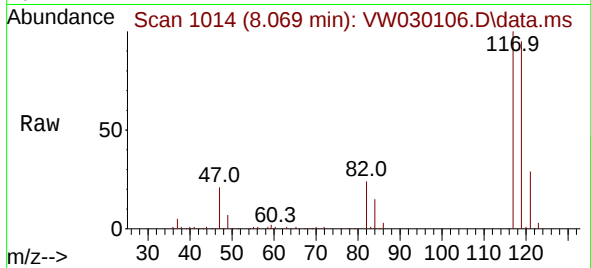




#31  
Carbon tetrachloride  
Concen: 11.357 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

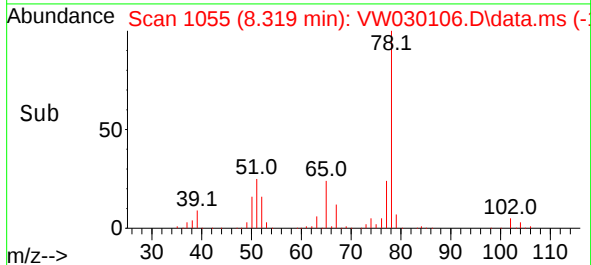
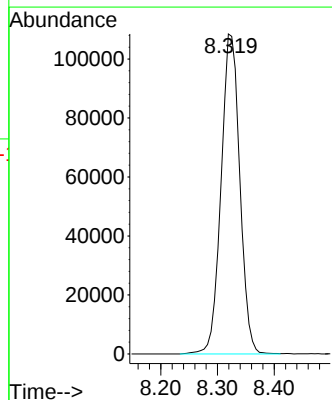
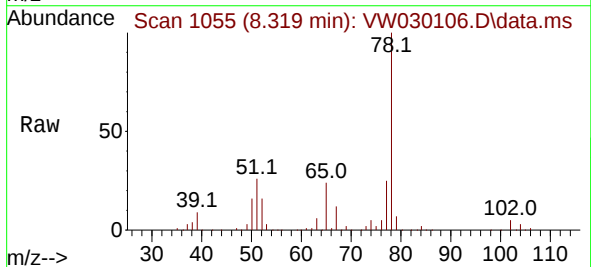
Instrument :  
MSVOA\_W  
ClientSampleId :

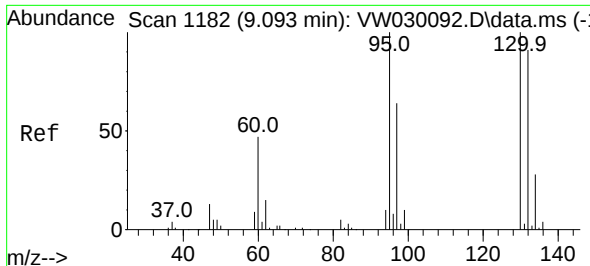
Tgt Ion:117 Resp: 66579  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.7 116.5



#33  
Benzene  
Concen: 13.938 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion: 78 Resp: 248776





#34

Trichloroethene

Concen: 12.316 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

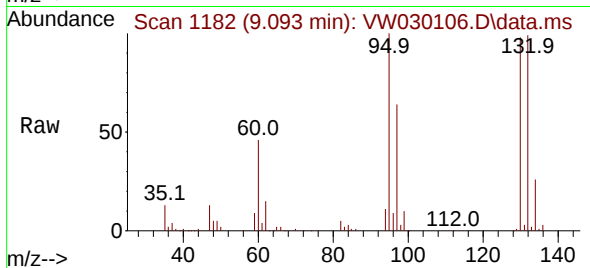
Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 59190

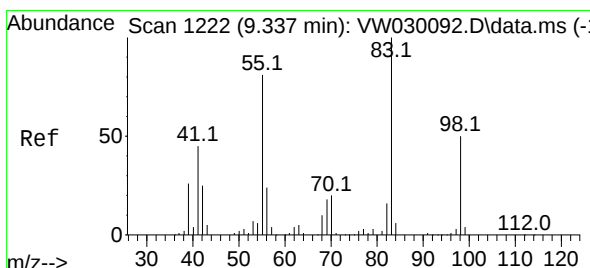
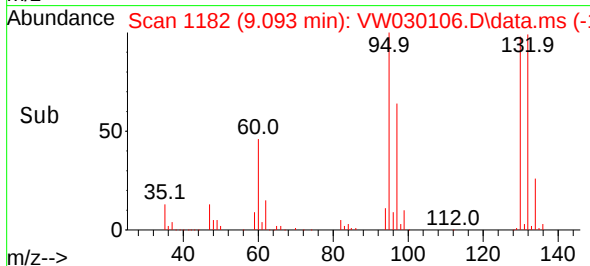
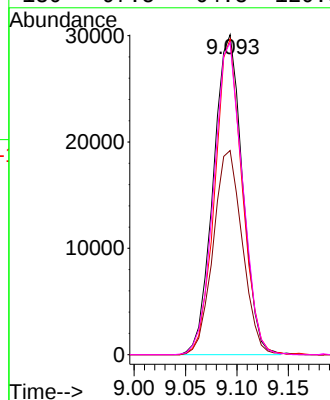
Ion Ratio Lower Upper

95 100

97 63.8 43.3 80.5

132 98.6 63.6 118.0

130 97.5 64.8 120.3



#35

Methylcyclohexane

Concen: 7.494 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

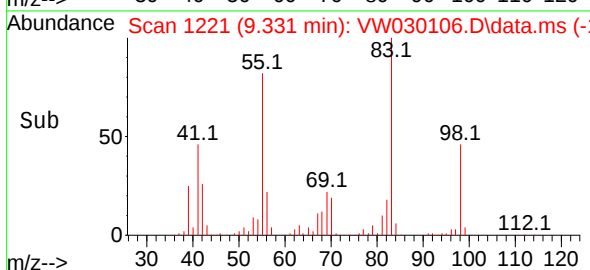
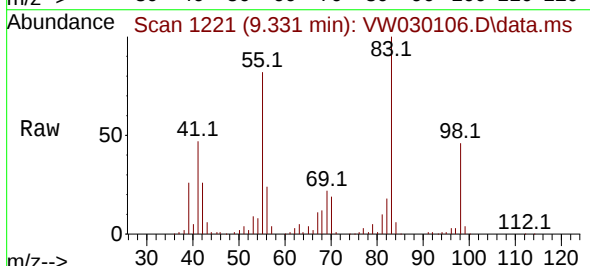
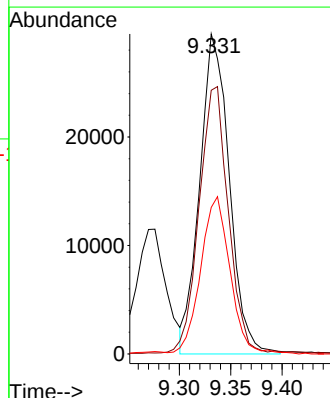
Tgt Ion: 83 Resp: 58991

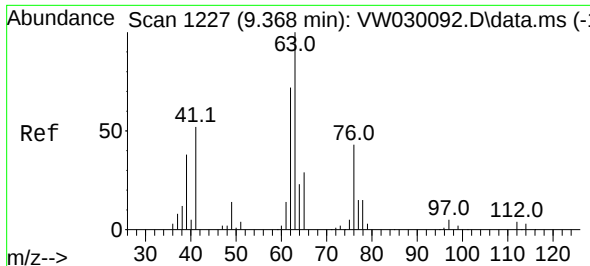
Ion Ratio Lower Upper

83 100

55 82.9 59.0 88.6

98 49.0 38.2 57.4





#37

1,2-Dichloropropane

Concen: 16.207 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

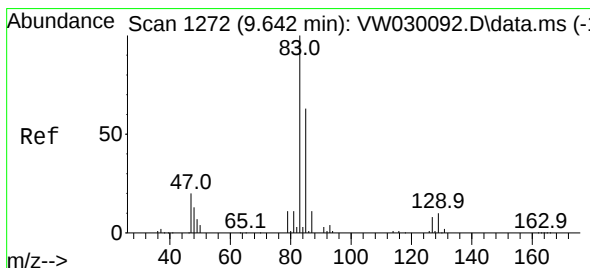
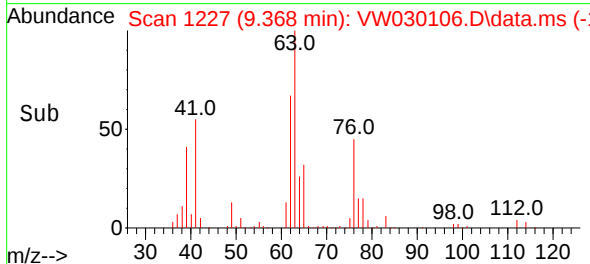
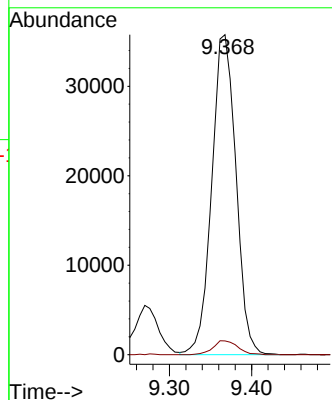
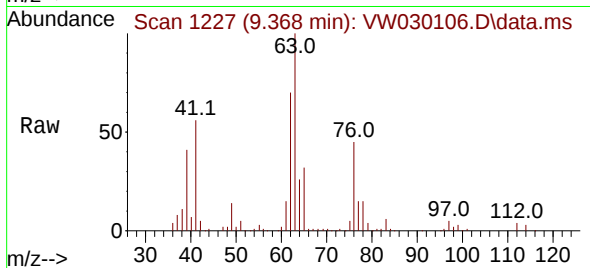
ClientSampleId :

Tgt Ion: 63 Resp: 73253

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 15.957 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

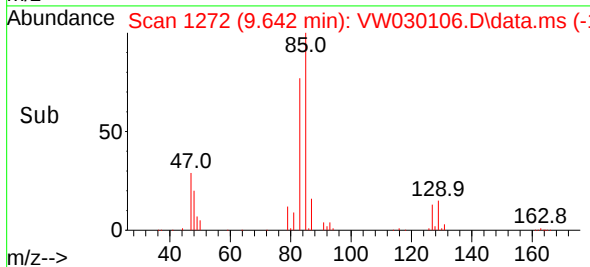
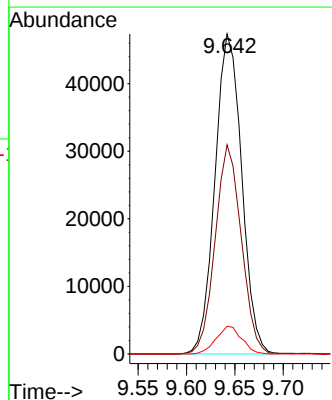
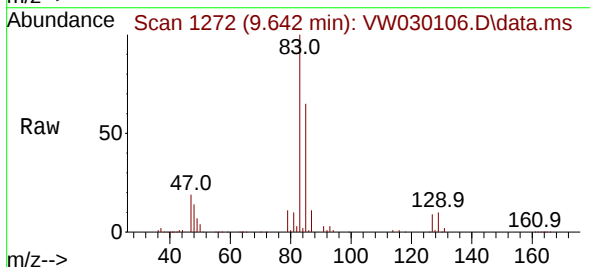
Tgt Ion: 83 Resp: 91000

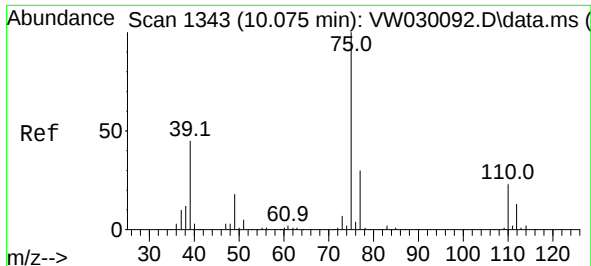
Ion Ratio Lower Upper

83 100

85 65.4 42.9 79.7

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 13.745 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

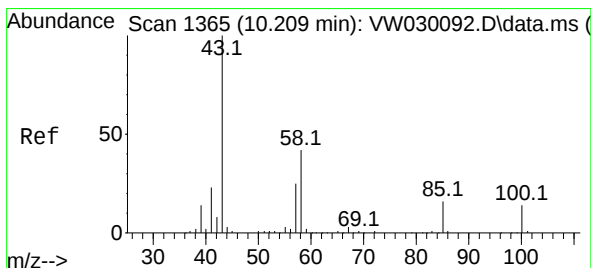
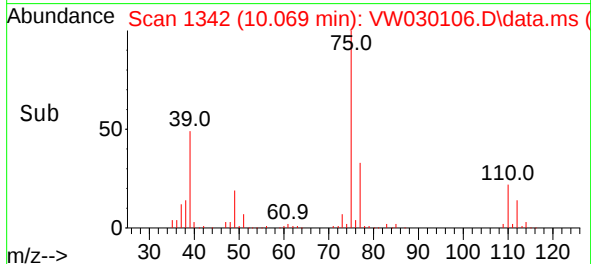
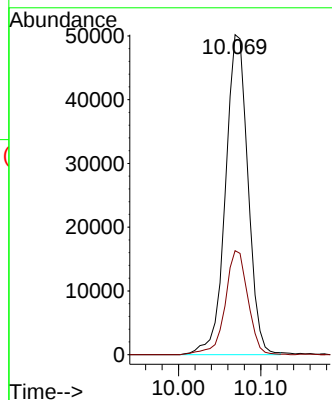
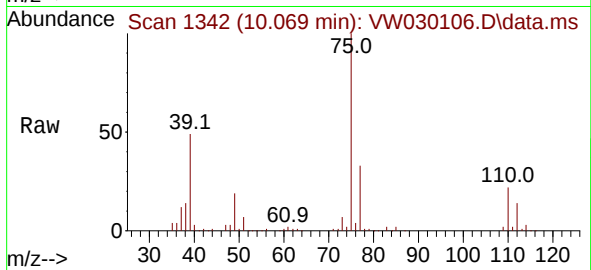
ClientSampleId :

Tgt Ion: 75 Resp: 95622

Ion Ratio Lower Upper

75 100

77 32.5 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 45.812 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

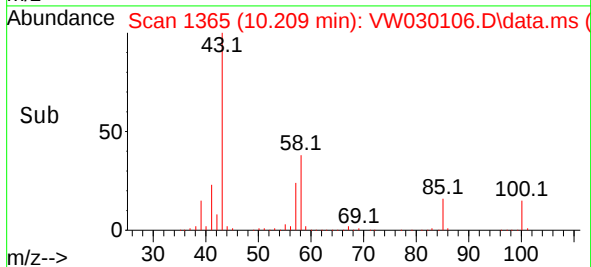
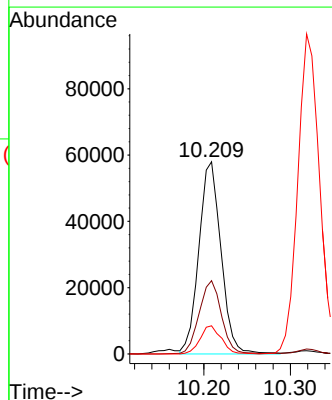
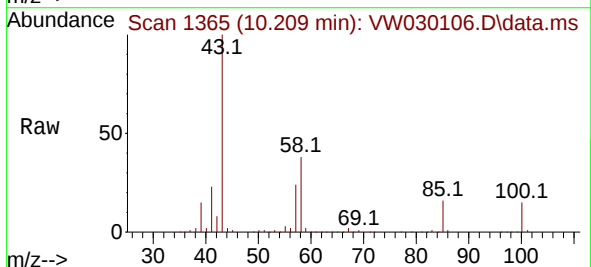
Tgt Ion: 43 Resp: 103070

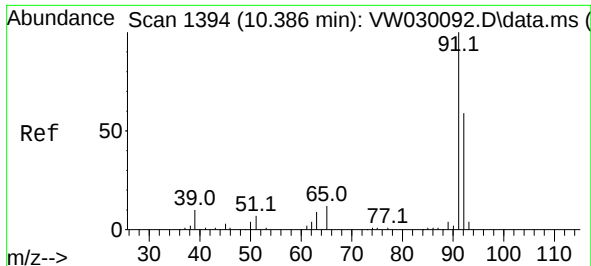
Ion Ratio Lower Upper

43 100

58 37.7 34.0 51.0

100 14.0 13.5 20.3

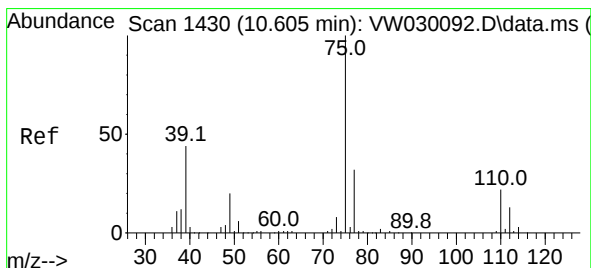
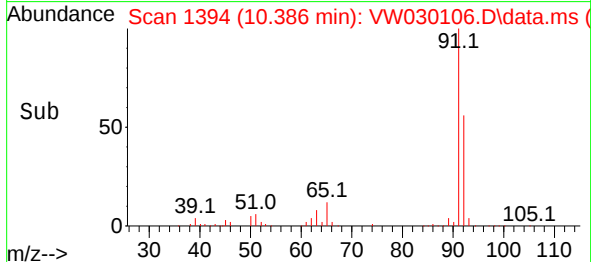
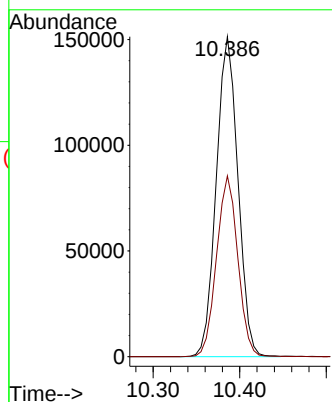
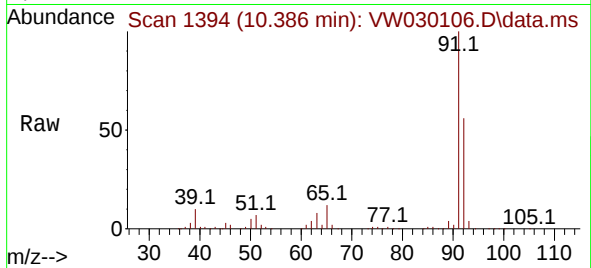




#42  
Toluene  
Concen: 13.836 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

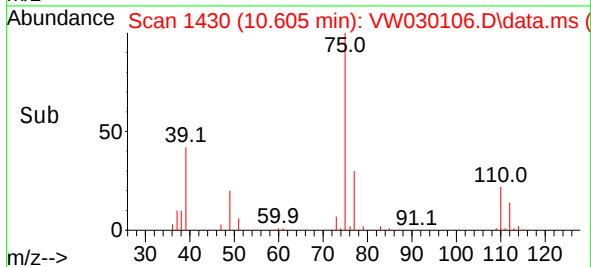
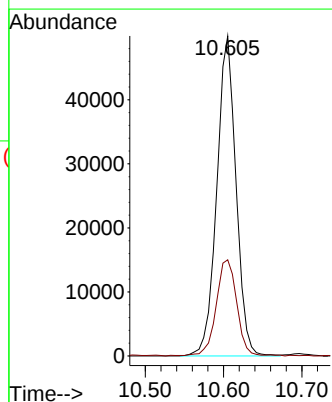
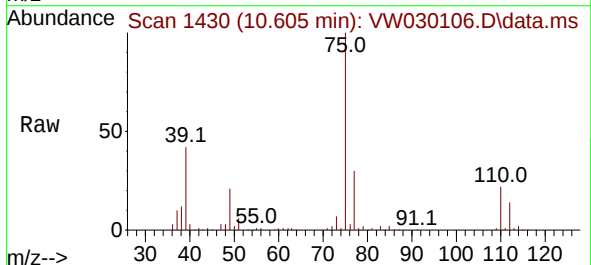
Instrument :  
MSVOA\_W  
ClientSampleId :

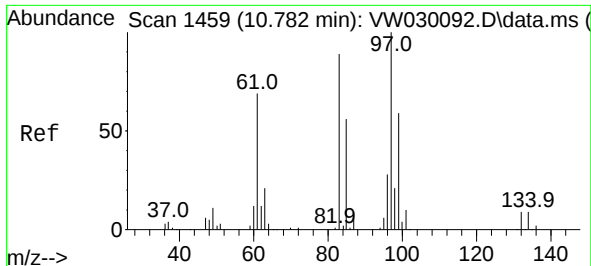
Tgt Ion: 91 Resp: 262987  
Ion Ratio Lower Upper  
91 100  
92 56.5 39.5 73.4



#44  
trans-1,3-Dichloropropene  
Concen: 15.155 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion: 75 Resp: 85309  
Ion Ratio Lower Upper  
75 100  
77 30.1 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 17.034 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 56430

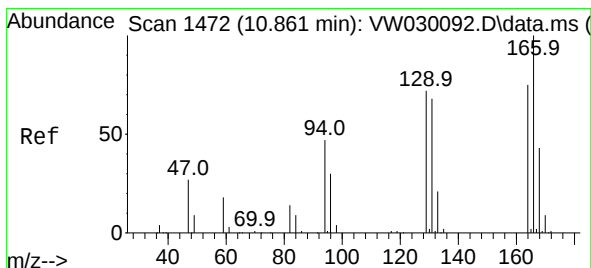
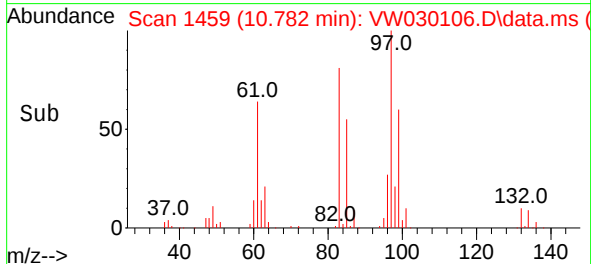
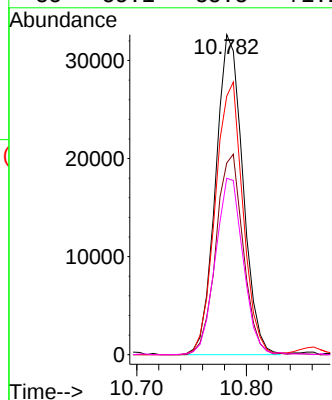
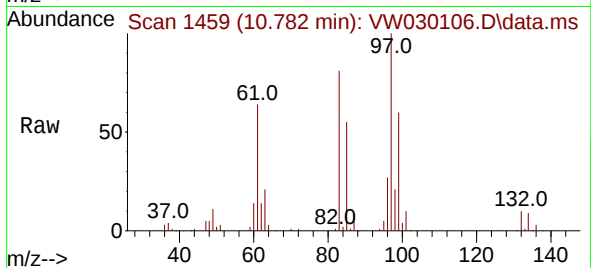
Ion Ratio Lower Upper

97 100

99 59.9 40.3 74.8

83 80.8 58.0 107.6

85 55.1 38.3 71.1



#46

Tetrachloroethene

Concen: 11.129 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Tgt Ion:164 Resp: 40595

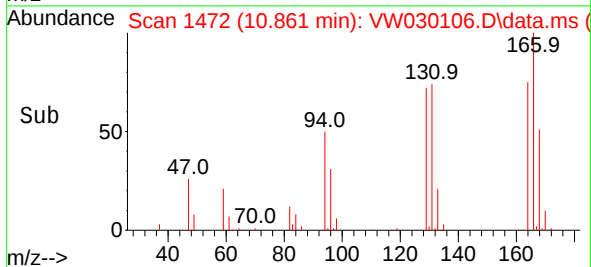
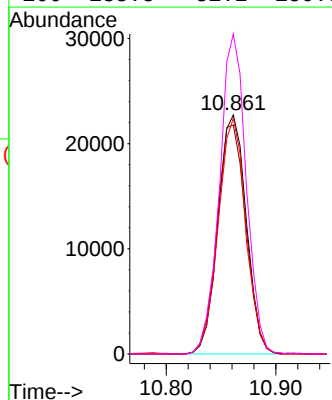
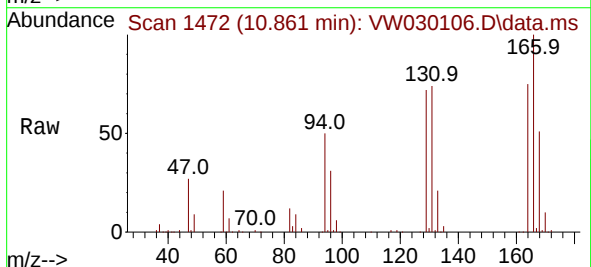
Ion Ratio Lower Upper

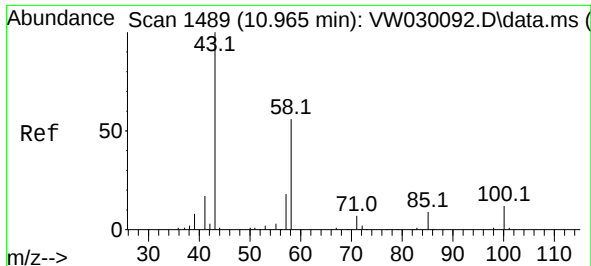
164 100

129 95.8 66.1 122.7

131 98.6 62.6 116.2

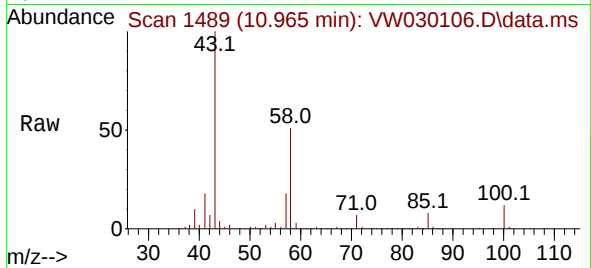
166 133.8 81.2 150.8



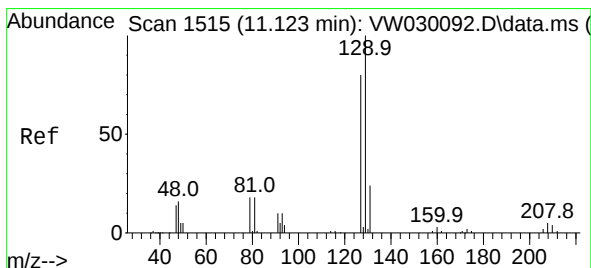
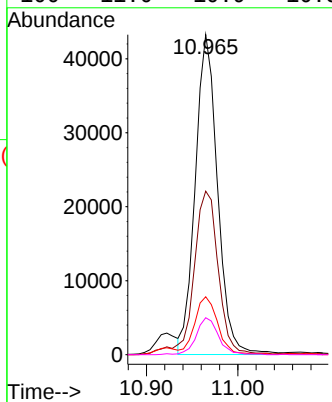
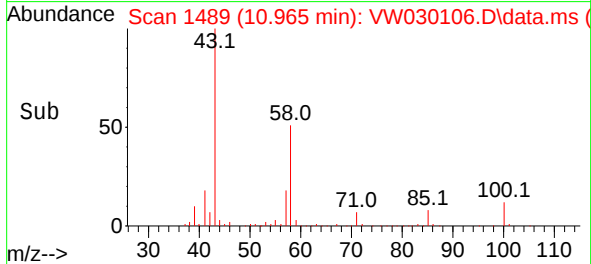


#48  
2-Hexanone  
Concen: 45.850 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Instrument :  
MSVOA\_W  
ClientSampleId :

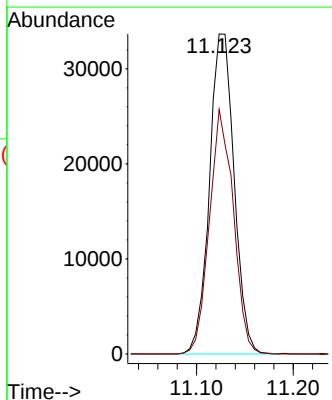
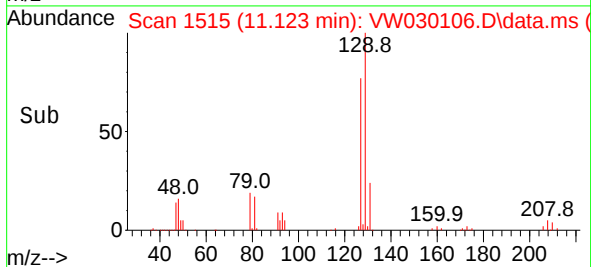
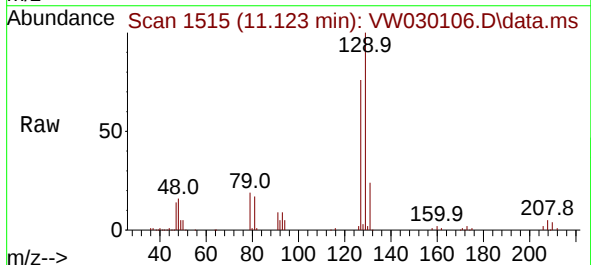


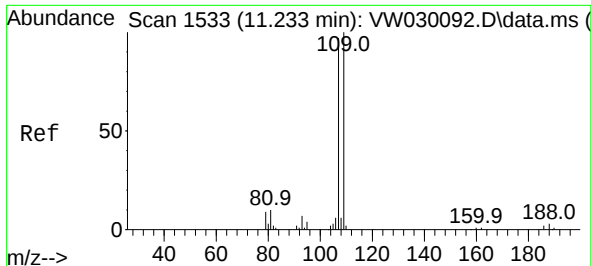
Tgt Ion: 43 Resp: 73333  
Ion Ratio Lower Upper  
43 100  
58 54.3 50.0 75.0  
57 18.6 17.3 25.9  
100 11.0 10.9 16.3



#49  
Dibromochloromethane  
Concen: 16.992 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion:129 Resp: 59809  
Ion Ratio Lower Upper  
129 100  
127 76.4 51.8 96.2





#50

1,2-Dibromoethane

Concen: 17.132 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

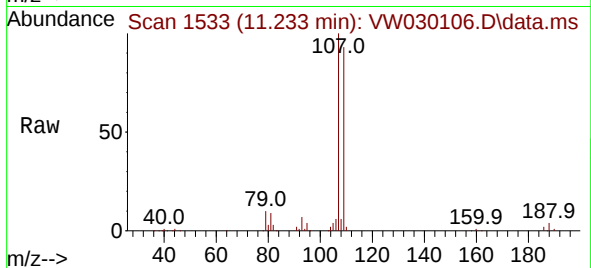
Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :



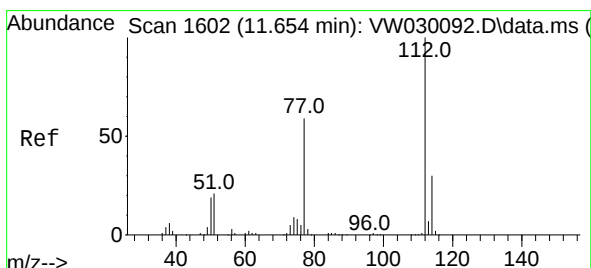
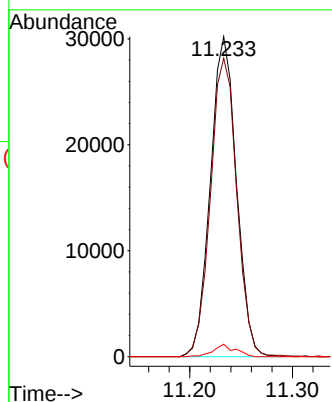
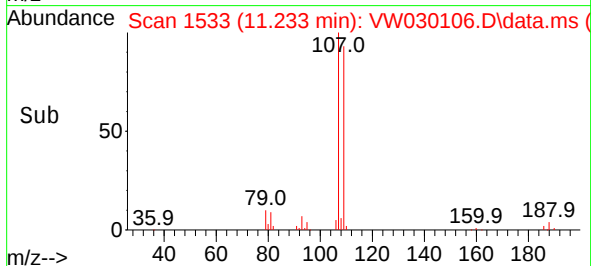
Tgt Ion:107 Resp: 53014

Ion Ratio Lower Upper

107 100

109 93.2 61.7 114.5

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 13.732 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

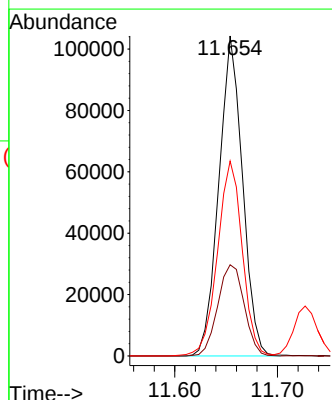
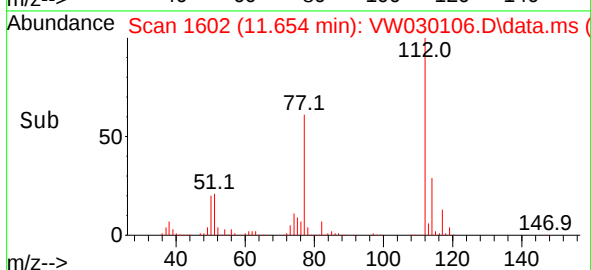
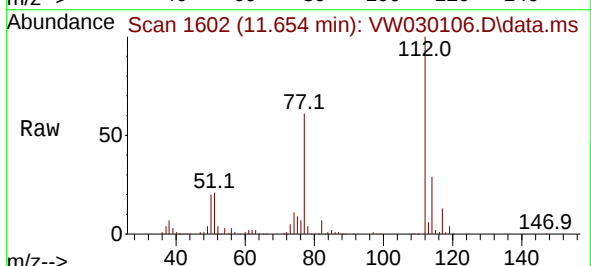
Tgt Ion:112 Resp: 166891

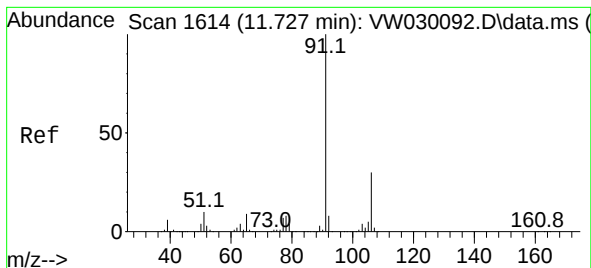
Ion Ratio Lower Upper

112 100

114 28.5 20.9 38.9

77 60.9 47.1 70.7





#52

Ethylbenzene

Concen: 13.088 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

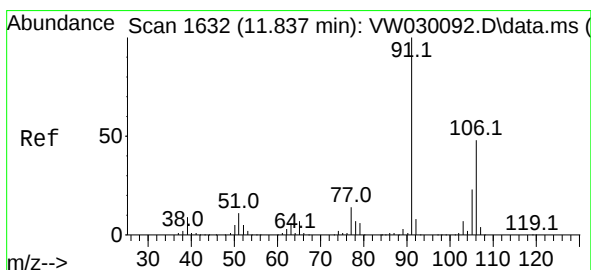
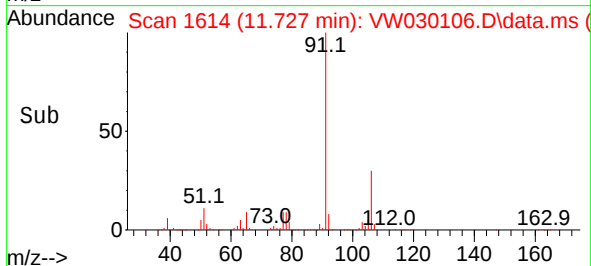
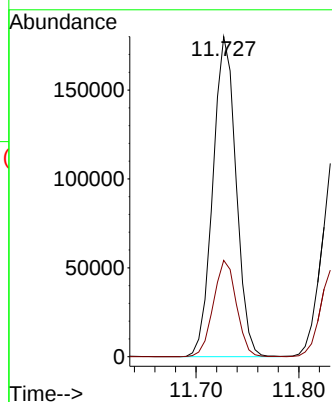
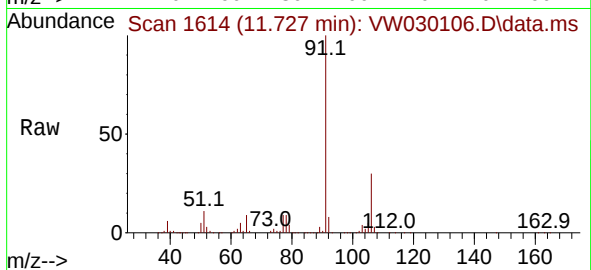
ClientSampleId :

Tgt Ion: 91 Resp: 281875

Ion Ratio Lower Upper

91 100

106 30.1 22.0 41.0



#53

m,p-Xylene

Concen: 12.865 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW030106.D

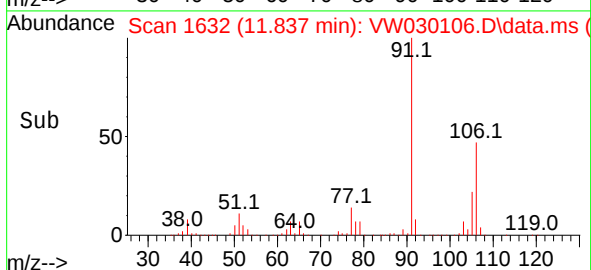
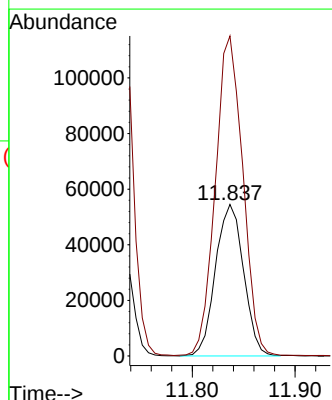
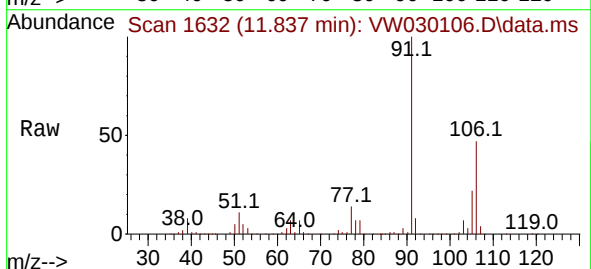
Acq: 29 Aug 2024 17:44

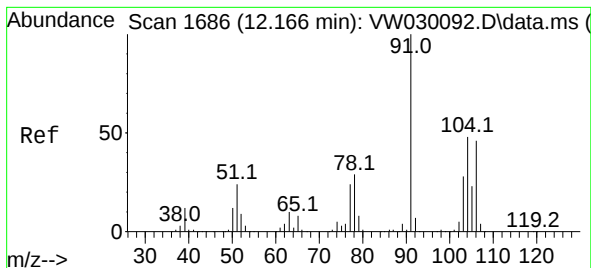
Tgt Ion:106 Resp: 103398

Ion Ratio Lower Upper

106 100

91 211.3 146.7 272.4





#54

o-Xylene

Concen: 13.369 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

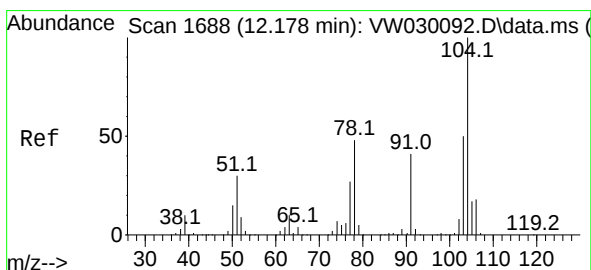
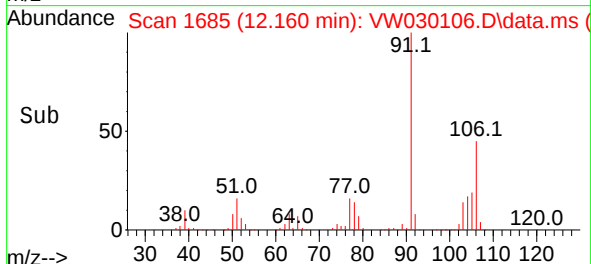
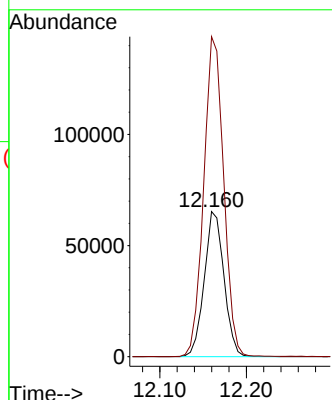
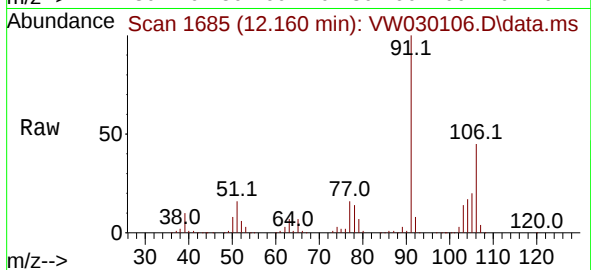
ClientSampleId :

Tgt Ion:106 Resp: 103133

Ion Ratio Lower Upper

106 100

91 220.6 153.9 285.7



#55

Styrene

Concen: 11.730 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW030106.D

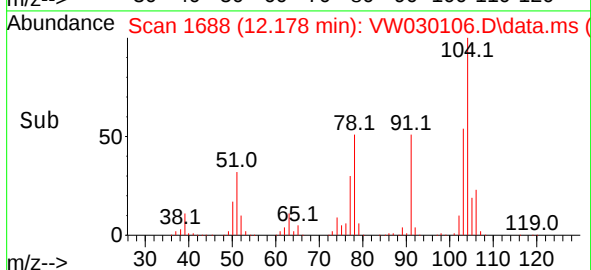
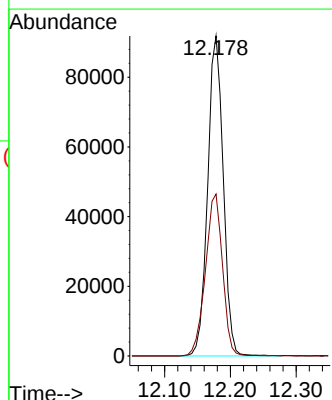
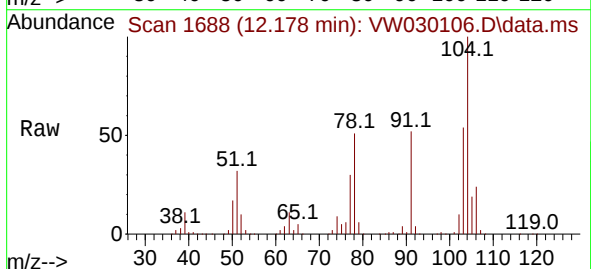
Acq: 29 Aug 2024 17:44

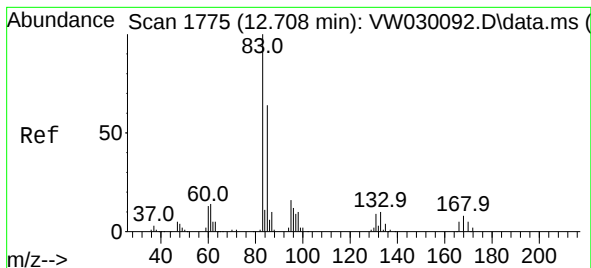
Tgt Ion:104 Resp: 151615

Ion Ratio Lower Upper

104 100

78 50.6 32.8 60.8

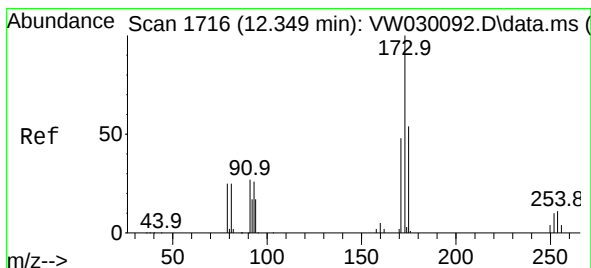
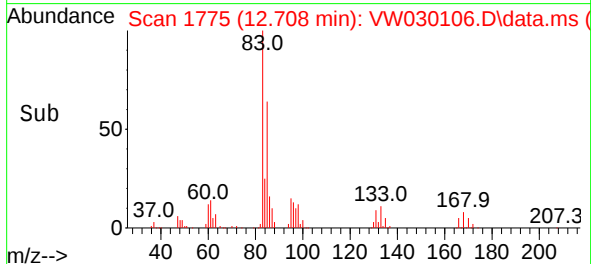
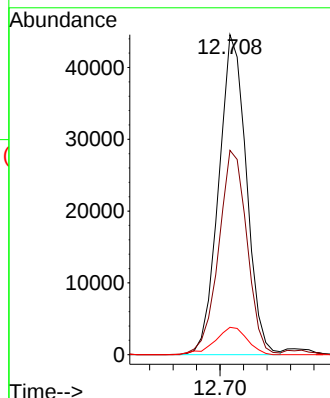
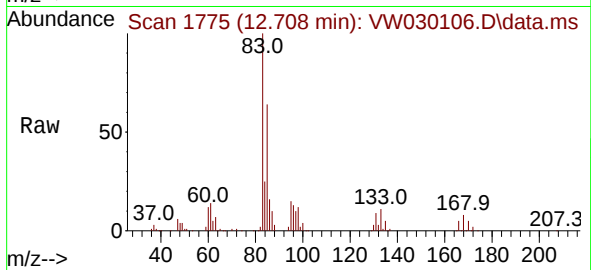




#57  
1,1,2-Tetrachloroethane  
Concen: 19.535 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

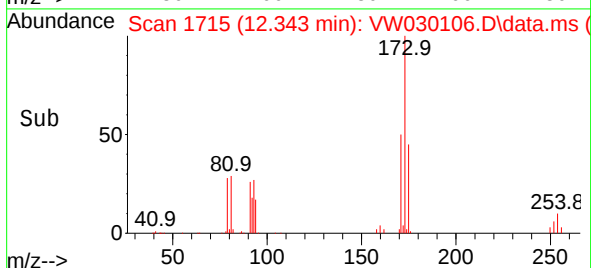
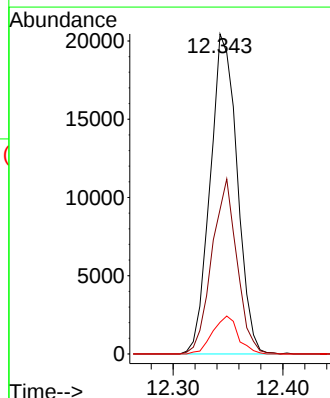
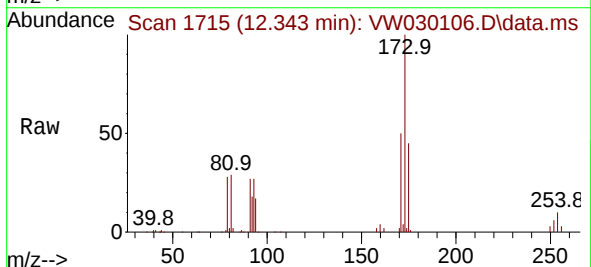
Instrument :  
MSVOA\_W  
ClientSampleId :

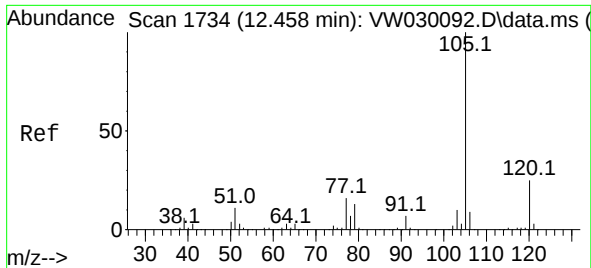
Tgt Ion: 83 Resp: 72874  
Ion Ratio Lower Upper  
83 100  
85 63.9 44.0 81.8  
131 8.5 7.3 10.9



#59  
Bromoform  
Concen: 17.890 ug/L  
RT: 12.343 min Scan# 1715  
Delta R.T. -0.006 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion:173 Resp: 34960  
Ion Ratio Lower Upper  
173 100  
175 50.9 41.4 62.2  
254 11.2 8.6 13.0

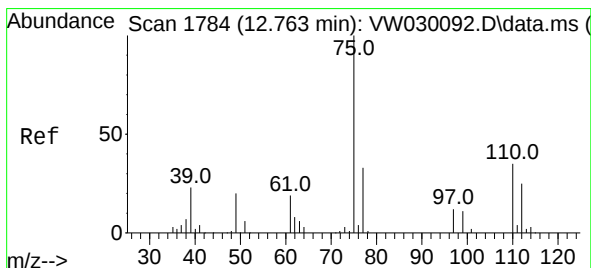
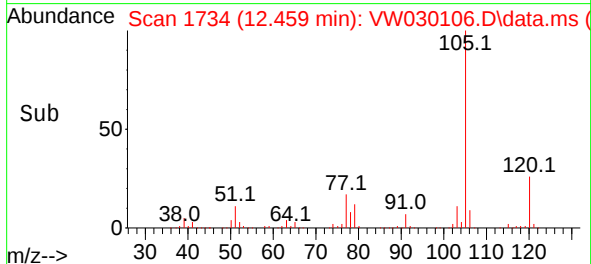
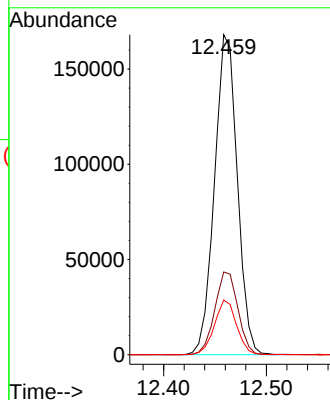
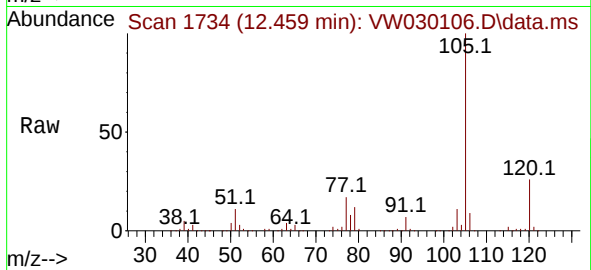




#60  
Isopropylbenzene  
Concen: 12.361 ug/L  
RT: 12.459 min Scan# 1734  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

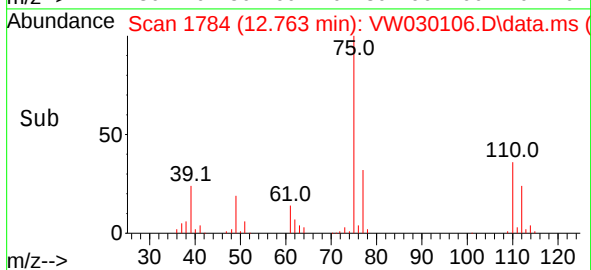
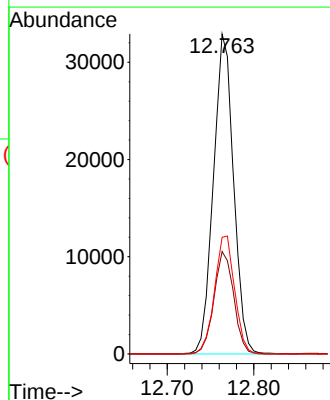
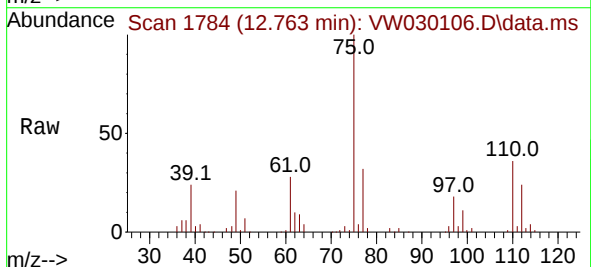
Instrument :  
MSVOA\_W  
ClientSampleId :

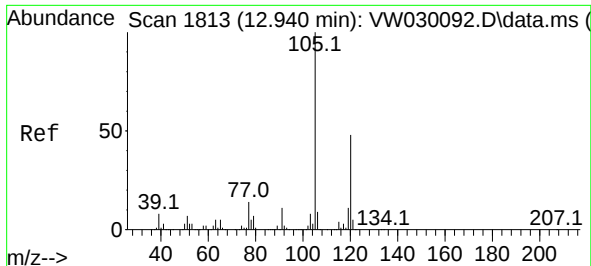
Tgt Ion:105 Resp: 258778  
Ion Ratio Lower Upper  
105 100  
120 26.2 20.6 30.8  
77 16.6 12.6 18.8



#61  
1,2,3-Trichloropropane  
Concen: 19.959 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VW030106.D  
Acq: 29 Aug 2024 17:44

Tgt Ion: 75 Resp: 53253  
Ion Ratio Lower Upper  
75 100  
77 31.4 26.0 39.0  
110 36.8 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 13.566 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

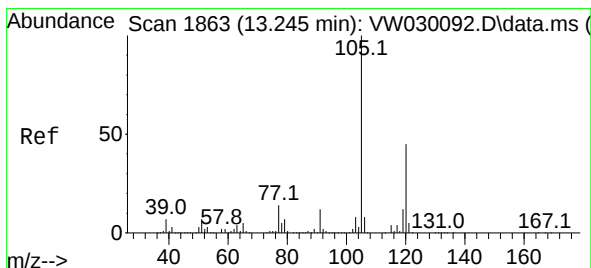
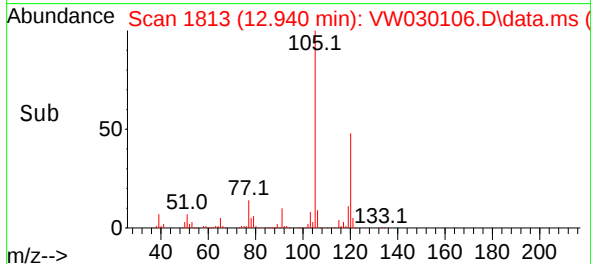
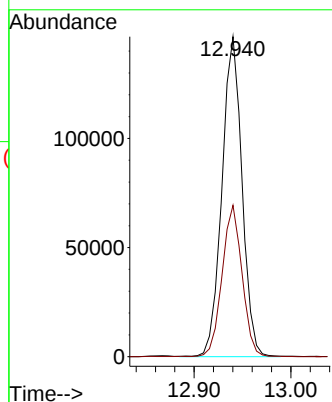
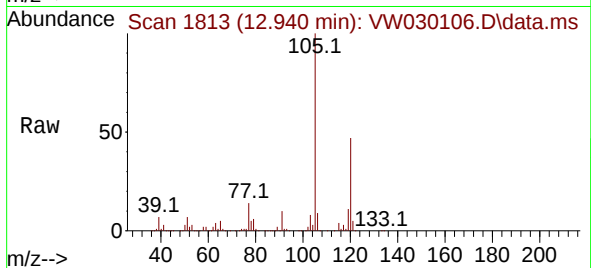
ClientSampleId :

Tgt Ion:105 Resp: 211171

Ion Ratio Lower Upper

105 100

120 46.9 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 12.939 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW030106.D

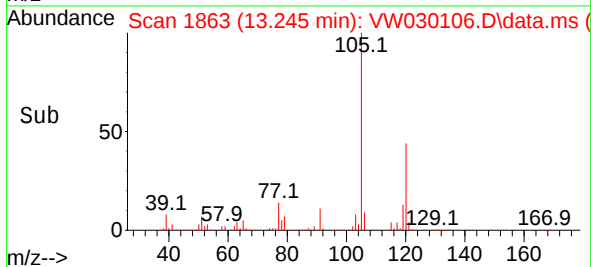
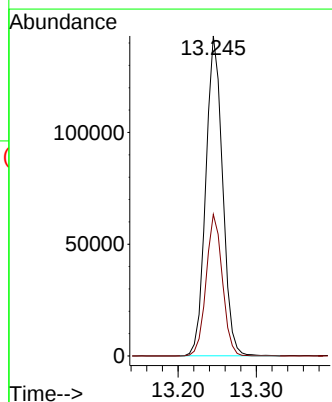
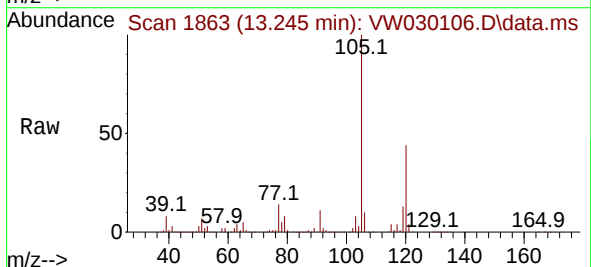
Acq: 29 Aug 2024 17:44

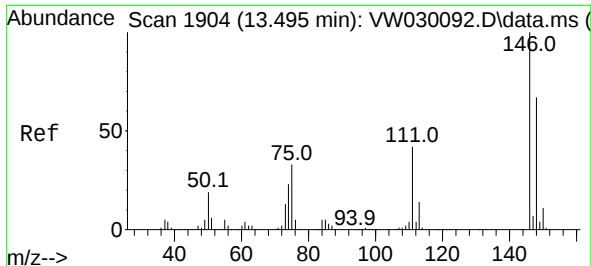
Tgt Ion:105 Resp: 212289

Ion Ratio Lower Upper

105 100

120 42.8 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 13.613 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

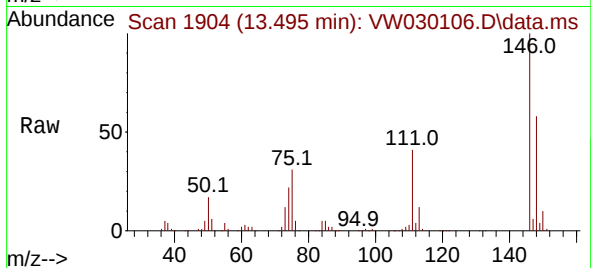
Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :



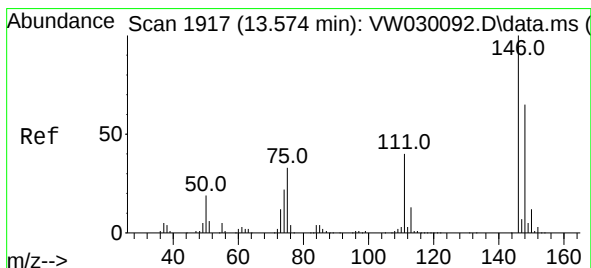
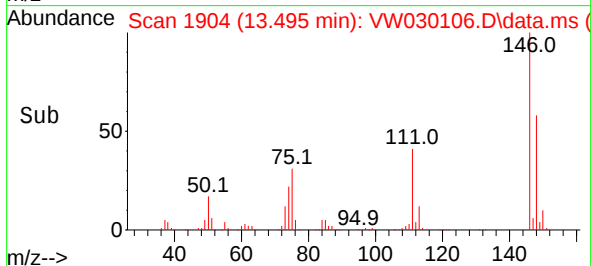
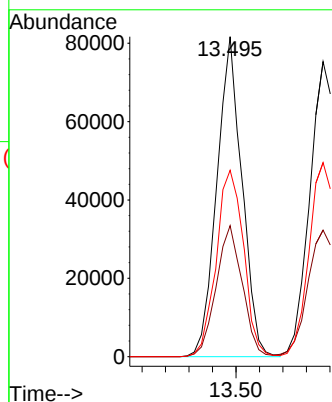
Tgt Ion:146 Resp: 121496

Ion Ratio Lower Upper

146 100

111 41.0 29.1 54.1

148 58.2 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 13.515 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

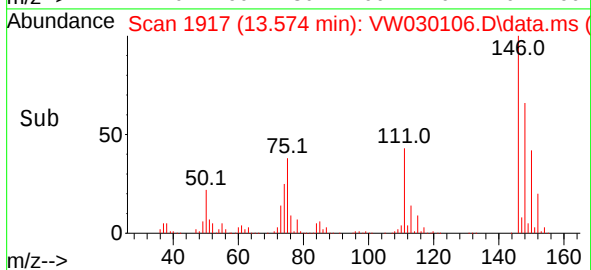
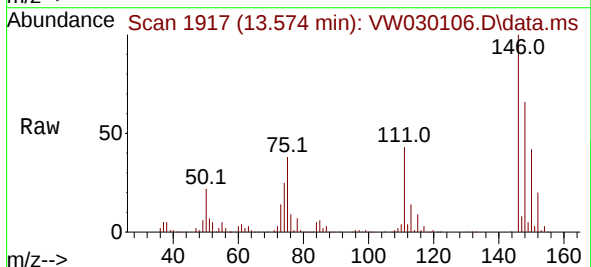
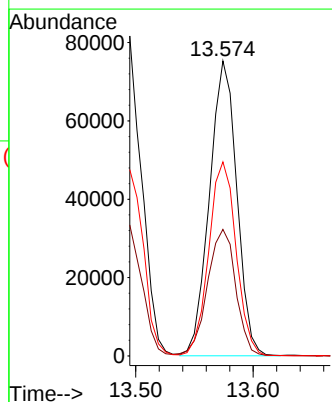
Tgt Ion:146 Resp: 121851

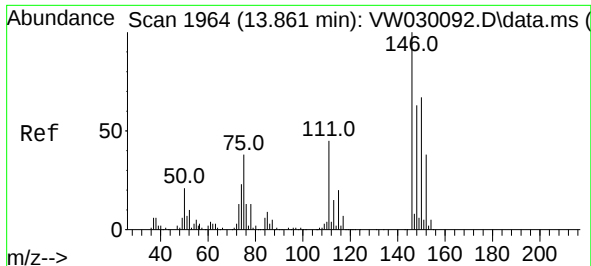
Ion Ratio Lower Upper

146 100

111 42.9 28.2 52.4

148 65.8 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 14.385 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :

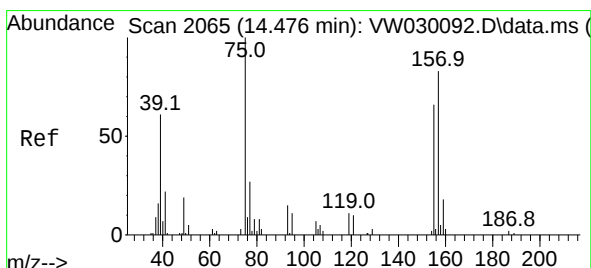
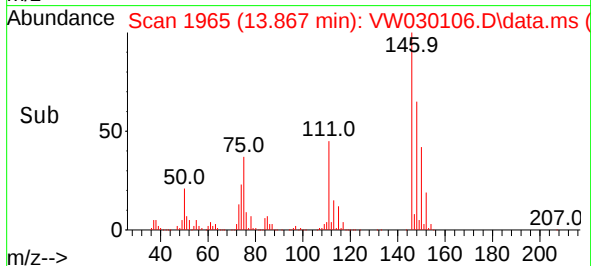
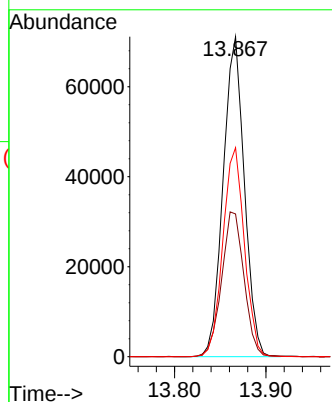
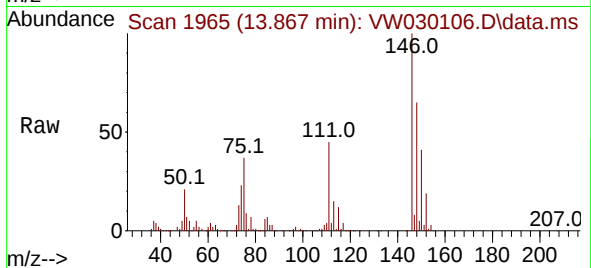
Tgt Ion:146 Resp: 114844

Ion Ratio Lower Upper

146 100

111 44.6 34.7 52.1

148 65.3 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 21.532 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

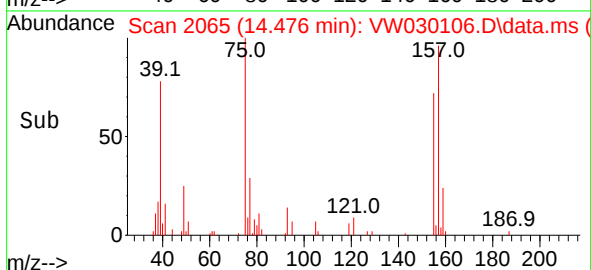
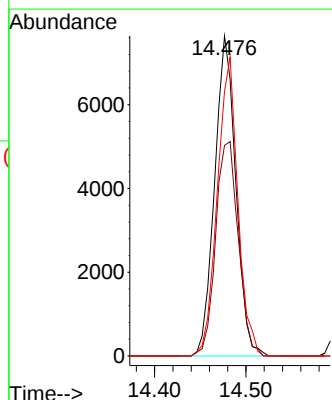
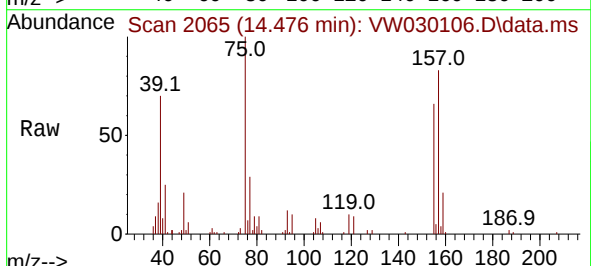
Tgt Ion: 75 Resp: 12298

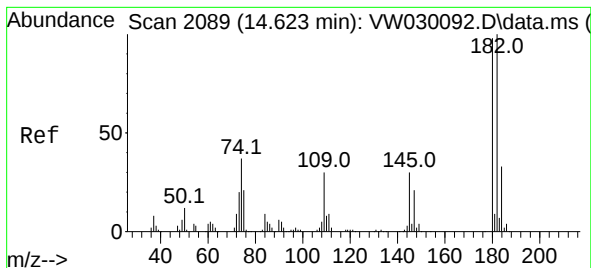
Ion Ratio Lower Upper

75 100

155 65.8 62.8 94.2

157 82.7 84.3 126.5#





#69

1,3,5-Trichlorobenzene

Concen: 12.138 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion:180 Resp: 70725

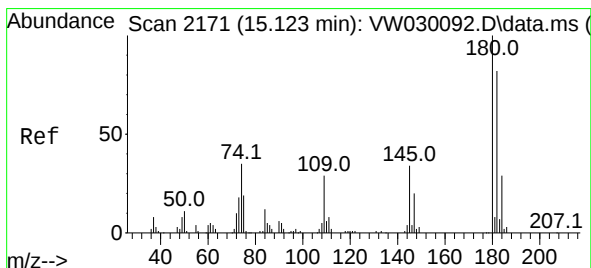
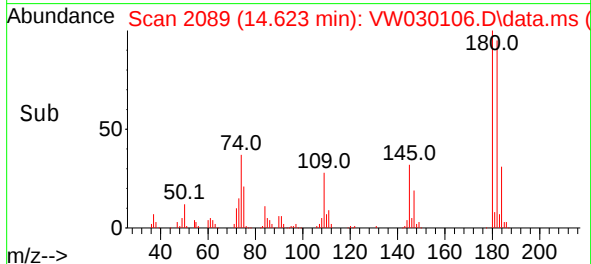
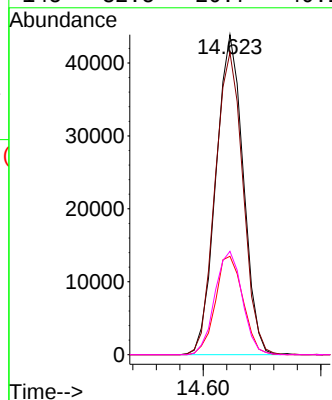
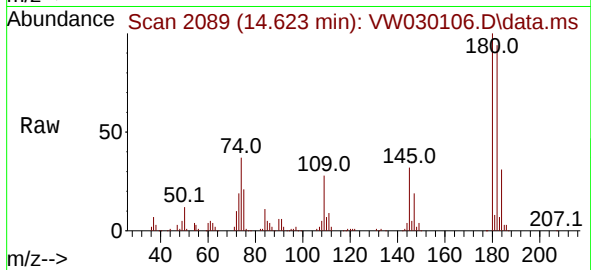
Ion Ratio Lower Upper

180 100

182 96.3 79.7 119.5

184 31.2 25.1 37.7

145 32.5 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 12.269 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

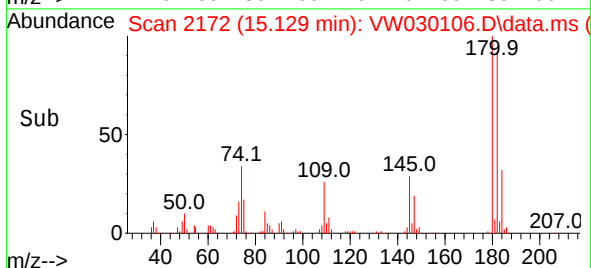
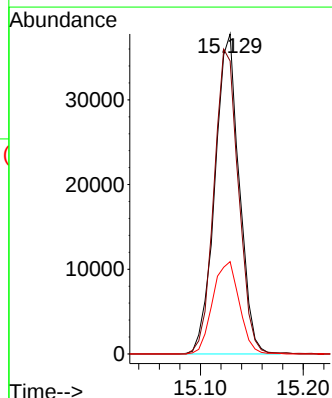
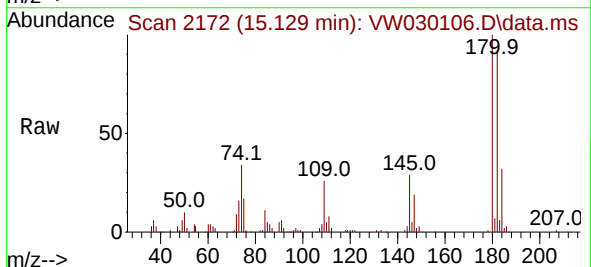
Tgt Ion:180 Resp: 61875

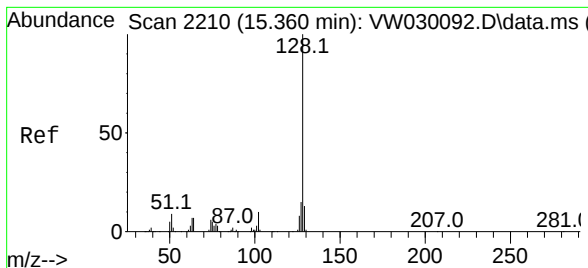
Ion Ratio Lower Upper

180 100

182 95.9 75.3 112.9

145 31.5 24.7 37.1





#71

Naphthalene

Concen: 16.453 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Instrument :

MSVOA\_W

ClientSampleId :

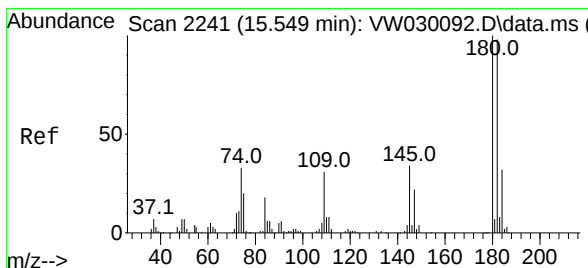
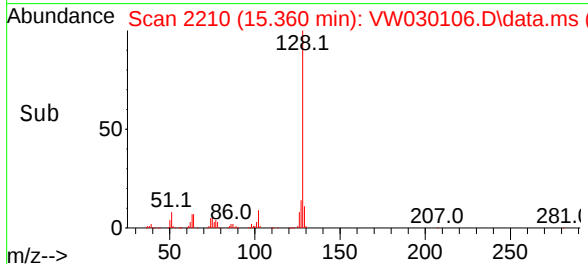
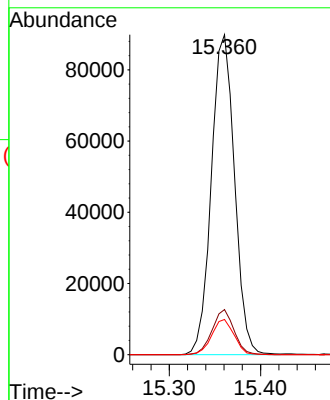
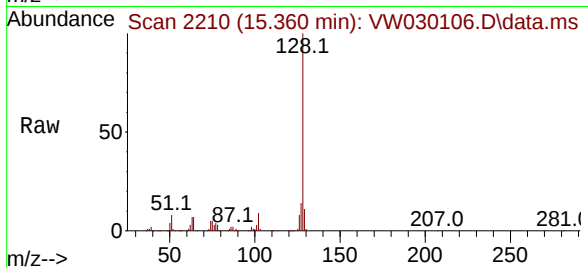
Tgt Ion:128 Resp: 158441

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.7 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 13.515 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW030106.D

Acq: 29 Aug 2024 17:44

Tgt Ion:180 Resp: 59827

Ion Ratio Lower Upper

180 100

182 102.3 77.2 115.8

145 35.7 26.5 39.7

