

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101024\  
 Data File : VW030518.D  
 Acq On : 10 Oct 2024 18:17  
 Operator : SY/MD  
 Sample : P4346-08MS  
 Misc : 2.95g/10mL/MSVOA\_W/SOIL/B  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 11 01:24:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 11 01:19:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 401374   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 358542   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 158490   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 129695   | 20.557   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.240%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 108097   | 22.635   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 90.560%   |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 53920    | 20.548   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 82.200%   |
| 21) 2-Butanone-d5             | 7.081  | 46    | 75907    | 66.856   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 133.720%  |
| 24) Chloroform-d              | 7.648  | 84    | 262499   | 22.869   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 91.480%   |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 166916   | 27.965   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 111.840%  |
| 32) Benzene-d6                | 8.276  | 84    | 474933   | 22.823   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 91.280%   |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 154708   | 25.329   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.320%  |
| 41) Toluene-d8                | 10.325 | 98    | 409593   | 21.561   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 86.240%   |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 69569    | 27.201   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 108.800%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 61456    | 78.120   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 156.240%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 145379   | 32.410   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 129.640%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 132019   | 24.618   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.480%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 41469    | 8.087    | ug/L   | 99        |
| 3) Chloromethane              | 2.222  | 50    | 66424    | 11.145   | ug/L   | 100       |
| 5) Vinyl chloride             | 2.375  | 62    | 79286    | 10.817   | ug/L   | 95        |
| 6) Bromomethane               | 2.789  | 94    | 39560    | 8.200    | ug/L   | 95        |
| 8) Chloroethane               | 2.936  | 64    | 50627    | 11.299   | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 45341    | 6.913    | ug/L   | 95        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.088  | 101   | 20309    | 3.442    | ug/L   | 95        |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 41727    | 7.749    | ug/L # | 71        |
| 13) Acetone                   | 4.131  | 43    | 33983    | 20.444   | ug/L   | 100       |
| 14) Carbon disulfide          | 4.393  | 76    | 58129    | 3.306    | ug/L   | 97        |
| 15) Methyl Acetate            | 4.679  | 43    | 22670    | 11.041   | ug/L   | 98        |
| 16) Methylene chloride        | 4.923  | 84    | 70791    | 11.666   | ug/L   | 98        |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 42215    | 7.265    | ug/L   | 96        |
| 18) Methyl tert-butyl Ether   | 5.435  | 73    | 103697   | 12.751   | ug/L   | 100       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 100252   | 9.283    | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 51535    | 8.315    | ug/L   | 94        |
| 22) 2-Butanone                | 7.173  | 43    | 36350    | 20.287   | ug/L   | 98        |
| 23) Bromochloromethane        | 7.520  | 128   | 27970    | 10.316   | ug/L   | 87        |
| 25) Chloroform                | 7.679  | 83    | 99895    | 8.656    | ug/L   | 99        |

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 Operator : SY/MD  
 Sample : P4346-08MS  
 Misc : 2.95g/10mL/MSVOA\_W/SOIL/B  
 ALS Vial : 24 Sample Multiplier: 1

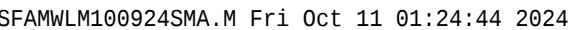
Instrument :  
 MSVOA\_W  
 ClientSampleId :

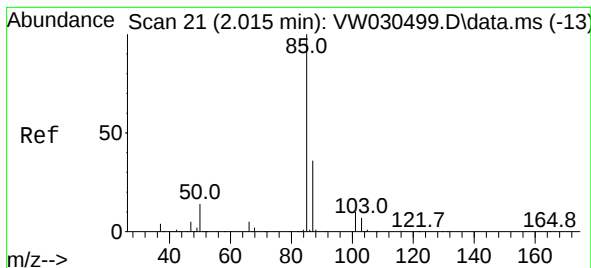
Quant Time: Oct 11 01:24:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 11 01:19:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 73922    | 9.709  | ug/L   | 98       |
| 29) Cyclohexane               | 7.953  | 56   | 13299    | 1.524  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 61031    | 6.412  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 30481    | 3.586  | ug/L   | 97       |
| 33) Benzene                   | 8.325  | 78   | 182641   | 7.828  | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 29991    | 4.620  | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.331  | 83   | 6586     | 0.645  | ug/L # | 93       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 48569    | 8.335  | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.648  | 83   | 43283    | 5.583  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 53258    | 6.059  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 67600    | 24.147 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 118291   | 4.752  | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 45259    | 6.127  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 35639    | 8.462  | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.867 | 164  | 9571     | 1.999  | ug/L   | 88       |
| 48) 2-Hexanone                | 10.965 | 43   | 42633    | 18.622 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 23341    | 4.967  | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 29033    | 7.388  | ug/L # | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 55532    | 3.466  | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 69555    | 2.449  | ug/L   | 98       |
| 53) m,p-Xylene                | 11.836 | 106  | 23103    | 2.171  | ug/L   | 88       |
| 54) o-Xylene                  | 12.166 | 106  | 25717    | 2.614  | ug/L   | 93       |
| 55) Styrene                   | 12.178 | 104  | 43695    | 2.598  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 29998    | 6.316  | ug/L   | 93       |
| 59) Bromoform                 | 12.349 | 173  | 11098    | 4.984  | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 35445    | 1.444  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 25245    | 8.186  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.934 | 105  | 21582    | 1.115  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 23560    | 1.243  | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 13777    | 1.290  | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 16795    | 1.522  | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 15303    | 1.628  | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 3628     | 5.276  | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 3334     | 0.473  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 2851     | 0.503  | ug/L # | 86       |
| 71) Naphthalene               | 15.360 | 128  | 15941    | 1.627  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 2906     | 0.591  | ug/L # | 91       |

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

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Response via : Initial Calibration

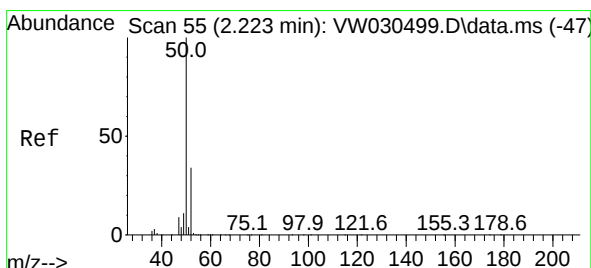
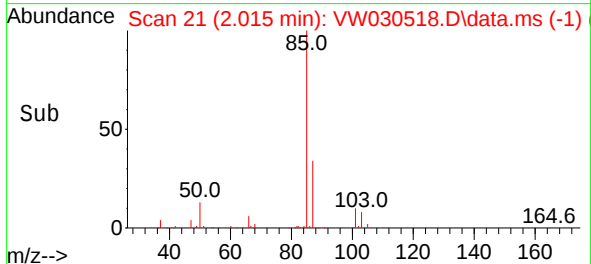
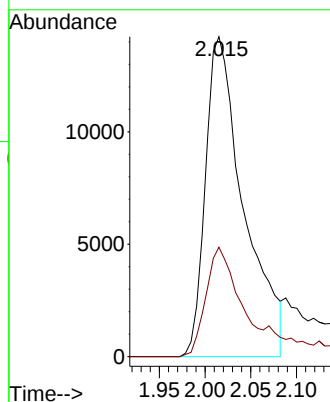
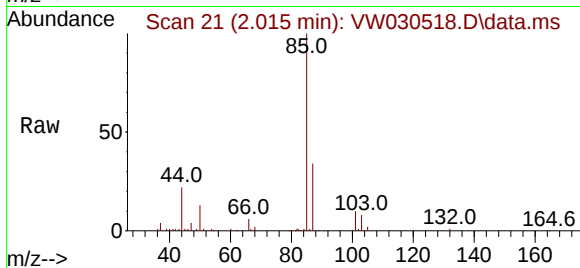




#2  
 Dichlorodifluoromethane  
 Concen: 8.087 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW030518.D  
 Acq: 10 Oct 2024 18:17

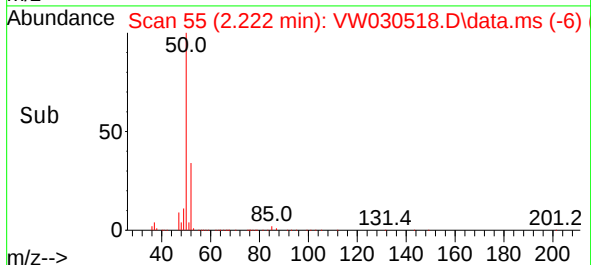
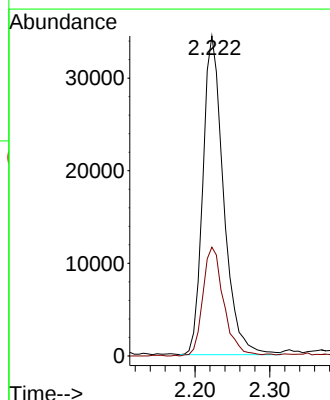
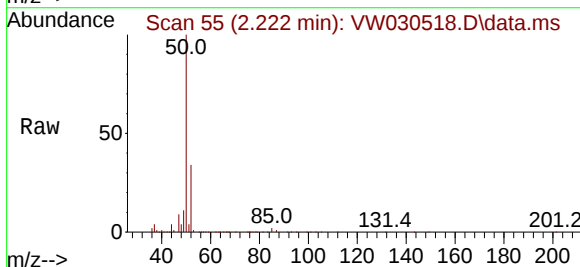
Instrument :  
 MSVOA\_W  
 ClientSampleId :

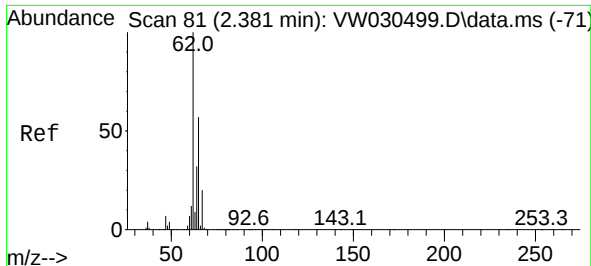
Tgt Ion: 85 Resp: 41469  
 Ion Ratio Lower Upper  
 85 100  
 87 30.4 23.8 35.6



#3  
 Chloromethane  
 Concen: 11.145 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VW030518.D  
 Acq: 10 Oct 2024 18:17

Tgt Ion: 50 Resp: 66424  
 Ion Ratio Lower Upper  
 50 100  
 52 34.0 23.7 43.9

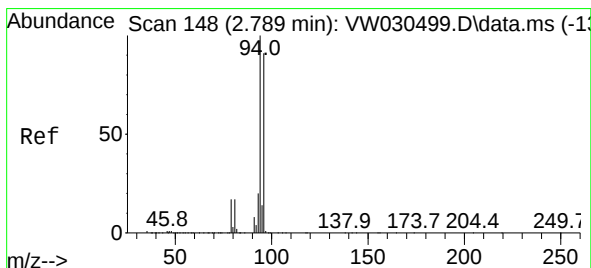
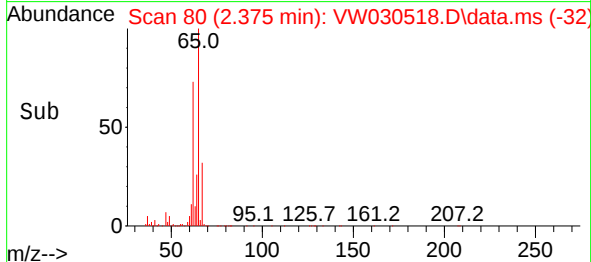
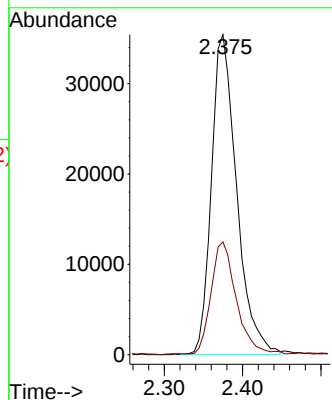
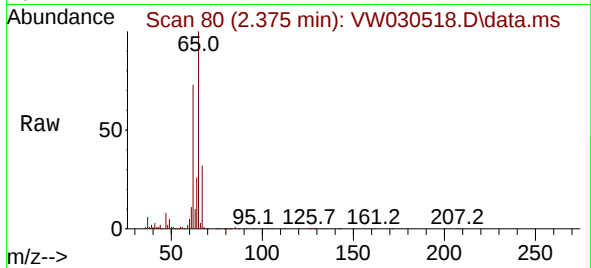




#5  
 Vinyl chloride  
 Concen: 10.817 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: VW030518.D  
 Acq: 10 Oct 2024 18:17

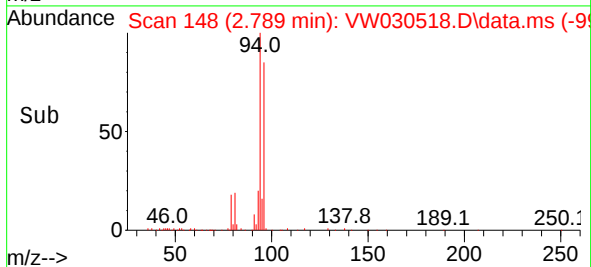
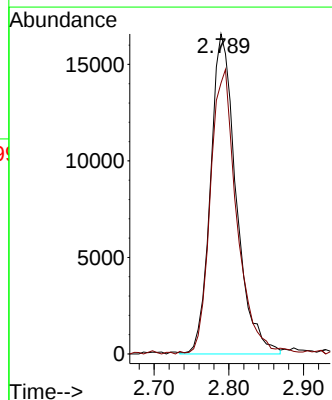
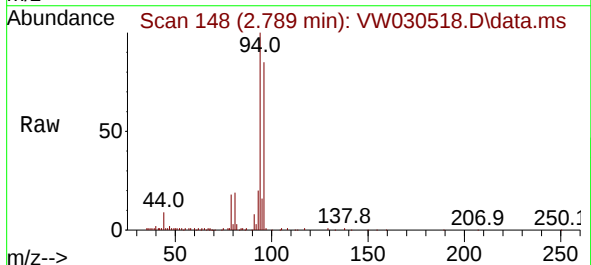
Instrument :  
 MSVOA\_W  
 ClientSampleId :

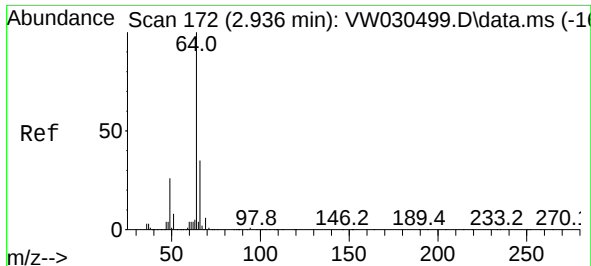
Tgt Ion: 62 Resp: 79286  
 Ion Ratio Lower Upper  
 62 100  
 64 35.2 22.6 42.0



#6  
 Bromomethane  
 Concen: 8.200 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW030518.D  
 Acq: 10 Oct 2024 18:17

Tgt Ion: 94 Resp: 39560  
 Ion Ratio Lower Upper  
 94 100  
 96 84.7 62.6 116.2

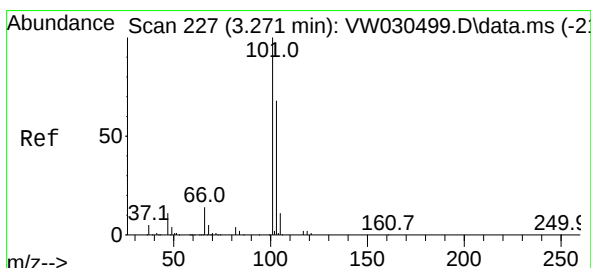
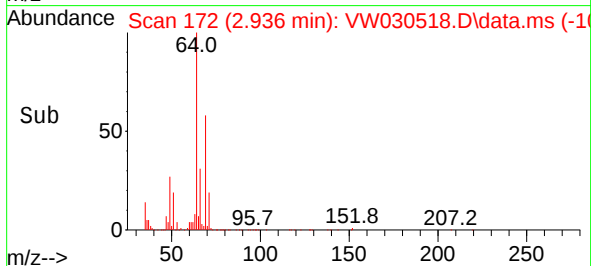
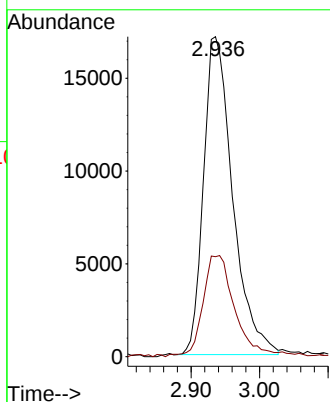
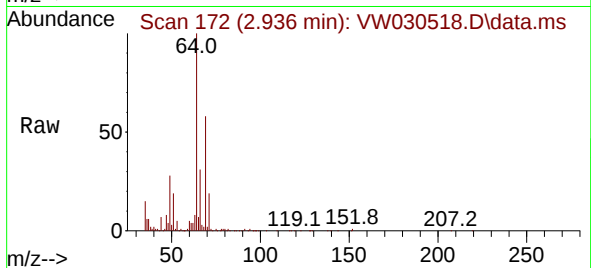




#8  
Chloroethane  
Concen: 11.299 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

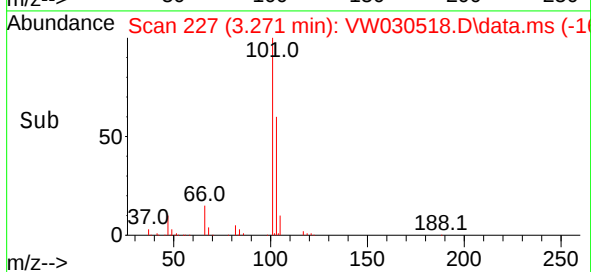
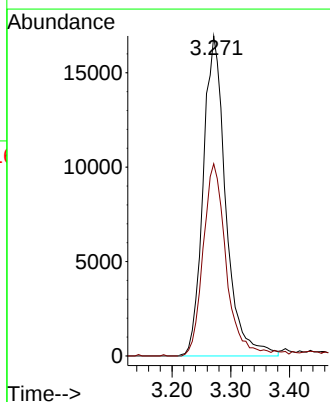
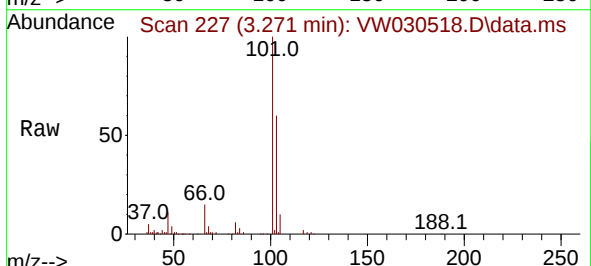
Instrument :  
MSVOA\_W  
ClientSampleId :

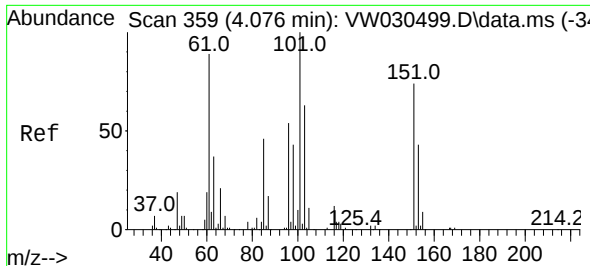
Tgt Ion: 64 Resp: 50627  
Ion Ratio Lower Upper  
64 100  
66 31.3 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 6.913 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion: 101 Resp: 45341  
Ion Ratio Lower Upper  
101 100  
103 60.3 51.1 76.7





#10

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

Concen: 3.442 ug/L

RT: 4.088 min Scan# 3

Delta R.T. 0.012 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

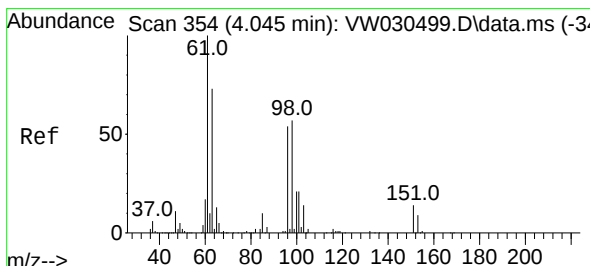
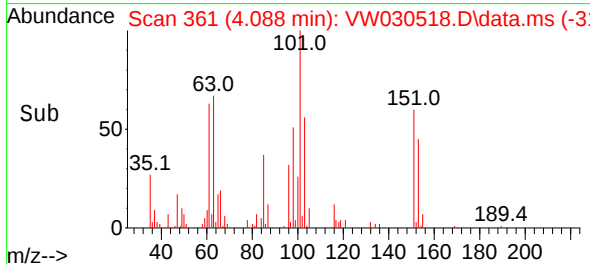
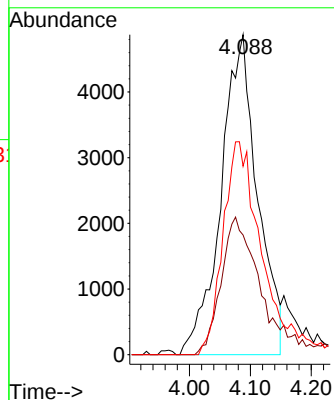
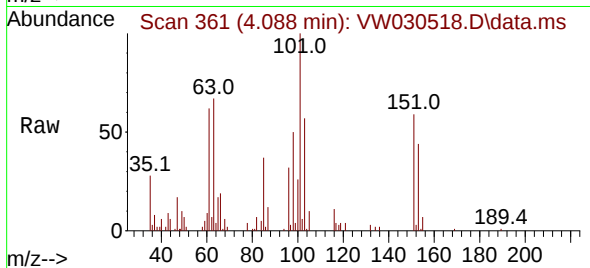
Tgt Ion:101 Resp: 20309

Ion Ratio Lower Upper

101 100

85 40.1 35.7 53.5

151 66.5 56.1 84.1



#12

1,1-Dichloroethene

Concen: 7.749 ug/L

RT: 4.051 min Scan# 355

Delta R.T. 0.006 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

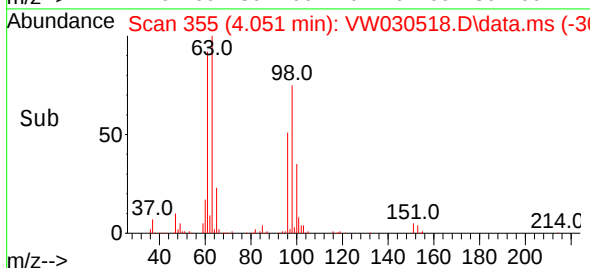
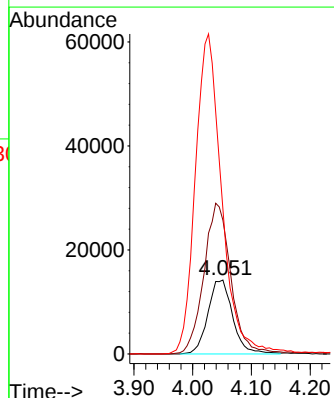
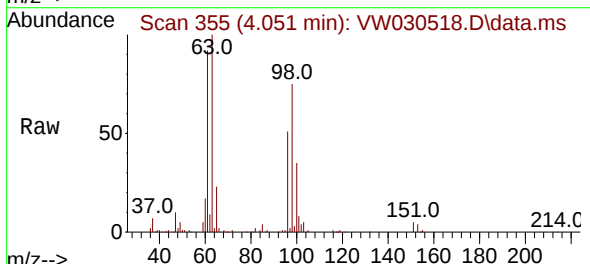
Tgt Ion: 96 Resp: 41727

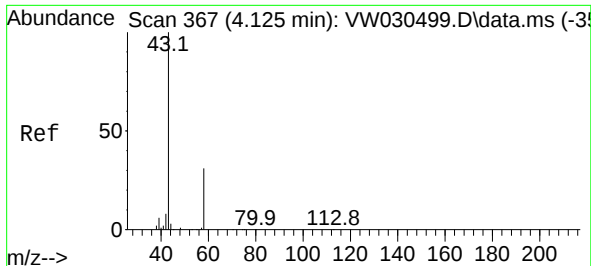
Ion Ratio Lower Upper

96 100

61 180.7 121.3 225.3

63 195.7 87.6 162.8#

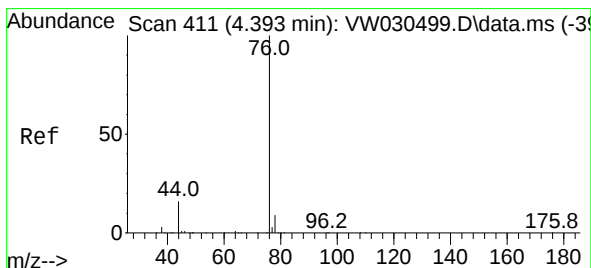
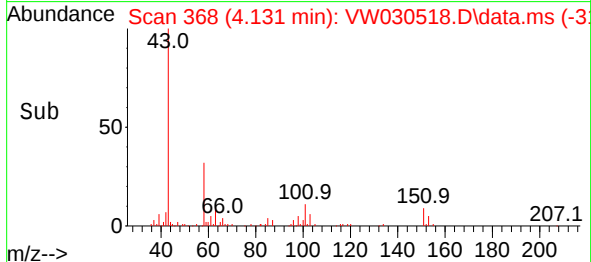
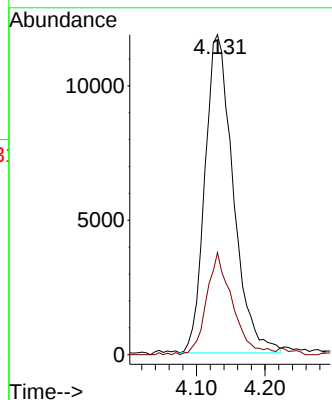
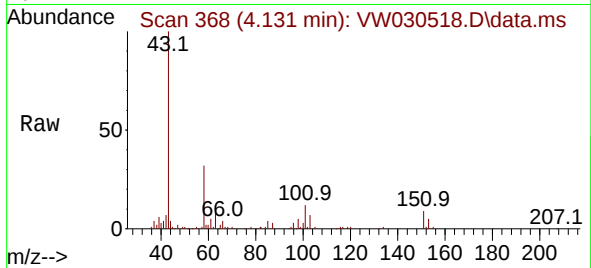




#13  
Acetone  
Concen: 20.444 ug/L  
RT: 4.131 min Scan# 368  
Delta R.T. 0.006 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

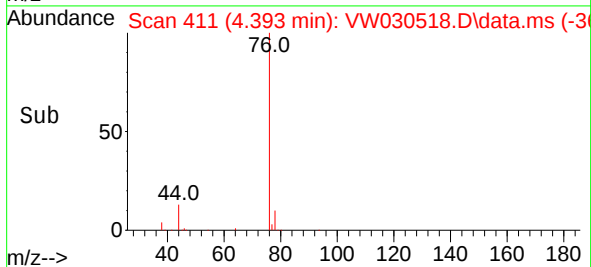
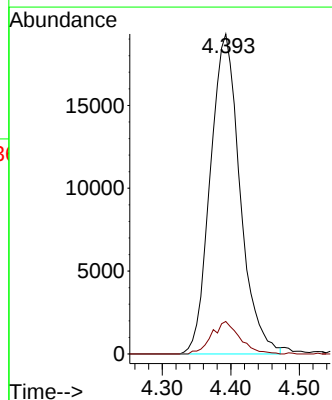
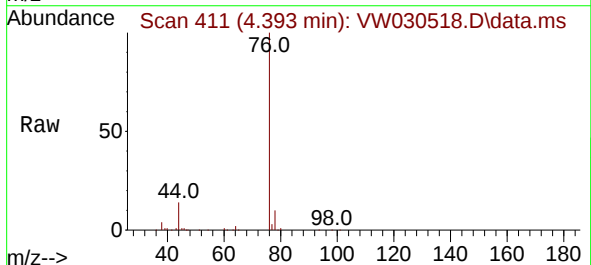
Instrument :  
MSVOA\_W  
ClientSampleId :

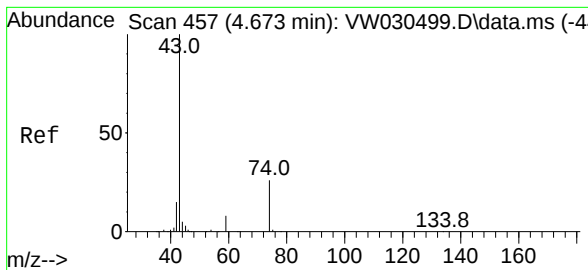
Tgt Ion: 43 Resp: 33983  
Ion Ratio Lower Upper  
43 100  
58 28.8 0.0 57.6



#14  
Carbon disulfide  
Concen: 3.306 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion: 76 Resp: 58129  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.1 10.7

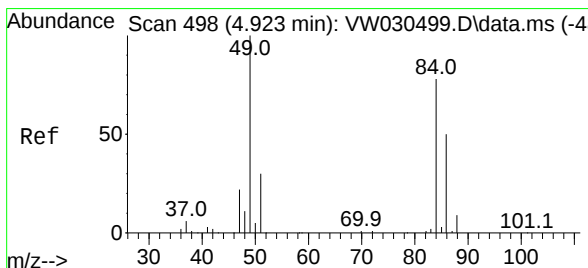
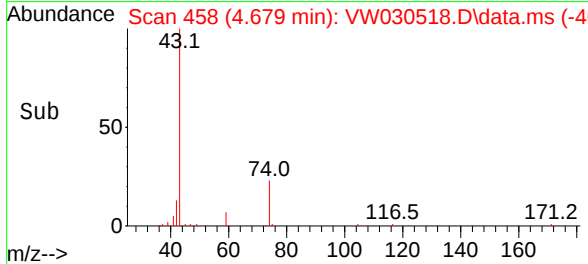
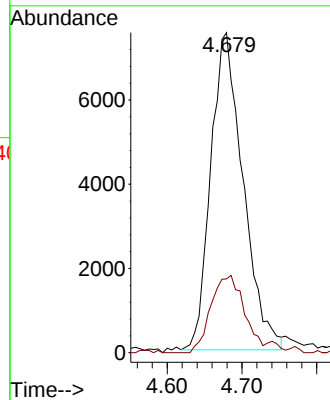
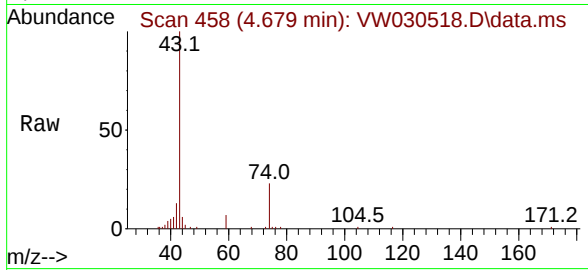




#15  
Methyl Acetate  
Concen: 11.041 ug/L  
RT: 4.679 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

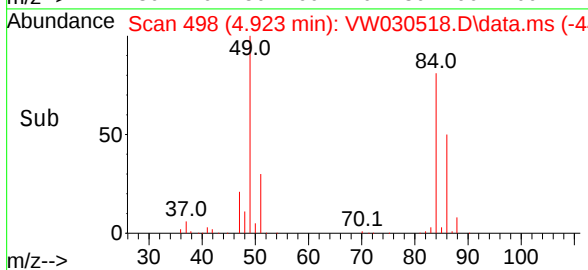
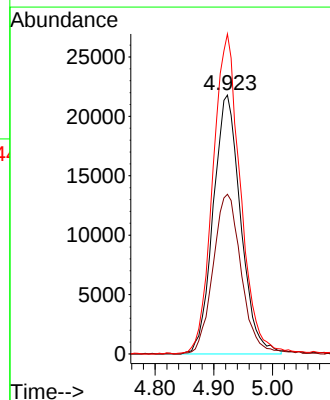
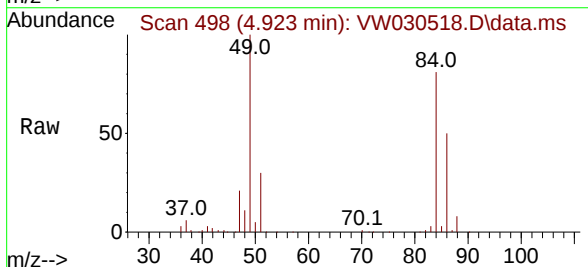
Instrument :  
MSVOA\_W  
ClientSampleId :

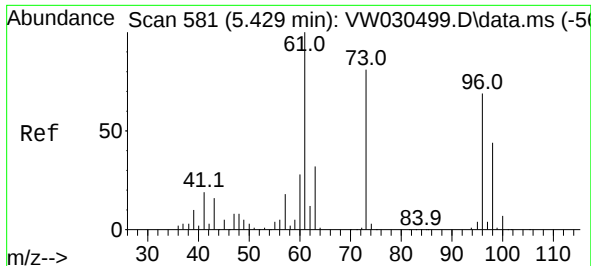
Tgt Ion: 43 Resp: 22670  
Ion Ratio Lower Upper  
43 100  
74 25.0 19.3 28.9



#16  
Methylene chloride  
Concen: 11.666 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion: 84 Resp: 70791  
Ion Ratio Lower Upper  
84 100  
86 61.7 43.8 81.3  
49 123.6 88.3 164.1





#17

trans-1,2-Dichloroethene

Concen: 7.265 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.006 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

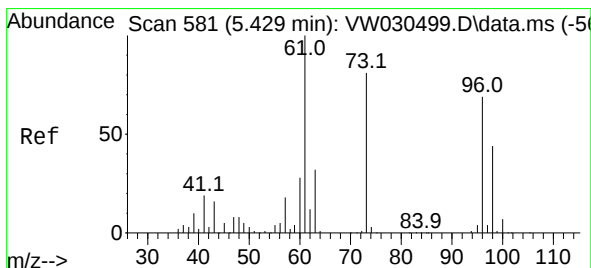
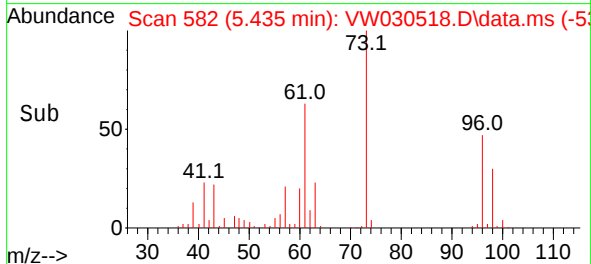
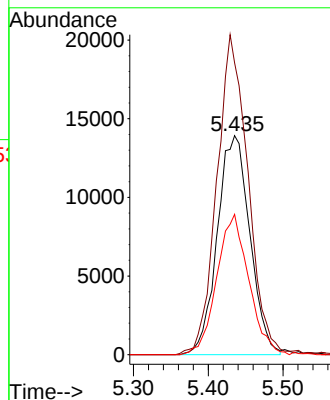
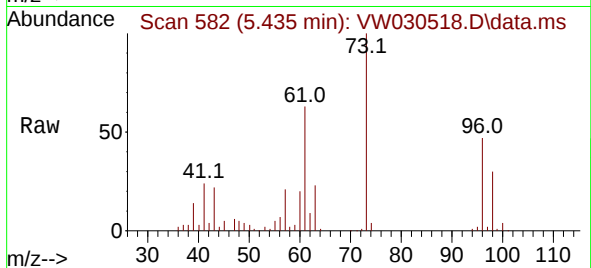
Tgt Ion: 96 Resp: 42215

Ion Ratio Lower Upper

96 100

61 133.3 96.9 179.9

98 64.1 42.2 78.4



#18

Methyl tert-butyl Ether

Concen: 12.751 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.006 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

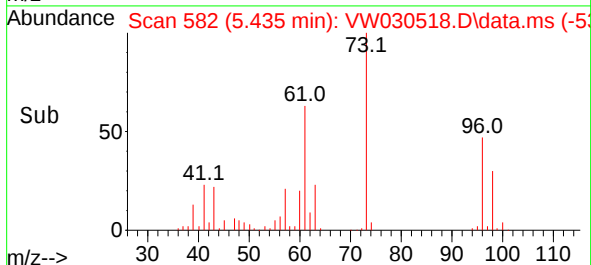
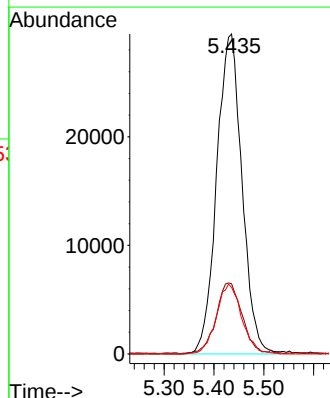
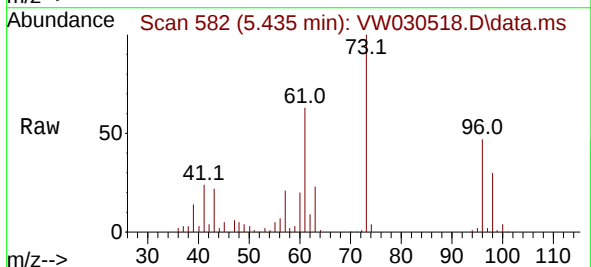
Tgt Ion: 73 Resp: 103697

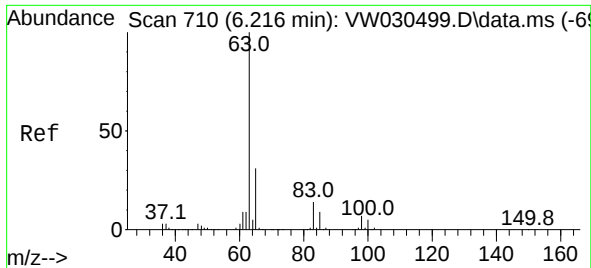
Ion Ratio Lower Upper

73 100

43 22.9 18.1 27.1

57 22.0 17.7 26.5

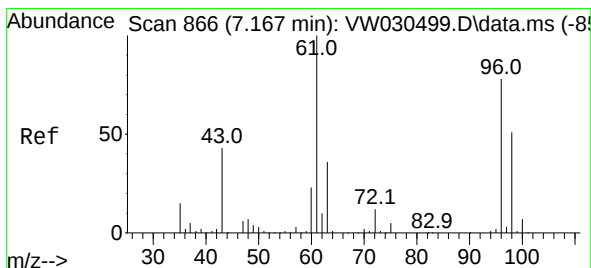
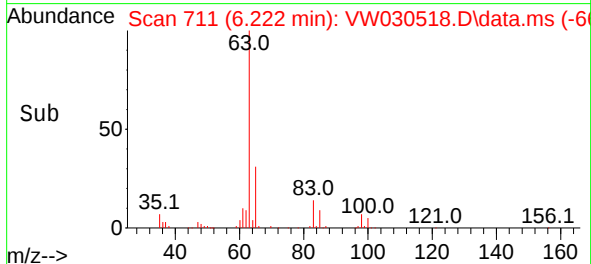
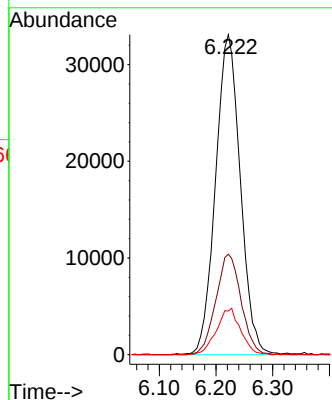
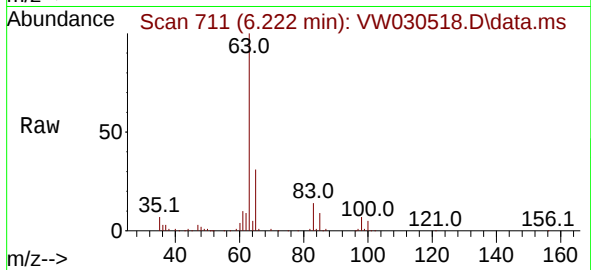




#19  
1,1-Dichloroethane  
Concen: 9.283 ug/L  
RT: 6.222 min Scan# 711  
Delta R.T. 0.006 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

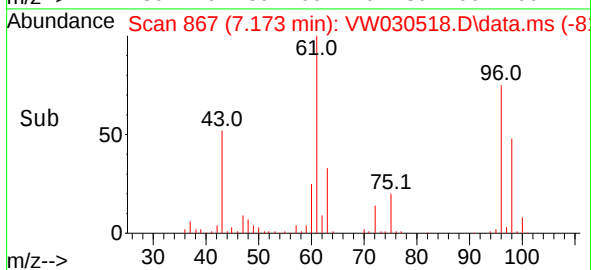
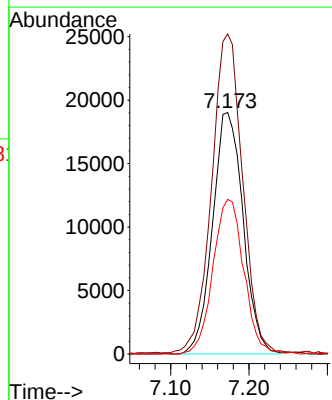
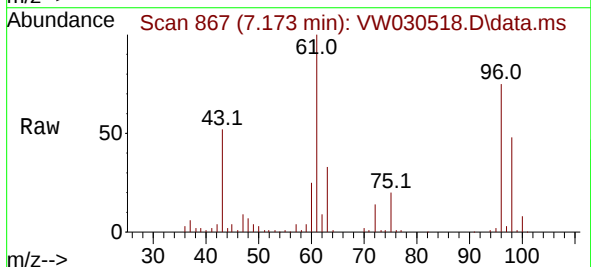
Instrument :  
MSVOA\_W  
ClientSampleId :

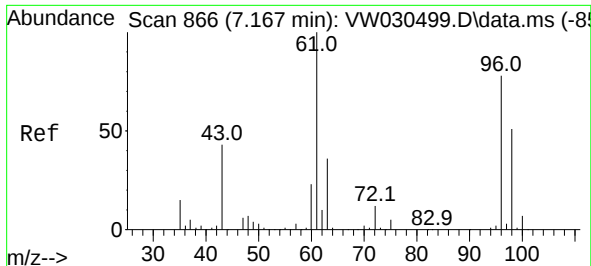
Tgt Ion: 63 Resp: 100252  
Ion Ratio Lower Upper  
63 100  
65 31.4 22.5 41.9  
83 13.7 9.8 18.2



#20  
cis-1,2-Dichloroethene  
Concen: 8.315 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion: 96 Resp: 51535  
Ion Ratio Lower Upper  
96 100  
61 132.5 88.3 163.9  
98 64.0 41.3 76.7

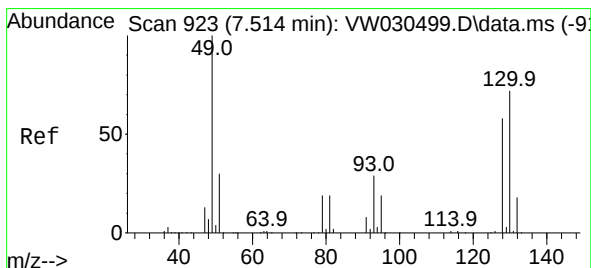
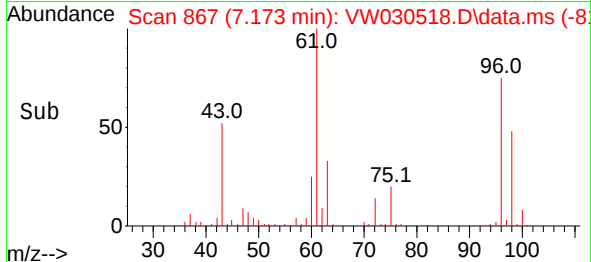
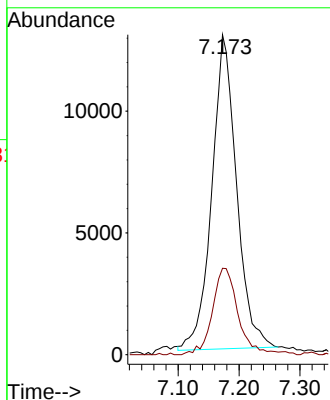
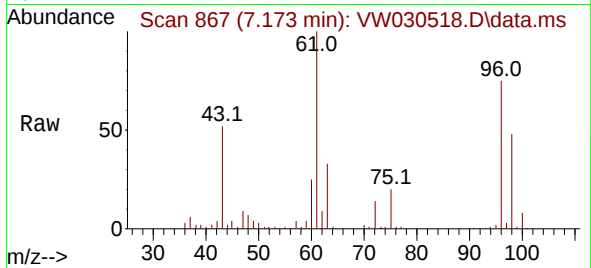




#22  
2-Butanone  
Concen: 20.287 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

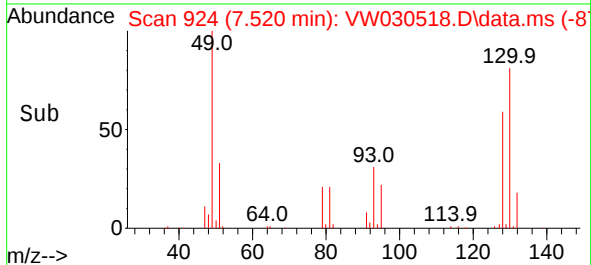
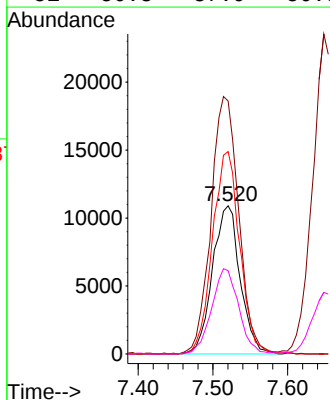
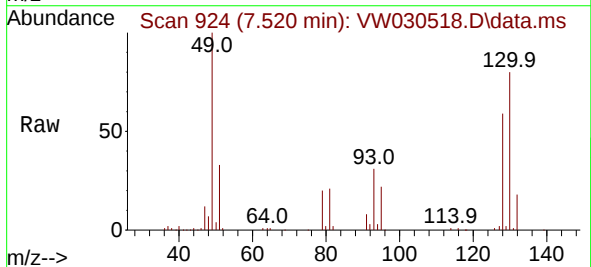
Instrument :  
MSVOA\_W  
ClientSampleId :

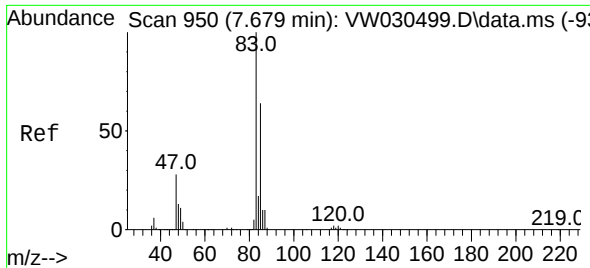
Tgt Ion: 43 Resp: 36350  
Ion Ratio Lower Upper  
43 100  
72 27.7 14.4 43.0



#23  
Bromochloromethane  
Concen: 10.316 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.006 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion: 128 Resp: 27970  
Ion Ratio Lower Upper  
128 100  
49 170.8 110.1 204.5  
130 136.6 82.9 153.9  
51 56.3 37.9 56.9

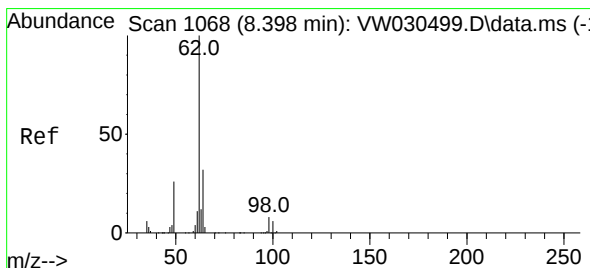
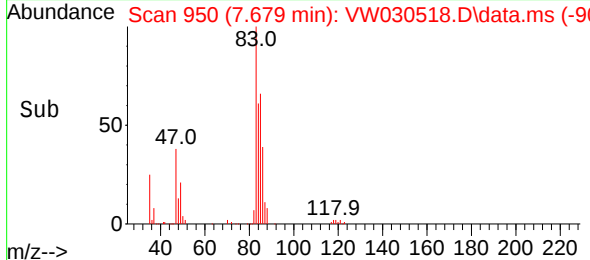
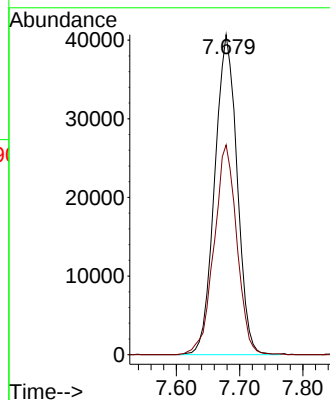
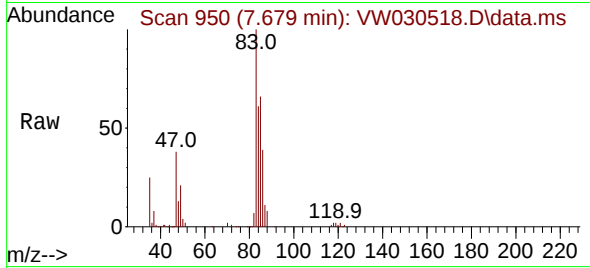




#25  
Chloroform  
Concen: 8.656 ug/L  
RT: 7.679 min Scan# 950  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

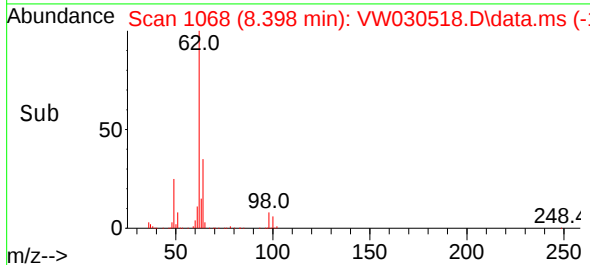
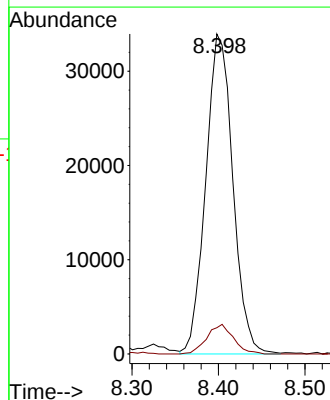
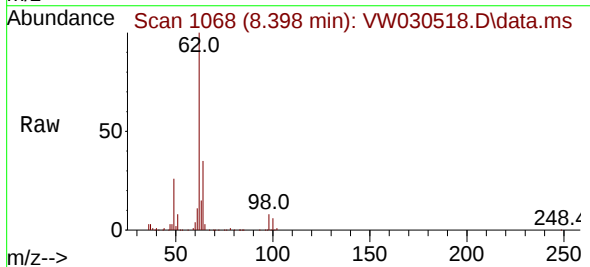
Instrument :  
MSVOA\_W  
ClientSampleId :

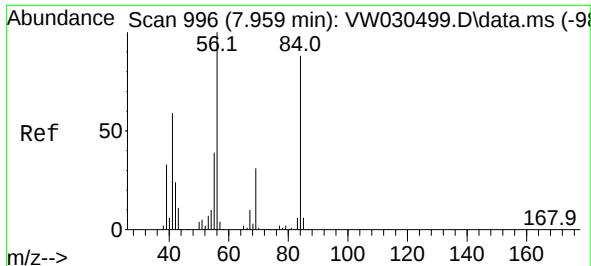
Tgt Ion: 83 Resp: 99895  
Ion Ratio Lower Upper  
83 100  
85 65.5 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 9.709 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion: 62 Resp: 73922  
Ion Ratio Lower Upper  
62 100  
98 8.2 7.0 10.6





#29

Cyclohexane

Concen: 1.524 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

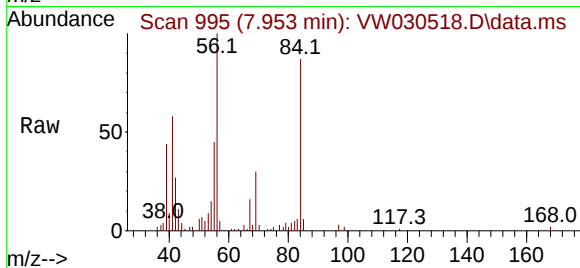
Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :



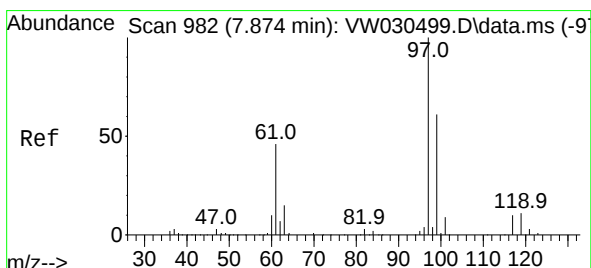
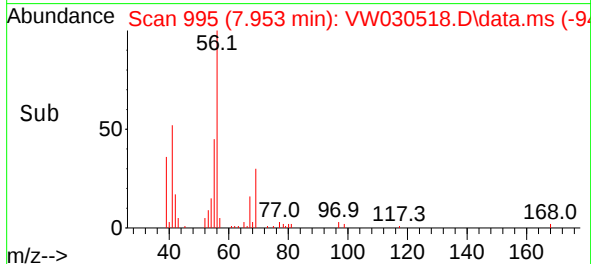
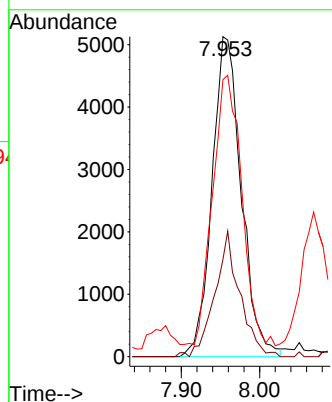
Tgt Ion: 56 Resp: 13299

Ion Ratio Lower Upper

56 100

69 32.9 25.4 38.0

84 87.7 72.3 108.5



#30

1,1,1-Trichloroethane

Concen: 6.412 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

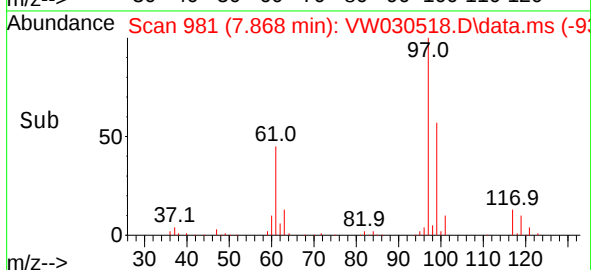
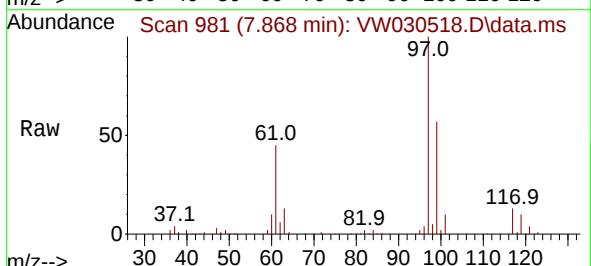
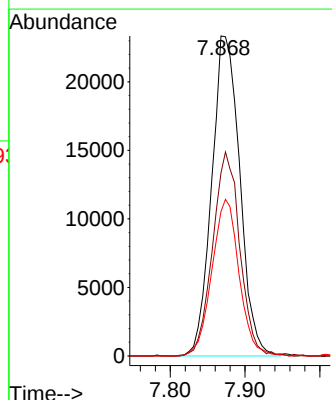
Tgt Ion: 97 Resp: 61031

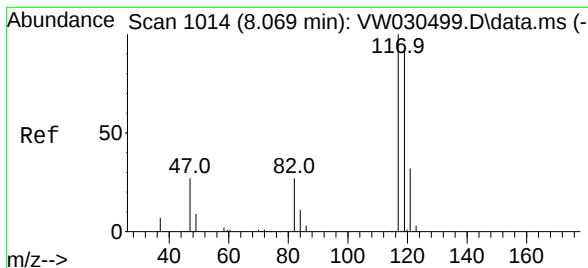
Ion Ratio Lower Upper

97 100

99 61.2 52.3 78.5

61 47.5 38.5 57.7

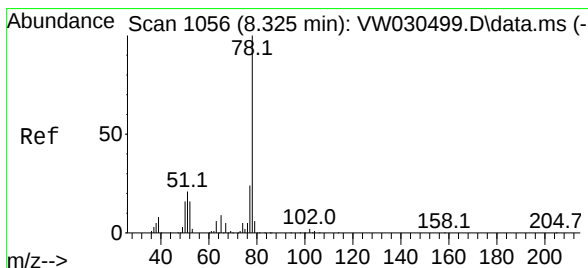
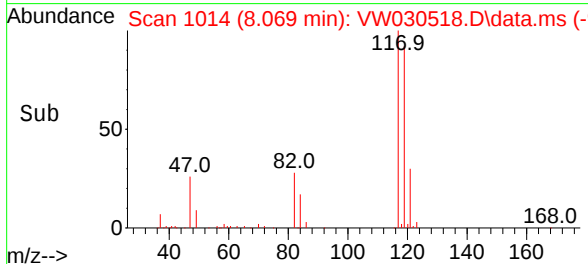
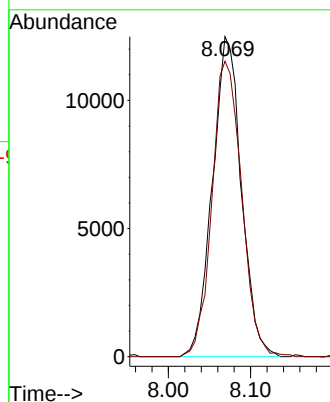
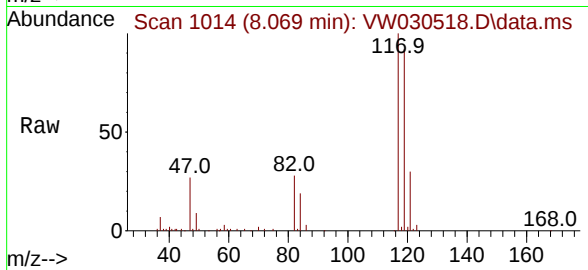




#31  
Carbon tetrachloride  
Concen: 3.586 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

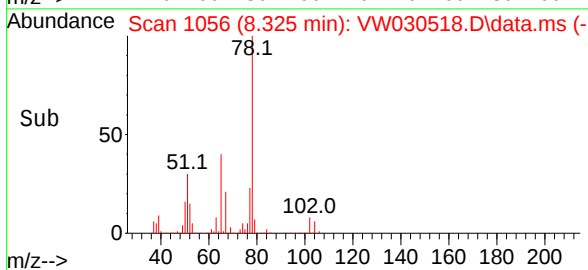
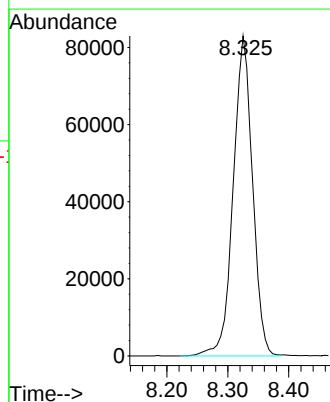
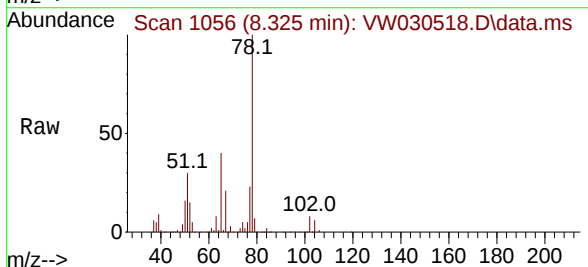
Instrument :  
MSVOA\_W  
ClientSampleId :

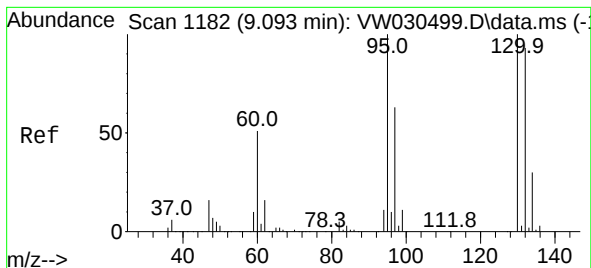
Tgt Ion:117 Resp: 30481  
Ion Ratio Lower Upper  
117 100  
119 94.3 77.8 116.8



#33  
Benzene  
Concen: 7.828 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion: 78 Resp: 182641





#34

Trichloroethene

Concen: 4.620 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 29991

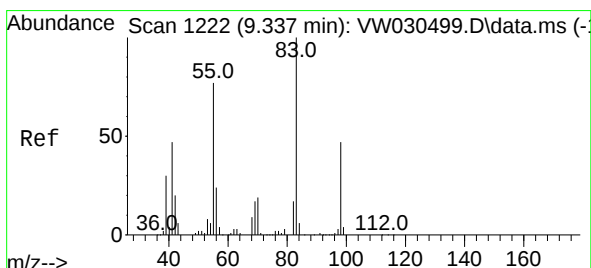
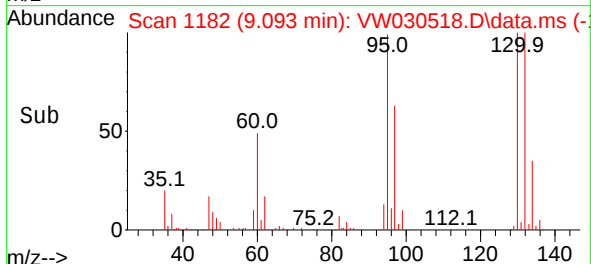
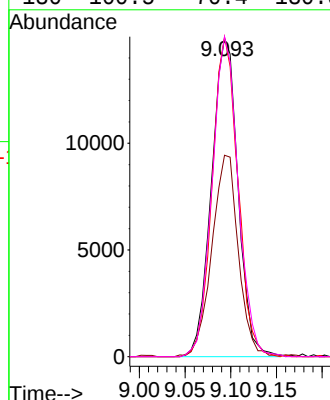
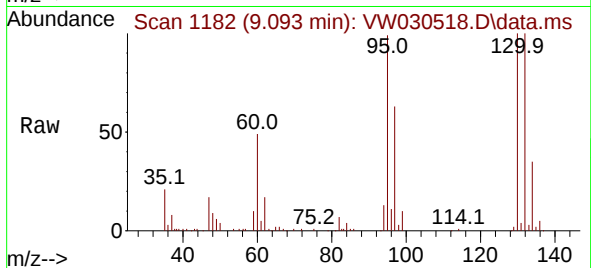
Ion Ratio Lower Upper

95 100

97 63.3 45.9 85.3

132 100.5 66.4 123.2

130 100.5 70.4 130.8



#35

Methylcyclohexane

Concen: 0.645 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

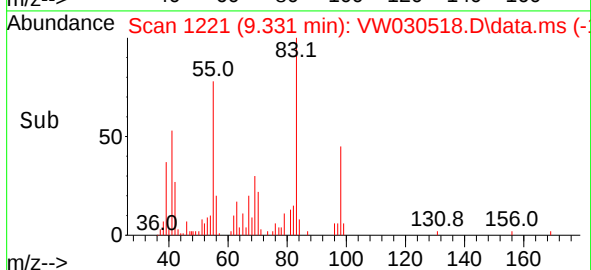
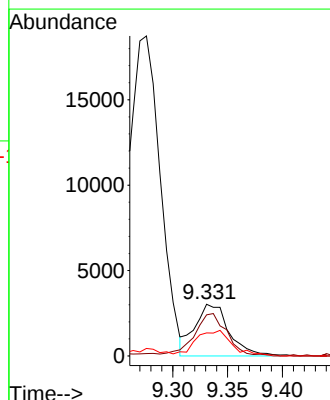
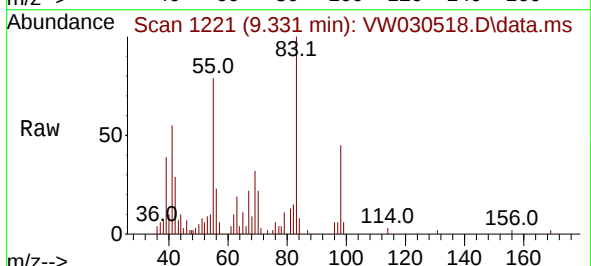
Tgt Ion: 83 Resp: 6586

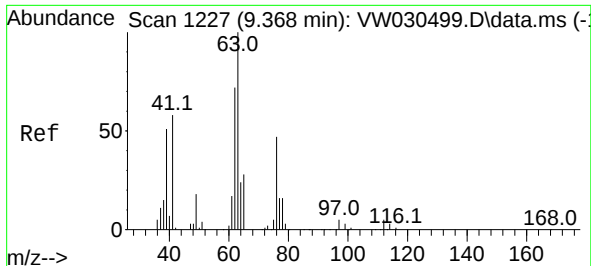
Ion Ratio Lower Upper

83 100

55 78.6 61.8 92.8

98 37.7 39.3 58.9#





#37

1,2-Dichloropropane

Concen: 8.335 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

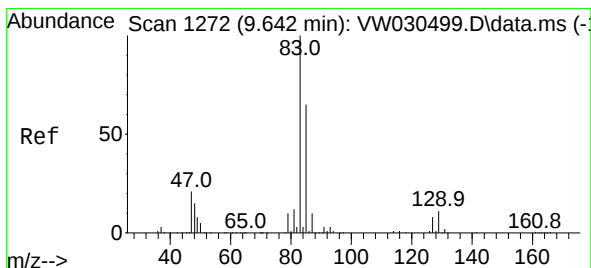
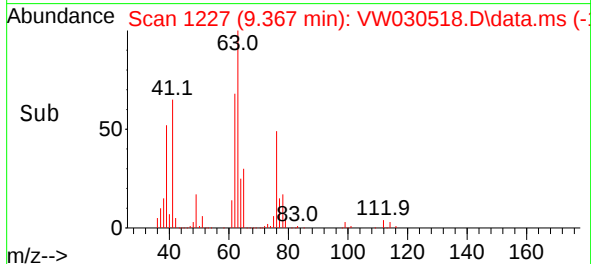
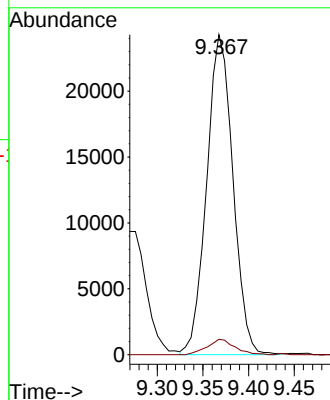
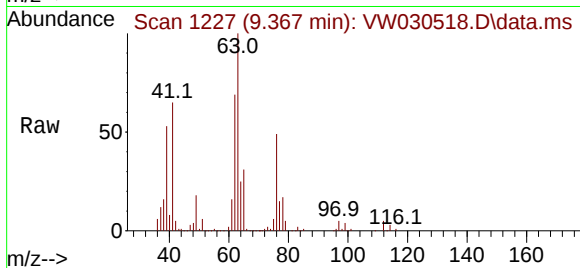
ClientSampleId :

Tgt Ion: 63 Resp: 48569

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 5.583 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

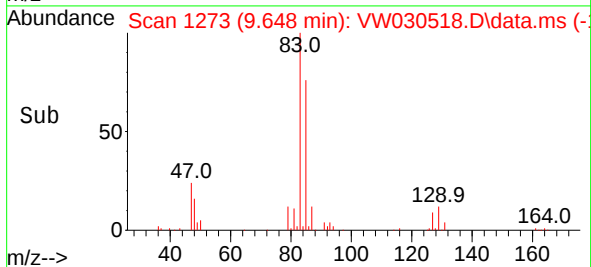
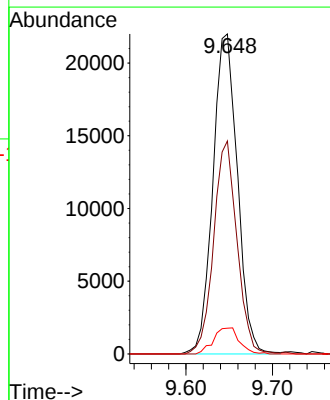
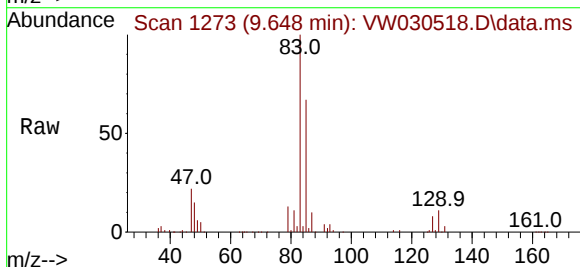
Tgt Ion: 83 Resp: 43283

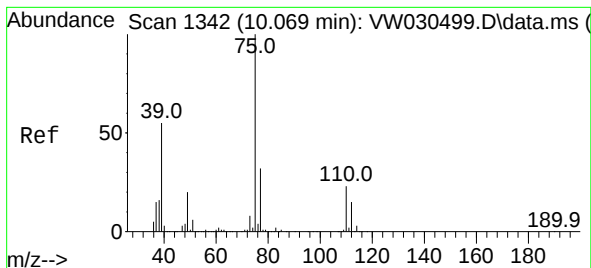
Ion Ratio Lower Upper

83 100

85 66.5 44.2 82.0

127 8.0 6.2 9.4

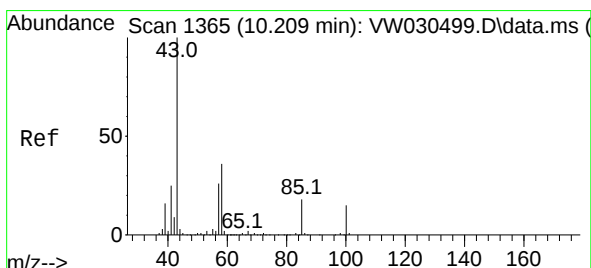
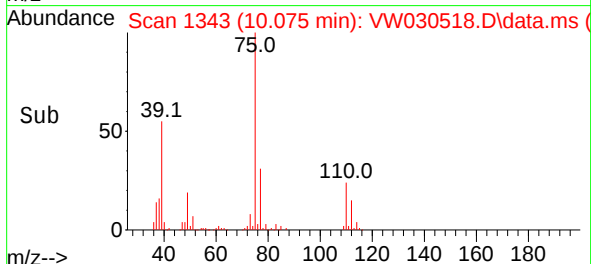
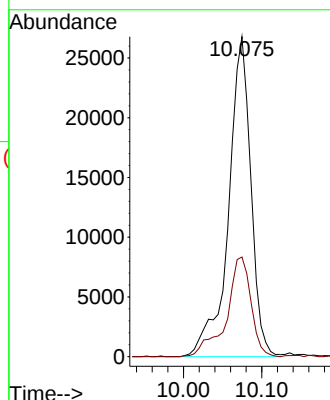
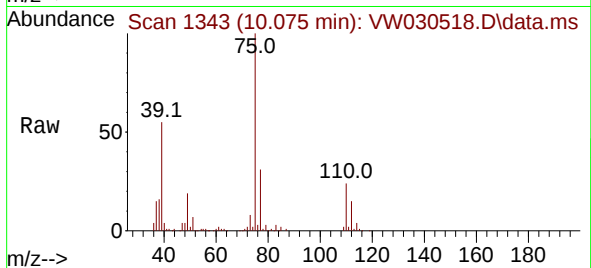




#39  
 cis-1,3-Dichloropropene  
 Concen: 6.059 ug/L  
 RT: 10.075 min Scan# 1343  
 Delta R.T. 0.006 min  
 Lab File: VW030518.D  
 Acq: 10 Oct 2024 18:17

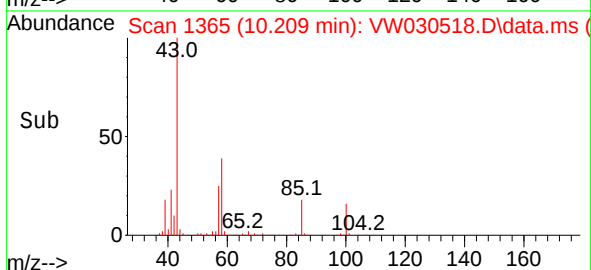
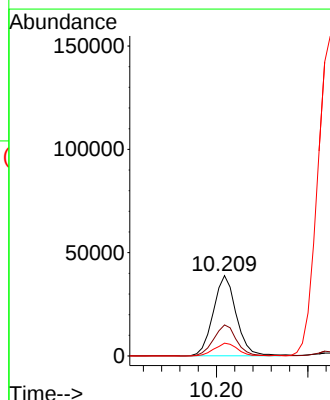
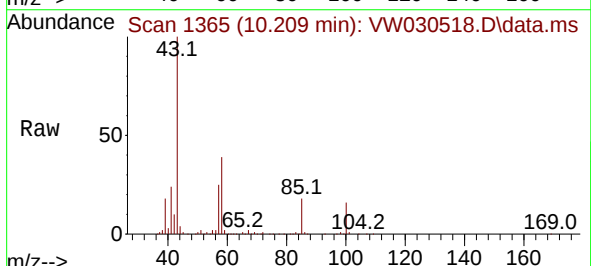
Instrument :  
 MSVOA\_W  
 ClientSampleId :

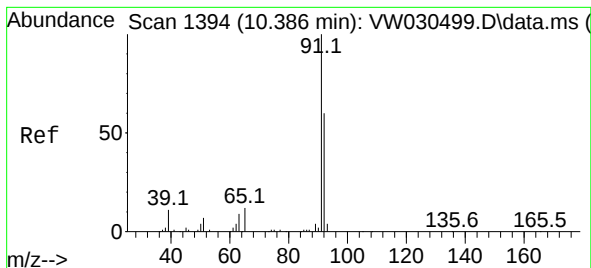
Tgt Ion: 75 Resp: 53258  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 21.1 39.1



#40  
 4-Methyl-2-pentanone  
 Concen: 24.147 ug/L  
 RT: 10.209 min Scan# 1365  
 Delta R.T. -0.000 min  
 Lab File: VW030518.D  
 Acq: 10 Oct 2024 18:17

Tgt Ion: 43 Resp: 67600  
 Ion Ratio Lower Upper  
 43 100  
 58 38.4 31.4 47.2  
 100 15.9 13.1 19.7





#42

Toluene

Concen: 4.752 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

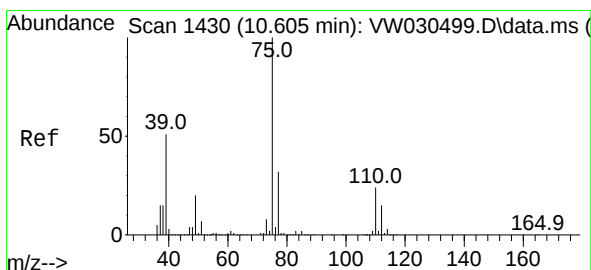
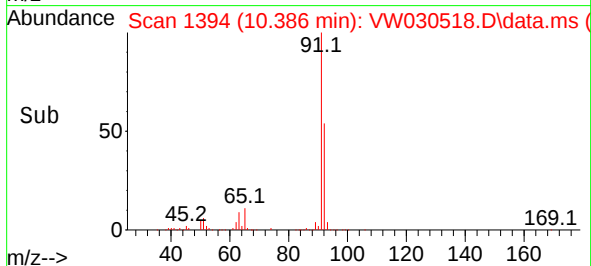
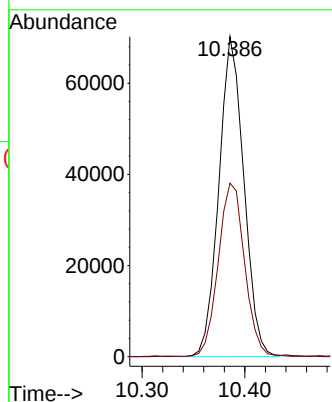
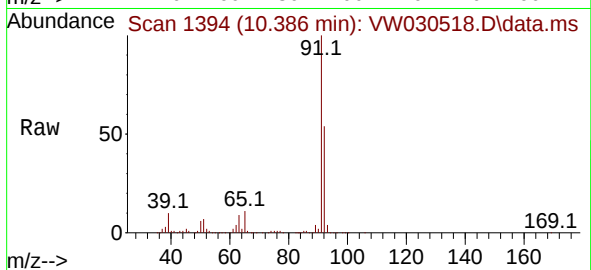
ClientSampleId :

Tgt Ion: 91 Resp: 118291

Ion Ratio Lower Upper

91 100

92 54.2 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 6.127 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030518.D

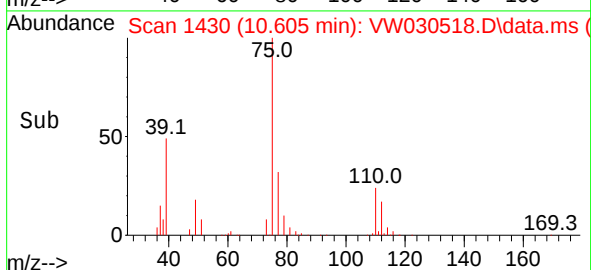
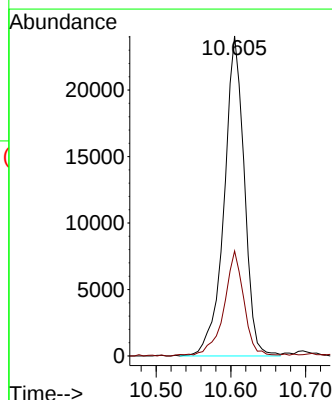
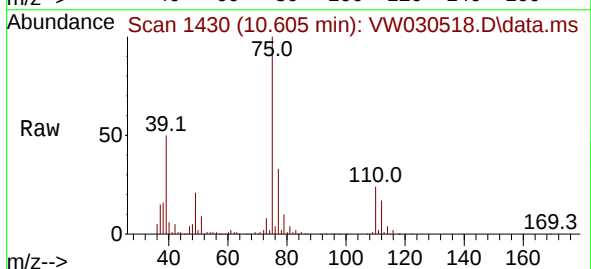
Acq: 10 Oct 2024 18:17

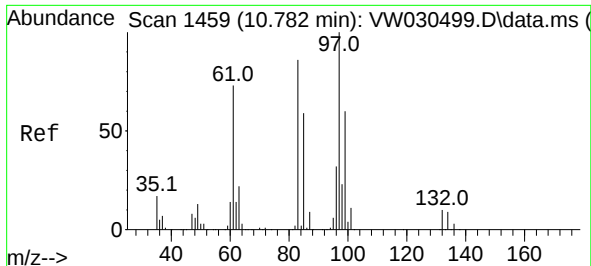
Tgt Ion: 75 Resp: 45259

Ion Ratio Lower Upper

75 100

77 32.8 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 8.462 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 35639

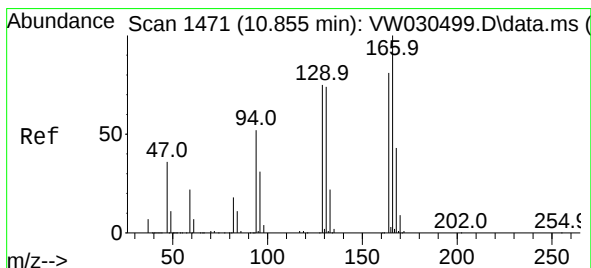
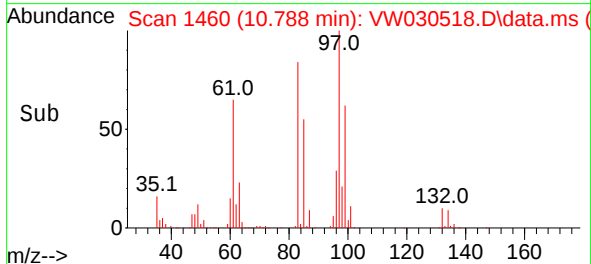
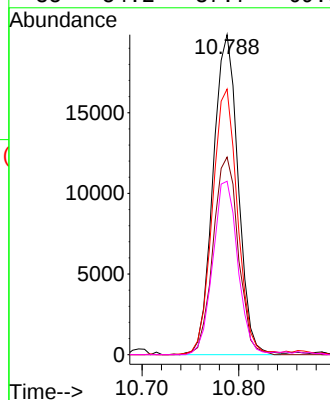
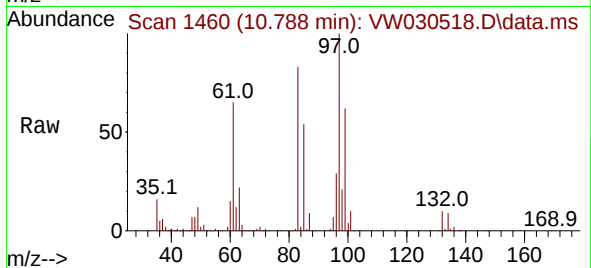
Ion Ratio Lower Upper

97 100

99 61.7 41.2 76.6

83 83.0 59.6 110.6

85 54.2 37.7 69.9



#46

Tetrachloroethene

Concen: 1.999 ug/L

RT: 10.867 min Scan# 1473

Delta R.T. 0.012 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Tgt Ion:164 Resp: 9571

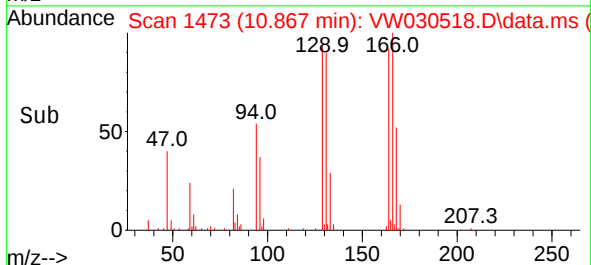
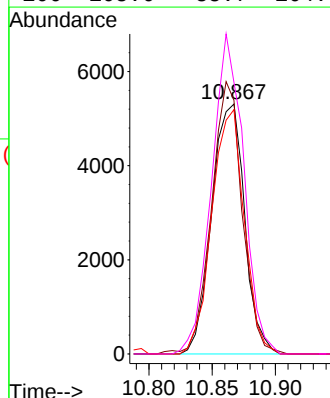
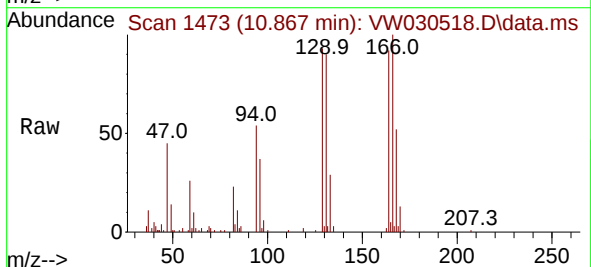
Ion Ratio Lower Upper

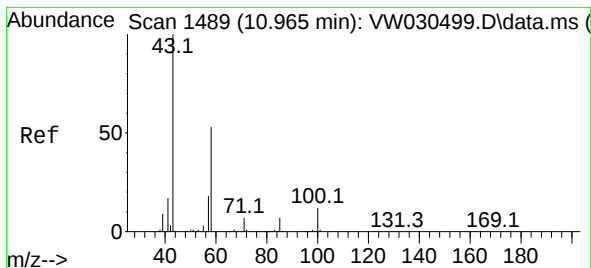
164 100

129 101.5 66.6 123.6

131 101.2 63.7 118.3

166 108.6 88.7 164.7





#48

2-Hexanone

Concen: 18.622 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 43 Resp: 42633

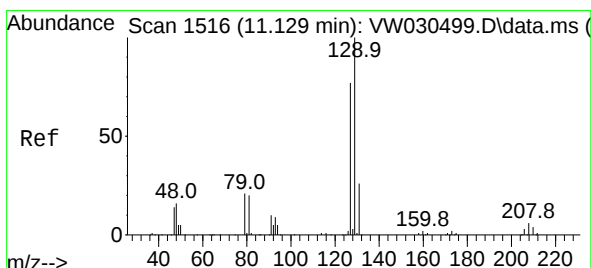
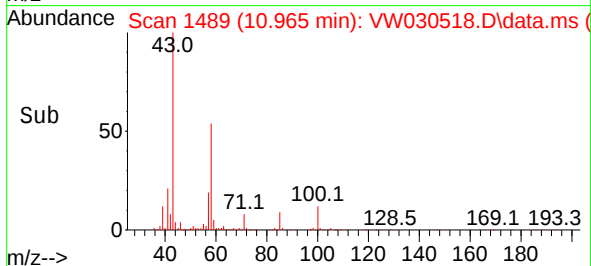
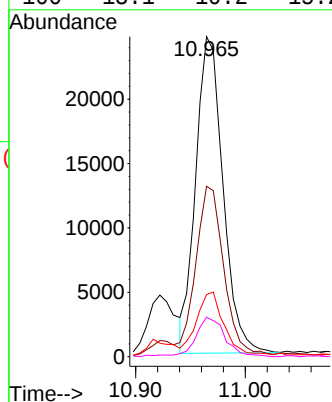
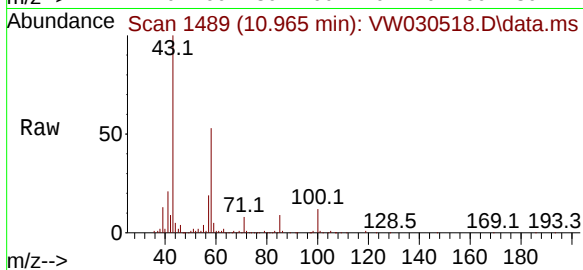
Ion Ratio Lower Upper

43 100

58 56.3 44.6 67.0

57 20.3 15.8 23.8

100 13.1 10.2 15.2



#49

Dibromochloromethane

Concen: 4.967 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW030518.D

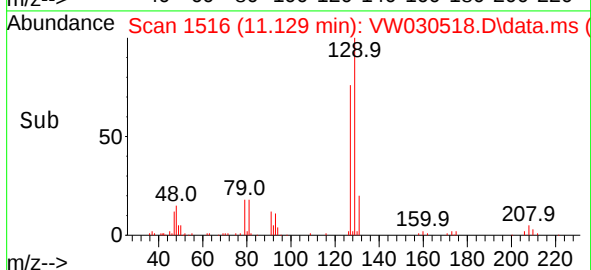
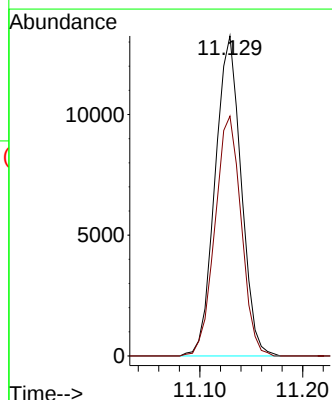
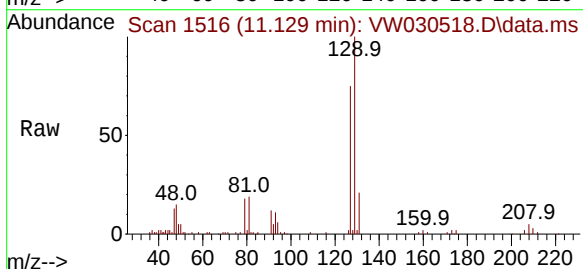
Acq: 10 Oct 2024 18:17

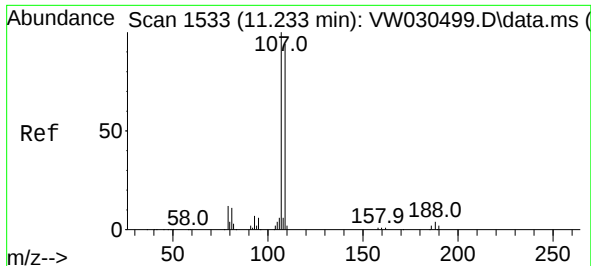
Tgt Ion:129 Resp: 23341

Ion Ratio Lower Upper

129 100

127 75.0 56.5 104.9





#50

1,2-Dibromoethane

Concen: 7.388 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW030518.D

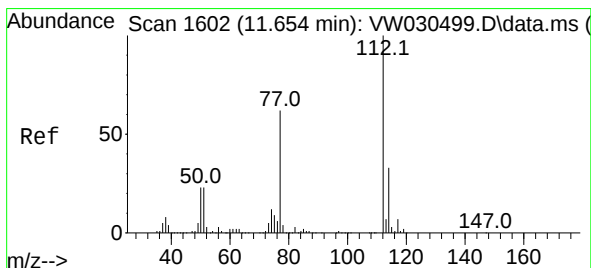
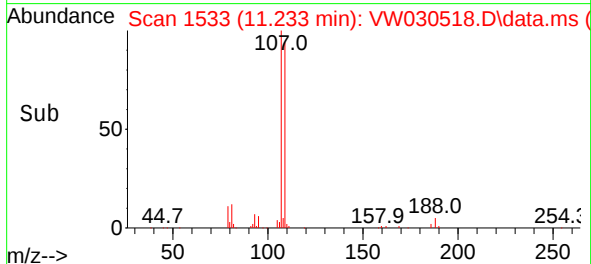
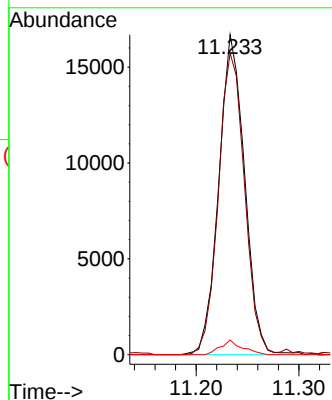
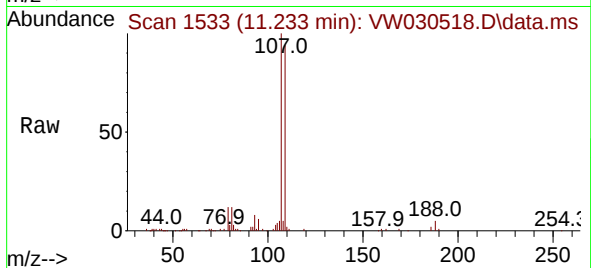
Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 29033 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 94.3  | 63.8  | 118.6 |
| 188      | 4.6   | 2.6   | 3.8#  |



#51

Chlorobenzene

Concen: 3.466 ug/L

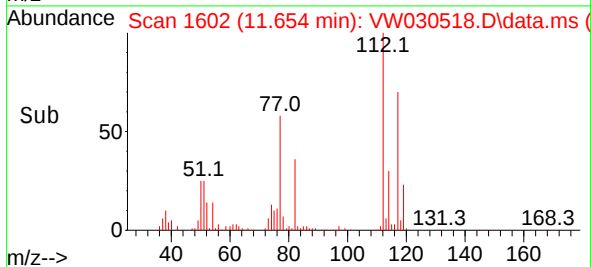
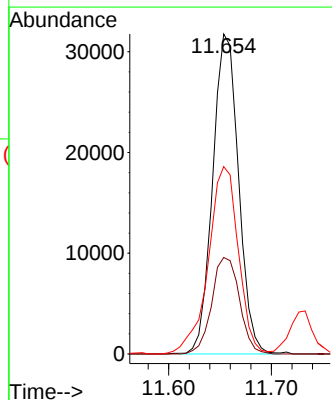
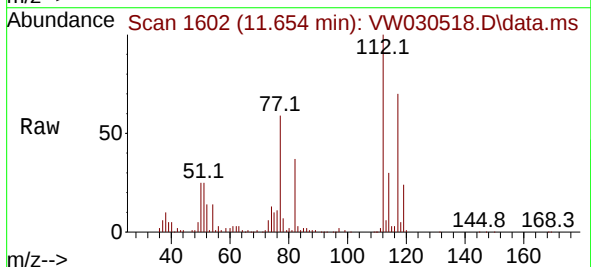
RT: 11.654 min Scan# 1602

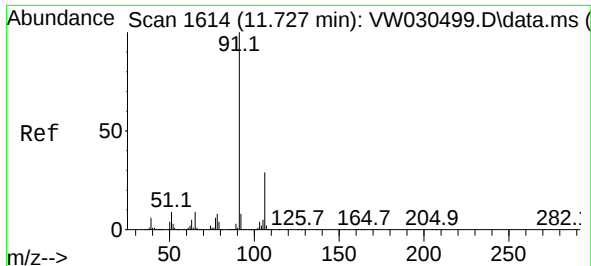
Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 55532 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 30.1  | 22.4  | 41.6  |
| 77       | 58.6  | 47.1  | 70.7  |





#52

Ethylbenzene

Concen: 2.449 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

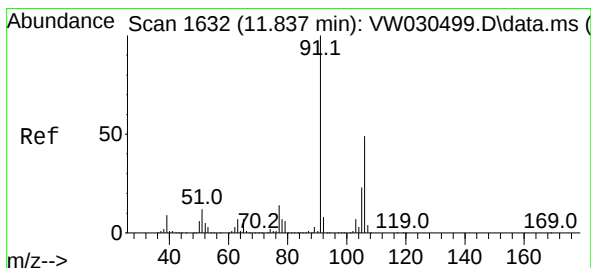
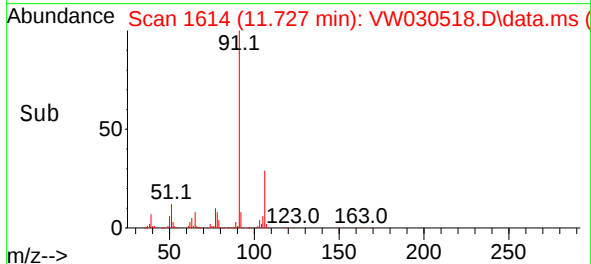
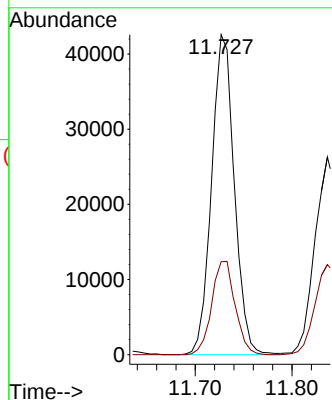
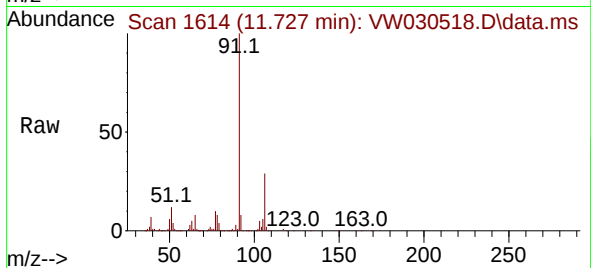
ClientSampleId :

Tgt Ion: 91 Resp: 69555

Ion Ratio Lower Upper

91 100

106 29.1 21.1 39.1



#53

m,p-Xylene

Concen: 2.171 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW030518.D

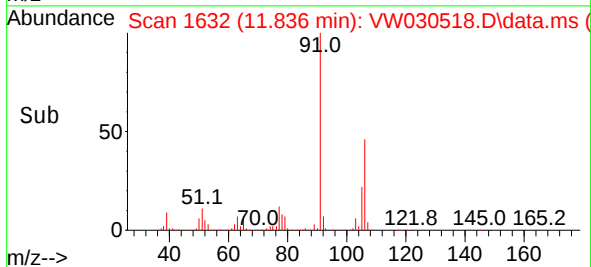
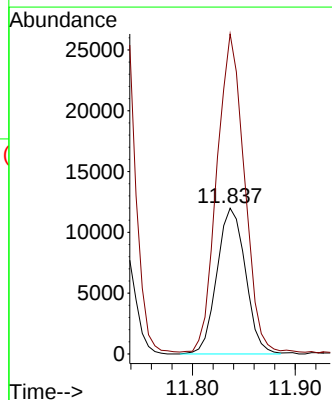
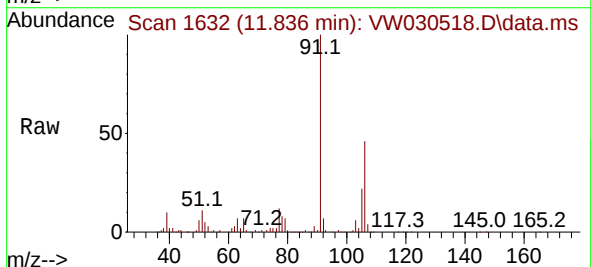
Acq: 10 Oct 2024 18:17

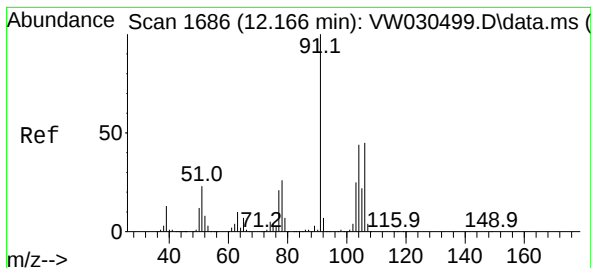
Tgt Ion:106 Resp: 23103

Ion Ratio Lower Upper

106 100

91 219.5 140.6 261.2

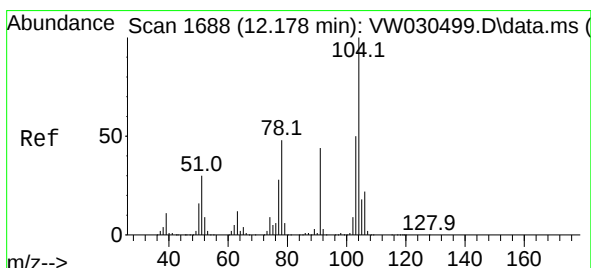
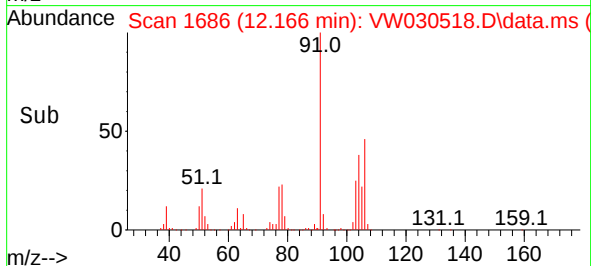
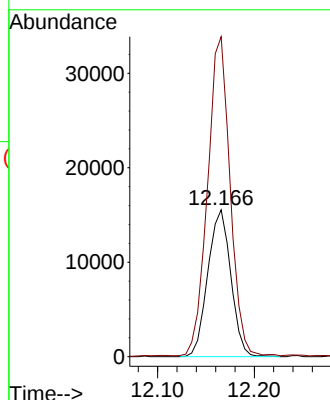
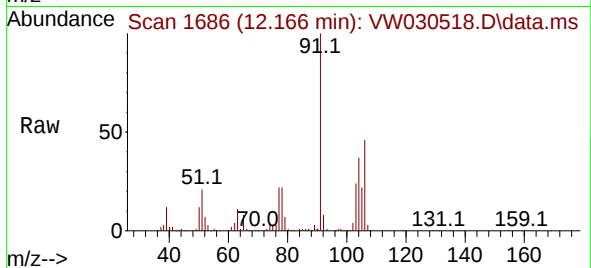




#54  
o-Xylene  
Concen: 2.614 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

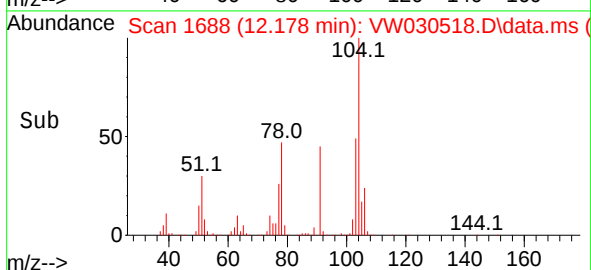
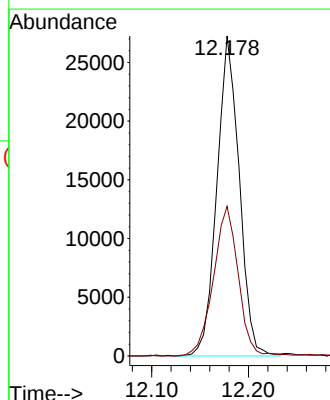
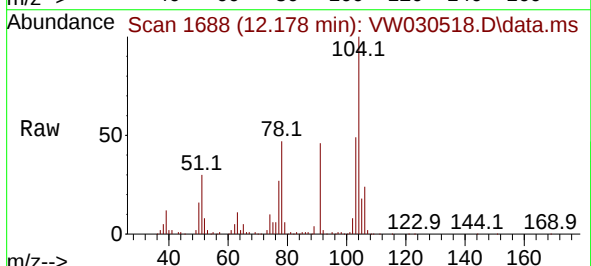
Instrument :  
MSVOA\_W  
ClientSampleId :

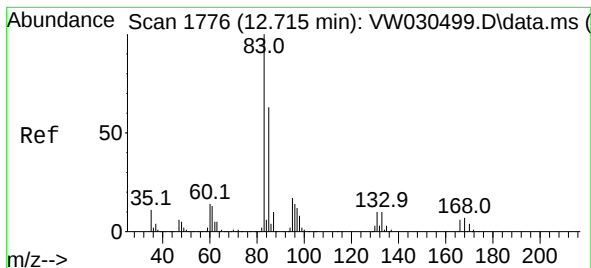
Tgt Ion:106 Resp: 25717  
Ion Ratio Lower Upper  
106 100  
91 217.9 144.5 268.4



#55  
Styrene  
Concen: 2.598 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion:104 Resp: 43695  
Ion Ratio Lower Upper  
104 100  
78 46.8 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 6.316 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW030518.D

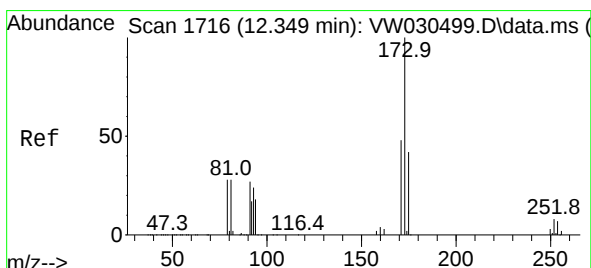
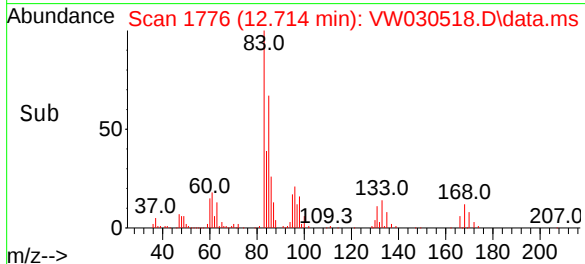
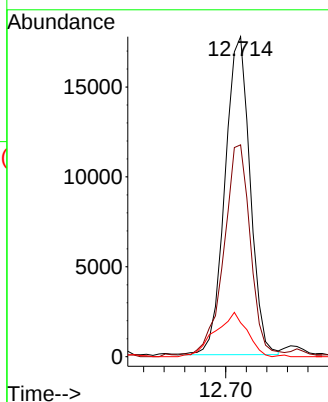
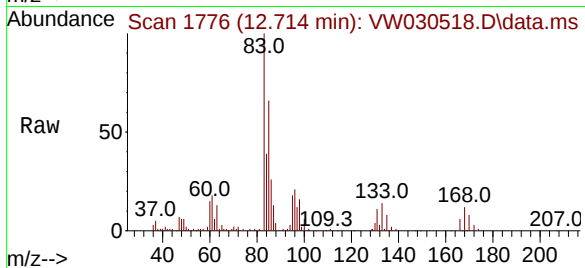
Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 29998 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.2  | 42.6  | 79.2  |
| 131      | 10.6  | 7.4   | 11.0  |



#59

Bromoform

Concen: 4.984 ug/L

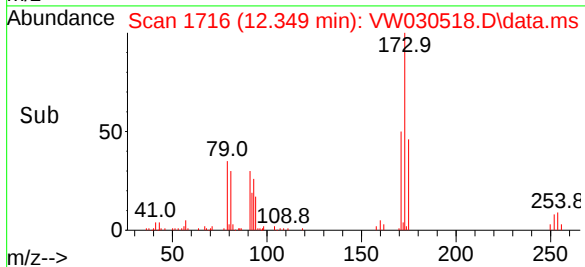
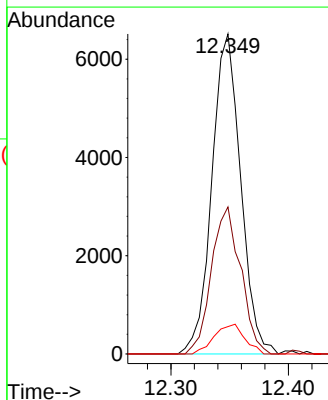
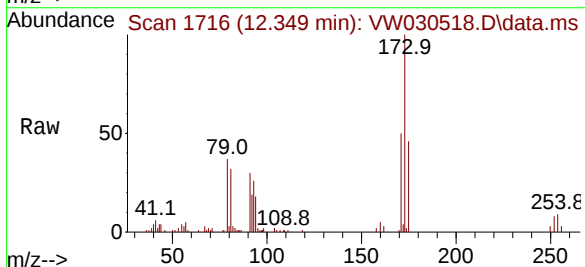
RT: 12.349 min Scan# 1716

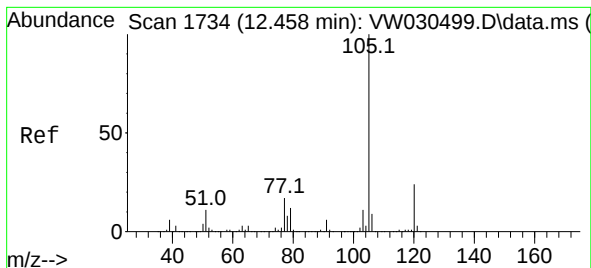
Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 11098 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 46.7  | 39.0  | 58.4  |
| 254      | 9.8   | 7.7   | 11.5  |





#60

Isopropylbenzene

Concen: 1.444 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030518.D

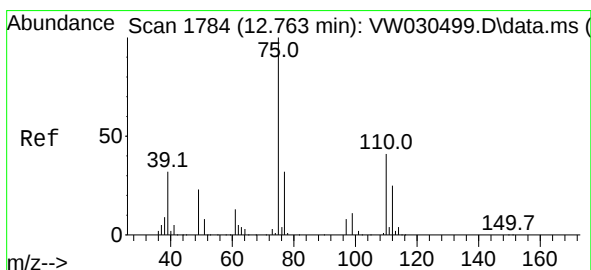
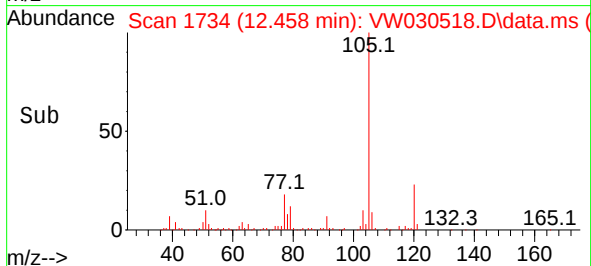
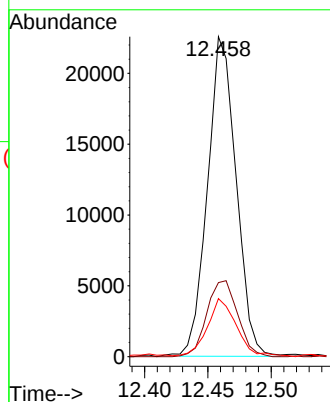
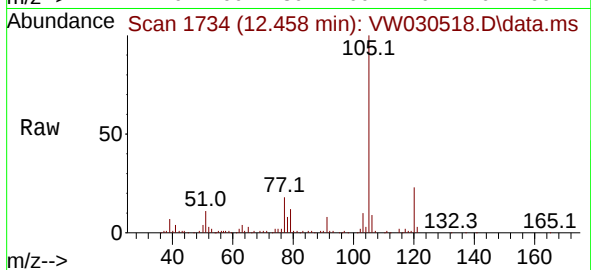
Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 35445 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 25.6  | 20.6  | 31.0  |
| 77       | 18.6  | 13.4  | 20.0  |



#61

1,2,3-Trichloropropane

Concen: 8.186 ug/L

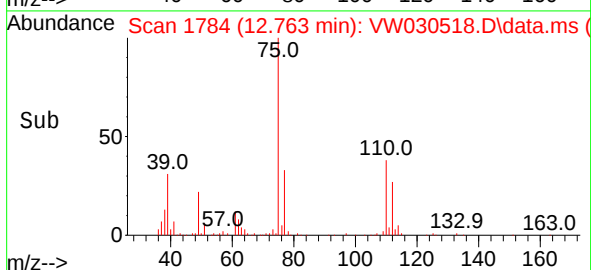
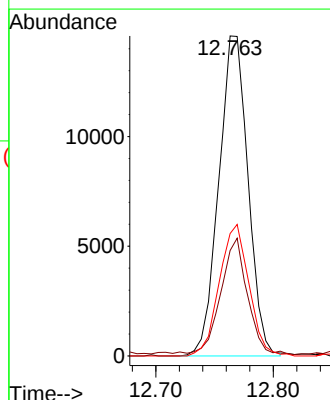
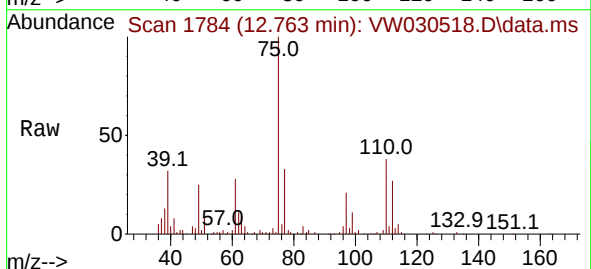
RT: 12.763 min Scan# 1784

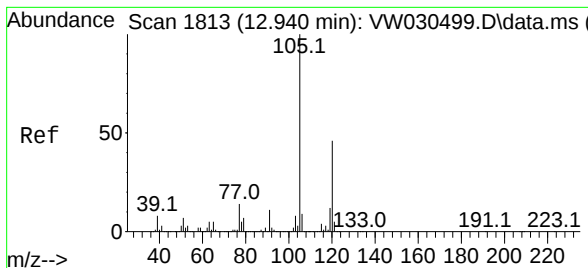
Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 25245 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.7  | 25.7  | 38.5  |
| 110      | 41.6  | 32.3  | 48.5  |

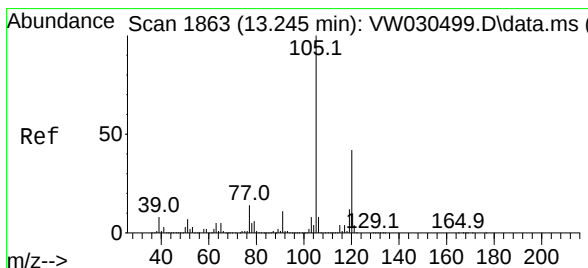
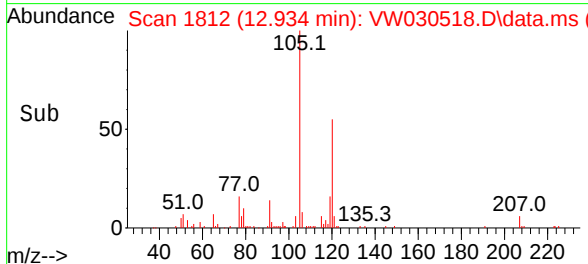
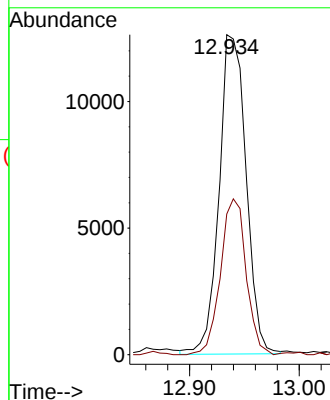
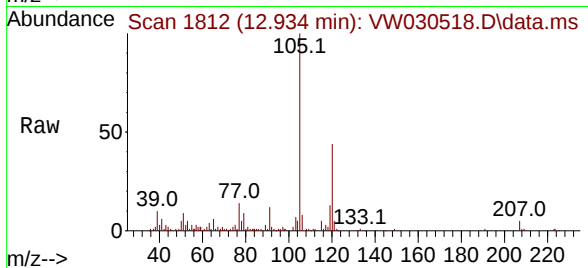




#62  
1,3,5-Trimethylbenzene  
Concen: 1.115 ug/L  
RT: 12.934 min Scan# 1812  
Delta R.T. -0.006 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

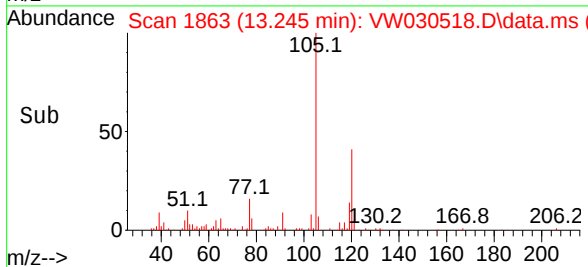
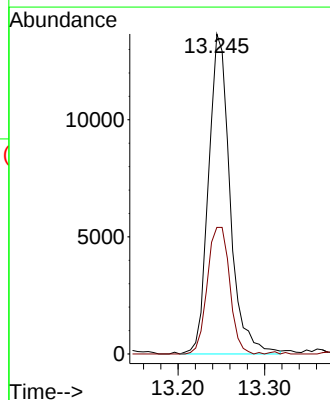
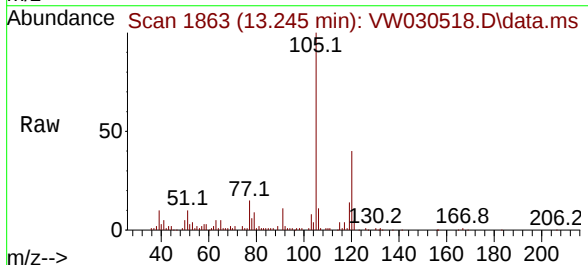
Instrument :  
MSVOA\_W  
ClientSampleId :

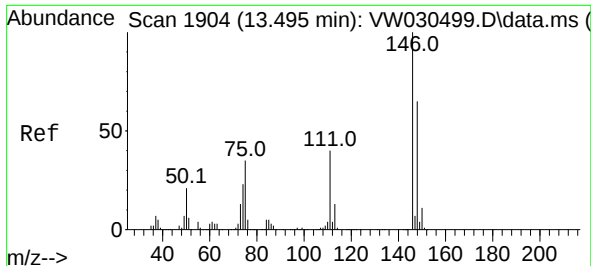
Tgt Ion:105 Resp: 21582  
Ion Ratio Lower Upper  
105 100  
120 46.3 38.0 57.0



#63  
1,2,4-Trimethylbenzene  
Concen: 1.243 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion:105 Resp: 23560  
Ion Ratio Lower Upper  
105 100  
120 41.1 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 1.290 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

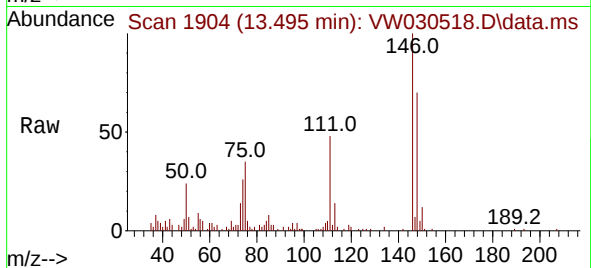
Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :



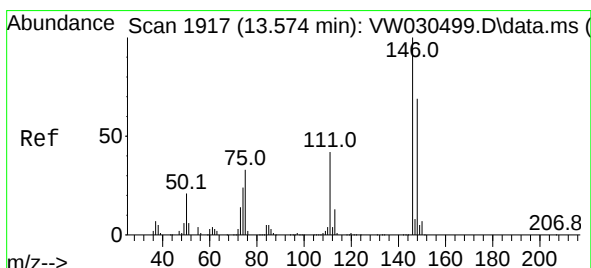
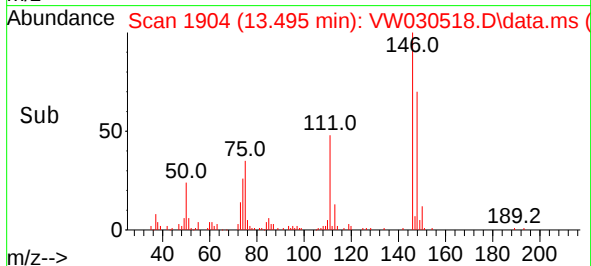
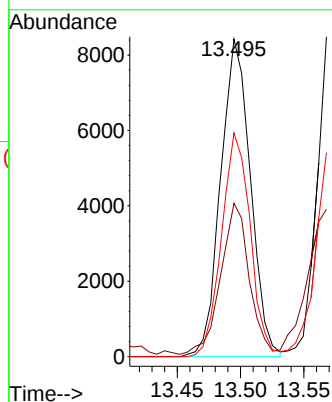
Tgt Ion:146 Resp: 13777

Ion Ratio Lower Upper

146 100

111 48.3 31.2 58.0

148 70.4 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 1.522 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

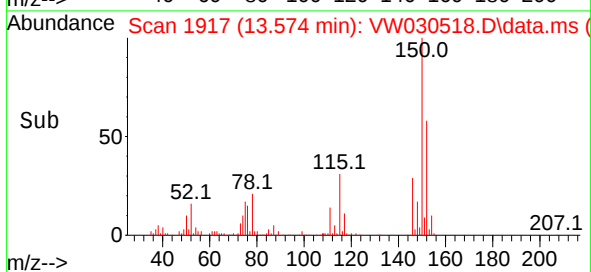
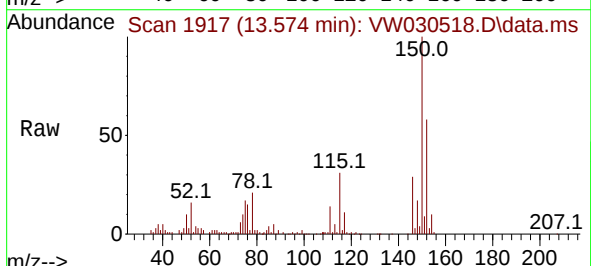
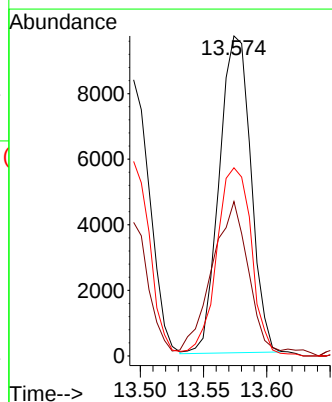
Tgt Ion:146 Resp: 16795

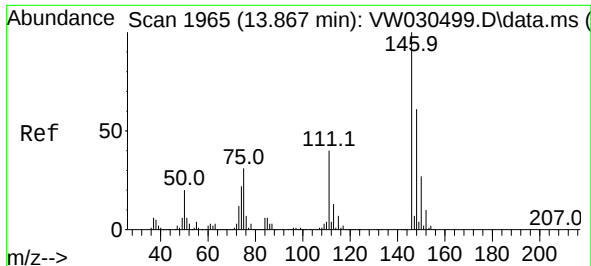
Ion Ratio Lower Upper

146 100

111 48.3 26.8 49.8

148 58.8 41.0 76.2

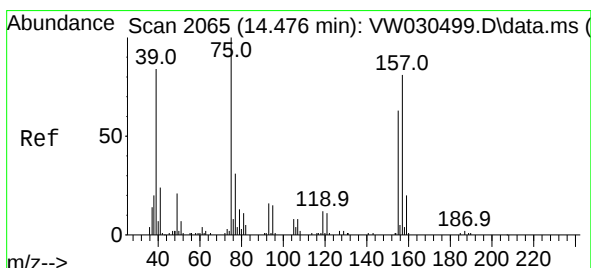
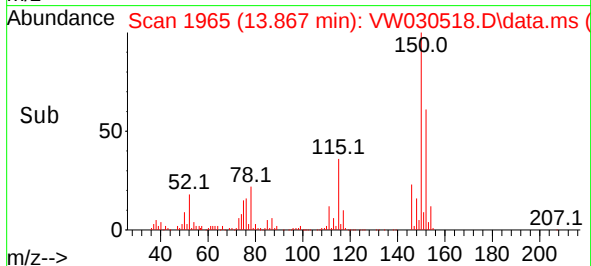
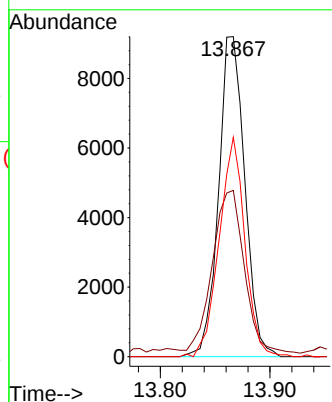
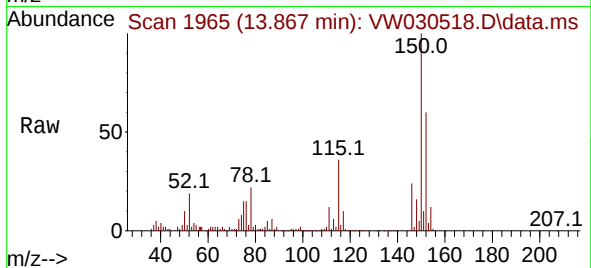




#67  
1,2-Dichlorobenzene  
Concen: 1.628 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

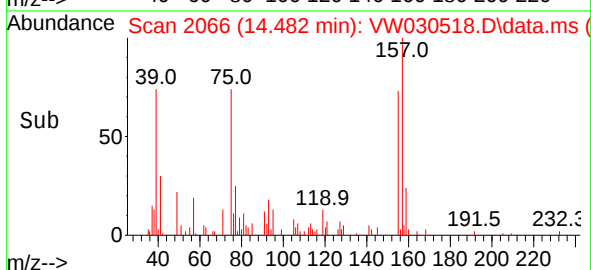
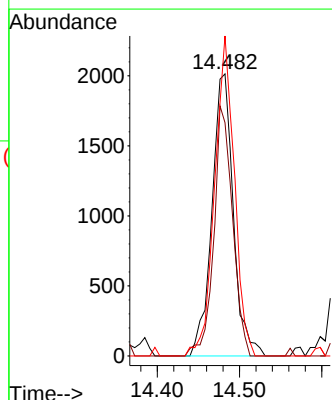
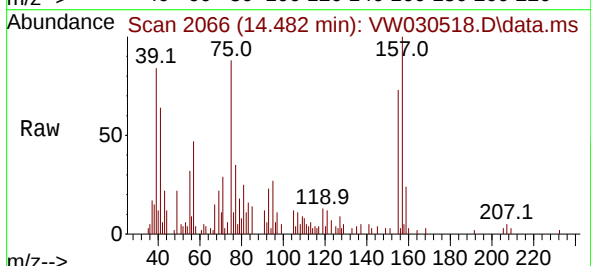
Instrument :  
MSVOA\_W  
ClientSampleId :

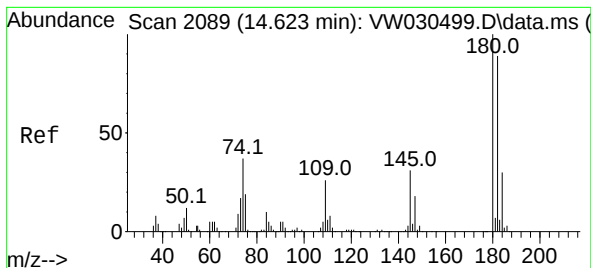
Tgt Ion:146 Resp: 15303  
Ion Ratio Lower Upper  
146 100  
111 51.9 34.6 52.0  
148 68.6 53.3 79.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.276 ug/L  
RT: 14.482 min Scan# 2066  
Delta R.T. 0.006 min  
Lab File: VW030518.D  
Acq: 10 Oct 2024 18:17

Tgt Ion: 75 Resp: 3628  
Ion Ratio Lower Upper  
75 100  
155 82.7 57.9 86.9  
157 113.5 69.0 103.6#





#69

1,3,5-Trichlorobenzene

Concen: 0.473 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion:180 Resp: 3334

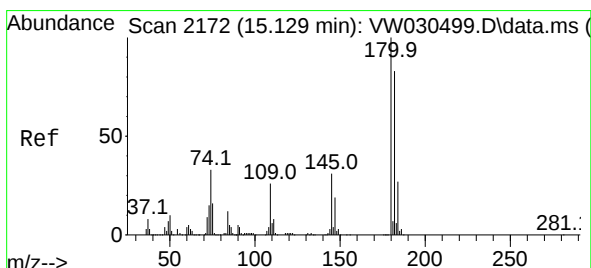
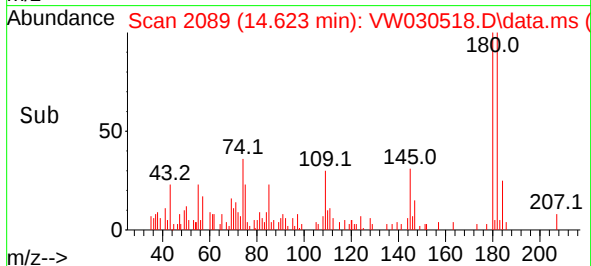
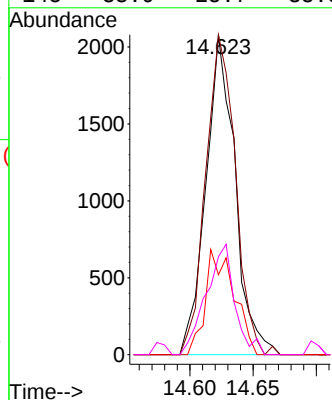
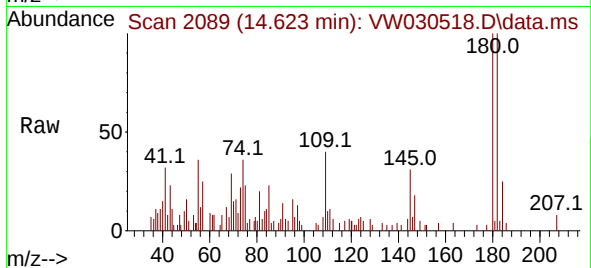
Ion Ratio Lower Upper

180 100

182 101.4 79.9 119.9

184 32.4 25.2 37.8

145 33.9 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 0.503 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

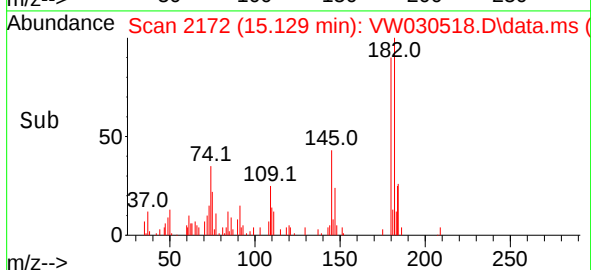
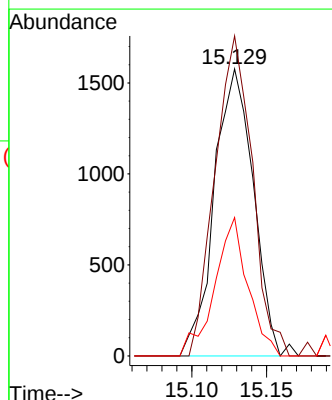
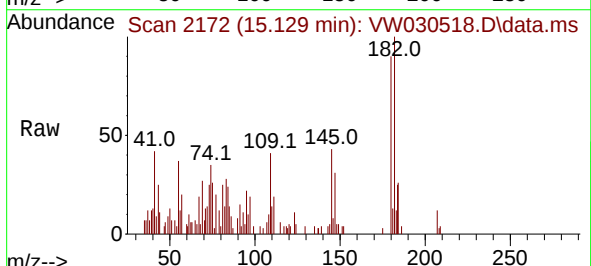
Tgt Ion:180 Resp: 2851

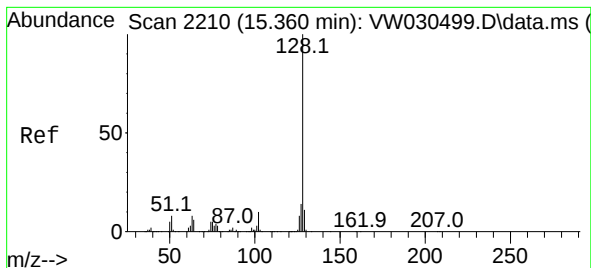
Ion Ratio Lower Upper

180 100

182 106.9 75.2 112.8

145 41.1 25.4 38.2#





#71

Naphthalene

Concen: 1.627 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Instrument :

MSVOA\_W

ClientSampleId :

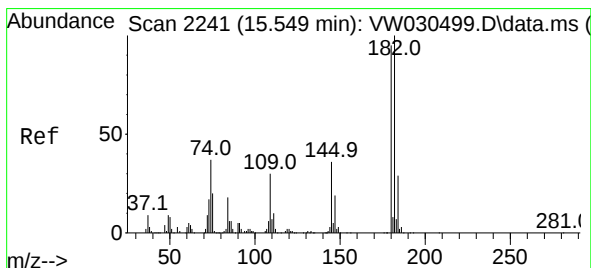
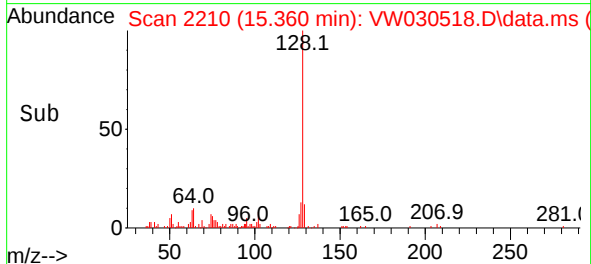
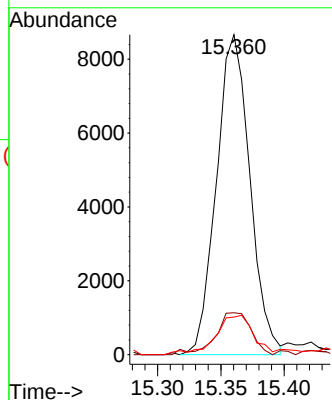
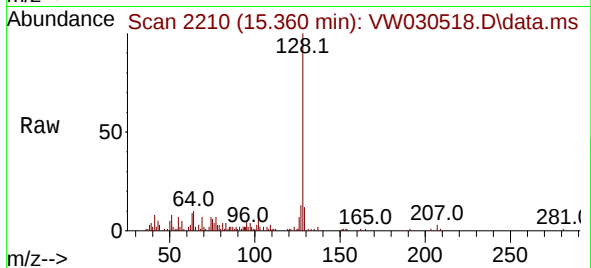
Tgt Ion:128 Resp: 15941

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

129 11.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 0.591 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW030518.D

Acq: 10 Oct 2024 18:17

Tgt Ion:180 Resp: 2906

Ion Ratio Lower Upper

180 100

182 89.1 76.2 114.4

145 44.6 27.4 41.2#

