

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082324\  
 Data File : VW030020.D  
 Acq On : 23 Aug 2024 19:06  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 24 05:07:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Aug 24 05:00:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 314793   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 294341   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 149543   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 52805    | 11.816   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 47.280%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 48581    | 15.226   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 60.920%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 28324    | 13.884   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 55.520%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 45978    | 37.536   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 75.080%  |
| 24) Chloroform-d              | 7.648  | 84    | 172145   | 21.125   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 84.480%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 90236    | 19.441   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 77.760%  |
| 32) Benzene-d6                | 8.276  | 84    | 306107   | 19.247   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 77.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 95945    | 18.894   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 75.560%  |
| 41) Toluene-d8                | 10.318 | 98    | 286361   | 20.250   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 81.000%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 41444    | 20.169   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 80.680%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 39200    | 46.815   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 93.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 83816    | 22.229   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 88.920%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 107703   | 23.195   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 92.760%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.009  | 85    | 67380    | 15.879   | ug/L   | 92       |
| 3) Chloromethane              | 2.222  | 50    | 71811    | 13.677   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.369  | 62    | 97275    | 16.534   | ug/L   | 100      |
| 6) Bromomethane               | 2.783  | 94    | 67809    | 20.990   | ug/L   | 98       |
| 8) Chloroethane               | 2.936  | 64    | 65278    | 19.504   | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 115159   | 24.505   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 105511   | 22.543   | ug/L # | 78       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 94723    | 22.026   | ug/L   | 80       |
| 13) Acetone                   | 4.118  | 43    | 47642    | 31.298   | ug/L   | 90       |
| 14) Carbon disulfide          | 4.387  | 76    | 225753   | 15.774   | ug/L   | 97       |
| 16) Methylene chloride        | 4.917  | 84    | 128815   | 19.574   | ug/L   | 83       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 106981   | 23.085   | ug/L   | 83       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 198862   | 26.036   | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 210276   | 21.514   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 128485   | 25.559   | ug/L   | 91       |
| 22) 2-Butanone                | 7.167  | 43    | 66164    | 33.923   | ug/L   | 84       |
| 23) Bromochloromethane        | 7.514  | 128   | 57071    | 26.742   | ug/L # | 69       |
| 25) Chloroform                | 7.673  | 83    | 231889   | 25.182   | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.398  | 62    | 151025   | 22.504   | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082324\  
 Data File : VW030020.D  
 Acq On : 23 Aug 2024 19:06  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 24 05:07:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Aug 24 05:00:17 2024  
 Response via : Initial Calibration

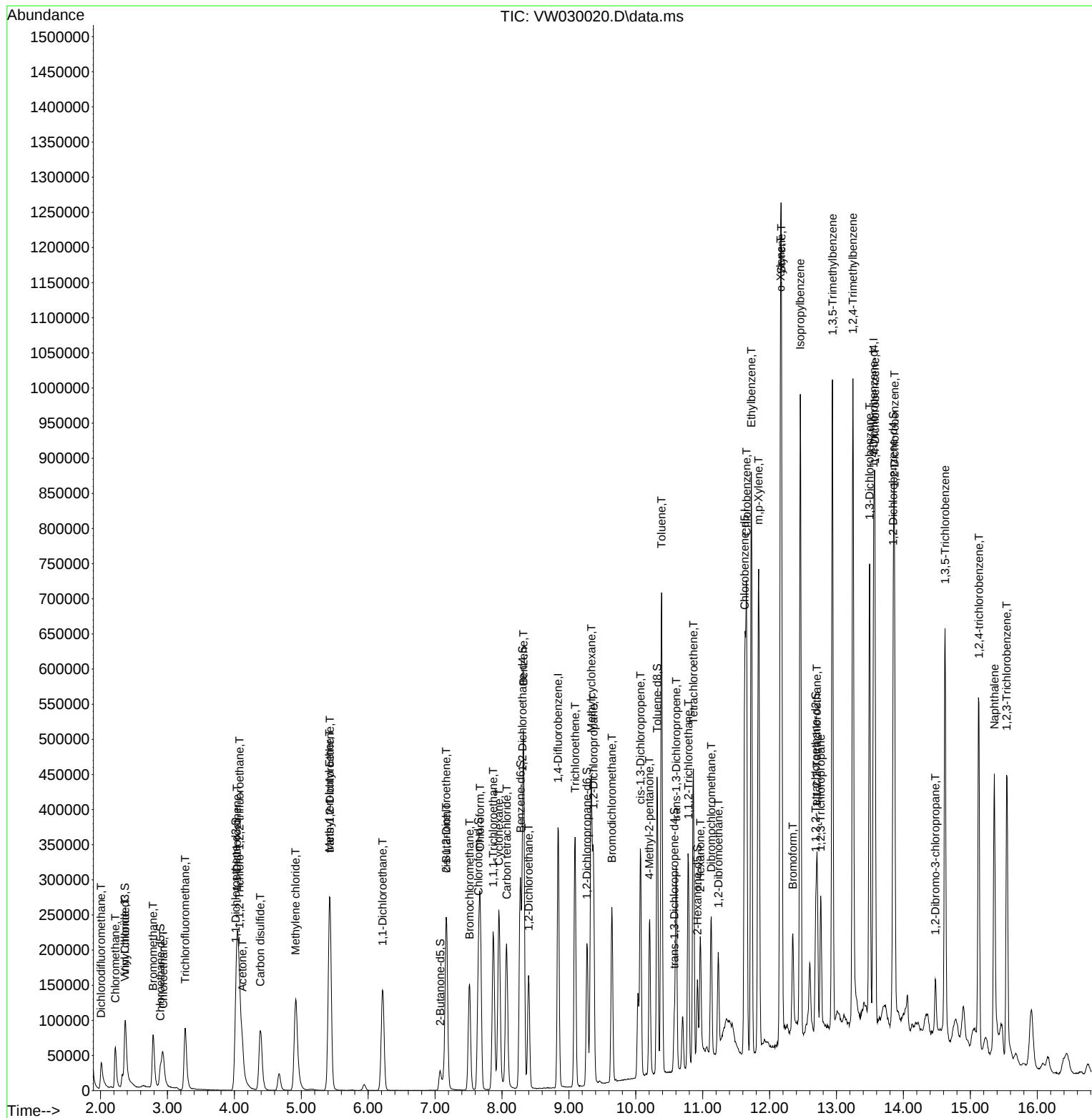
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 29) Cyclohexane               | 7.953  | 56   | 152441   | 18.224 | ug/L   | 89       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 188466   | 25.285 | ug/L   | 92       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 165088   | 24.580 | ug/L   | 99       |
| 33) Benzene                   | 8.319  | 78   | 464443   | 23.029 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 128787   | 24.360 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 190874   | 21.667 | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 120696   | 21.839 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.642  | 83   | 170444   | 25.898 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 196372   | 24.398 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 10.203 | 43   | 142335   | 40.546 | ug/L # | 87       |
| 42) Toluene                   | 10.386 | 91   | 516588   | 25.095 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 163870   | 24.525 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 99774    | 26.873 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 96198    | 25.035 | ug/L   | 90       |
| 48) 2-Hexanone                | 10.965 | 43   | 99705    | 37.923 | ug/L # | 89       |
| 49) Dibromochloromethane      | 11.129 | 129  | 104886   | 27.212 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 93408    | 27.190 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.654 | 112  | 332583   | 25.973 | ug/L   | 92       |
| 52) Ethylbenzene              | 11.727 | 91   | 587128   | 25.284 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.836 | 106  | 218992   | 25.643 | ug/L   | 94       |
| 54) o-Xylene                  | 12.166 | 106  | 212518   | 27.023 | ug/L   | 99       |
| 55) Styrene                   | 12.178 | 104  | 375938   | 27.578 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 112199   | 24.621 | ug/L # | 96       |
| 59) Bromoform                 | 12.349 | 173  | 67827    | 30.143 | ug/L   | 96       |
| 60) Isopropylbenzene          | 12.458 | 105  | 584063   | 25.240 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 82557    | 22.699 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 501337   | 29.147 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 488876   | 26.577 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 269489   | 27.295 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 259401   | 25.578 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 239622   | 26.658 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 19055    | 23.074 | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 178164   | 26.375 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 163796   | 28.782 | ug/L   | 93       |
| 71) Naphthalene               | 15.360 | 128  | 327273   | 30.139 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 145932   | 28.332 | ug/L   | 96       |

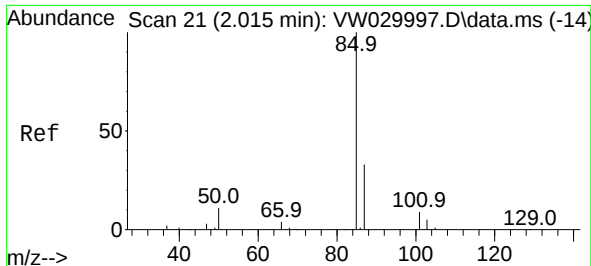
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082324\  
Data File : VW030020.D  
Acq On : 23 Aug 2024 19:06  
Operator : SY/MD  
Sample : VSTDCCC025EC  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Aug 24 05:07:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Aug 24 05:00:17 2024  
Response via : Initial Calibration

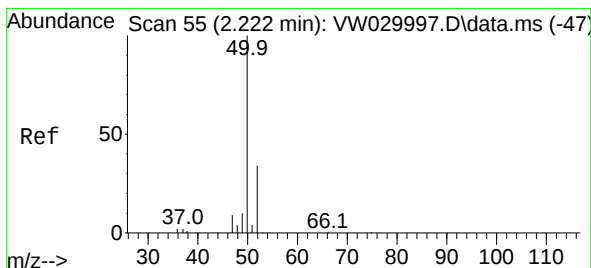
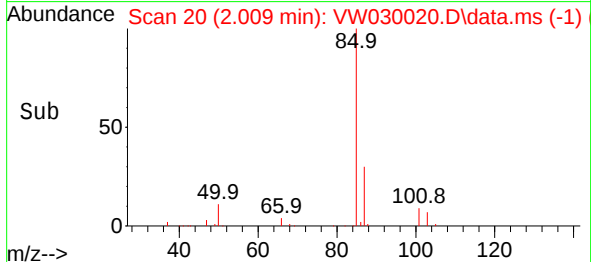
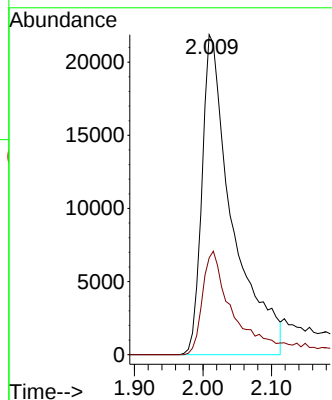
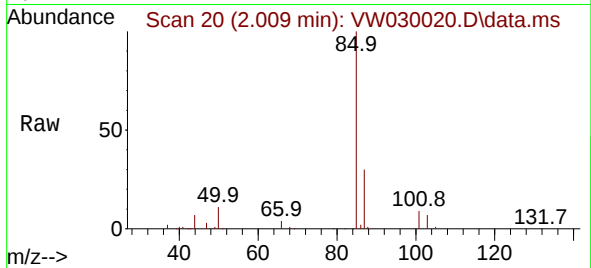




#2  
Dichlorodifluoromethane  
Concen: 15.879 ug/L  
RT: 2.009 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

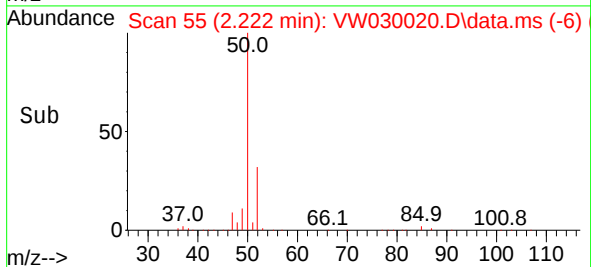
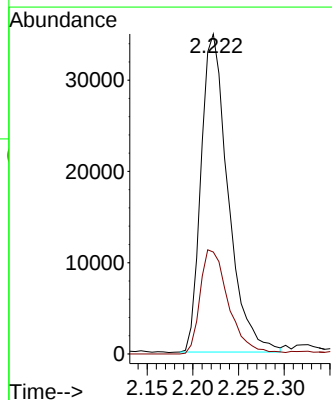
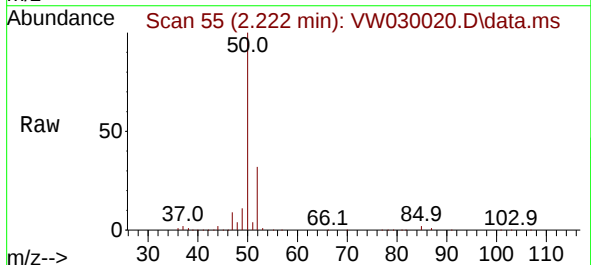
Instrument :  
MSVOA\_W  
ClientSampleId :

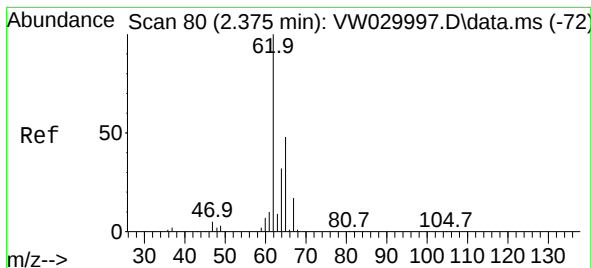
Tgt Ion: 85 Resp: 67380  
Ion Ratio Lower Upper  
85 100  
87 27.3 25.5 38.3



#3  
Chloromethane  
Concen: 13.677 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Tgt Ion: 50 Resp: 71811  
Ion Ratio Lower Upper  
50 100  
52 31.8 22.5 41.9





#5

Vinyl chloride

Concen: 16.534 ug/L

RT: 2.369 min Scan# 74

Delta R.T. -0.006 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

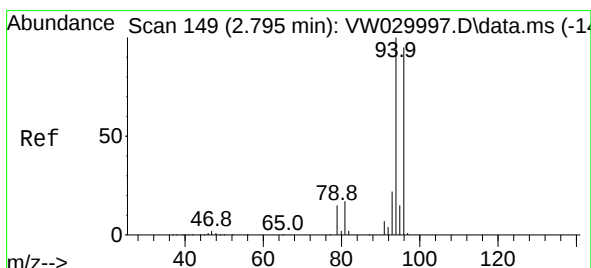
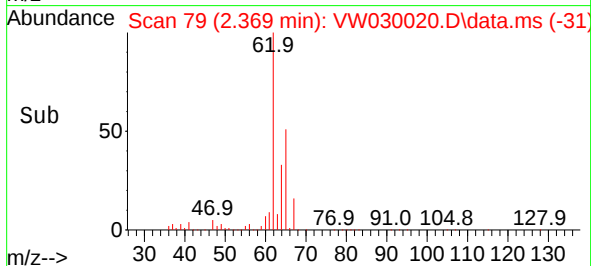
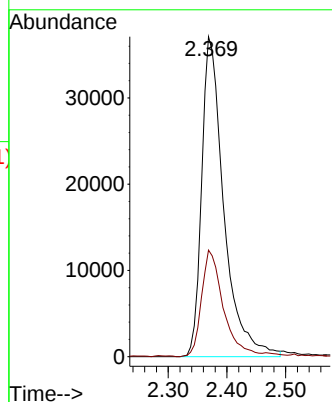
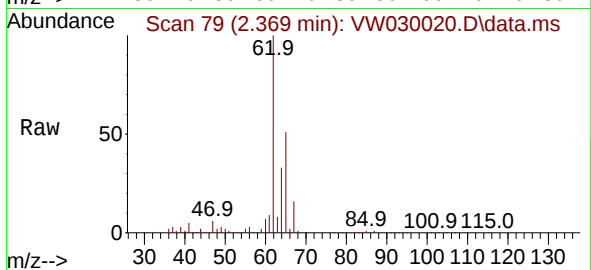
ClientSampleId :

Tgt Ion: 62 Resp: 97275

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



#6

Bromomethane

Concen: 20.990 ug/L

RT: 2.783 min Scan# 147

Delta R.T. -0.012 min

Lab File: VW030020.D

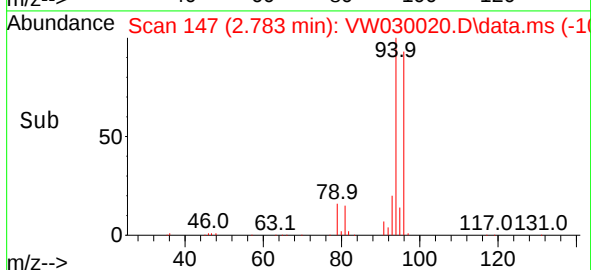
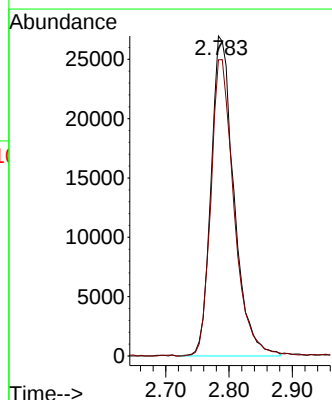
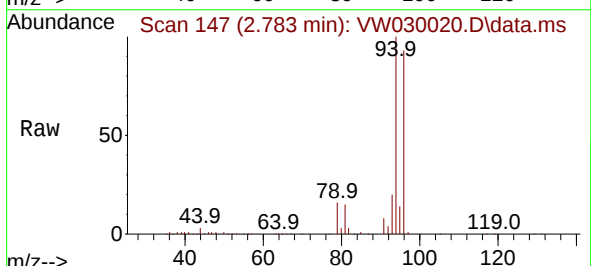
Acq: 23 Aug 2024 19:06

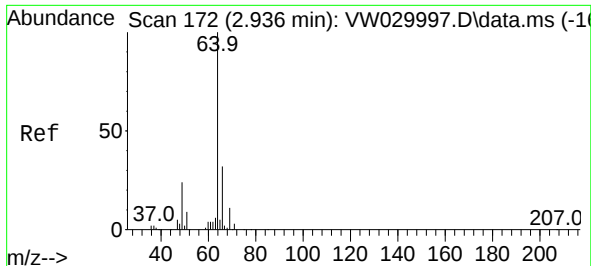
Tgt Ion: 94 Resp: 67809

Ion Ratio Lower Upper

94 100

96 92.6 66.2 123.0

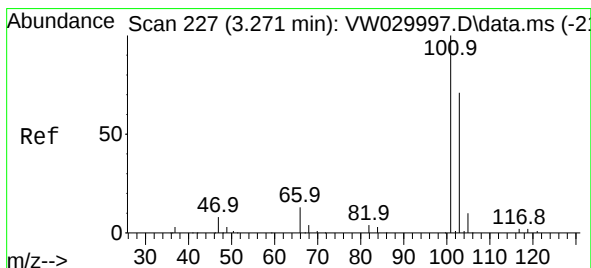
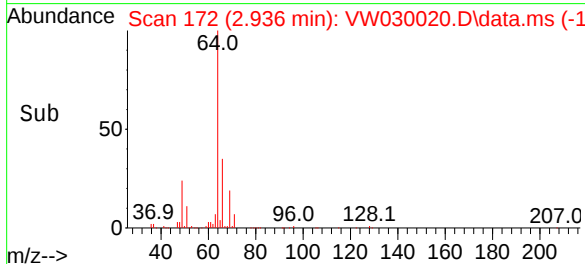
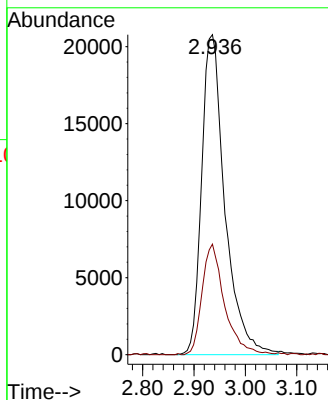
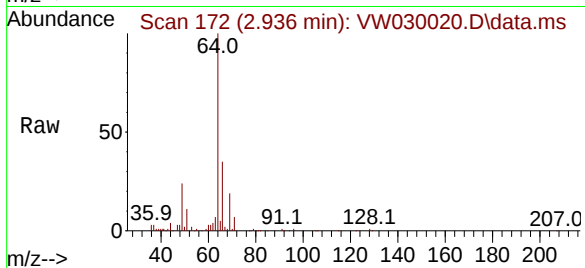




#8  
Chloroethane  
Concen: 19.504 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

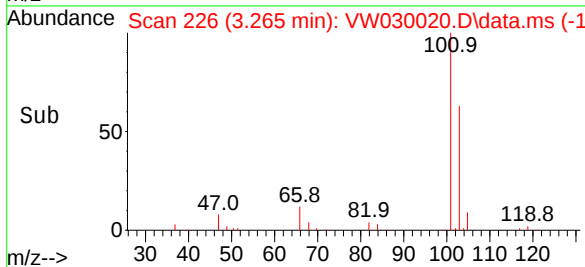
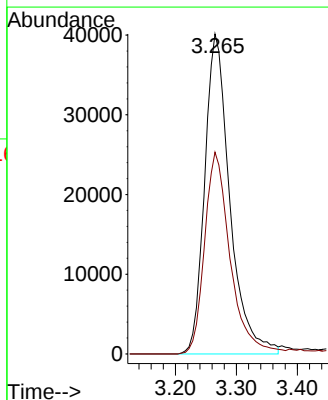
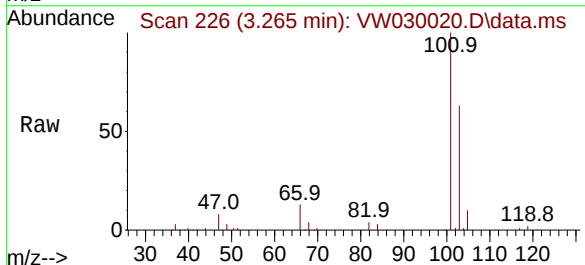
Instrument :  
MSVOA\_W  
ClientSampleId :

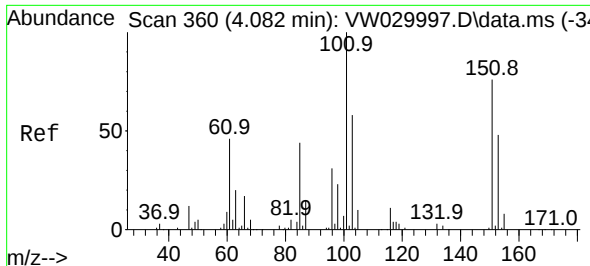
Tgt Ion: 64 Resp: 65278  
Ion Ratio Lower Upper  
64 100  
66 34.5 21.2 39.4



#9  
Trichlorofluoromethane  
Concen: 24.505 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Tgt Ion:101 Resp: 115159  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.0 76.4





#10

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

Concen: 22.543 ug/L

RT: 4.076 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

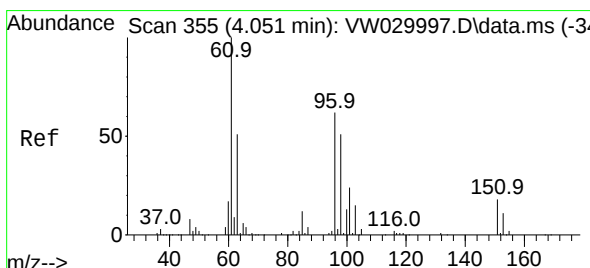
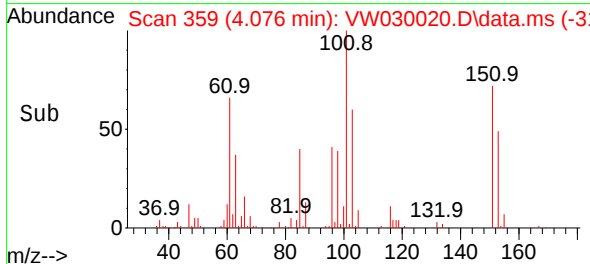
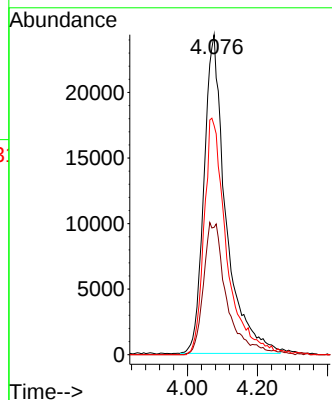
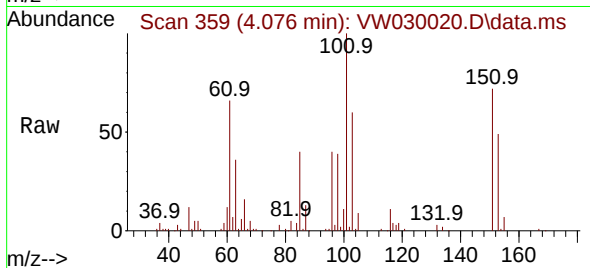
Tgt Ion:101 Resp: 105511

Ion Ratio Lower Upper

101 100

85 17.6 34.2 51.4#

151 75.9 54.2 81.2



#12

1,1-Dichloroethene

Concen: 22.026 ug/L

RT: 4.039 min Scan# 353

Delta R.T. -0.012 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

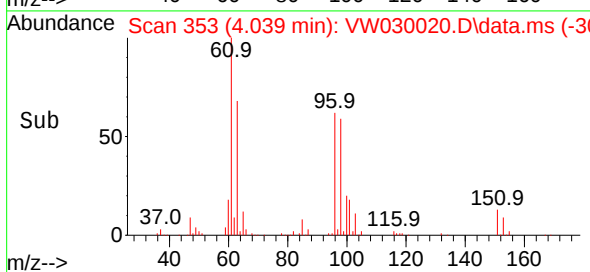
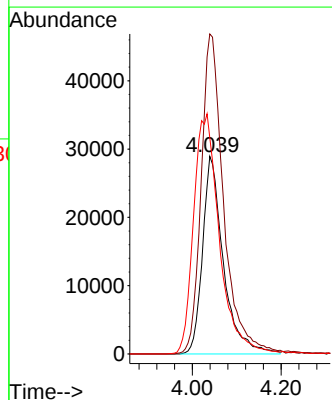
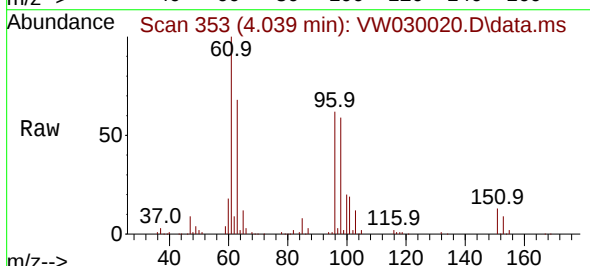
Tgt Ion: 96 Resp: 94723

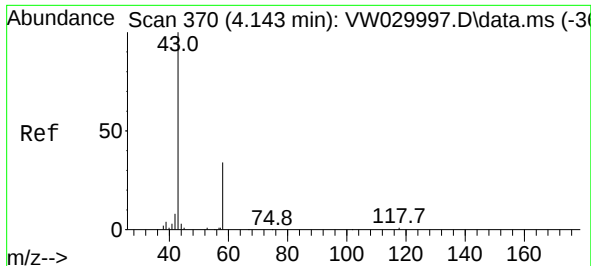
Ion Ratio Lower Upper

96 100

61 162.0 138.3 256.9

63 109.4 89.0 165.4

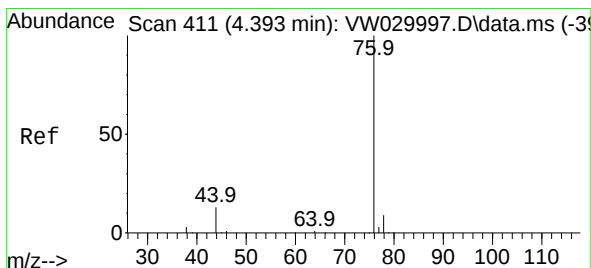
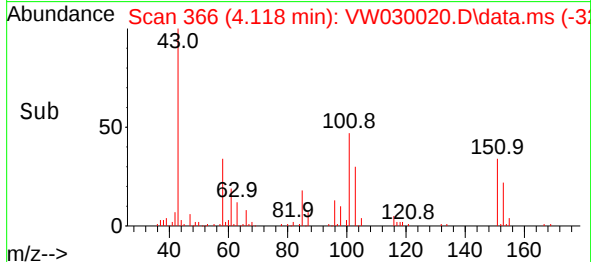
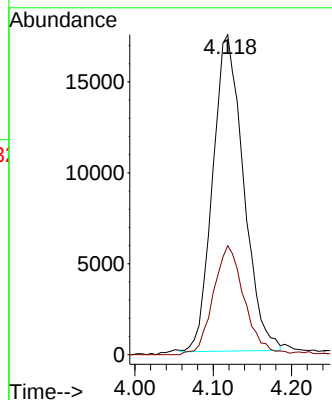
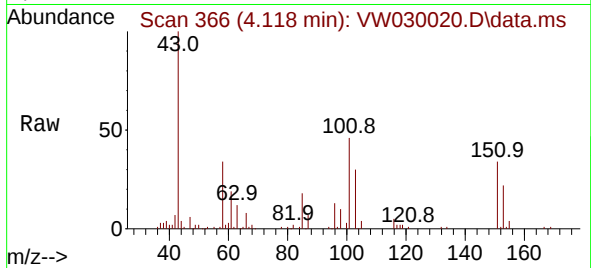




#13  
Acetone  
Concen: 31.298 ug/L  
RT: 4.118 min Scan# 301  
Delta R.T. -0.024 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

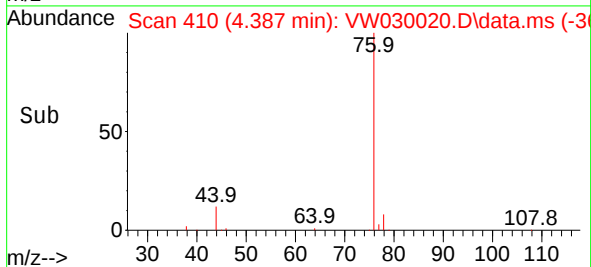
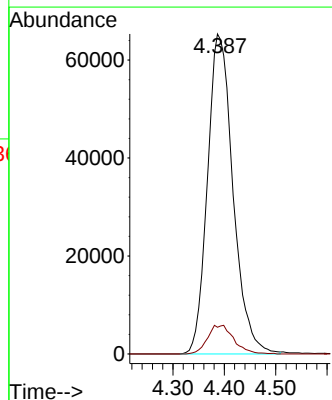
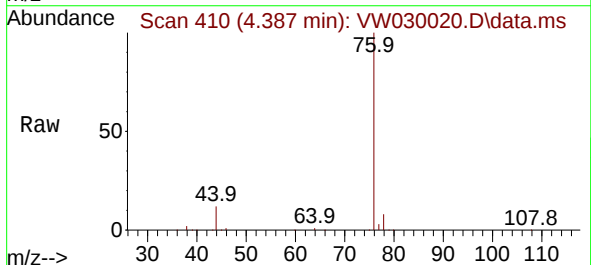
Instrument :  
MSVOA\_W  
ClientSampleId :

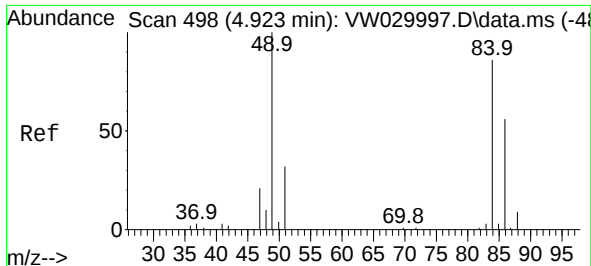
Tgt Ion: 43 Resp: 47642  
Ion Ratio Lower Upper  
43 100  
58 34.2 0.0 57.6



#14  
Carbon disulfide  
Concen: 15.774 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Tgt Ion: 76 Resp: 225753  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.6 11.4

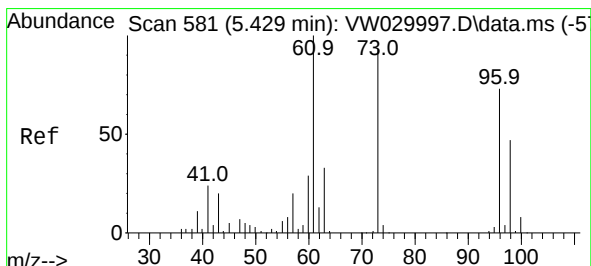
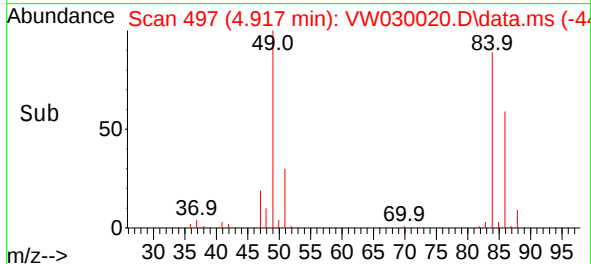
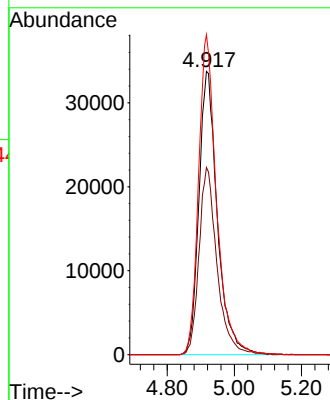
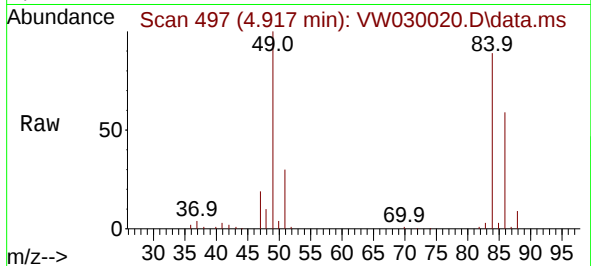




#16  
Methylene chloride  
Concen: 19.574 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.006 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

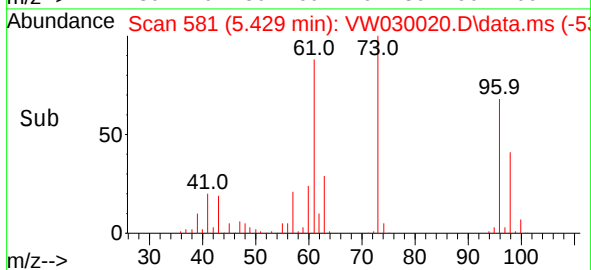
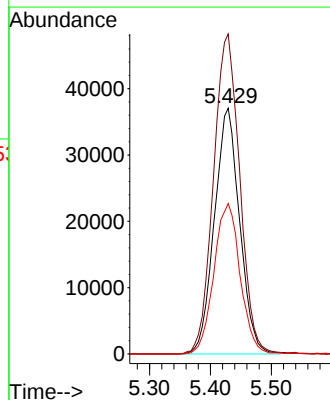
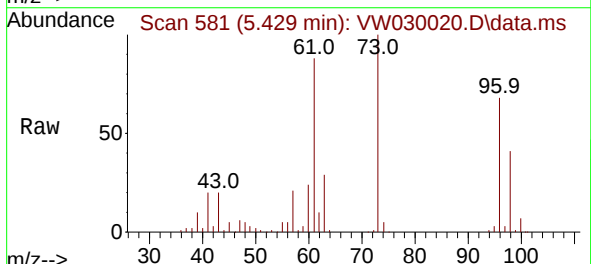
Instrument :  
MSVOA\_W  
ClientSampleId :

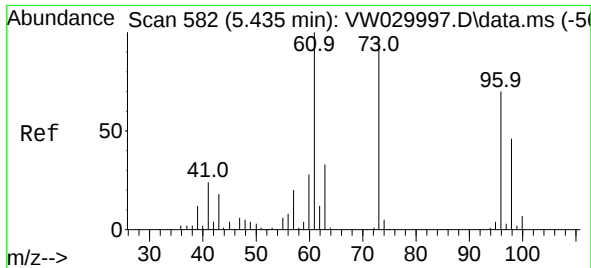
Tgt Ion: 84 Resp: 128815  
Ion Ratio Lower Upper  
84 100  
86 66.1 44.7 82.9  
49 112.9 99.0 184.0



#17  
trans-1,2-Dichloroethene  
Concen: 23.085 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

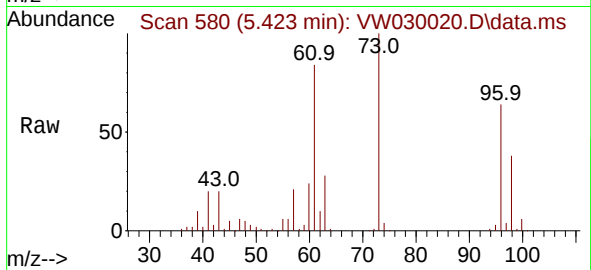
Tgt Ion: 96 Resp: 106981  
Ion Ratio Lower Upper  
96 100  
61 130.2 111.2 206.6  
98 61.2 45.0 83.6



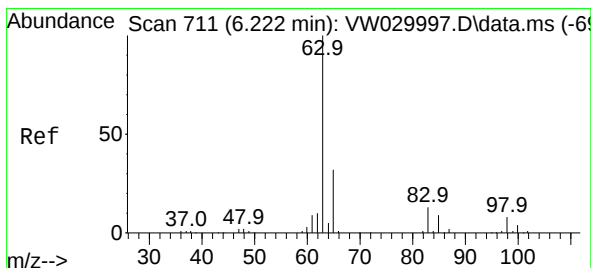
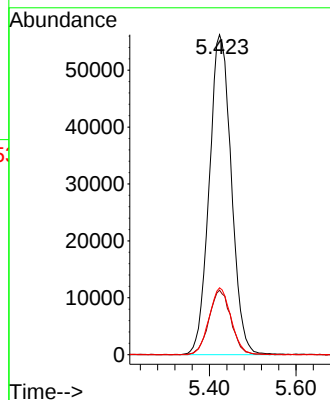
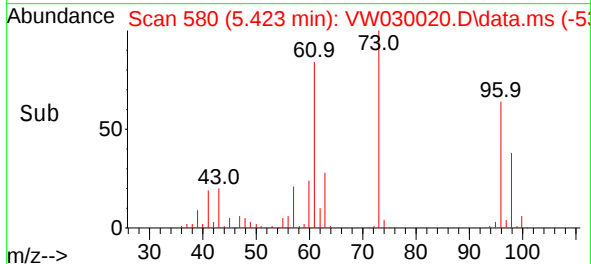


#18  
Methyl tert-butyl Ether  
Concen: 26.036 ug/L  
RT: 5.423 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Instrument :  
MSVOA\_W  
ClientSampleId :

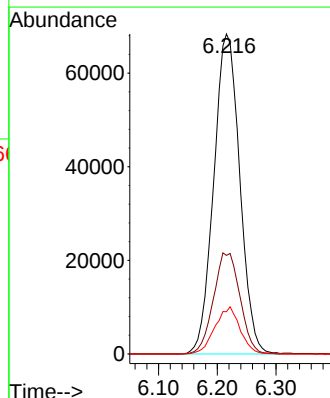
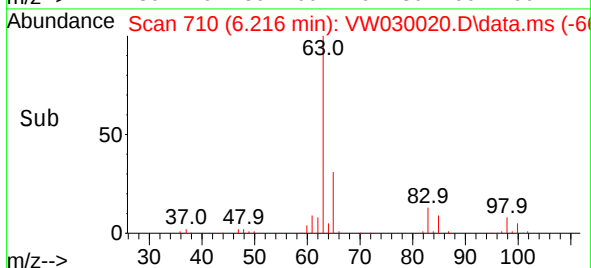
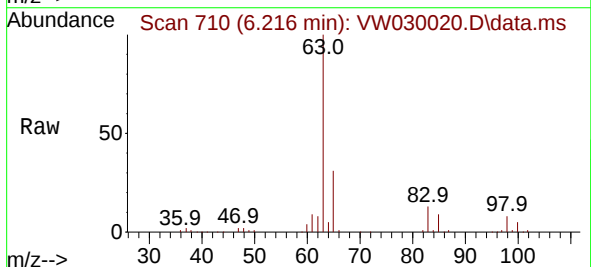


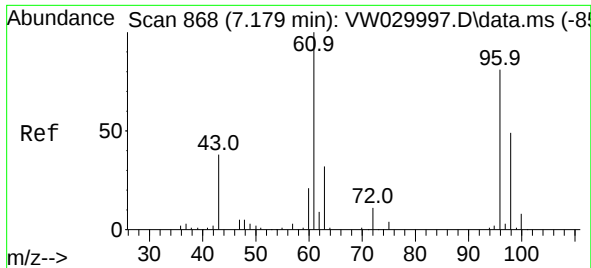
Tgt Ion: 73 Resp: 198862  
Ion Ratio Lower Upper  
73 100  
43 20.0 18.3 27.5  
57 20.8 17.9 26.9



#19  
1,1-Dichloroethane  
Concen: 21.514 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Tgt Ion: 63 Resp: 210276  
Ion Ratio Lower Upper  
63 100  
65 30.8 22.3 41.3  
83 13.2 8.5 15.7





#20

cis-1,2-Dichloroethene

Concen: 25.559 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.012 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

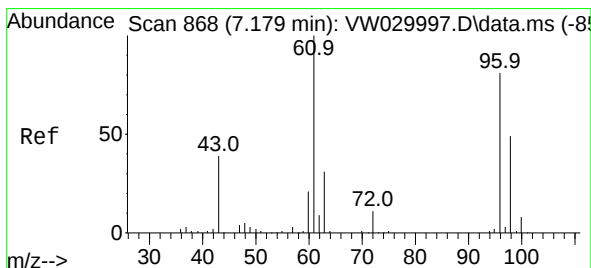
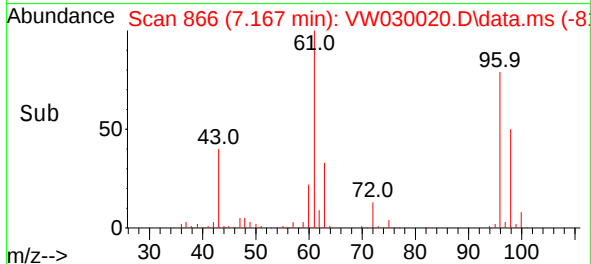
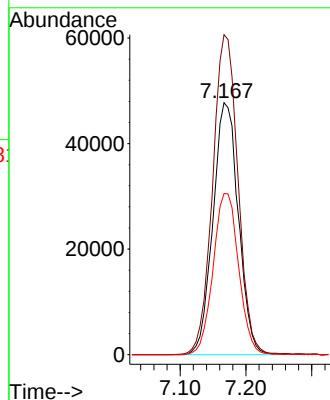
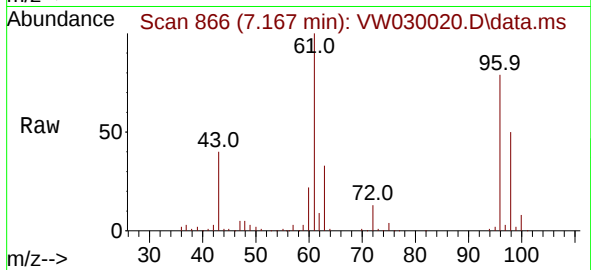
Tgt Ion: 96 Resp: 128485

Ion Ratio Lower Upper

96 100

61 127.0 98.2 182.4

98 63.9 41.9 77.9



#22

2-Butanone

Concen: 33.923 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.012 min

Lab File: VW030020.D

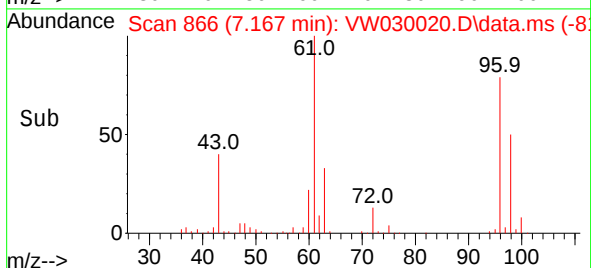
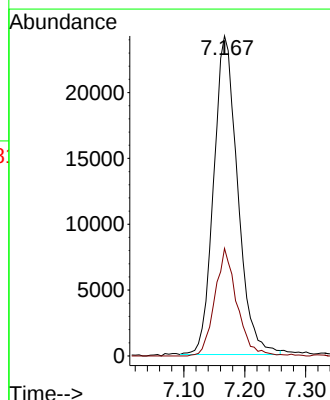
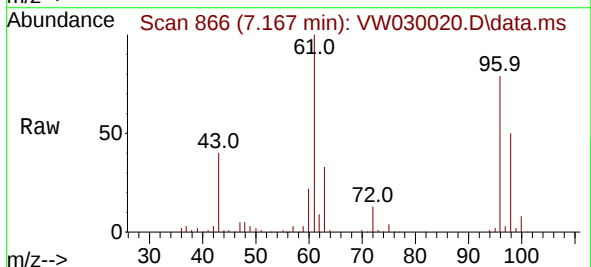
Acq: 23 Aug 2024 19:06

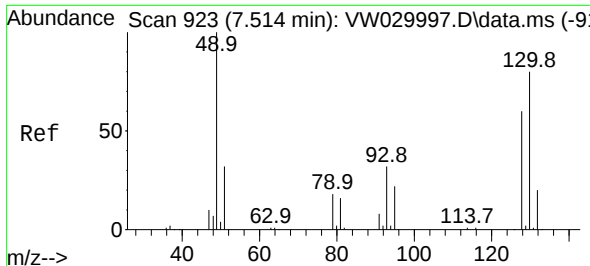
Tgt Ion: 43 Resp: 66164

Ion Ratio Lower Upper

43 100

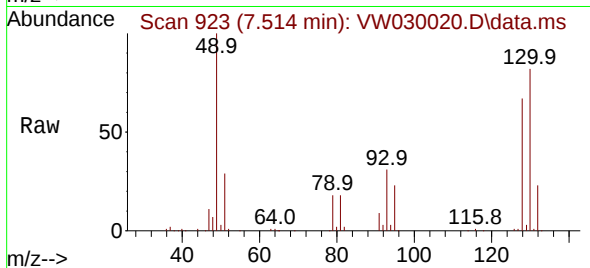
72 31.0 11.7 35.1



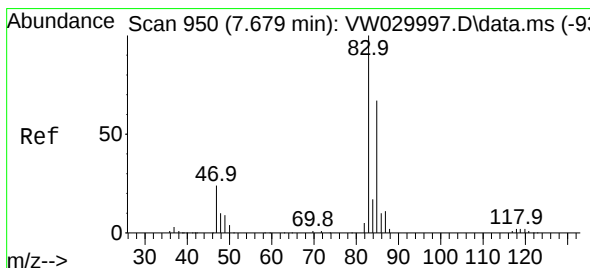
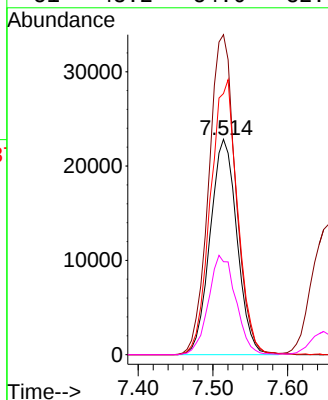
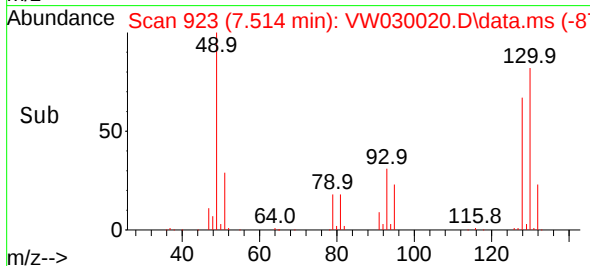


#23  
Bromochloromethane  
Concen: 26.742 ug/L  
RT: 7.514 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Instrument :  
MSVOA\_W  
ClientSampleId :

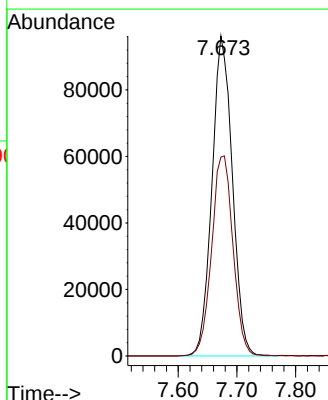
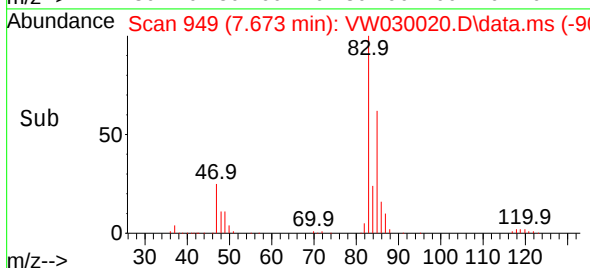
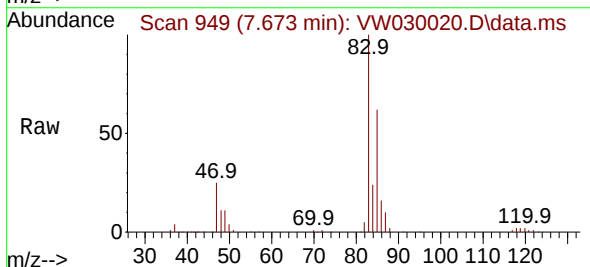


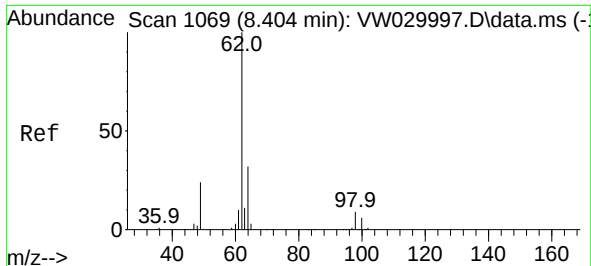
Tgt Ion:128 Resp: 57071  
Ion Ratio Lower Upper  
128 100  
49 148.6 151.1 280.7#  
130 121.2 96.8 179.8  
51 43.2 54.6 82.0#



#25  
Chloroform  
Concen: 25.182 ug/L  
RT: 7.673 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Tgt Ion: 83 Resp: 231889  
Ion Ratio Lower Upper  
83 100  
85 62.2 44.4 82.4





#27

1,2-Dichloroethane

Concen: 22.504 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

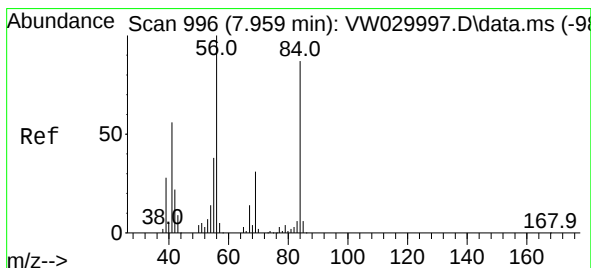
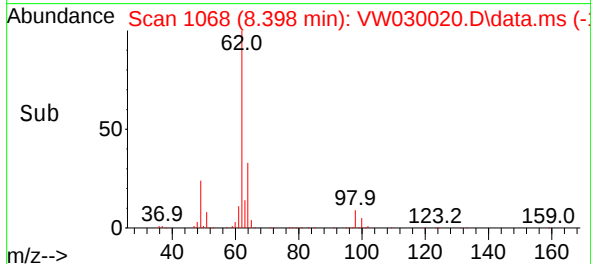
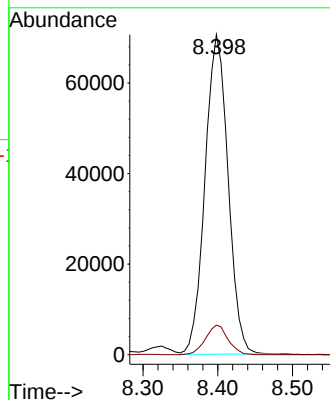
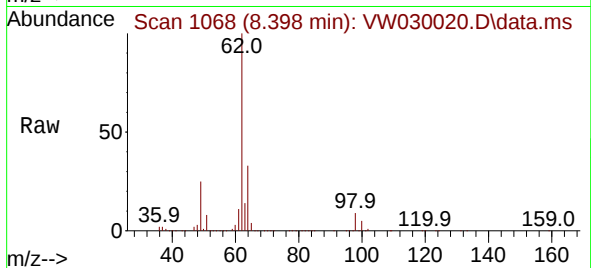
ClientSampleId :

Tgt Ion: 62 Resp: 151025

Ion Ratio Lower Upper

62 100

98 9.3 6.6 10.0



#29

Cyclohexane

Concen: 18.224 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

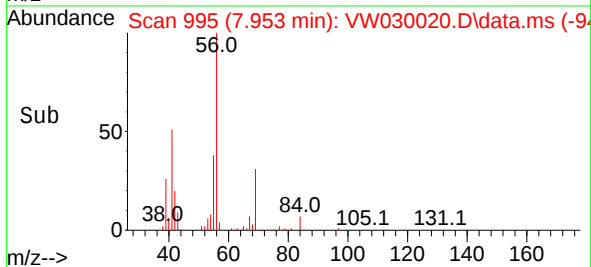
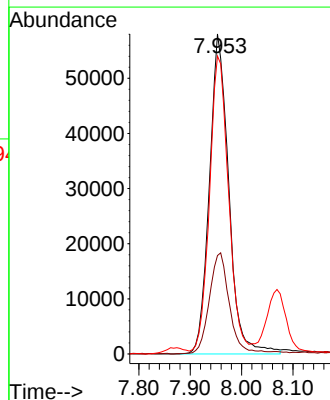
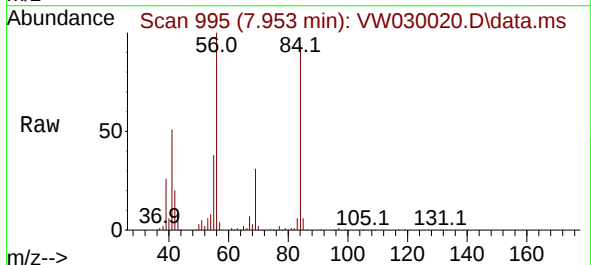
Tgt Ion: 56 Resp: 152441

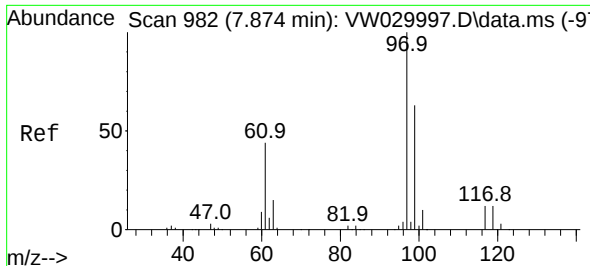
Ion Ratio Lower Upper

56 100

69 31.9 23.0 34.4

84 90.5 63.5 95.3





#30

1,1,1-Trichloroethane

Concen: 25.285 ug/L

RT: 7.868 min Scan# 9

Delta R.T. -0.006 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

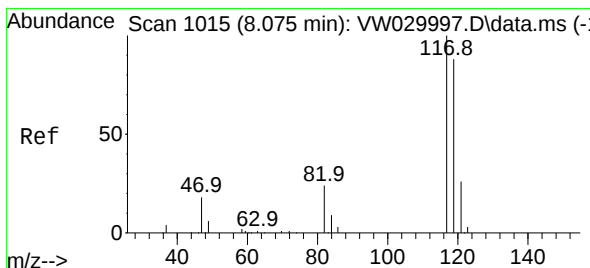
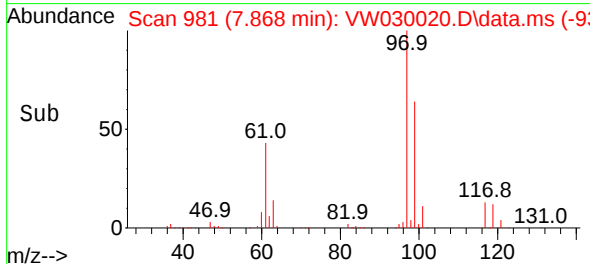
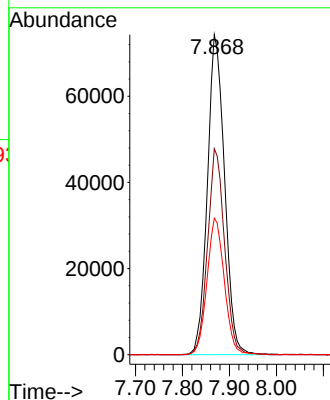
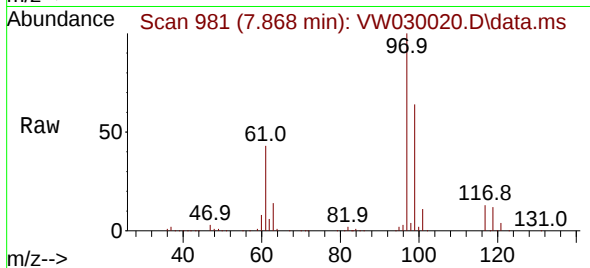
Tgt Ion: 97 Resp: 188466

Ion Ratio Lower Upper

97 100

99 63.5 52.1 78.1

61 42.8 42.6 63.8



#31

Carbon tetrachloride

Concen: 24.580 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.006 min

Lab File: VW030020.D

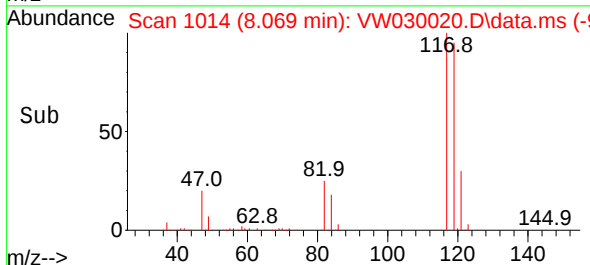
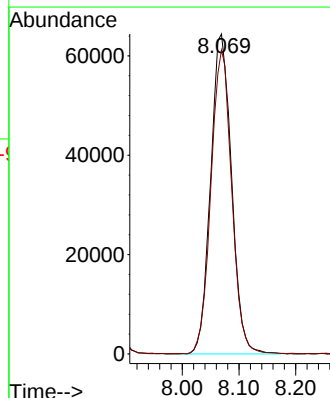
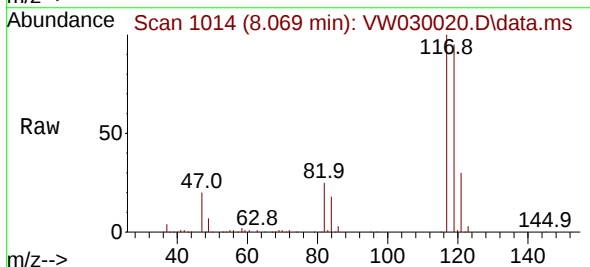
Acq: 23 Aug 2024 19:06

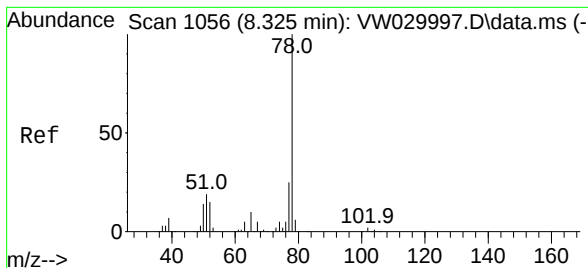
Tgt Ion:117 Resp: 165088

Ion Ratio Lower Upper

117 100

119 94.2 74.8 112.2





#33

Benzene

Concen: 23.029 ug/L

RT: 8.319 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW030020.D

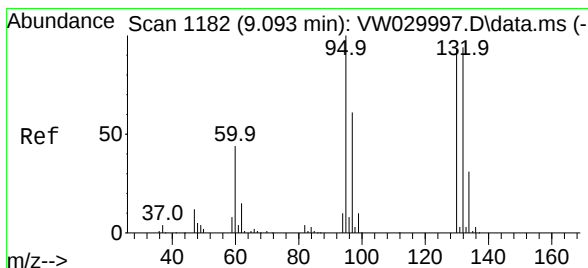
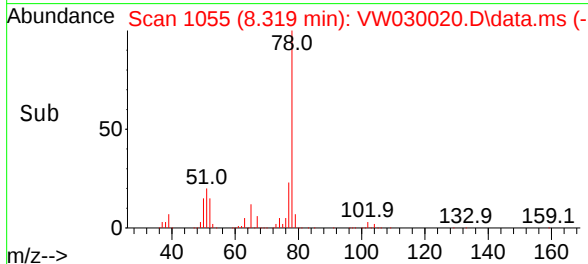
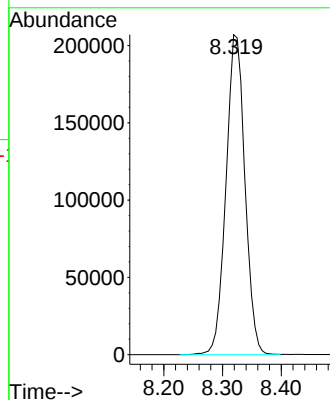
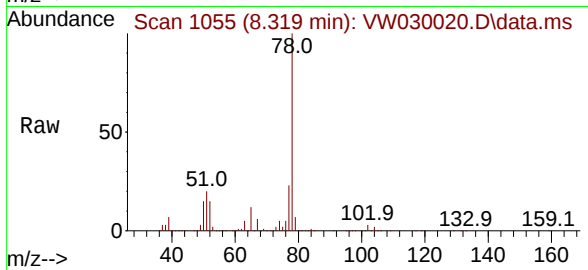
Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 78 Resp: 464443



#34

Trichloroethene

Concen: 24.360 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Tgt Ion: 95 Resp: 128787

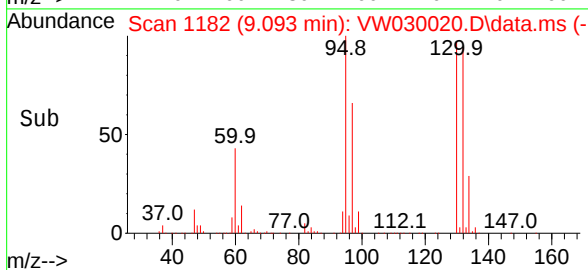
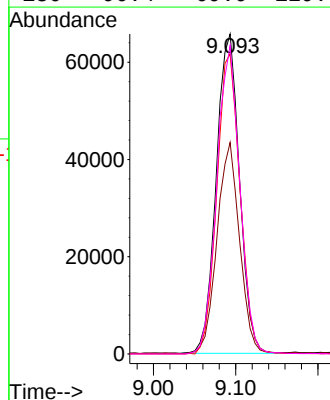
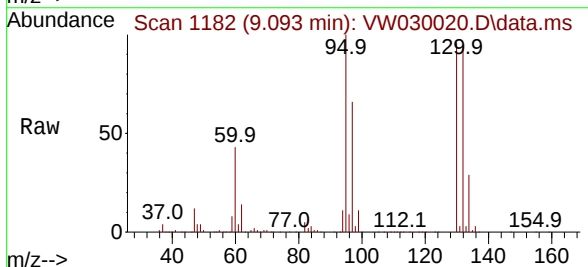
Ion Ratio Lower Upper

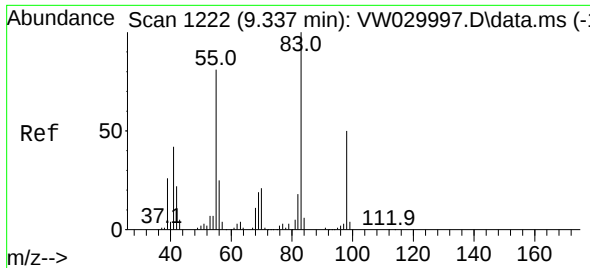
95 100

97 66.1 45.6 84.8

132 93.7 65.2 121.0

130 96.4 69.9 129.7

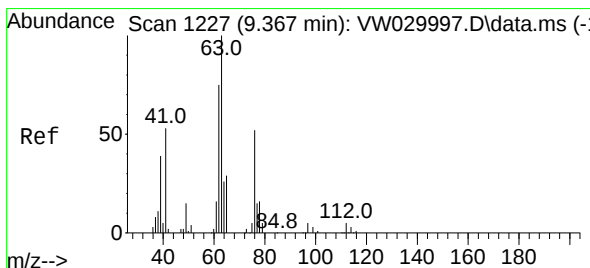
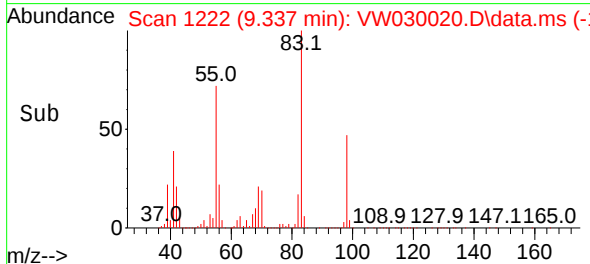
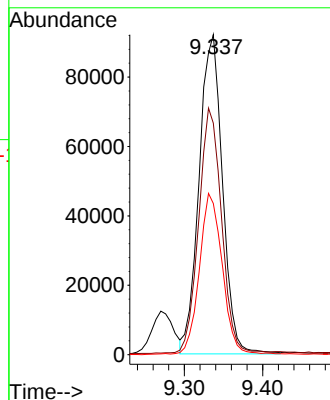
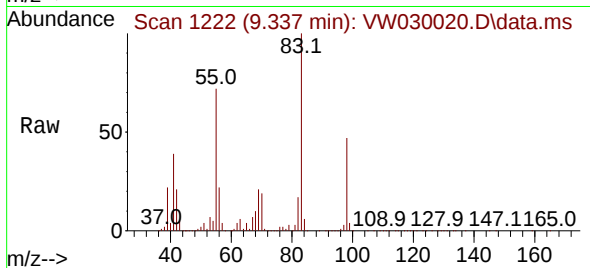




#35  
Methylcyclohexane  
Concen: 21.667 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

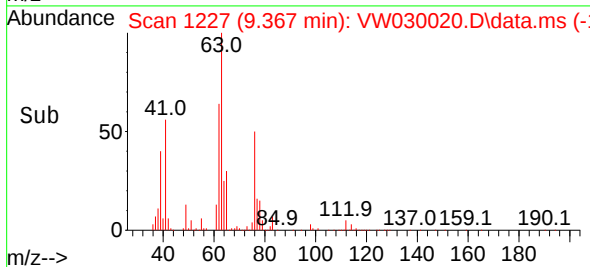
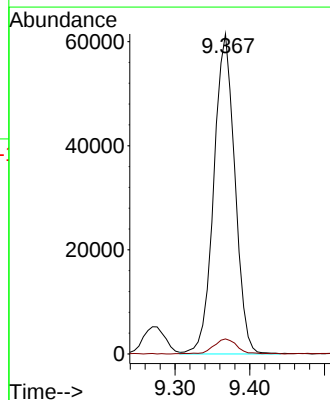
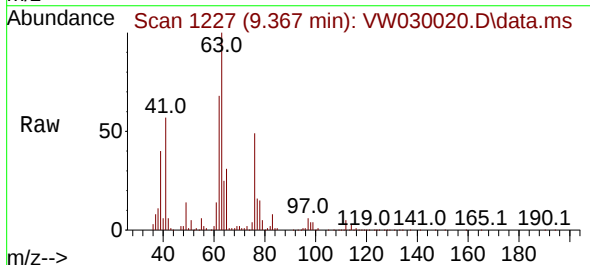
Instrument :  
MSVOA\_W  
ClientSampleId :

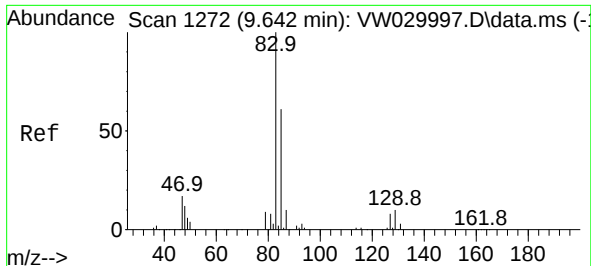
Tgt Ion: 83 Resp: 190874  
Ion Ratio Lower Upper  
83 100  
55 74.6 67.4 101.2  
98 49.0 36.7 55.1



#37  
1,2-Dichloropropane  
Concen: 21.839 ug/L  
RT: 9.367 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Tgt Ion: 63 Resp: 120696  
Ion Ratio Lower Upper  
63 100  
112 5.0 3.3 4.9#





#38

Bromodichloromethane

Concen: 25.898 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

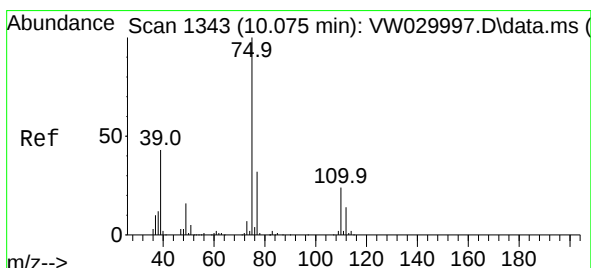
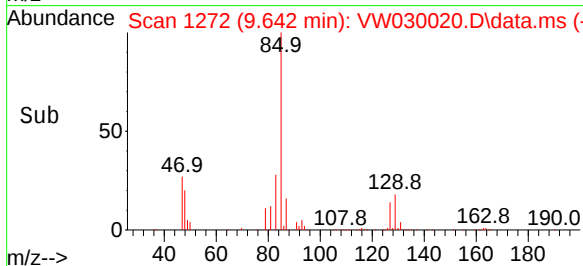
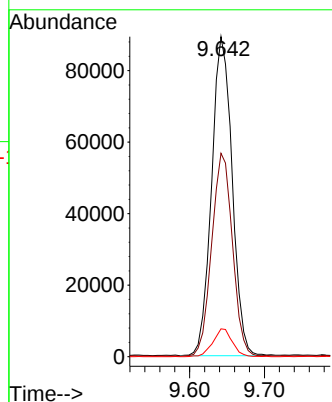
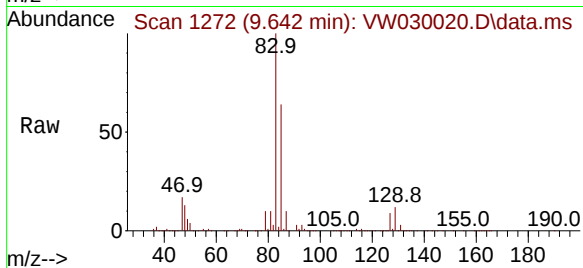
Tgt Ion: 83 Resp: 170444

Ion Ratio Lower Upper

83 100

85 63.6 46.6 86.6

127 8.7 5.9 8.9



#39

cis-1,3-Dichloropropene

Concen: 24.398 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW030020.D

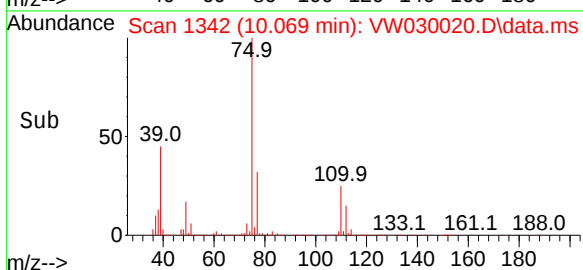
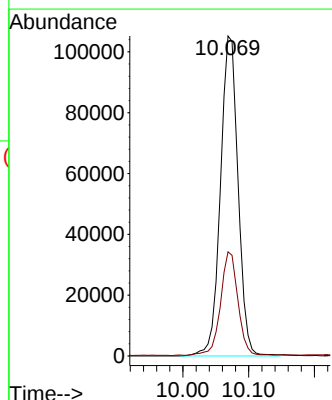
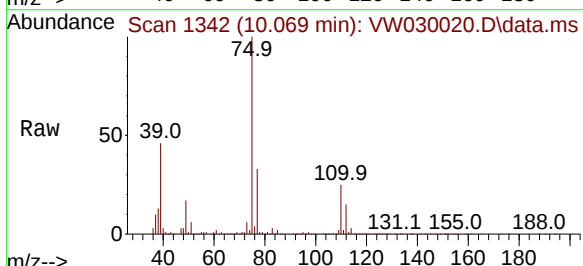
Acq: 23 Aug 2024 19:06

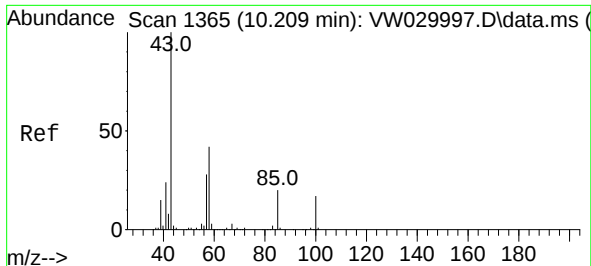
Tgt Ion: 75 Resp: 196372

Ion Ratio Lower Upper

75 100

77 32.6 20.8 38.6





#40

4-Methyl-2-pentanone

Concen: 40.546 ug/L

RT: 10.203 min Scan# 1364

Delta R.T. -0.006 min

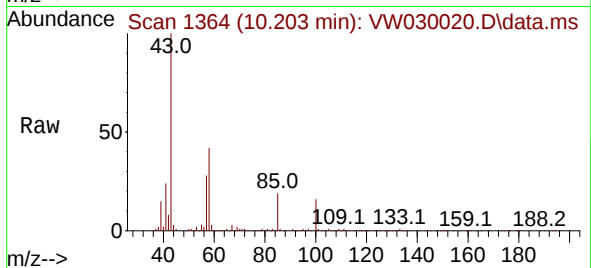
Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :



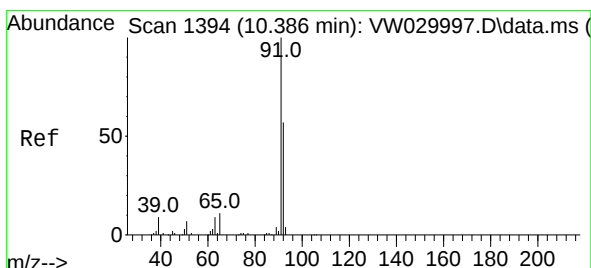
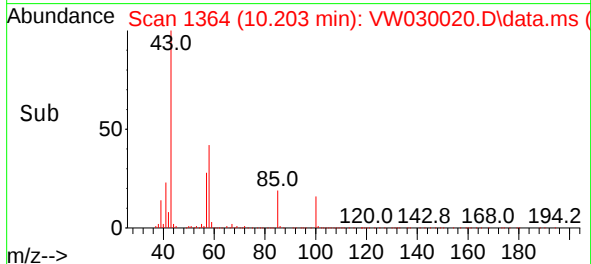
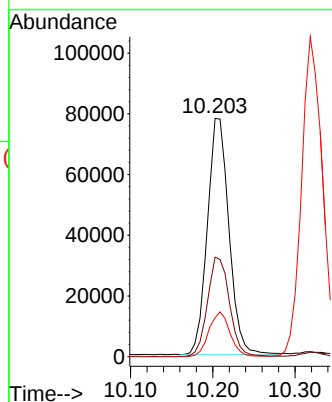
Tgt Ion: 43 Resp: 142335

Ion Ratio Lower Upper

43 100

58 42.7 28.7 43.1

100 18.5 10.0 15.0#



#42

Toluene

Concen: 25.095 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW030020.D

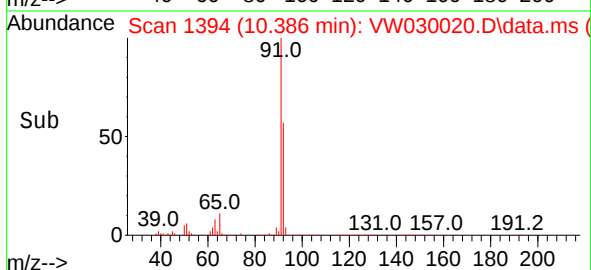
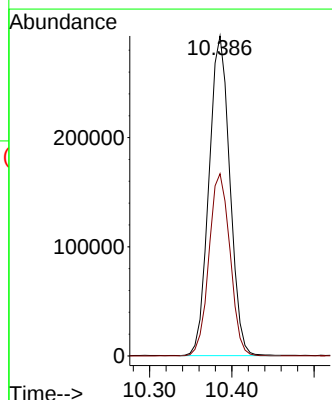
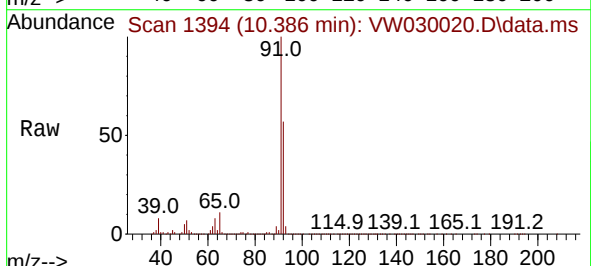
Acq: 23 Aug 2024 19:06

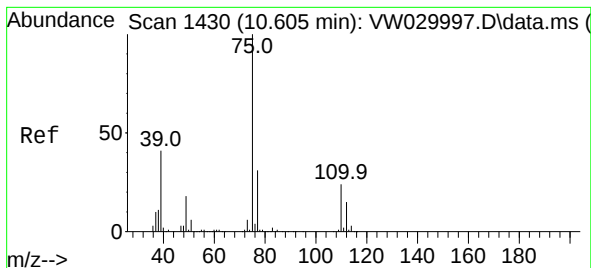
Tgt Ion: 91 Resp: 516588

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 24.525 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

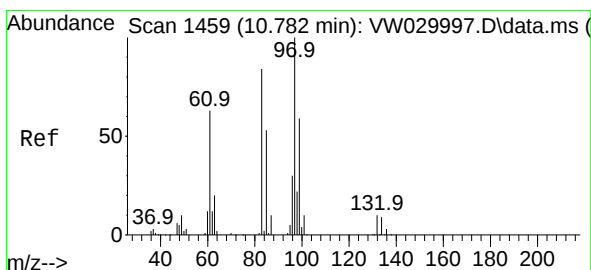
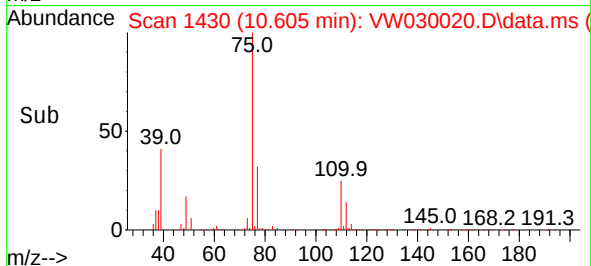
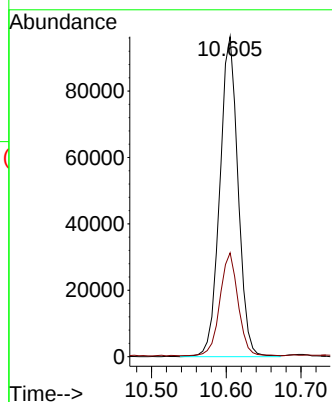
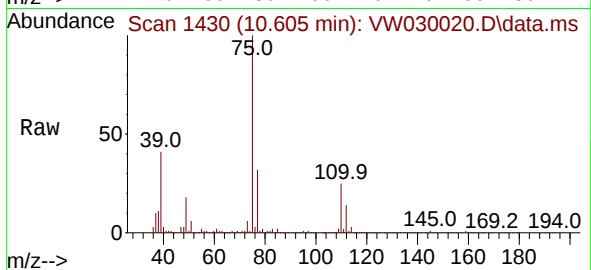
ClientSampleId :

Tgt Ion: 75 Resp: 163870

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0



#45

1,1,2-Trichloroethane

Concen: 26.873 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Tgt Ion: 97 Resp: 99774

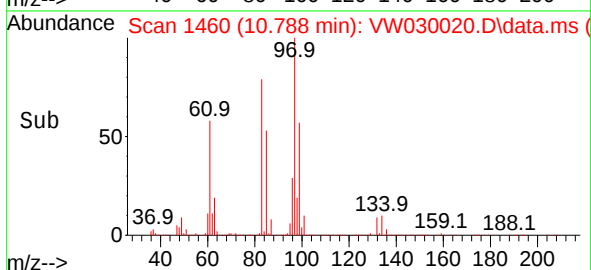
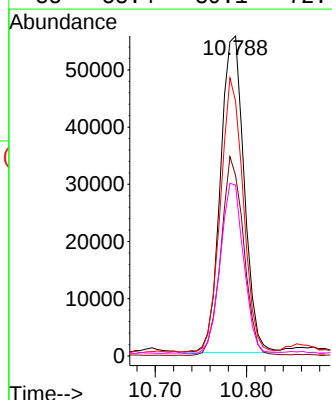
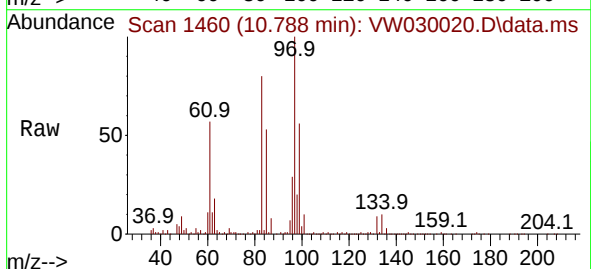
Ion Ratio Lower Upper

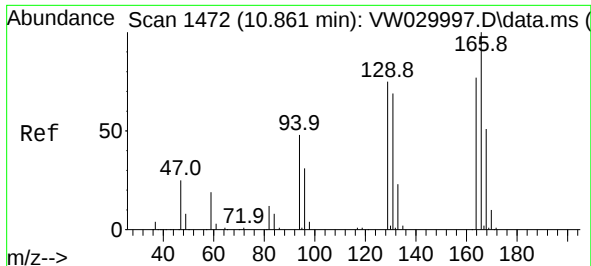
97 100

99 56.4 40.1 74.5

83 79.6 58.5 108.7

85 53.4 39.1 72.7





#46

Tetrachloroethene

Concen: 25.035 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

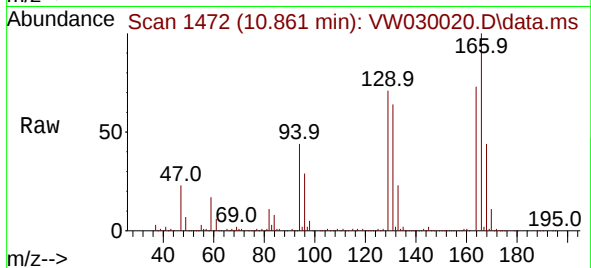
Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:164 Resp: 96198

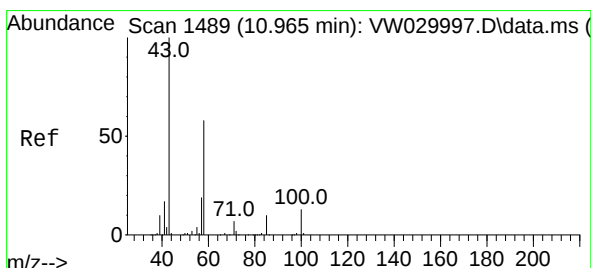
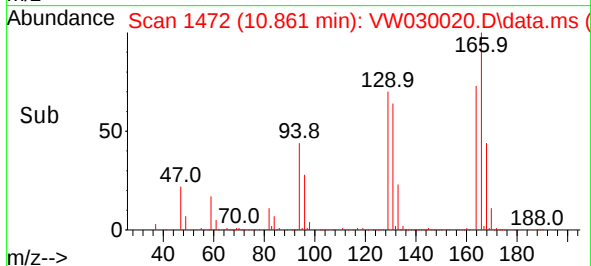
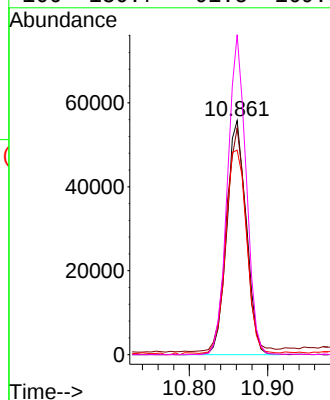
Ion Ratio Lower Upper

164 100

129 96.8 77.8 144.6

131 87.3 70.9 131.7

166 136.7 91.5 169.9



#48

2-Hexanone

Concen: 37.923 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Tgt Ion: 43 Resp: 99705

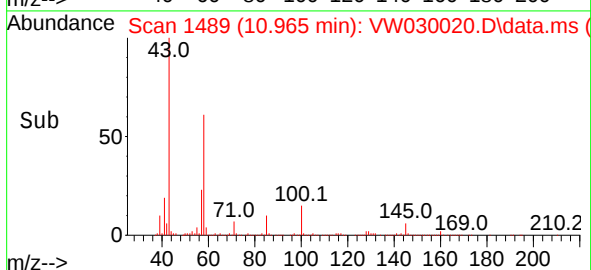
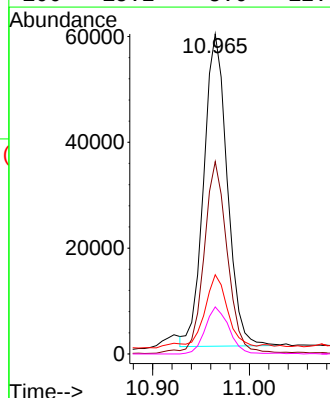
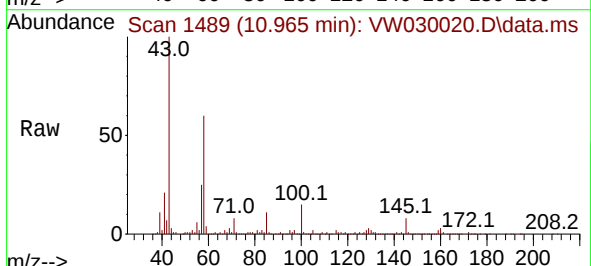
Ion Ratio Lower Upper

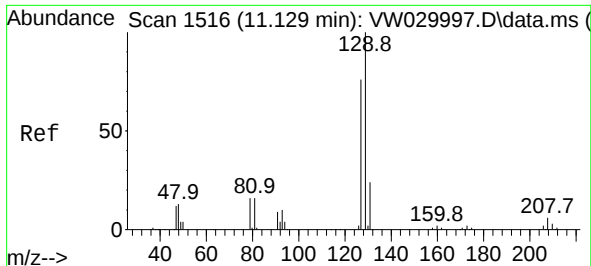
43 100

58 59.3 41.0 61.4

57 21.4 14.1 21.1#

100 15.2 8.0 12.0#





#49

Dibromochloromethane

Concen: 27.212 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

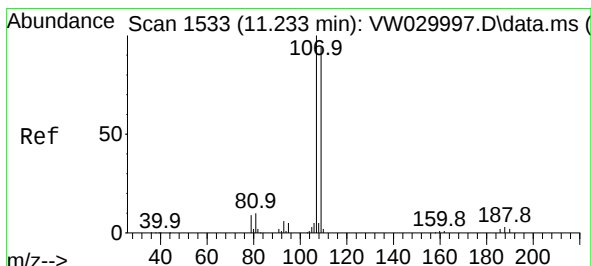
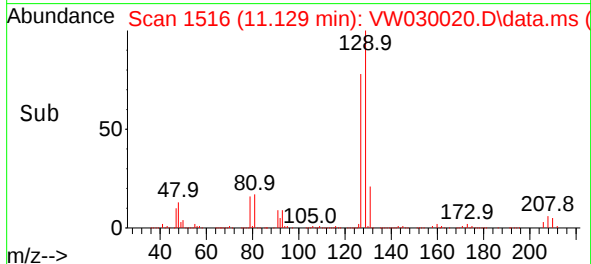
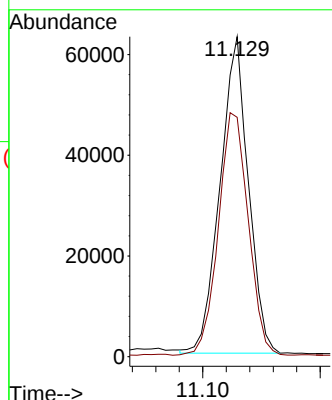
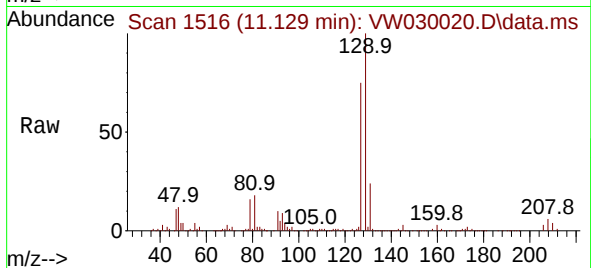
ClientSampleId :

Tgt Ion:129 Resp: 104886

Ion Ratio Lower Upper

129 100

127 74.8 52.4 97.2



#50

1,2-Dibromoethane

Concen: 27.190 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

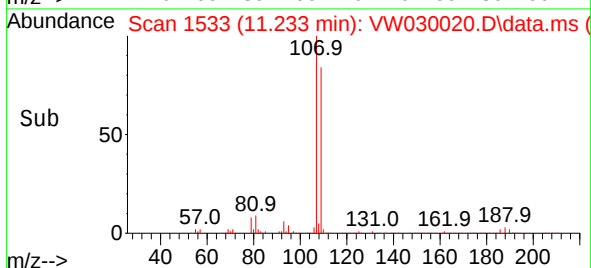
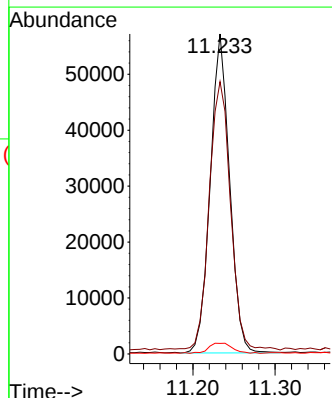
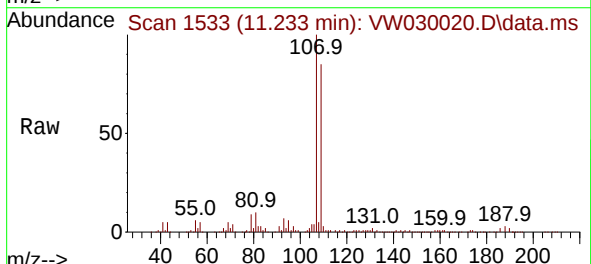
Tgt Ion:107 Resp: 93408

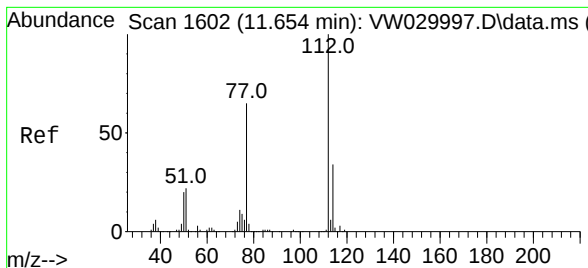
Ion Ratio Lower Upper

107 100

109 85.1 64.8 120.3

188 3.3 2.7 4.1

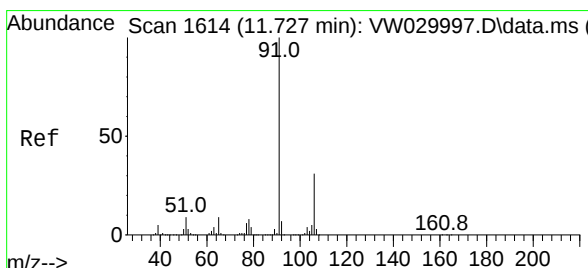
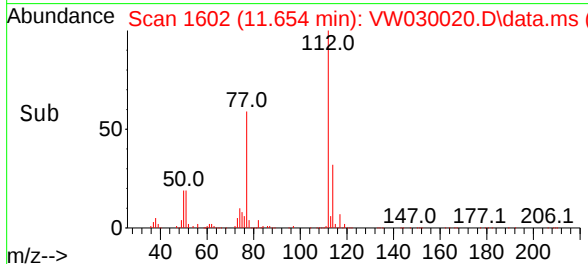
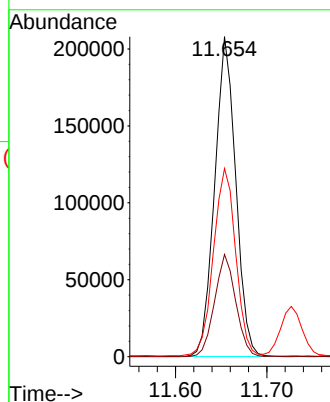
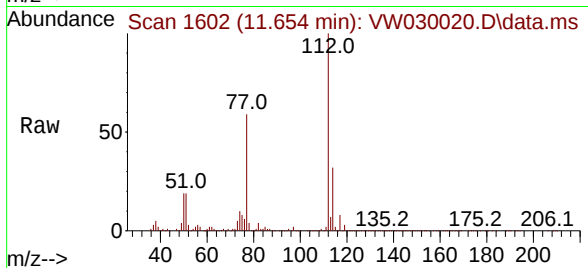




#51  
Chlorobenzene  
Concen: 25.973 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

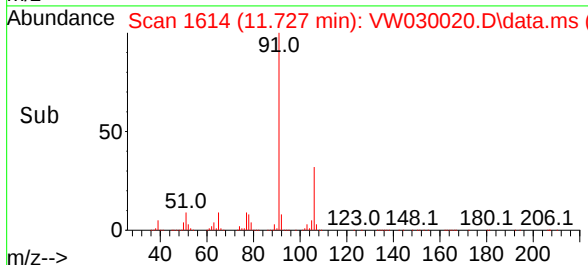
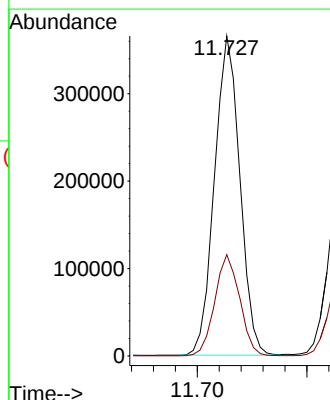
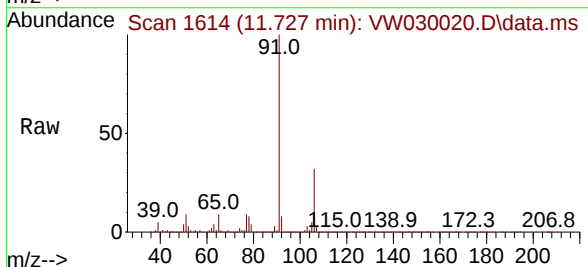
Instrument :  
MSVOA\_W  
ClientSampleId :

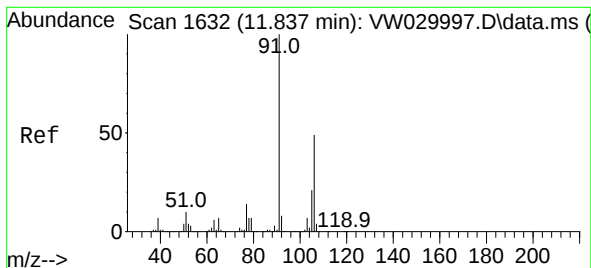
Tgt Ion:112 Resp: 332583  
Ion Ratio Lower Upper  
112 100  
114 32.0 22.0 40.8  
77 58.8 53.8 80.8



#52  
Ethylbenzene  
Concen: 25.284 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW030020.D  
Acq: 23 Aug 2024 19:06

Tgt Ion: 91 Resp: 587128  
Ion Ratio Lower Upper  
91 100  
106 31.6 20.4 38.0





#53

m,p-Xylene

Concen: 25.643 ug/L

RT: 11.836 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

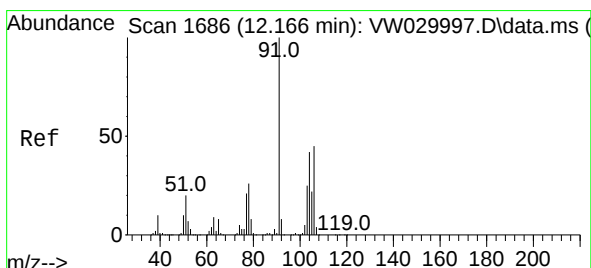
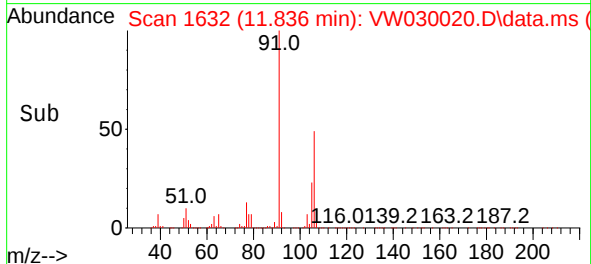
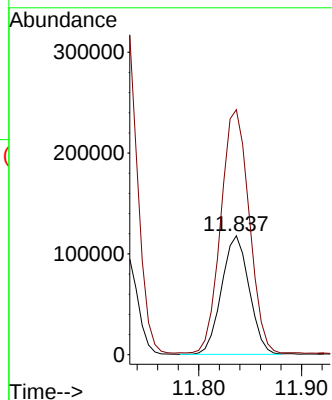
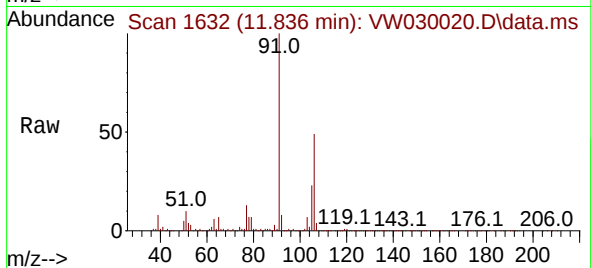
ClientSampleId :

Tgt Ion:106 Resp: 218992

Ion Ratio Lower Upper

106 100

91 206.1 151.4 281.2



#54

o-Xylene

Concen: 27.023 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VW030020.D

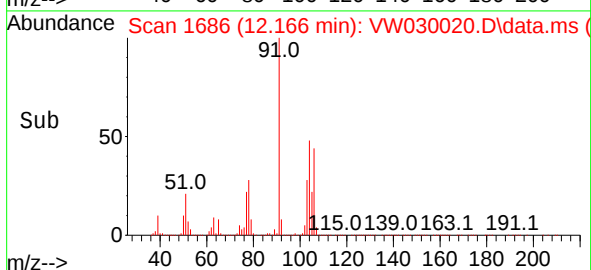
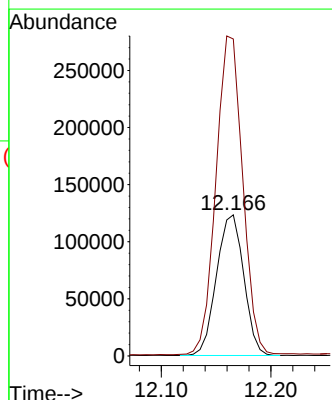
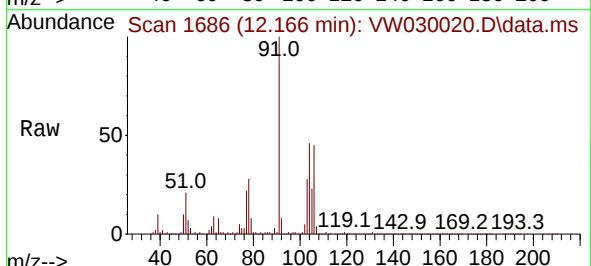
Acq: 23 Aug 2024 19:06

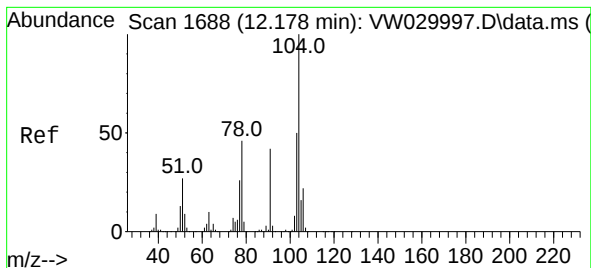
Tgt Ion:106 Resp: 212518

Ion Ratio Lower Upper

106 100

91 224.6 155.8 289.4





#55

Styrene

Concen: 27.578 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

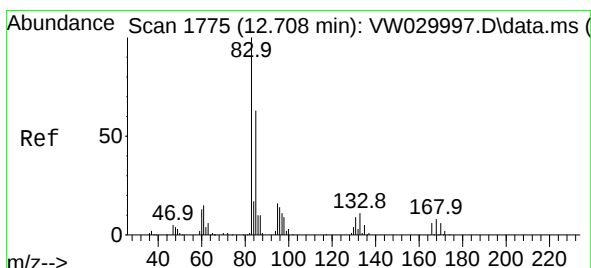
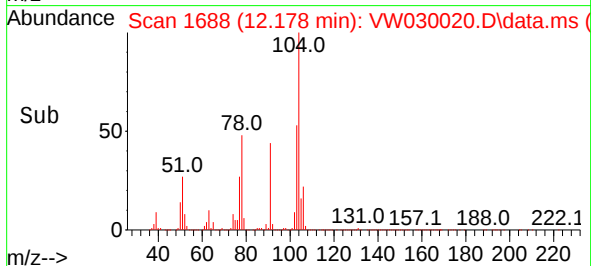
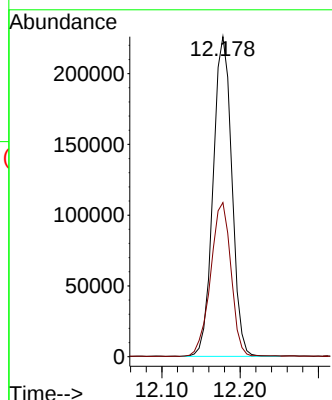
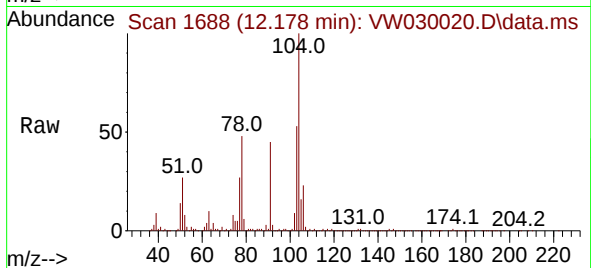
ClientSampleId :

Tgt Ion:104 Resp: 375938

Ion Ratio Lower Upper

104 100

78 48.1 33.3 61.9



#57

1,1,2,2-Tetrachloroethane

Concen: 24.621 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

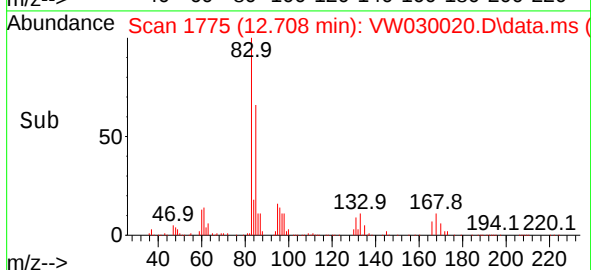
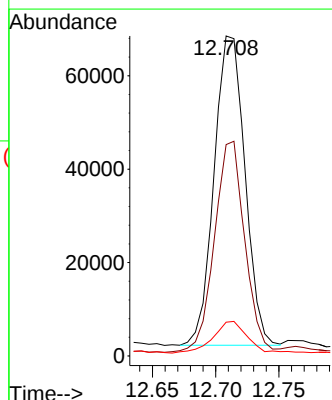
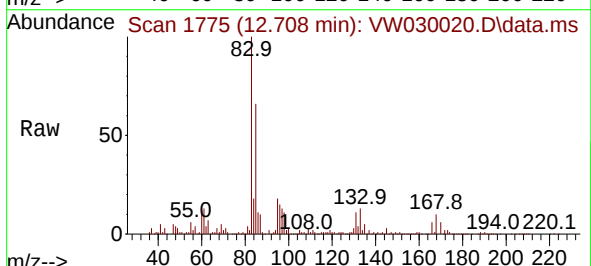
Tgt Ion: 83 Resp: 112199

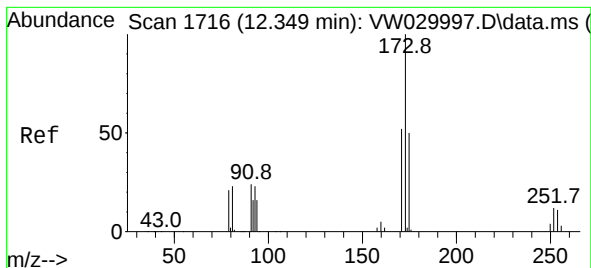
Ion Ratio Lower Upper

83 100

85 66.1 44.2 82.0

131 10.5 6.2 9.2#





#59

Bromoform

Concen: 30.143 ug/L

RT: 12.349 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

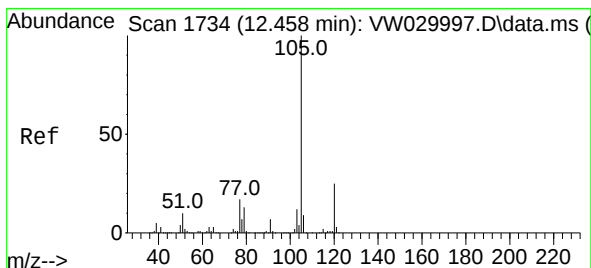
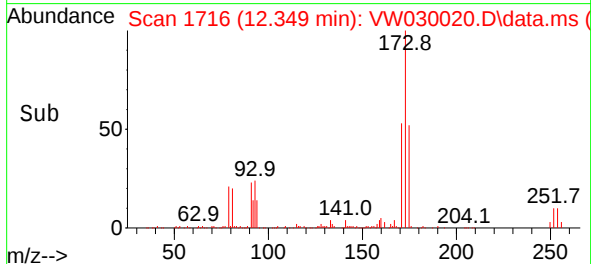
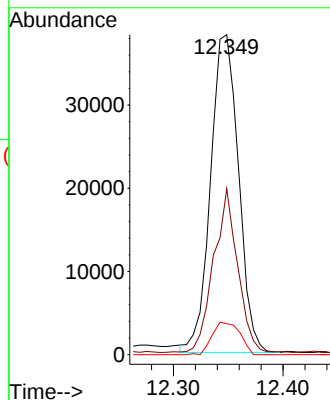
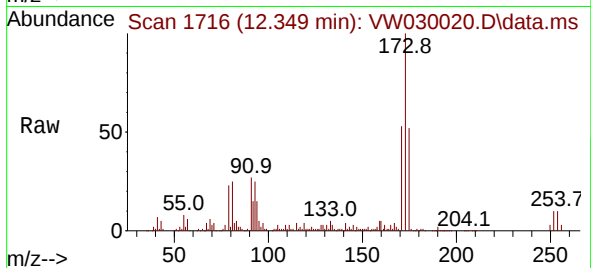
Tgt Ion:173 Resp: 67827

Ion Ratio Lower Upper

173 100

175 44.3 38.1 57.1

254 10.0 7.8 11.6



#60

Isopropylbenzene

Concen: 25.240 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

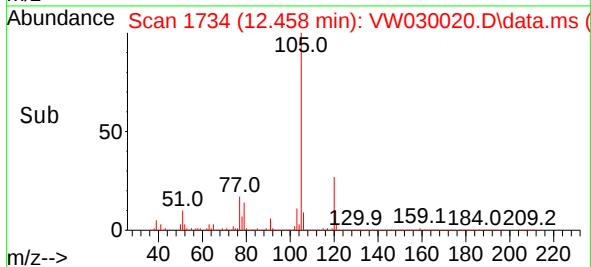
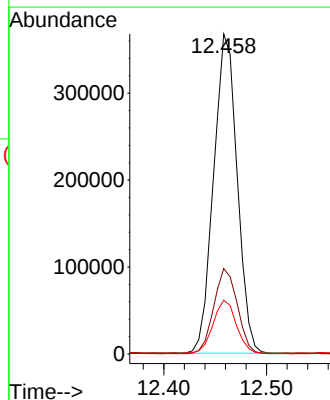
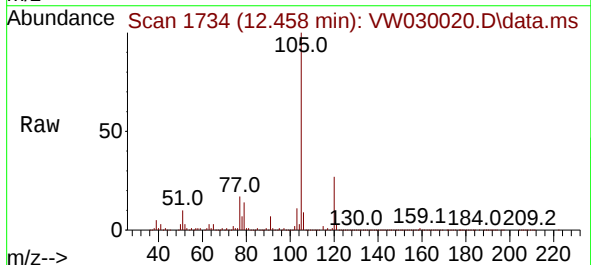
Tgt Ion:105 Resp: 584063

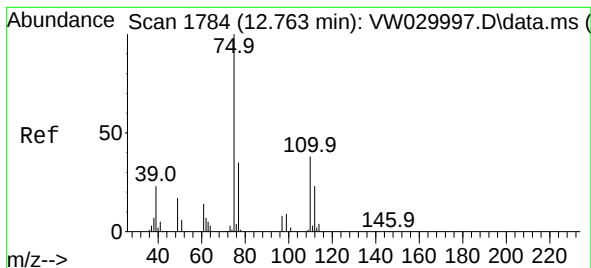
Ion Ratio Lower Upper

105 100

120 26.7 20.3 30.5

77 16.3 14.0 21.0





#61

1,2,3-Trichloropropane

Concen: 22.699 ug/L

RT: 12.763 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

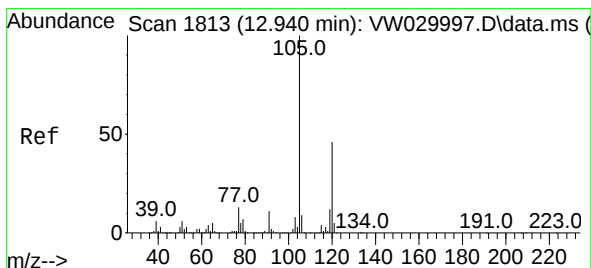
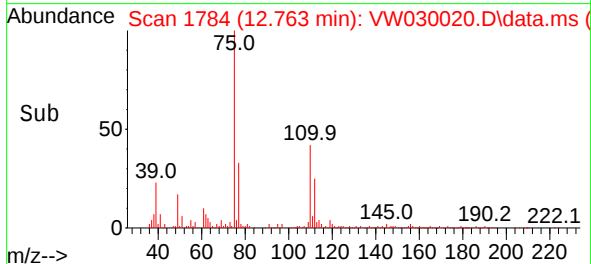
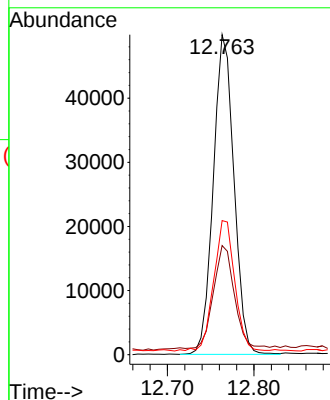
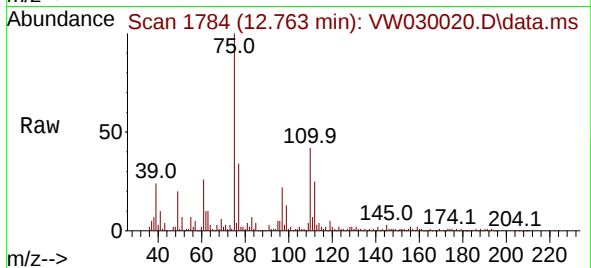
Tgt Ion: 75 Resp: 82557

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

110 41.5 28.6 43.0



#62

1,3,5-Trimethylbenzene

Concen: 29.147 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW030020.D

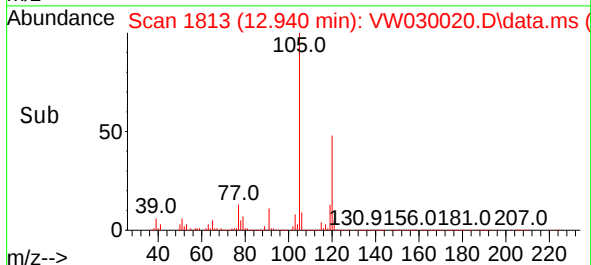
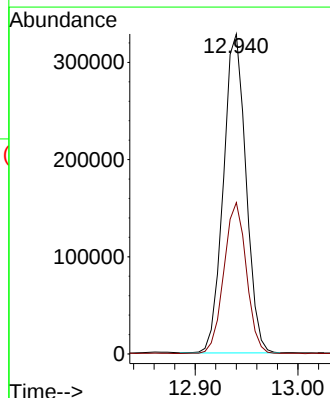
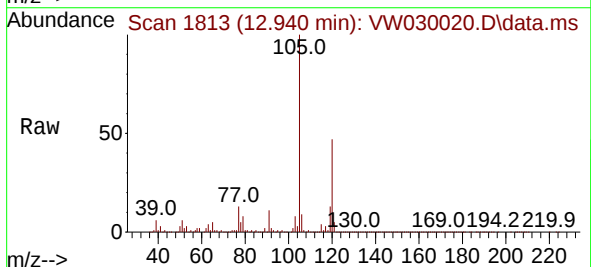
Acq: 23 Aug 2024 19:06

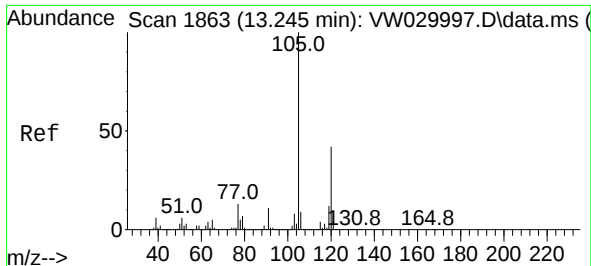
Tgt Ion:105 Resp: 501337

Ion Ratio Lower Upper

105 100

120 47.0 38.2 57.2





#63

1,2,4-Trimethylbenzene

Concen: 26.577 ug/L

RT: 13.245 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

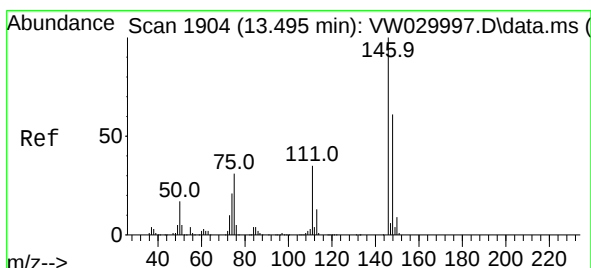
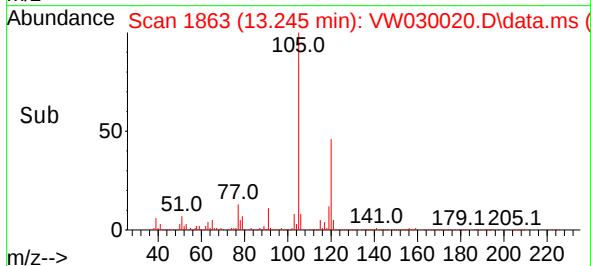
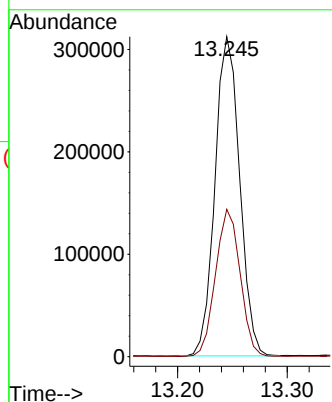
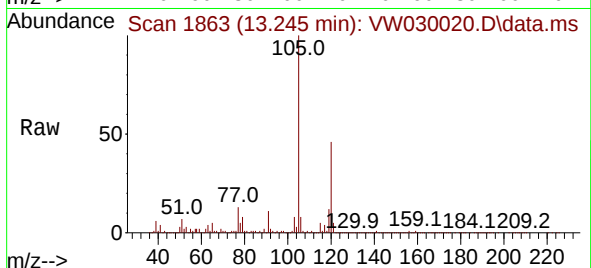
ClientSampleId :

Tgt Ion:105 Resp: 488876

Ion Ratio Lower Upper

105 100

120 45.8 35.4 53.0



#64

1,3-Dichlorobenzene

Concen: 27.295 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

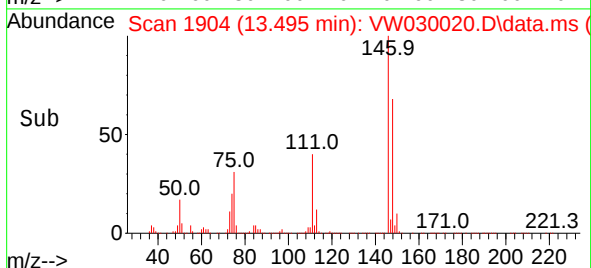
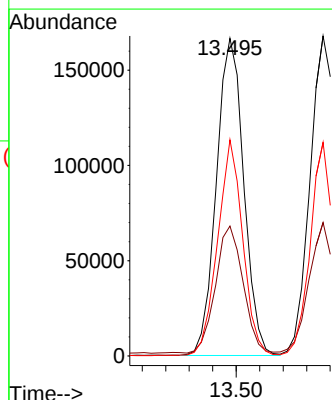
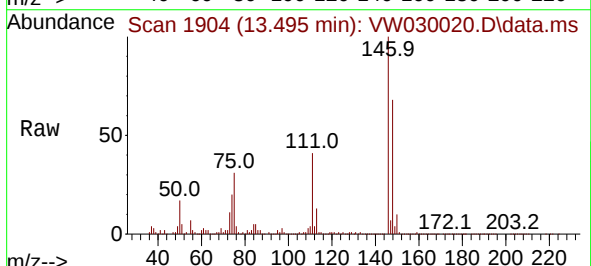
Tgt Ion:146 Resp: 269489

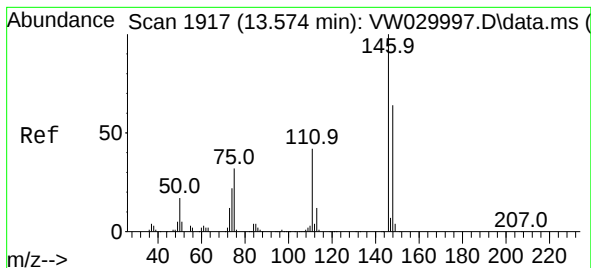
Ion Ratio Lower Upper

146 100

111 40.9 28.7 53.3

148 68.0 43.4 80.6





#65

1,4-Dichlorobenzene

Concen: 25.578 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

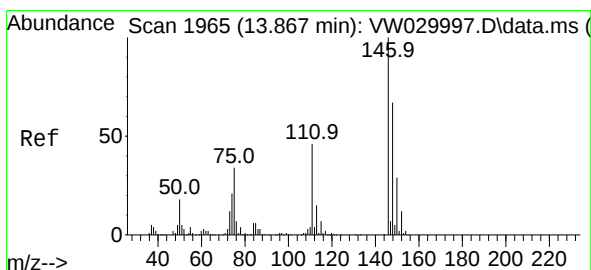
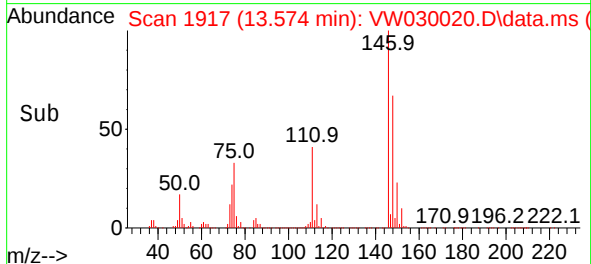
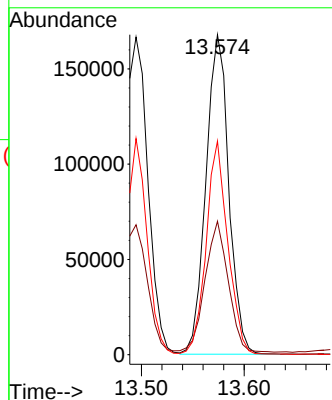
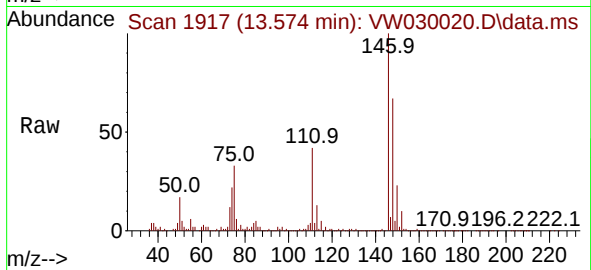
Tgt Ion:146 Resp: 259401

Ion Ratio Lower Upper

146 100

111 41.7 30.1 55.9

148 66.8 45.4 84.4



#67

1,2-Dichlorobenzene

Concen: 26.658 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

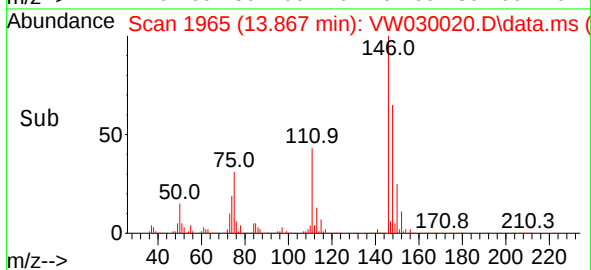
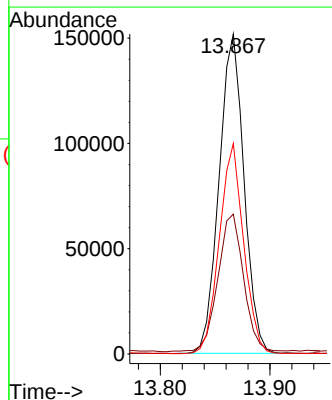
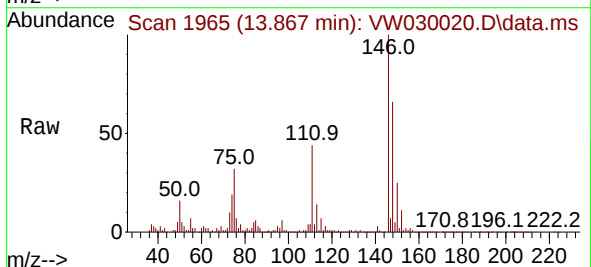
Tgt Ion:146 Resp: 239622

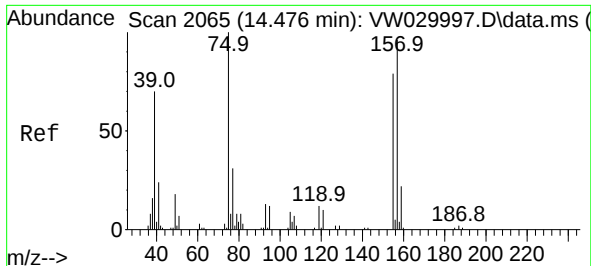
Ion Ratio Lower Upper

146 100

111 43.7 35.8 53.8

148 65.8 52.6 78.8





#68

1,2-Dibromo-3-chloropropane

Concen: 23.074 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

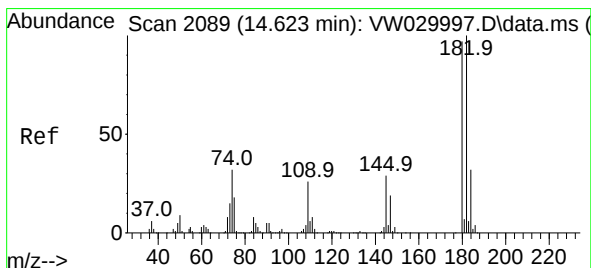
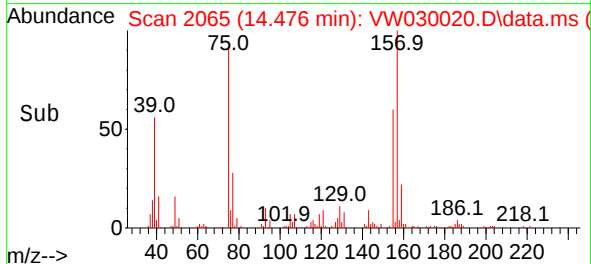
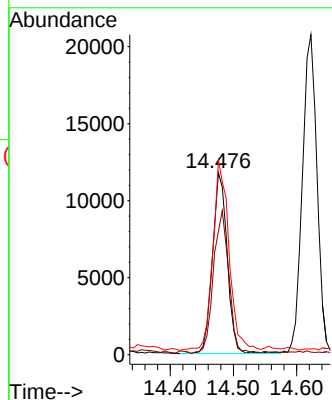
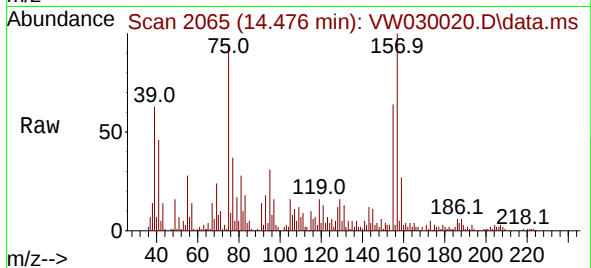
Tgt Ion: 75 Resp: 19055

Ion Ratio Lower Upper

75 100

155 67.9 47.8 71.6

157 106.8 63.7 95.5#



#69

1,3,5-Trichlorobenzene

Concen: 26.375 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Tgt Ion:180 Resp: 178164

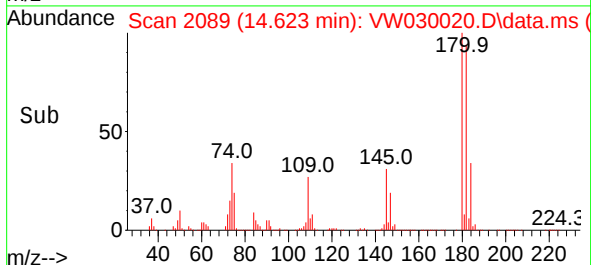
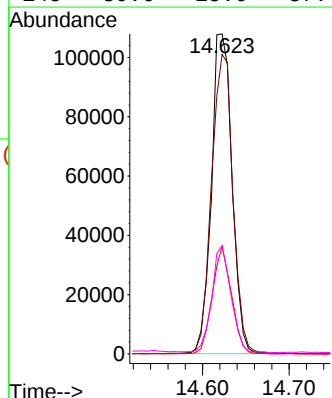
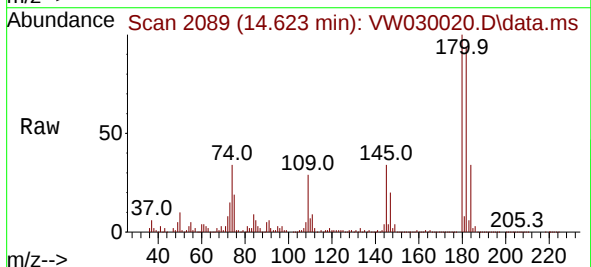
Ion Ratio Lower Upper

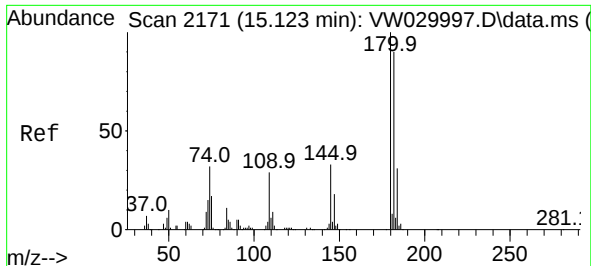
180 100

182 97.1 72.7 109.1

184 31.4 23.3 34.9

145 30.6 25.0 37.4





#70

1,2,4-trichlorobenzene

Concen: 28.782 ug/L

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

Instrument :

MSVOA\_W

ClientSampleId :

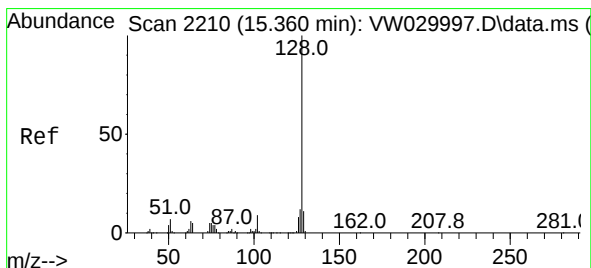
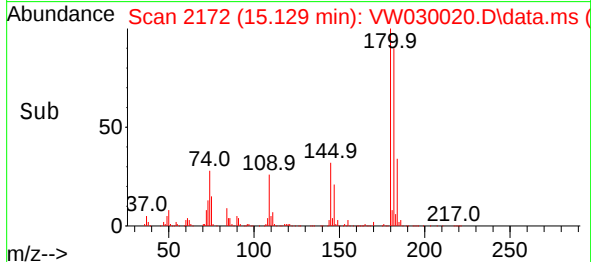
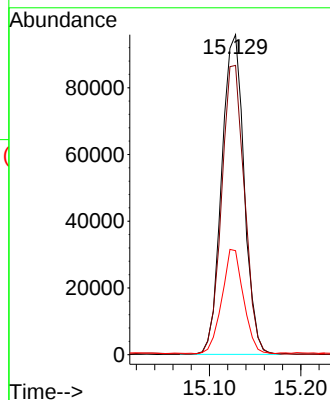
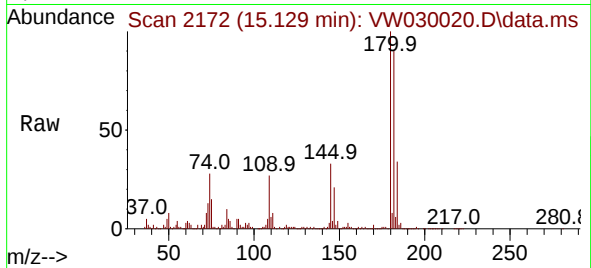
Tgt Ion:180 Resp: 163796

Ion Ratio Lower Upper

180 100

182 92.3 80.2 120.4

145 31.3 26.3 39.5



#71

Naphthalene

Concen: 30.139 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW030020.D

Acq: 23 Aug 2024 19:06

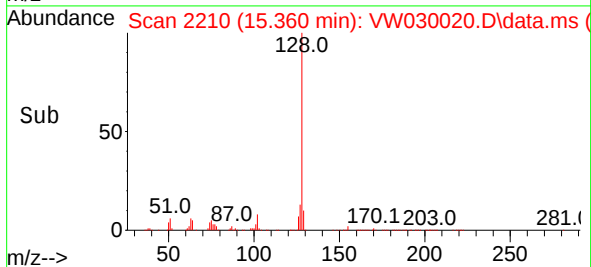
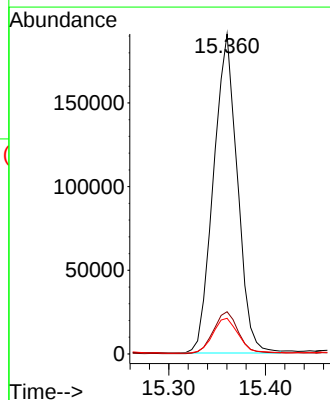
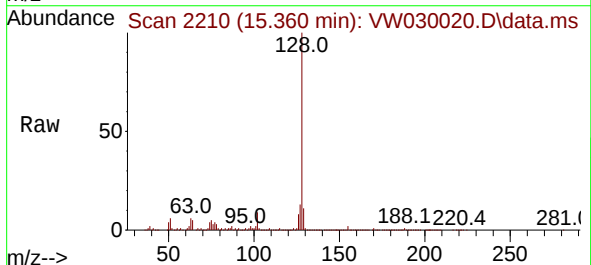
Tgt Ion:128 Resp: 327273

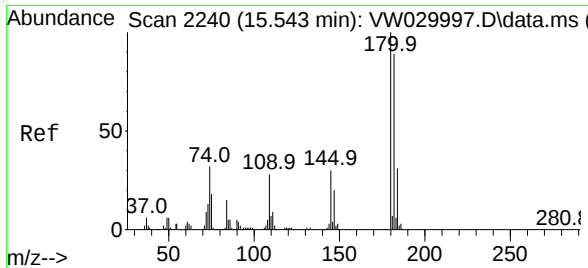
Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

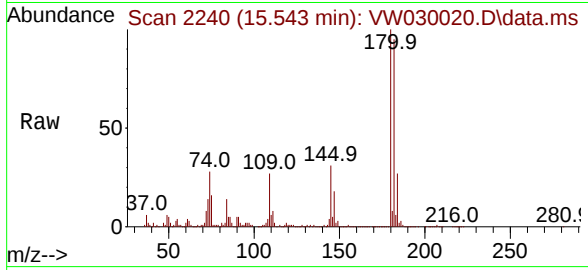
129 11.9 8.9 13.3





#72  
 1,2,3-Trichlorobenzene  
 Concen: 28.332 ug/L  
 RT: 15.543 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW030020.D  
 Acq: 23 Aug 2024 19:06

Instrument :  
 MSVOA\_W  
 ClientSampleId :



Tgt Ion:180 Resp: 145932

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.3  | 74.0  | 111.0 |
| 145 | 31.3  | 27.5  | 41.3  |

