

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111524\  
 Data File : VW031024.D  
 Acq On : 15 Nov 2024 14:24  
 Operator : SY/MD  
 Sample : P4776-04  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 16 00:36:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Nov 16 00:35:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 296495   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 273558   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.555 | 152   | 131728   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 65373    | 13.444   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 53.760%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 57594    | 15.443   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 61.760%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 33884    | 16.887   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 67.560%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 49028    | 61.266   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 122.540% |
| 24) Chloroform-d              | 7.648  | 84    | 185038   | 21.170   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 84.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.306  | 65    | 98149    | 22.584   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 90.320%  |
| 32) Benzene-d6                | 8.276  | 84    | 358391   | 21.088   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 84.360%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 112515   | 22.458   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.840%  |
| 41) Toluene-d8                | 10.324 | 98    | 313231   | 20.548   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 82.200%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 42492    | 20.924   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 83.680%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 39696    | 61.138   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 122.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 100742   | 28.862   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 115.440% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 117488   | 24.485   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.960%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 2861     | 0.906    | ug/L # | 83       |
| 3) Chloromethane              | 2.216  | 50    | 4112     | 0.966    | ug/L   | 93       |
| 5) Vinyl chloride             | 2.375  | 62    | 5302     | 1.051    | ug/L   | 85       |
| 6) Bromomethane               | 2.789  | 94    | 3374     | 1.019    | ug/L   | 91       |
| 8) Chloroethane               | 2.935  | 64    | 3176     | 1.039    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 4822     | 1.048    | ug/L   | 88       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 5458     | 1.424    | ug/L # | 1        |
| 14) Carbon disulfide          | 4.380  | 76    | 11562    | 0.918    | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 8818     | 2.104    | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 3313     | 0.788    | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 7346     | 1.295    | ug/L # | 87       |
| 19) 1,1-Dichloroethane        | 6.215  | 63    | 9915     | 1.264    | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 7.166  | 96    | 5621     | 1.260    | ug/L   | 94       |
| 22) 2-Butanone                | 7.185  | 43    | 3006     | 2.746    | ug/L   | 98       |
| 23) Bromochloromethane        | 7.520  | 128   | 2861     | 1.465    | ug/L # | 82       |
| 25) Chloroform                | 7.678  | 83    | 11064    | 1.340    | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 8.404  | 62    | 6641     | 1.292    | ug/L   | 100      |
| 29) Cyclohexane               | 7.953  | 56    | 5924     | 0.904    | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 7.867  | 97    | 4883     | 0.695    | ug/L # | 43       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111524\  
 Data File : VW031024.D  
 Acq On : 15 Nov 2024 14:24  
 Operator : SY/MD  
 Sample : P4776-04  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 16 00:36:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Nov 16 00:35:12 2024  
 Response via : Initial Calibration

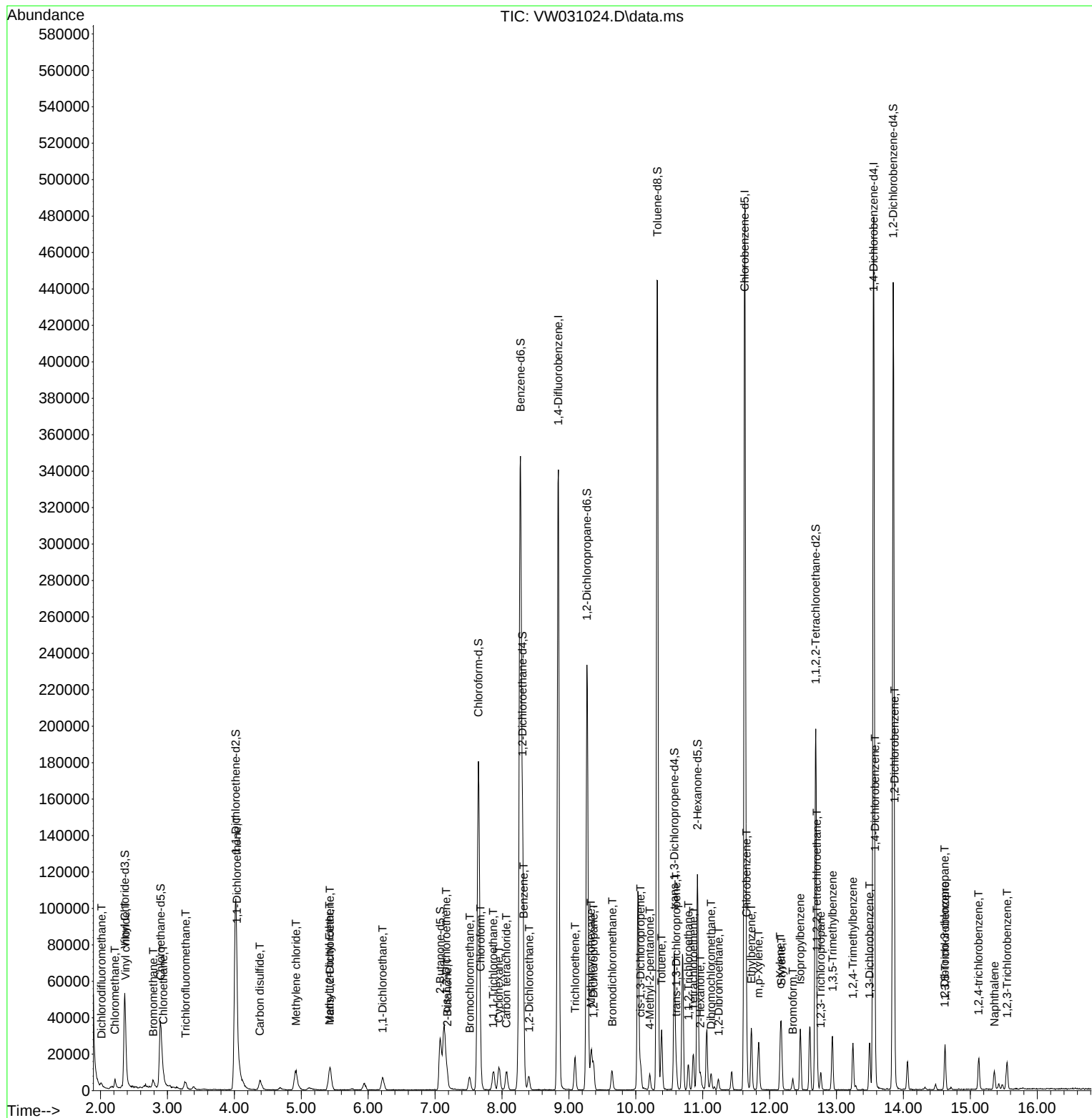
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 31) Carbon tetrachloride      | 8.063  | 117  | 7781     | 1.232 | ug/L   | 97       |
| 33) Benzene                   | 8.325  | 78   | 21695    | 1.230 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 6048     | 1.244 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 8004     | 1.039 | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 5897     | 1.338 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.648  | 83   | 7706     | 1.332 | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 8062     | 1.223 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 5557     | 2.758 | ug/L   | 99       |
| 42) Toluene                   | 10.385 | 91   | 23654    | 1.267 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 8867     | 1.619 | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 4382     | 1.385 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.861 | 164  | 4468     | 1.202 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.964 | 43   | 3836     | 2.502 | ug/L # | 80       |
| 49) Dibromochloromethane      | 11.123 | 129  | 4881     | 1.415 | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 11.239 | 107  | 4158     | 1.425 | ug/L   | 92       |
| 51) Chlorobenzene             | 11.653 | 112  | 15642    | 1.309 | ug/L   | 88       |
| 52) Ethylbenzene              | 11.727 | 91   | 22986    | 1.090 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 8179     | 1.031 | ug/L   | 99       |
| 54) o-Xylene                  | 12.159 | 106  | 7613     | 1.043 | ug/L   | 98       |
| 55) Styrene                   | 12.178 | 104  | 12385    | 0.993 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 5836     | 1.691 | ug/L # | 95       |
| 59) Bromoform                 | 12.348 | 173  | 2753     | 1.464 | ug/L # | 96       |
| 60) Isopropylbenzene          | 12.458 | 105  | 19290    | 0.960 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 3965     | 1.605 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 15198    | 0.961 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 13993    | 0.908 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 11100    | 1.258 | ug/L   | 90       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 12411    | 1.370 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 11409    | 1.451 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.616 | 75   | 1389     | 2.657 | ug/L # | 8        |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 7749     | 1.324 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.122 | 180  | 5521     | 1.188 | ug/L   | 96       |
| 71) Naphthalene               | 15.360 | 128  | 8734     | 1.159 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 5489     | 1.370 | ug/L   | 90       |

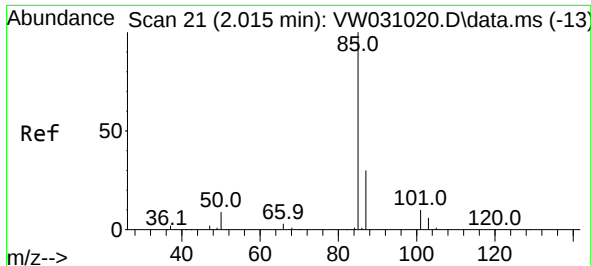
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111524\  
Data File : VW031024.D  
Acq On : 15 Nov 2024 14:24  
Operator : SY/MD  
Sample : P4776-04  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 16 00:36:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Nov 16 00:35:12 2024  
Response via : Initial Calibration

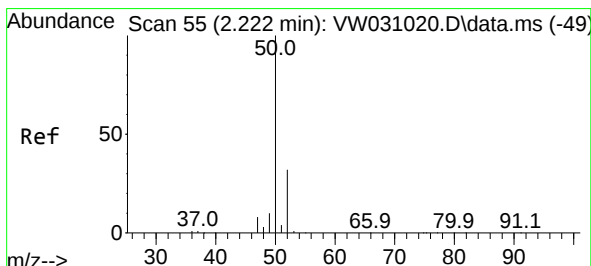
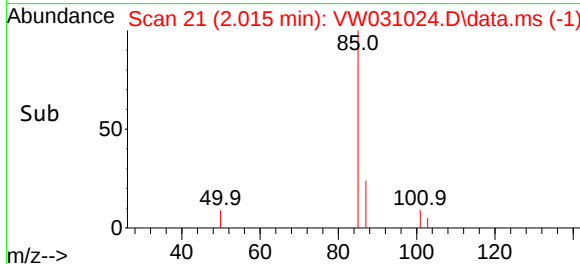
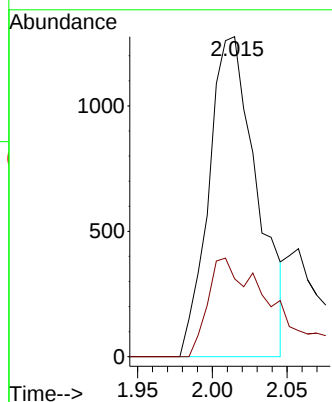
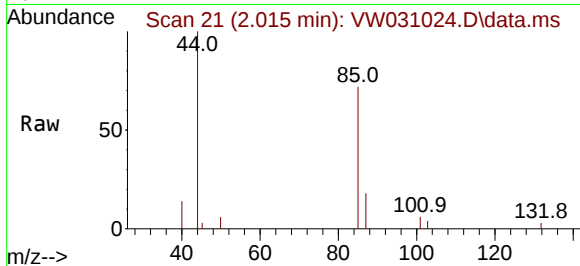




#2  
Dichlorodifluoromethane  
Concen: 0.906 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

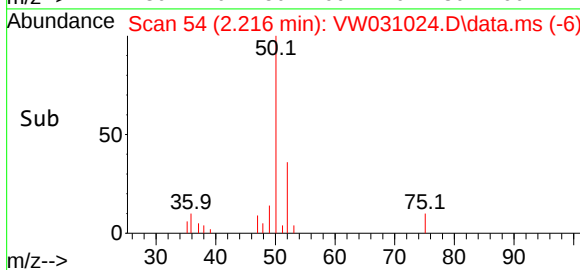
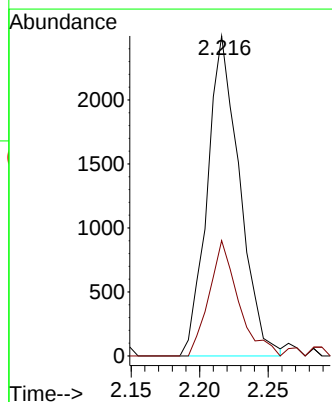
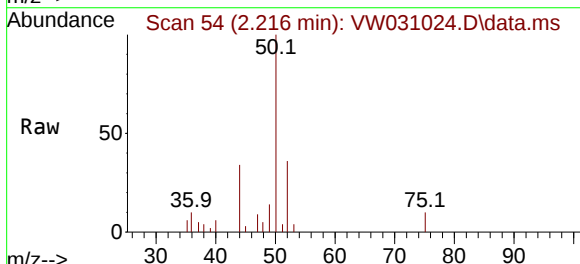
Instrument :  
MSVOA\_W  
ClientSampleId :

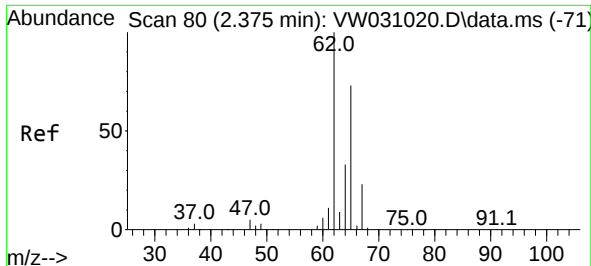
Tgt Ion: 85 Resp: 2861  
Ion Ratio Lower Upper  
85 100  
87 21.2 24.2 36.4#



#3  
Chloromethane  
Concen: 0.966 ug/L  
RT: 2.216 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

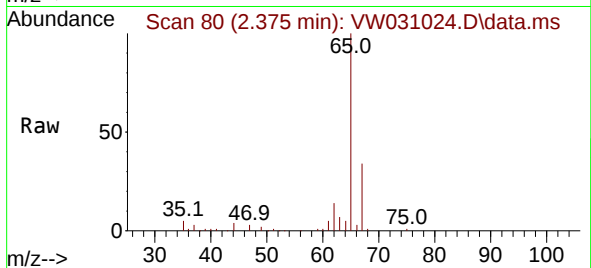
Tgt Ion: 50 Resp: 4112  
Ion Ratio Lower Upper  
50 100  
52 36.0 22.5 41.9



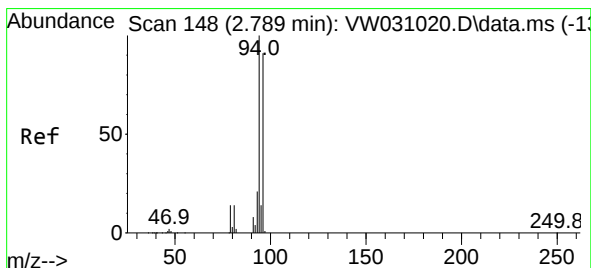
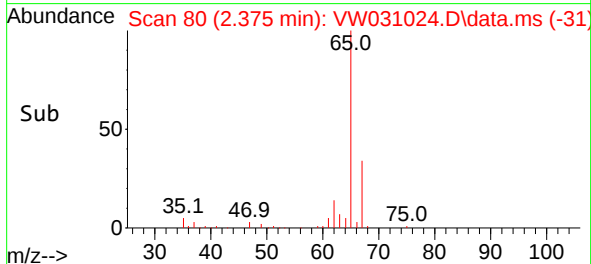
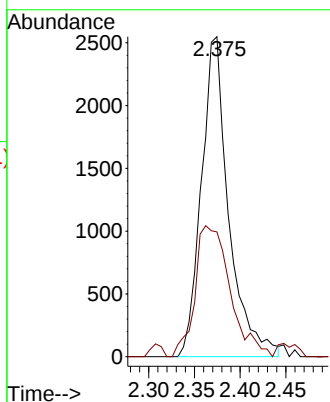


#5  
 Vinyl chloride  
 Concen: 1.051 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW031024.D  
 Acq: 15 Nov 2024 14:24

Instrument :  
 MSVOA\_W  
 ClientSampleId :

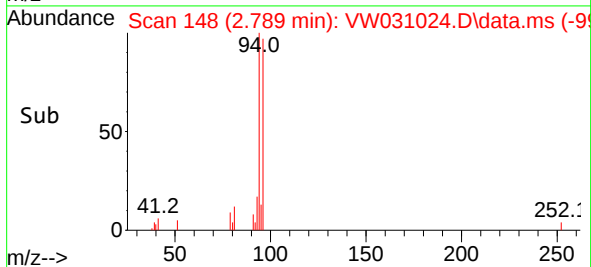
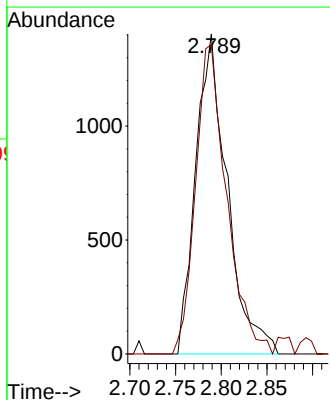
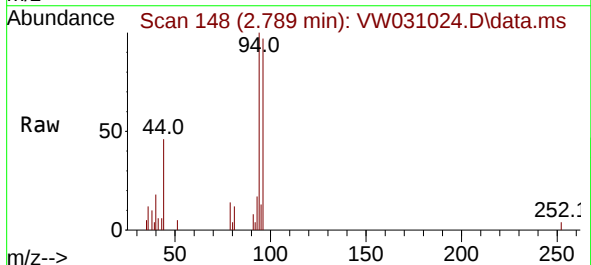


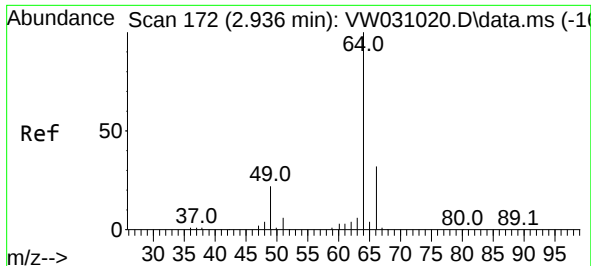
Tgt Ion: 62 Resp: 5302  
 Ion Ratio Lower Upper  
 62 100  
 64 39.0 21.7 40.3



#6  
 Bromomethane  
 Concen: 1.019 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW031024.D  
 Acq: 15 Nov 2024 14:24

Tgt Ion: 94 Resp: 3374  
 Ion Ratio Lower Upper  
 94 100  
 96 96.7 61.6 114.4

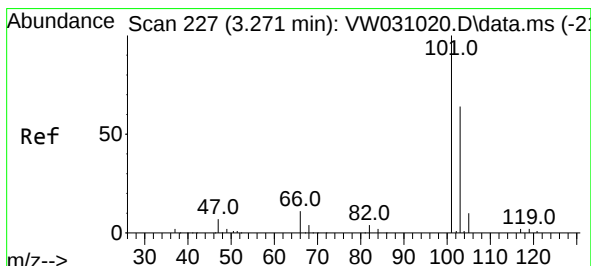
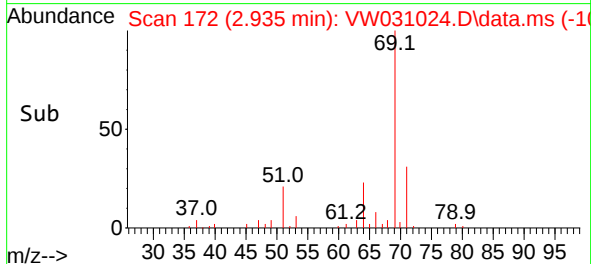
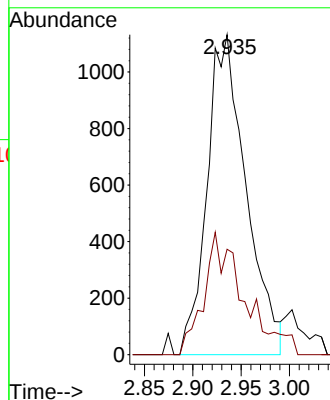
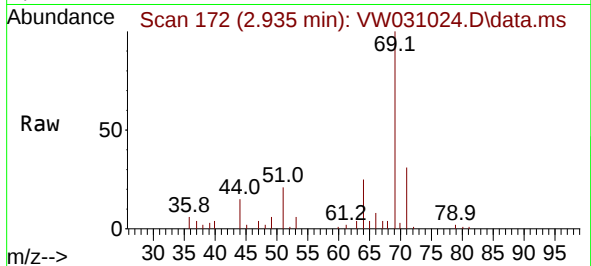




#8  
Chloroethane  
Concen: 1.039 ug/L  
RT: 2.935 min Scan# 172  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

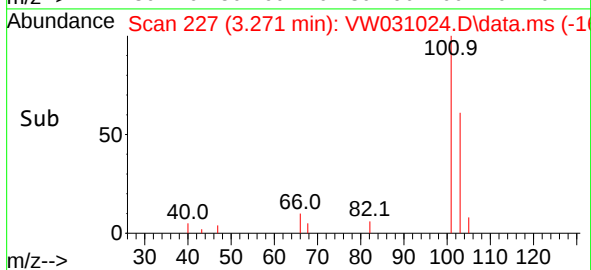
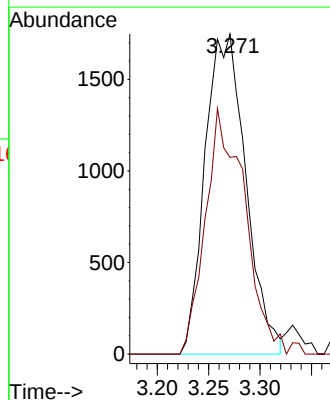
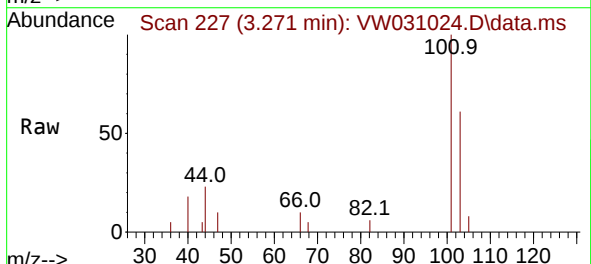
Instrument :  
MSVOA\_W  
ClientSampleId :

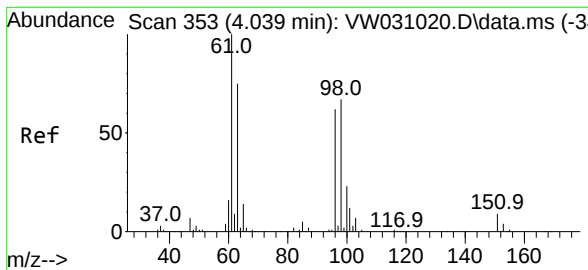
Tgt Ion: 64 Resp: 3176  
Ion Ratio Lower Upper  
64 100  
66 33.0 23.5 43.7



#9  
Trichlorofluoromethane  
Concen: 1.048 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion:101 Resp: 4822  
Ion Ratio Lower Upper  
101 100  
103 73.8 51.8 77.6





#12

1,1-Dichloroethene

Concen: 1.424 ug/L

RT: 4.039 min Scan# 353

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

ClientSampleId :

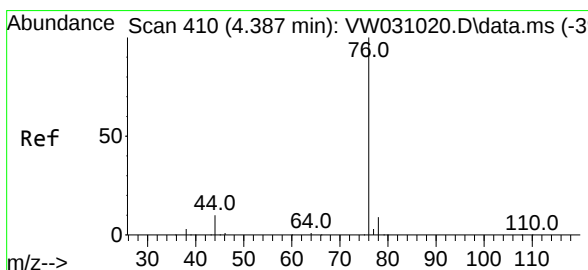
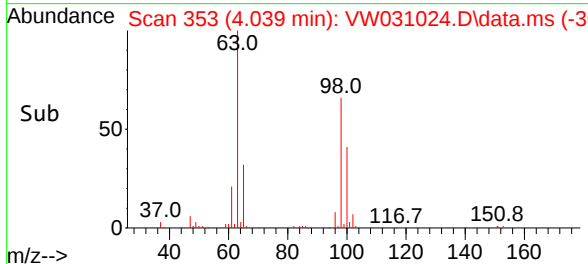
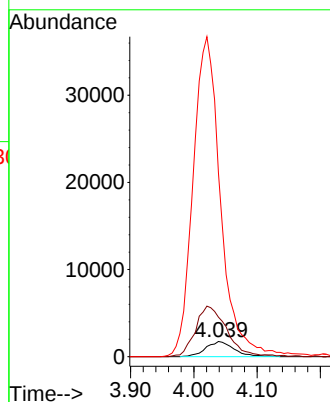
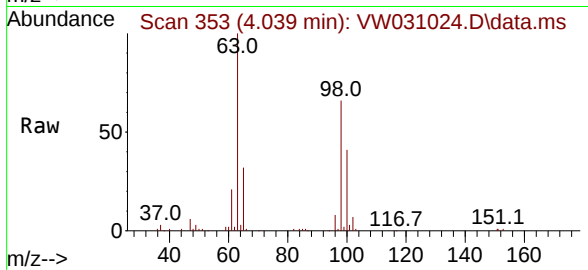
Tgt Ion: 96 Resp: 5458

Ion Ratio Lower Upper

96 100

61 258.3 118.9 220.7#

63 1203.9 97.8 181.6#



#14

Carbon disulfide

Concen: 0.918 ug/L

RT: 4.380 min Scan# 409

Delta R.T. -0.006 min

Lab File: VW031024.D

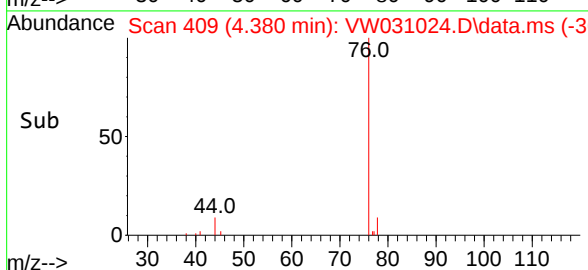
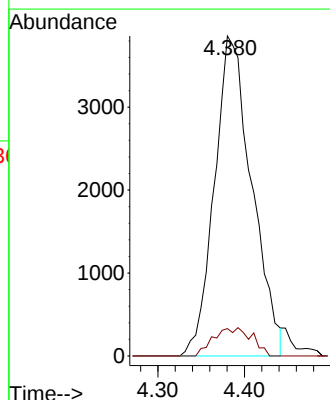
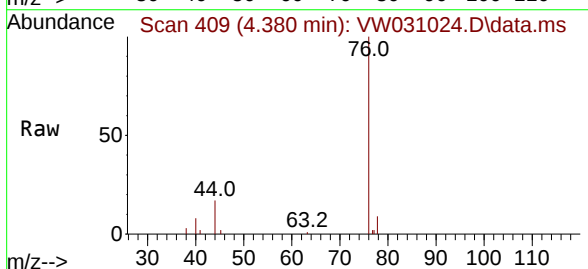
Acq: 15 Nov 2024 14:24

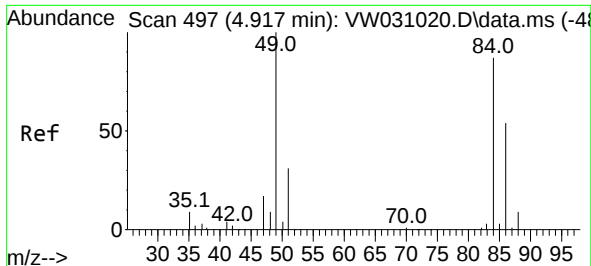
Tgt Ion: 76 Resp: 11562

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7

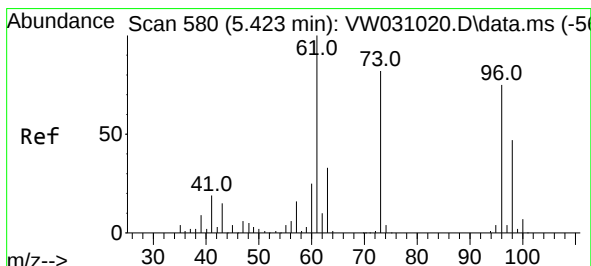
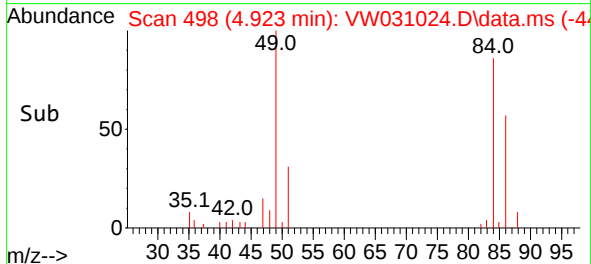
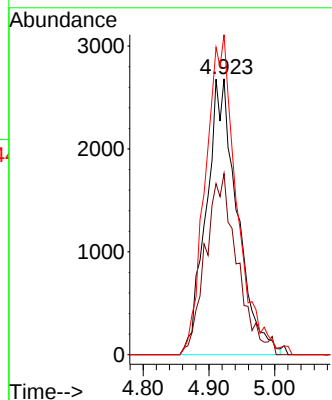
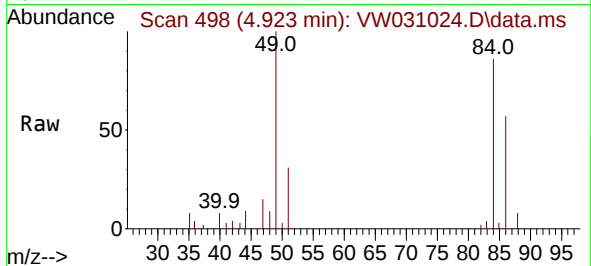




#16  
Methylene chloride  
Concen: 2.104 ug/L  
RT: 4.923 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

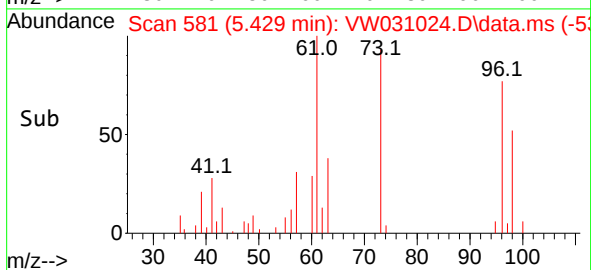
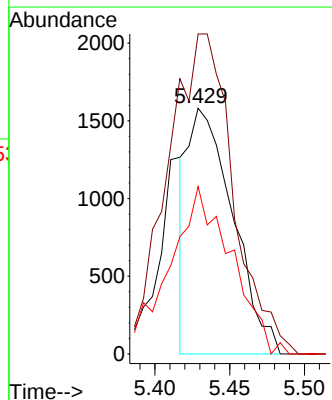
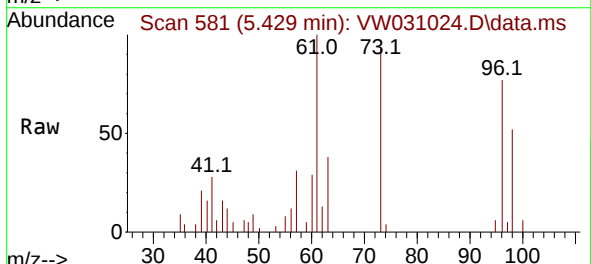
Instrument :  
MSVOA\_W  
ClientSampleId :

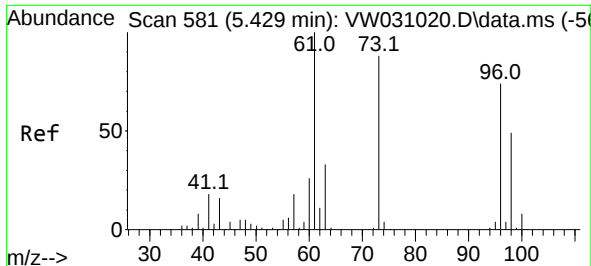
Tgt Ion: 84 Resp: 8818  
Ion Ratio Lower Upper  
84 100  
86 65.7 41.8 77.6  
49 116.0 82.8 153.8



#17  
trans-1,2-Dichloroethene  
Concen: 0.788 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

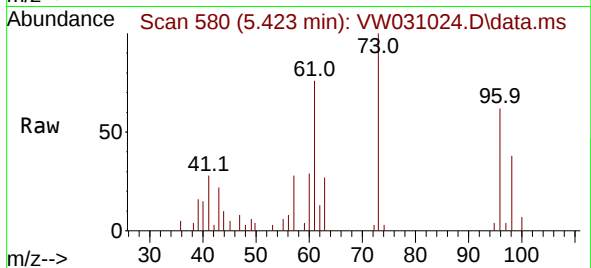
Tgt Ion: 96 Resp: 3313  
Ion Ratio Lower Upper  
96 100  
61 130.2 95.2 176.8  
98 68.1 42.6 79.2



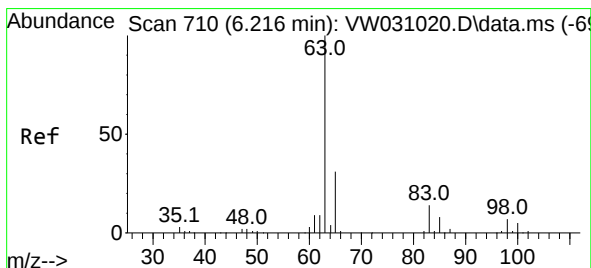
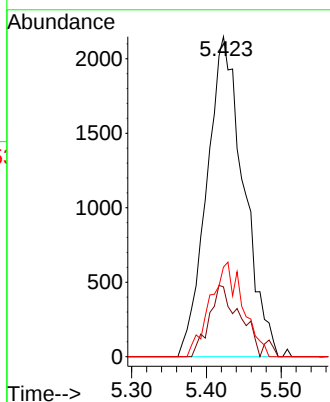
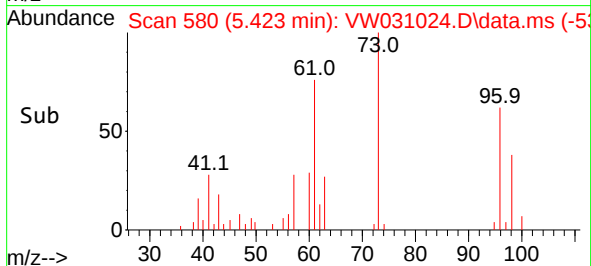


#18  
Methyl tert-butyl Ether  
Concen: 1.295 ug/L  
RT: 5.423 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

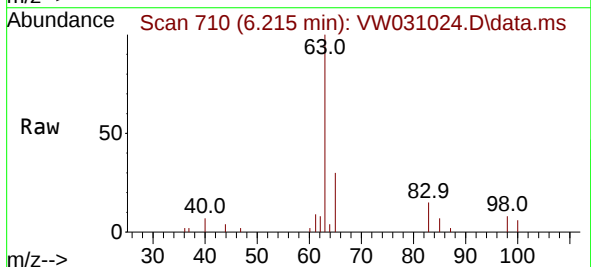
Instrument :  
MSVOA\_W  
ClientSampleId :



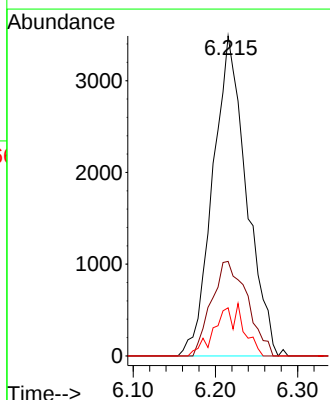
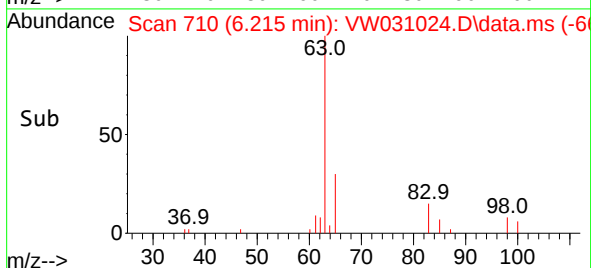
Tgt Ion: 73 Resp: 7346  
Ion Ratio Lower Upper  
73 100  
43 12.8 16.2 24.2#  
57 26.5 17.3 25.9#

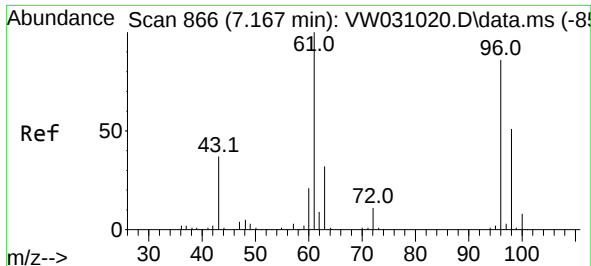


#19  
1,1-Dichloroethane  
Concen: 1.264 ug/L  
RT: 6.215 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24



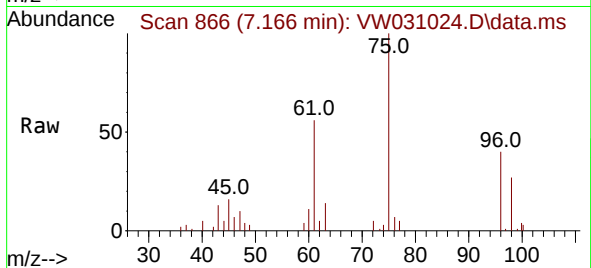
Tgt Ion: 63 Resp: 9915  
Ion Ratio Lower Upper  
63 100  
65 29.5 23.0 42.8  
83 15.1 9.8 18.2





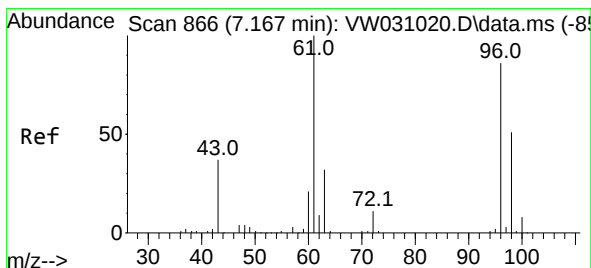
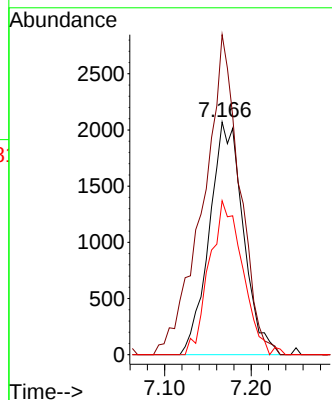
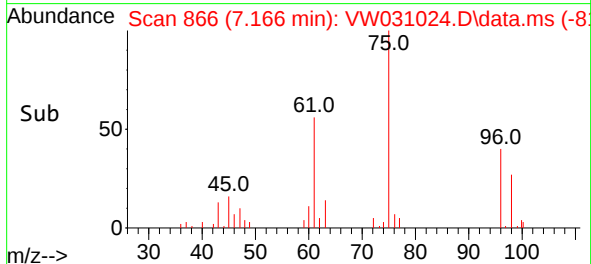
#20  
cis-1,2-Dichloroethene  
Concen: 1.260 ug/L  
RT: 7.166 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 5621

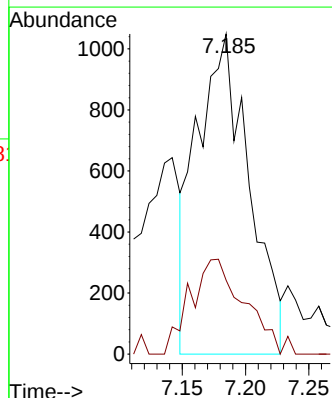
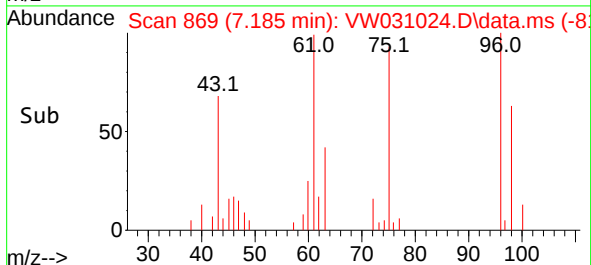
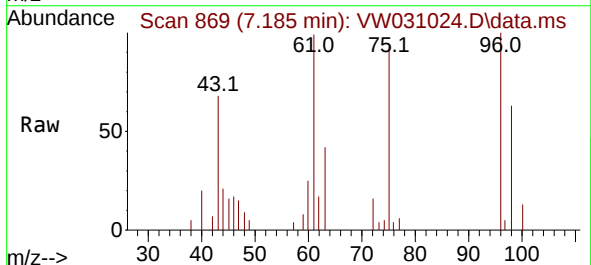
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 137.5 | 89.2  | 165.8 |
| 98  | 66.2  | 45.1  | 83.9  |

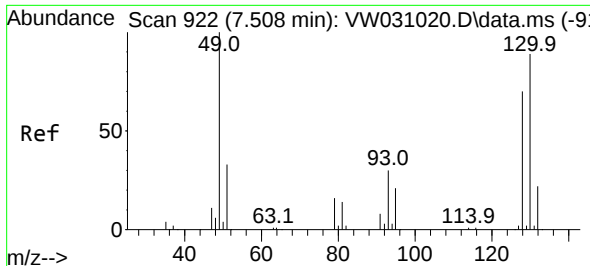


#22  
2-Butanone  
Concen: 2.746 ug/L  
RT: 7.185 min Scan# 869  
Delta R.T. 0.018 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion: 43 Resp: 3006

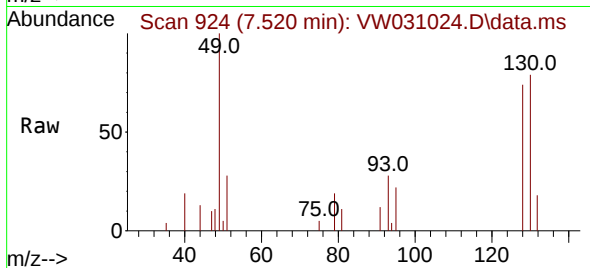
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 30.4  | 14.5  | 43.6  |



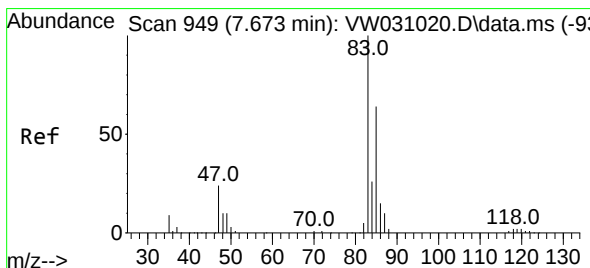
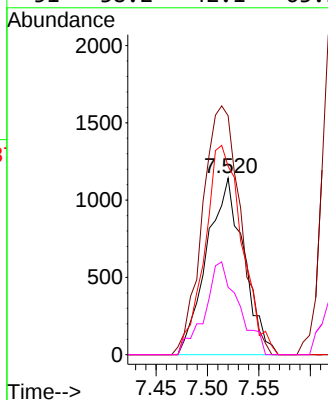
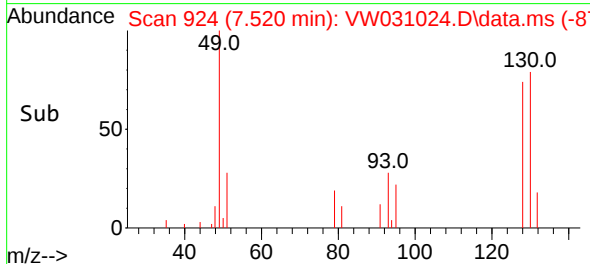


#23  
Bromochloromethane  
Concen: 1.465 ug/L  
RT: 7.520 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Instrument :  
MSVOA\_W  
ClientSampleId :

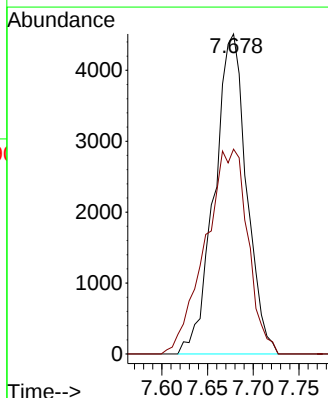
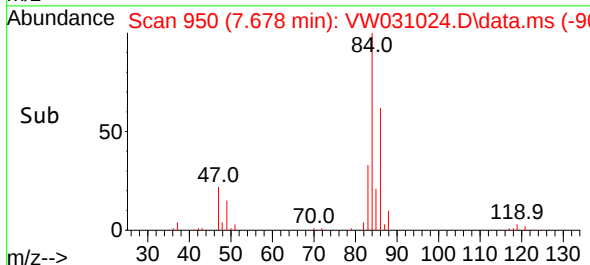
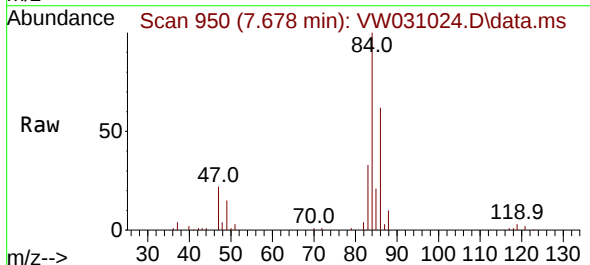


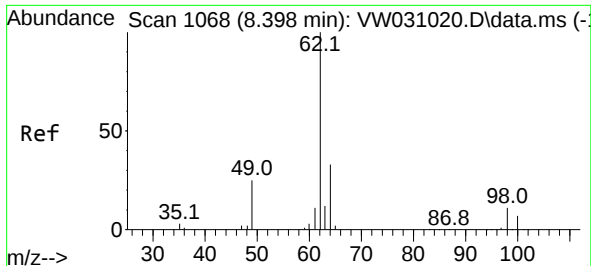
Tgt Ion:128 Resp: 2861  
Ion Ratio Lower Upper  
128 100  
49 135.3 112.4 208.8  
130 106.7 86.2 160.0  
51 38.2 42.1 63.1#



#25  
Chloroform  
Concen: 1.340 ug/L  
RT: 7.678 min Scan# 950  
Delta R.T. 0.006 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion: 83 Resp: 11064  
Ion Ratio Lower Upper  
83 100  
85 64.0 47.2 87.6





#27

1,2-Dichloroethane

Concen: 1.292 ug/L

RT: 8.404 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

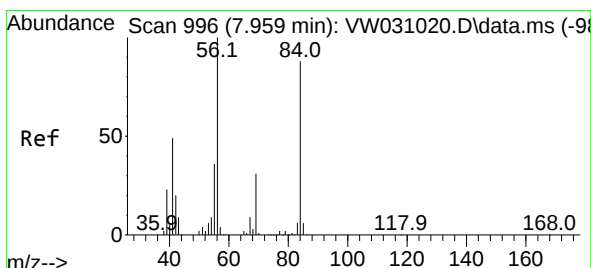
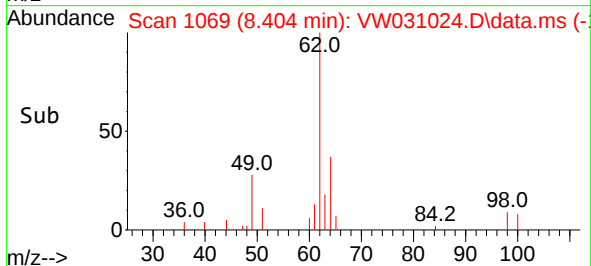
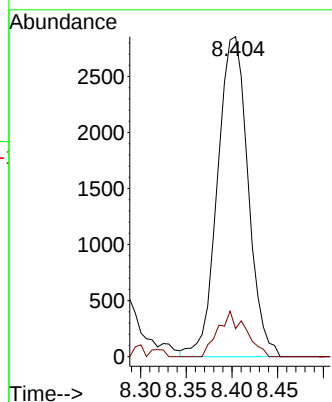
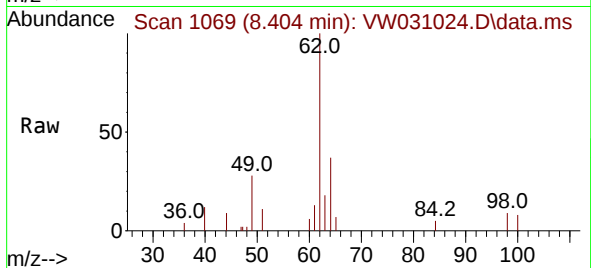
ClientSampleId :

Tgt Ion: 62 Resp: 6641

Ion Ratio Lower Upper

62 100

98 8.8 7.1 10.7



#29

Cyclohexane

Concen: 0.904 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

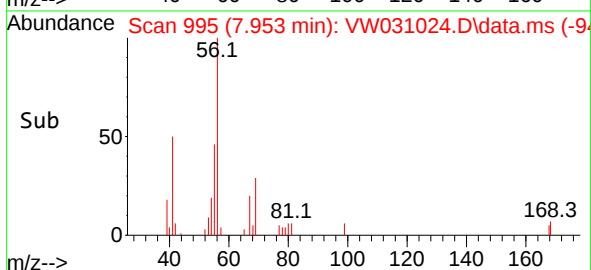
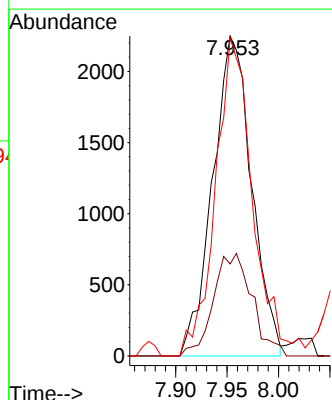
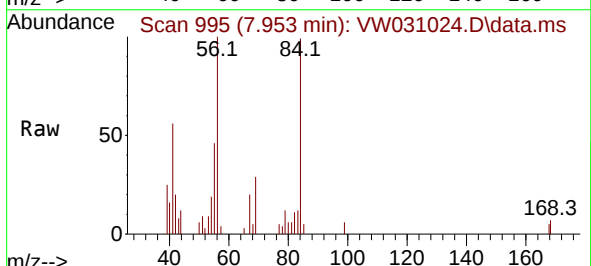
Tgt Ion: 56 Resp: 5924

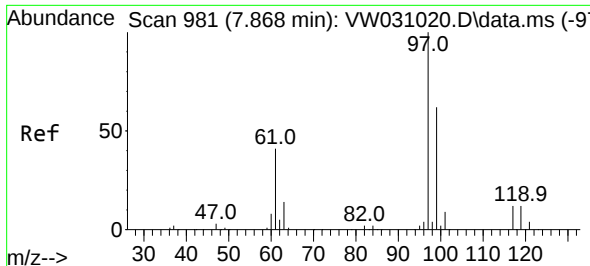
Ion Ratio Lower Upper

56 100

69 30.7 24.8 37.2

84 93.4 69.5 104.3

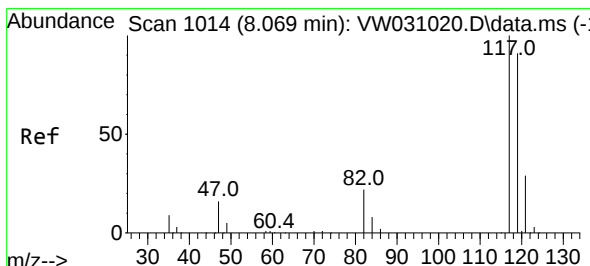
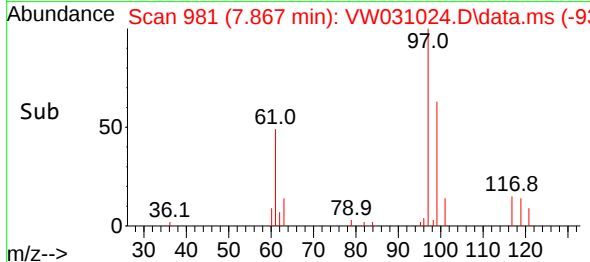
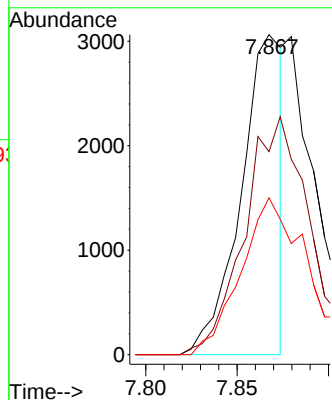
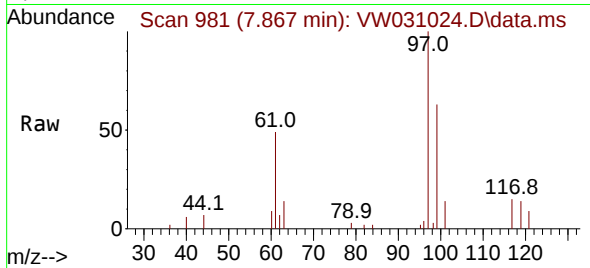




#30  
 1,1,1-Trichloroethane  
 Concen: 0.695 ug/L  
 RT: 7.867 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VW031024.D  
 Acq: 15 Nov 2024 14:24

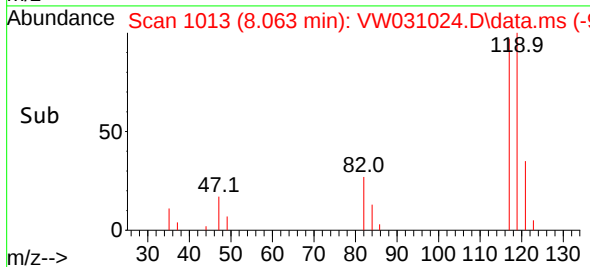
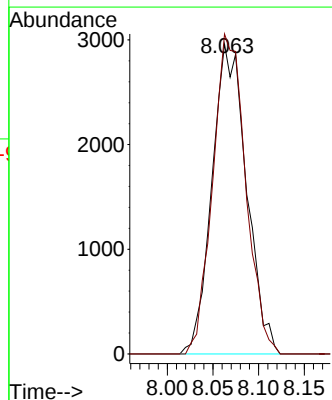
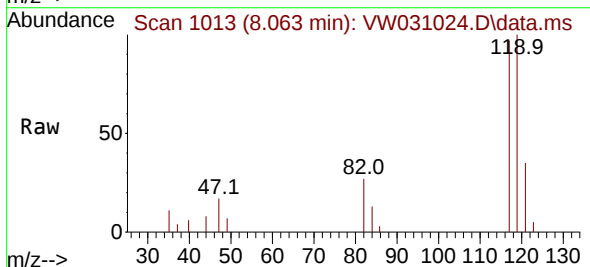
Instrument :  
 MSVOA\_W  
 ClientSampleId :

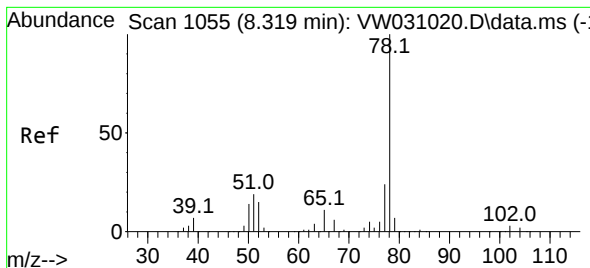
Tgt Ion: 97 Resp: 4883  
 Ion Ratio Lower Upper  
 97 100  
 99 113.8 51.3 76.9#  
 61 76.4 36.2 54.4#



#31  
 Carbon tetrachloride  
 Concen: 1.232 ug/L  
 RT: 8.063 min Scan# 1013  
 Delta R.T. -0.006 min  
 Lab File: VW031024.D  
 Acq: 15 Nov 2024 14:24

Tgt Ion: 117 Resp: 7781  
 Ion Ratio Lower Upper  
 117 100  
 119 98.5 76.2 114.2





#33

Benzene

Concen: 1.230 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW031024.D

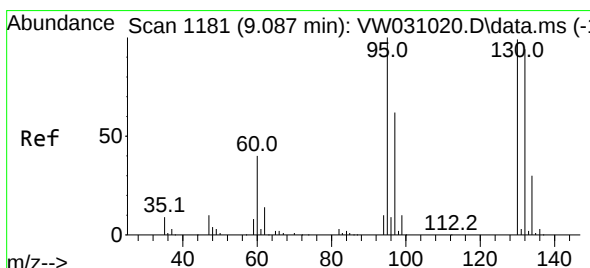
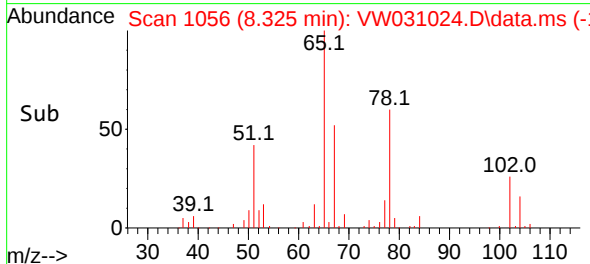
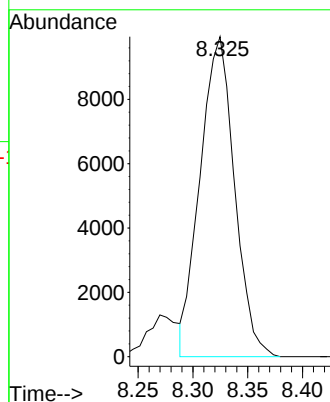
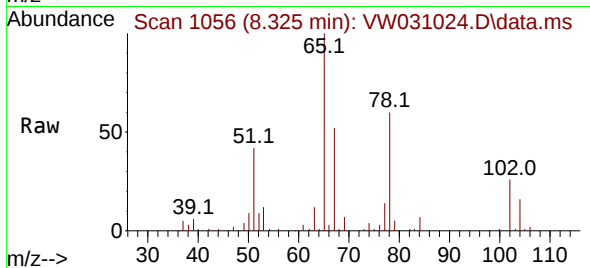
Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 78 Resp: 21695



#34

Trichloroethene

Concen: 1.244 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion: 95 Resp: 6048

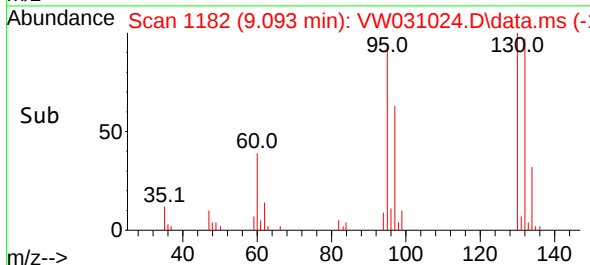
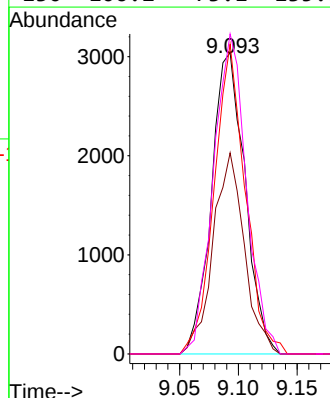
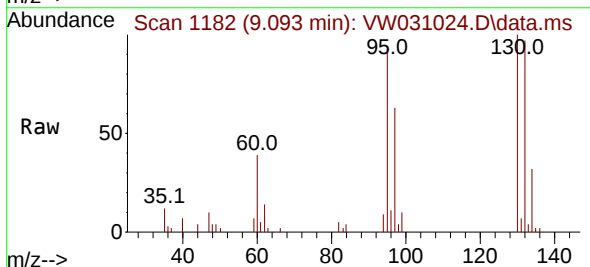
Ion Ratio Lower Upper

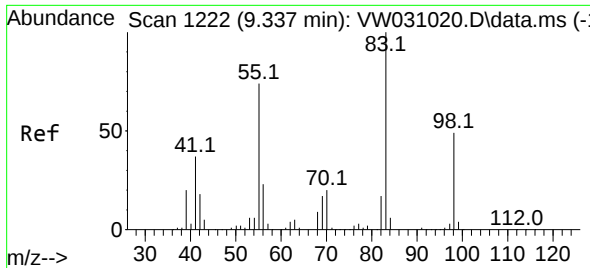
95 100

97 66.7 48.9 90.7

132 102.8 67.7 125.7

130 106.2 73.1 135.8

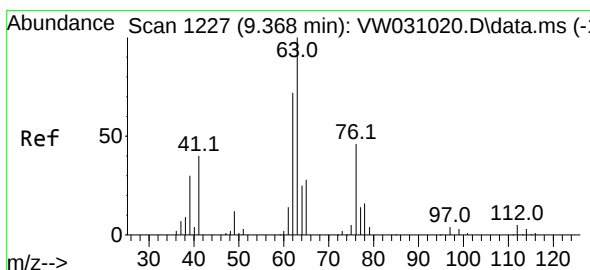
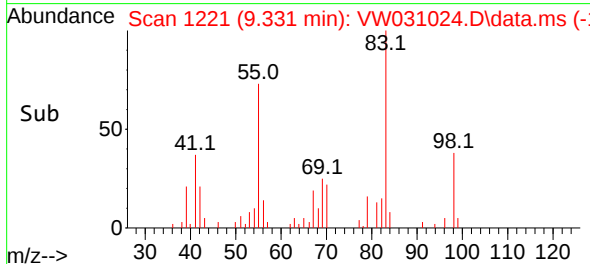
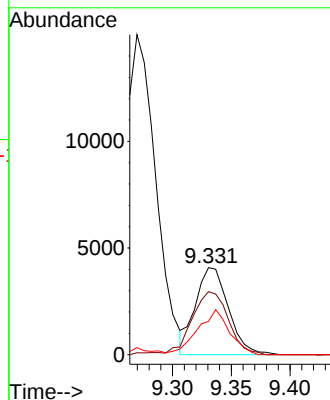
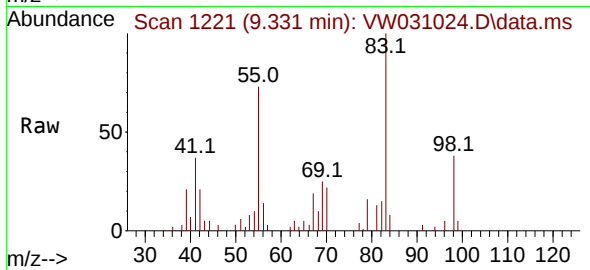




#35  
Methylcyclohexane  
Concen: 1.039 ug/L  
RT: 9.331 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

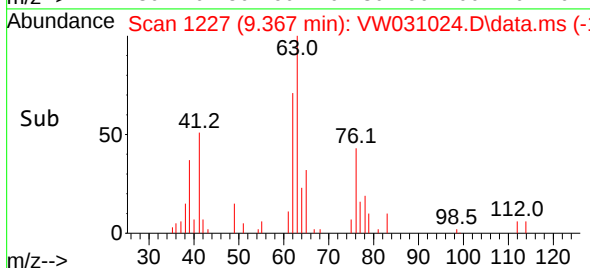
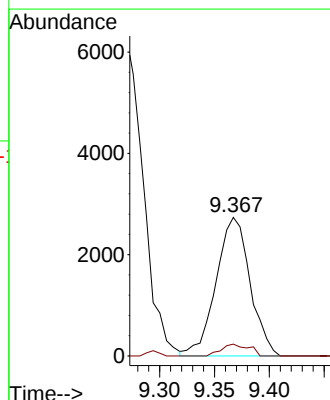
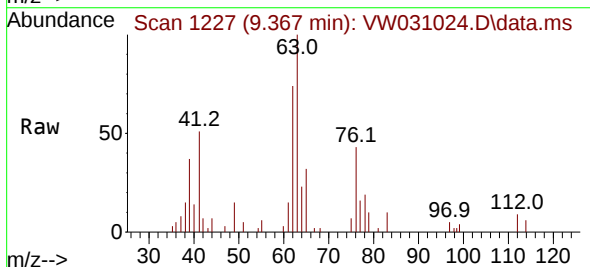
Instrument :  
MSVOA\_W  
ClientSampleId :

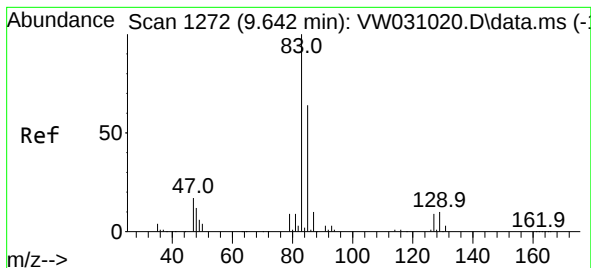
Tgt Ion: 83 Resp: 8004  
Ion Ratio Lower Upper  
83 100  
55 78.6 62.8 94.2  
98 49.7 39.4 59.2



#37  
1,2-Dichloropropane  
Concen: 1.338 ug/L  
RT: 9.367 min Scan# 1227  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion: 63 Resp: 5897  
Ion Ratio Lower Upper  
63 100  
112 5.9 3.5 5.3#





#38

Bromodichloromethane

Concen: 1.332 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW031024.D

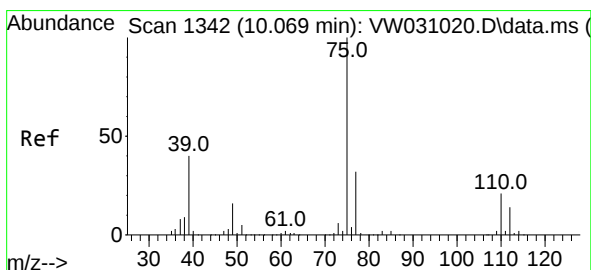
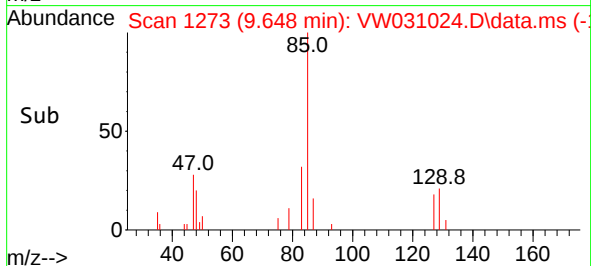
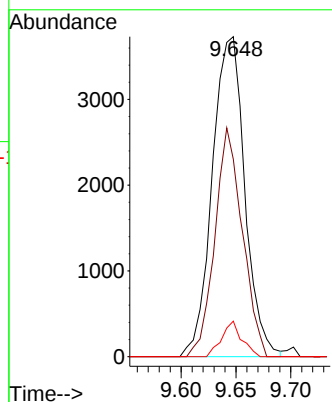
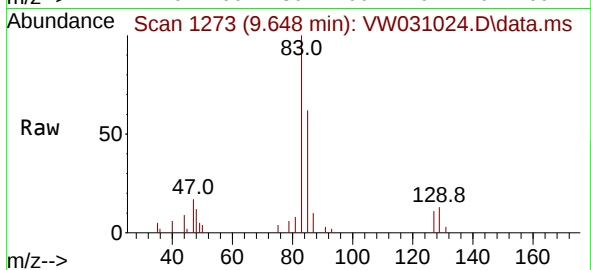
Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 7706     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 85          | 61.7 44.1 81.9 |
| 127         | 11.1 6.4 9.6#  |



#39

cis-1,3-Dichloropropene

Concen: 1.223 ug/L

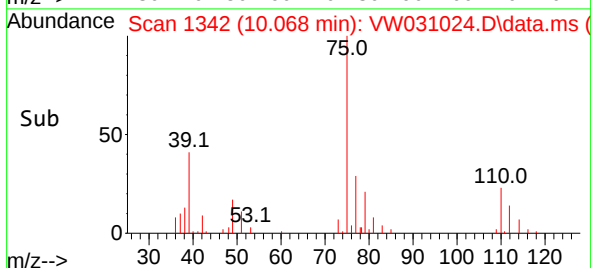
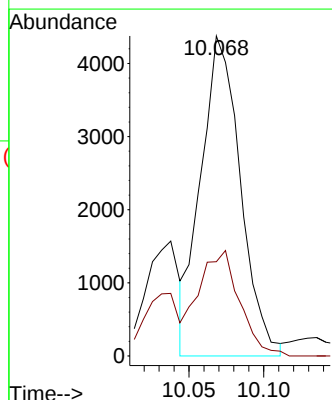
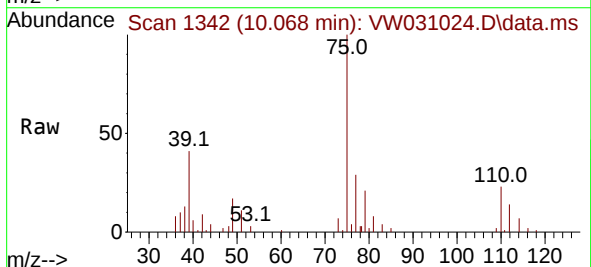
RT: 10.068 min Scan# 1342

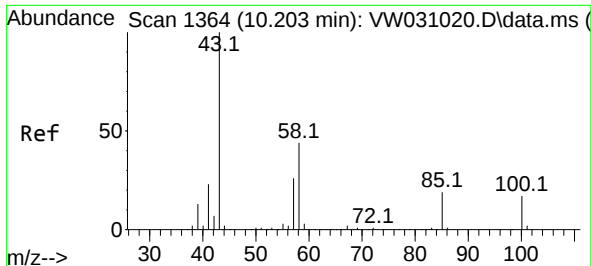
Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 8062     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 77          | 29.4 21.3 39.6 |

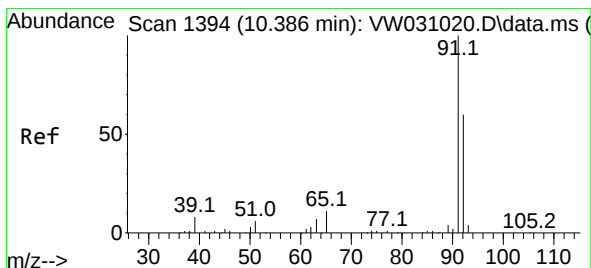
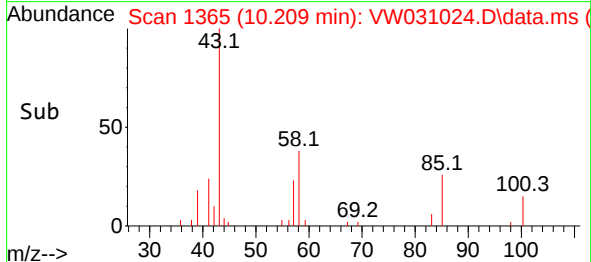
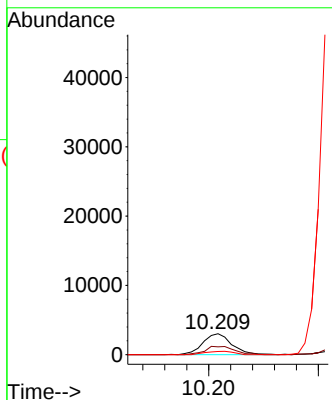
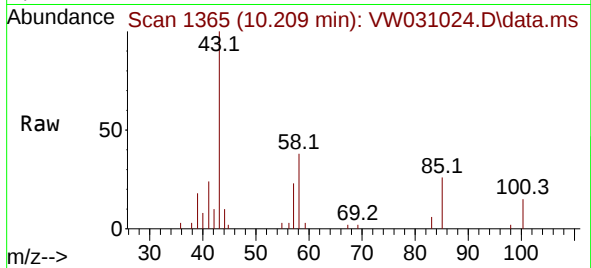




#40  
4-Methyl-2-pentanone  
Concen: 2.758 ug/L  
RT: 10.209 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

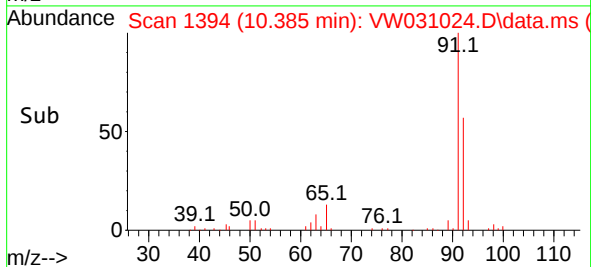
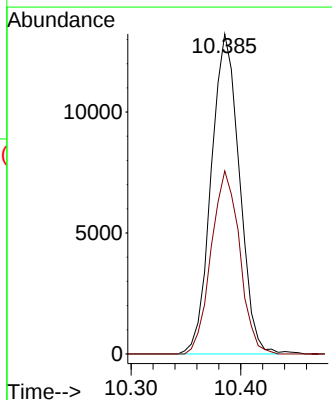
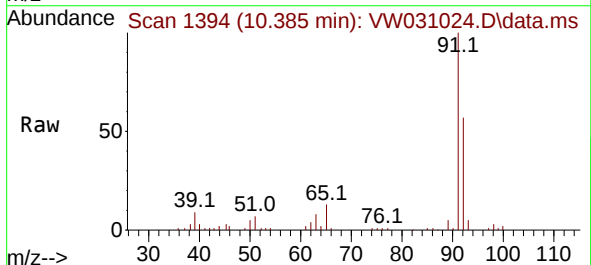
Instrument :  
MSVOA\_W  
ClientSampleId :

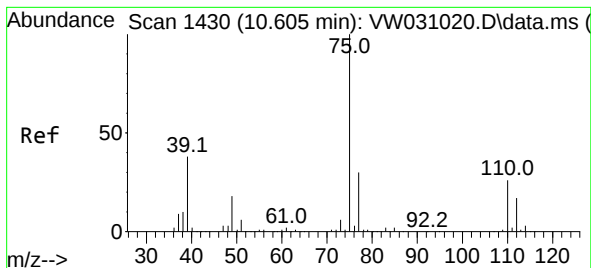
Tgt Ion: 43 Resp: 5557  
Ion Ratio Lower Upper  
43 100  
58 40.7 32.2 48.4  
100 15.6 13.3 19.9



#42  
Toluene  
Concen: 1.267 ug/L  
RT: 10.385 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion: 91 Resp: 23654  
Ion Ratio Lower Upper  
91 100  
92 57.2 39.4 73.2





#44

trans-1,3-Dichloropropene

Concen: 1.619 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

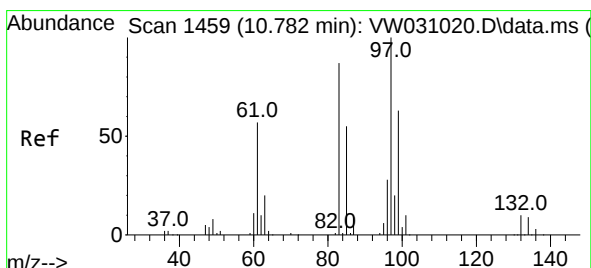
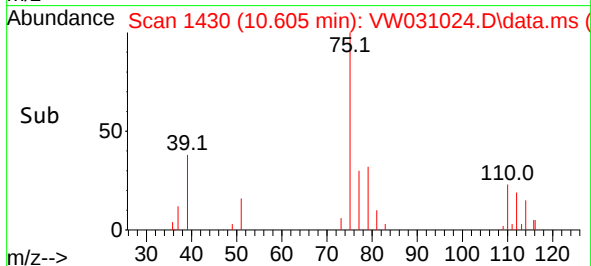
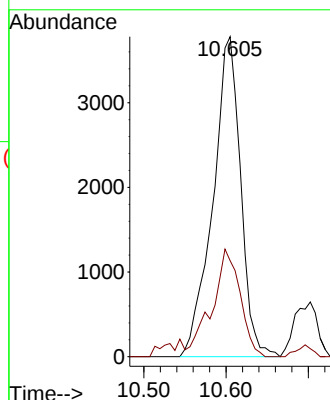
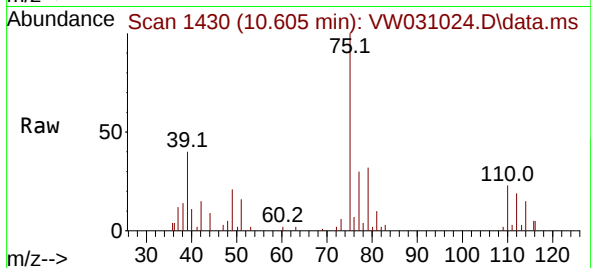
ClientSampleId :

Tgt Ion: 75 Resp: 8867

Ion Ratio Lower Upper

75 100

77 30.0 23.6 43.8



#45

1,1,2-Trichloroethane

Concen: 1.385 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion: 97 Resp: 4382

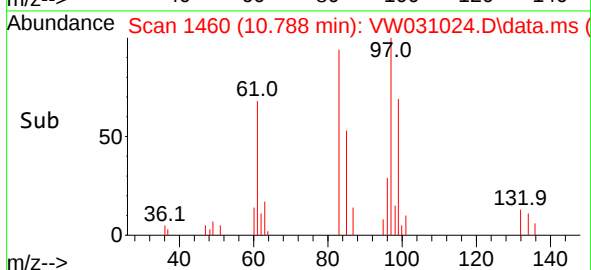
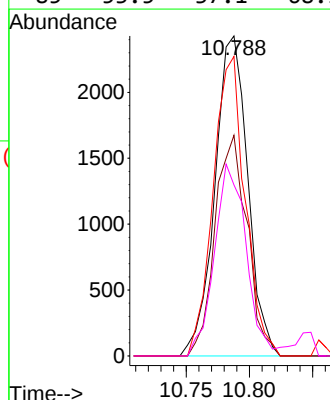
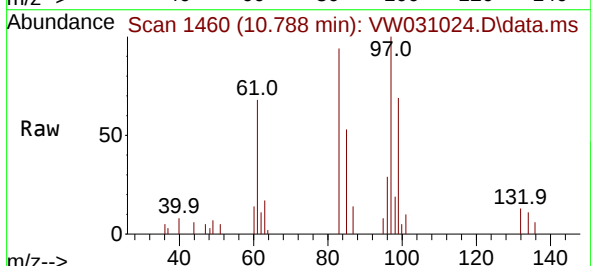
Ion Ratio Lower Upper

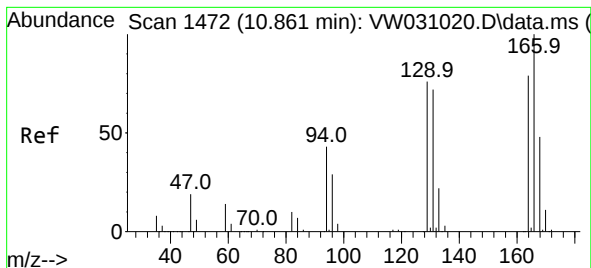
97 100

99 68.9 42.8 79.4

83 93.6 60.6 112.6

85 53.5 37.1 68.9





#46

Tetrachloroethene

Concen: 1.202 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

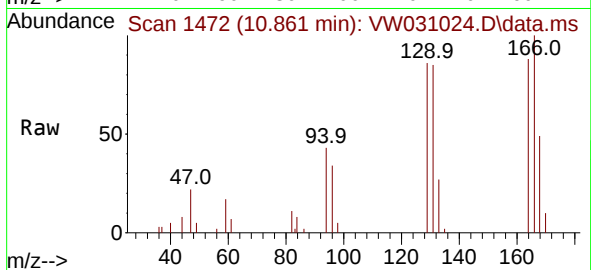
Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:164 Resp: 4468

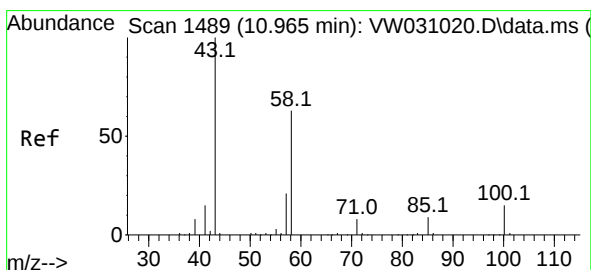
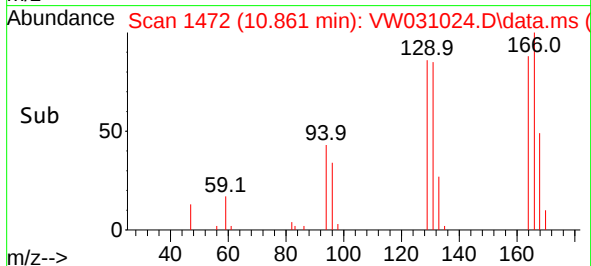
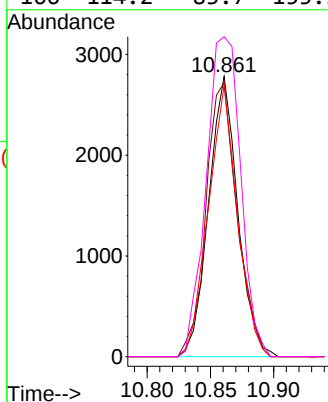
Ion Ratio Lower Upper

164 100

129 97.8 71.1 132.1

131 96.8 62.6 116.3

166 114.2 83.7 155.5



#48

2-Hexanone

Concen: 2.502 ug/L

RT: 10.964 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion: 43 Resp: 3836

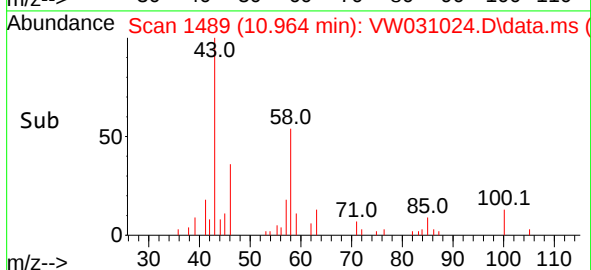
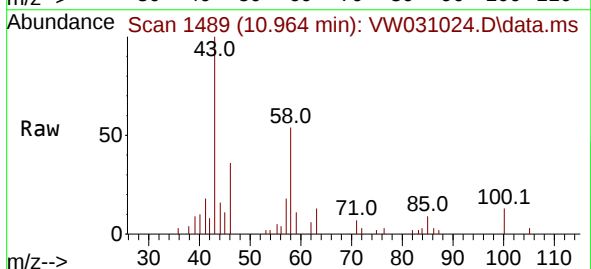
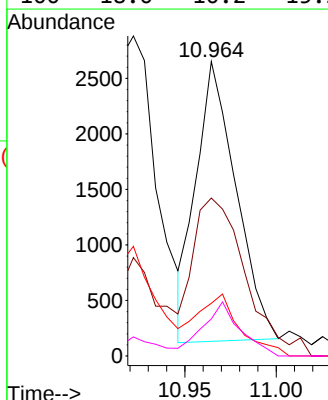
Ion Ratio Lower Upper

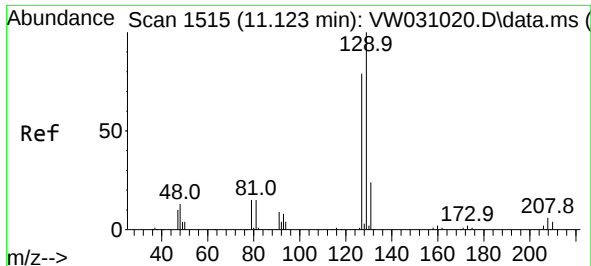
43 100

58 73.1 43.8 65.8#

57 24.4 15.4 23.2#

100 18.0 10.2 15.2#

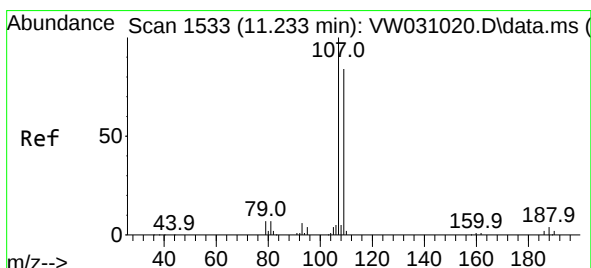
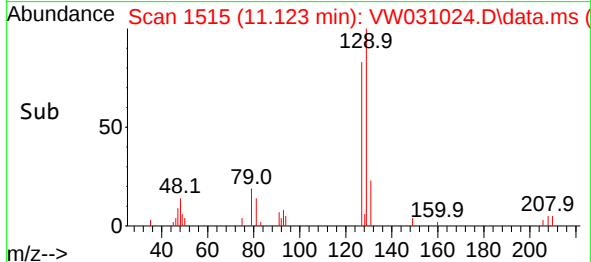
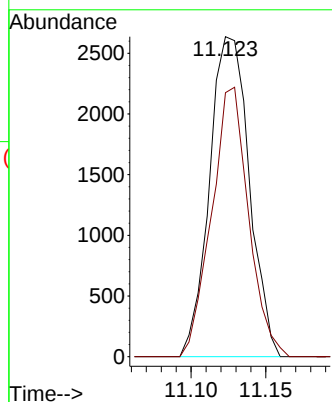
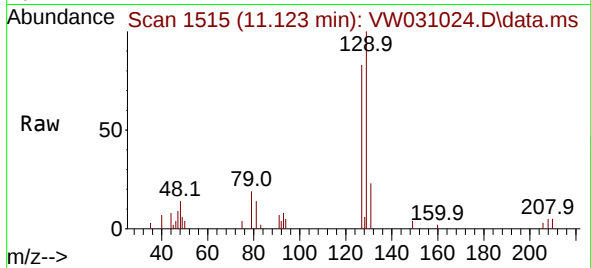




#49  
Dibromochloromethane  
Concen: 1.415 ug/L  
RT: 11.123 min Scan# 1115  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

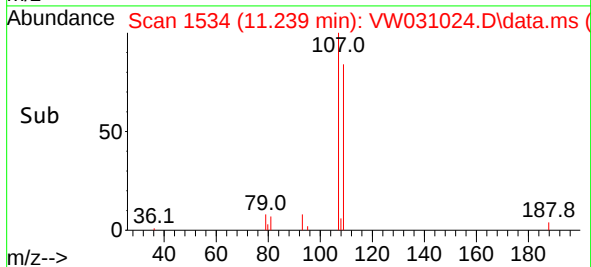
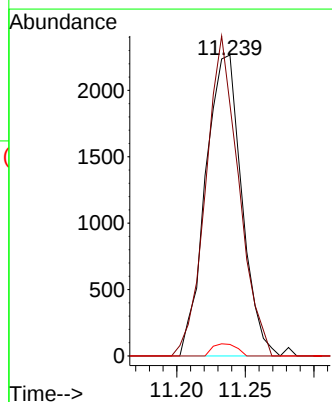
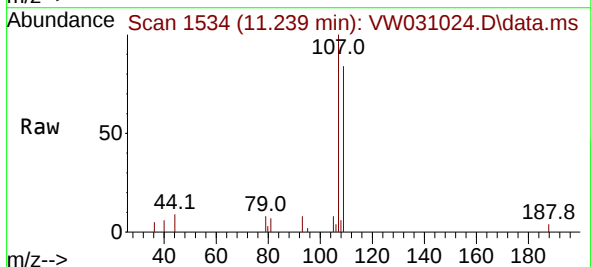
Instrument :  
MSVOA\_W  
ClientSampleId :

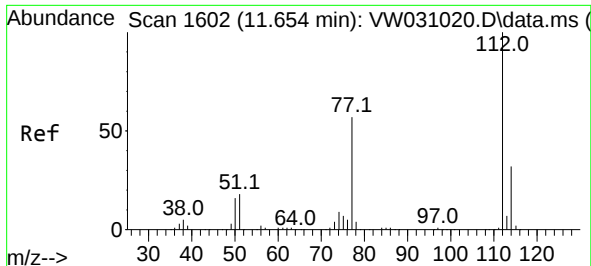
Tgt Ion:129 Resp: 4881  
Ion Ratio Lower Upper  
129 100  
127 82.5 52.1 96.7



#50  
1,2-Dibromoethane  
Concen: 1.425 ug/L  
RT: 11.239 min Scan# 1534  
Delta R.T. 0.006 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion:107 Resp: 4158  
Ion Ratio Lower Upper  
107 100  
109 83.5 64.3 119.3  
188 3.8 2.7 4.1

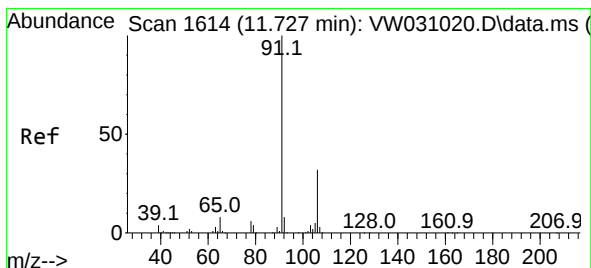
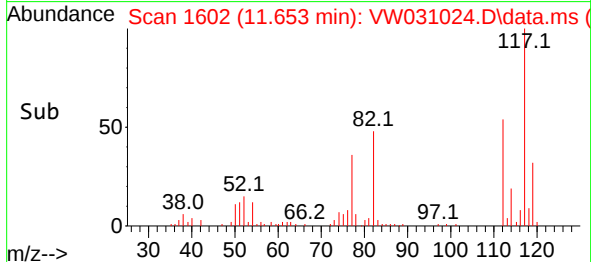
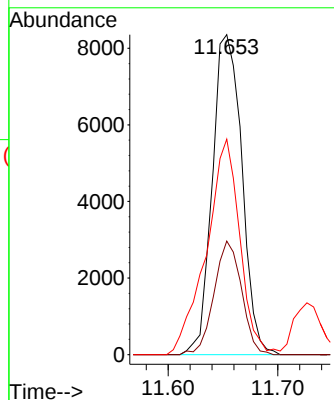
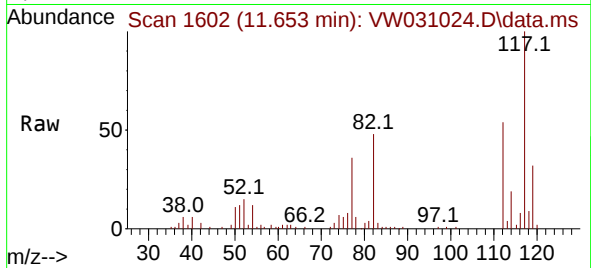




#51  
Chlorobenzene  
Concen: 1.309 ug/L  
RT: 11.653 min Scan# 1162  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

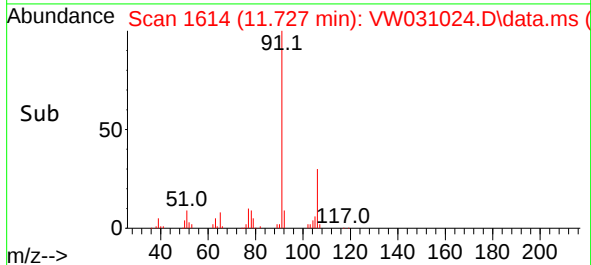
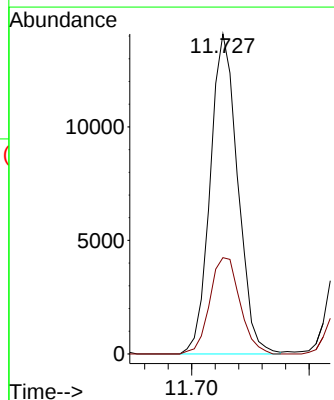
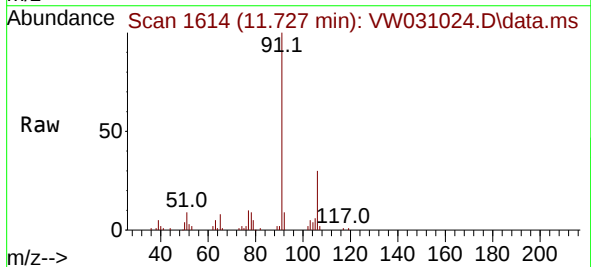
Instrument :  
MSVOA\_W  
ClientSampleId :

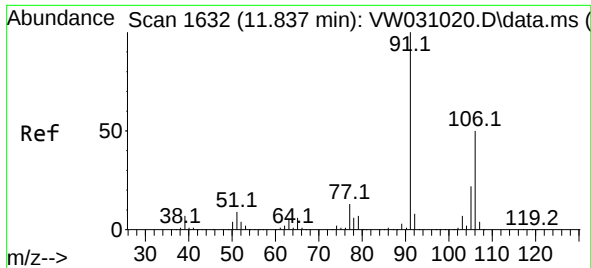
Tgt Ion:112 Resp: 15642  
Ion Ratio Lower Upper  
112 100  
114 35.5 21.9 40.7  
77 67.4 45.3 67.9



#52  
Ethylbenzene  
Concen: 1.090 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion: 91 Resp: 22986  
Ion Ratio Lower Upper  
91 100  
106 30.1 21.6 40.0

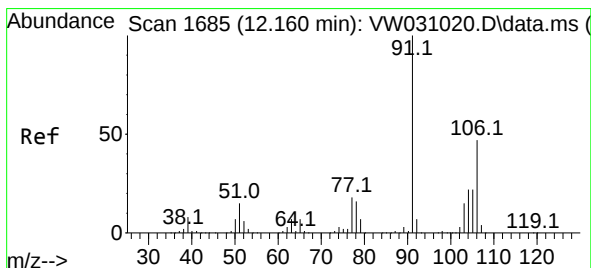
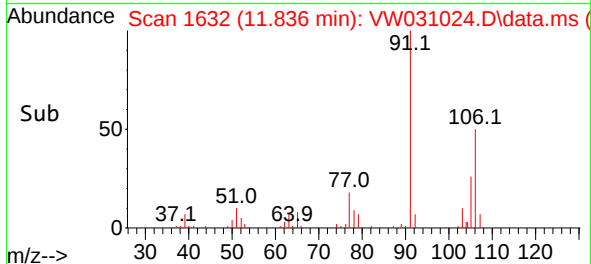
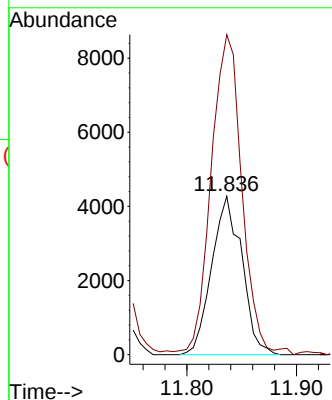
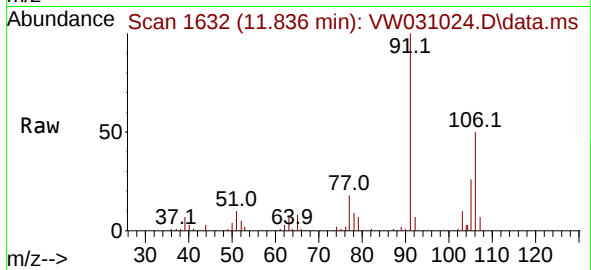




#53  
m,p-Xylene  
Concen: 1.031 ug/L  
RT: 11.836 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

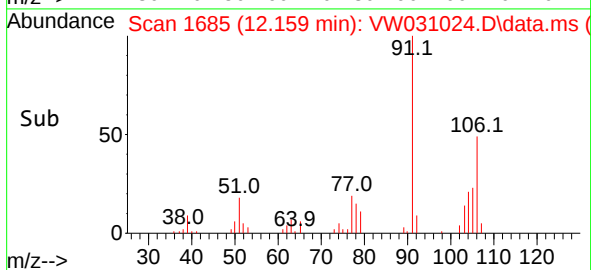
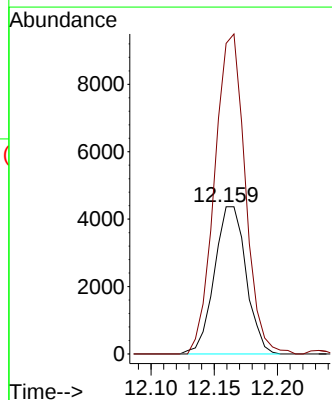
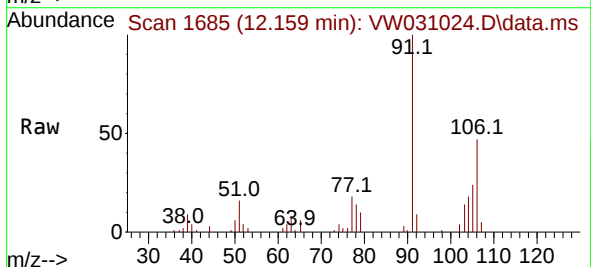
Instrument :  
MSVOA\_W  
ClientSampleId :

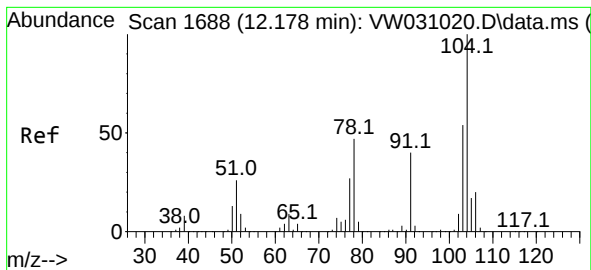
Tgt Ion:106 Resp: 8179  
Ion Ratio Lower Upper  
106 100  
91 202.0 140.7 261.3



#54  
o-Xylene  
Concen: 1.043 ug/L  
RT: 12.159 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion:106 Resp: 7613  
Ion Ratio Lower Upper  
106 100  
91 210.9 149.9 278.3





#55

Styrene

Concen: 0.993 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

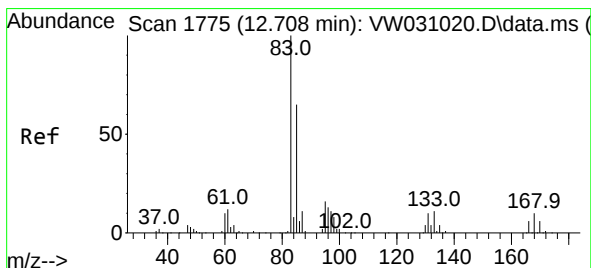
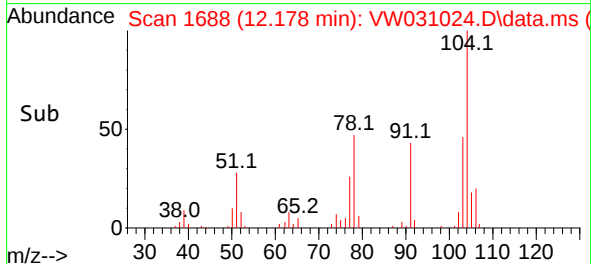
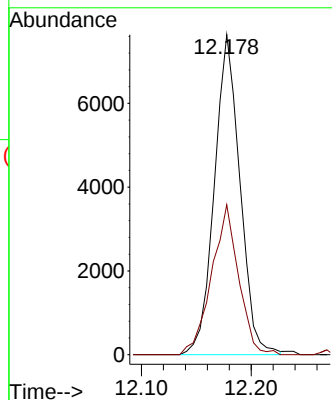
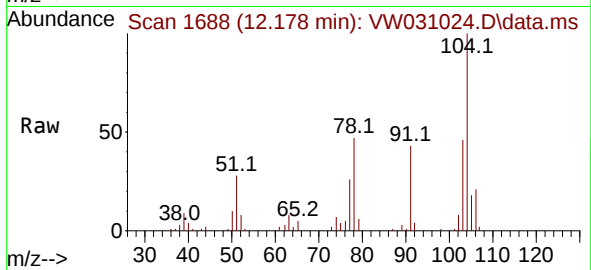
ClientSampleId :

Tgt Ion:104 Resp: 12385

Ion Ratio Lower Upper

104 100

78 46.9 31.8 59.0



#57

1,1,2,2-Tetrachloroethane

Concen: 1.691 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

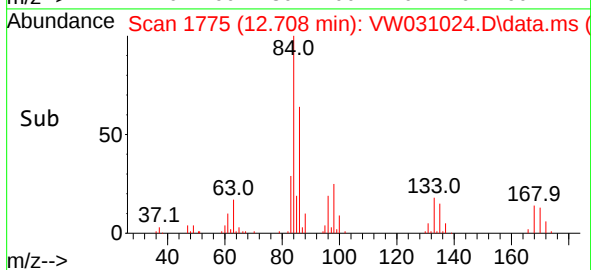
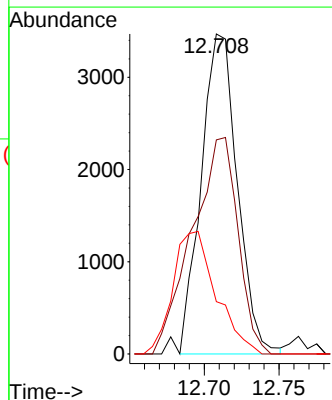
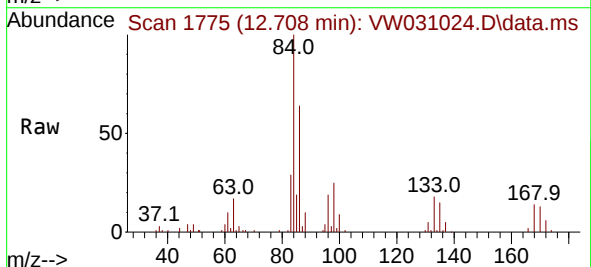
Tgt Ion: 83 Resp: 5836

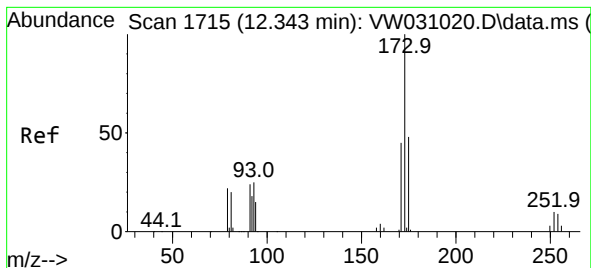
Ion Ratio Lower Upper

83 100

85 66.9 45.1 83.7

131 16.4 7.7 11.5#





#59

Bromoform

Concen: 1.464 ug/L

RT: 12.348 min Scan# 1715

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

ClientSampleId :

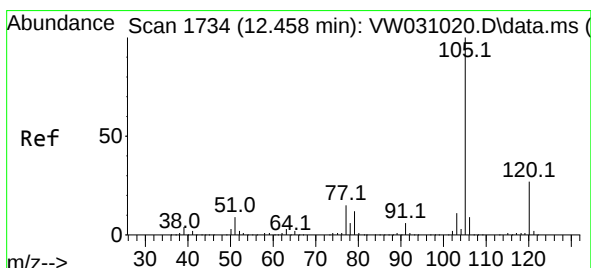
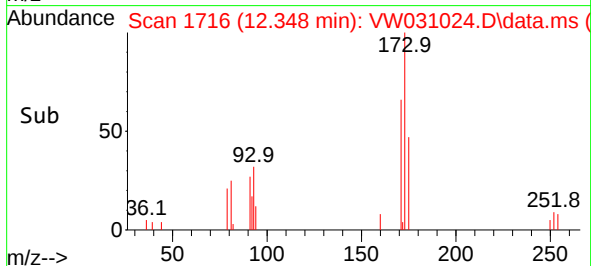
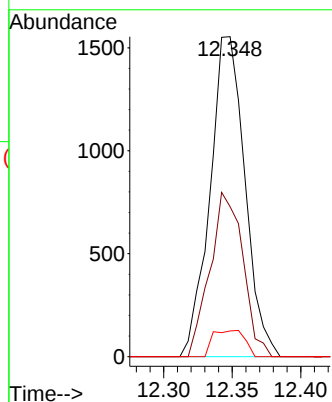
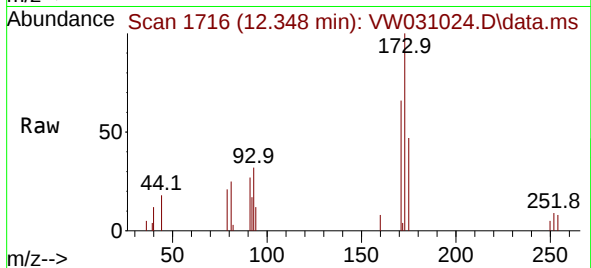
Tgt Ion:173 Resp: 2753

Ion Ratio Lower Upper

173 100

175 48.4 39.3 58.9

254 3.2 7.8 11.6#



#60

Isopropylbenzene

Concen: 0.960 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

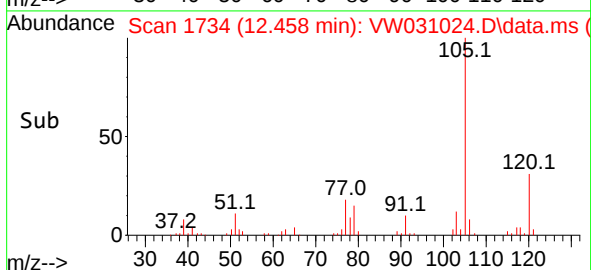
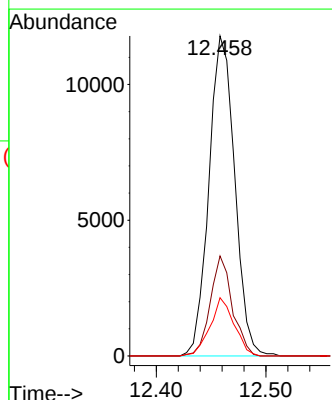
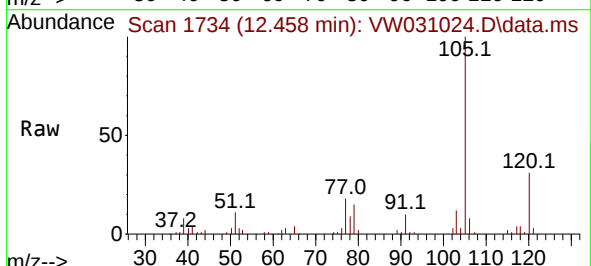
Tgt Ion:105 Resp: 19290

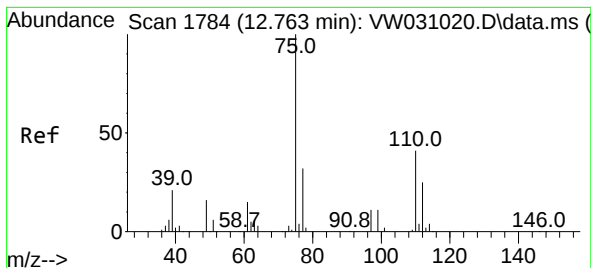
Ion Ratio Lower Upper

105 100

120 26.8 20.6 31.0

77 17.0 13.0 19.4





#61

1,2,3-Trichloropropane

Concen: 1.605 ug/L

RT: 12.763 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031024.D

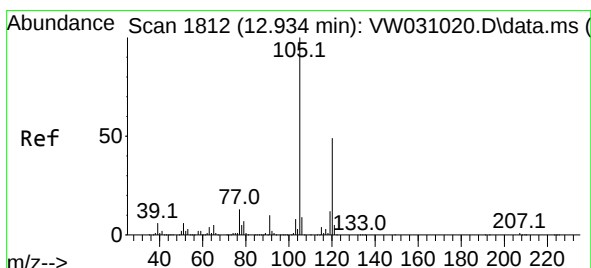
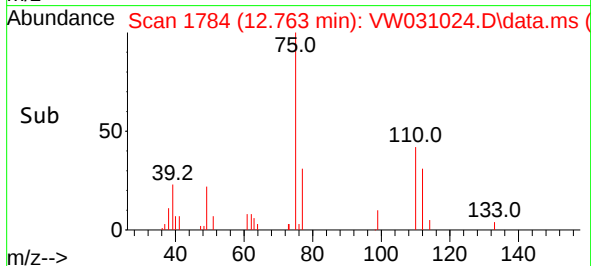
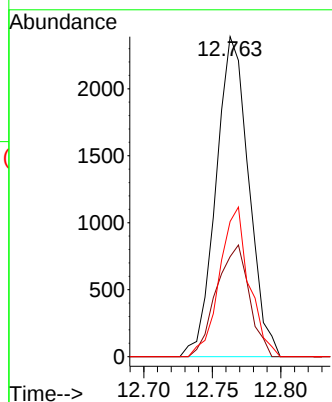
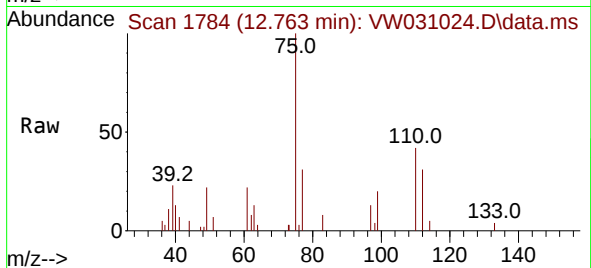
Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3965  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 34.9  | 26.2  | 39.2  |
| 110      | 42.3  | 31.8  | 47.8  |



#62

1,3,5-Trimethylbenzene

Concen: 0.961 ug/L

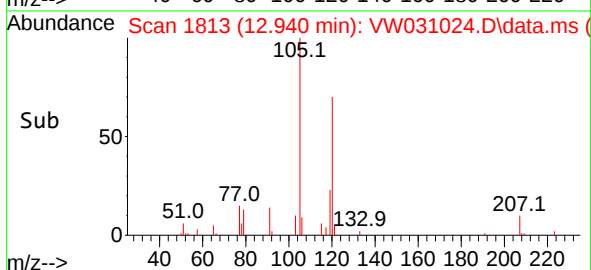
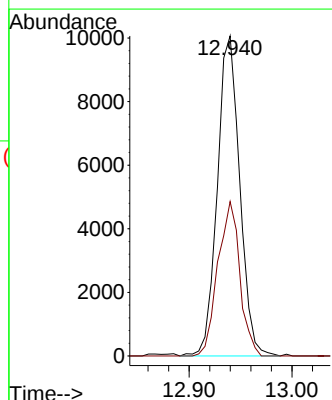
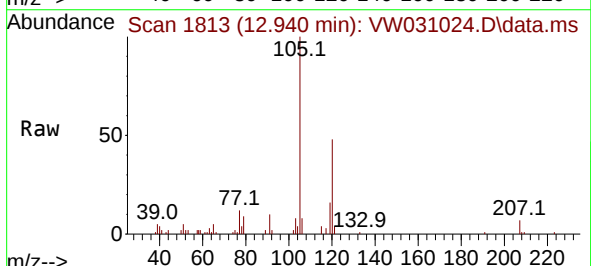
RT: 12.940 min Scan# 1813

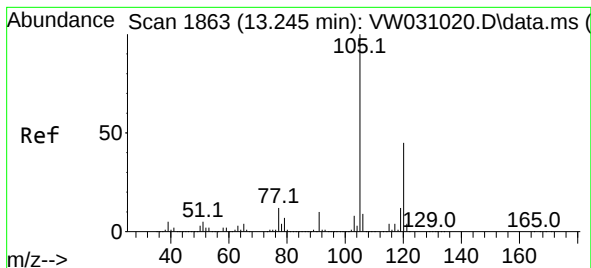
Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 15198 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 47.4  | 38.7  | 58.1  |





#63

1,2,4-Trimethylbenzene

Concen: 0.908 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

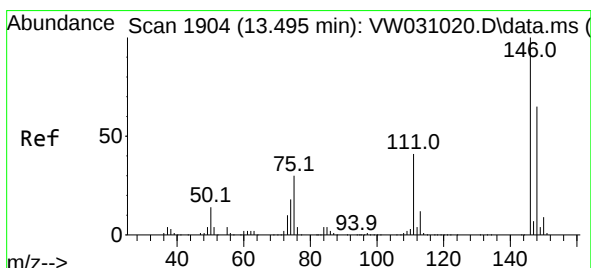
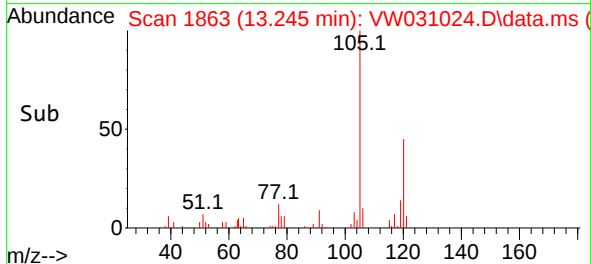
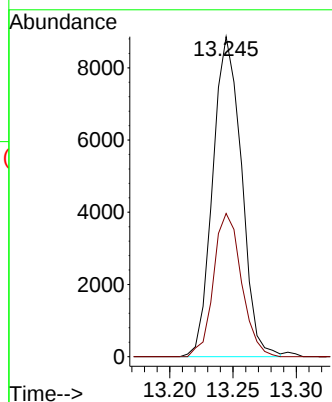
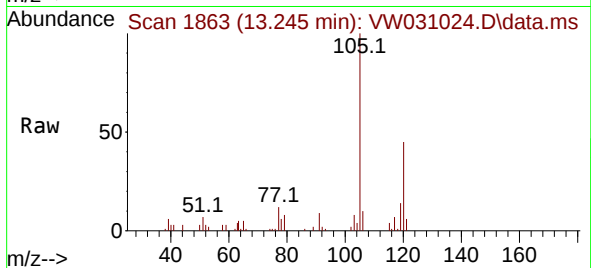
ClientSampleId :

Tgt Ion:105 Resp: 13993

Ion Ratio Lower Upper

105 100

120 43.6 35.9 53.9



#64

1,3-Dichlorobenzene

Concen: 1.258 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

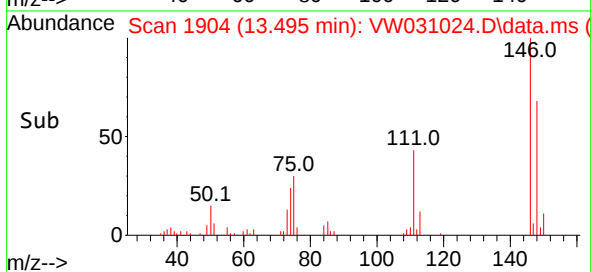
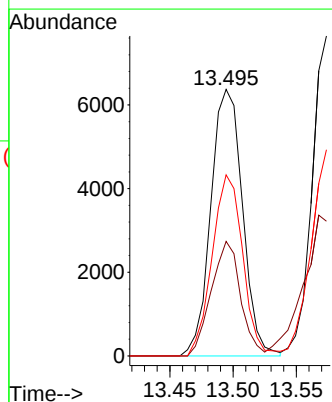
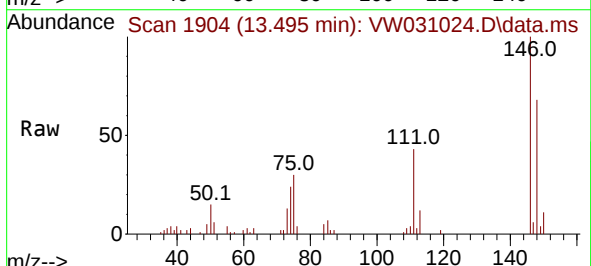
Tgt Ion:146 Resp: 11100

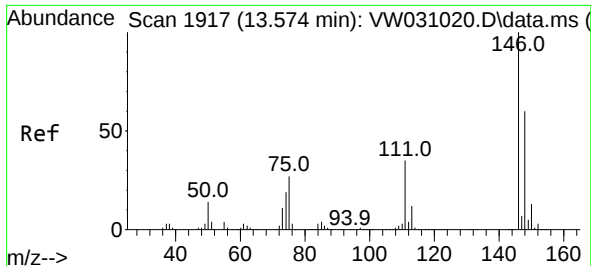
Ion Ratio Lower Upper

146 100

111 43.0 26.8 49.8

148 68.0 41.8 77.6

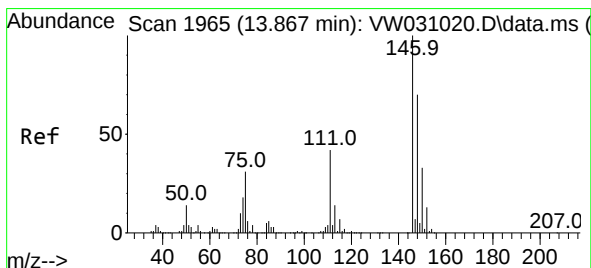
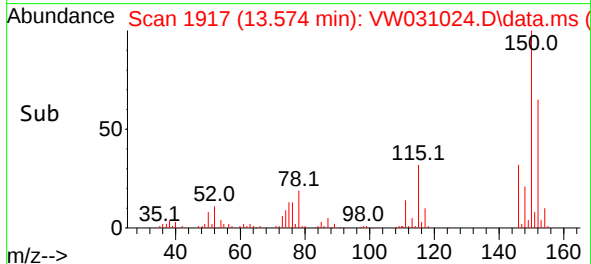
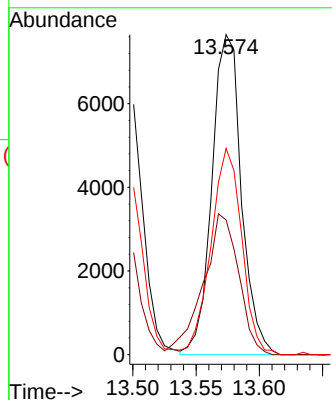
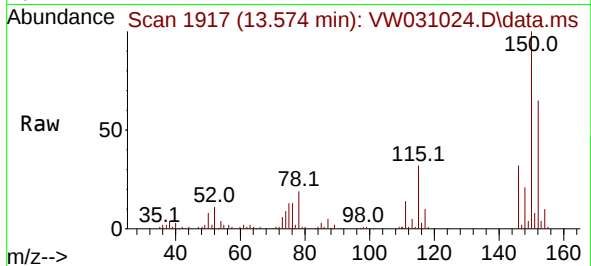




#65  
1,4-Dichlorobenzene  
Concen: 1.370 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

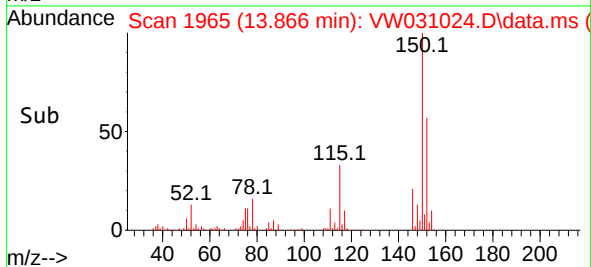
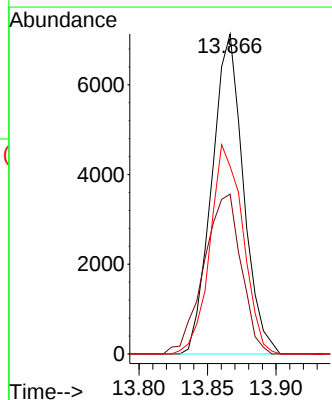
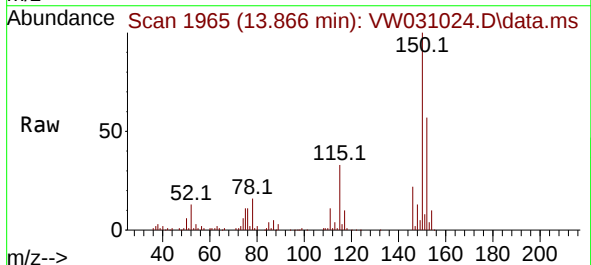
Instrument :  
MSVOA\_W  
ClientSampleId :

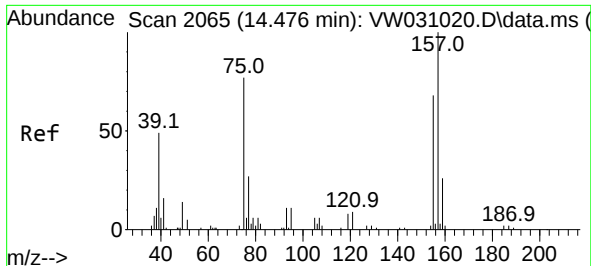
Tgt Ion:146 Resp: 12411  
Ion Ratio Lower Upper  
146 100  
111 42.1 27.6 51.4  
148 64.4 41.6 77.2



#67  
1,2-Dichlorobenzene  
Concen: 1.451 ug/L  
RT: 13.866 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW031024.D  
Acq: 15 Nov 2024 14:24

Tgt Ion:146 Resp: 11409  
Ion Ratio Lower Upper  
146 100  
111 50.0 34.3 51.5  
148 58.6 48.0 72.0





#68

1,2-Dibromo-3-chloropropane

Concen: 2.657 ug/L

RT: 14.616 min Scan# 2088

Delta R.T. 0.140 min

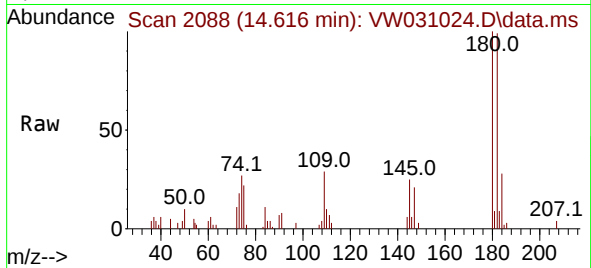
Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

ClientSampleId :



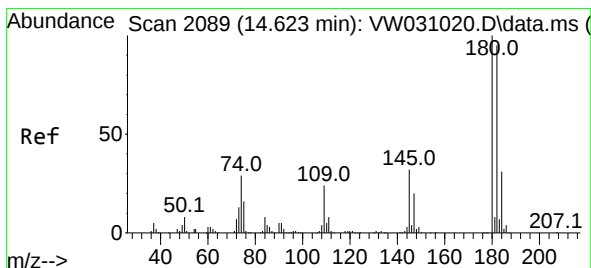
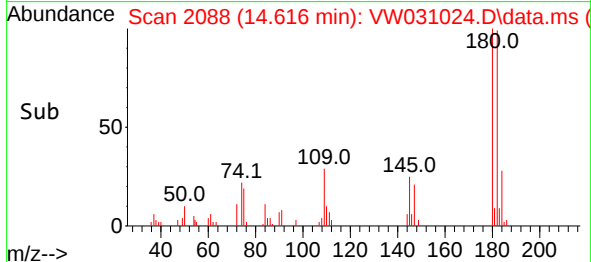
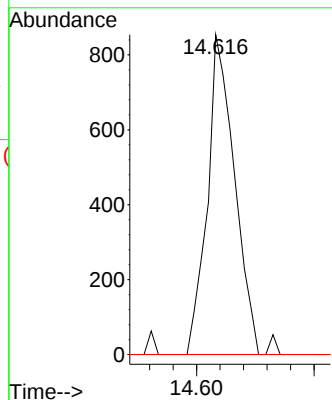
Tgt Ion: 75 Resp: 1389

Ion Ratio Lower Upper

75 100

155 0.0 56.2 84.2#

157 0.0 74.9 112.3#



#69

1,3,5-Trichlorobenzene

Concen: 1.324 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion:180 Resp: 7749

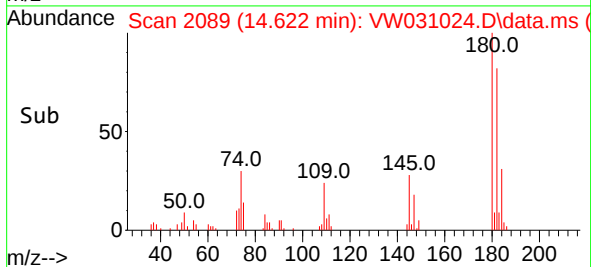
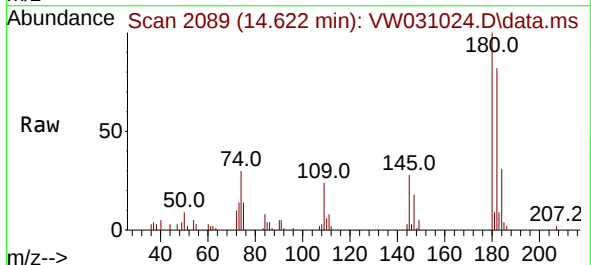
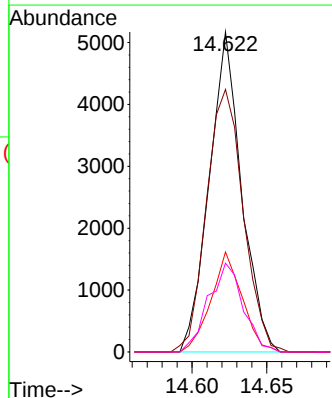
Ion Ratio Lower Upper

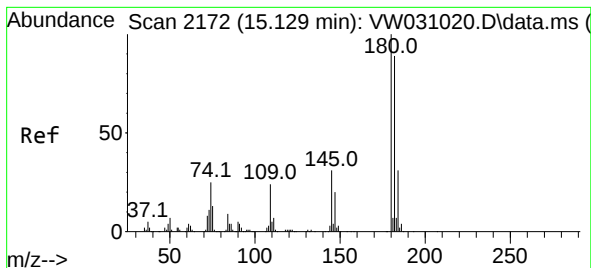
180 100

182 93.3 76.6 114.8

184 30.2 23.9 35.9

145 29.8 23.9 35.9





#70

1,2,4-trichlorobenzene

Concen: 1.188 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA\_W

ClientSampleId :

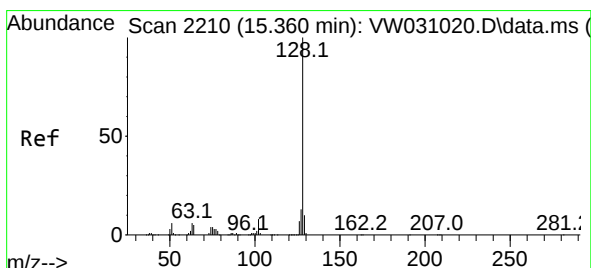
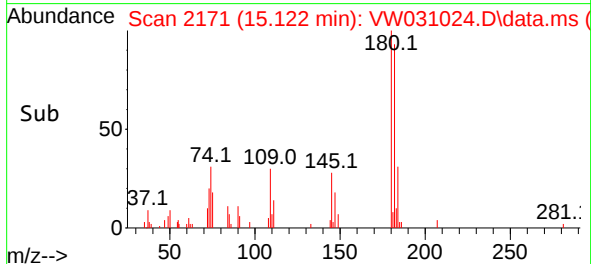
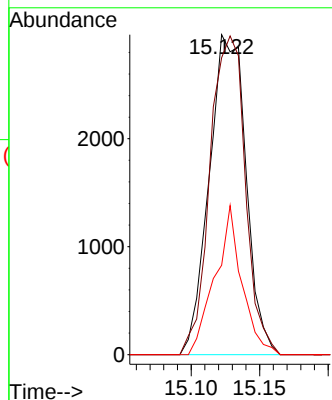
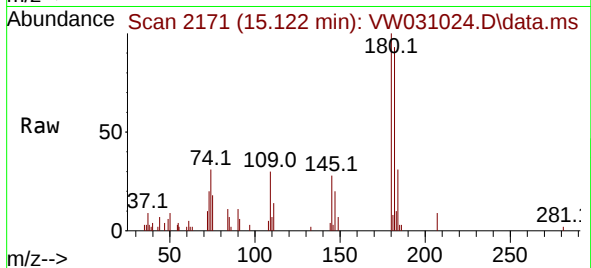
Tgt Ion:180 Resp: 5521

Ion Ratio Lower Upper

180 100

182 95.8 74.5 111.7

145 34.1 24.2 36.2



#71

Naphthalene

Concen: 1.159 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

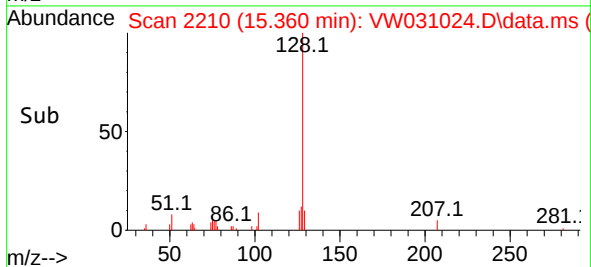
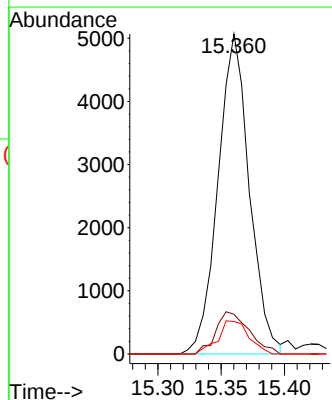
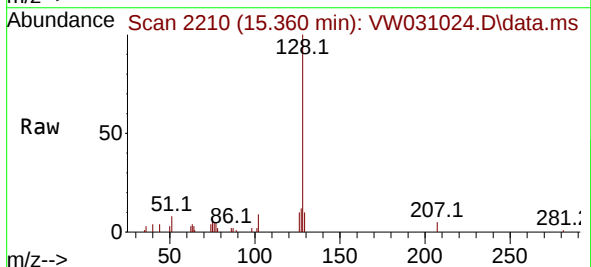
Tgt Ion:128 Resp: 8734

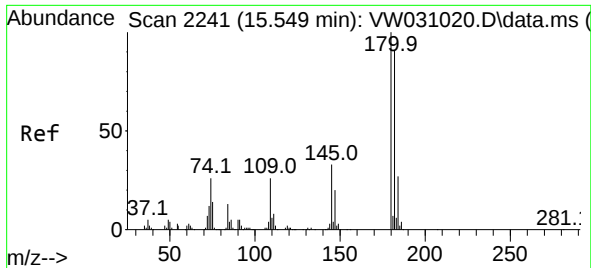
Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

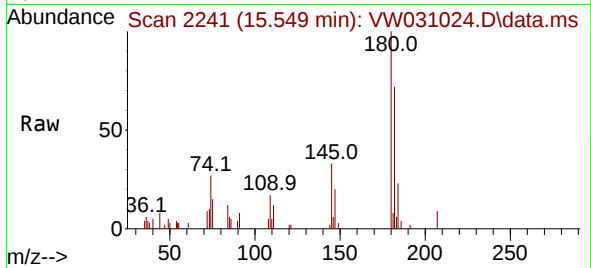
129 10.2 8.7 13.1





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.370 ug/L  
 RT: 15.549 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW031024.D  
 Acq: 15 Nov 2024 14:24

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 5489  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 86.0  | 79.2  | 118.8 |
| 145       | 32.2  | 27.0  | 40.6  |

