

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020924\  
 Data File : VW027984.D  
 Acq On : 09 Feb 2024 16:03  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Feb 09 22:32:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Feb 09 22:30:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 289900   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 266342   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 141380   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.375  | 65    | 71316    | 21.004   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.000%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 62431    | 24.242   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.960%   |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 31006    | 21.342   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 85.360%   |
| 21) 2-Butanone-d5             | 7.081  | 46    | 34868    | 66.091   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 132.180%  |
| 24) Chloroform-d              | 7.648  | 84    | 169288   | 24.974   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.880%   |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 81111    | 26.494   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 105.960%  |
| 32) Benzene-d6                | 8.270  | 84    | 329295   | 23.108   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.440%   |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 92547    | 23.953   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.800%   |
| 41) Toluene-d8                | 10.319 | 98    | 324092   | 23.770   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.080%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 41759    | 26.281   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 105.120%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 36676    | 69.787   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 139.580%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 87032    | 30.138   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 120.560%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 120473   | 25.070   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.280%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 60599    | 24.274   | ug/L   | 92        |
| 3) Chloromethane              | 2.222  | 50    | 62648    | 22.850   | ug/L   | 100       |
| 5) Vinyl chloride             | 2.375  | 62    | 81373    | 21.898   | ug/L   | 98        |
| 6) Bromomethane               | 2.789  | 94    | 62177    | 23.680   | ug/L   | 97        |
| 8) Chloroethane               | 2.930  | 64    | 53882    | 25.663   | ug/L   | 95        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 65772    | 19.475   | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 73408    | 21.565   | ug/L   | 92        |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 75761    | 23.925   | ug/L   | 98        |
| 13) Acetone                   | 4.131  | 43    | 29809    | 58.106   | ug/L   | 94        |
| 14) Carbon disulfide          | 4.399  | 76    | 192664   | 20.551   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.673  | 43    | 27828    | 32.584   | ug/L   | 100       |
| 16) Methylene chloride        | 4.923  | 84    | 88094    | 24.312   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 81749    | 24.028   | ug/L   | 98        |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 114059   | 28.279   | ug/L   | 100       |
| 19) 1,1-Dichloroethane        | 6.210  | 63    | 141337   | 25.572   | ug/L   | 96        |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 95257    | 26.514   | ug/L   | 98        |
| 22) 2-Butanone                | 7.173  | 43    | 41074    | 69.360   | ug/L   | 98        |
| 23) Bromochloromethane        | 7.514  | 128   | 43893    | 27.504   | ug/L   | 89        |
| 25) Chloroform                | 7.679  | 83    | 158424   | 26.663   | ug/L   | 95        |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Feb 09 22:32:16 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Feb 09 22:30:02 2024  
 Response via : Initial Calibration

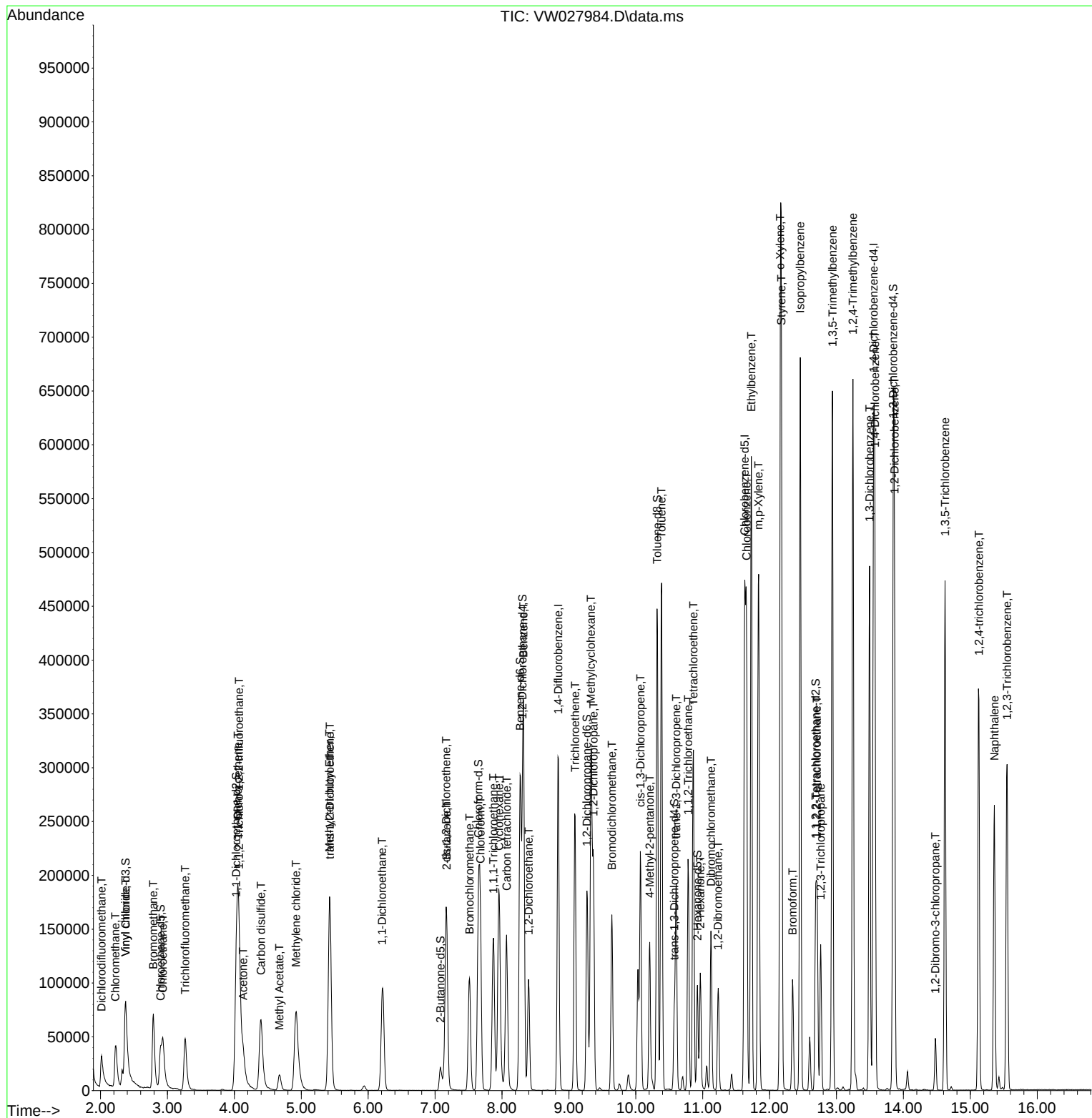
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 95824    | 28.960 | ug/L  | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 111799   | 23.550 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 123080   | 23.939 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 115947   | 24.376 | ug/L  | 100      |
| 33) Benzene                   | 8.319  | 78   | 335551   | 25.224 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 92571    | 24.240 | ug/L  | 93       |
| 35) Methylcyclohexane         | 9.331  | 83   | 148722   | 23.666 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 81727    | 26.144 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 113261   | 27.144 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 136793   | 27.302 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 82442    | 69.874 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 373967   | 25.073 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 112408   | 28.266 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 70708    | 28.577 | ug/L  | 94       |
| 46) Tetrachloroethene         | 10.861 | 164  | 77792    | 24.209 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.965 | 43   | 61868    | 69.229 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 78734    | 27.912 | ug/L  | 90       |
| 50) 1,2-Dibromoethane         | 11.227 | 107  | 66616    | 28.844 | ug/L  | 87       |
| 51) Chlorobenzene             | 11.654 | 112  | 252706   | 25.474 | ug/L  | 100      |
| 52) Ethylbenzene              | 11.727 | 91   | 430143   | 25.579 | ug/L  | 93       |
| 53) m,p-Xylene                | 11.837 | 106  | 164015   | 24.869 | ug/L  | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 163857   | 26.491 | ug/L  | 93       |
| 55) Styrene                   | 12.178 | 104  | 284121   | 27.578 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 83250    | 31.420 | ug/L  | 90       |
| 59) Bromoform                 | 12.343 | 173  | 46947    | 28.134 | ug/L  | 92       |
| 60) Isopropylbenzene          | 12.458 | 105  | 442554   | 25.070 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 56938    | 30.177 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 363840   | 25.756 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 362929   | 26.255 | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 214921   | 26.503 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 209440   | 25.402 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 192538   | 26.882 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 12412    | 33.133 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 158503   | 27.220 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 132394   | 28.155 | ug/L  | 98       |
| 71) Naphthalene               | 15.360 | 128  | 236078   | 32.308 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 111760   | 28.487 | ug/L  | 97       |

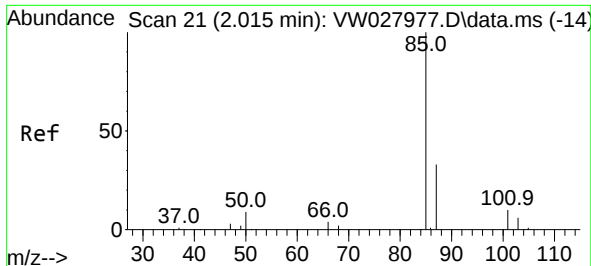
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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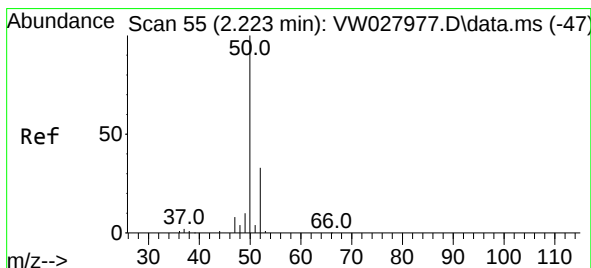
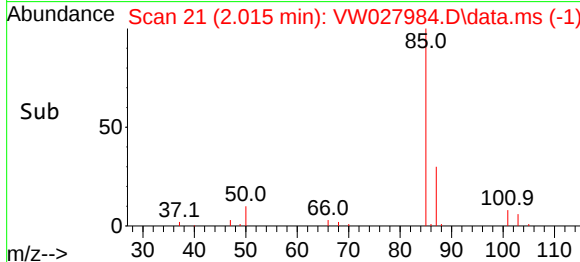
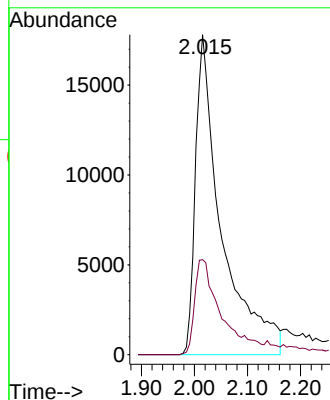
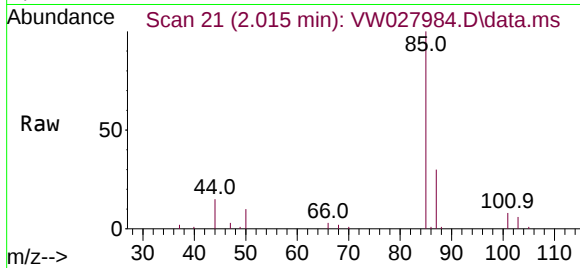




#2  
Dichlorodifluoromethane  
Concen: 24.274 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

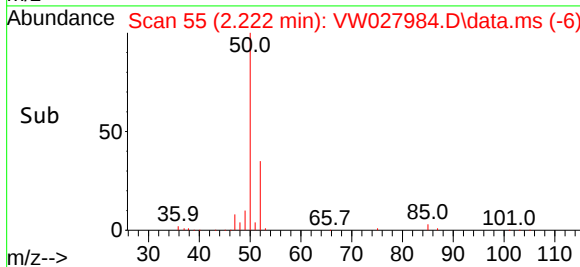
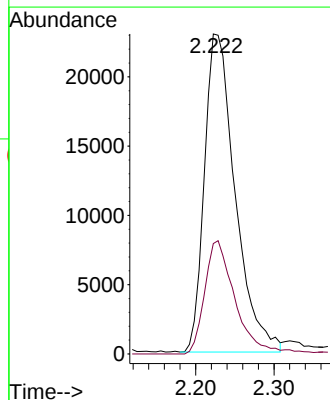
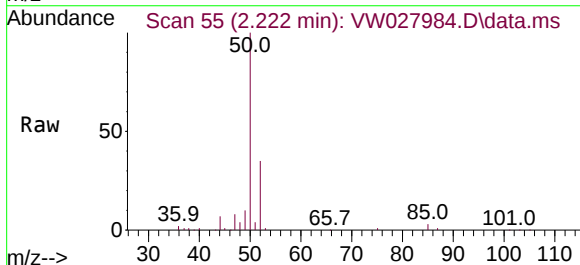
Instrument :  
MSVOA\_W  
ClientSampleId :

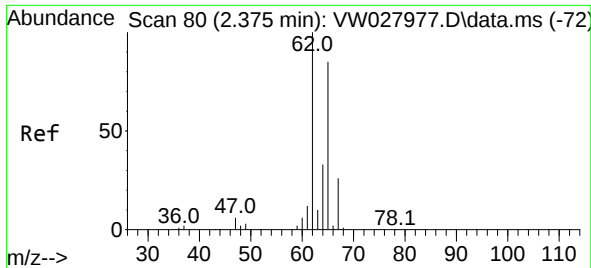
Tgt Ion: 85 Resp: 60599  
Ion Ratio Lower Upper  
85 100  
87 27.4 25.3 37.9



#3  
Chloromethane  
Concen: 22.850 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion: 50 Resp: 62648  
Ion Ratio Lower Upper  
50 100  
52 34.5 24.3 45.1

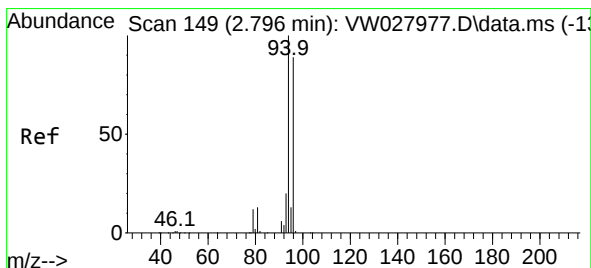
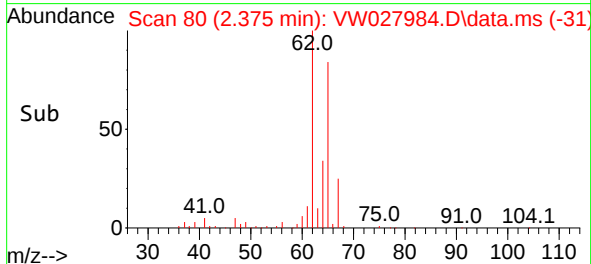
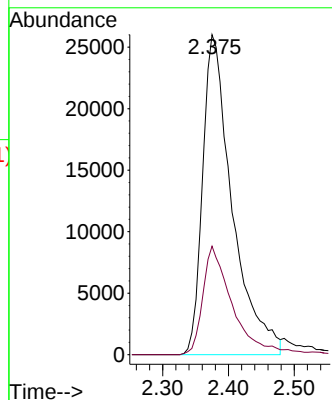
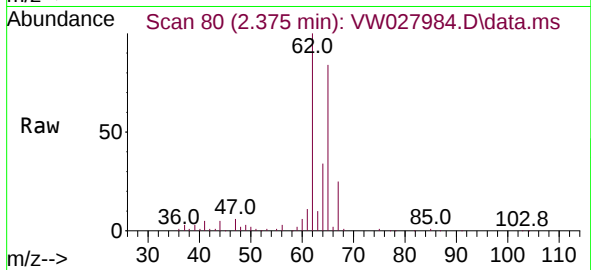




#5  
 Vinyl chloride  
 Concen: 21.898 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW027984.D  
 Acq: 09 Feb 2024 16:03

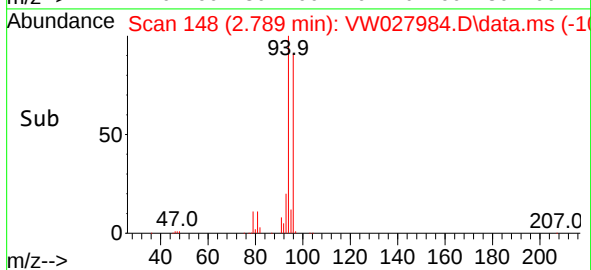
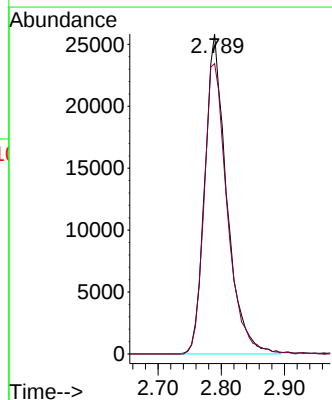
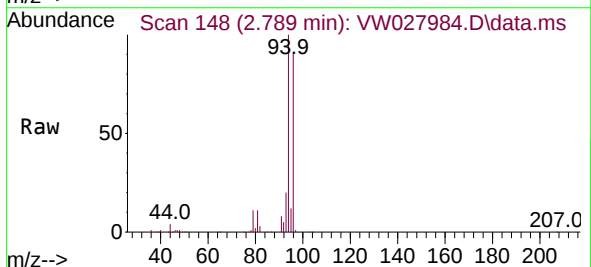
Instrument :  
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 ClientSampleId :

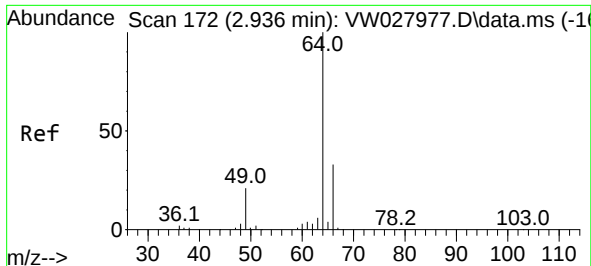
Tgt Ion: 62 Resp: 81373  
 Ion Ratio Lower Upper  
 62 100  
 64 33.9 23.0 42.6



#6  
 Bromomethane  
 Concen: 23.680 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.006 min  
 Lab File: VW027984.D  
 Acq: 09 Feb 2024 16:03

Tgt Ion: 94 Resp: 62177  
 Ion Ratio Lower Upper  
 94 100  
 96 90.7 65.3 121.3

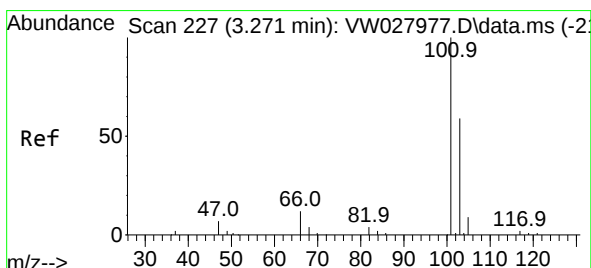
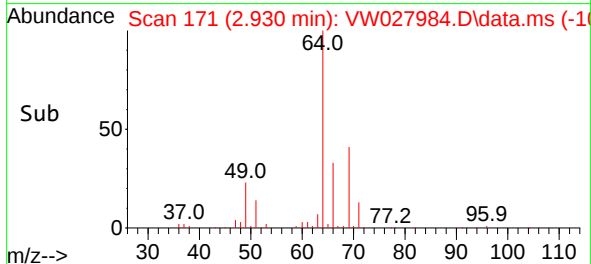
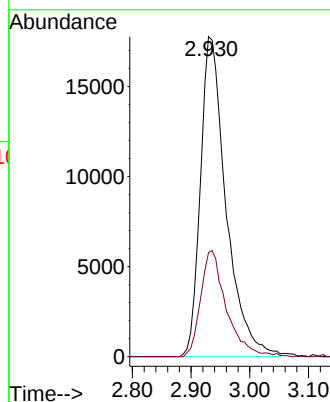
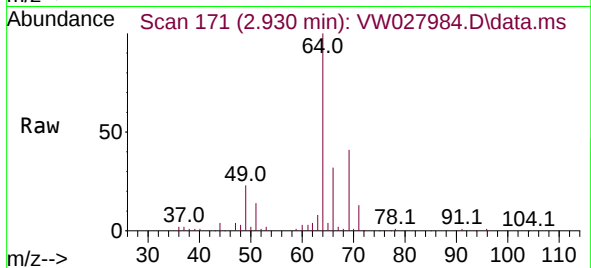




#8  
Chloroethane  
Concen: 25.663 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

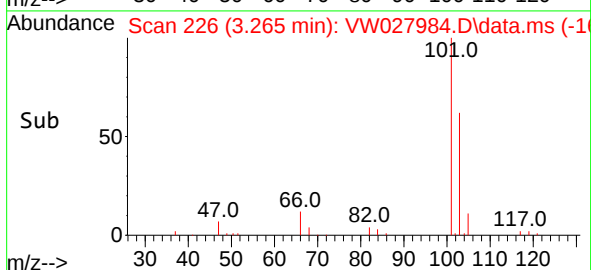
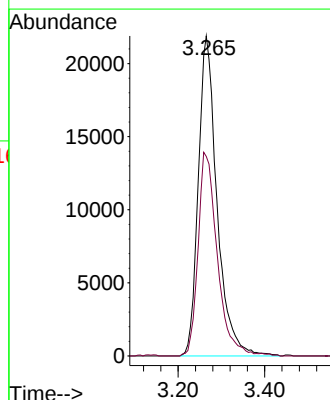
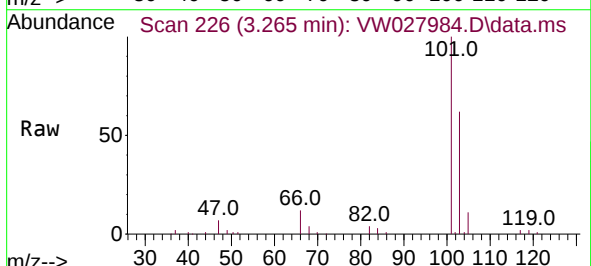
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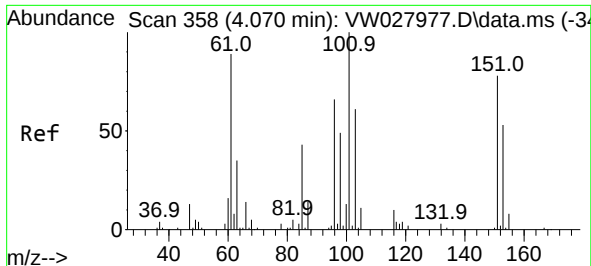
Tgt Ion: 64 Resp: 53882  
Ion Ratio Lower Upper  
64 100  
66 32.5 20.9 38.7



#9  
Trichlorofluoromethane  
Concen: 19.475 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion:101 Resp: 65772  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.6 77.4

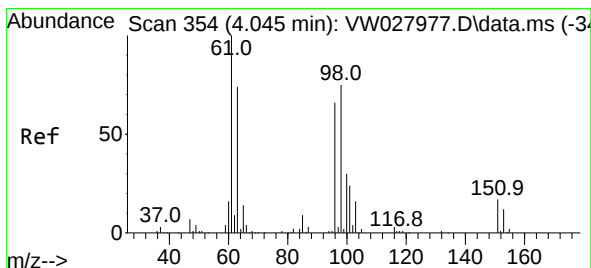
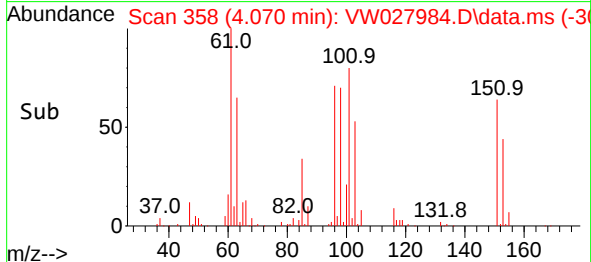
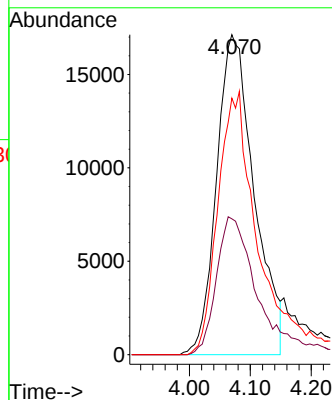
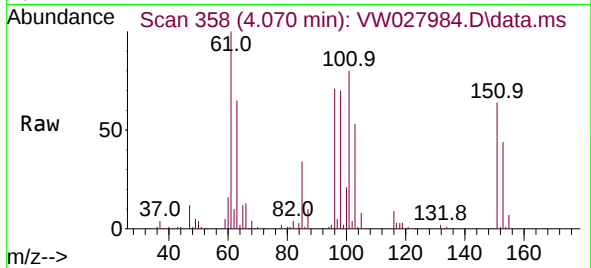




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.565 ug/L  
 RT: 4.070 min Scan# 358  
 Delta R.T. -0.000 min  
 Lab File: VW027984.D  
 Acq: 09 Feb 2024 16:03

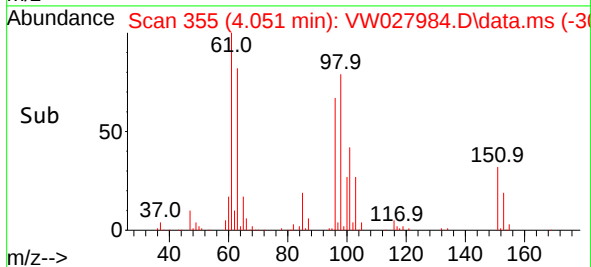
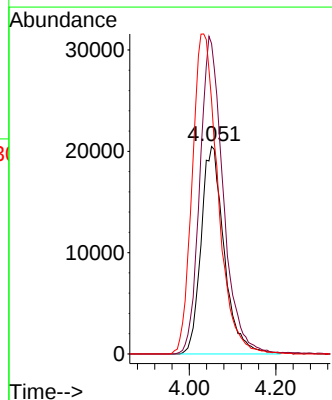
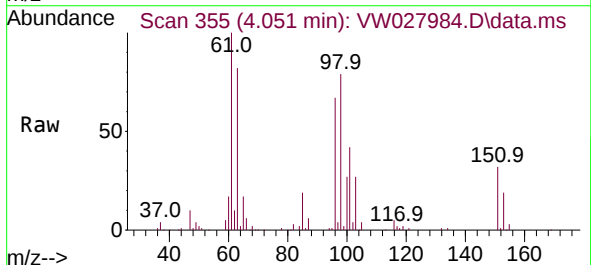
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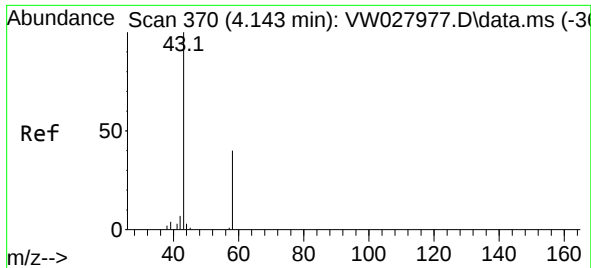
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 Ion Ratio Lower Upper  
 101 100  
 85 47.1 33.8 50.6  
 151 85.1 62.6 93.8



#12  
 1,1-Dichloroethene  
 Concen: 23.925 ug/L  
 RT: 4.051 min Scan# 355  
 Delta R.T. 0.006 min  
 Lab File: VW027984.D  
 Acq: 09 Feb 2024 16:03

Tgt Ion: 96 Resp: 75761  
 Ion Ratio Lower Upper  
 96 100  
 61 149.6 107.4 199.4  
 63 122.2 86.0 159.6

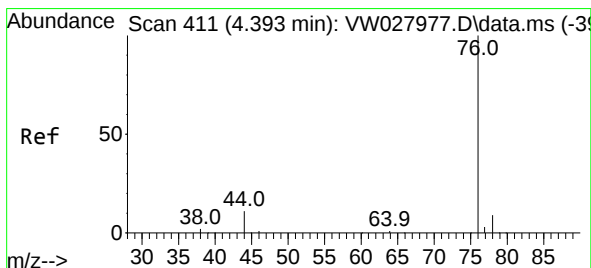
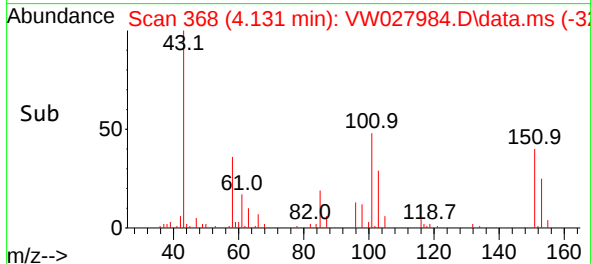
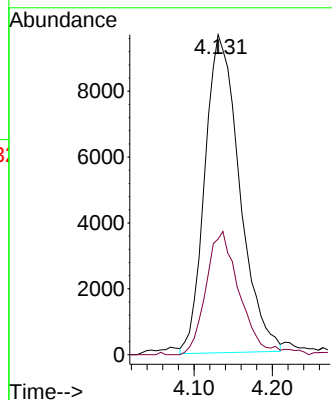
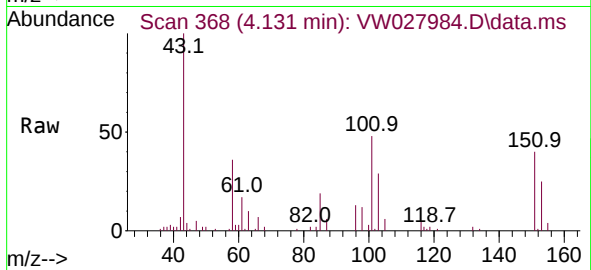




#13  
Acetone  
Concen: 58.106 ug/L  
RT: 4.131 min Scan# 30  
Delta R.T. -0.012 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

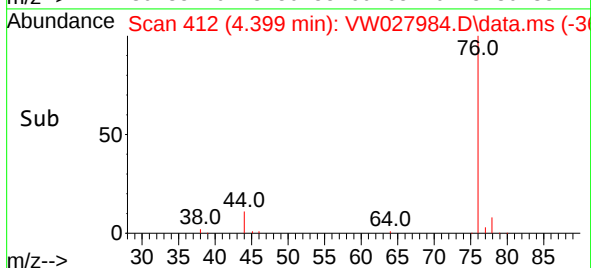
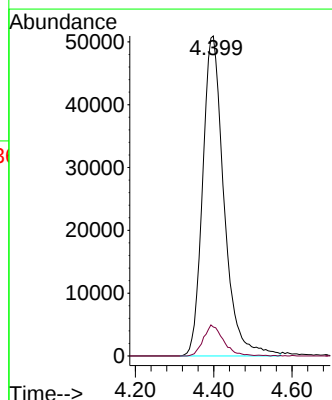
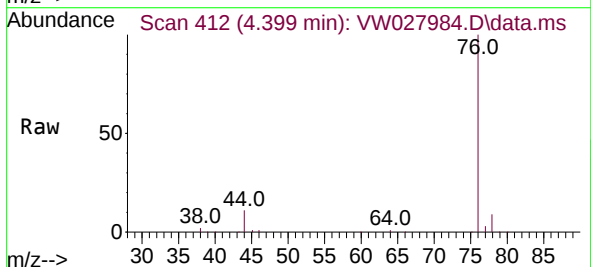
Instrument :  
MSVOA\_W  
ClientSampleId :

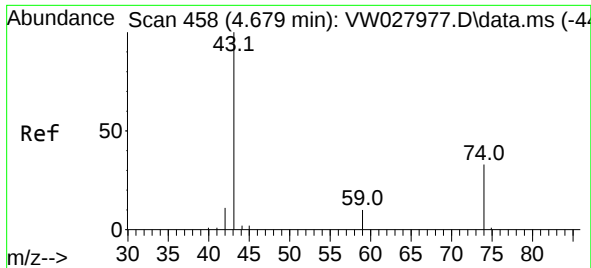
Tgt Ion: 43 Resp: 29809  
Ion Ratio Lower Upper  
43 100  
58 36.4 0.0 66.0



#14  
Carbon disulfide  
Concen: 20.551 ug/L  
RT: 4.399 min Scan# 412  
Delta R.T. 0.006 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion: 76 Resp: 192664  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.5 11.3

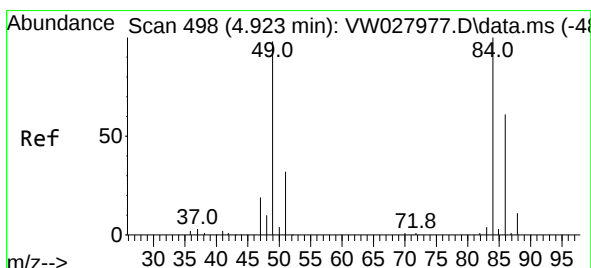
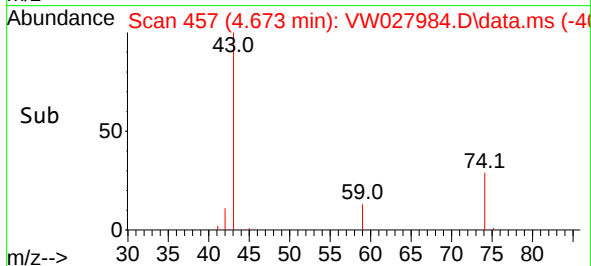
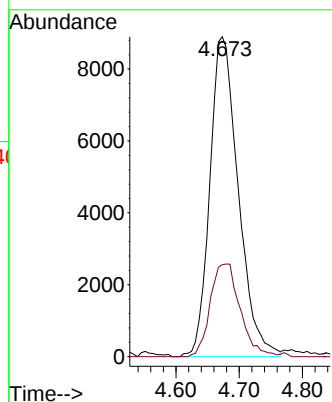
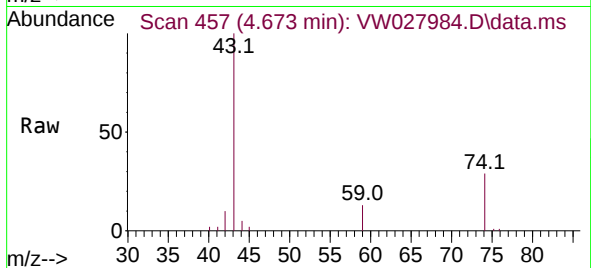




#15  
Methyl Acetate  
Concen: 32.584 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

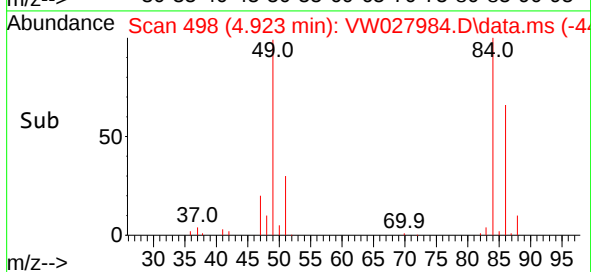
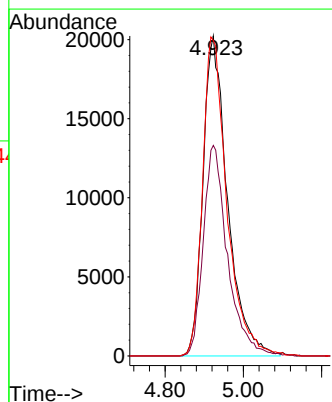
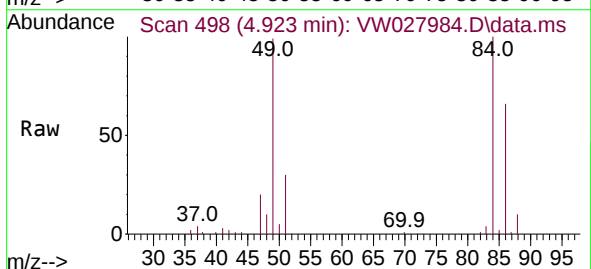
Instrument :  
MSVOA\_W  
ClientSampleId :

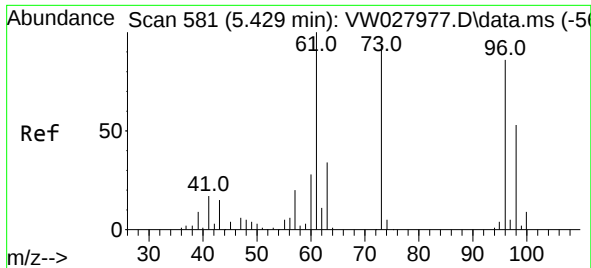
Tgt Ion: 43 Resp: 27828  
Ion Ratio Lower Upper  
43 100  
74 30.3 24.2 36.2



#16  
Methylene chloride  
Concen: 24.312 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion: 84 Resp: 88094  
Ion Ratio Lower Upper  
84 100  
86 65.8 45.4 84.4  
49 98.5 66.3 123.1

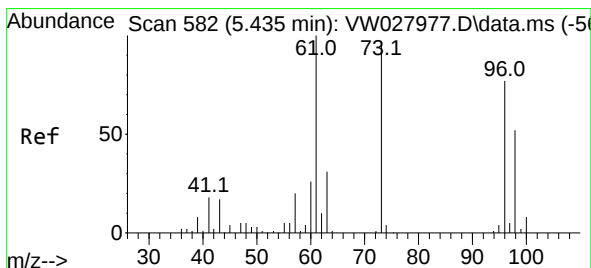
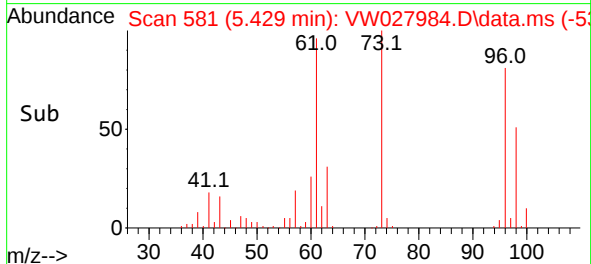
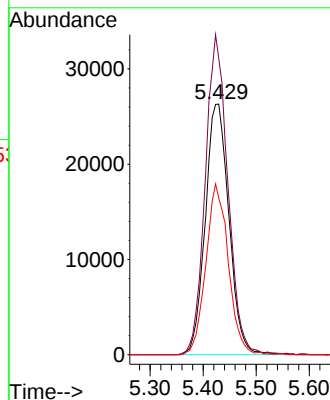
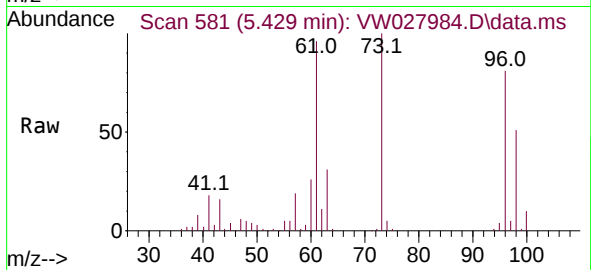




#17  
trans-1,2-Dichloroethene  
Concen: 24.028 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

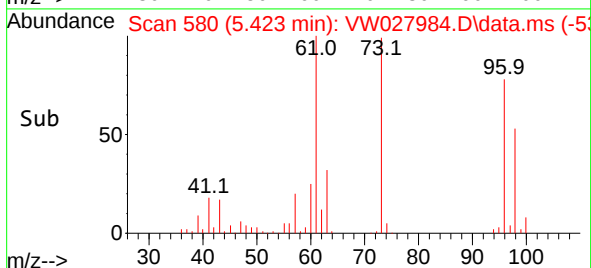
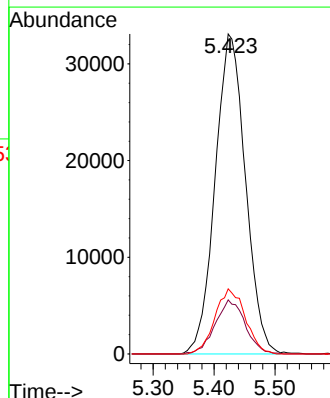
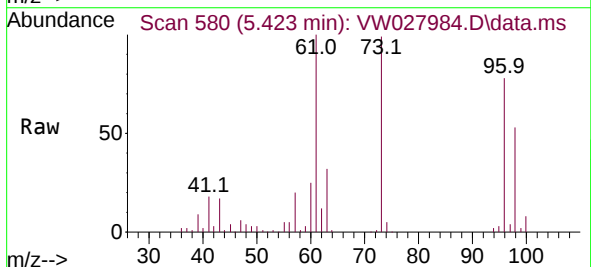
Instrument :  
MSVOA\_W  
ClientSampleId :

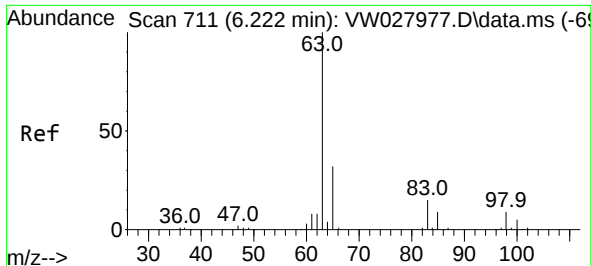
Tgt Ion: 96 Resp: 81749  
Ion Ratio Lower Upper  
96 100  
61 118.2 80.1 148.7  
98 62.6 43.8 81.4



#18  
Methyl tert-butyl Ether  
Concen: 28.279 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.012 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion: 73 Resp: 114059  
Ion Ratio Lower Upper  
73 100  
43 16.7 13.4 20.0  
57 20.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 25.572 ug/L

RT: 6.210 min Scan# 709

Delta R.T. -0.012 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

ClientSampleId :

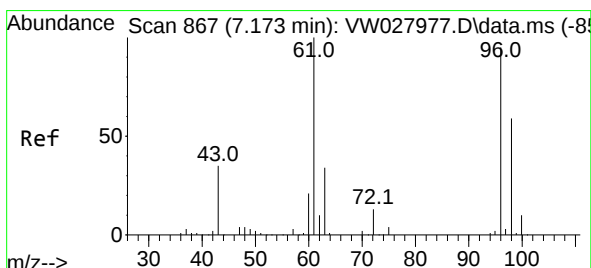
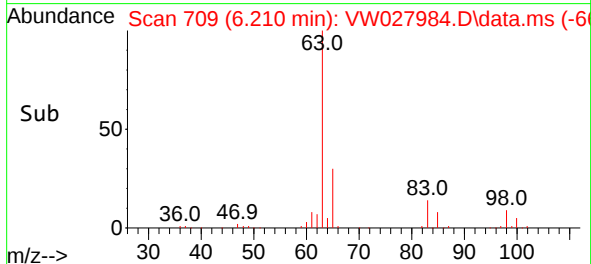
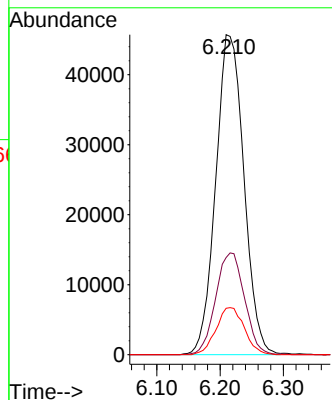
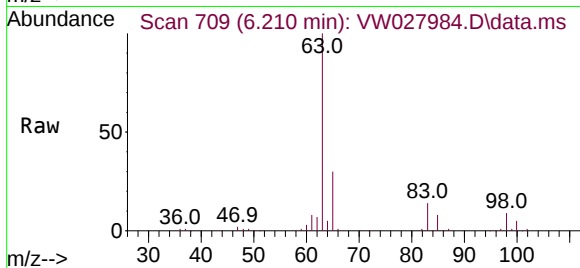
Tgt Ion: 63 Resp: 141337

Ion Ratio Lower Upper

63 100

65 30.3 23.1 42.9

83 14.5 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 26.514 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

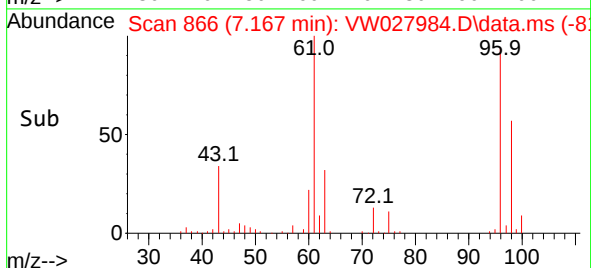
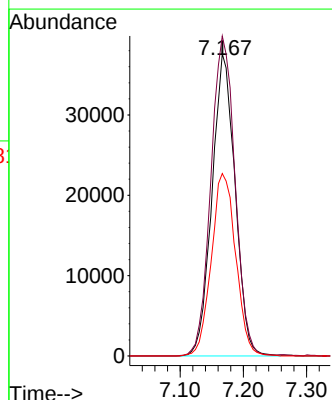
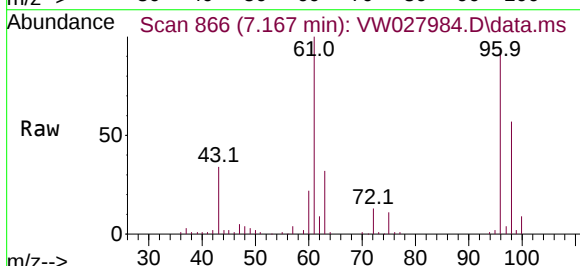
Tgt Ion: 96 Resp: 95257

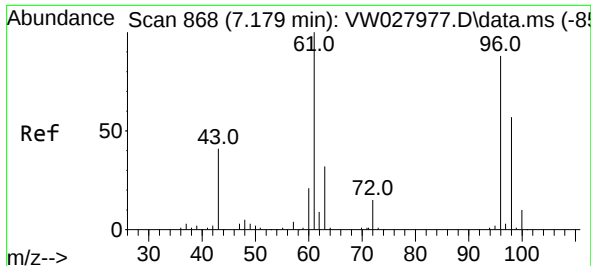
Ion Ratio Lower Upper

96 100

61 105.9 76.3 141.7

98 60.3 42.9 79.7





#22

2-Butanone

Concen: 69.360 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.006 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

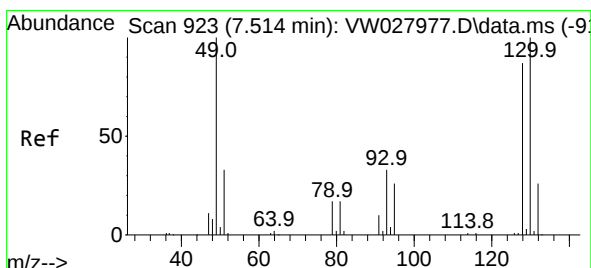
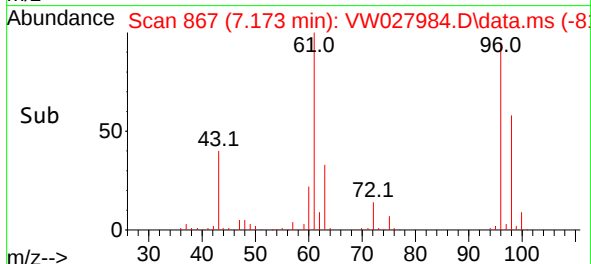
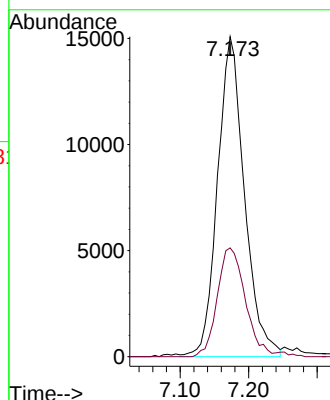
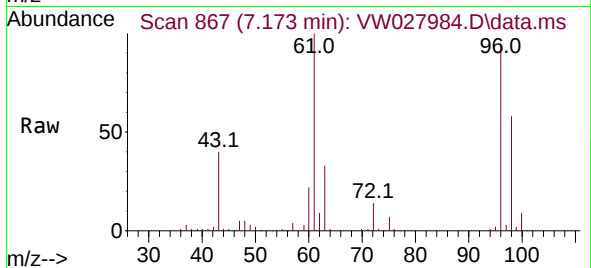
ClientSampleId :

Tgt Ion: 43 Resp: 41074

Ion Ratio Lower Upper

43 100

72 35.2 17.0 50.9



#23

Bromochloromethane

Concen: 27.504 ug/L

RT: 7.514 min Scan# 923

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Tgt Ion: 128 Resp: 43893

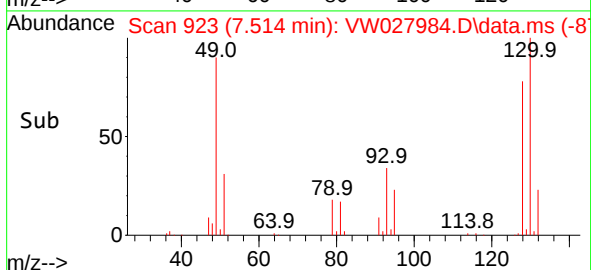
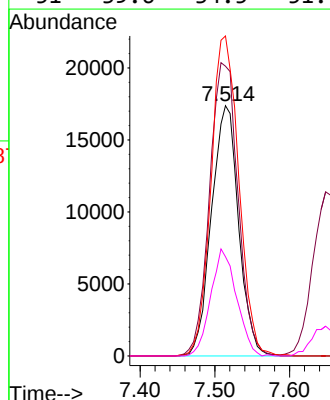
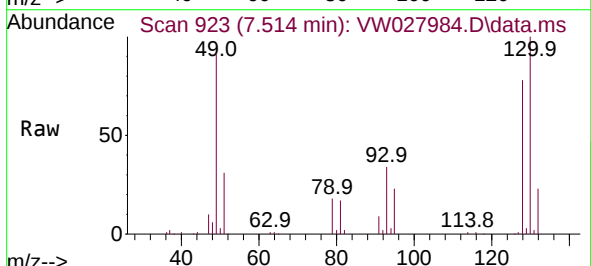
Ion Ratio Lower Upper

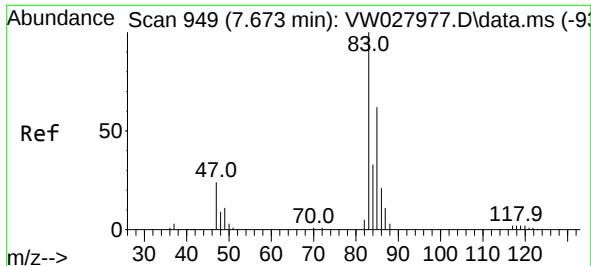
128 100

49 115.7 93.2 173.2

130 127.8 97.4 180.8

51 39.6 34.5 51.7





#25

Chloroform

Concen: 26.663 ug/L

RT: 7.679 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

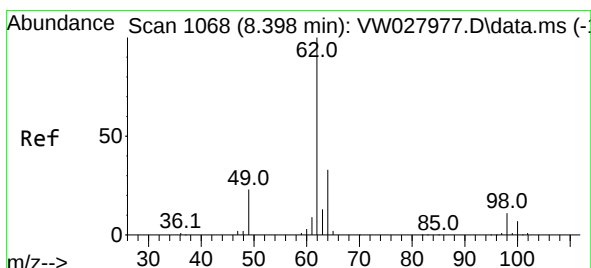
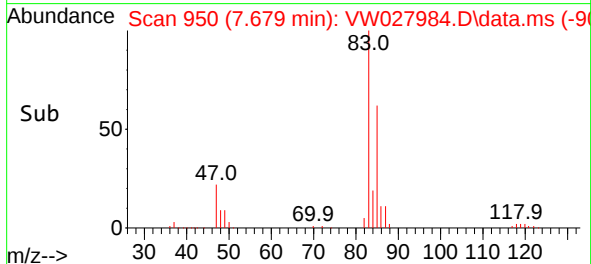
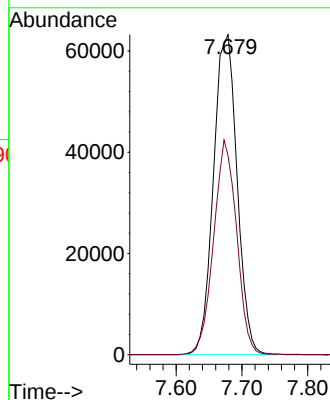
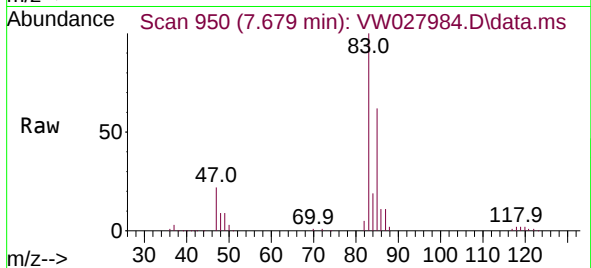
ClientSampleId :

Tgt Ion: 83 Resp: 158424

Ion Ratio Lower Upper

83 100

85 62.2 46.6 86.6



#27

1,2-Dichloroethane

Concen: 28.960 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW027984.D

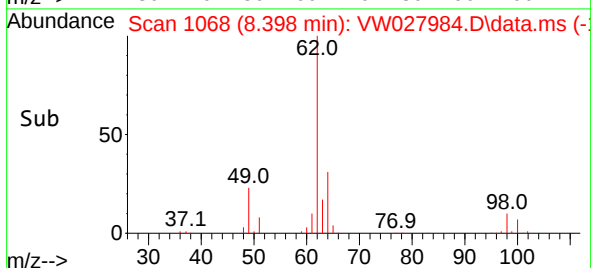
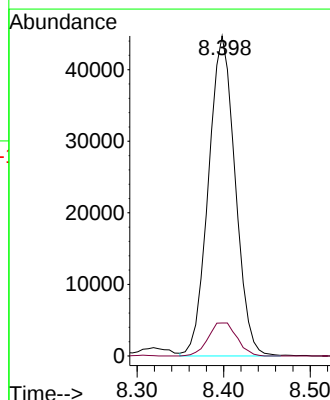
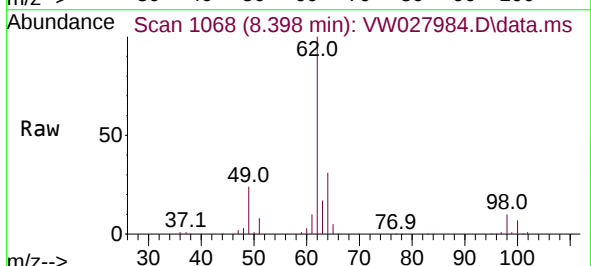
Acq: 09 Feb 2024 16:03

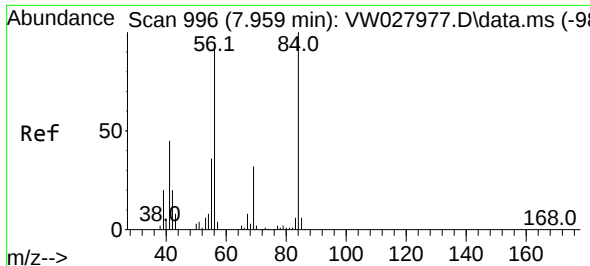
Tgt Ion: 62 Resp: 95824

Ion Ratio Lower Upper

62 100

98 10.3 9.4 14.2





#29

Cyclohexane

Concen: 23.550 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

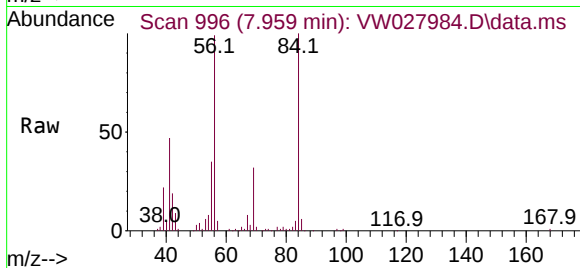
Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

ClientSampleId :



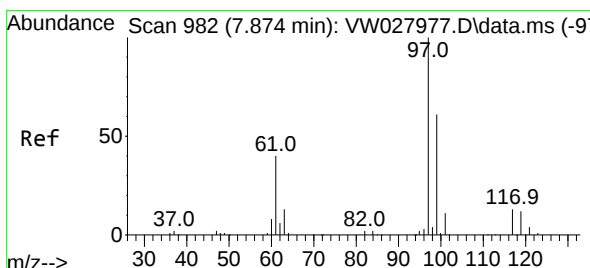
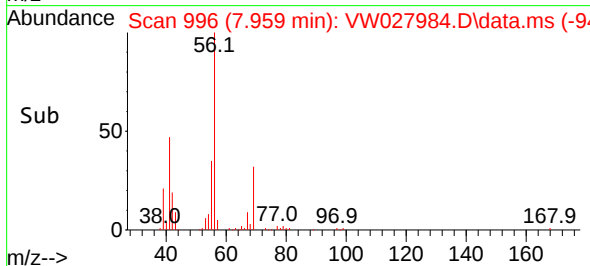
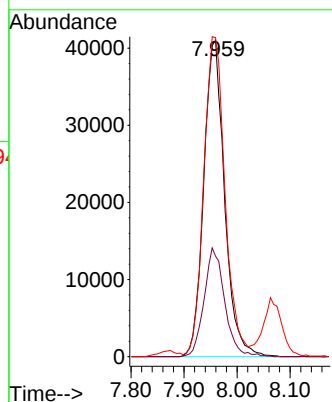
Tgt Ion: 56 Resp: 111799

Ion Ratio Lower Upper

56 100

69 33.7 26.3 39.5

84 103.0 81.6 122.4



#30

1,1,1-Trichloroethane

Concen: 23.939 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

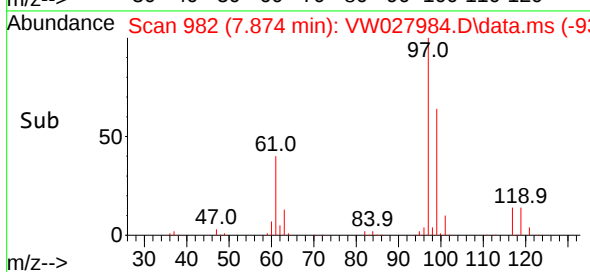
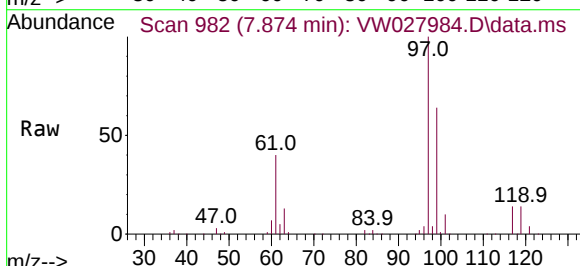
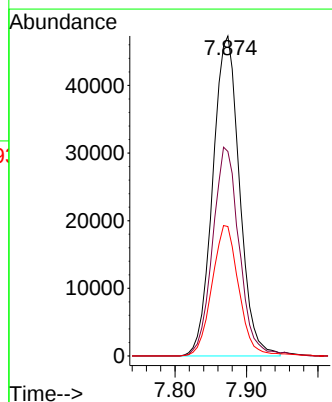
Tgt Ion: 97 Resp: 123080

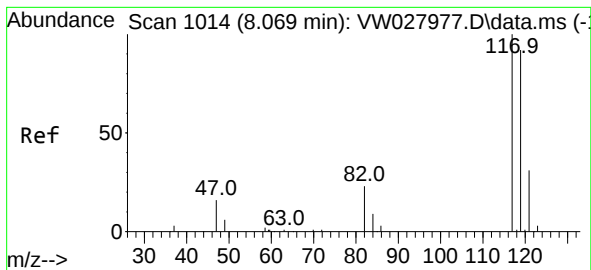
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

61 41.0 32.9 49.3

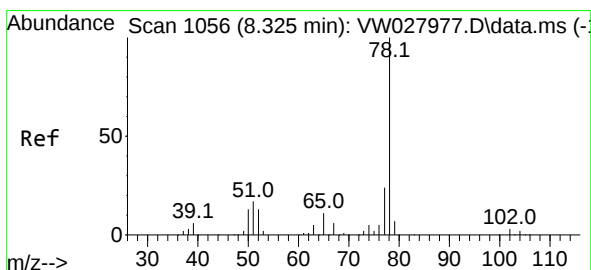
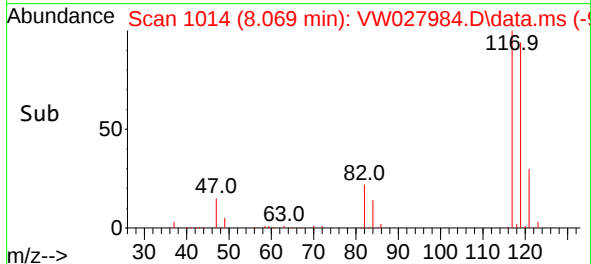
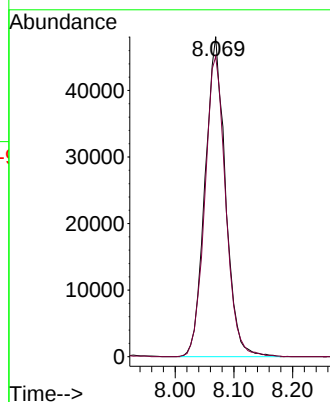
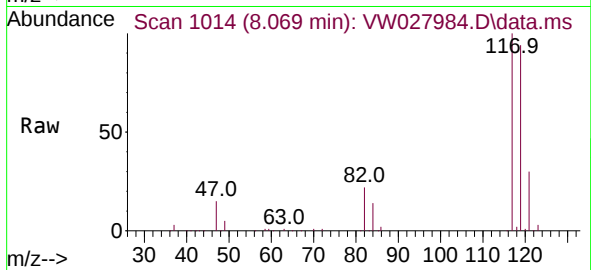




#31  
Carbon tetrachloride  
Concen: 24.376 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

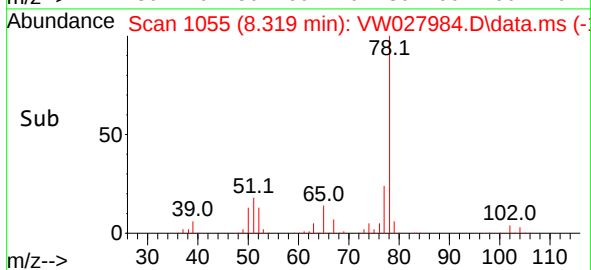
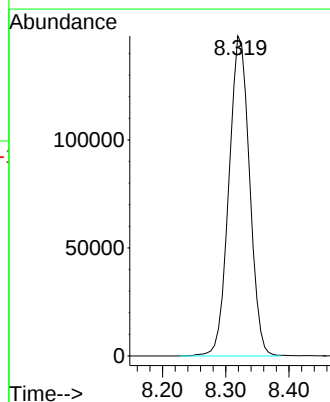
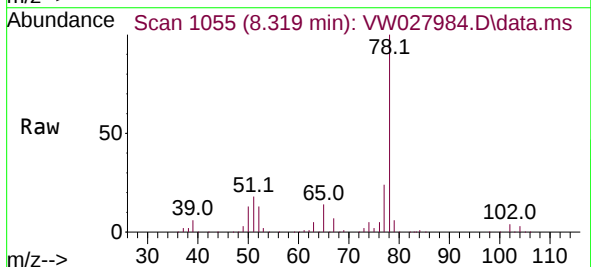
Instrument :  
MSVOA\_W  
ClientSampleId :

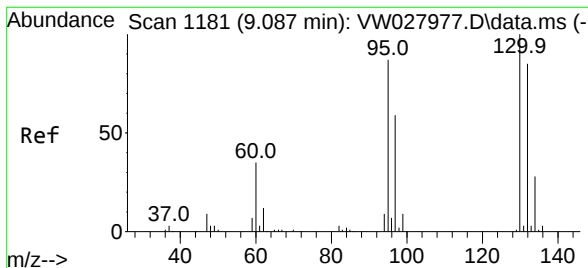
Tgt Ion:117 Resp: 115947  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.5 114.7



#33  
Benzene  
Concen: 25.224 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion: 78 Resp: 335551





#34

Trichloroethene

Concen: 24.240 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

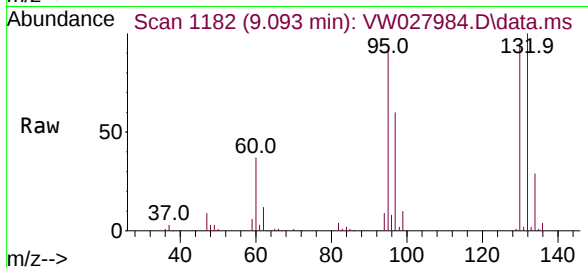
Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 92571

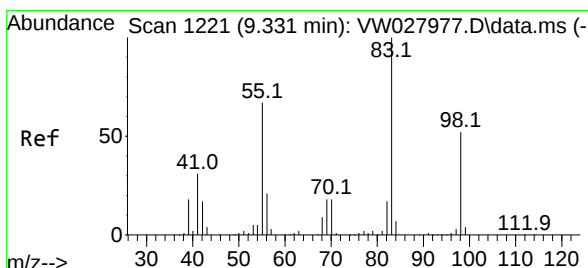
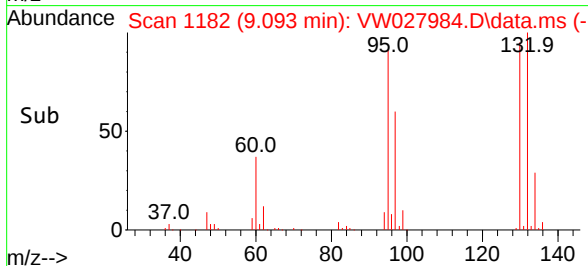
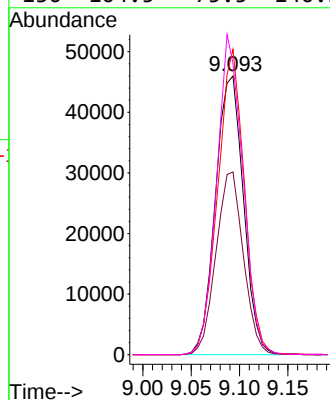
Ion Ratio Lower Upper

95 100

97 65.6 44.3 82.3

132 109.5 68.0 126.2

130 104.5 75.5 140.3



#35

Methylcyclohexane

Concen: 23.666 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

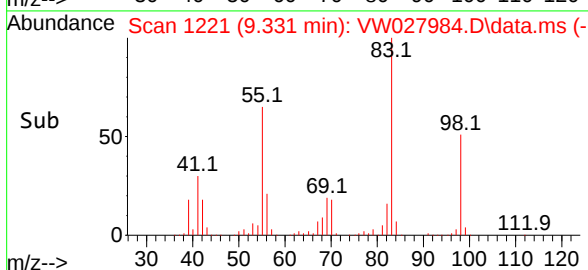
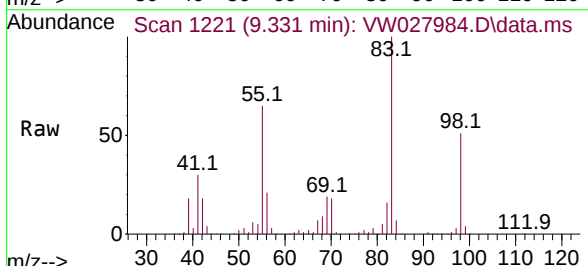
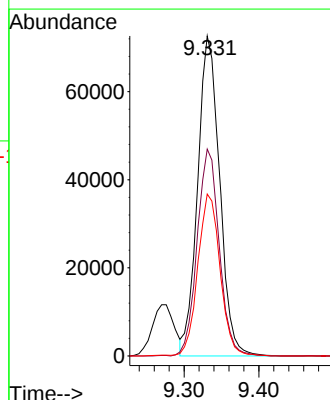
Tgt Ion: 83 Resp: 148722

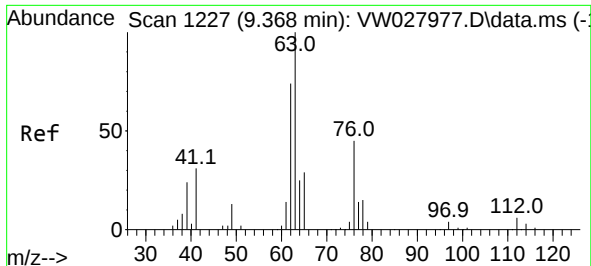
Ion Ratio Lower Upper

83 100

55 64.8 52.3 78.5

98 51.2 41.9 62.9





#37

1,2-Dichloropropane

Concen: 26.144 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

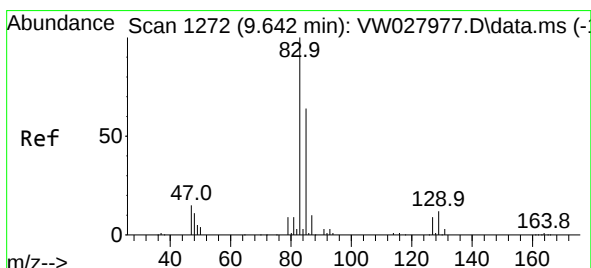
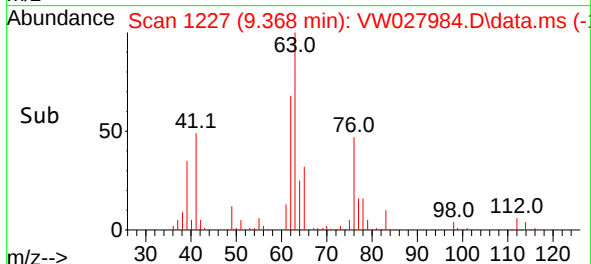
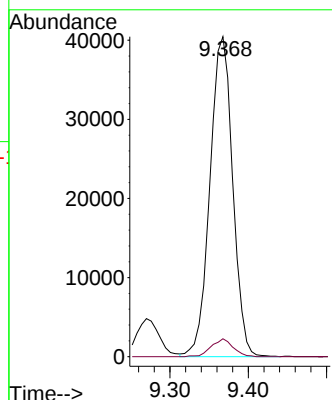
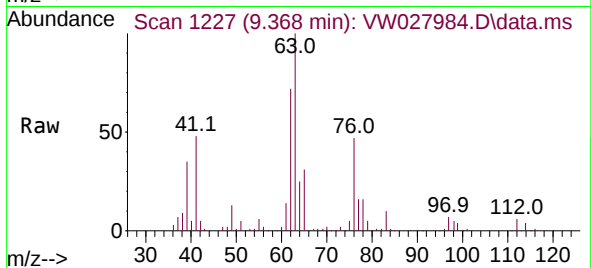
ClientSampleId :

Tgt Ion: 63 Resp: 81727

Ion Ratio Lower Upper

63 100

112 5.3 4.2 6.2



#38

Bromodichloromethane

Concen: 27.144 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

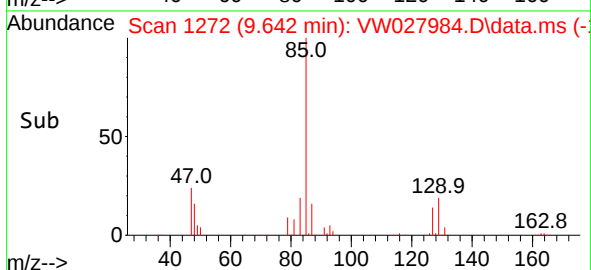
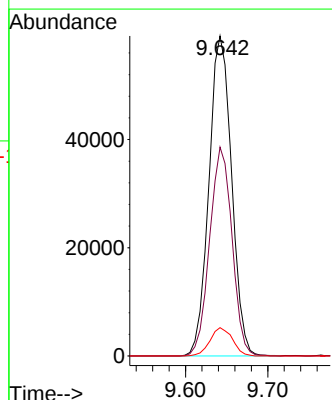
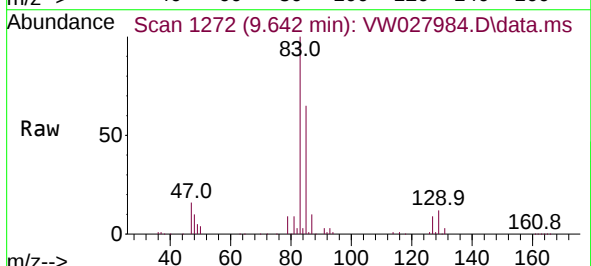
Tgt Ion: 83 Resp: 113261

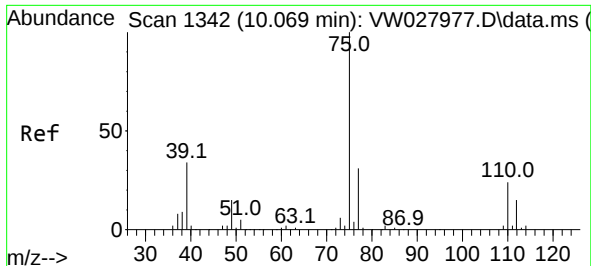
Ion Ratio Lower Upper

83 100

85 65.3 44.7 83.1

127 8.9 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 27.302 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

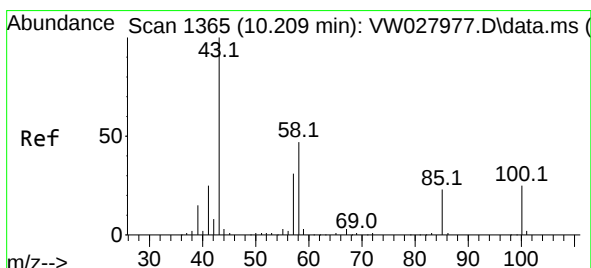
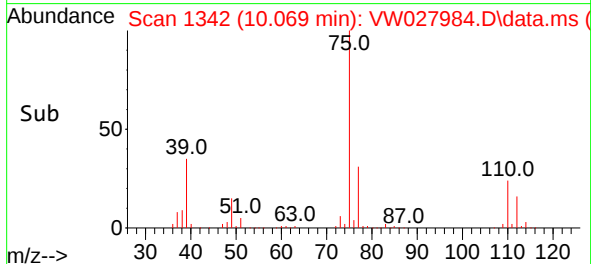
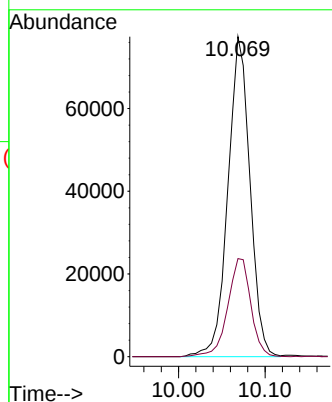
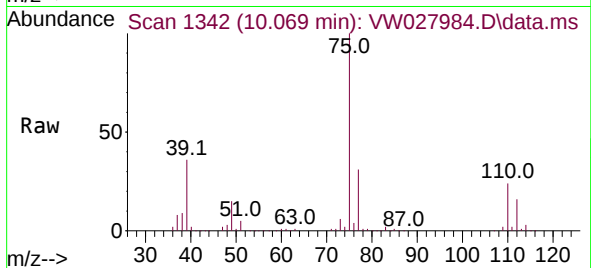
ClientSampleId :

Tgt Ion: 75 Resp: 136793

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 69.874 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

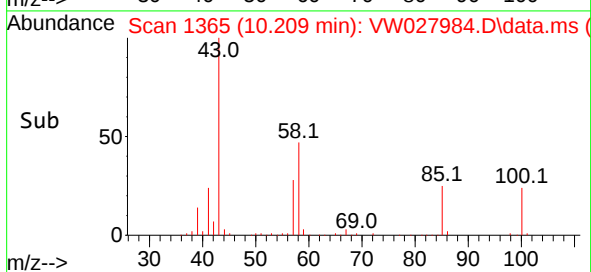
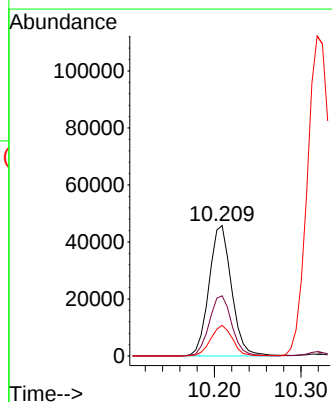
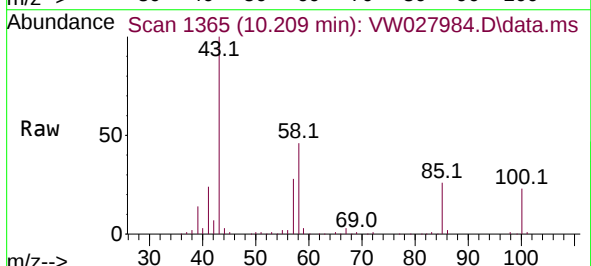
Tgt Ion: 43 Resp: 82442

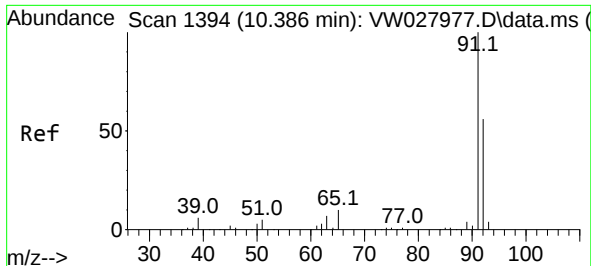
Ion Ratio Lower Upper

43 100

58 46.3 36.7 55.1

100 22.6 18.4 27.6

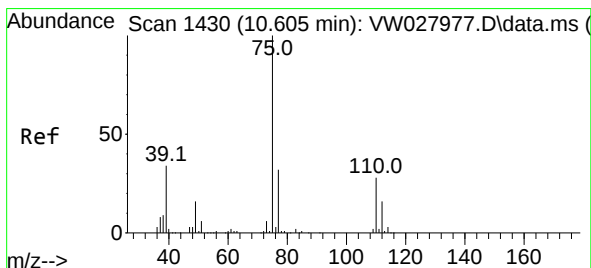
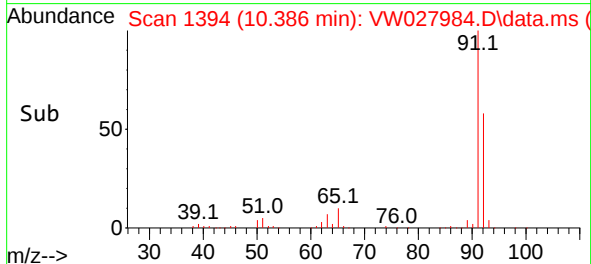
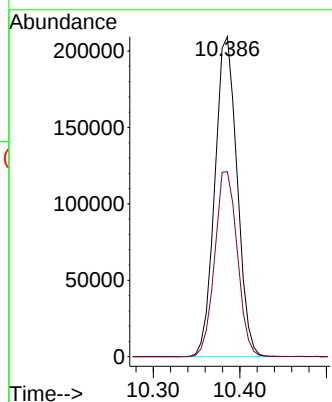
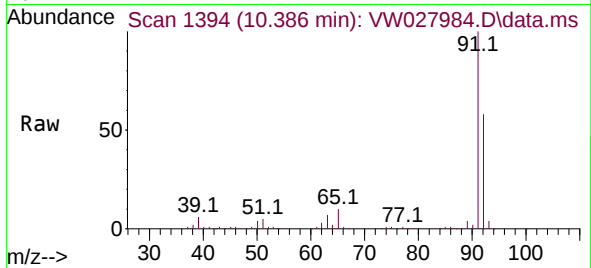




#42  
Toluene  
Concen: 25.073 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

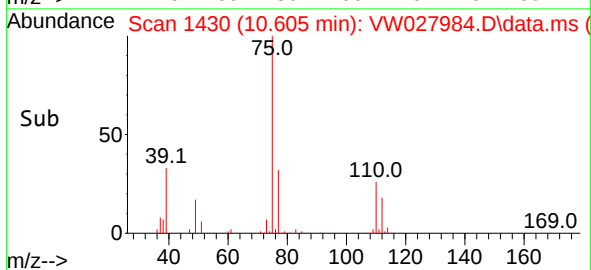
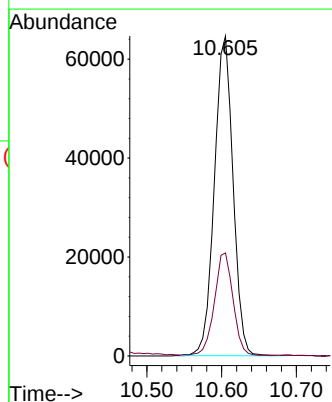
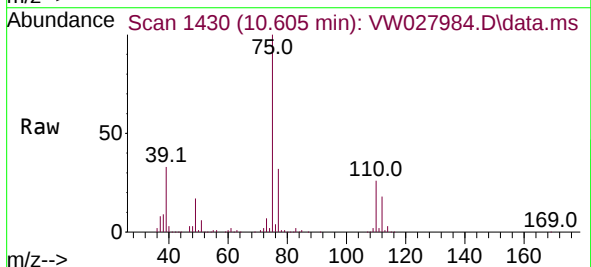
Instrument :  
MSVOA\_W  
ClientSampleId :

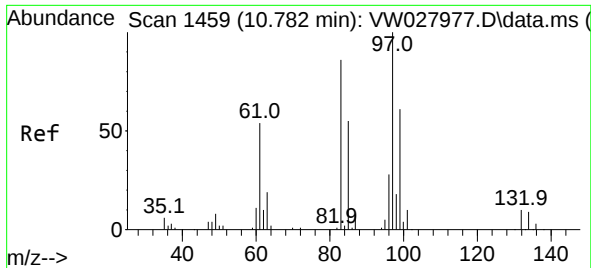
Tgt Ion: 91 Resp: 373967  
Ion Ratio Lower Upper  
91 100  
92 57.8 38.8 72.0



#44  
trans-1,3-Dichloropropene  
Concen: 28.266 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion: 75 Resp: 112408  
Ion Ratio Lower Upper  
75 100  
77 32.2 21.5 39.9

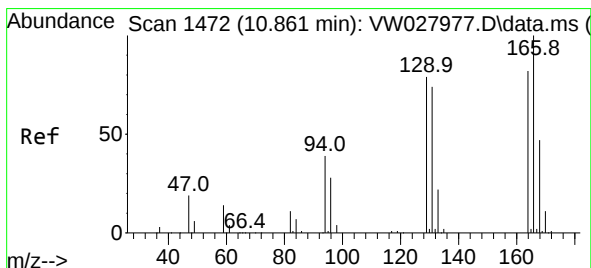
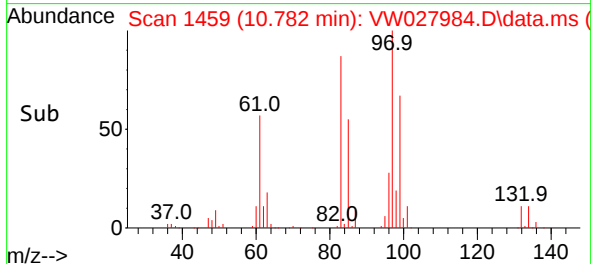
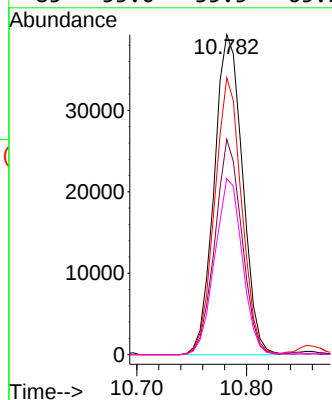
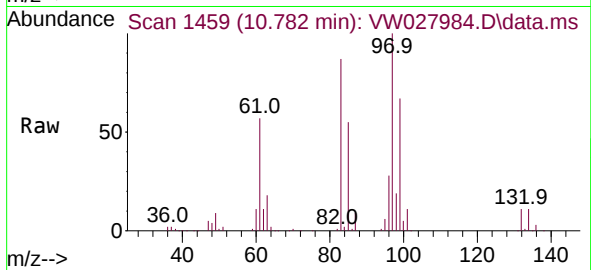




#45  
1,1,2-Trichloroethane  
Concen: 28.577 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

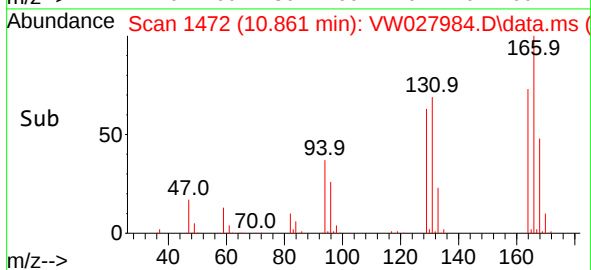
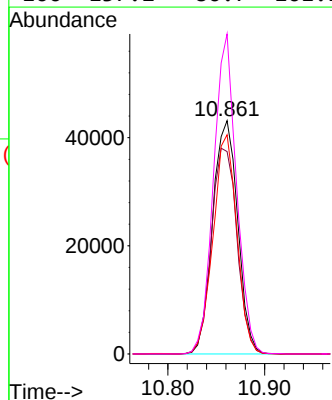
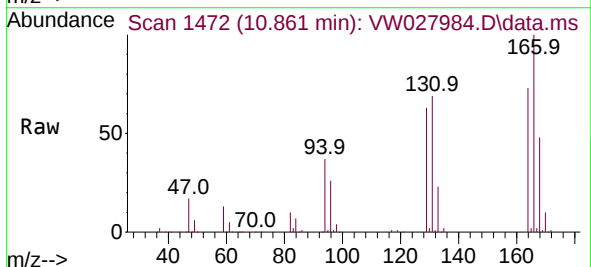
Instrument :  
MSVOA\_W  
ClientSampleId :

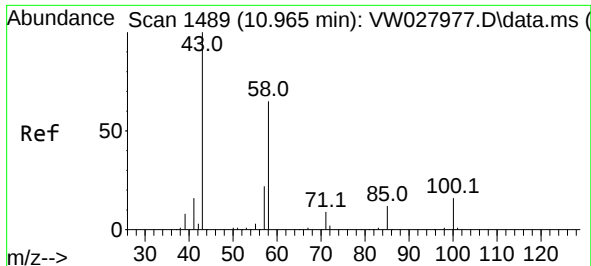
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 70708 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 67.3  | 43.3  | 80.5  |
| 83       | 86.5  | 57.2  | 106.2 |
| 85       | 55.0  | 35.5  | 65.9  |



#46  
Tetrachloroethene  
Concen: 24.209 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 77792 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 86.8  | 59.4  | 110.2 |
| 131      | 94.0  | 65.0  | 120.6 |
| 166      | 137.2 | 86.7  | 161.1 |

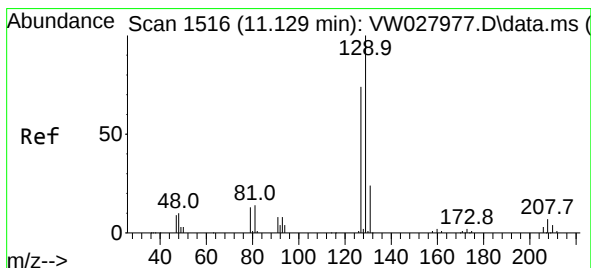
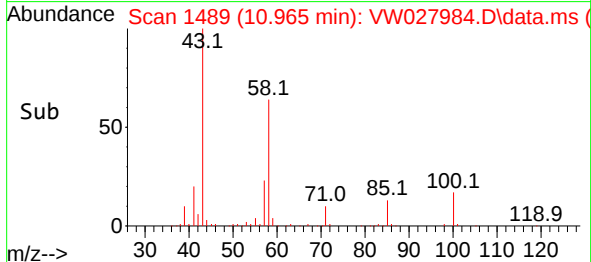
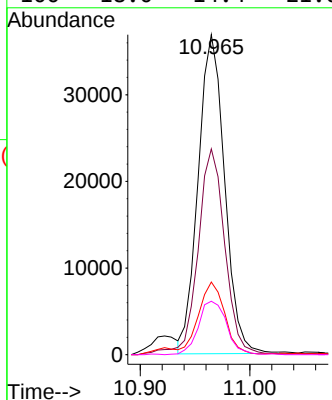
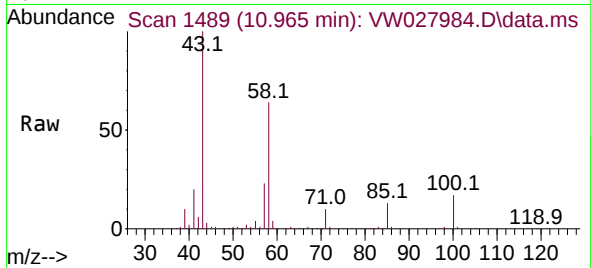




#48  
2-Hexanone  
Concen: 69.229 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

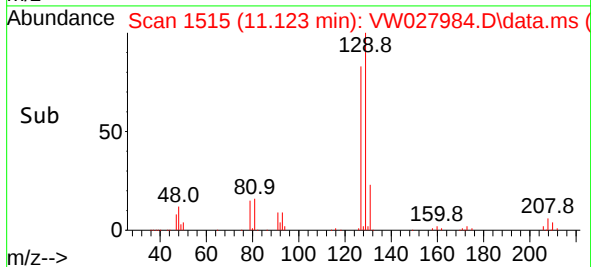
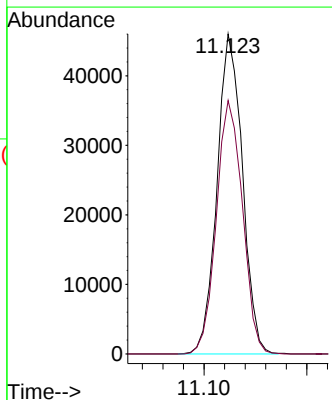
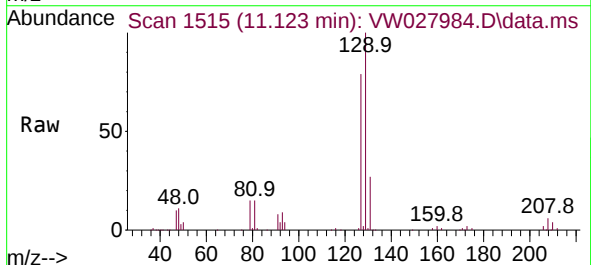
Instrument :  
MSVOA\_W  
ClientSampleId :

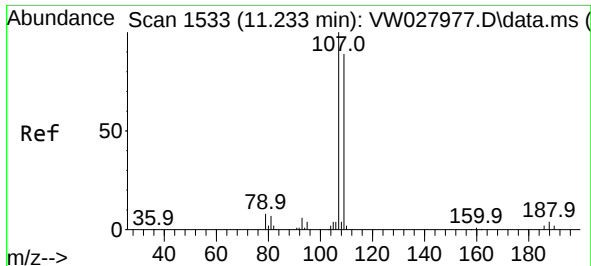
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 61868 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 65.5     | 51.4 77.2   |
| 57 22.4     | 17.4 26.2   |
| 100 18.0    | 14.4 21.6   |



#49  
Dibromochloromethane  
Concen: 27.912 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 78734 |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 79.2  | 49.6  | 92.0  |





#50

1,2-Dibromoethane

Concen: 28.844 ug/L

RT: 11.227 min Scan# 1

Delta R.T. -0.006 min

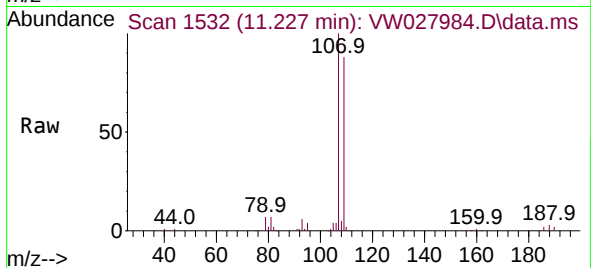
Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

ClientSampleId :



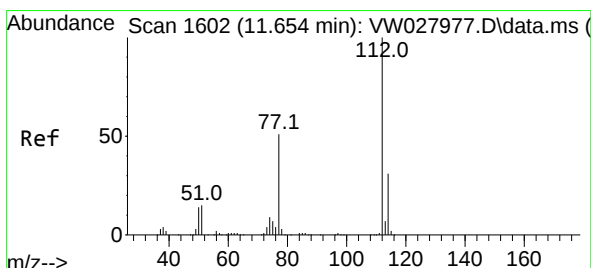
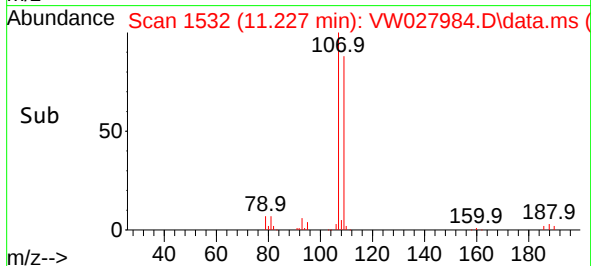
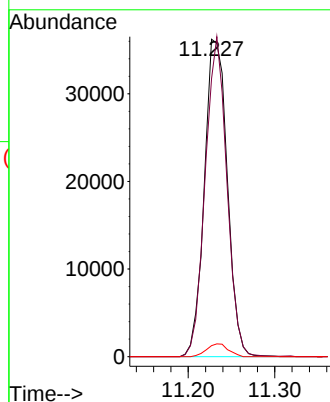
Tgt Ion:107 Resp: 66616

Ion Ratio Lower Upper

107 100

109 87.6 71.2 132.2

188 3.5 3.1 4.7



#51

Chlorobenzene

Concen: 25.474 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

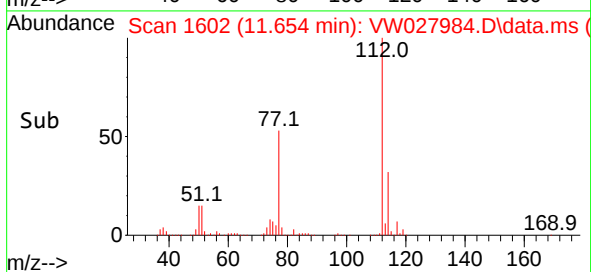
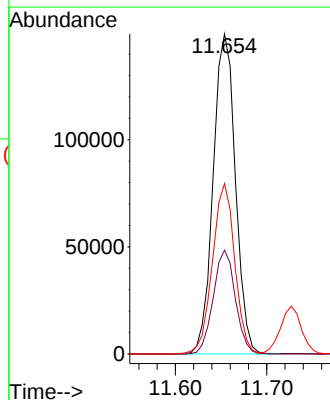
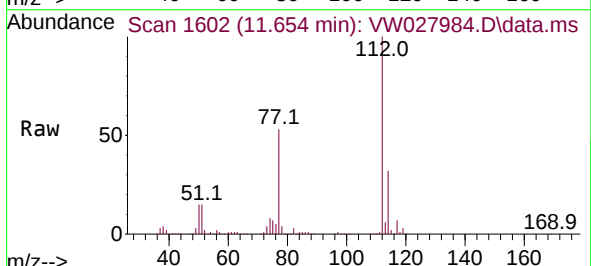
Tgt Ion:112 Resp: 252706

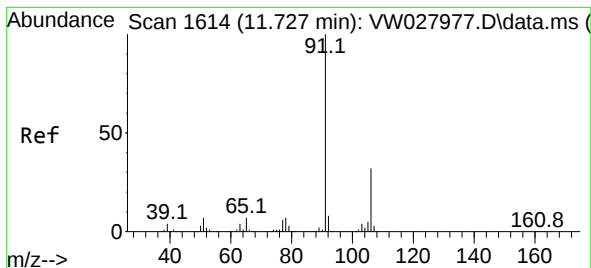
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.3

77 53.3 42.6 64.0

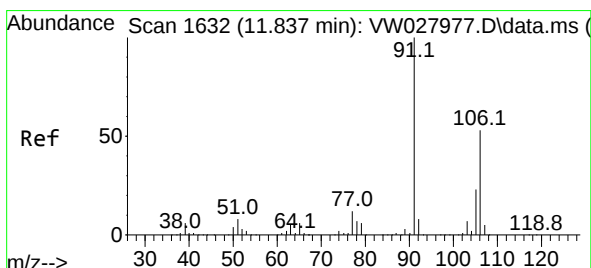
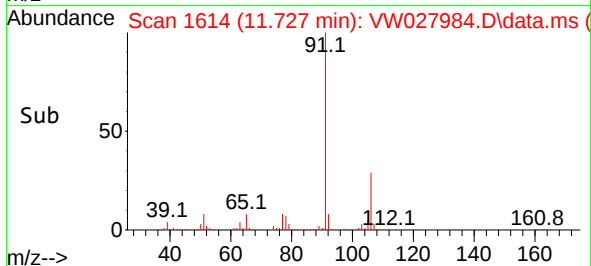
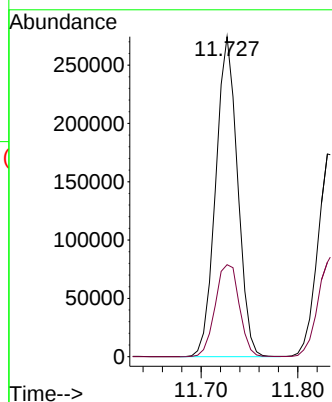
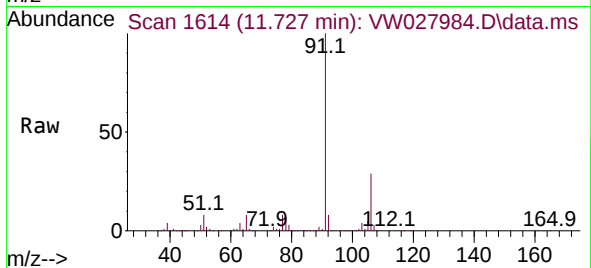




#52  
Ethylbenzene  
Concen: 25.579 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

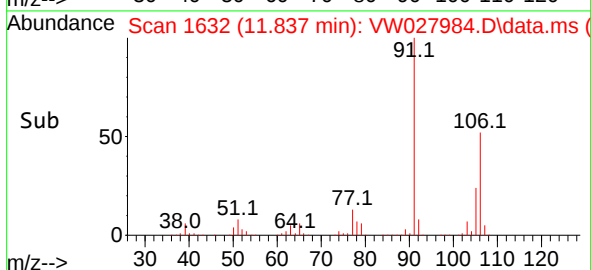
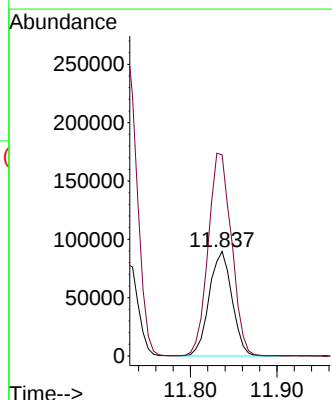
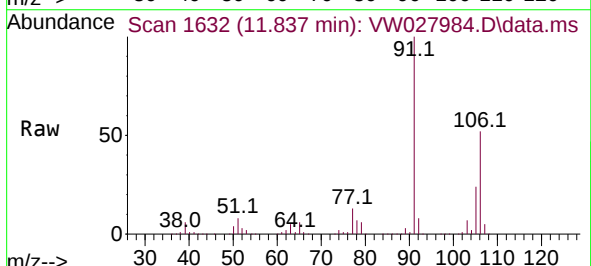
Instrument :  
MSVOA\_W  
ClientSampleId :

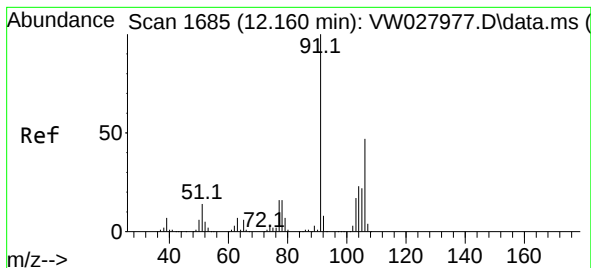
Tgt Ion: 91 Resp: 430143  
Ion Ratio Lower Upper  
91 100  
106 28.7 22.8 42.4



#53  
m,p-Xylene  
Concen: 24.869 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion:106 Resp: 164015  
Ion Ratio Lower Upper  
106 100  
91 192.5 130.0 241.4





#54

o-Xylene

Concen: 26.491 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

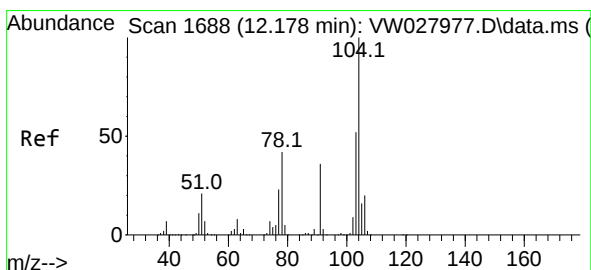
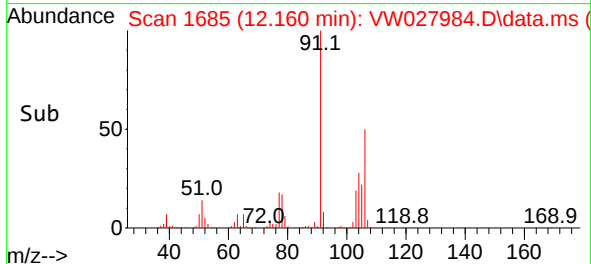
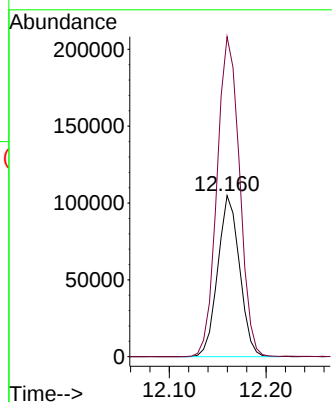
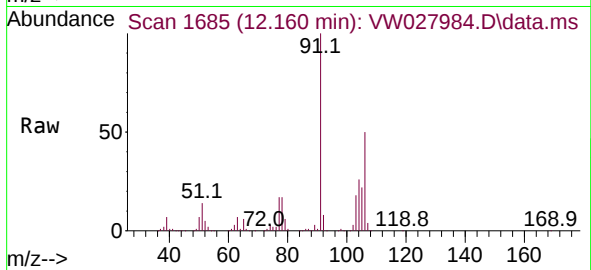
ClientSampleId :

Tgt Ion:106 Resp: 163857

Ion Ratio Lower Upper

106 100

91 198.6 146.4 272.0



#55

Styrene

Concen: 27.578 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW027984.D

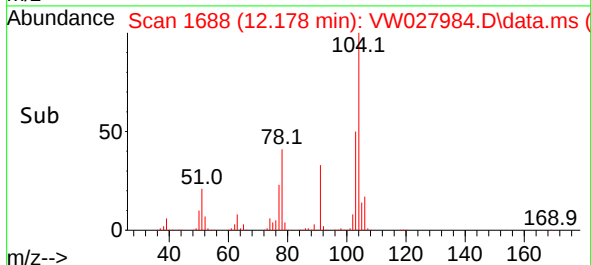
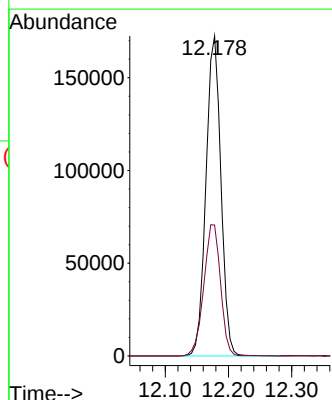
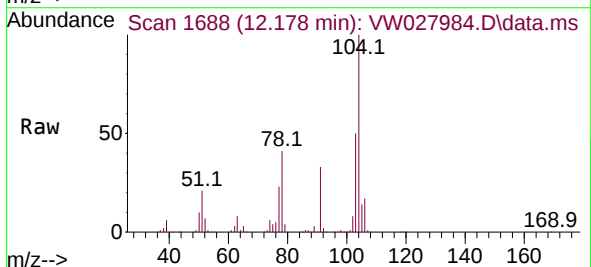
Acq: 09 Feb 2024 16:03

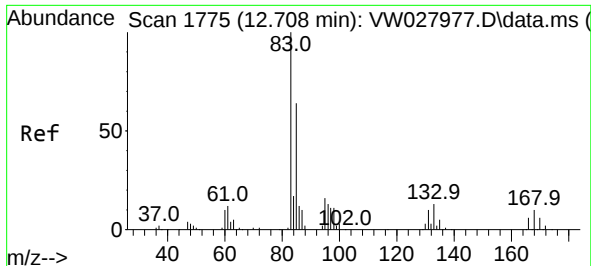
Tgt Ion:104 Resp: 284121

Ion Ratio Lower Upper

104 100

78 40.9 28.3 52.7





#57

1,1,2,2-Tetrachloroethane

Concen: 31.420 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027984.D

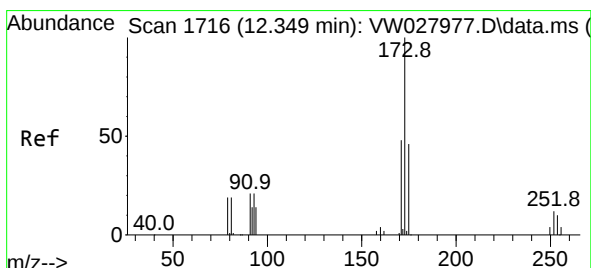
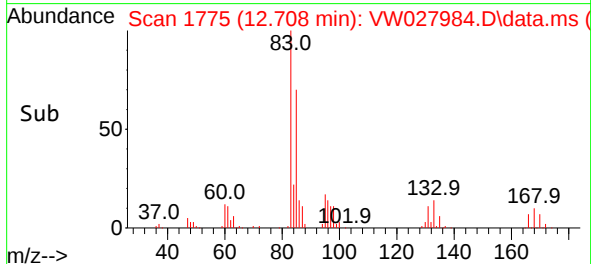
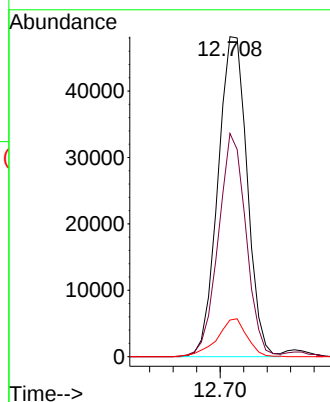
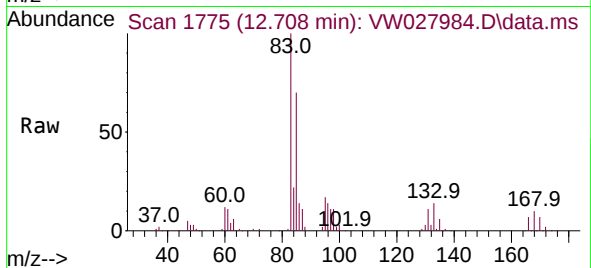
Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 83250    |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 85          | 69.7 42.9 79.7 |
| 131         | 11.4 8.7 13.1  |



#59

Bromoform

Concen: 28.134 ug/L

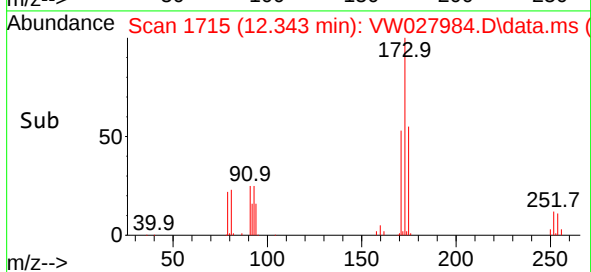
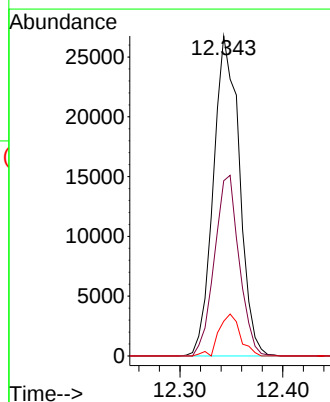
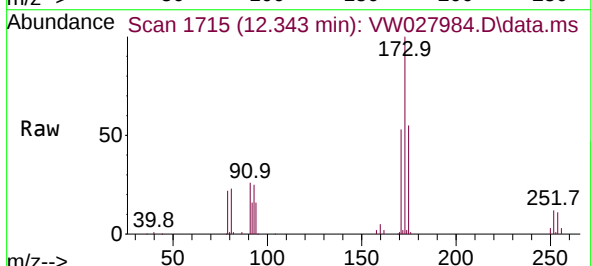
RT: 12.343 min Scan# 1715

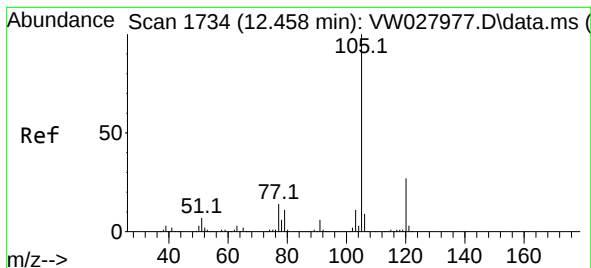
Delta R.T. -0.006 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

|              |                |
|--------------|----------------|
| Tgt Ion: 173 | Resp: 46947    |
| Ion Ratio    | Lower Upper    |
| 173          | 100            |
| 175          | 53.7 37.8 56.8 |
| 254          | 10.4 8.4 12.6  |





#60

Isopropylbenzene

Concen: 25.070 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

ClientSampleId :

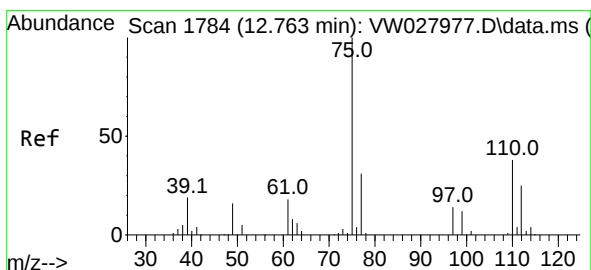
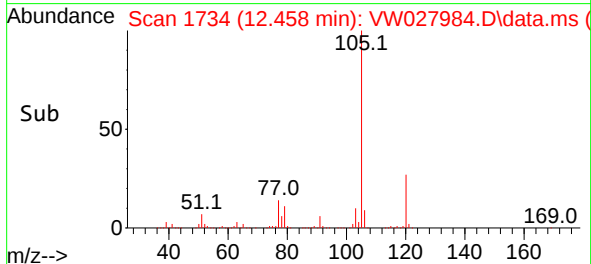
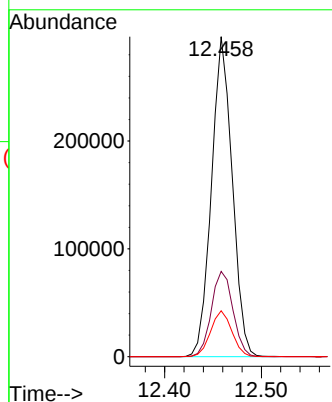
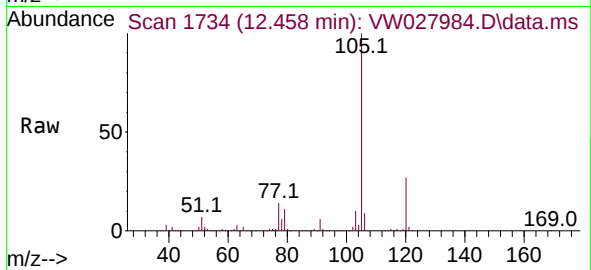
Tgt Ion:105 Resp: 442554

Ion Ratio Lower Upper

105 100

120 27.7 22.2 33.2

77 14.7 11.8 17.6



#61

1,2,3-Trichloropropane

Concen: 30.177 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

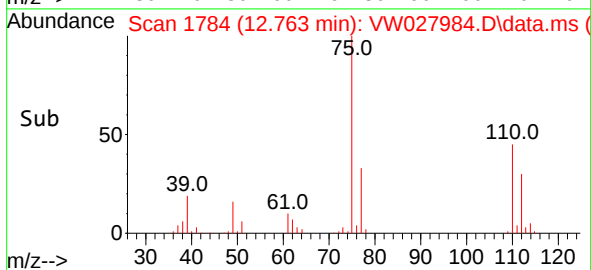
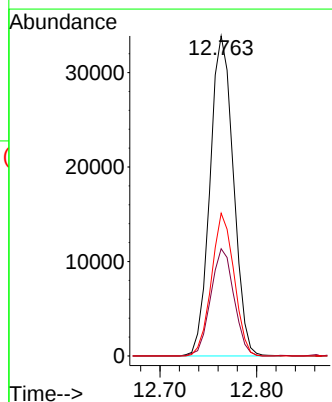
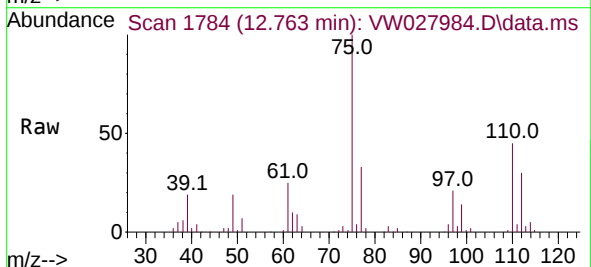
Tgt Ion: 75 Resp: 56938

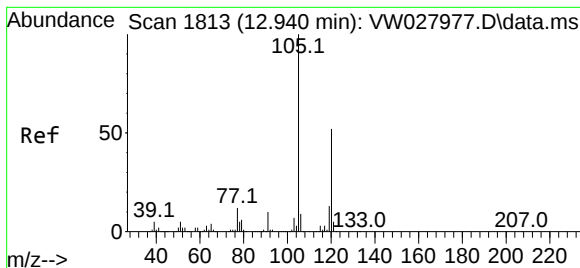
Ion Ratio Lower Upper

75 100

77 33.2 26.5 39.7

110 43.0 35.8 53.8





#62

1,3,5-Trimethylbenzene

Concen: 25.756 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

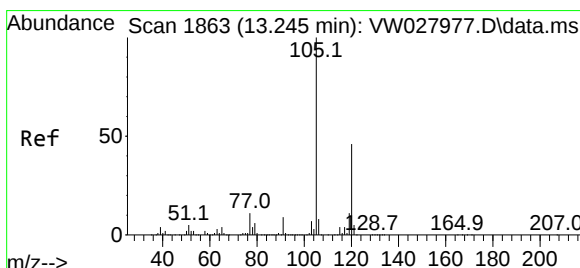
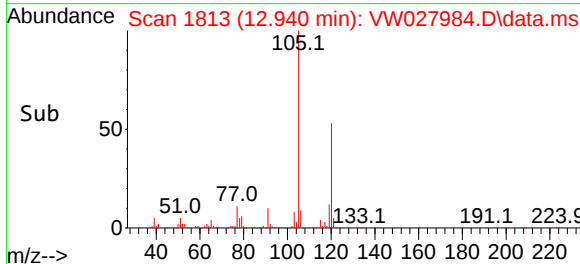
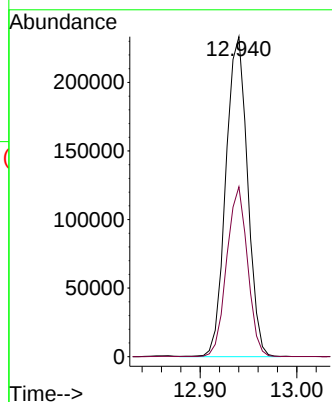
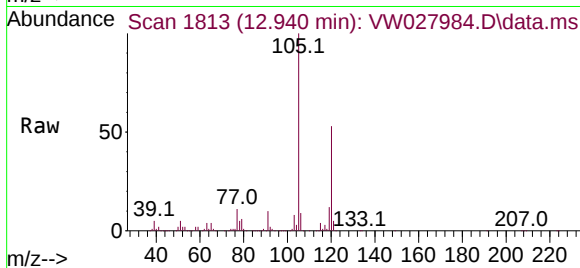
ClientSampleId :

Tgt Ion:105 Resp: 363840

Ion Ratio Lower Upper

105 100

120 50.9 40.3 60.5



#63

1,2,4-Trimethylbenzene

Concen: 26.255 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW027984.D

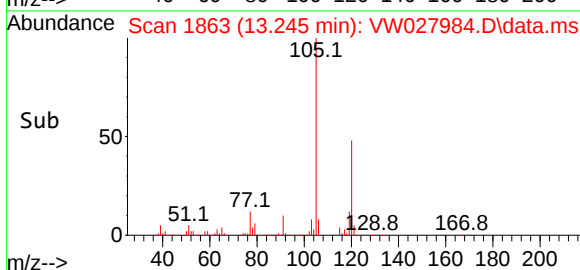
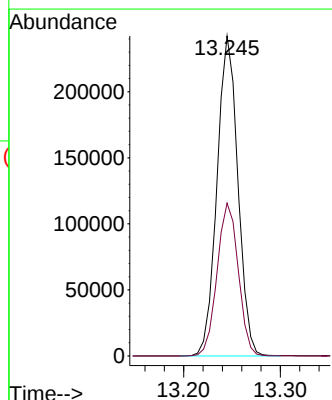
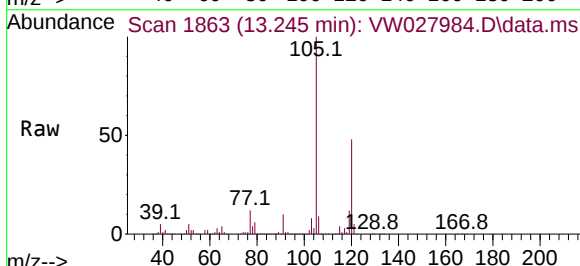
Acq: 09 Feb 2024 16:03

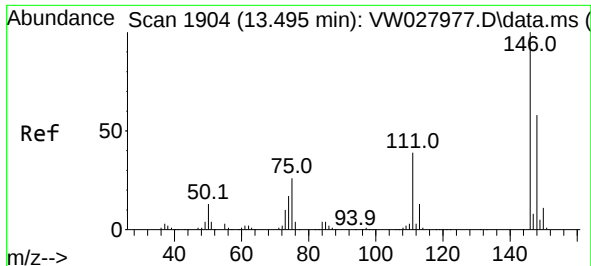
Tgt Ion:105 Resp: 362929

Ion Ratio Lower Upper

105 100

120 48.3 36.4 54.6

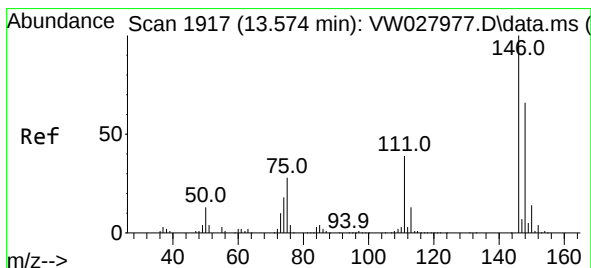
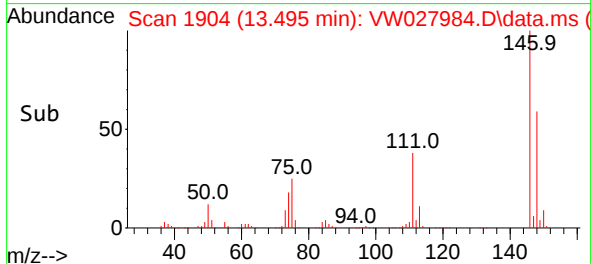
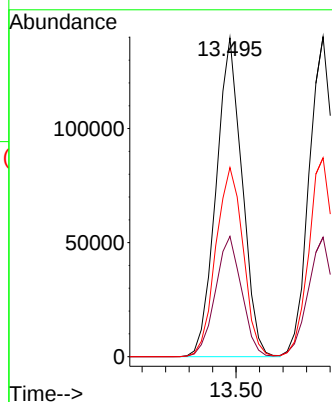
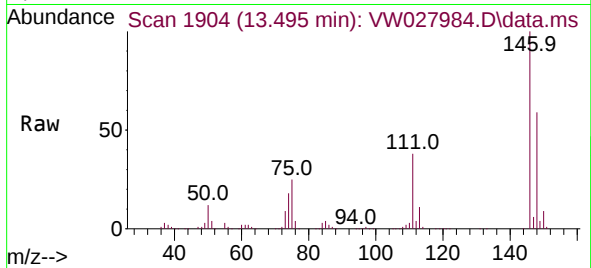




#64  
1,3-Dichlorobenzene  
Concen: 26.503 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

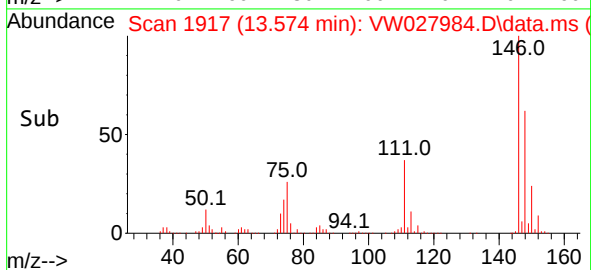
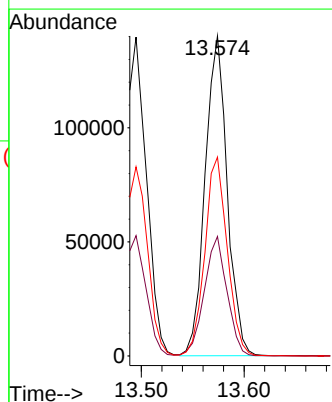
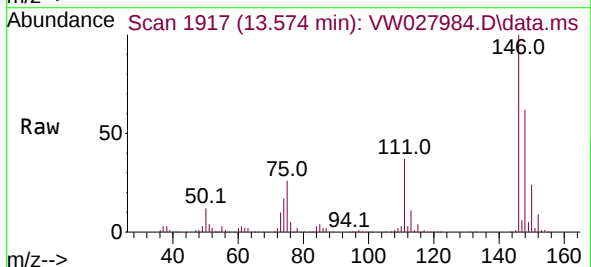
Instrument :  
MSVOA\_W  
ClientSampleId :

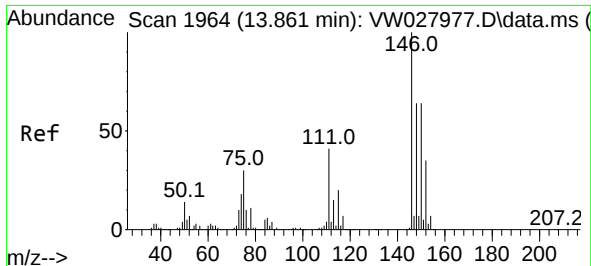
Tgt Ion:146 Resp: 214921  
Ion Ratio Lower Upper  
146 100  
111 37.8 26.9 49.9  
148 59.3 41.2 76.6



#65  
1,4-Dichlorobenzene  
Concen: 25.402 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

Tgt Ion:146 Resp: 209440  
Ion Ratio Lower Upper  
146 100  
111 37.4 24.1 44.8  
148 62.2 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 26.882 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

ClientSampleId :

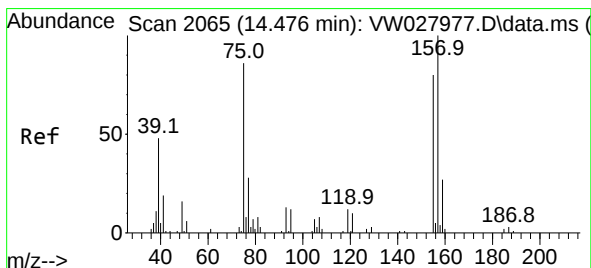
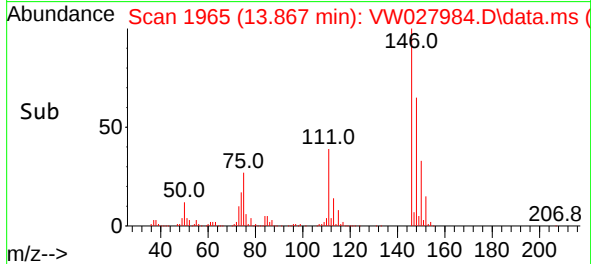
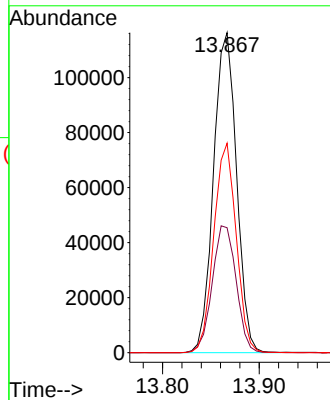
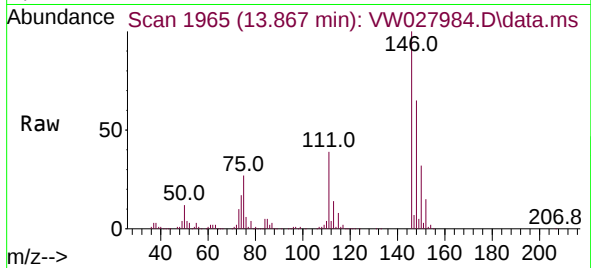
Tgt Ion:146 Resp: 192538

Ion Ratio Lower Upper

146 100

111 39.1 30.6 46.0

148 65.5 48.6 72.8



#68

1,2-Dibromo-3-chloropropane

Concen: 33.133 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

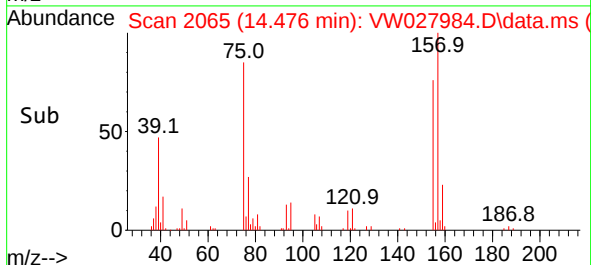
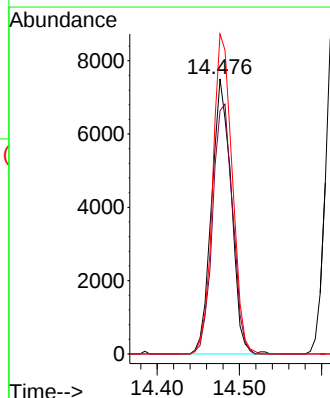
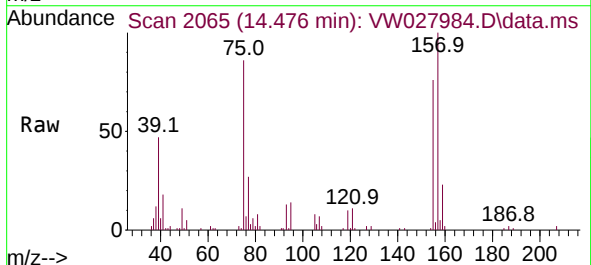
Tgt Ion: 75 Resp: 12412

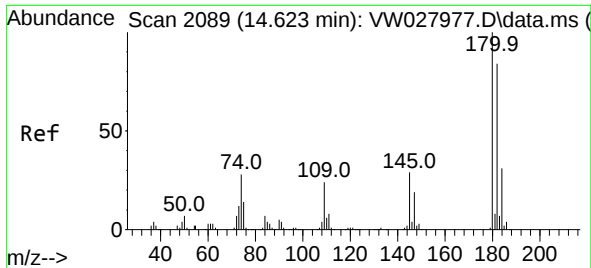
Ion Ratio Lower Upper

75 100

155 88.4 68.7 103.1

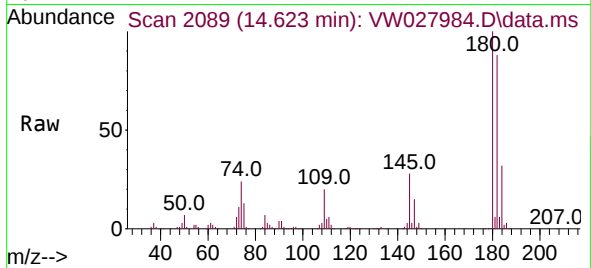
157 116.3 96.7 145.1



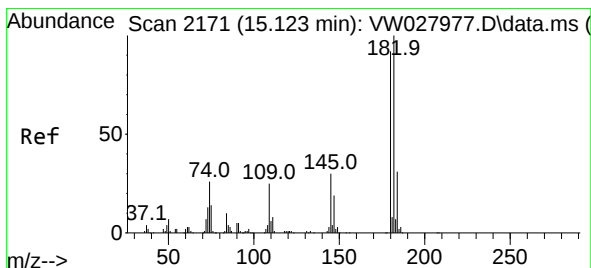
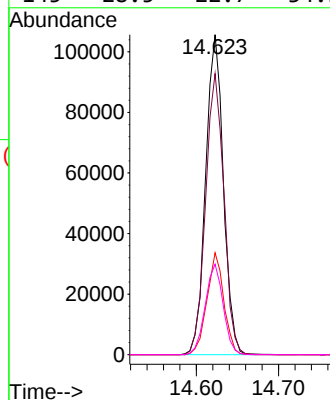
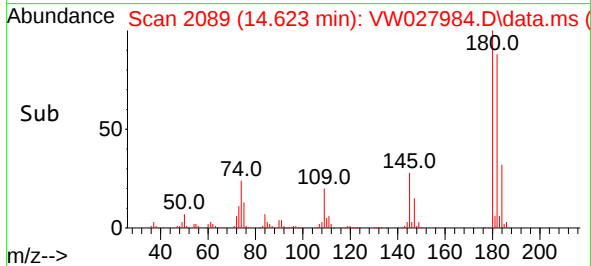


#69  
1,3,5-Trichlorobenzene  
Concen: 27.220 ug/L  
RT: 14.623 min Scan# 2089  
Delta R.T. -0.000 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03

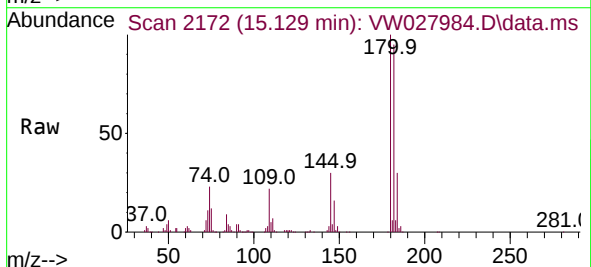
Instrument :  
MSVOA\_W  
ClientSampleId :



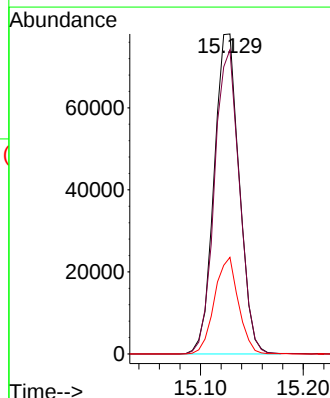
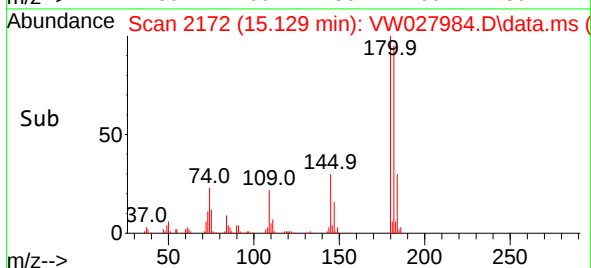
Tgt Ion:180 Resp: 158503  
Ion Ratio Lower Upper  
180 100  
182 90.5 72.1 108.1  
184 30.3 24.4 36.6  
145 28.5 22.7 34.1

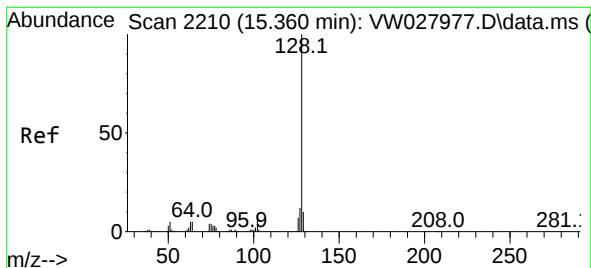


#70  
1,2,4-trichlorobenzene  
Concen: 28.155 ug/L  
RT: 15.129 min Scan# 2172  
Delta R.T. 0.006 min  
Lab File: VW027984.D  
Acq: 09 Feb 2024 16:03



Tgt Ion:180 Resp: 132394  
Ion Ratio Lower Upper  
180 100  
182 94.6 77.0 115.6  
145 28.7 23.4 35.0





#71

Naphthalene

Concen: 32.308 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA\_W

ClientSampleId :

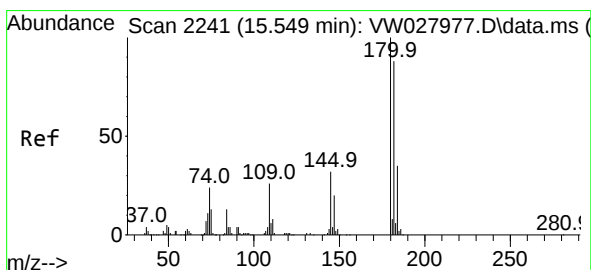
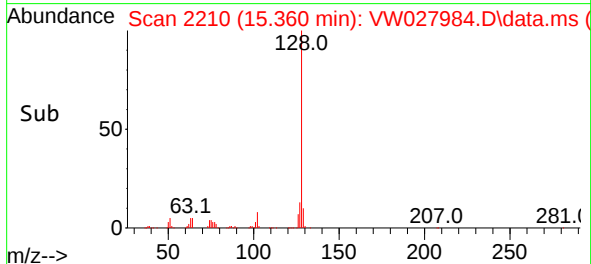
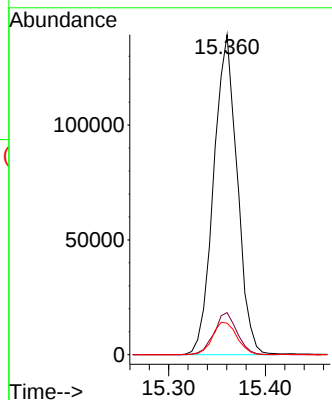
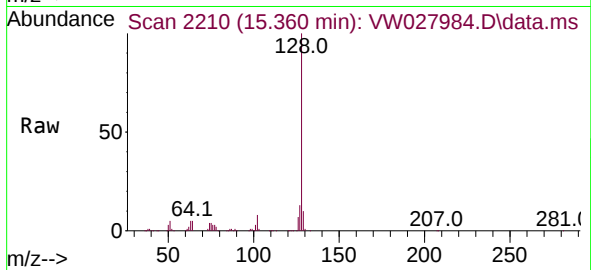
Tgt Ion:128 Resp: 236078

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.5 8.4 12.6



#72

1,2,3-Trichlorobenzene

Concen: 28.487 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW027984.D

Acq: 09 Feb 2024 16:03

Tgt Ion:180 Resp: 111760

Ion Ratio Lower Upper

180 100

182 99.0 76.5 114.7

145 31.6 25.8 38.8

