

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031424\  
 Data File : VW028184.D  
 Acq On : 14 Mar 2024 17:27  
 Operator : SY/MD  
 Sample : P1742-20MS  
 Misc : 5.27g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 15 01:59:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 15 01:46:51 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 8.837     | 114   | 219977   | 25.000   | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 11.629    | 117   | 182499   | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550    | 152   | 68897    | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.369     | 65    | 64814    | 25.182   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 100.720%  |          |
| 7) Chloroethane-d5            | 2.899     | 69    | 46399    | 25.803   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 103.200%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.021     | 65    | 41350    | 25.334   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 101.320%  |          |
| 21) 2-Butanone-d5             | 7.075     | 46    | 54944    | 72.378   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 144.760%# |          |
| 24) Chloroform-d              | 7.648     | 84    | 175212   | 27.012   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 108.040%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.307     | 65    | 104584   | 29.257   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 117.040%  |          |
| 32) Benzene-d6                | 8.270     | 84    | 335143   | 30.078   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 120.320%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.270     | 67    | 98128    | 30.603   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 122.400%# |          |
| 41) Toluene-d8                | 10.319    | 98    | 294125   | 28.619   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 114.480%  |          |
| 43) trans-1,3-Dichloroprop... | 10.575    | 79    | 46048    | 31.619   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 126.480%  |          |
| 47) 2-Hexanone-d5             | 10.922    | 63    | 44313    | 83.607   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 167.220%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690    | 84    | 79353    | 33.502   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 134.000%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.849    | 152   | 69799    | 27.810   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 111.240%  |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021     | 85    | 58078    | 18.200   | ug/L #      | 87       |
| 3) Chloromethane              | 2.229     | 50    | 44185    | 19.522   | ug/L        | 96       |
| 5) Vinyl chloride             | 2.375     | 62    | 50701    | 19.818   | ug/L        | 97       |
| 6) Bromomethane               | 2.790     | 94    | 30591    | 20.078   | ug/L        | 95       |
| 8) Chloroethane               | 2.942     | 64    | 27631    | 20.094   | ug/L        | 99       |
| 9) Trichlorofluoromethane     | 3.271     | 101   | 65036    | 21.026   | ug/L        | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076     | 101   | 53408    | 17.381   | ug/L #      | 83       |
| 12) 1,1-Dichloroethene        | 4.045     | 96    | 55918    | 19.685   | ug/L        | 90       |
| 13) Acetone                   | 4.119     | 43    | 50511    | 59.927   | ug/L        | 98       |
| 14) Carbon disulfide          | 4.393     | 76    | 171376   | 19.343   | ug/L        | 98       |
| 15) Methyl Acetate            | 4.673     | 43    | 31541    | 24.294   | ug/L        | 98       |
| 16) Methylene chloride        | 4.917     | 84    | 60797    | 18.159   | ug/L        | 100      |
| 17) trans-1,2-Dichloroethene  | 5.429     | 96    | 59423    | 19.684   | ug/L        | 95       |
| 18) Methyl tert-butyl Ether   | 5.423     | 73    | 106671   | 23.420   | ug/L        | 99       |
| 19) 1,1-Dichloroethane        | 6.216     | 63    | 117812   | 20.159   | ug/L        | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173     | 96    | 65622    | 20.127   | ug/L        | 98       |
| 22) 2-Butanone                | 7.167     | 43    | 52012    | 54.350   | ug/L        | 98       |
| 23) Bromochloromethane        | 7.514     | 128   | 30151    | 20.918   | ug/L        | 92       |
| 25) Chloroform                | 7.679     | 83    | 121986   | 20.275   | ug/L        | 96       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 15 01:59:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 15 01:46:51 2024  
 Response via : Initial Calibration

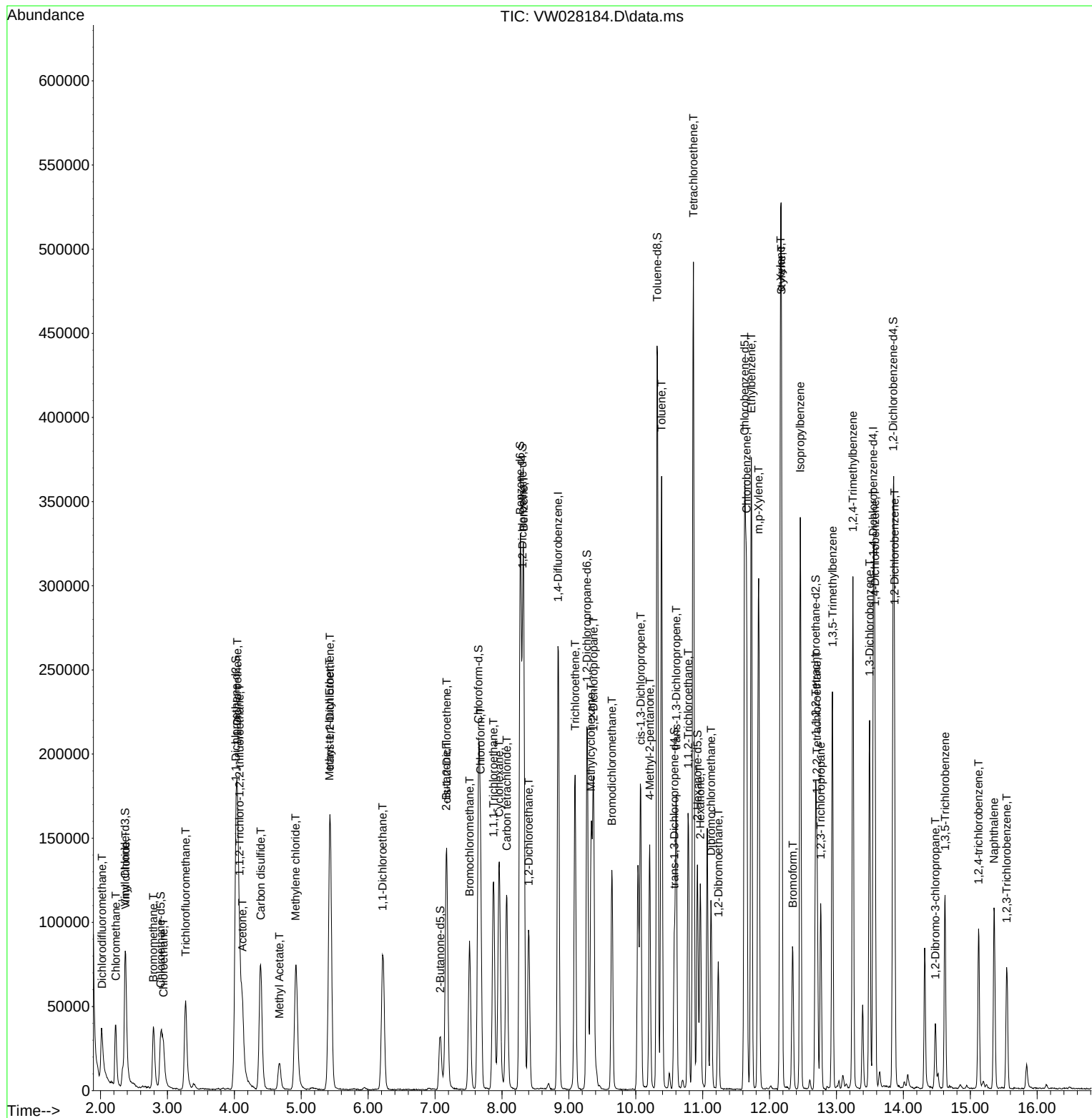
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 91076    | 21.435 | ug/L  | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 78342    | 16.458 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 102385   | 21.402 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 88259    | 19.669 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 247593   | 22.047 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 64899    | 20.714 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.331  | 83   | 60076    | 11.344 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 63714    | 22.181 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 86357    | 22.299 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 106181   | 23.082 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 91831    | 57.918 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 254452   | 20.761 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 92842    | 23.905 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 49996    | 24.090 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 108285   | 42.876 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 75617    | 60.882 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 56432    | 22.960 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 48087    | 24.232 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 150897   | 19.397 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 254809   | 17.809 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 96758    | 17.971 | ug/L  | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 90108    | 18.047 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 163384   | 19.051 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 57788    | 24.344 | ug/L  | 97       |
| 59) Bromoform                 | 12.349 | 173  | 33719    | 32.661 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 212977   | 20.806 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 44806    | 34.076 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 125022   | 18.202 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 154675   | 18.650 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 85227    | 18.662 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 85642    | 18.754 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 82335    | 20.936 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 10091    | 32.670 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 35042    | 11.016 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 29065    | 10.755 | ug/L  | 97       |
| 71) Naphthalene               | 15.354 | 128  | 90318    | 19.472 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 23980    | 10.764 | ug/L  | 97       |

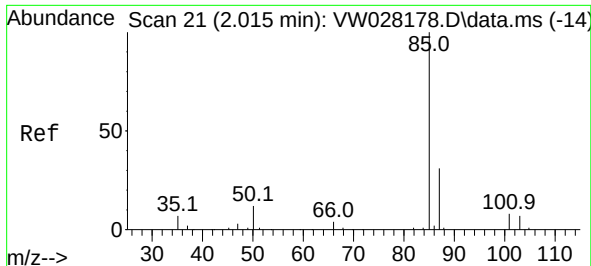
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Quant Time: Mar 15 01:59:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Mar 15 01:46:51 2024  
Response via : Initial Calibration

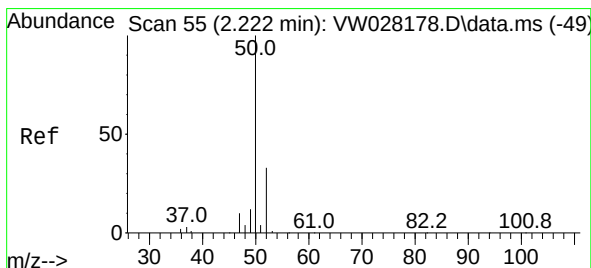
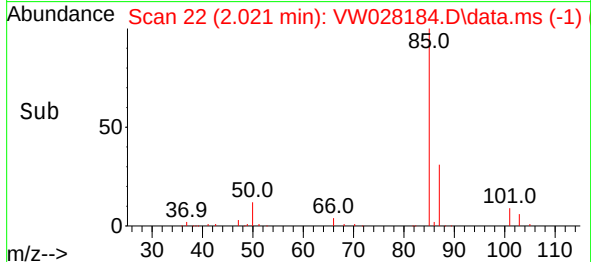
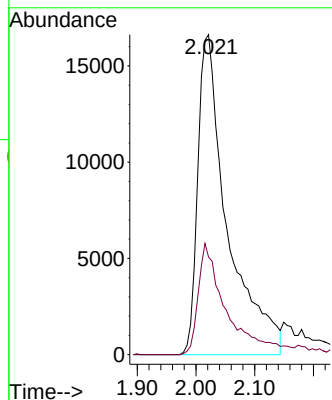
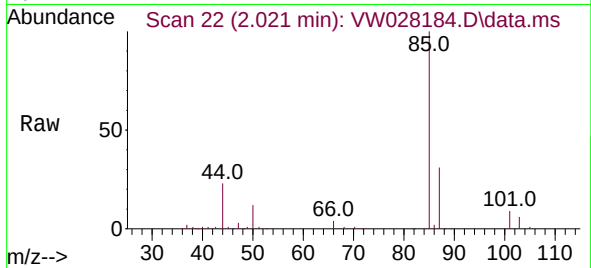




#2  
 Dichlorodifluoromethane  
 Concen: 18.200 ug/L  
 RT: 2.021 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VW028184.D  
 Acq: 14 Mar 2024 17:27

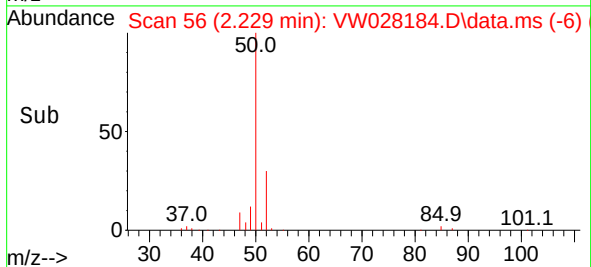
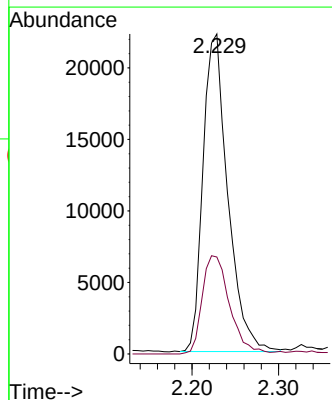
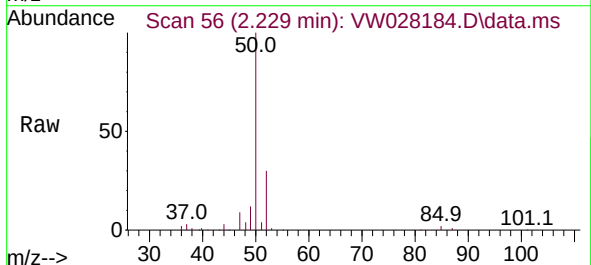
Instrument :  
 MSVOA\_W  
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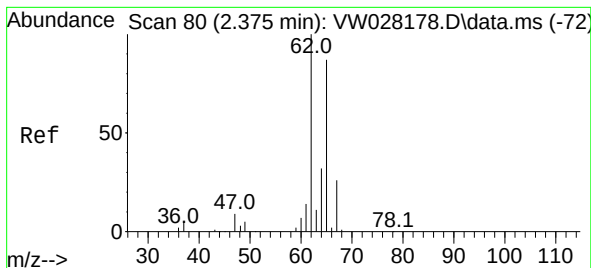
Tgt Ion: 85 Resp: 58078  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 20.9 31.3#



#3  
 Chloromethane  
 Concen: 19.522 ug/L  
 RT: 2.229 min Scan# 56  
 Delta R.T. 0.006 min  
 Lab File: VW028184.D  
 Acq: 14 Mar 2024 17:27

Tgt Ion: 50 Resp: 44185  
 Ion Ratio Lower Upper  
 50 100  
 52 30.3 22.7 42.1





#5

Vinyl chloride

Concen: 19.818 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

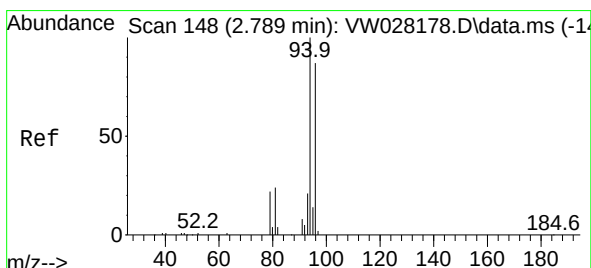
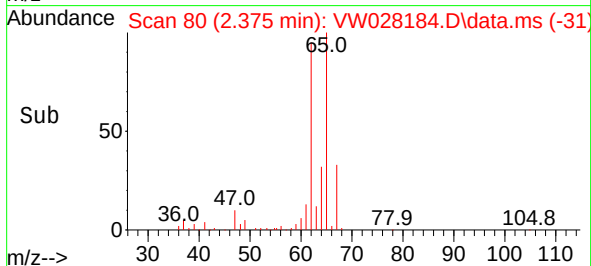
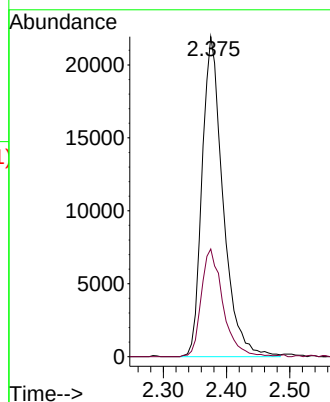
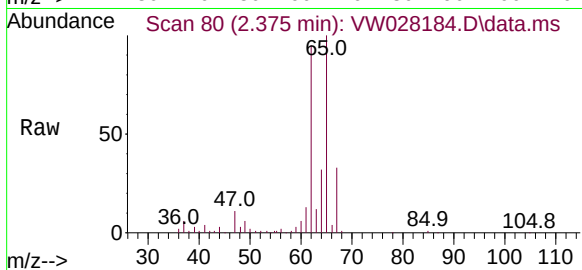
ClientSampleId :

Tgt Ion: 62 Resp: 50701

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.7



#6

Bromomethane

Concen: 20.078 ug/L

RT: 2.790 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW028184.D

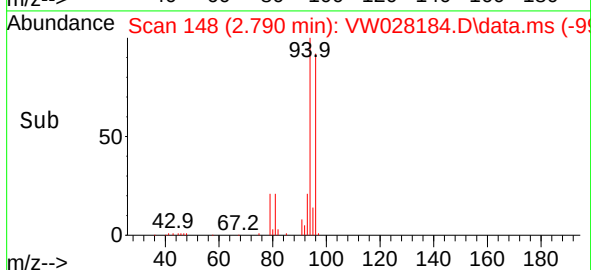
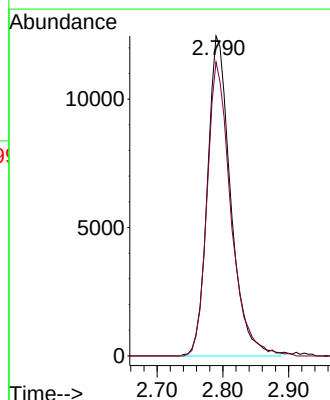
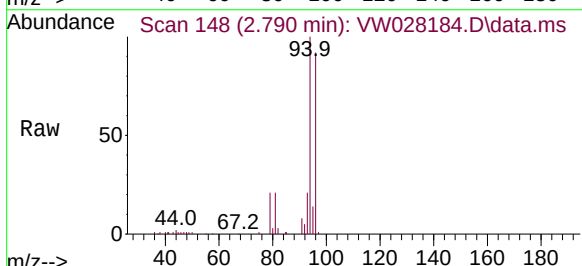
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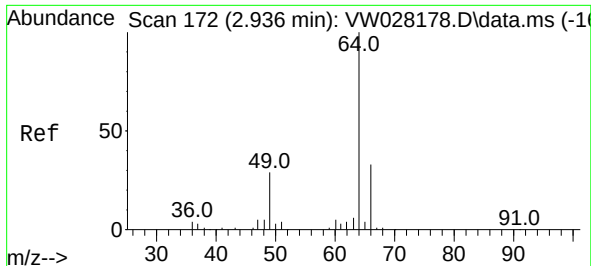
Tgt Ion: 94 Resp: 30591

Ion Ratio Lower Upper

94 100

96 91.9 60.8 113.0

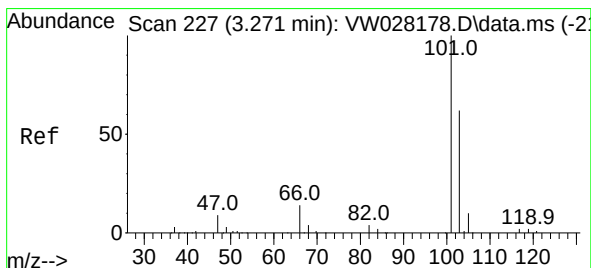
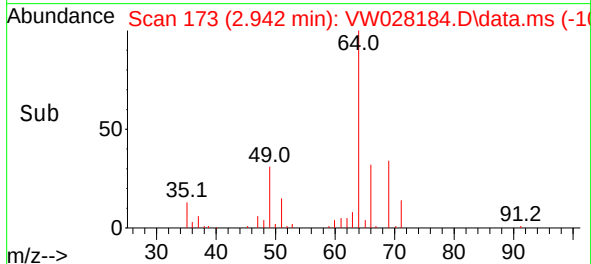
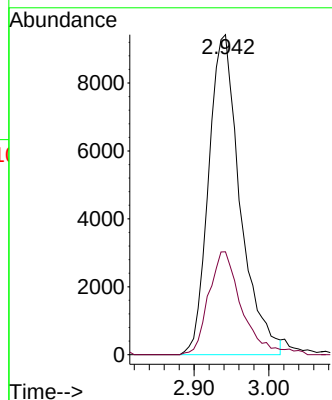
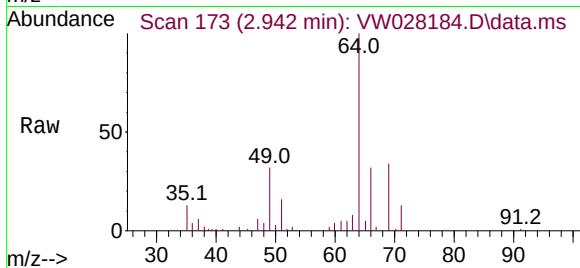




#8  
Chloroethane  
Concen: 20.094 ug/L  
RT: 2.942 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

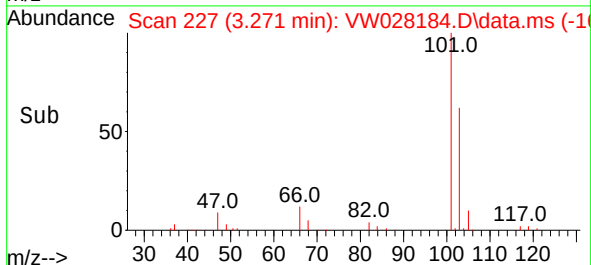
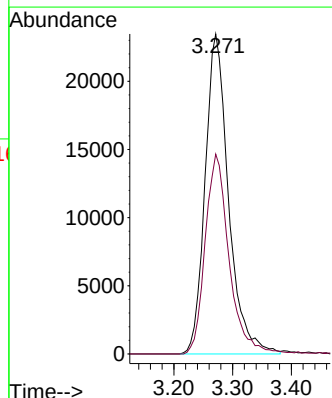
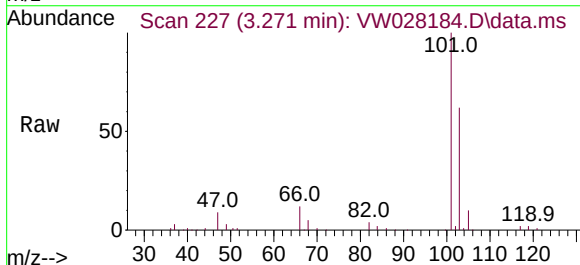
Instrument :  
MSVOA\_W  
ClientSampleId :

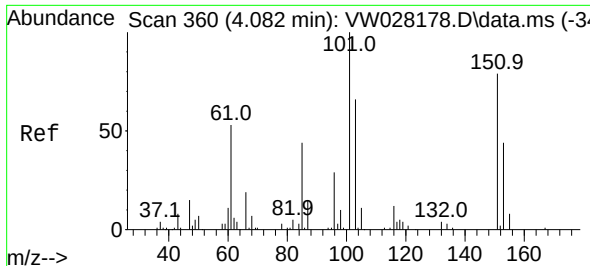
Tgt Ion: 64 Resp: 27631  
Ion Ratio Lower Upper  
64 100  
66 32.1 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 21.026 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

Tgt Ion:101 Resp: 65036  
Ion Ratio Lower Upper  
101 100  
103 63.7 50.9 76.3





#10

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

Concen: 17.381 ug/L

RT: 4.076 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

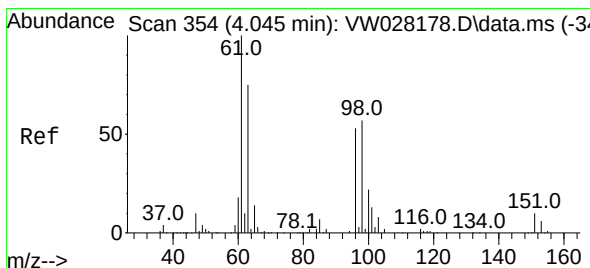
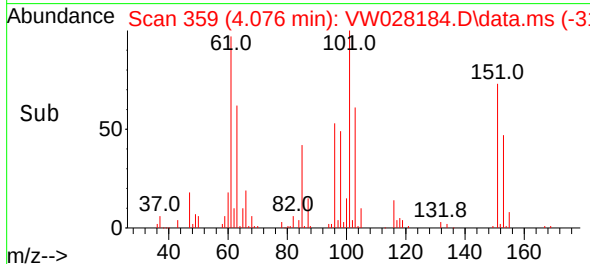
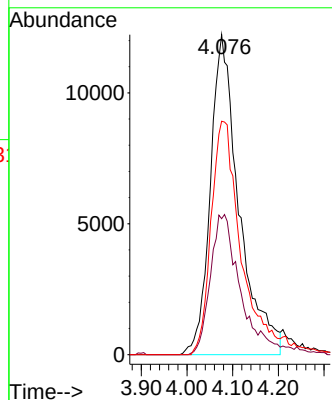
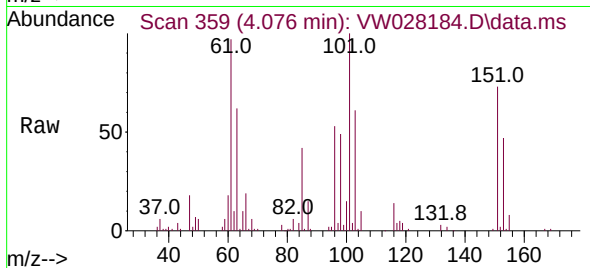
Tgt Ion:101 Resp: 53408

Ion Ratio Lower Upper

101 100

85 19.0 36.4 54.6#

151 75.0 58.4 87.6



#12

1,1-Dichloroethene

Concen: 19.685 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

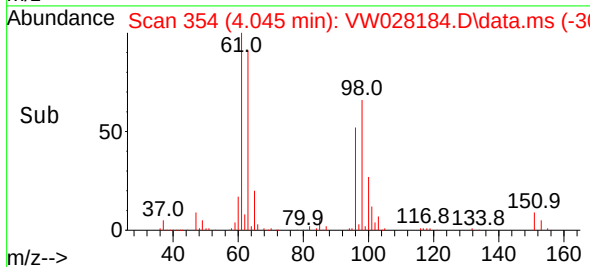
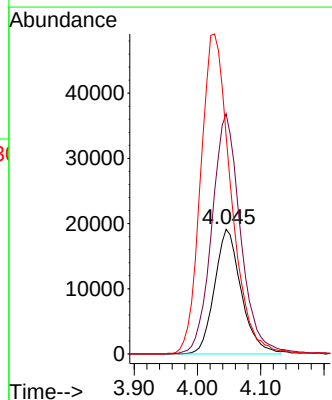
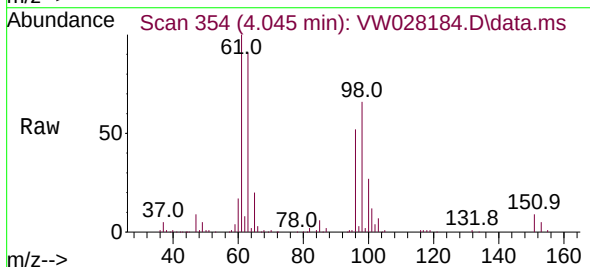
Tgt Ion: 96 Resp: 55918

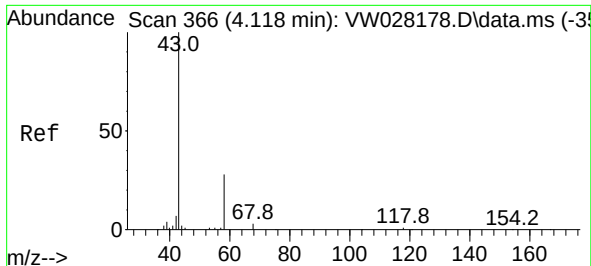
Ion Ratio Lower Upper

96 100

61 192.6 132.2 245.4

63 175.1 104.6 194.2

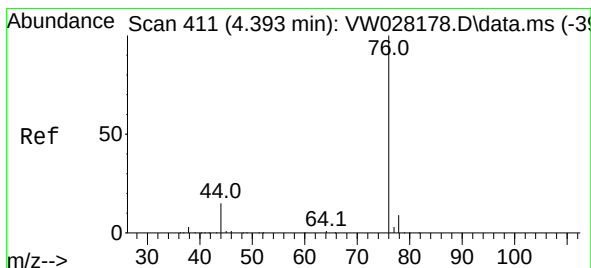
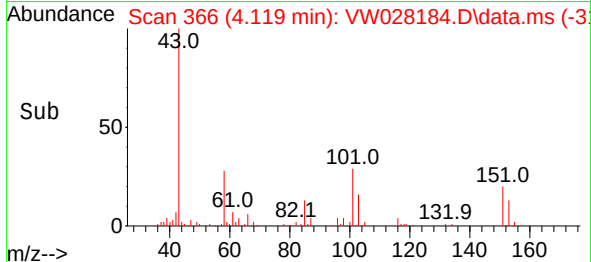
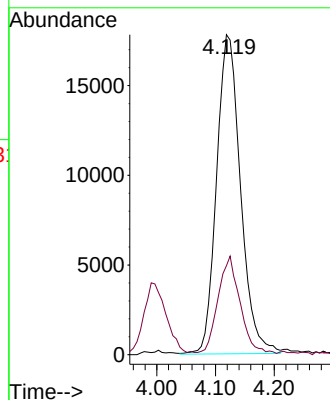
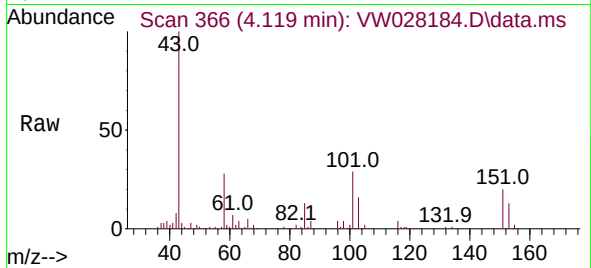




#13  
Acetone  
Concen: 59.927 ug/L  
RT: 4.119 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

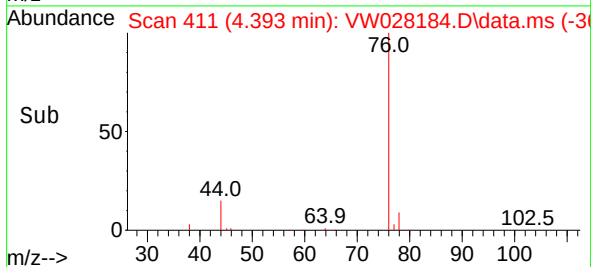
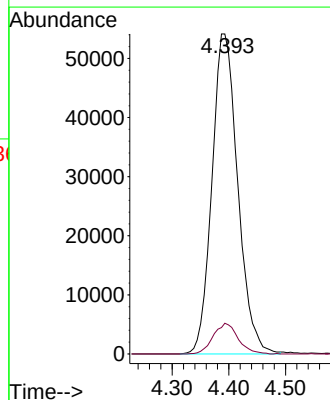
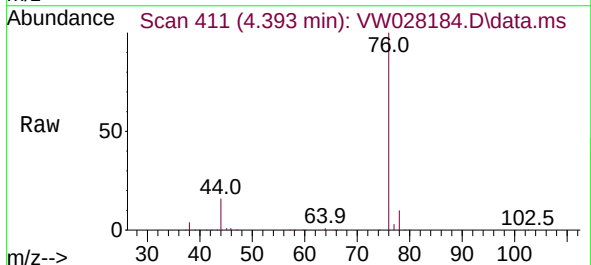
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 50511  
Ion Ratio Lower Upper  
43 100  
58 27.7 0.0 57.8

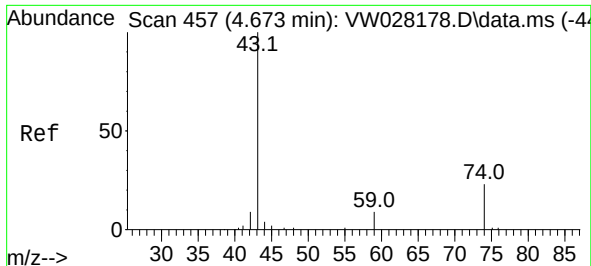


#14  
Carbon disulfide  
Concen: 19.343 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

Tgt Ion: 76 Resp: 171376  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.1 10.7







#15

Methyl Acetate

Concen: 24.294 ug/L

RT: 4.673 min Scan# 457

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

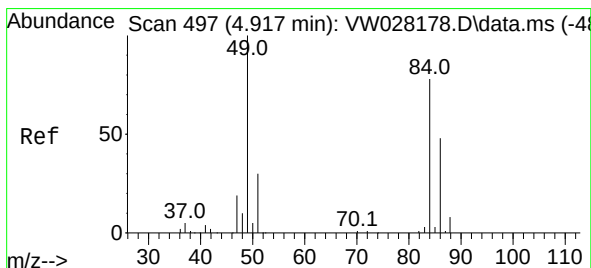
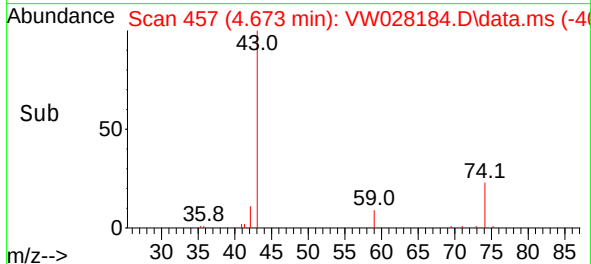
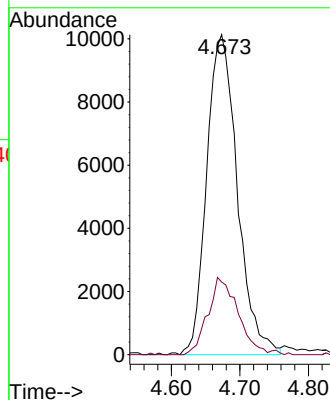
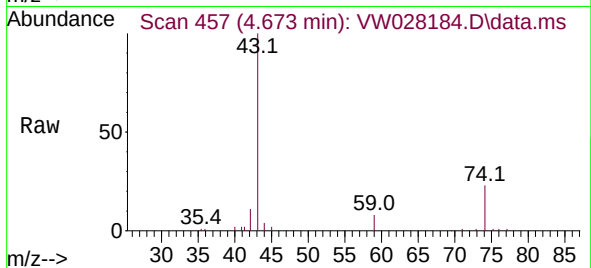
ClientSampleId :

Tgt Ion: 43 Resp: 31541

Ion Ratio Lower Upper

43 100

74 23.6 18.2 27.2



#16

Methylene chloride

Concen: 18.159 ug/L

RT: 4.917 min Scan# 497

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

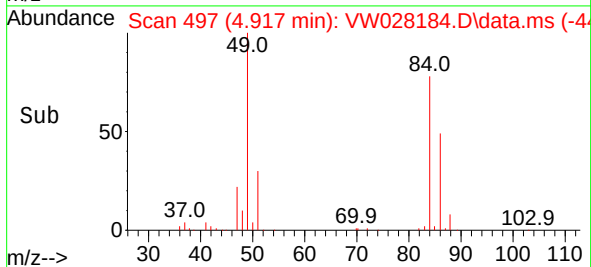
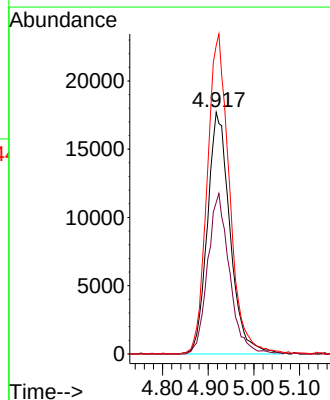
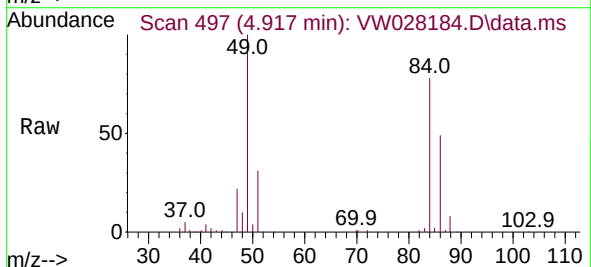
Tgt Ion: 84 Resp: 60797

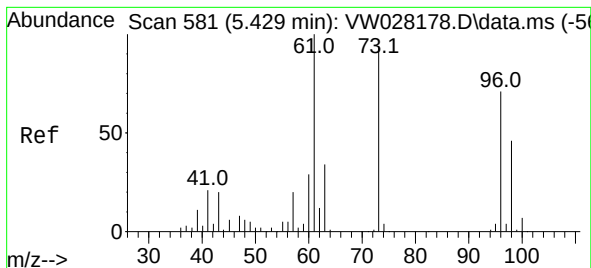
Ion Ratio Lower Upper

84 100

86 62.7 43.1 80.1

49 127.7 89.4 166.0





#17

trans-1,2-Dichloroethene

Concen: 19.684 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

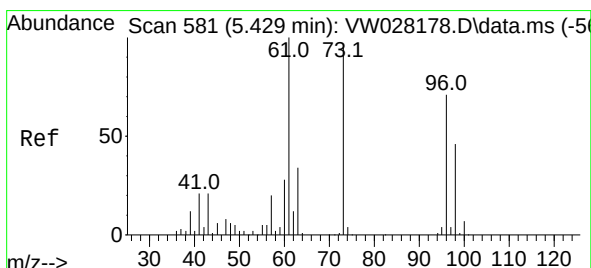
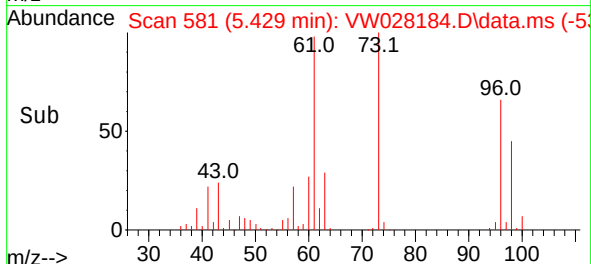
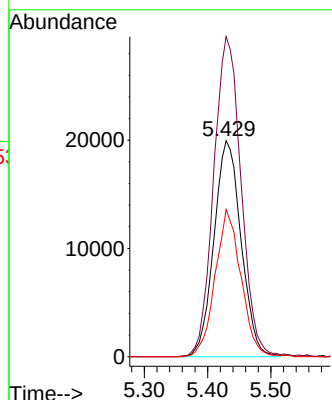
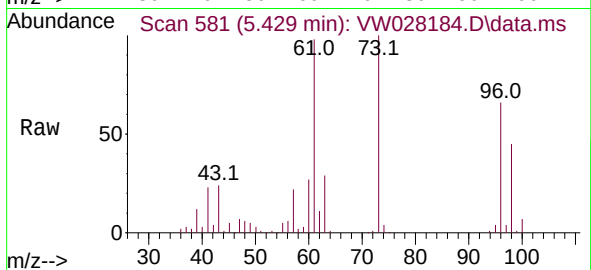
Tgt Ion: 96 Resp: 59423

Ion Ratio Lower Upper

96 100

61 148.1 98.4 182.8

98 68.1 45.6 84.8



#18

Methyl tert-butyl Ether

Concen: 23.420 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

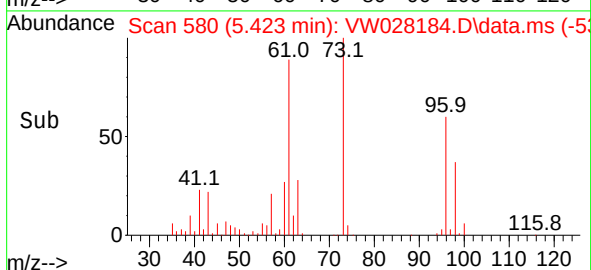
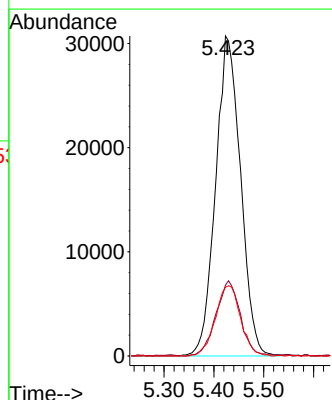
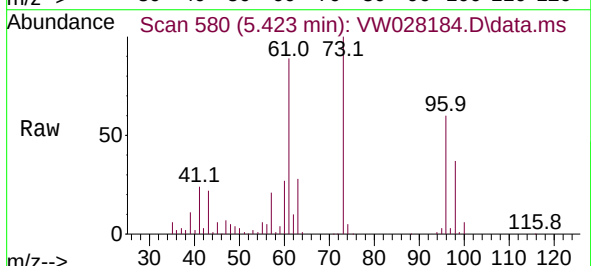
Tgt Ion: 73 Resp: 106671

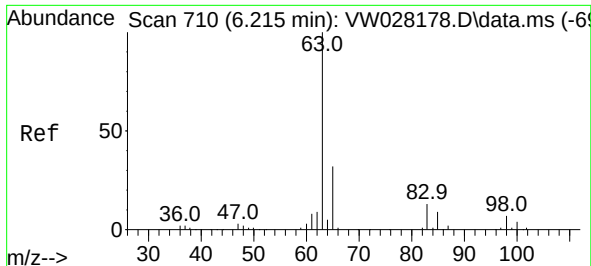
Ion Ratio Lower Upper

73 100

43 22.9 18.2 27.4

57 22.3 17.4 26.2





#19

1,1-Dichloroethane

Concen: 20.159 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

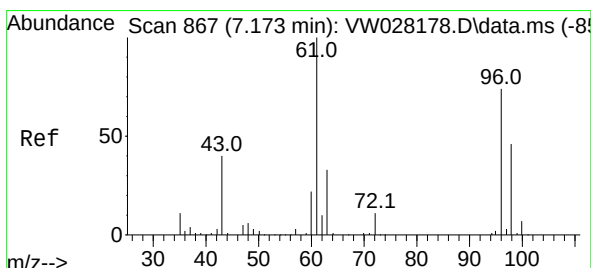
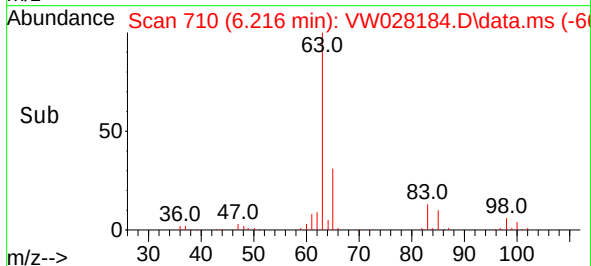
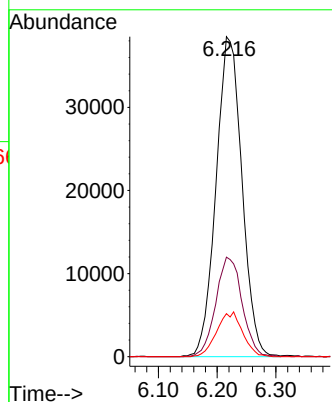
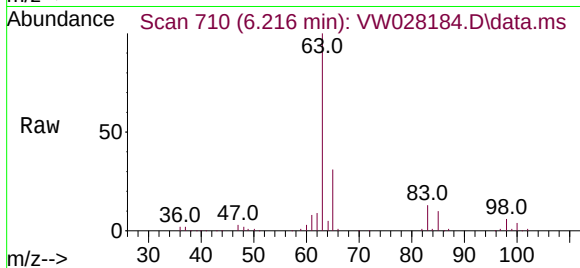
Tgt Ion: 63 Resp: 117812

Ion Ratio Lower Upper

63 100

65 31.1 22.1 41.1

83 13.5 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 20.127 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

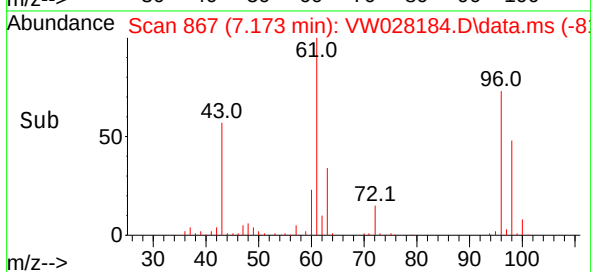
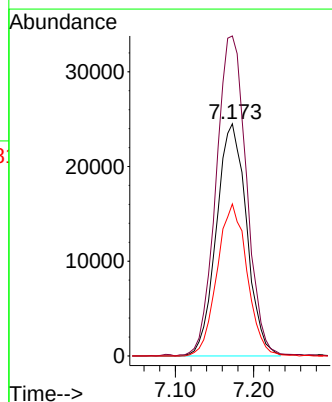
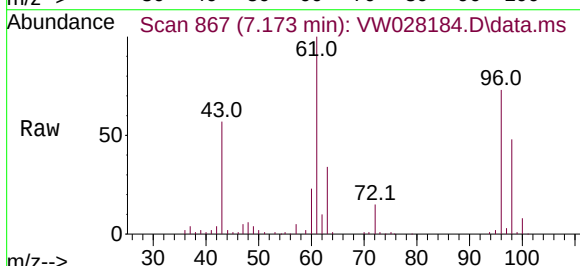
Tgt Ion: 96 Resp: 65622

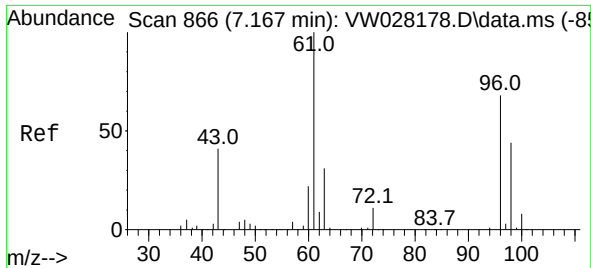
Ion Ratio Lower Upper

96 100

61 137.8 95.7 177.7

98 65.5 43.9 81.5

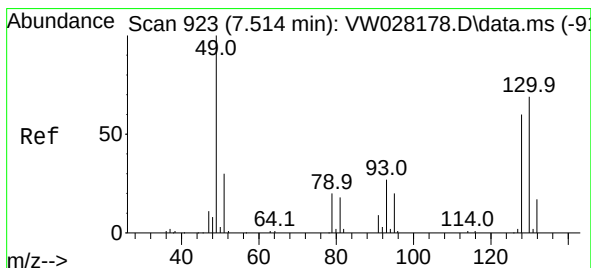
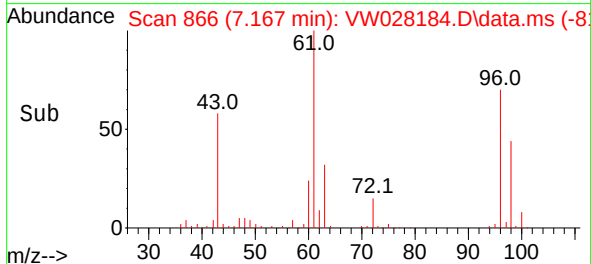
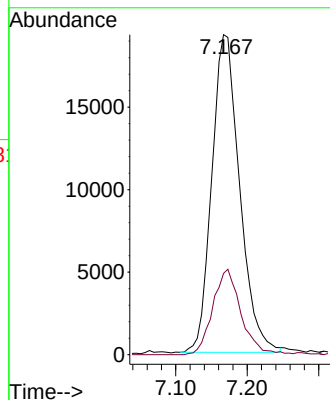
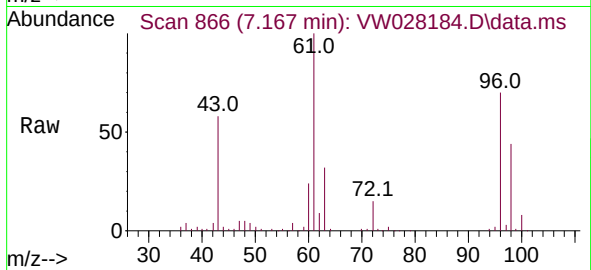




#22  
2-Butanone  
Concen: 54.350 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

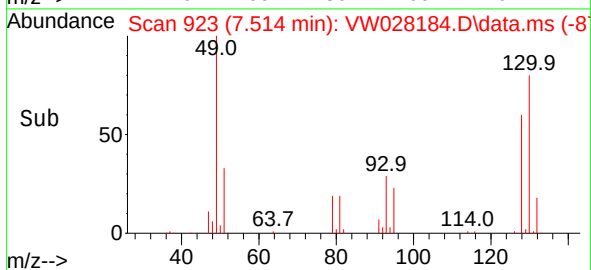
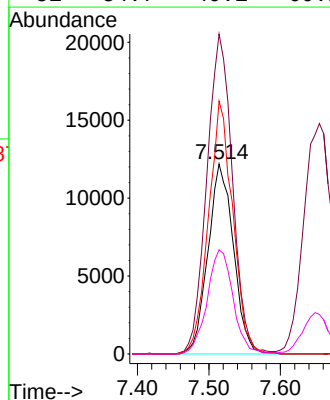
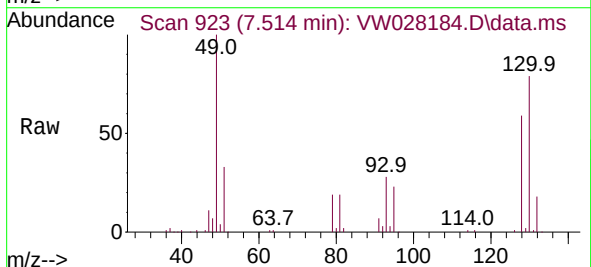
Instrument :  
MSVOA\_W  
ClientSampleId :

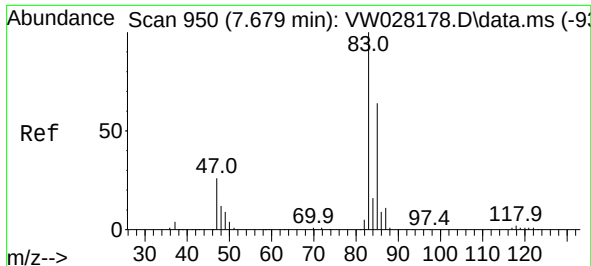
Tgt Ion: 43 Resp: 52012  
Ion Ratio Lower Upper  
43 100  
72 26.7 12.8 38.4



#23  
Bromochloromethane  
Concen: 20.918 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

Tgt Ion: 128 Resp: 30151  
Ion Ratio Lower Upper  
128 100  
49 168.3 116.6 216.6  
130 133.0 80.1 148.7  
51 54.7 40.1 60.1





#25

Chloroform

Concen: 20.275 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

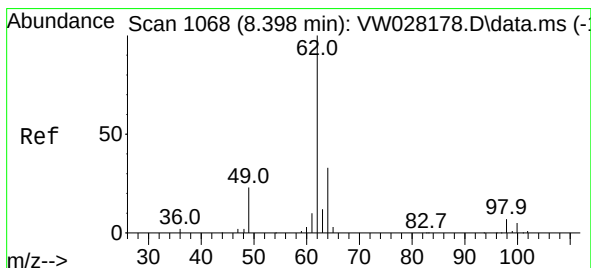
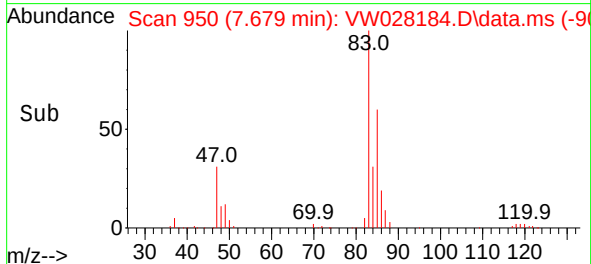
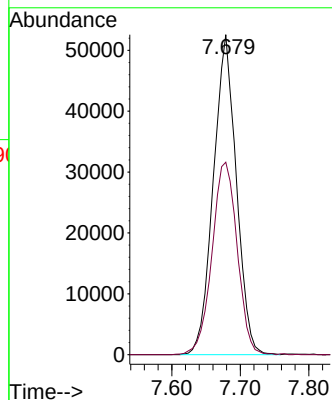
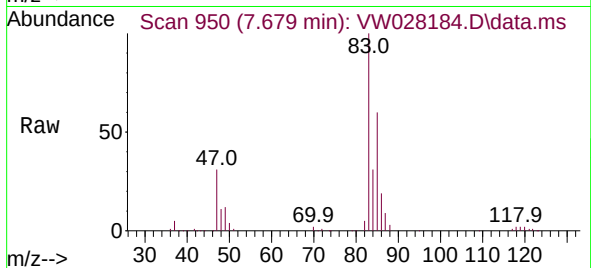
ClientSampleId :

Tgt Ion: 83 Resp: 121986

Ion Ratio Lower Upper

83 100

85 60.1 44.5 82.7



#27

1,2-Dichloroethane

Concen: 21.435 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW028184.D

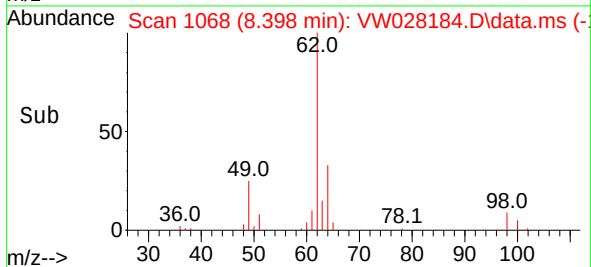
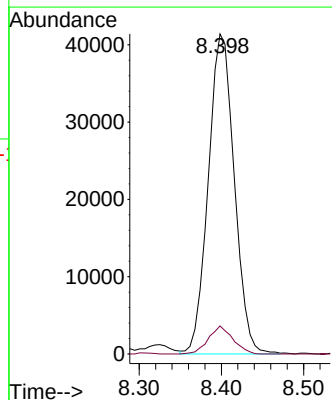
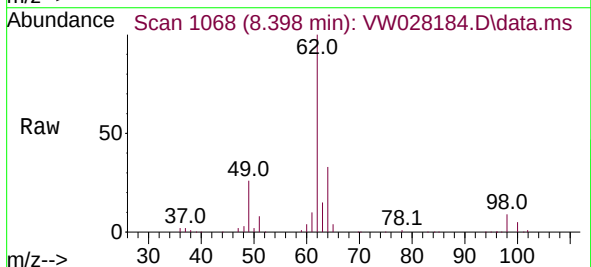
Acq: 14 Mar 2024 17:27

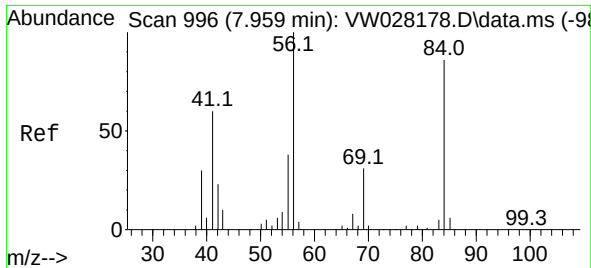
Tgt Ion: 62 Resp: 91076

Ion Ratio Lower Upper

62 100

98 8.7 5.9 8.9





#29

Cyclohexane

Concen: 16.458 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

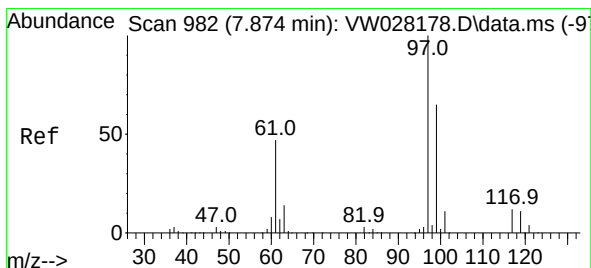
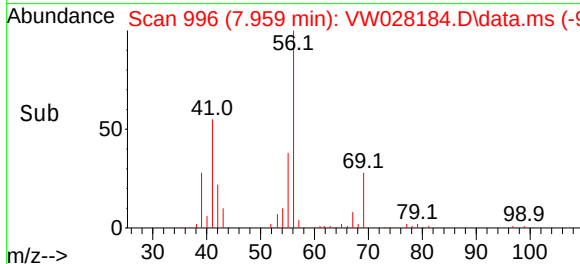
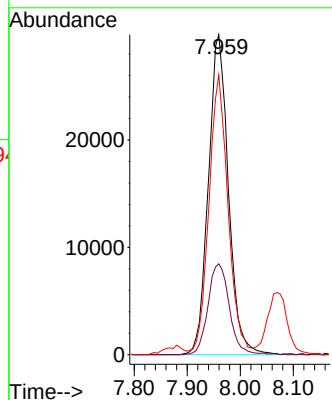
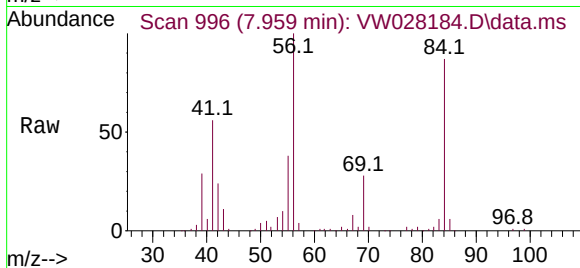
Tgt Ion: 56 Resp: 78342

Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

84 83.3 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 21.402 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

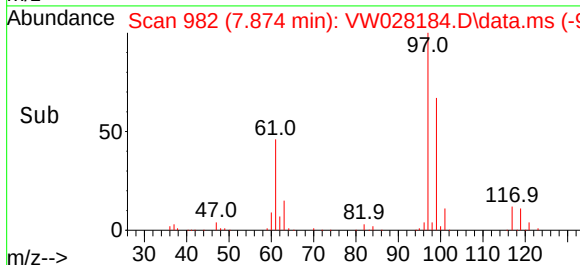
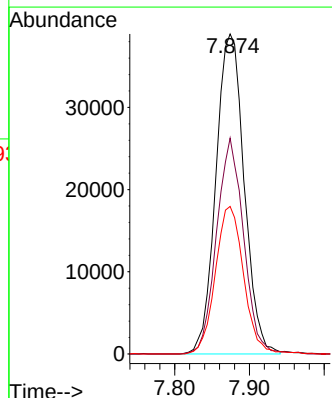
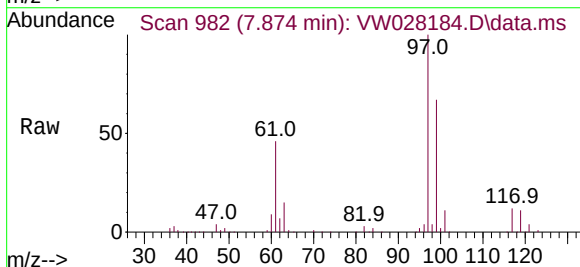
Tgt Ion: 97 Resp: 102385

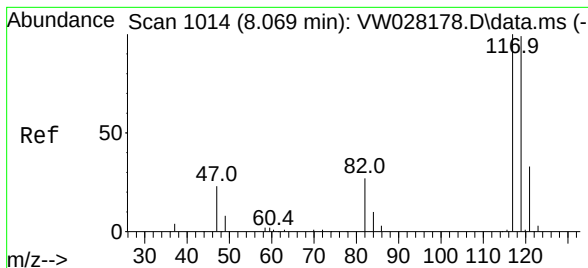
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 45.8 37.0 55.6





#31

Carbon tetrachloride

Concen: 19.669 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

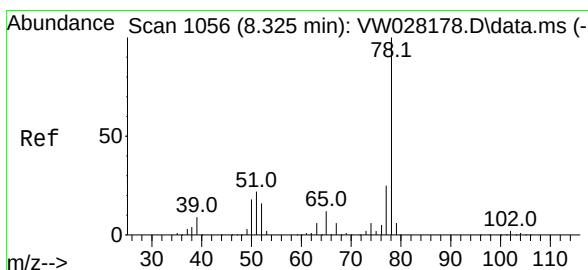
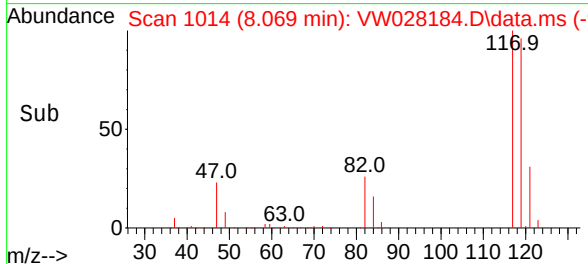
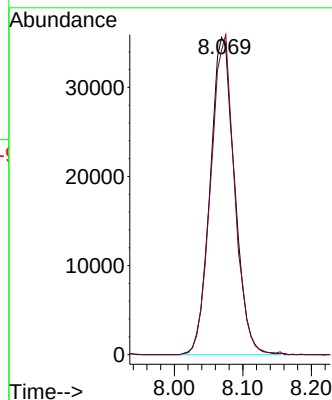
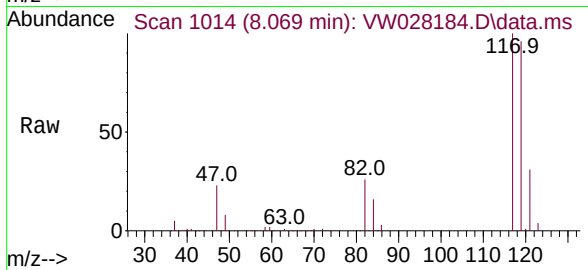
ClientSampleId :

Tgt Ion:117 Resp: 88259

Ion Ratio Lower Upper

117 100

119 98.0 78.2 117.4



#33

Benzene

Concen: 22.047 ug/L

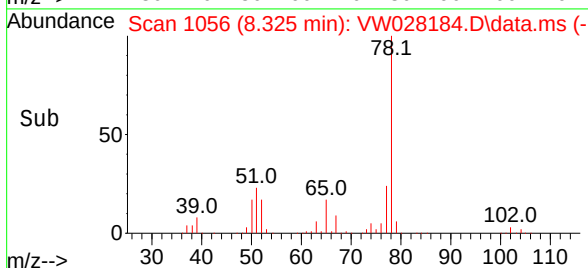
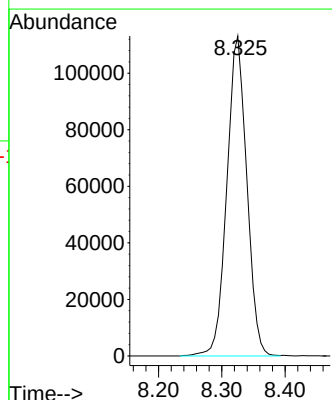
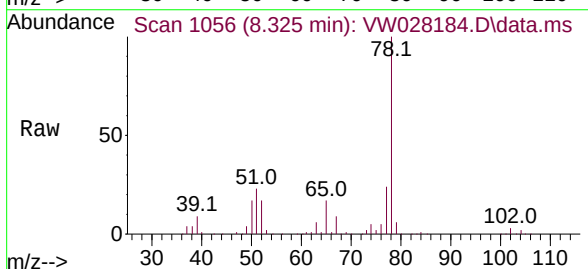
RT: 8.325 min Scan# 1056

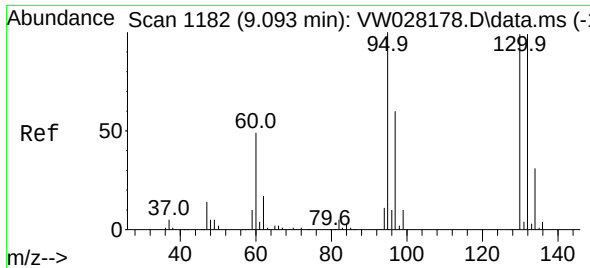
Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Tgt Ion: 78 Resp: 247593





#34

Trichloroethene

Concen: 20.714 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 64899

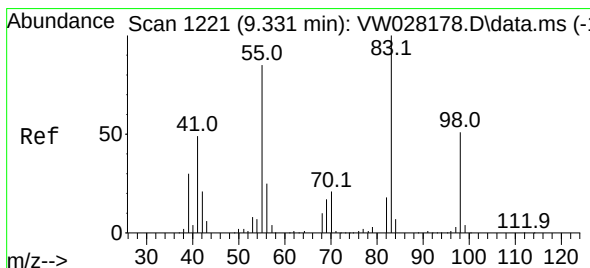
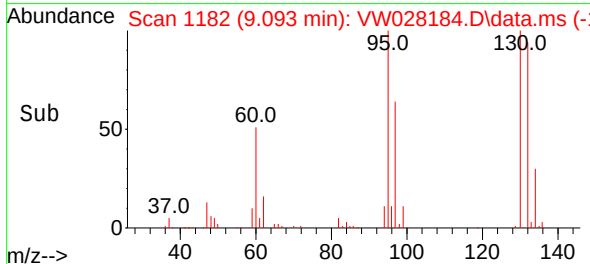
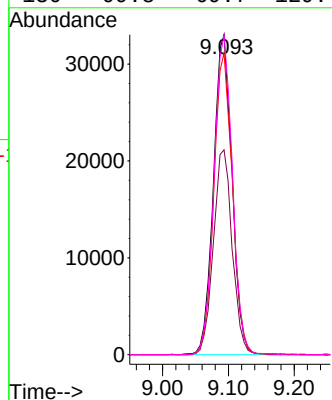
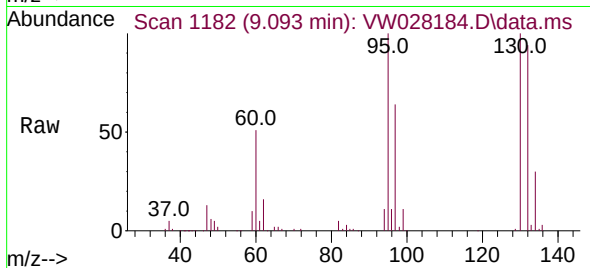
Ion Ratio Lower Upper

95 100

97 64.0 42.4 78.6

132 94.3 69.4 128.8

130 99.8 69.7 129.4



#35

Methylcyclohexane

Concen: 11.344 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

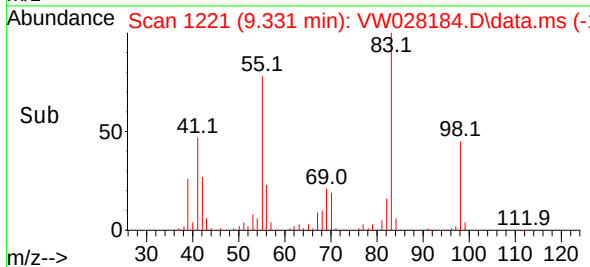
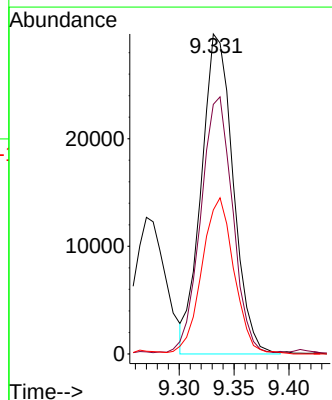
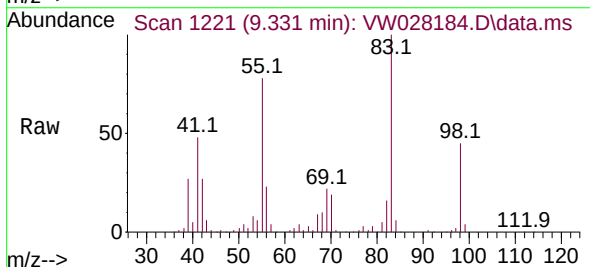
Tgt Ion: 83 Resp: 60076

Ion Ratio Lower Upper

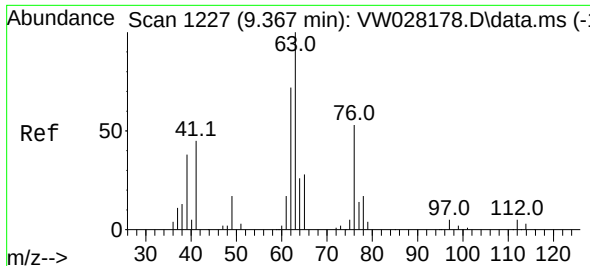
83 100

55 80.8 64.2 96.4

98 49.3 38.3 57.5







#37

1,2-Dichloropropane

Concen: 22.181 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

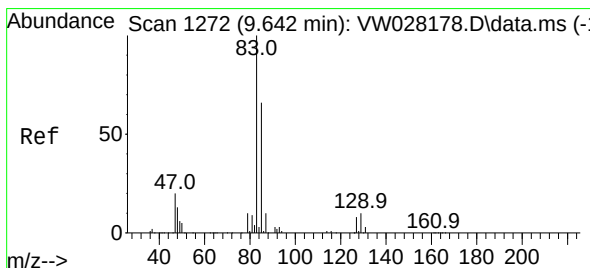
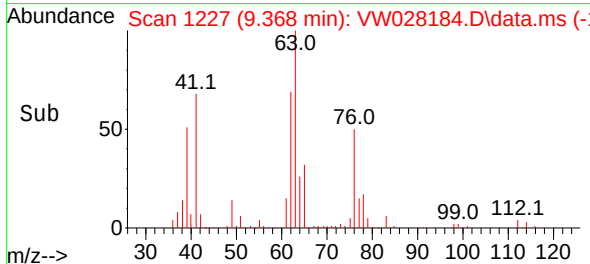
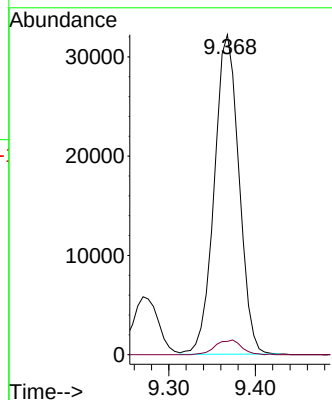
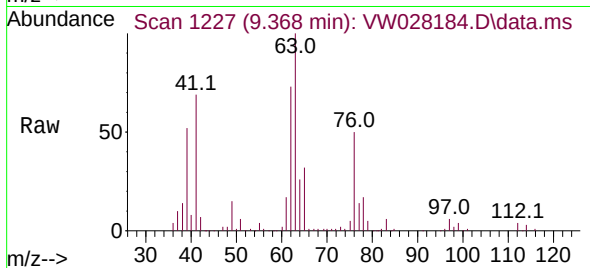
ClientSampleId :

Tgt Ion: 63 Resp: 63714

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



#38

Bromodichloromethane

Concen: 22.299 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

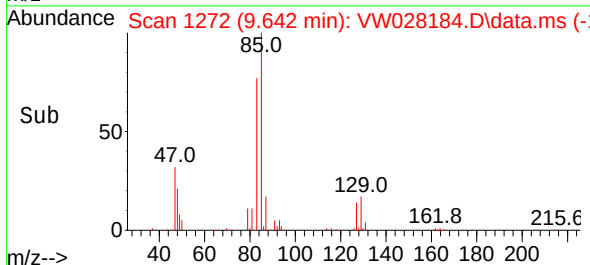
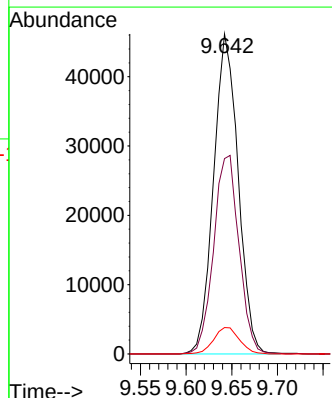
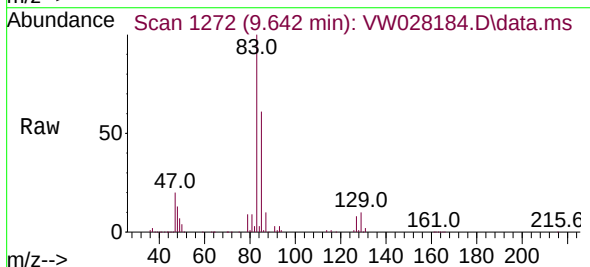
Tgt Ion: 83 Resp: 86357

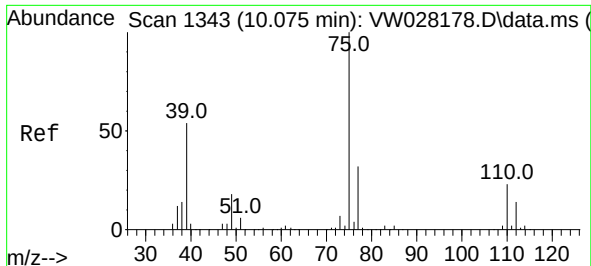
Ion Ratio Lower Upper

83 100

85 61.0 45.8 85.2

127 8.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 23.082 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

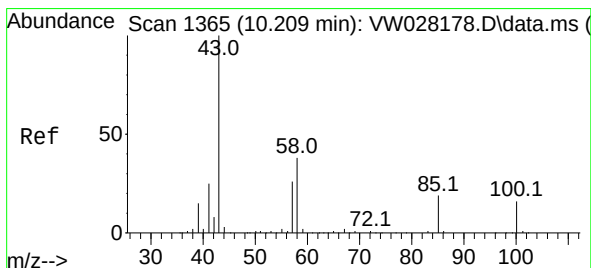
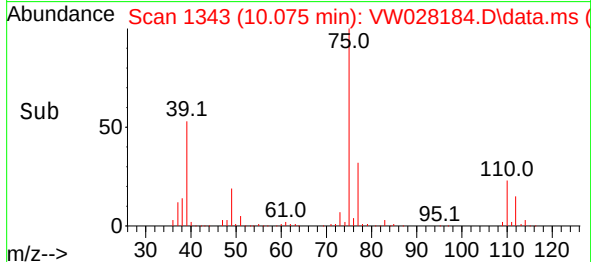
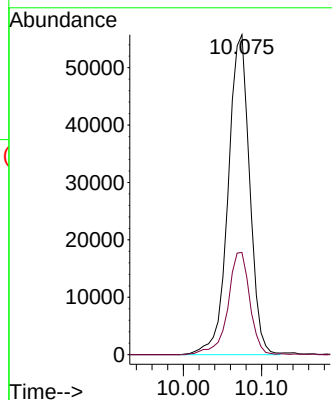
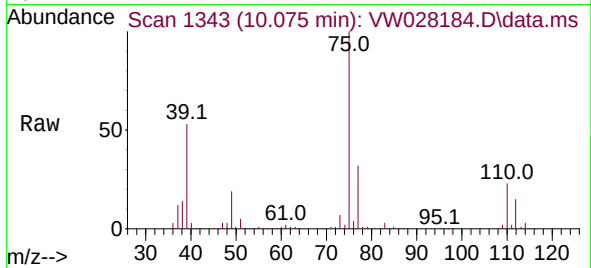
ClientSampleId :

Tgt Ion: 75 Resp: 106181

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 57.918 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

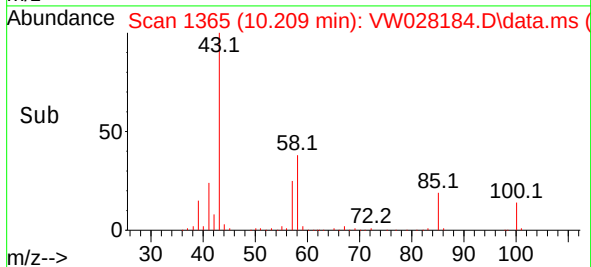
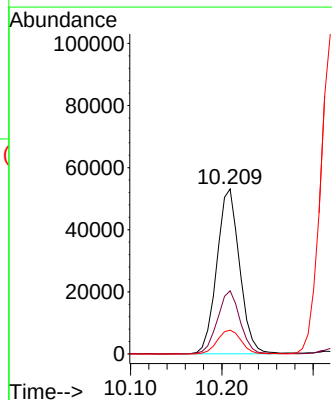
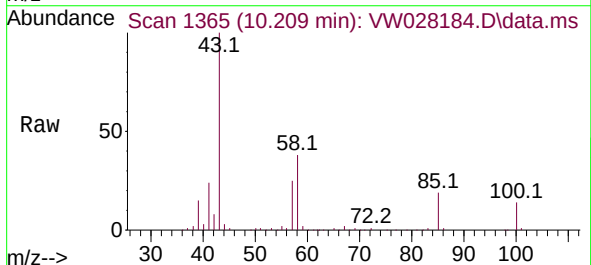
Tgt Ion: 43 Resp: 91831

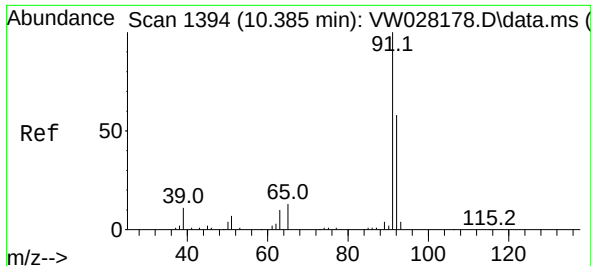
Ion Ratio Lower Upper

43 100

58 38.3 30.1 45.1

100 15.2 11.8 17.8





#42

Toluene

Concen: 20.761 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

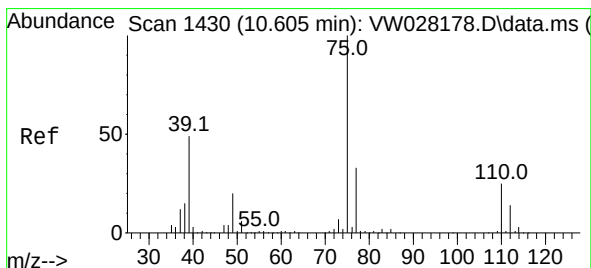
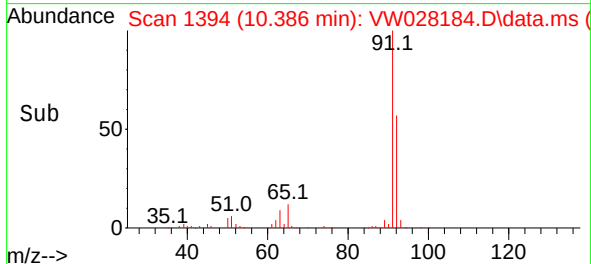
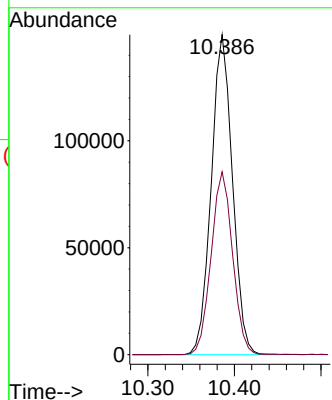
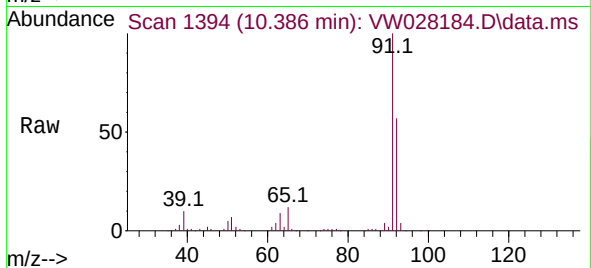
ClientSampleId :

Tgt Ion: 91 Resp: 254452

Ion Ratio Lower Upper

91 100

92 57.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 23.905 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028184.D

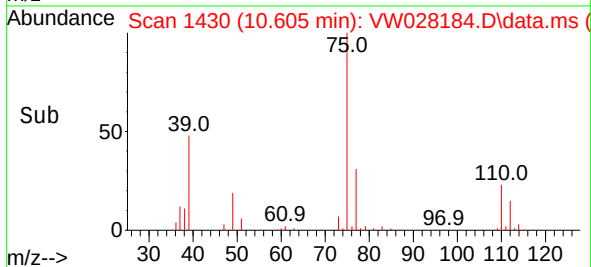
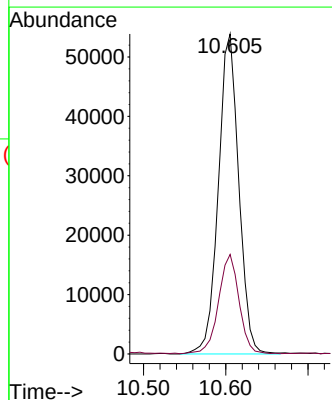
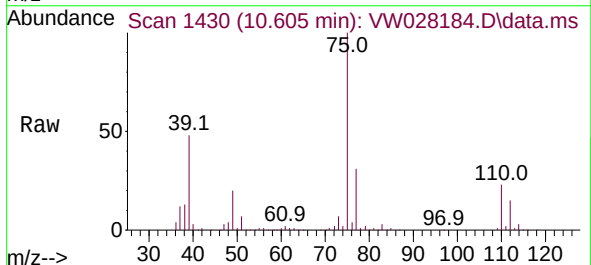
Acq: 14 Mar 2024 17:27

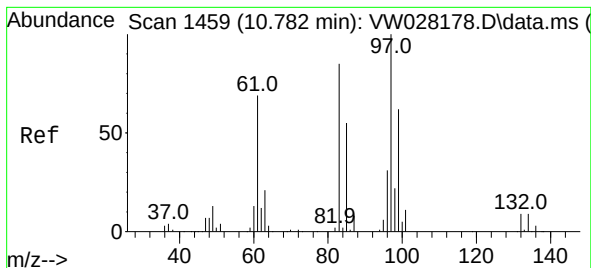
Tgt Ion: 75 Resp: 92842

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 24.090 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 49996

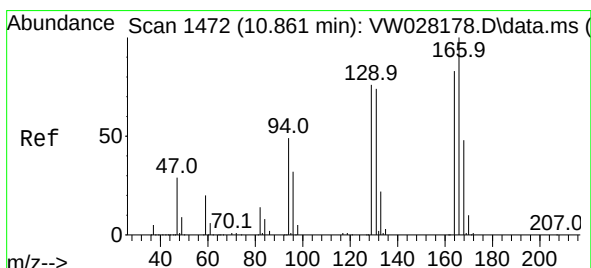
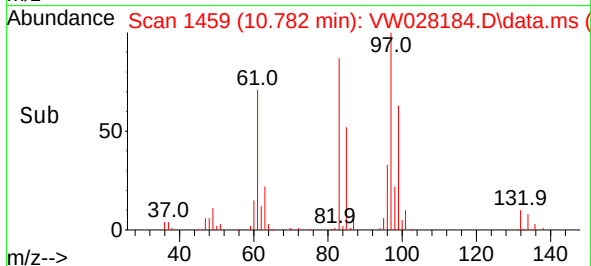
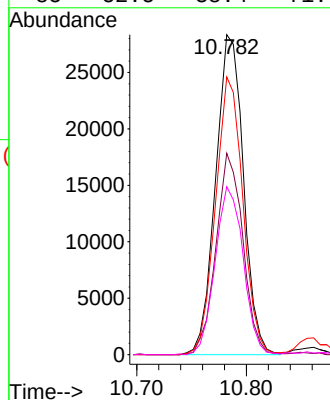
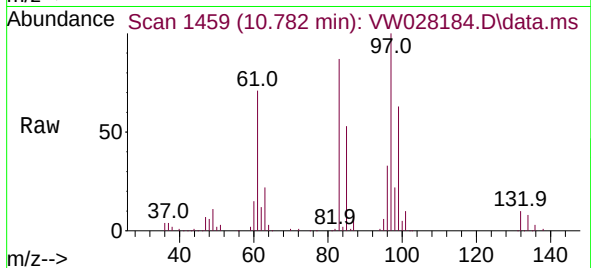
Ion Ratio Lower Upper

97 100

99 63.0 43.4 80.6

83 86.8 59.4 110.4

85 52.5 38.4 71.4



#46

Tetrachloroethene

Concen: 42.876 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Tgt Ion: 164 Resp: 108285

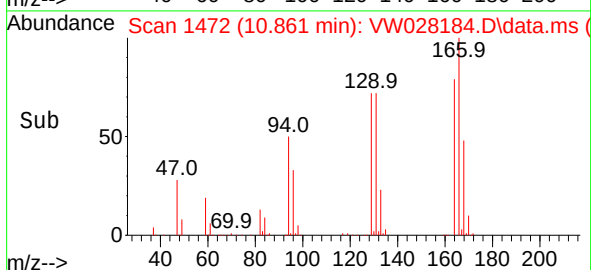
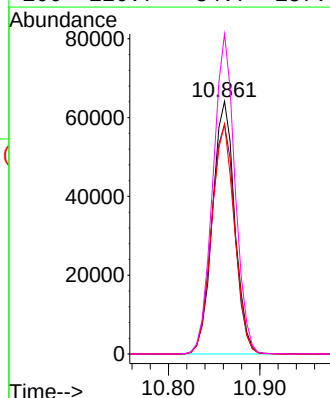
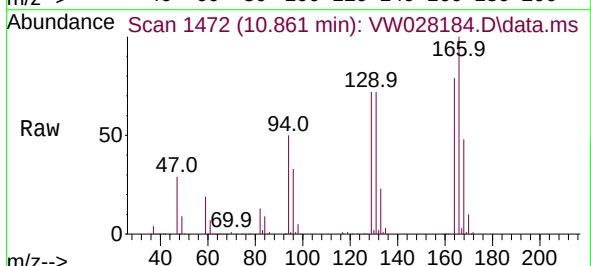
Ion Ratio Lower Upper

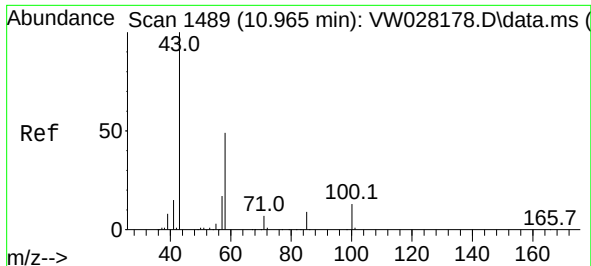
164 100

129 90.9 64.0 119.0

131 91.0 62.6 116.3

166 126.7 84.7 157.3

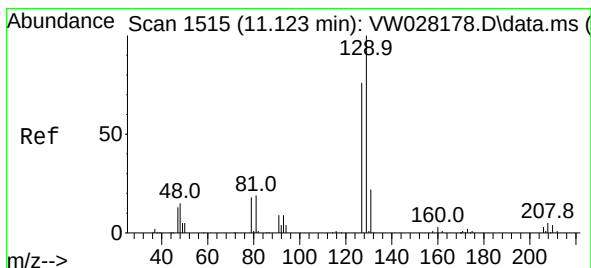
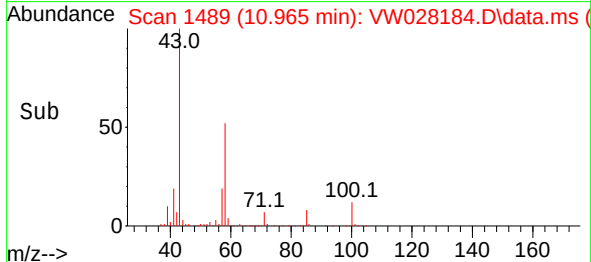
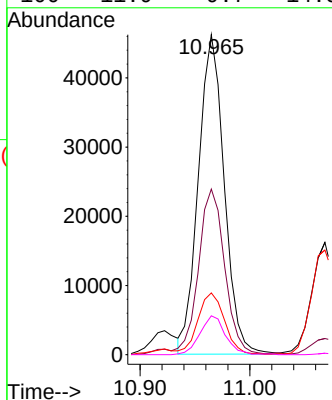
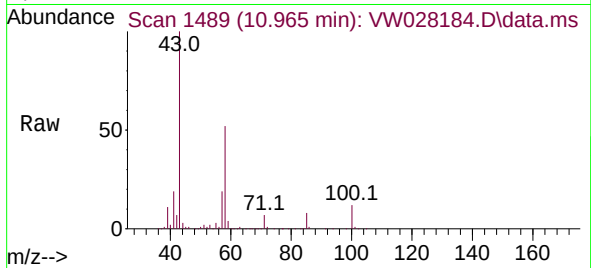




#48  
2-Hexanone  
Concen: 60.882 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

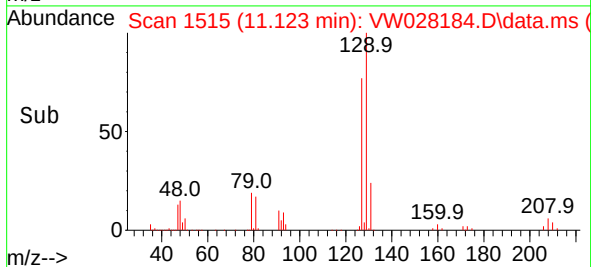
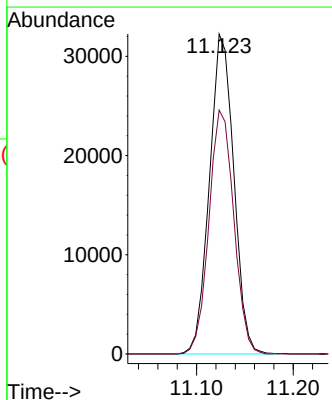
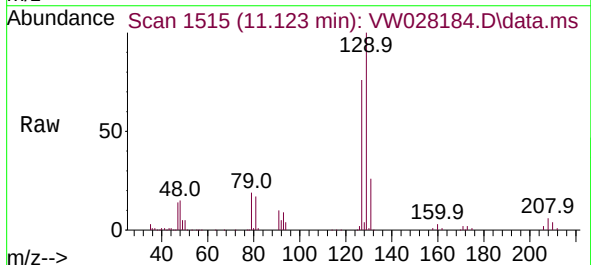
Instrument :  
MSVOA\_W  
ClientSampleId :

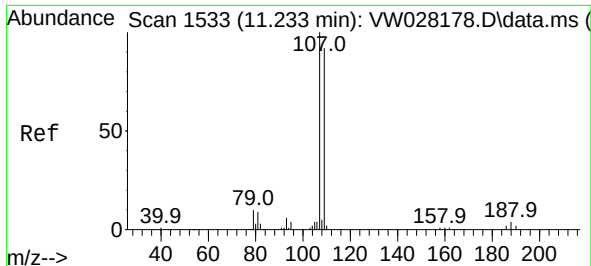
|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 75617    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 52.6 40.6 61.0 |
| 57          | 20.0 15.7 23.5 |
| 100         | 11.9 9.7 14.5  |



#49  
Dibromochloromethane  
Concen: 22.960 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

|              |                |
|--------------|----------------|
| Tgt Ion: 129 | Resp: 56432    |
| Ion Ratio    | Lower Upper    |
| 129          | 100            |
| 127          | 76.2 53.1 98.7 |





#50

1,2-Dibromoethane

Concen: 24.232 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW028184.D

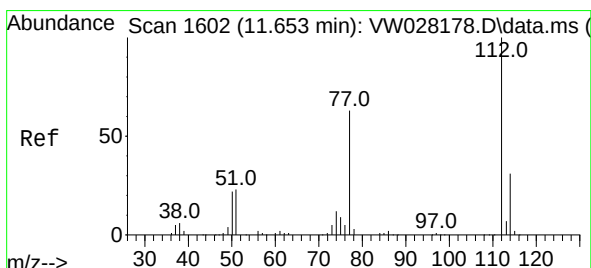
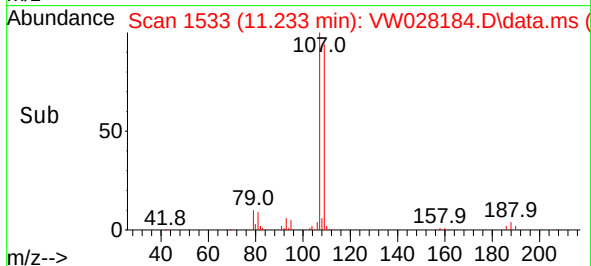
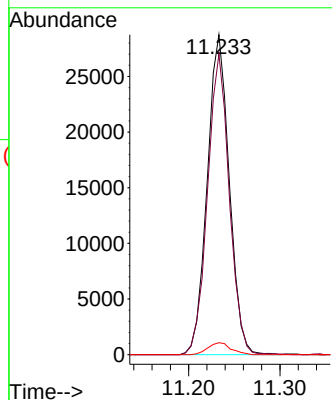
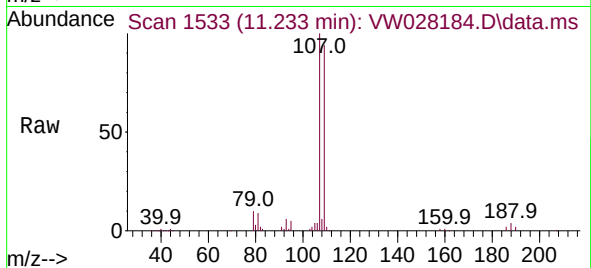
Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 48087      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 93.9  | 64.4 119.6 |
| 188         | 3.7   | 3.4 5.2    |



#51

Chlorobenzene

Concen: 19.397 ug/L

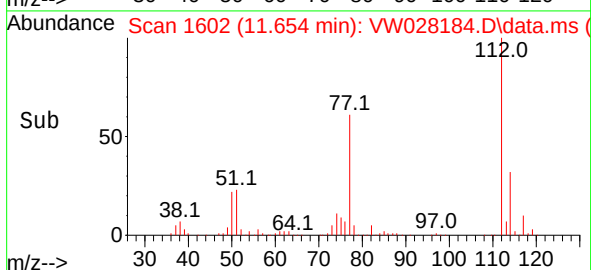
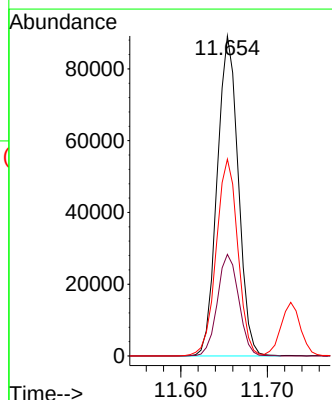
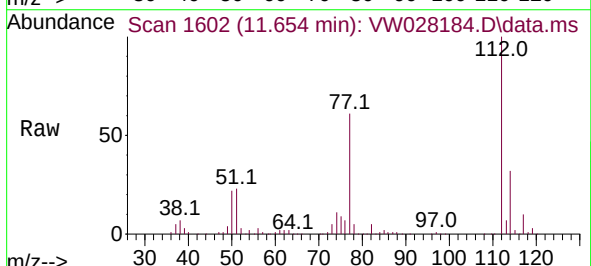
RT: 11.654 min Scan# 1602

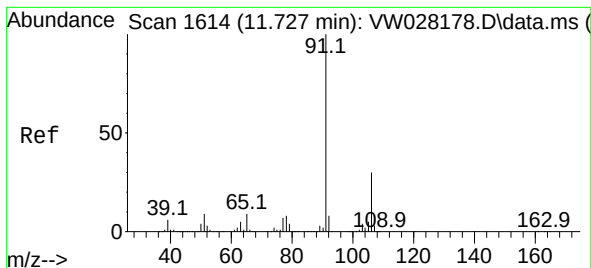
Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 150897    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 31.7  | 21.8 40.6 |
| 77          | 61.5  | 50.6 76.0 |





#52

Ethylbenzene

Concen: 17.809 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

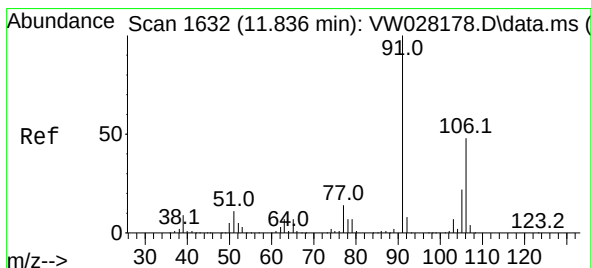
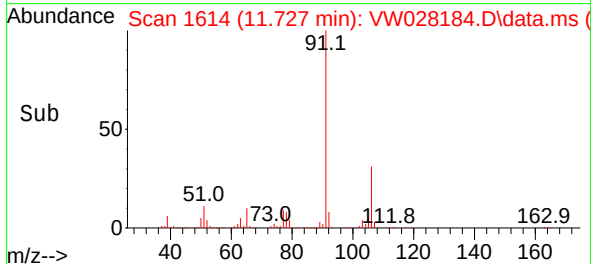
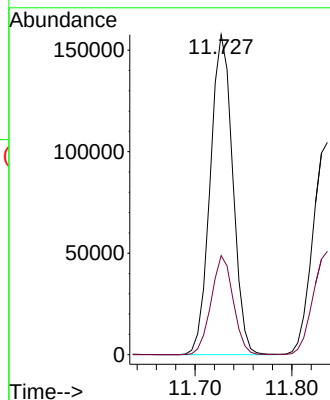
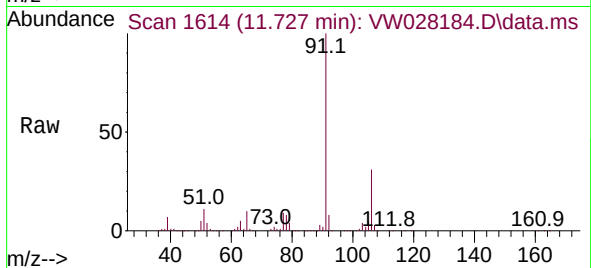
ClientSampleId :

Tgt Ion: 91 Resp: 254809

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



#53

m,p-Xylene

Concen: 17.971 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW028184.D

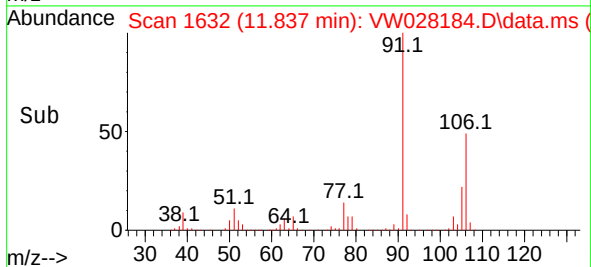
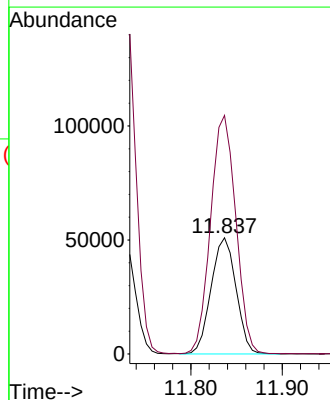
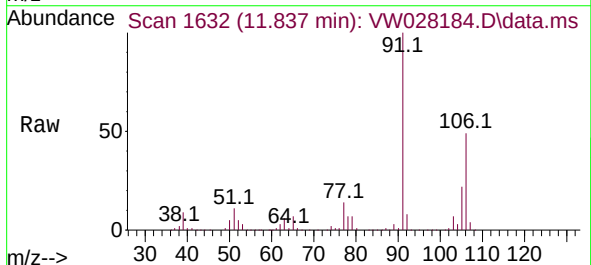
Acq: 14 Mar 2024 17:27

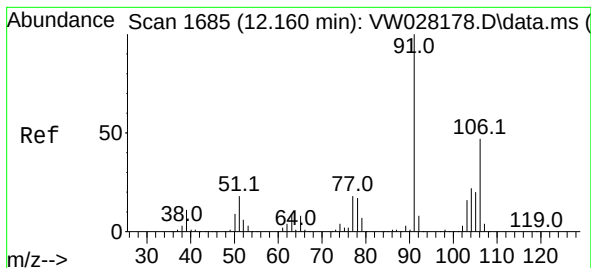
Tgt Ion:106 Resp: 96758

Ion Ratio Lower Upper

106 100

91 205.4 147.1 273.1





#54

o-Xylene

Concen: 18.047 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

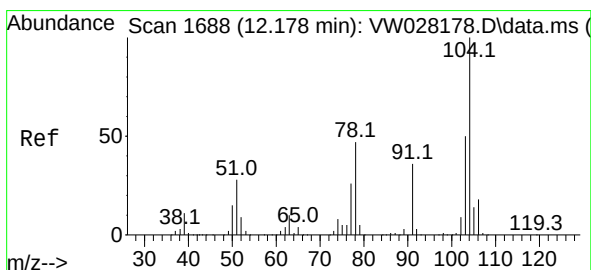
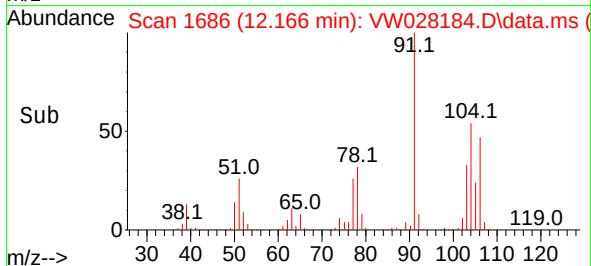
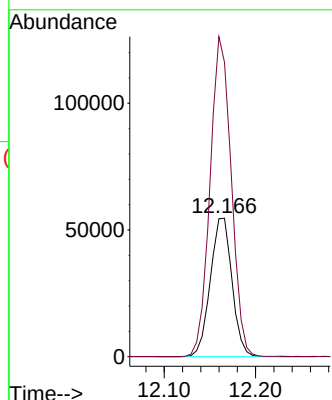
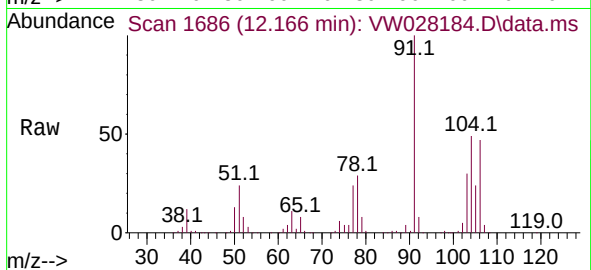
ClientSampleId :

Tgt Ion:106 Resp: 90108

Ion Ratio Lower Upper

106 100

91 212.5 149.2 277.2



#55

Styrene

Concen: 19.051 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW028184.D

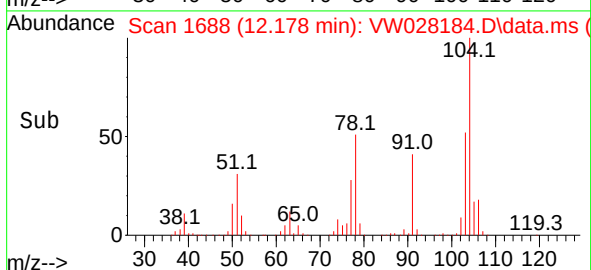
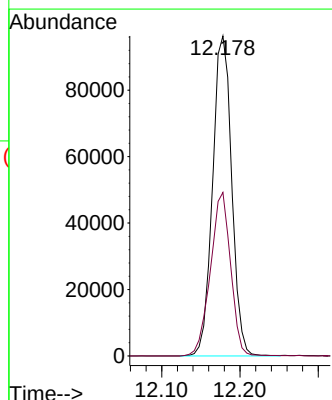
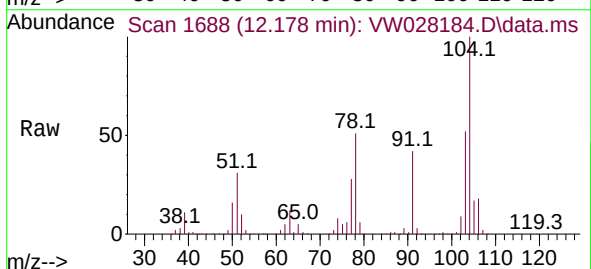
Acq: 14 Mar 2024 17:27

Tgt Ion:104 Resp: 163384

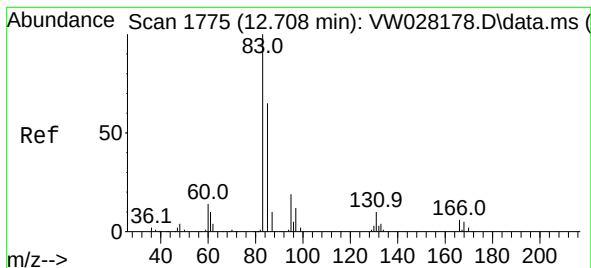
Ion Ratio Lower Upper

104 100

78 51.1 33.2 61.7



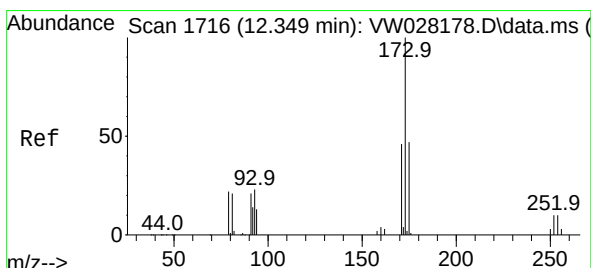
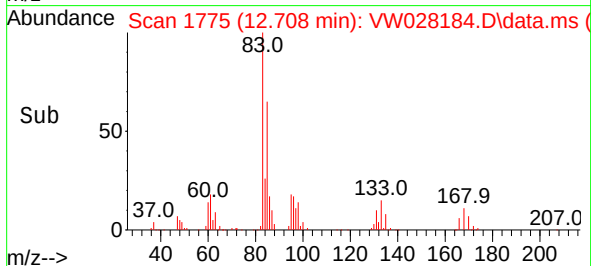
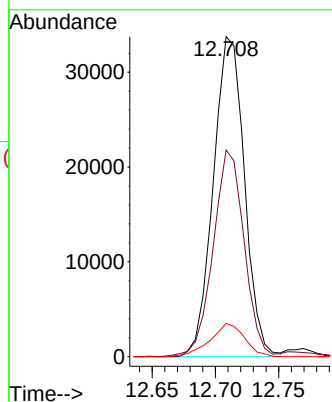
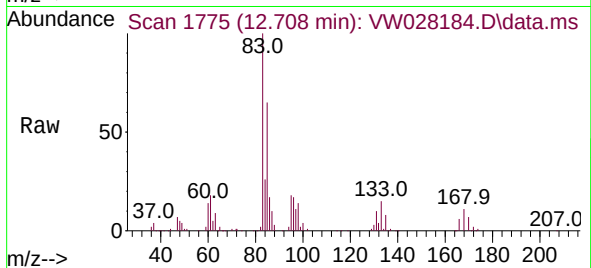




#57  
1,1,2,2-Tetrachloroethane  
Concen: 24.344 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

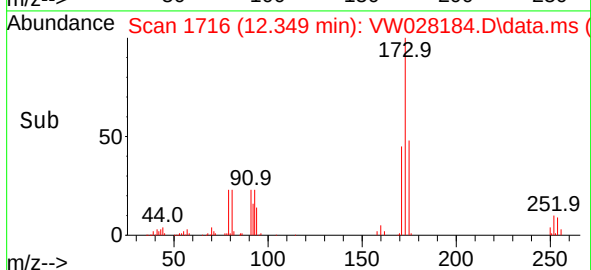
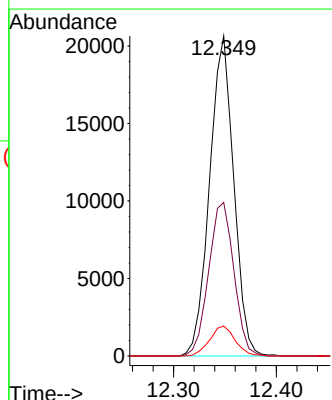
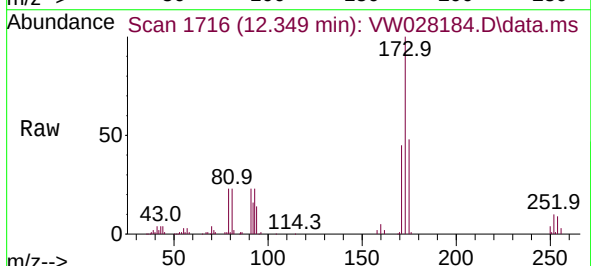
Instrument :  
MSVOA\_W  
ClientSampleId :

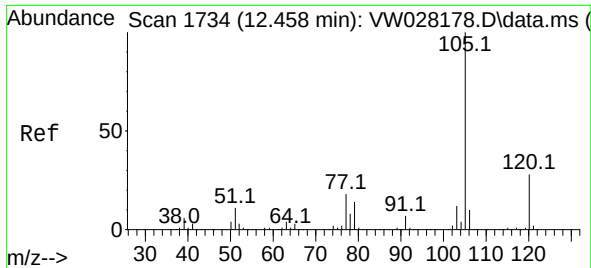
Tgt Ion: 83 Resp: 57788  
Ion Ratio Lower Upper  
83 100  
85 64.6 47.0 87.2  
131 10.4 8.9 13.3



#59  
Bromoform  
Concen: 32.661 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

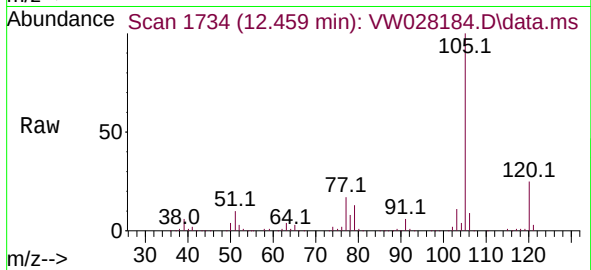
Tgt Ion:173 Resp: 33719  
Ion Ratio Lower Upper  
173 100  
175 50.1 39.8 59.6  
254 9.9 8.5 12.7



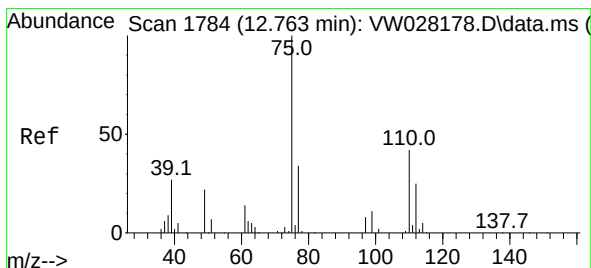
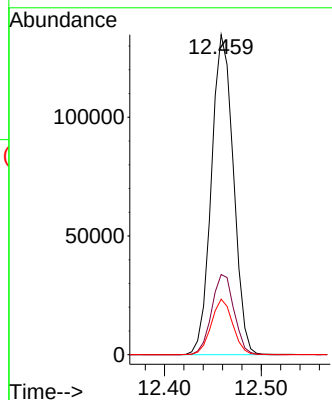
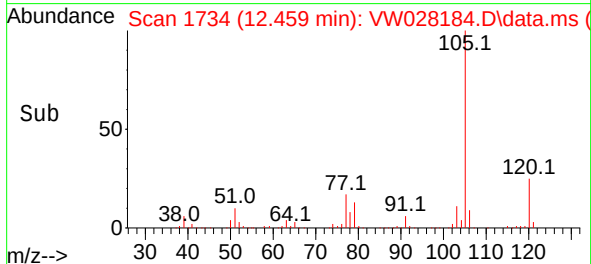


#60  
Isopropylbenzene  
Concen: 20.806 ug/L  
RT: 12.459 min Scan# 1734  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

Instrument :  
MSVOA\_W  
ClientSampleId :

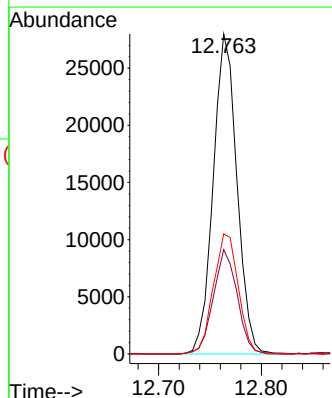
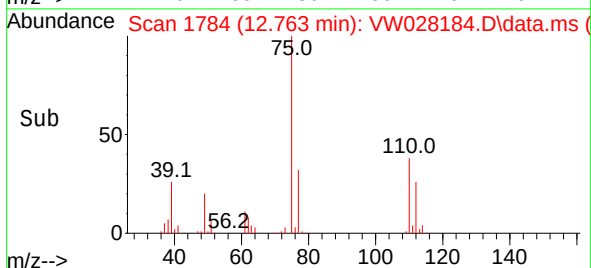
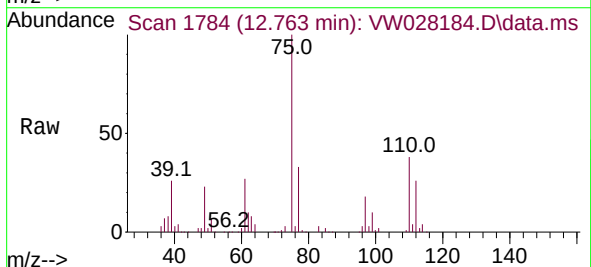


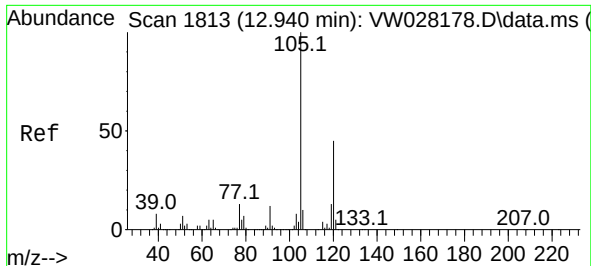
Tgt Ion:105 Resp: 212977  
Ion Ratio Lower Upper  
105 100  
120 25.4 21.0 31.6  
77 16.9 13.7 20.5



#61  
1,2,3-Trichloropropane  
Concen: 34.076 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

Tgt Ion: 75 Resp: 44806  
Ion Ratio Lower Upper  
75 100  
77 32.9 26.0 39.0  
110 39.4 32.2 48.2

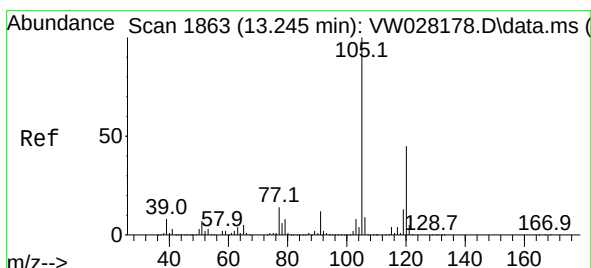
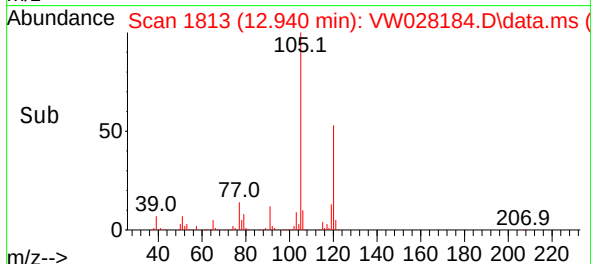
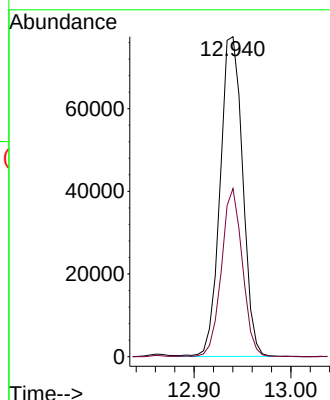
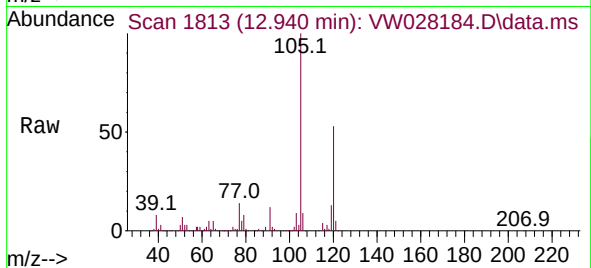




#62  
1,3,5-Trimethylbenzene  
Concen: 18.202 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

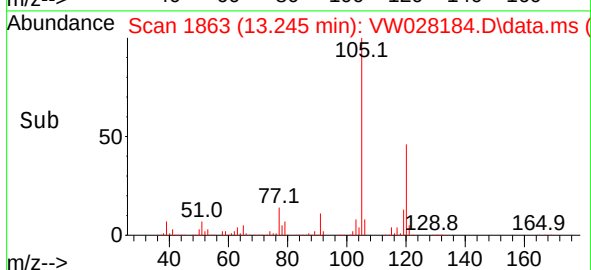
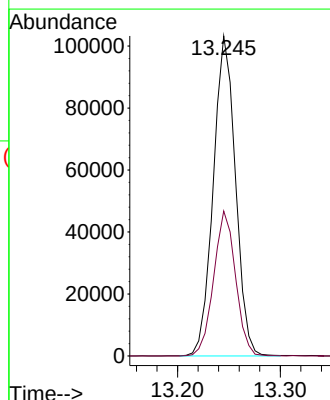
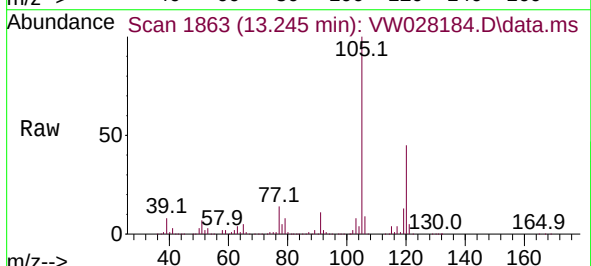
Instrument :  
MSVOA\_W  
ClientSampleId :

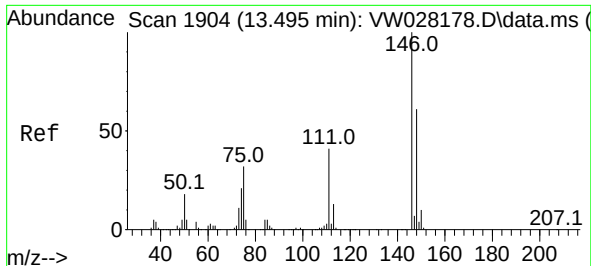
Tgt Ion:105 Resp: 125022  
Ion Ratio Lower Upper  
105 100  
120 48.9 38.2 57.2



#63  
1,2,4-Trimethylbenzene  
Concen: 18.650 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

Tgt Ion:105 Resp: 154675  
Ion Ratio Lower Upper  
105 100  
120 44.6 35.6 53.4

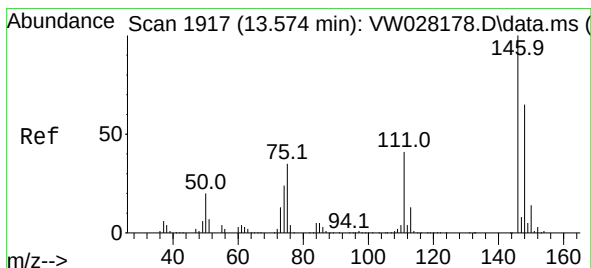
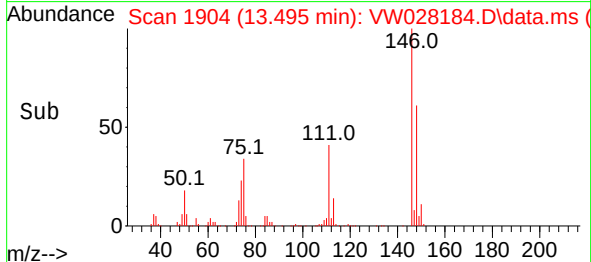
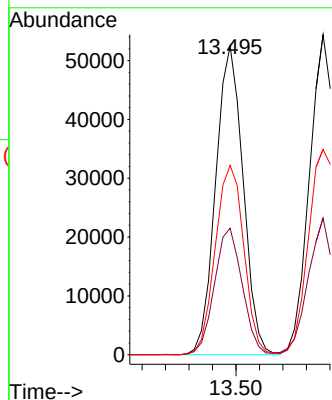
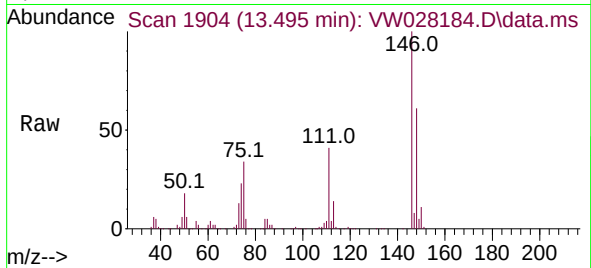




#64  
1,3-Dichlorobenzene  
Concen: 18.662 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

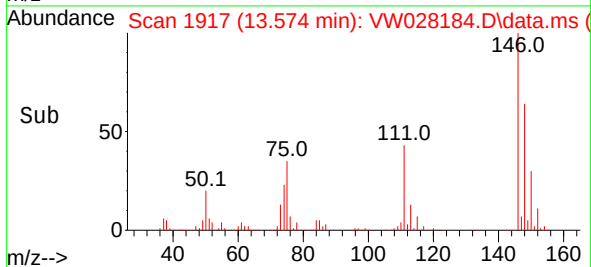
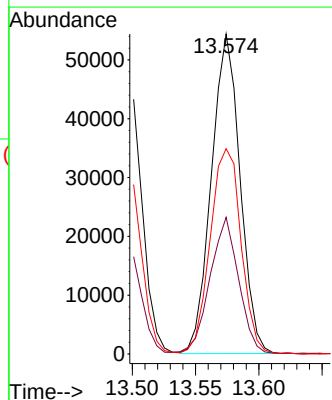
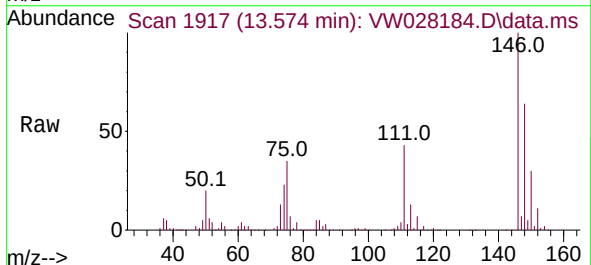
Instrument :  
MSVOA\_W  
ClientSampleId :

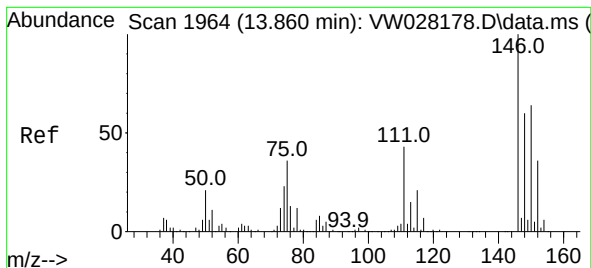
Tgt Ion:146 Resp: 85227  
Ion Ratio Lower Upper  
146 100  
111 41.0 28.5 52.9  
148 61.3 43.0 80.0



#65  
1,4-Dichlorobenzene  
Concen: 18.754 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW028184.D  
Acq: 14 Mar 2024 17:27

Tgt Ion:146 Resp: 85642  
Ion Ratio Lower Upper  
146 100  
111 42.7 28.8 53.6  
148 64.1 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 20.936 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

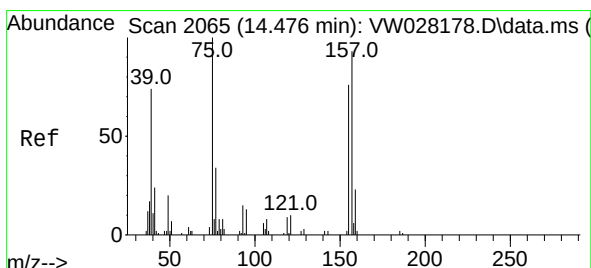
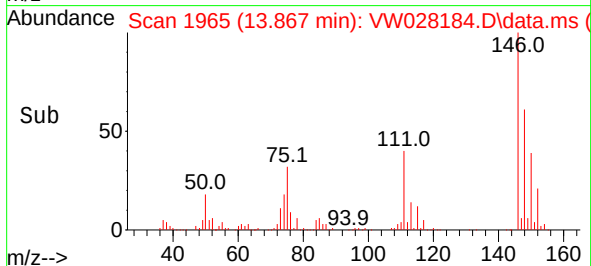
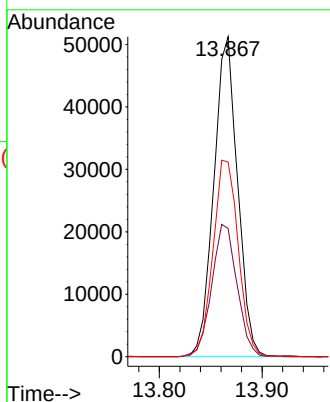
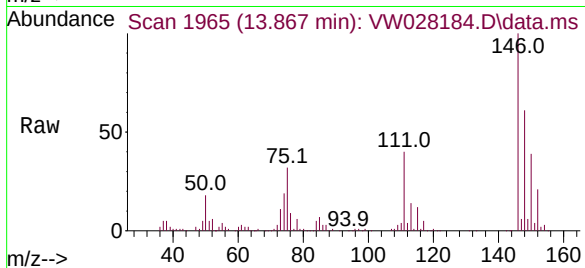
Tgt Ion:146 Resp: 82335

Ion Ratio Lower Upper

146 100

111 40.0 34.2 51.2

148 60.8 48.1 72.1



#68

1,2-Dibromo-3-chloropropane

Concen: 32.670 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

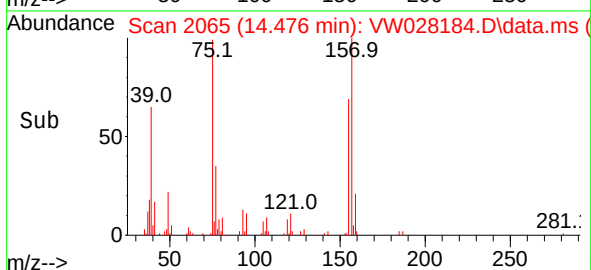
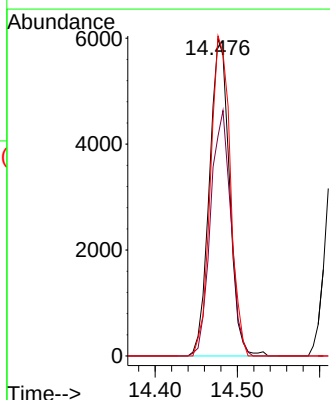
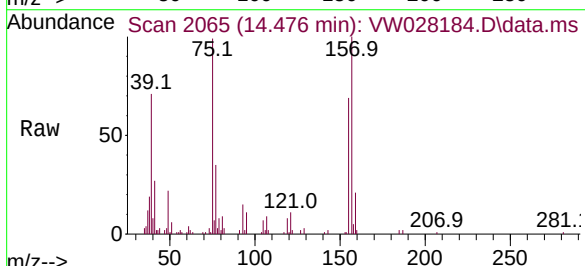
Tgt Ion: 75 Resp: 10091

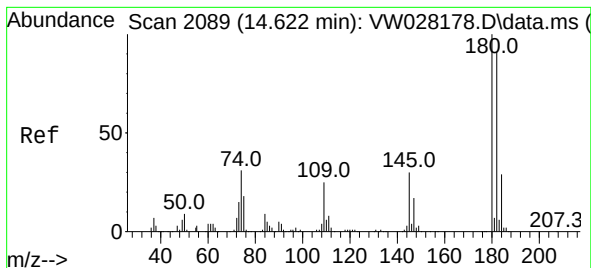
Ion Ratio Lower Upper

75 100

155 69.3 61.1 91.7

157 100.8 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 11.016 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

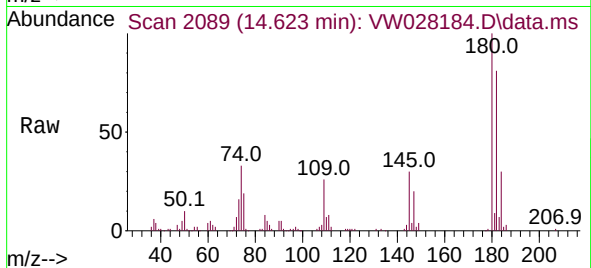
Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 35042

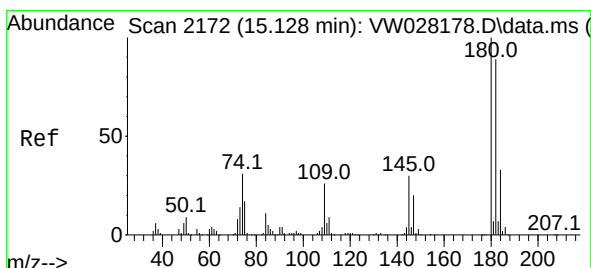
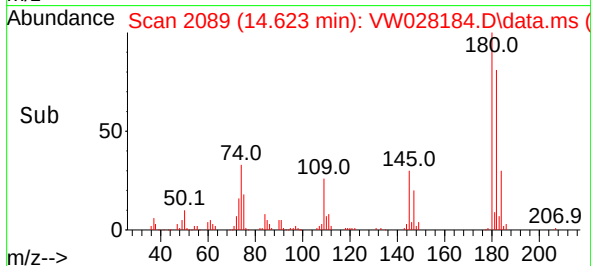
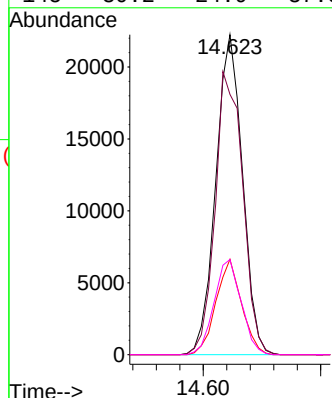
Ion Ratio Lower Upper

180 100

182 91.7 76.6 114.8

184 28.6 23.5 35.3

145 30.2 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 10.755 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

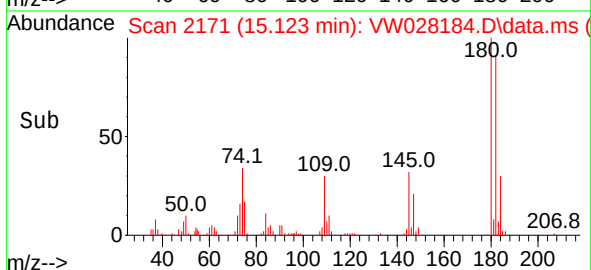
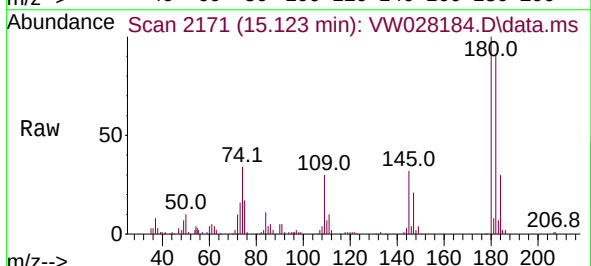
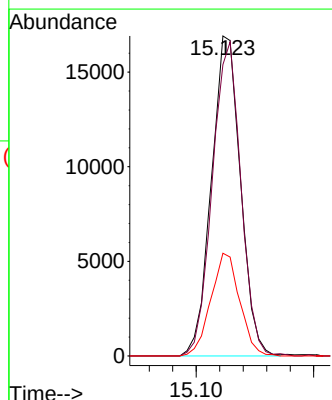
Tgt Ion:180 Resp: 29065

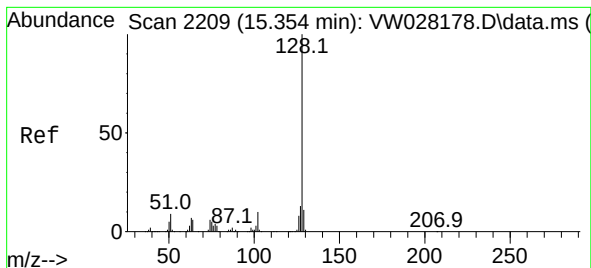
Ion Ratio Lower Upper

180 100

182 96.3 73.8 110.8

145 31.9 25.0 37.6





#71

Naphthalene

Concen: 19.472 ug/L

RT: 15.354 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Instrument :

MSVOA\_W

ClientSampleId :

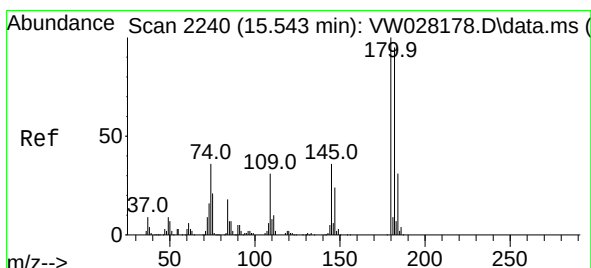
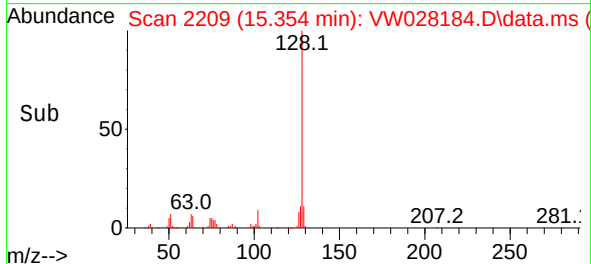
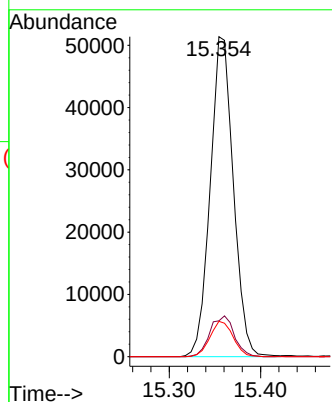
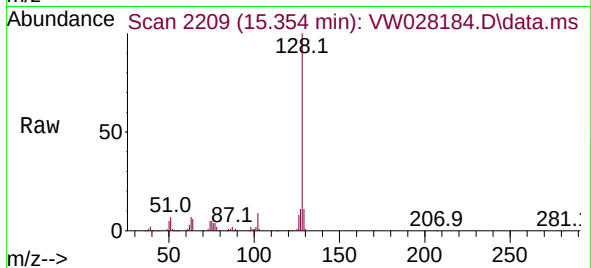
Tgt Ion:128 Resp: 90318

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

129 11.0 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 10.764 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VW028184.D

Acq: 14 Mar 2024 17:27

Tgt Ion:180 Resp: 23980

Ion Ratio Lower Upper

180 100

182 92.6 76.0 114.0

145 35.9 27.1 40.7

