

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081623\  
 Data File : VW026751.D  
 Acq On : 16 Aug 2023 09:20  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 17 01:25:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 16 01:29:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 499620   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 505434   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 264400   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 147359   | 17.942   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.760%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 125117   | 20.486   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.960%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 85510    | 21.168   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 84.680%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 99526    | 42.161   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 84.320%  |
| 24) Chloroform-d              | 7.648  | 84    | 430360   | 25.665   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 102.640% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 231217   | 24.986   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.960%  |
| 32) Benzene-d6                | 8.270  | 84    | 828550   | 23.786   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 95.160%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 260750   | 24.031   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 96.120%  |
| 41) Toluene-d8                | 10.325 | 98    | 737566   | 24.666   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 98.680%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 99274    | 22.159   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 88.640%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 54081    | 47.434   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 213093   | 24.868   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 99.480%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 240012   | 25.362   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.440% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 154404   | 22.730   | ug/L   | 94       |
| 3) Chloromethane              | 2.222  | 50    | 174975   | 18.838   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 194814   | 21.939   | ug/L   | 100      |
| 6) Bromomethane               | 2.783  | 94    | 109497   | 21.165   | ug/L   | 94       |
| 8) Chloroethane               | 2.930  | 64    | 112936   | 21.226   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 166216   | 22.809   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 192434   | 24.447   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 171831   | 23.268   | ug/L   | 93       |
| 13) Acetone                   | 4.125  | 43    | 105202   | 44.821   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.393  | 76    | 621602   | 23.397   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 92270    | 19.625   | ug/L   | 99       |
| 16) Methylene chloride        | 4.911  | 84    | 200171   | 20.712   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 188933   | 22.927   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 273897   | 21.967   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.210  | 63    | 402764   | 23.747   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 204259   | 23.060   | ug/L   | 98       |
| 22) 2-Butanone                | 7.167  | 43    | 135188   | 39.083   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.508  | 128   | 91070    | 23.802   | ug/L   | 98       |
| 25) Chloroform                | 7.679  | 83    | 391160   | 23.873   | ug/L   | 99       |

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 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 17 01:25:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 16 01:29:47 2023  
 Response via : Initial Calibration

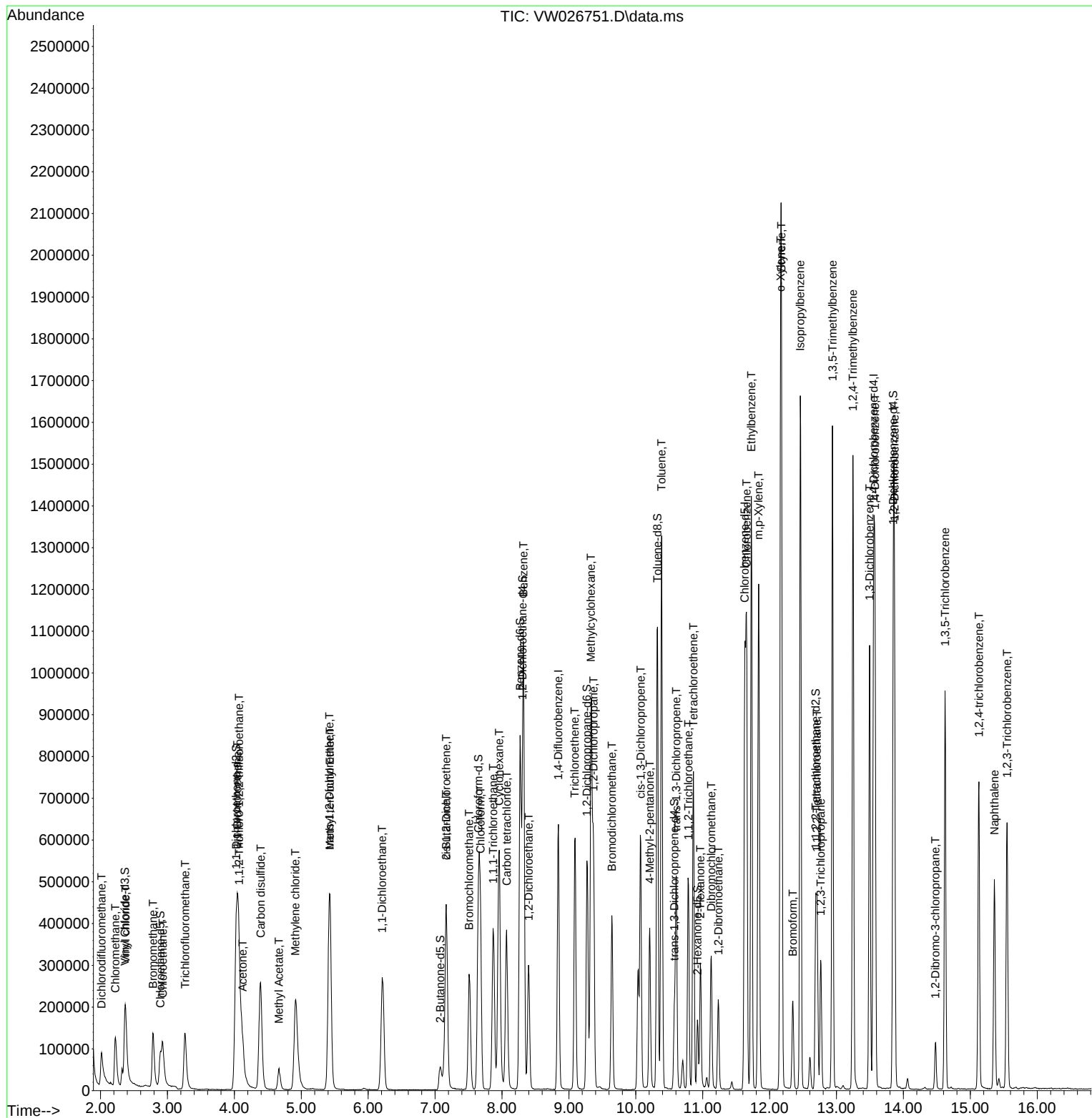
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 268176   | 23.461 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 335508   | 21.465 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 316534   | 23.996 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 286275   | 23.736 | ug/L  | 95       |
| 33) Benzene                   | 8.319  | 78   | 869907   | 23.634 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 216188   | 23.062 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 361593   | 22.547 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 222156   | 22.035 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 272364   | 23.029 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 347997   | 23.994 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 263424   | 40.169 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 926863   | 24.893 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 280642   | 22.481 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 154616   | 22.424 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 163090   | 23.947 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.965 | 43   | 193650   | 43.397 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 169705   | 23.533 | ug/L  | 89       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 142722   | 22.060 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 559847   | 23.804 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 943741   | 22.602 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 364053   | 23.535 | ug/L  | 96       |
| 54) o-Xylene                  | 12.166 | 106  | 347019   | 24.037 | ug/L  | 95       |
| 55) Styrene                   | 12.178 | 104  | 623829   | 24.852 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 187810   | 21.508 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 96475    | 23.293 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1027171  | 26.130 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 134161   | 20.918 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 779285   | 25.081 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 781247   | 25.659 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 407307   | 23.825 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 422635   | 23.689 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 380519   | 24.477 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 29931    | 19.358 | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 264602   | 22.909 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 221194   | 22.588 | ug/L  | 96       |
| 71) Naphthalene               | 15.360 | 128  | 409049   | 21.898 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 200044   | 22.648 | ug/L  | 99       |

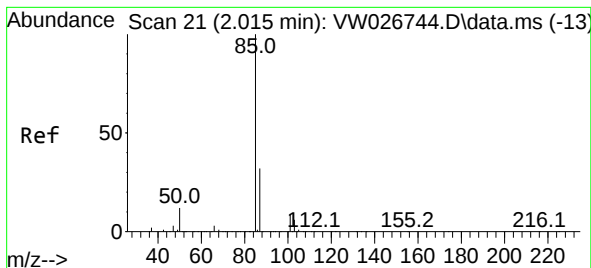
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081623\  
 Data File : VW026751.D  
 Acq On : 16 Aug 2023 09:20  
 Operator : SY/MD  
 Sample : VSTDC0025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 17 01:25:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 16 01:29:47 2023  
 Response via : Initial Calibration

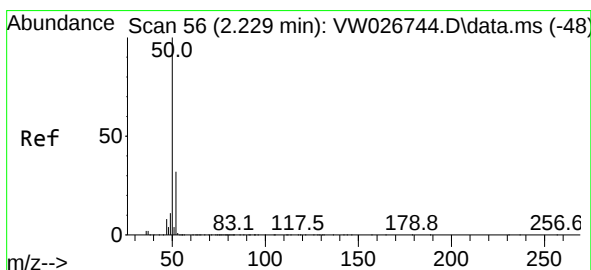
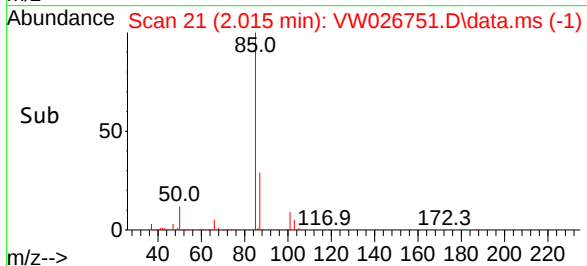
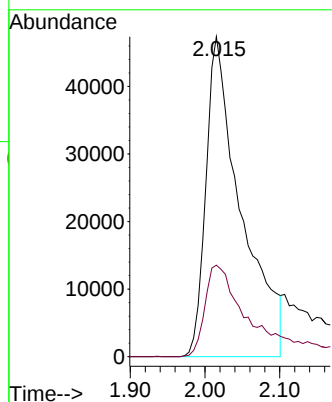
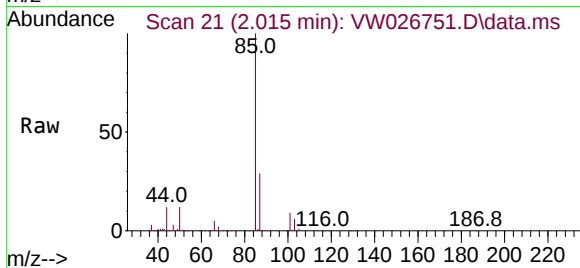




#2  
 Dichlorodifluoromethane  
 Concen: 22.730 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW026751.D  
 Acq: 16 Aug 2023 09:20

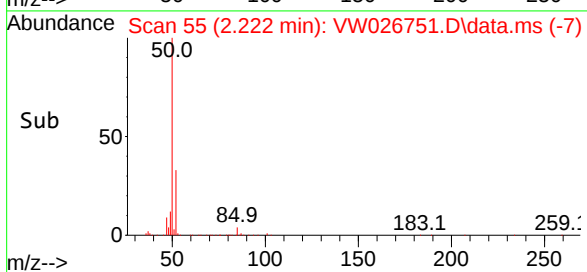
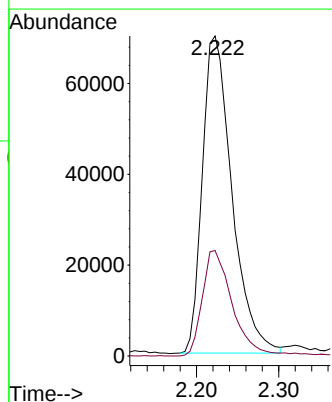
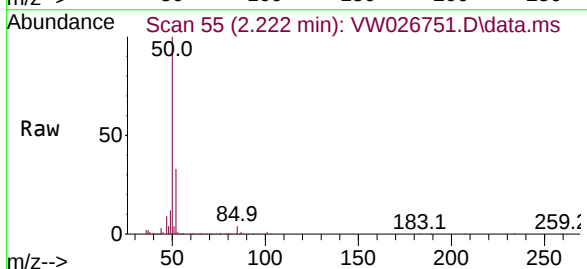
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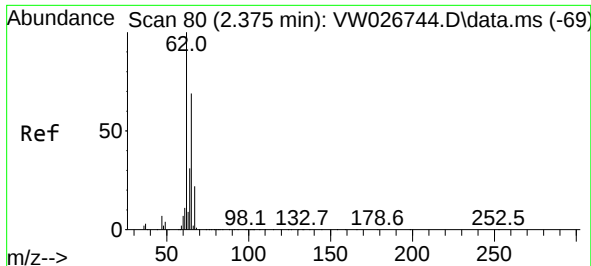
Tgt Ion: 85 Resp: 154404  
 Ion Ratio Lower Upper  
 85 100  
 87 27.6 19.5 29.3



#3  
 Chloromethane  
 Concen: 18.838 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.006 min  
 Lab File: VW026751.D  
 Acq: 16 Aug 2023 09:20

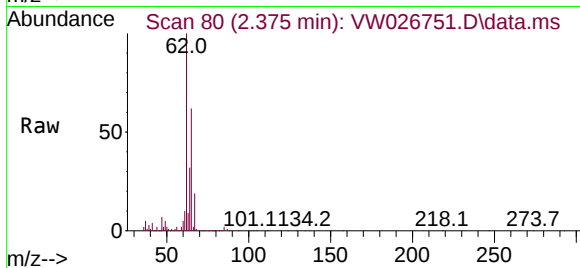
Tgt Ion: 50 Resp: 174975  
 Ion Ratio Lower Upper  
 50 100  
 52 32.9 23.0 42.8



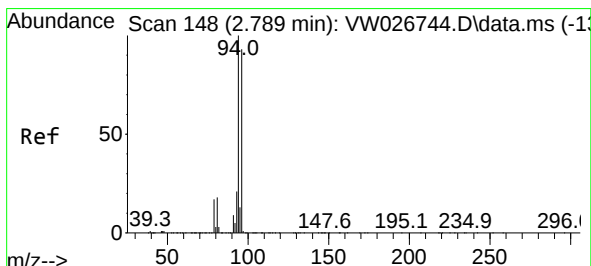
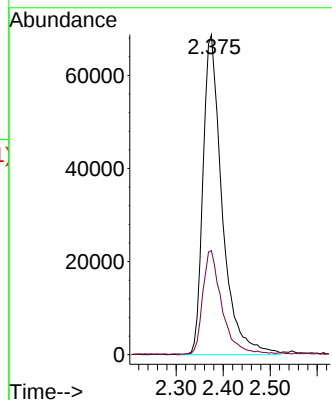
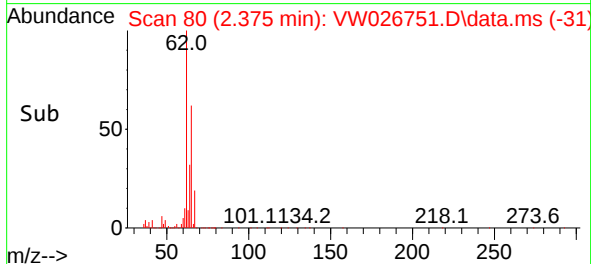


#5  
 Vinyl chloride  
 Concen: 21.939 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW026751.D  
 Acq: 16 Aug 2023 09:20

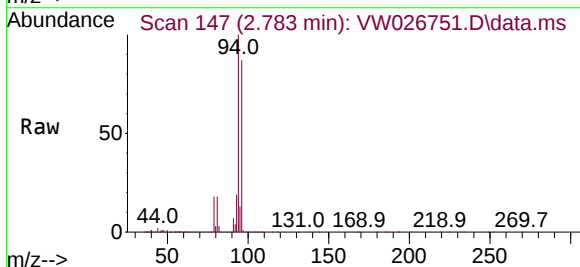
Instrument :  
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 ClientSampleId :



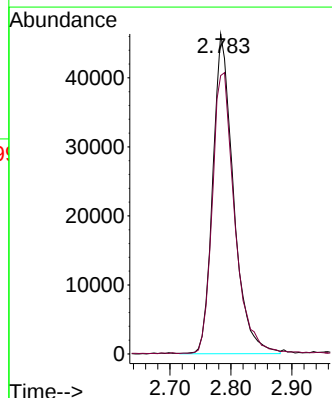
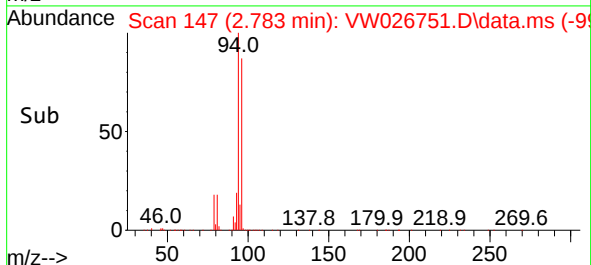
Tgt Ion: 62 Resp: 194814  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 22.7 42.3

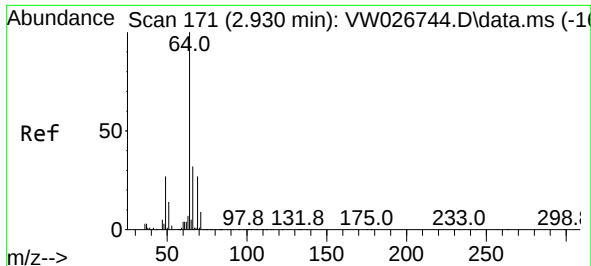


#6  
 Bromomethane  
 Concen: 21.165 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VW026751.D  
 Acq: 16 Aug 2023 09:20



Tgt Ion: 94 Resp: 109497  
 Ion Ratio Lower Upper  
 94 100  
 96 87.0 64.8 120.3

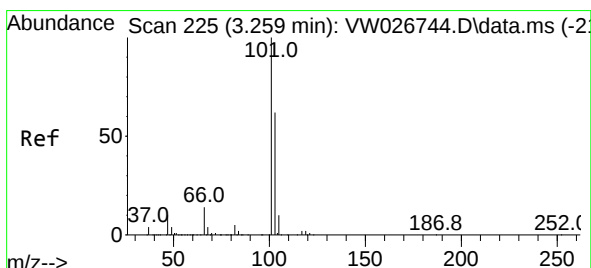
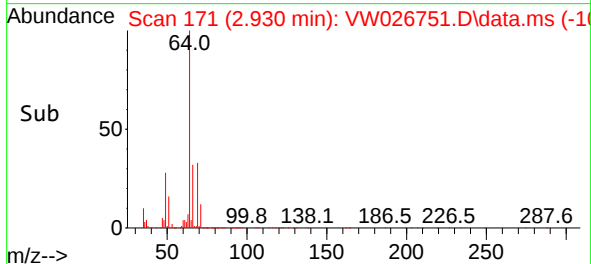
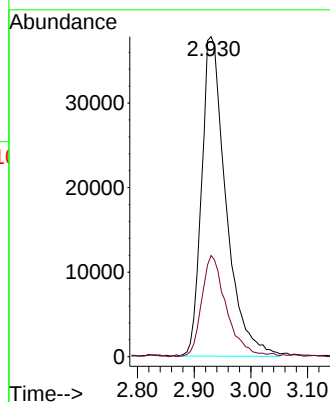
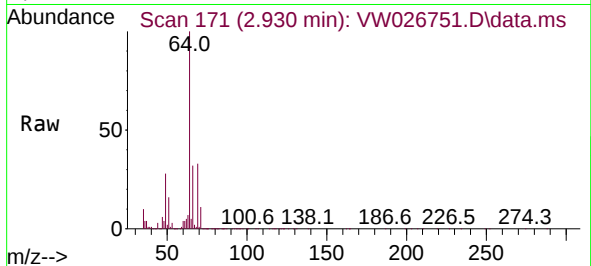




#8  
Chloroethane  
Concen: 21.226 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

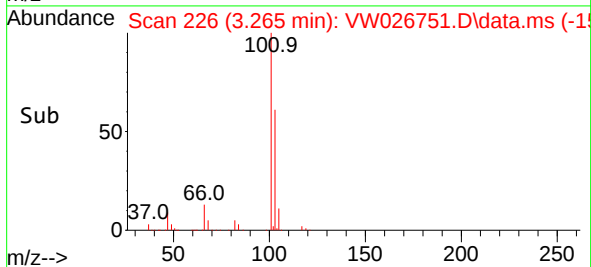
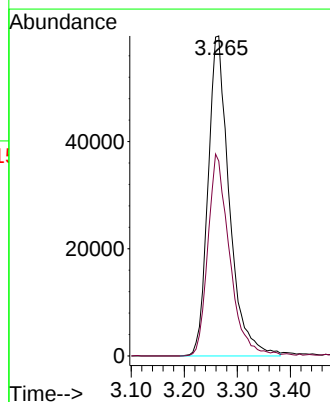
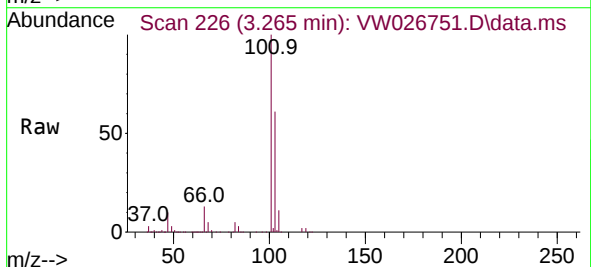
Instrument :  
MSVOA\_W  
ClientSampleId :

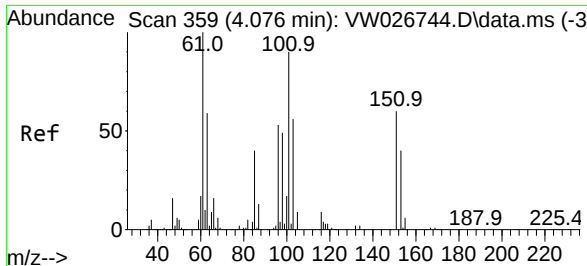
Tgt Ion: 64 Resp: 112936  
Ion Ratio Lower Upper  
64 100  
66 31.6 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 22.809 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.006 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion: 101 Resp: 166216  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.9 77.9

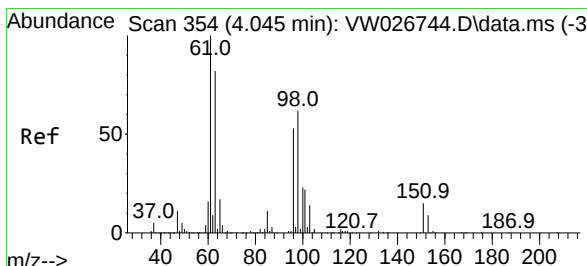
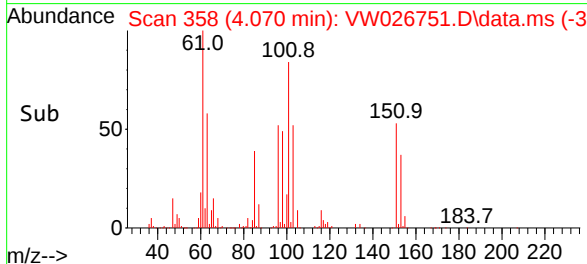
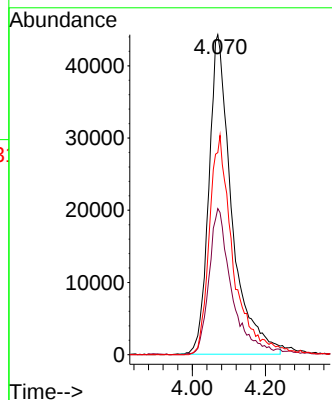
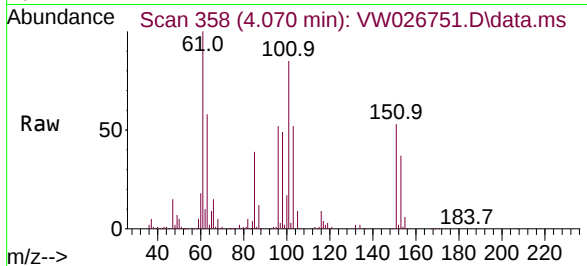




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.447 ug/L  
 RT: 4.070 min Scan# 359  
 Delta R.T. -0.006 min  
 Lab File: VW026751.D  
 Acq: 16 Aug 2023 09:20

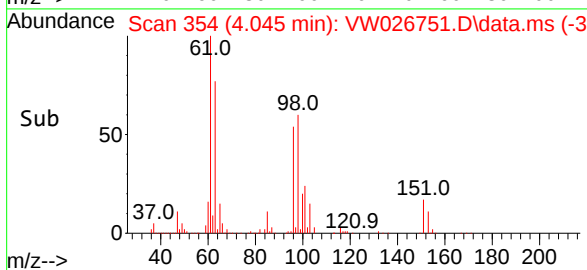
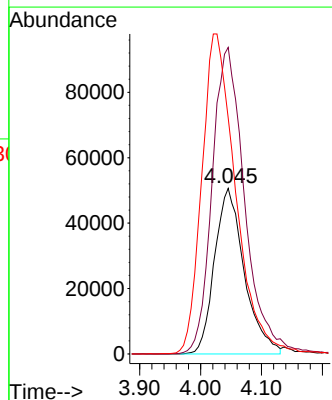
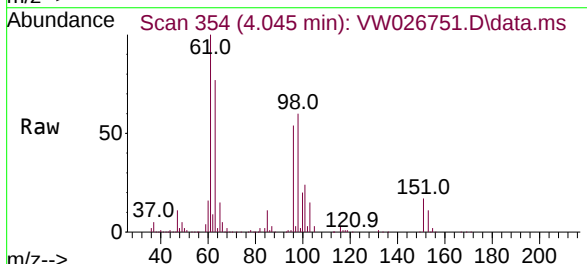
Instrument :  
 MSVOA\_W  
 ClientSampleId :

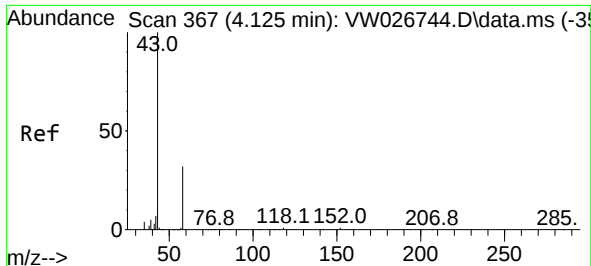
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 101 100  
 85 43.0 32.8 49.2  
 151 67.9 54.4 81.6



#12  
 1,1-Dichloroethene  
 Concen: 23.268 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW026751.D  
 Acq: 16 Aug 2023 09:20

Tgt Ion: 96 Resp: 171831  
 Ion Ratio Lower Upper  
 96 100  
 61 185.1 133.2 247.4  
 63 142.4 109.0 202.4

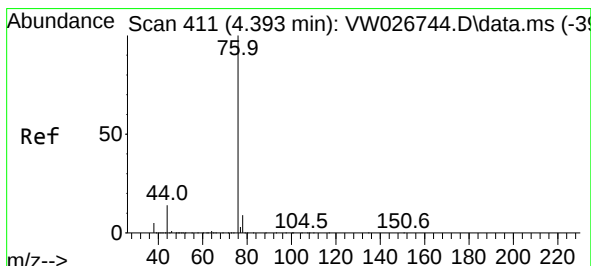
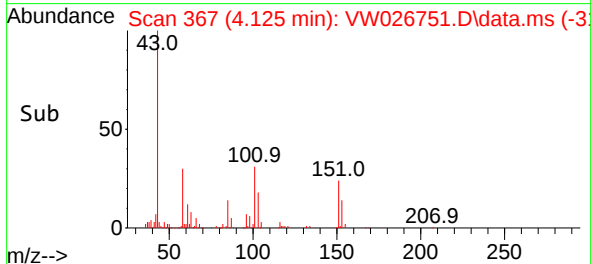
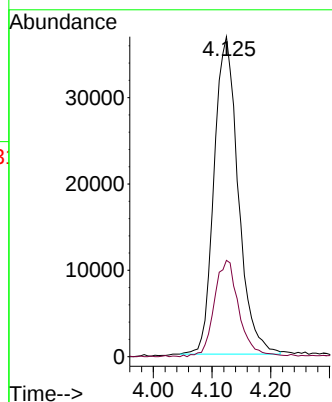
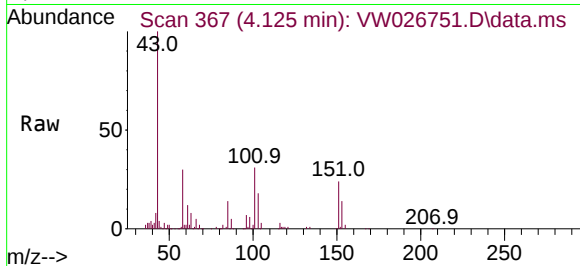




#13  
Acetone  
Concen: 44.821 ug/L  
RT: 4.125 min Scan# 367  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

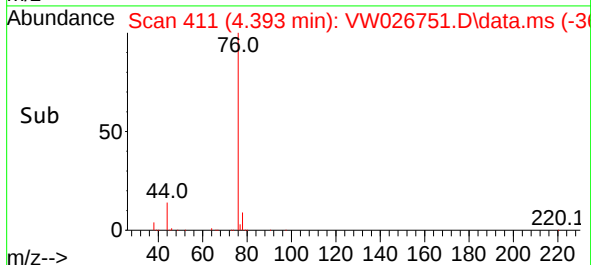
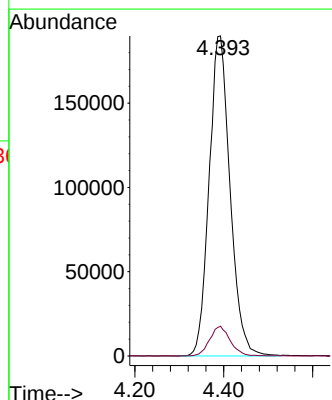
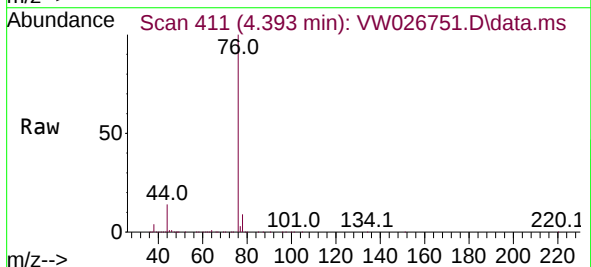
Instrument :  
MSVOA\_W  
ClientSampleId :

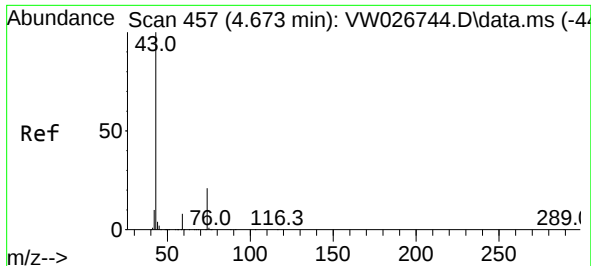
Tgt Ion: 43 Resp: 105202  
Ion Ratio Lower Upper  
43 100  
58 31.0 0.0 57.4



#14  
Carbon disulfide  
Concen: 23.397 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion: 76 Resp: 621602  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.1 10.7

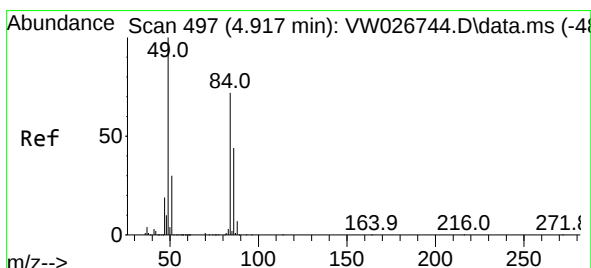
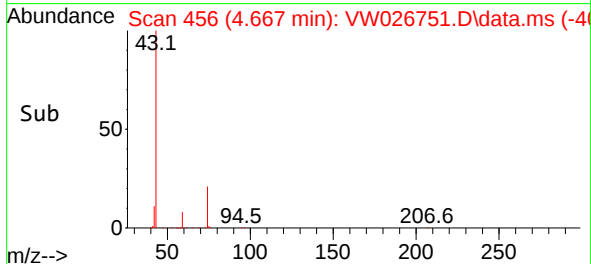
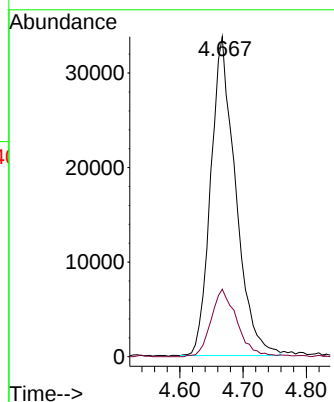
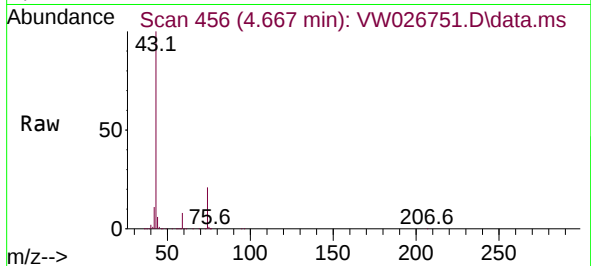




#15  
Methyl Acetate  
Concen: 19.625 ug/L  
RT: 4.667 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

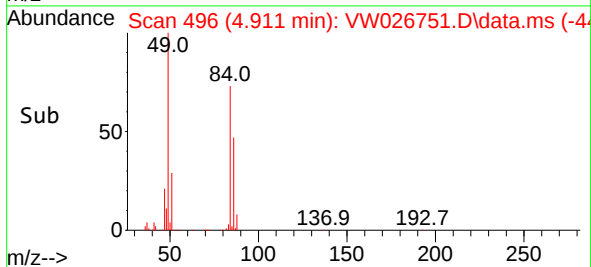
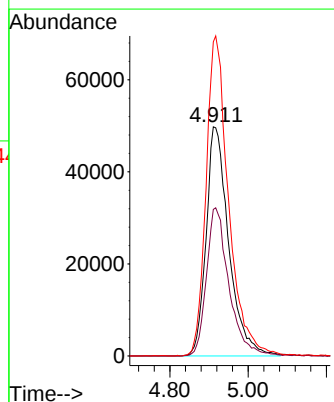
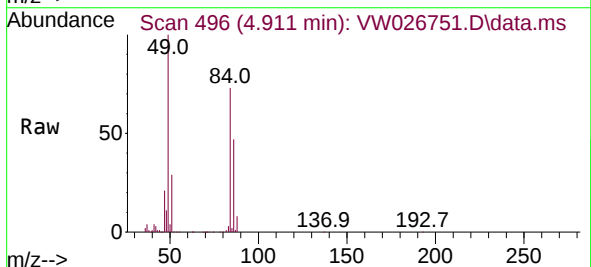
Instrument :  
MSVOA\_W  
ClientSampleId :

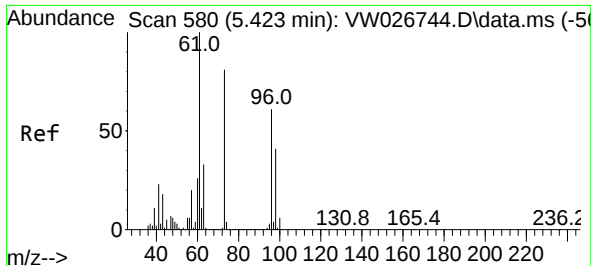
Tgt Ion: 43 Resp: 92270  
Ion Ratio Lower Upper  
43 100  
74 21.0 16.4 24.6



#16  
Methylene chloride  
Concen: 20.712 ug/L  
RT: 4.911 min Scan# 496  
Delta R.T. -0.006 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

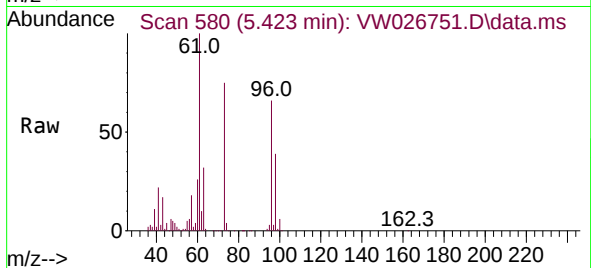
Tgt Ion: 84 Resp: 200171  
Ion Ratio Lower Upper  
84 100  
86 64.0 43.5 80.9  
49 137.0 96.0 178.2





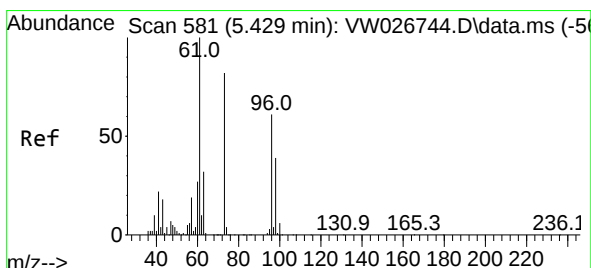
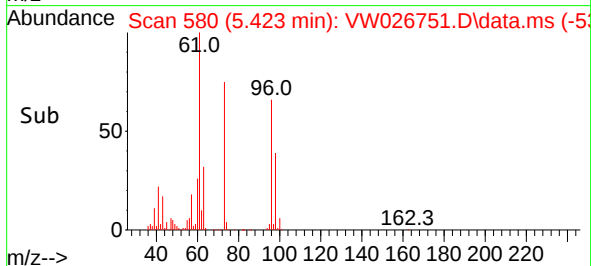
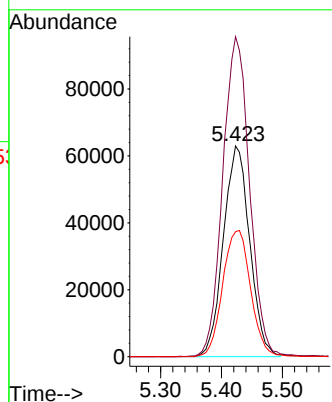
#17  
trans-1,2-Dichloroethene  
Concen: 22.927 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 188933

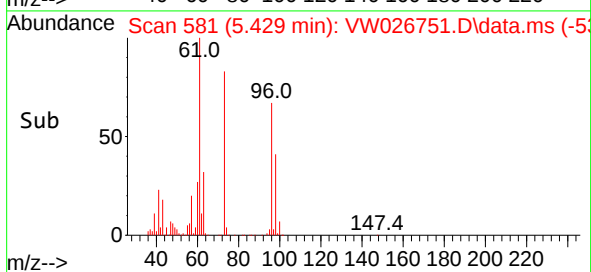
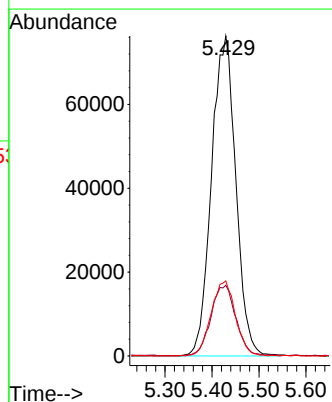
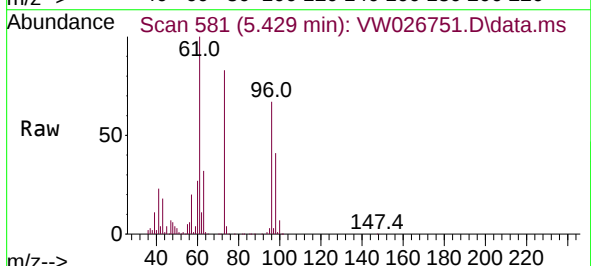
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 151.9 | 109.4 | 203.2 |
| 98  | 59.3  | 43.6  | 81.0  |

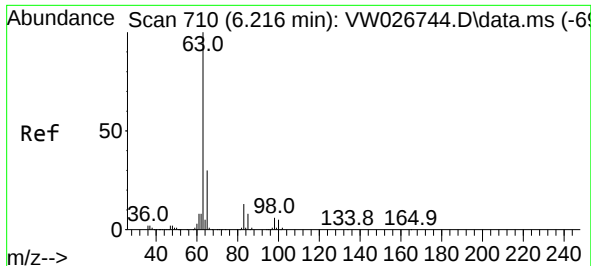


#18  
Methyl tert-butyl Ether  
Concen: 21.967 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion: 73 Resp: 273897

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 22.5  | 18.0  | 27.0  |
| 57  | 23.3  | 19.3  | 28.9  |





#19

1,1-Dichloroethane

Concen: 23.747 ug/L

RT: 6.210 min Scan# 710

Delta R.T. -0.006 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

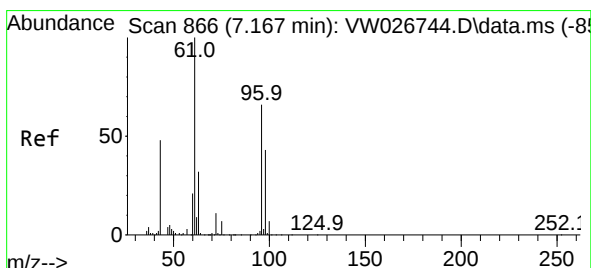
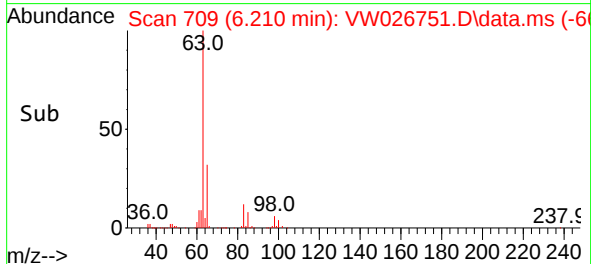
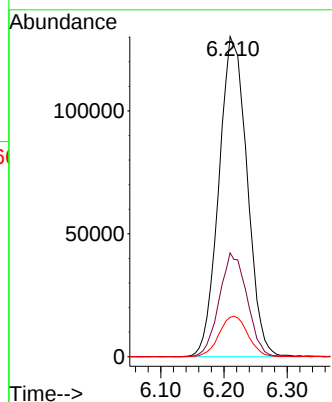
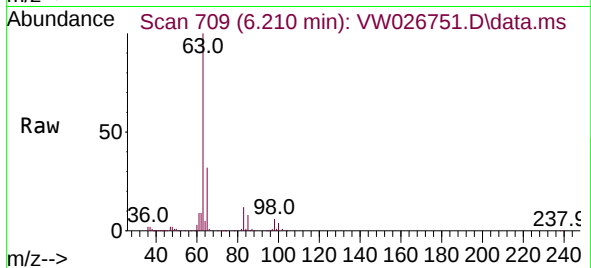
Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 63 Resp: 402764

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.4  | 21.8  | 40.6  |
| 83  | 12.3  | 9.0   | 16.6  |



#20

cis-1,2-Dichloroethene

Concen: 23.060 ug/L

RT: 7.167 min Scan# 866

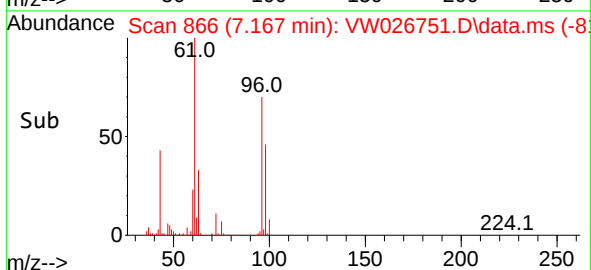
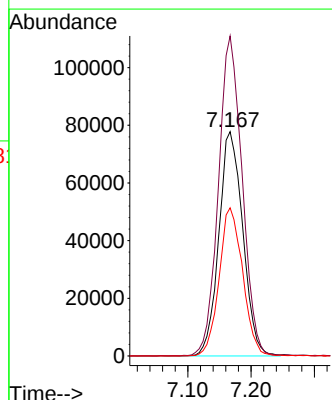
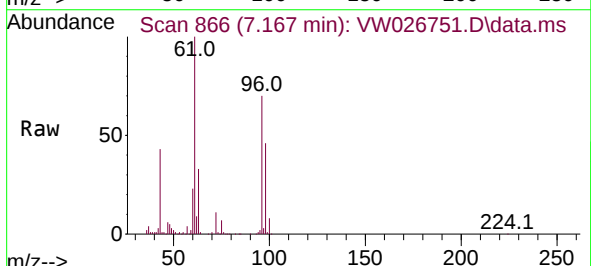
Delta R.T. 0.000 min

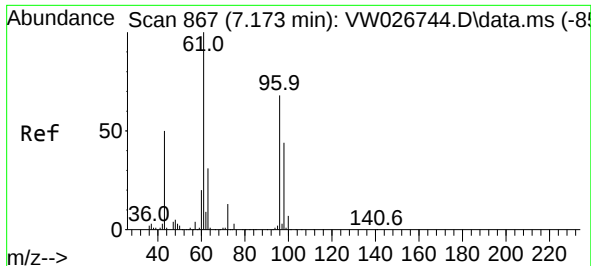
Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Tgt Ion: 96 Resp: 204259

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 142.7 | 101.2 | 188.0 |
| 98  | 66.1  | 43.8  | 81.3  |

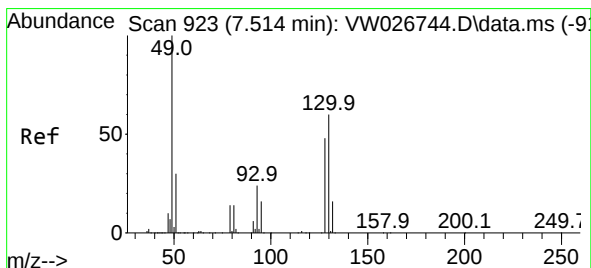
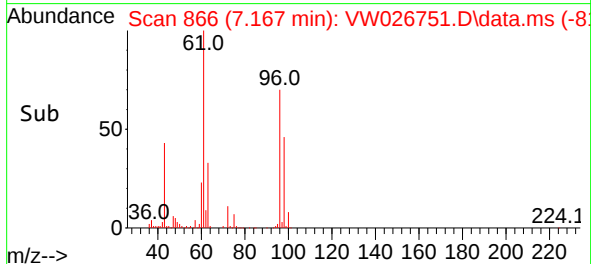
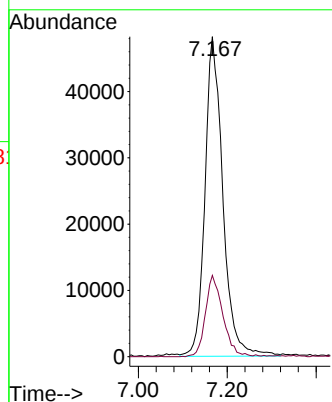
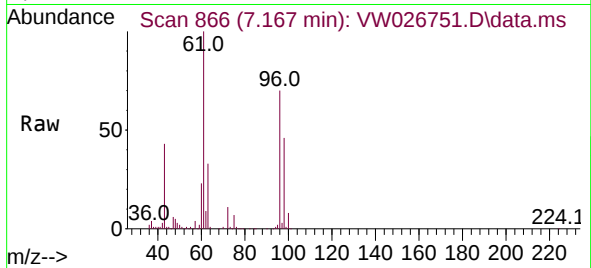




#22  
2-Butanone  
Concen: 39.083 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

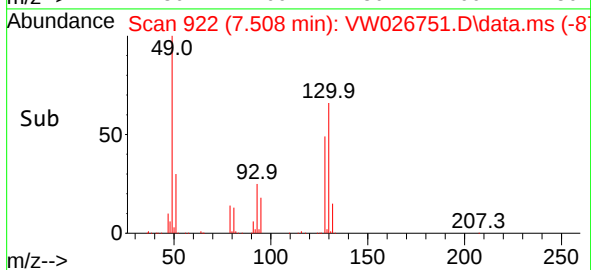
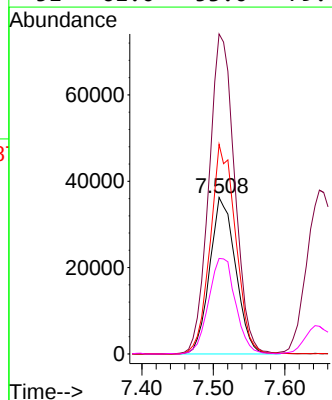
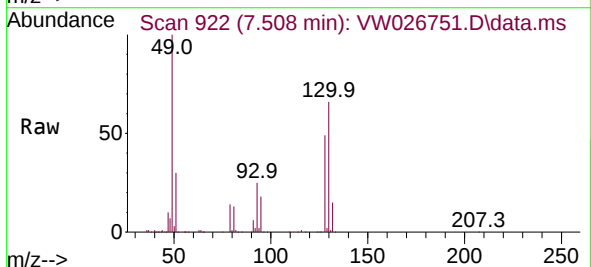
Instrument :  
MSVOA\_W  
ClientSampleId :

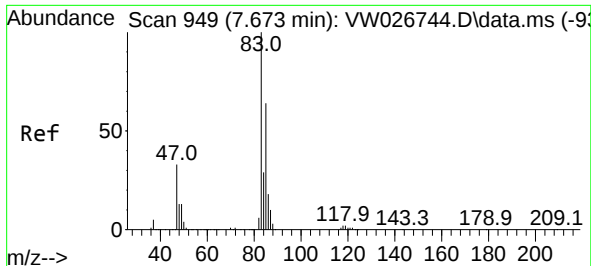
Tgt Ion: 43 Resp: 135188  
Ion Ratio Lower Upper  
43 100  
72 24.7 11.8 35.4



#23  
Bromochloromethane  
Concen: 23.802 ug/L  
RT: 7.508 min Scan# 922  
Delta R.T. -0.006 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion:128 Resp: 91070  
Ion Ratio Lower Upper  
128 100  
49 204.5 143.1 265.7  
130 133.9 91.8 170.4  
51 61.0 53.0 79.4

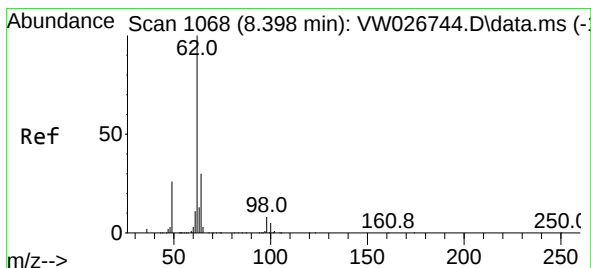
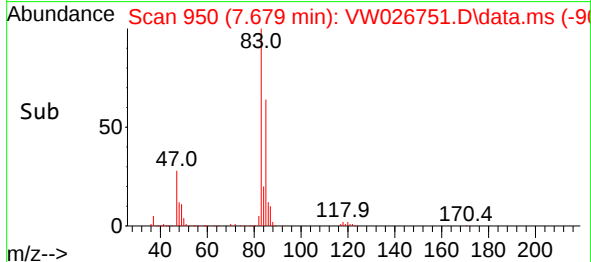
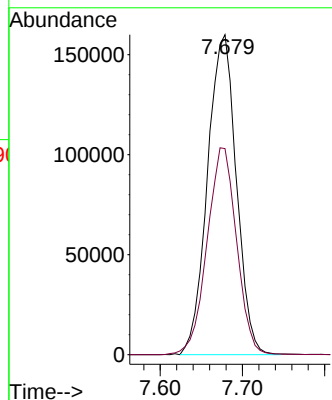
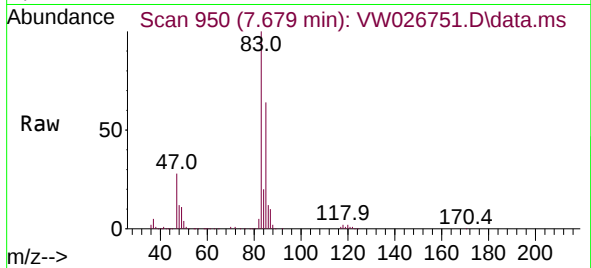




#25  
Chloroform  
Concen: 23.873 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

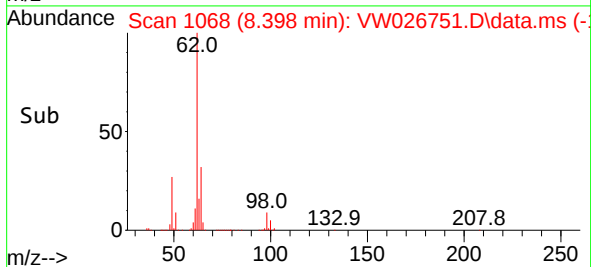
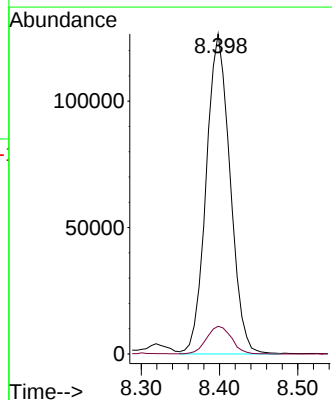
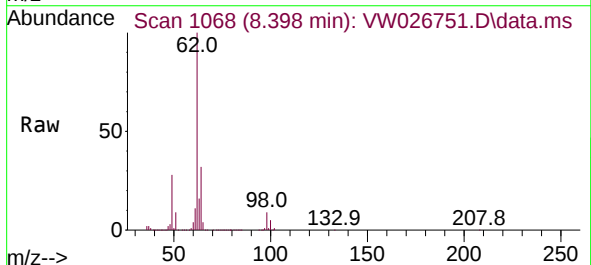
Instrument :  
MSVOA\_W  
ClientSampleId :

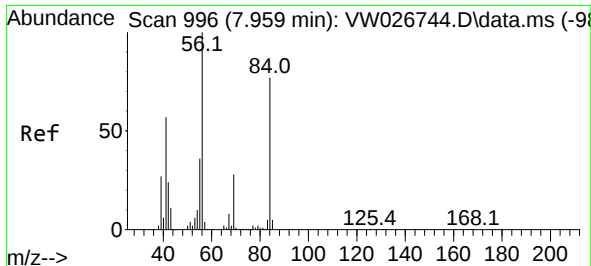
Tgt Ion: 83 Resp: 391160  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.4 84.2



#27  
1,2-Dichloroethane  
Concen: 23.461 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion: 62 Resp: 268176  
Ion Ratio Lower Upper  
62 100  
98 8.7 7.1 10.7





#29

Cyclohexane

Concen: 21.465 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :

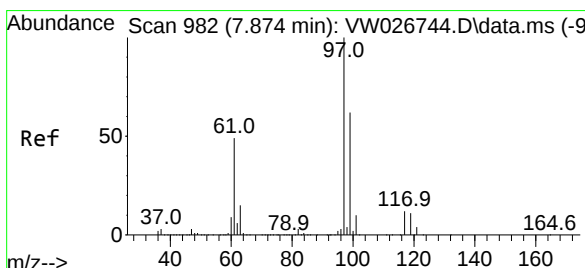
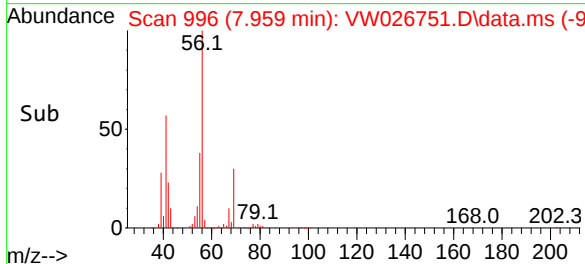
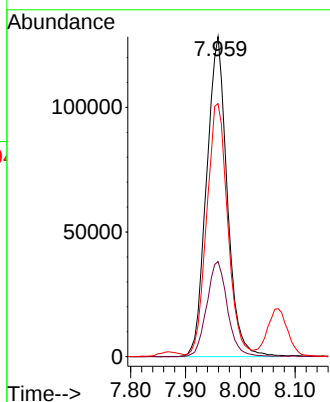
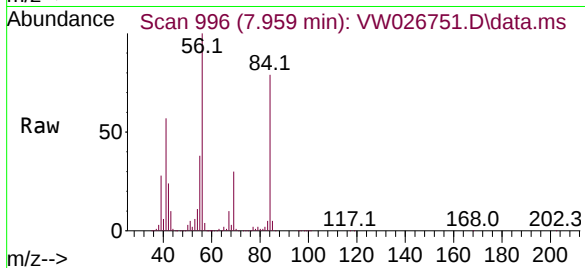
Tgt Ion: 56 Resp: 335508

Ion Ratio Lower Upper

56 100

69 29.9 23.2 34.8

84 80.4 62.7 94.1



#30

1,1,1-Trichloroethane

Concen: 23.996 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

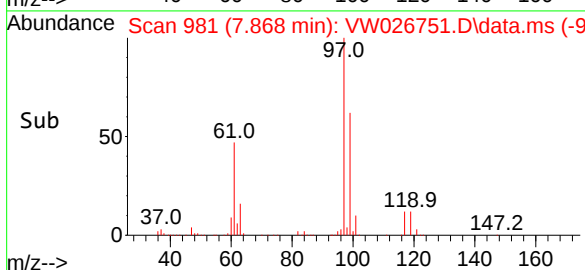
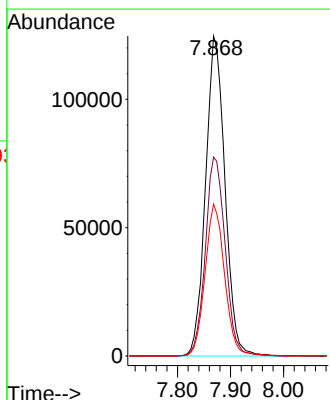
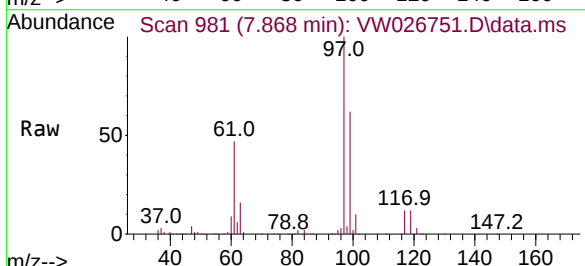
Tgt Ion: 97 Resp: 316534

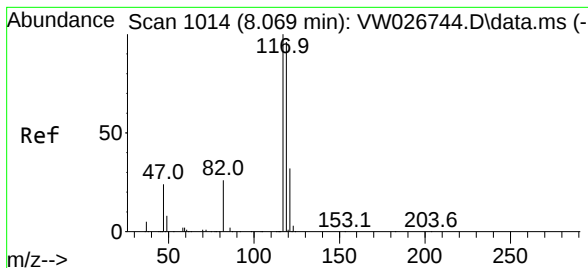
Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

61 47.4 39.2 58.8

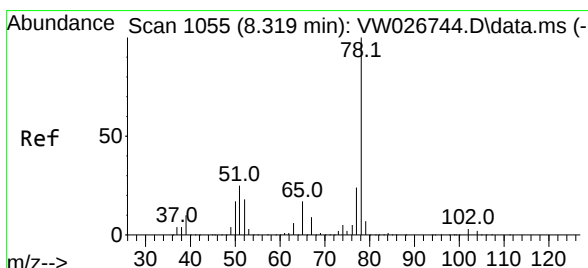
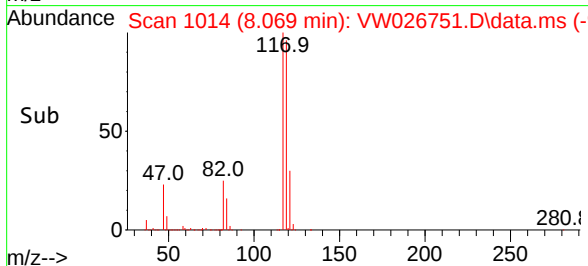
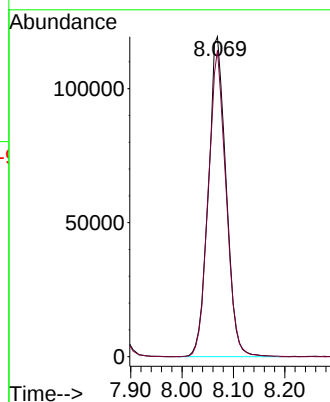
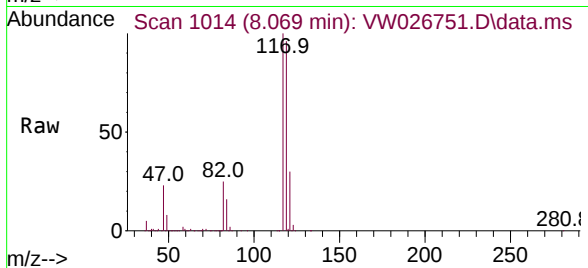




#31  
Carbon tetrachloride  
Concen: 23.736 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

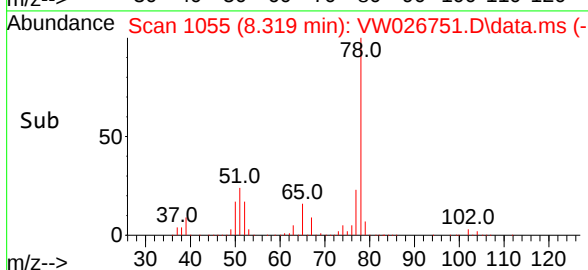
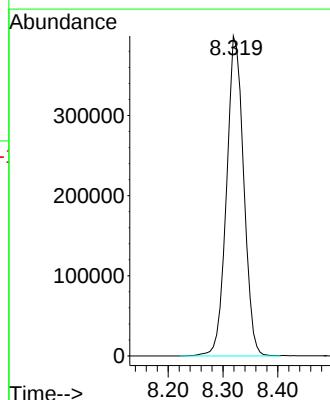
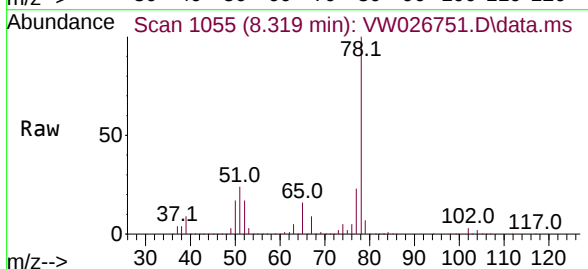
Instrument :  
MSVOA\_W  
ClientSampleId :

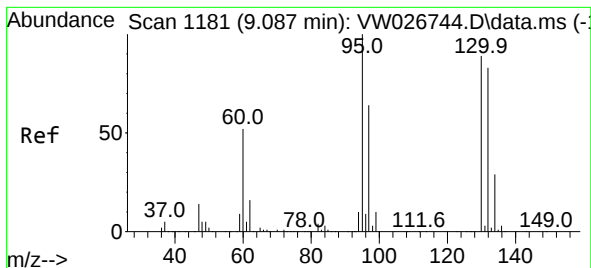
Tgt Ion:117 Resp: 286275  
Ion Ratio Lower Upper  
117 100  
119 95.7 73.0 109.4



#33  
Benzene  
Concen: 23.634 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion: 78 Resp: 869907





#34

Trichloroethene

Concen: 23.062 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 216188

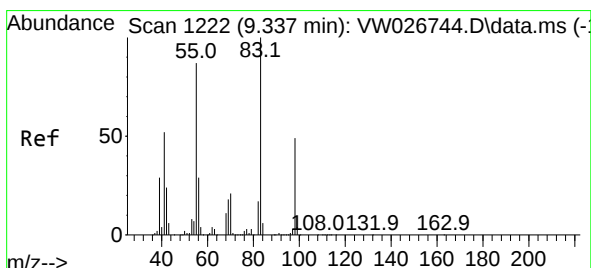
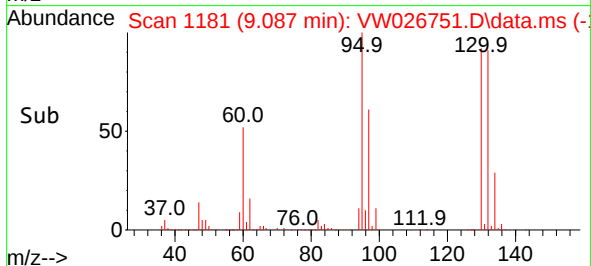
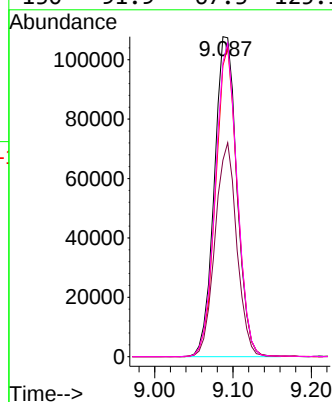
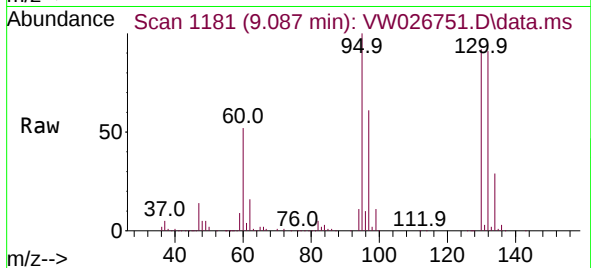
Ion Ratio Lower Upper

95 100

97 61.4 44.6 82.8

132 90.9 66.4 123.2

130 91.9 67.3 125.1



#35

Methylcyclohexane

Concen: 22.547 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

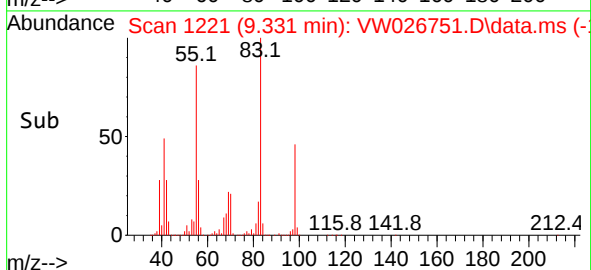
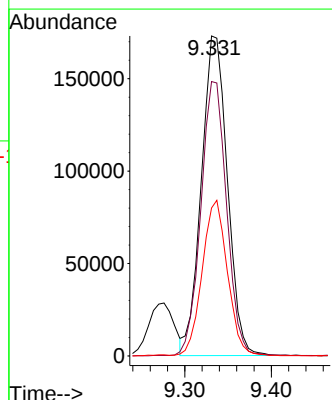
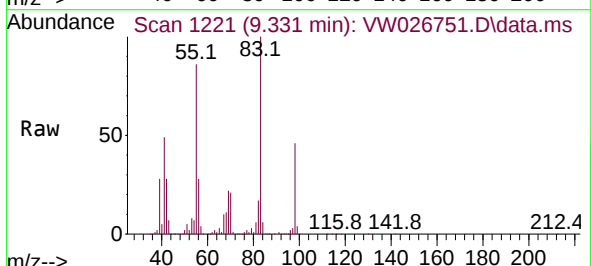
Tgt Ion: 83 Resp: 361593

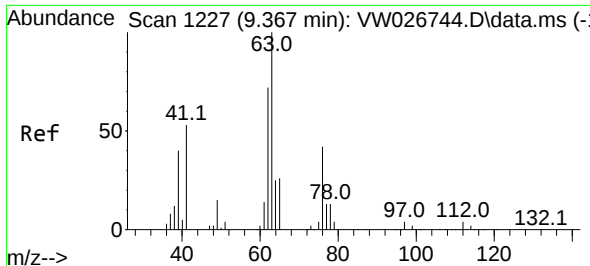
Ion Ratio Lower Upper

83 100

55 85.0 69.3 103.9

98 47.0 37.4 56.0





#37

1,2-Dichloropropane

Concen: 22.035 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

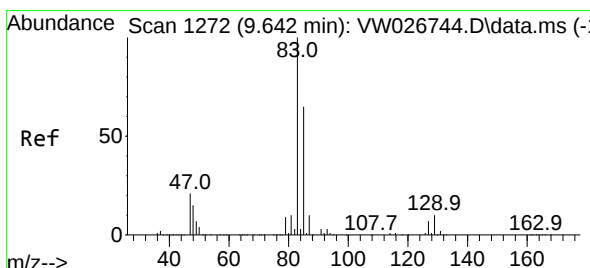
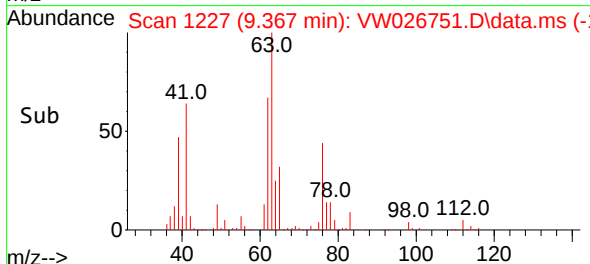
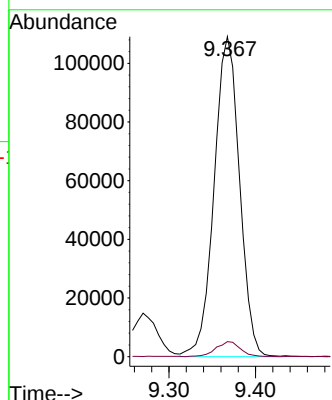
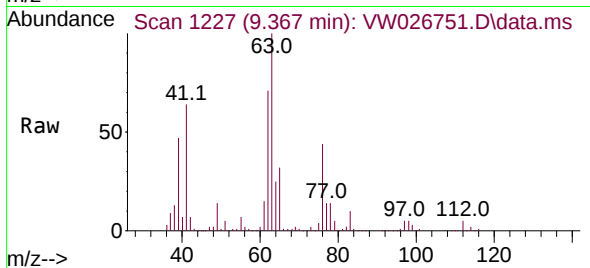
ClientSampleId :

Tgt Ion: 63 Resp: 222156

Ion Ratio Lower Upper

63 100

112 4.6 3.1 4.7



#38

Bromodichloromethane

Concen: 23.029 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

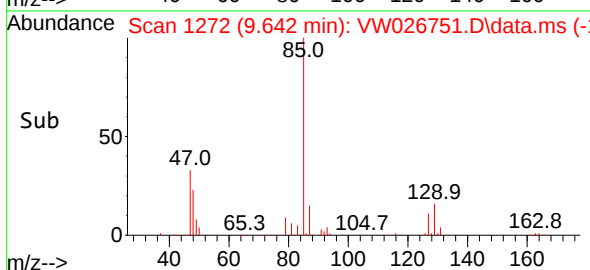
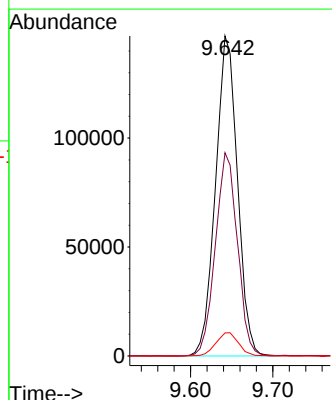
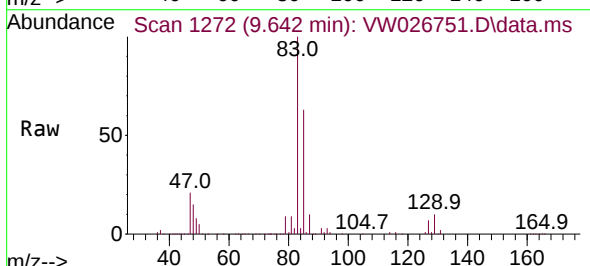
Tgt Ion: 83 Resp: 272364

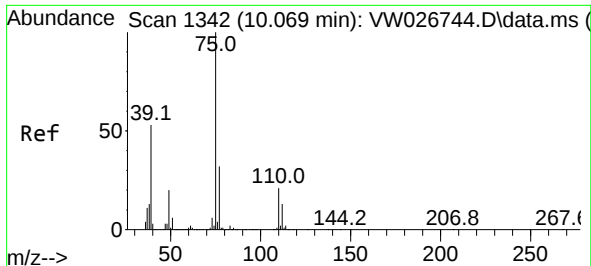
Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.2

127 7.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 23.994 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

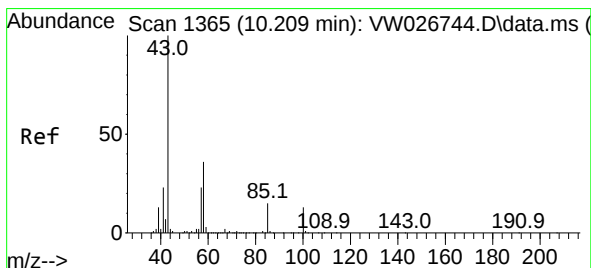
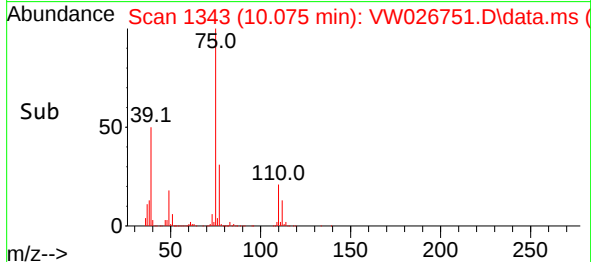
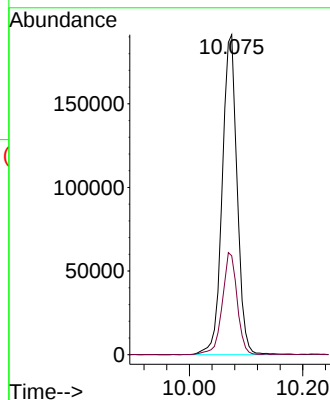
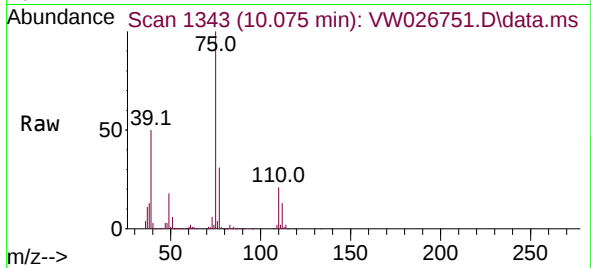
ClientSampleId :

Tgt Ion: 75 Resp: 347997

Ion Ratio Lower Upper

75 100

77 30.9 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 40.169 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

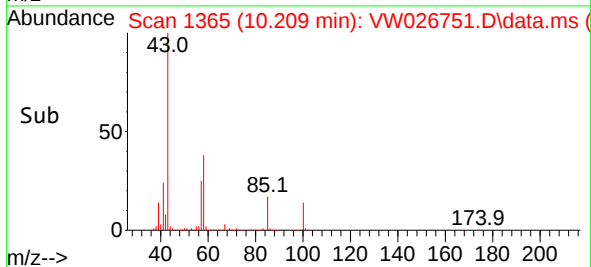
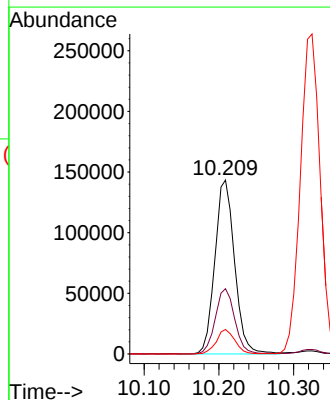
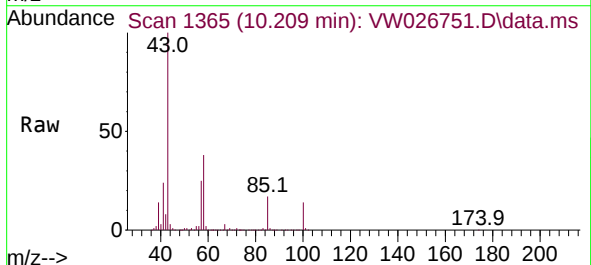
Tgt Ion: 43 Resp: 263424

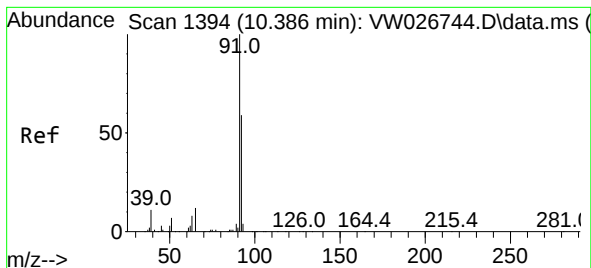
Ion Ratio Lower Upper

43 100

58 36.9 29.2 43.8

100 13.3 10.7 16.1





#42

Toluene

Concen: 24.893 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

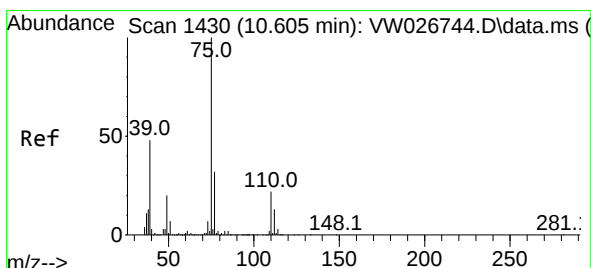
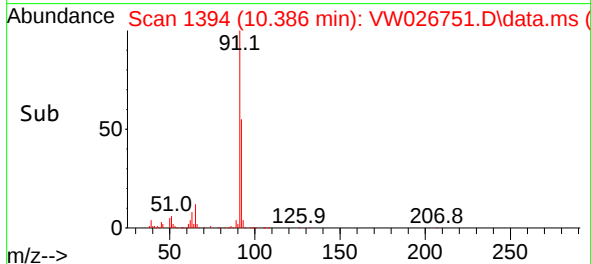
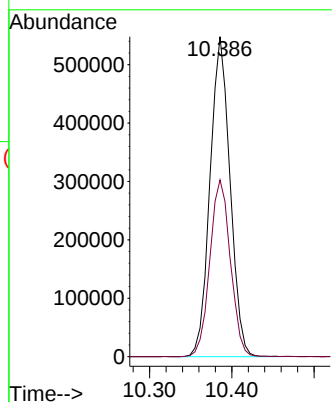
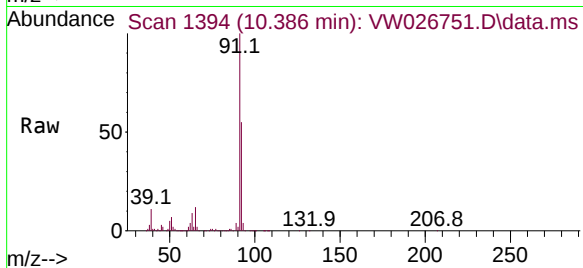
ClientSampleId :

Tgt Ion: 91 Resp: 926863

Ion Ratio Lower Upper

91 100

92 55.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 22.481 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW026751.D

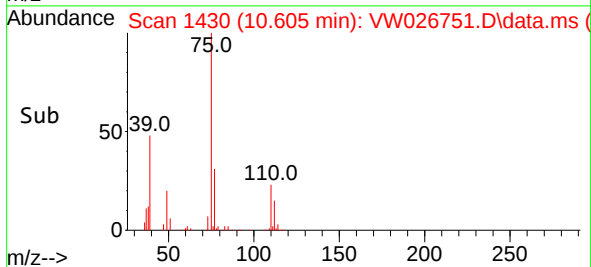
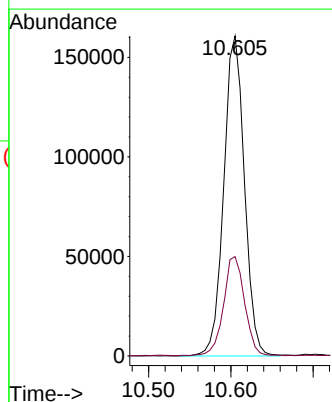
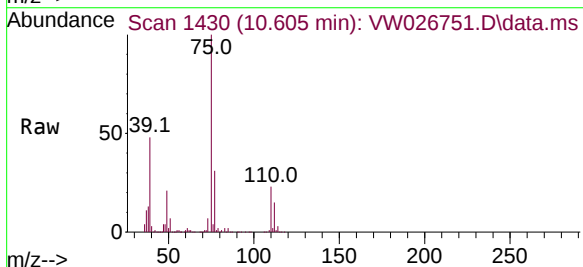
Acq: 16 Aug 2023 09:20

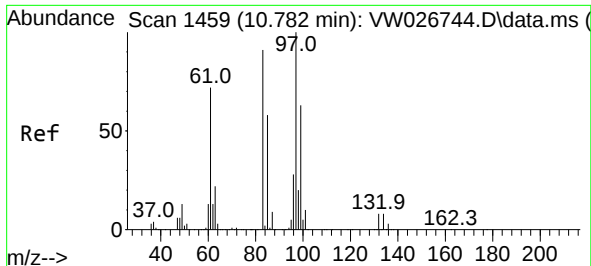
Tgt Ion: 75 Resp: 280642

Ion Ratio Lower Upper

75 100

77 31.1 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 22.424 ug/L

RT: 10.788 min Scan# 14

Delta R.T. 0.006 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 154616

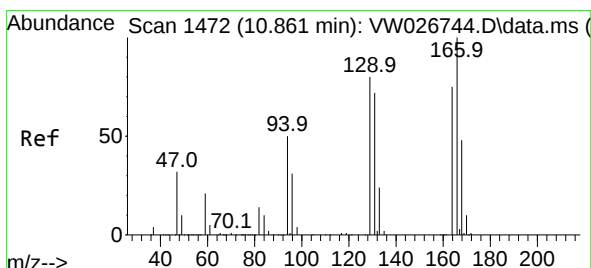
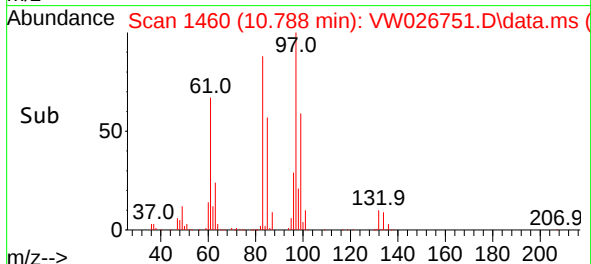
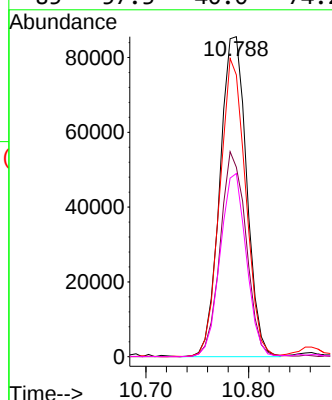
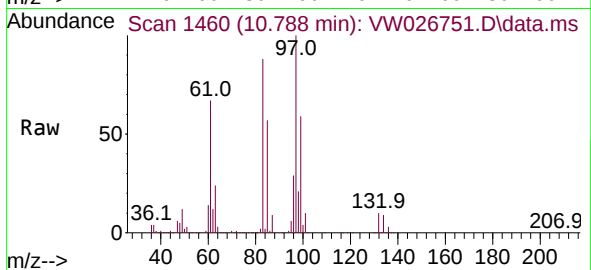
Ion Ratio Lower Upper

97 100

99 59.2 44.2 82.0

83 88.1 61.9 114.9

85 57.3 40.0 74.2



#46

Tetrachloroethene

Concen: 23.947 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Tgt Ion:164 Resp: 163090

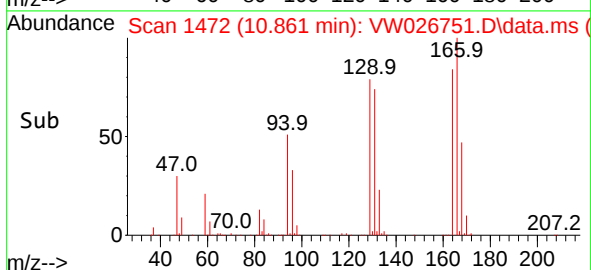
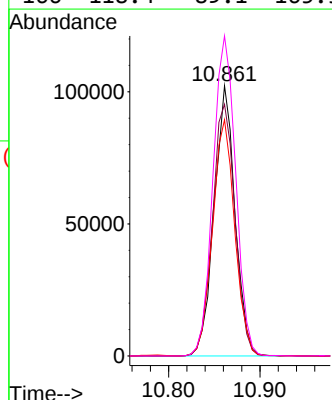
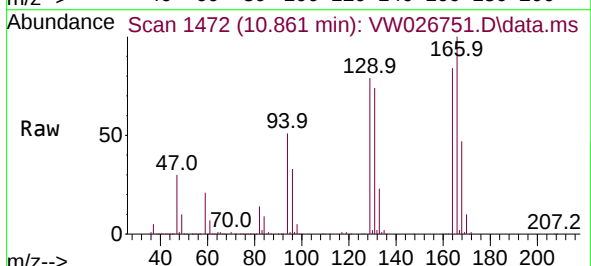
Ion Ratio Lower Upper

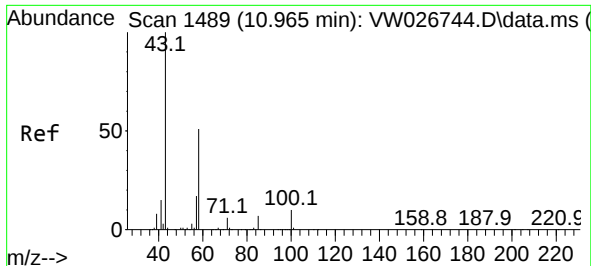
164 100

129 93.2 68.1 126.5

131 87.4 65.5 121.7

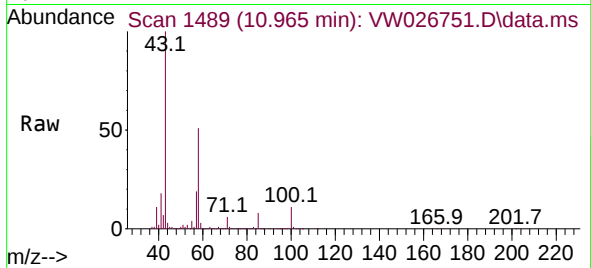
166 118.4 89.1 165.5



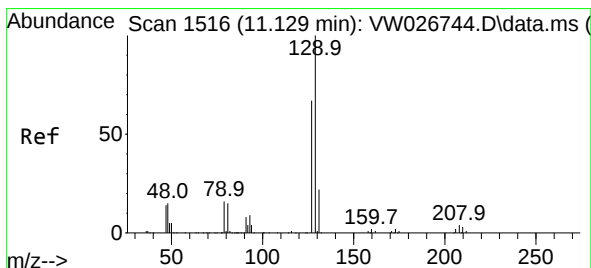
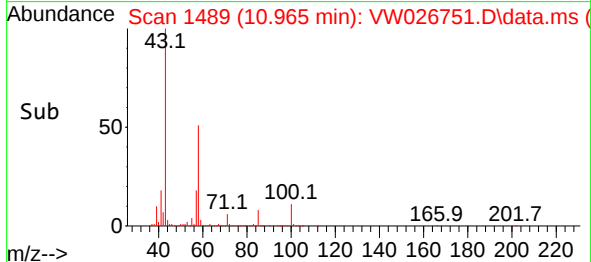
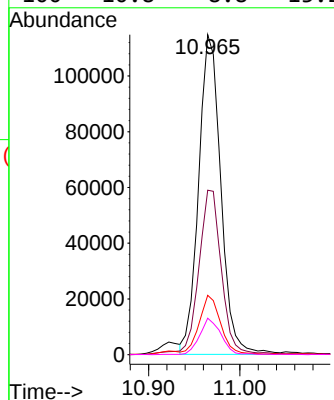


#48  
2-Hexanone  
Concen: 43.397 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Instrument :  
MSVOA\_W  
ClientSampleId :

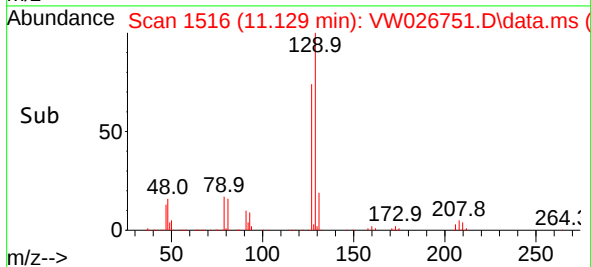
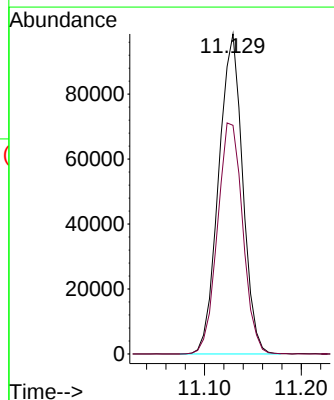
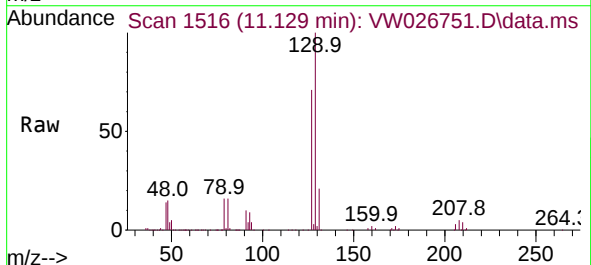


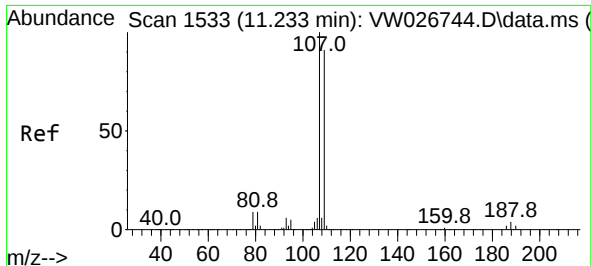
Tgt Ion: 43 Resp: 193650  
Ion Ratio Lower Upper  
43 100  
58 49.9 41.1 61.7  
57 17.7 14.3 21.5  
100 10.8 8.8 13.2



#49  
Dibromochloromethane  
Concen: 23.533 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion: 129 Resp: 169705  
Ion Ratio Lower Upper  
129 100  
127 71.5 56.6 105.2





#50

1,2-Dibromoethane

Concen: 22.060 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

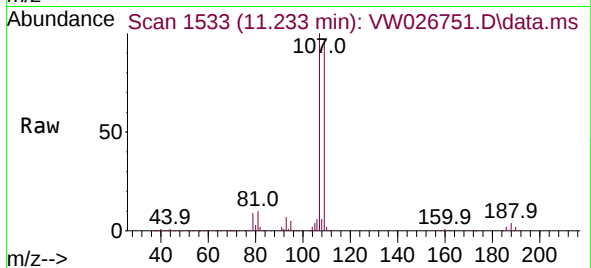
Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :



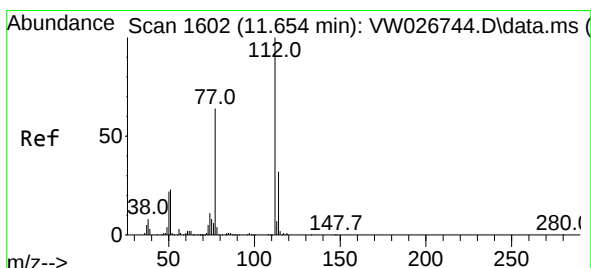
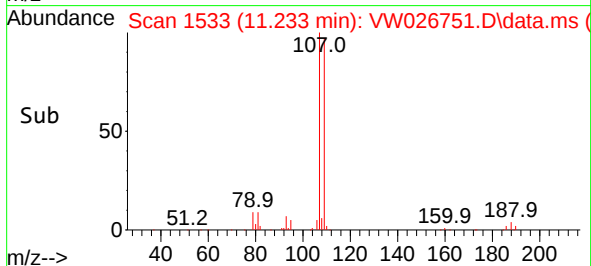
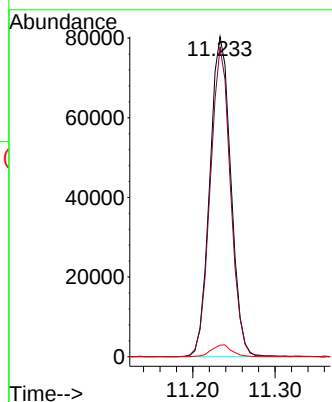
Tgt Ion:107 Resp: 142722

Ion Ratio Lower Upper

107 100

109 96.7 68.8 127.8

188 3.6 2.7 4.1



#51

Chlorobenzene

Concen: 23.804 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

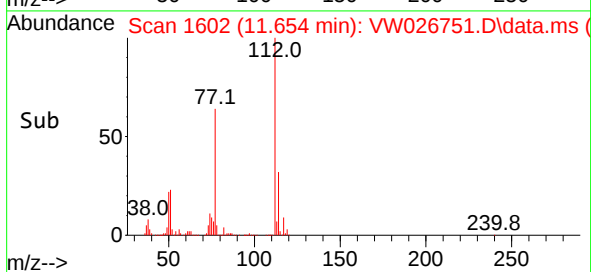
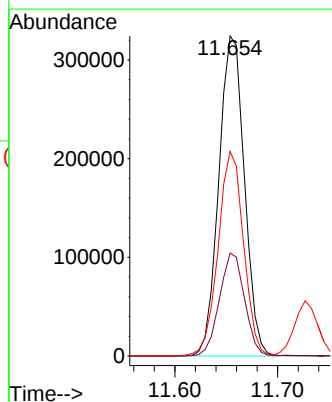
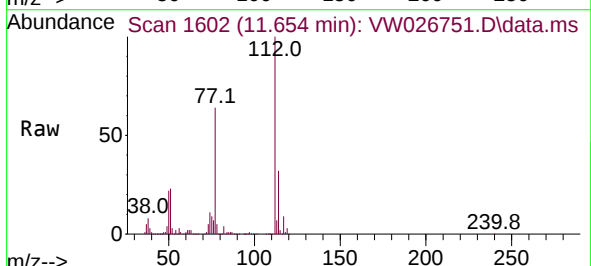
Tgt Ion:112 Resp: 559847

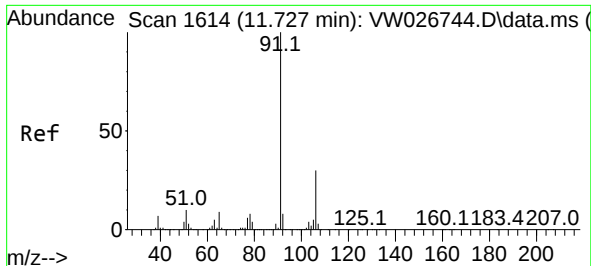
Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 63.9 50.2 75.2

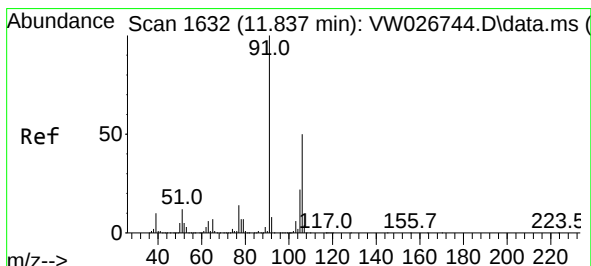
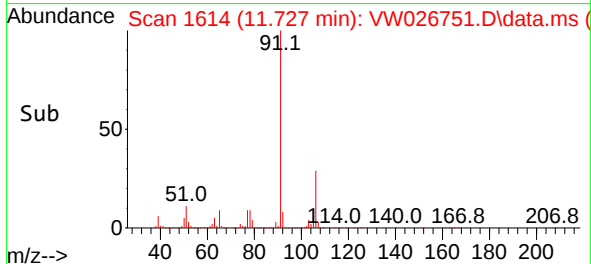
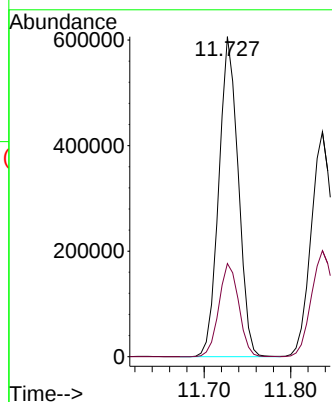
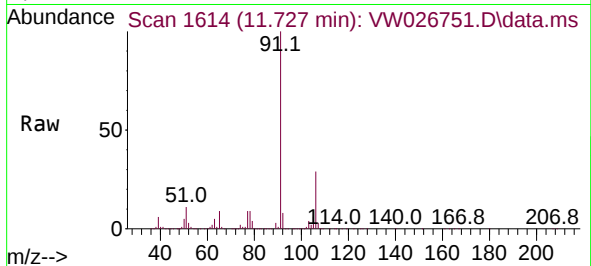




#52  
Ethylbenzene  
Concen: 22.602 ug/L  
RT: 11.727 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

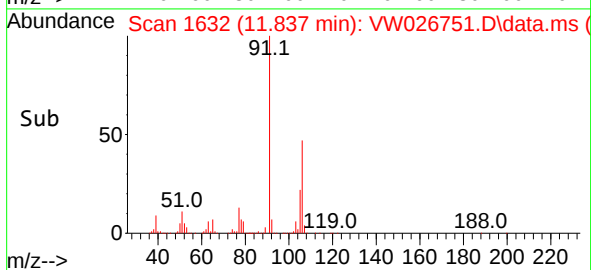
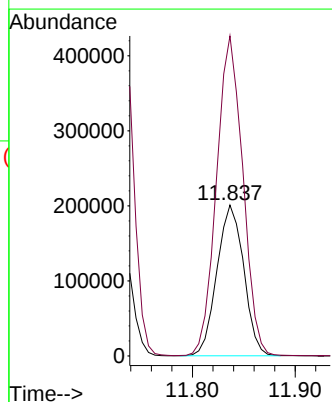
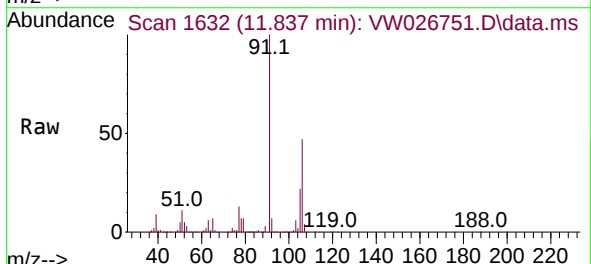
Instrument :  
MSVOA\_W  
ClientSampleId :

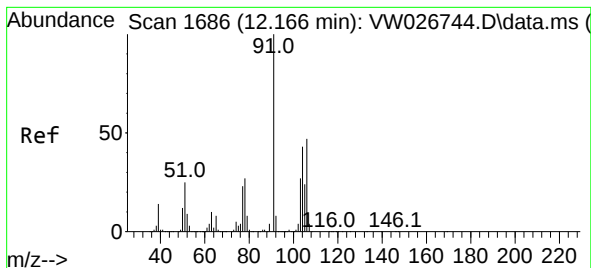
Tgt Ion: 91 Resp: 943741  
Ion Ratio Lower Upper  
91 100  
106 29.1 20.2 37.6



#53  
m,p-Xylene  
Concen: 23.535 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion:106 Resp: 364053  
Ion Ratio Lower Upper  
106 100  
91 212.2 152.9 284.1





#54

o-Xylene

Concen: 24.037 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

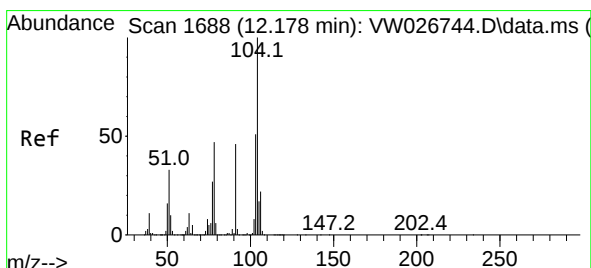
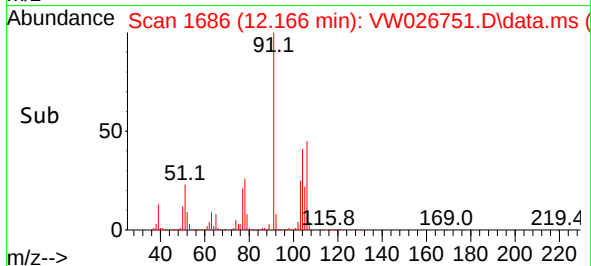
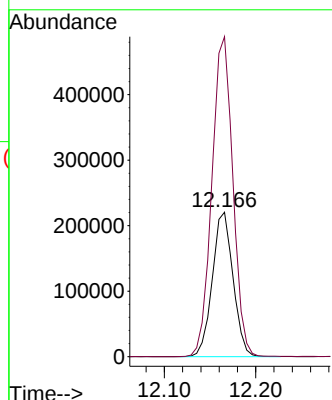
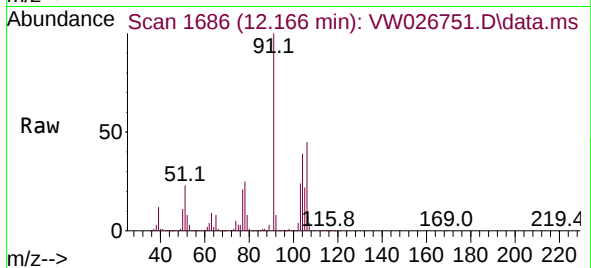
ClientSampleId :

Tgt Ion:106 Resp: 347019

Ion Ratio Lower Upper

106 100

91 221.6 149.9 278.3



#55

Styrene

Concen: 24.852 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW026751.D

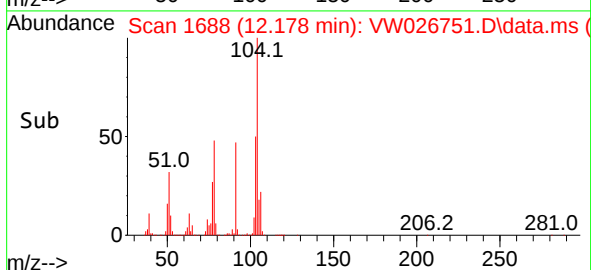
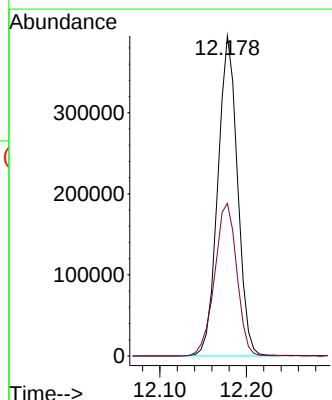
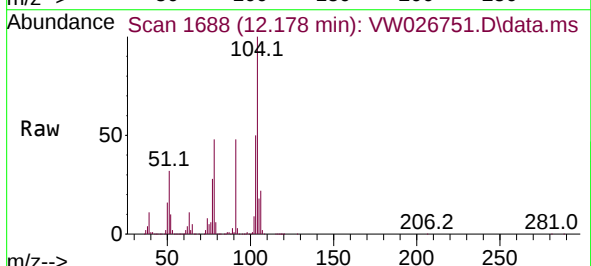
Acq: 16 Aug 2023 09:20

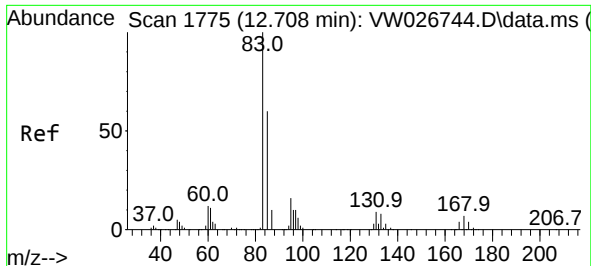
Tgt Ion:104 Resp: 623829

Ion Ratio Lower Upper

104 100

78 47.7 33.0 61.2

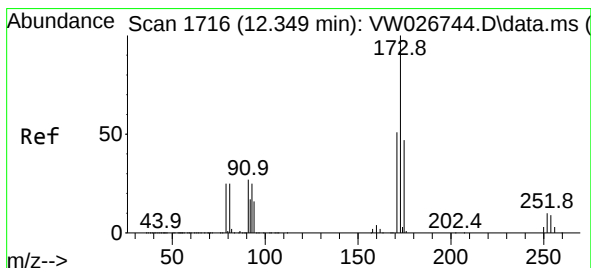
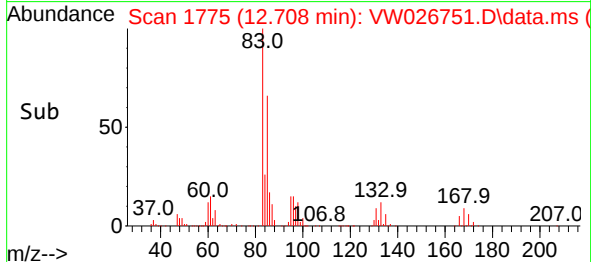
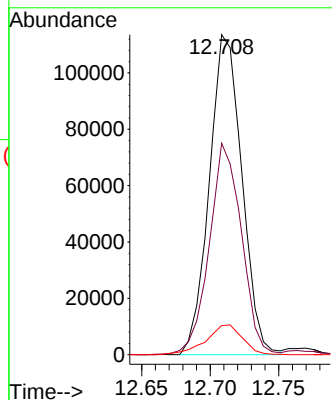
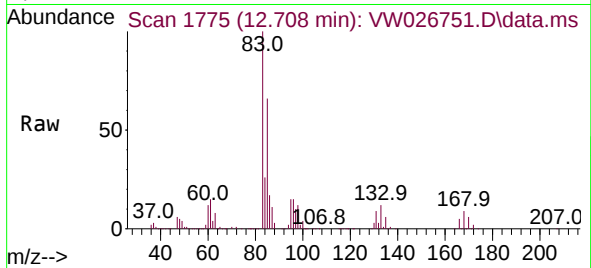




#57  
1,1,2,2-Tetrachloroethane  
Concen: 21.508 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

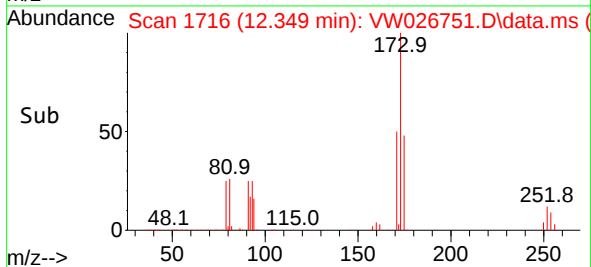
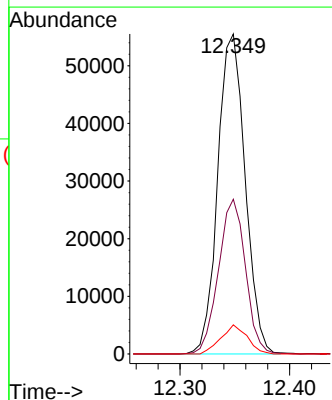
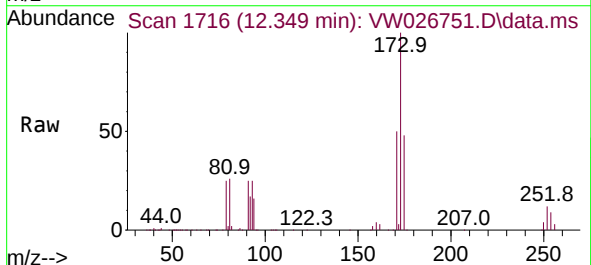
Instrument :  
MSVOA\_W  
ClientSampleId :

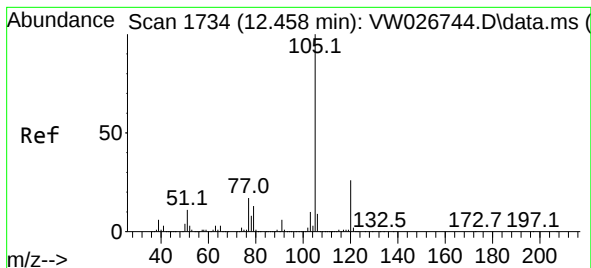
Tgt Ion: 83 Resp: 187810  
Ion Ratio Lower Upper  
83 100  
85 66.1 44.9 83.3  
131 9.1 7.4 11.0



#59  
Bromoform  
Concen: 23.293 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VW026751.D  
Acq: 16 Aug 2023 09:20

Tgt Ion: 173 Resp: 96475  
Ion Ratio Lower Upper  
173 100  
175 47.5 36.6 55.0  
254 8.7 7.8 11.6





#60

Isopropylbenzene

Concen: 26.130 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :

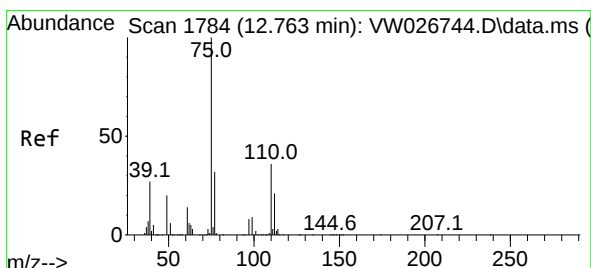
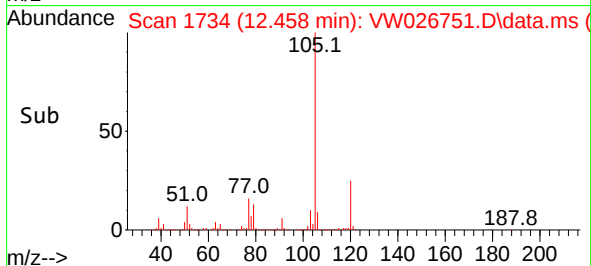
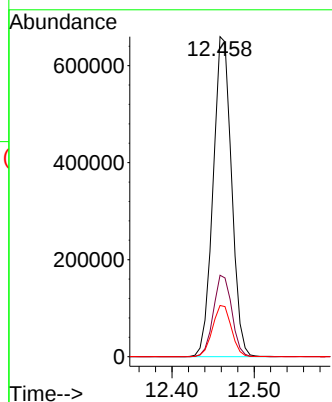
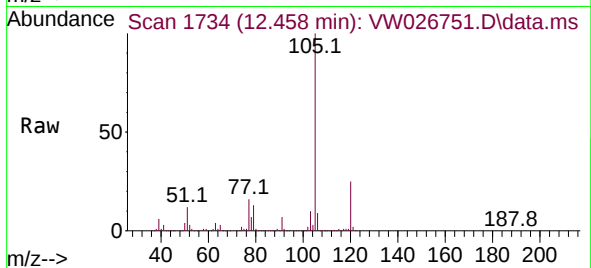
Tgt Ion:105 Resp: 1027171

Ion Ratio Lower Upper

105 100

120 25.4 21.0 31.6

77 16.4 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 20.918 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

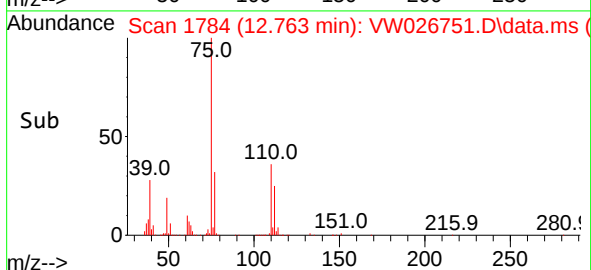
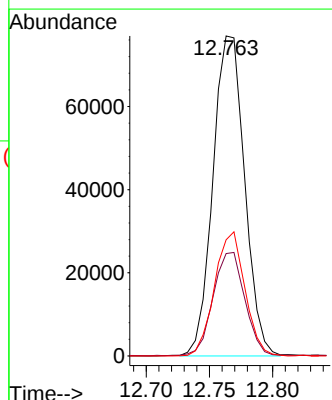
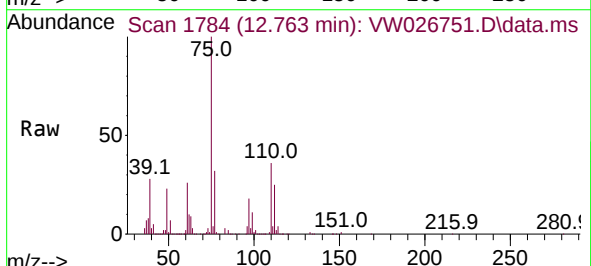
Tgt Ion: 75 Resp: 134161

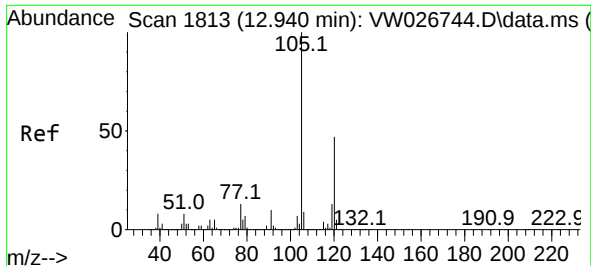
Ion Ratio Lower Upper

75 100

77 32.3 26.1 39.1

110 37.1 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 25.081 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

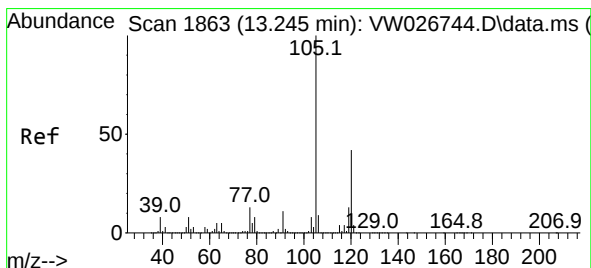
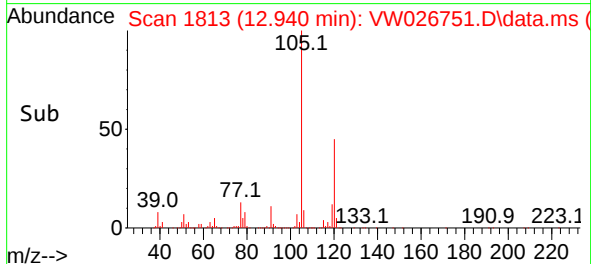
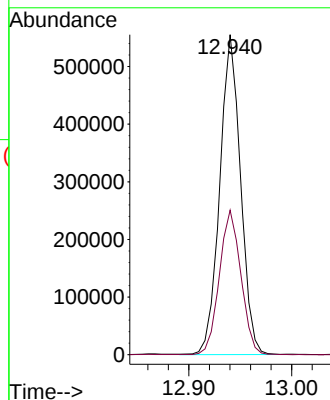
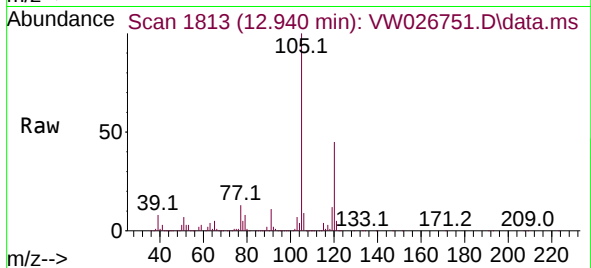
ClientSampleId :

Tgt Ion:105 Resp: 779285

Ion Ratio Lower Upper

105 100

120 46.7 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 25.659 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026751.D

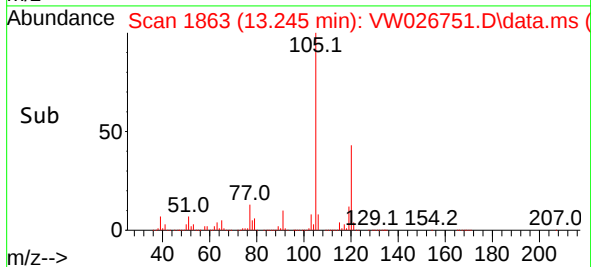
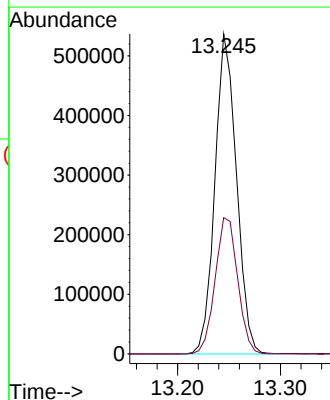
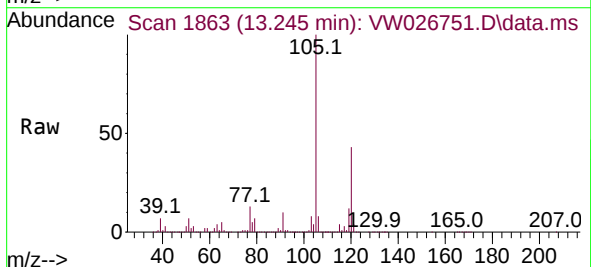
Acq: 16 Aug 2023 09:20

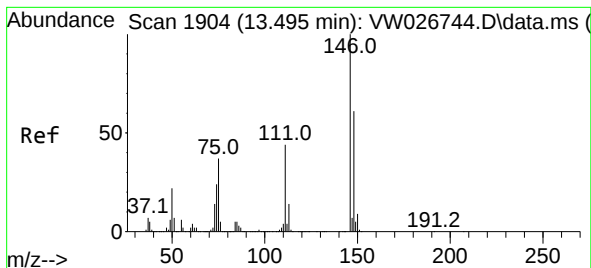
Tgt Ion:105 Resp: 781247

Ion Ratio Lower Upper

105 100

120 44.6 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 23.825 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :

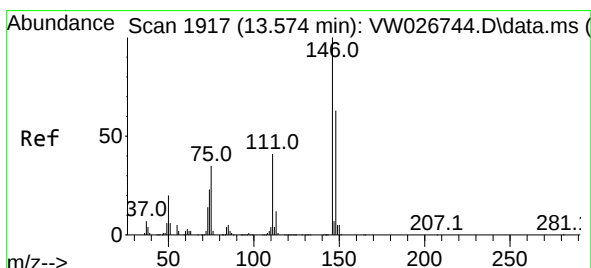
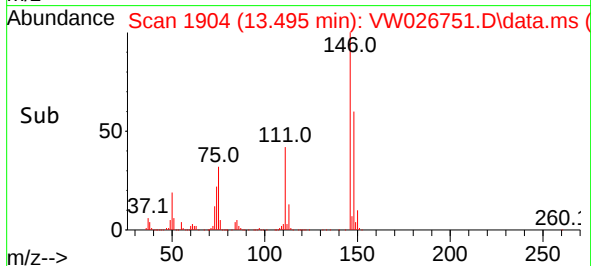
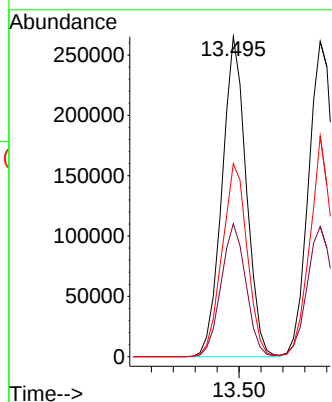
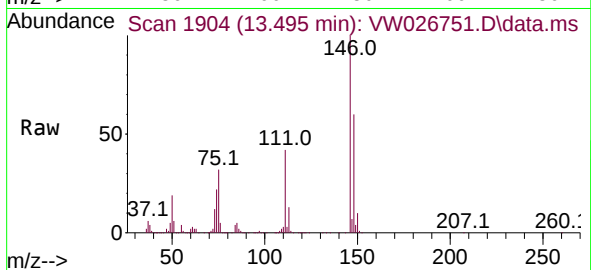
Tgt Ion:146 Resp: 407307

Ion Ratio Lower Upper

146 100

111 41.5 29.1 54.1

148 60.4 38.8 72.0



#65

1,4-Dichlorobenzene

Concen: 23.689 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

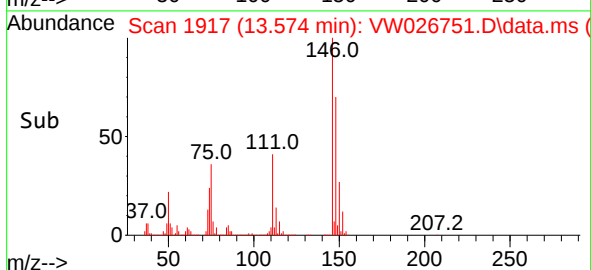
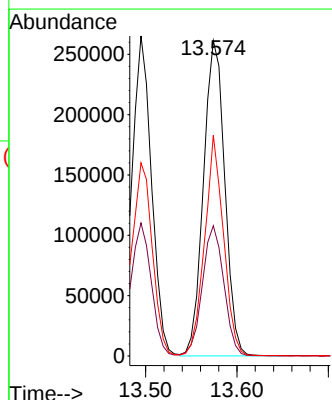
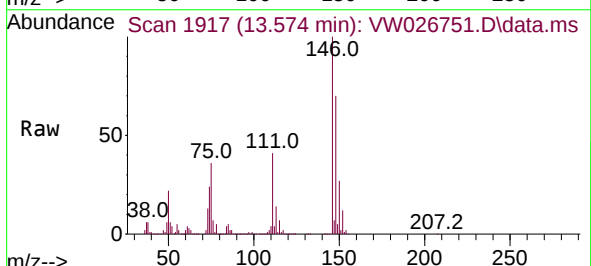
Tgt Ion:146 Resp: 422635

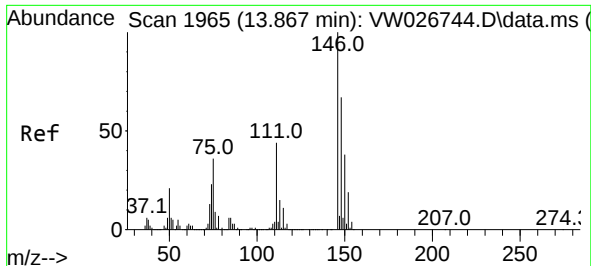
Ion Ratio Lower Upper

146 100

111 41.3 28.3 52.7

148 70.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 24.477 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :

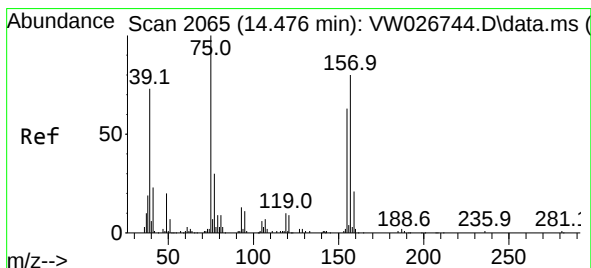
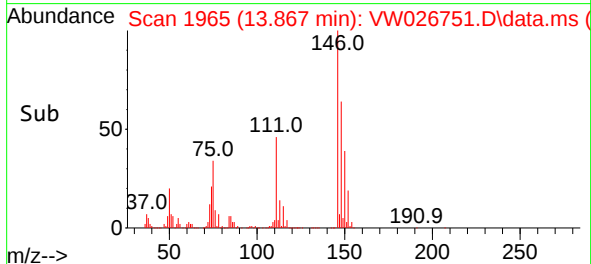
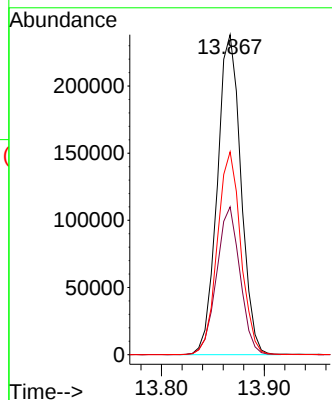
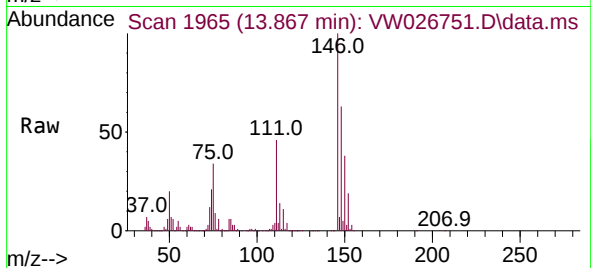
Tgt Ion:146 Resp: 380519

Ion Ratio Lower Upper

146 100

111 46.2 34.6 52.0

148 63.4 53.4 80.0



#68

1,2-Dibromo-3-chloropropane

Concen: 19.358 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

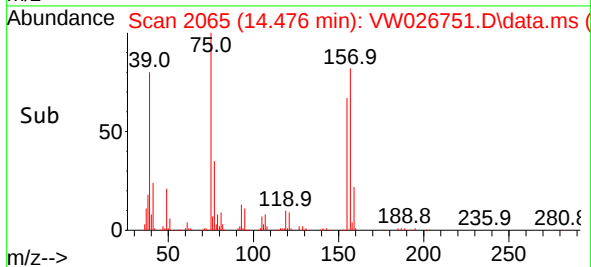
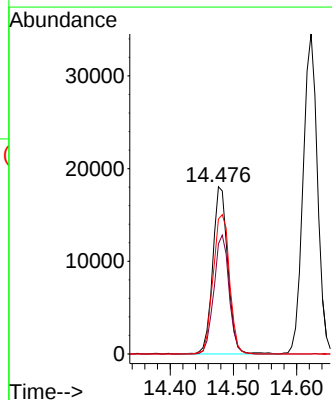
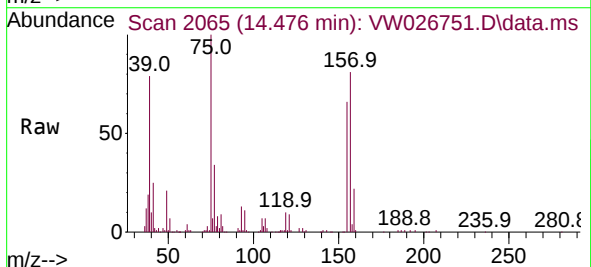
Tgt Ion: 75 Resp: 29931

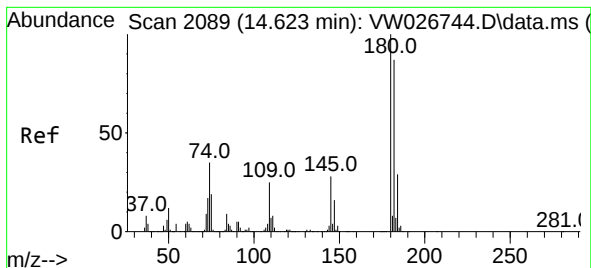
Ion Ratio Lower Upper

75 100

155 65.8 55.0 82.6

157 80.7 77.8 116.6





#69

1,3,5-Trichlorobenzene

Concen: 22.909 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

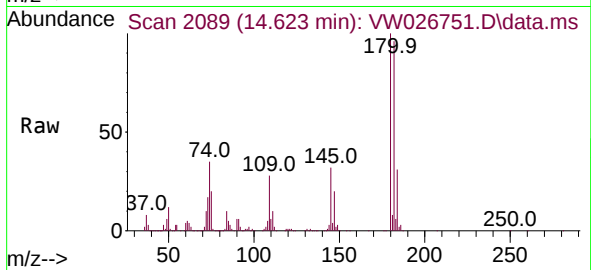
Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 264602

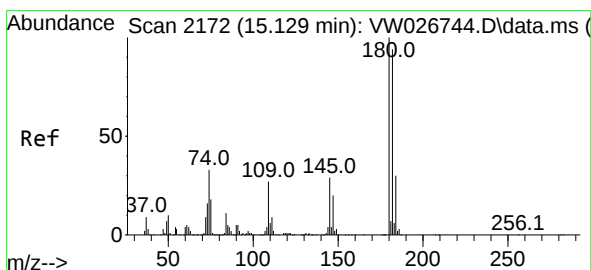
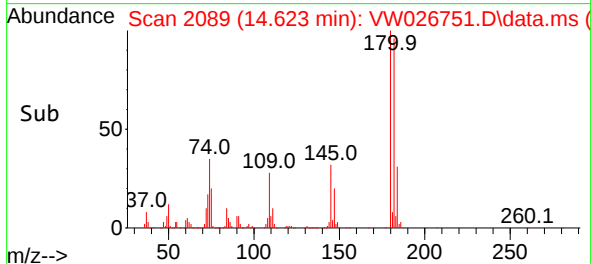
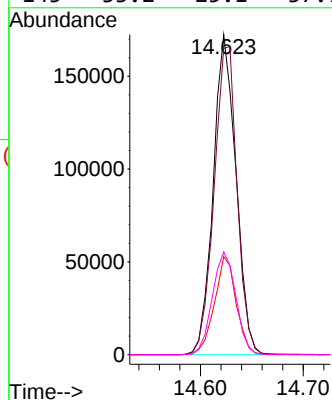
Ion Ratio Lower Upper

180 100

182 97.7 75.2 112.8

184 29.5 23.8 35.8

145 33.2 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 22.588 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

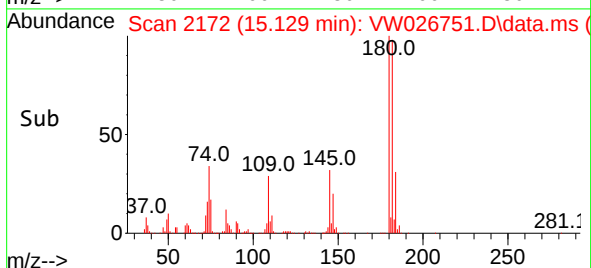
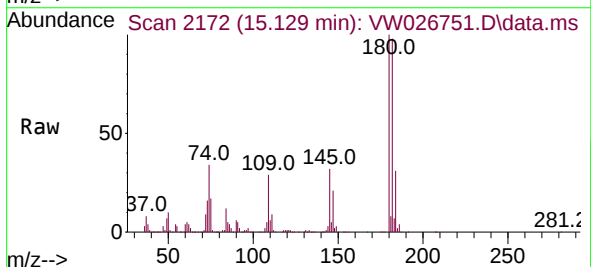
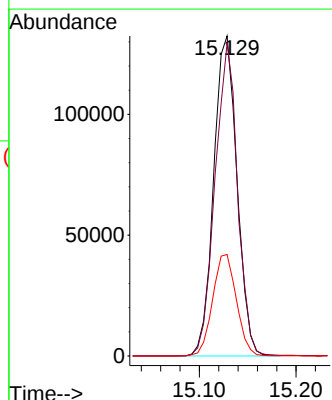
Tgt Ion:180 Resp: 221194

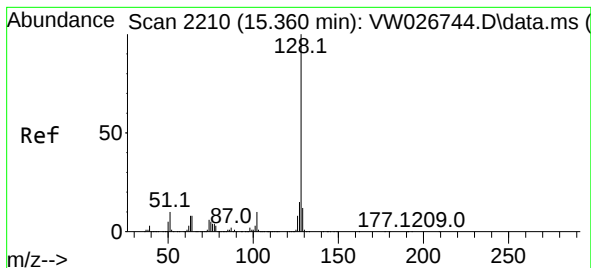
Ion Ratio Lower Upper

180 100

182 94.2 72.5 108.7

145 32.4 24.7 37.1





#71

Naphthalene

Concen: 21.898 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Instrument :

MSVOA\_W

ClientSampleId :

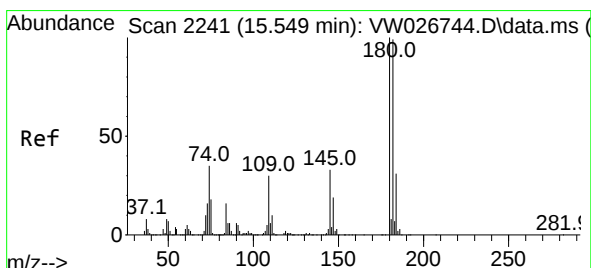
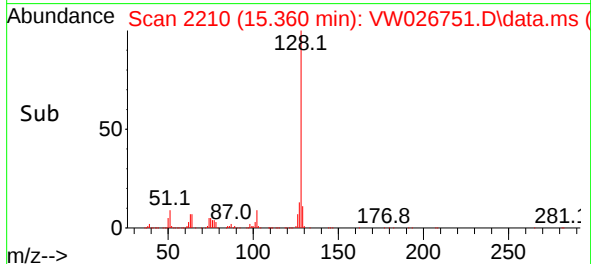
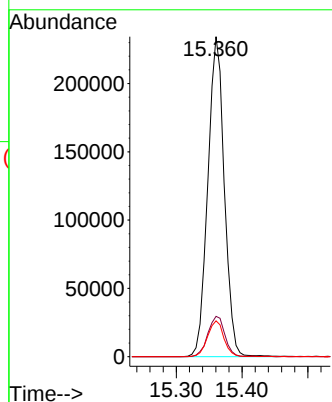
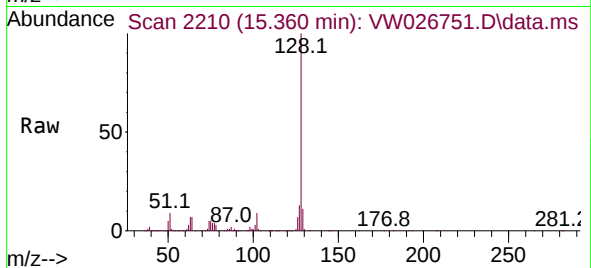
Tgt Ion:128 Resp: 409049

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

129 11.1 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 22.648 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026751.D

Acq: 16 Aug 2023 09:20

Tgt Ion:180 Resp: 200044

Ion Ratio Lower Upper

180 100

182 93.7 74.6 112.0

145 34.2 27.0 40.6

