

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW010824\  
 Data File : VW027828.D  
 Acq On : 08 Jan 2024 13:51  
 Operator : SY/MD  
 Sample : VSTD2.5  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jan 09 03:50:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM010824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jan 09 03:50:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 360285   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 331444   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 154928   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65   | 10784    | 2.449  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.899  | 69   | 10715    | 2.780  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65   | 5464     | 2.762  | ug/L   | -0.01    |
| 21) 2-Butanone-d5             | 7.100  | 46   | 3210     | 4.389  | ug/L   | 0.01     |
| 24) Chloroform-d              | 7.654  | 84   | 22422    | 2.575  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 10323    | 2.613  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 46909    | 2.518  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 13360    | 2.564  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 42761    | 2.445  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79   | 4527     | 2.280  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.928 | 63   | 3055     | 4.491  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 9069     | 2.466  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 14304    | 2.606  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85   | 7397     | 2.133  | ug/L   | 93       |
| 3) Chloromethane              | 2.222  | 50   | 11982    | 2.570  | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62   | 9796     | 2.090  | ug/L   | 97       |
| 6) Bromomethane               | 2.796  | 94   | 9736     | 2.654  | ug/L   | 94       |
| 8) Chloroethane               | 2.930  | 64   | 8279     | 2.613  | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.271  | 101  | 13601    | 2.535  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101  | 6664     | 1.527  | ug/L # | 59       |
| 12) 1,1-Dichloroethene        | 4.045  | 96   | 11008    | 2.558  | ug/L   | 96       |
| 13) Acetone                   | 4.155  | 43   | 6774     | 7.655  | ug/L   | 67       |
| 14) Carbon disulfide          | 4.387  | 76   | 32713    | 2.486  | ug/L   | 97       |
| 15) Methyl Acetate            | 4.685  | 43   | 2681     | 2.183  | ug/L   | 93       |
| 16) Methylene chloride        | 4.917  | 84   | 19345    | 3.659  | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96   | 11592    | 2.528  | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73   | 14192    | 2.520  | ug/L # | 84       |
| 19) 1,1-Dichloroethane        | 6.222  | 63   | 19774    | 2.541  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 12064    | 2.442  | ug/L   | 98       |
| 22) 2-Butanone                | 7.191  | 43   | 4220     | 4.674  | ug/L   | 73       |
| 23) Bromochloromethane        | 7.520  | 128  | 5514     | 2.543  | ug/L   | 92       |
| 25) Chloroform                | 7.673  | 83   | 20987    | 2.600  | ug/L   | 90       |
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 11850    | 2.608  | ug/L   | 99       |
| 29) Cyclohexane               | 7.953  | 56   | 16027    | 2.377  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 16747    | 2.522  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 14388    | 2.488  | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 46267    | 2.535  | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 12674    | 2.535  | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.331  | 83   | 20686    | 2.460  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 11147    | 2.541  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 13969    | 2.541  | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 16168    | 2.375  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 8375     | 4.864  | ug/L   | 98       |
| 42) Toluene                   | 10.386 | 91   | 49759    | 2.489  | ug/L   | 93       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 12038    | 2.295  | ug/L   | 92       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW010824\  
 Data File : VW027828.D  
 Acq On : 08 Jan 2024 13:51  
 Operator : SY/MD  
 Sample : VSTD2.5  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

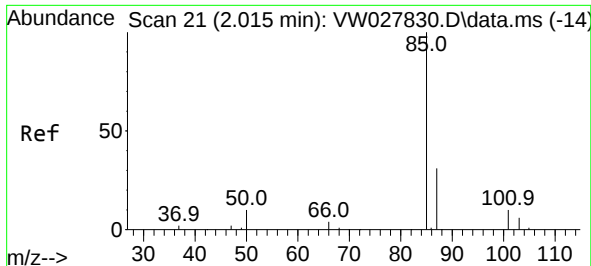
Quant Time: Jan 09 03:50:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM010824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jan 09 03:50:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 8322     | 2.531 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 10404    | 2.584 | ug/L   | 89       |
| 48) 2-Hexanone                | 10.971 | 43   | 6303     | 5.004 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 8801     | 2.462 | ug/L   | 88       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 7334     | 2.435 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 33922    | 2.583 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 55427    | 2.463 | ug/L   | 94       |
| 53) m,p-Xylene                | 11.837 | 106  | 21186    | 2.432 | ug/L   | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 19677    | 2.408 | ug/L   | 91       |
| 55) Styrene                   | 12.178 | 104  | 32413    | 2.338 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 8968     | 2.510 | ug/L   | 93       |
| 59) Bromoform                 | 12.343 | 173  | 4791     | 2.509 | ug/L # | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 53157    | 2.492 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 6426     | 2.710 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 40584    | 2.396 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 40566    | 2.401 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 24489    | 2.532 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 25311    | 2.657 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 23085    | 2.739 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 1209     | 2.652 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 18024    | 2.669 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 13495    | 2.466 | ug/L   | 89       |
| 71) Naphthalene               | 15.360 | 128  | 22398    | 2.459 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 12124    | 2.621 | ug/L   | 95       |
| -----                         |        |      |          |       |        |          |

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

Quant Time: Jan 09 03:50:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM010824SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Jan 09 03:50:03 2024  
Response via : Initial Calibration

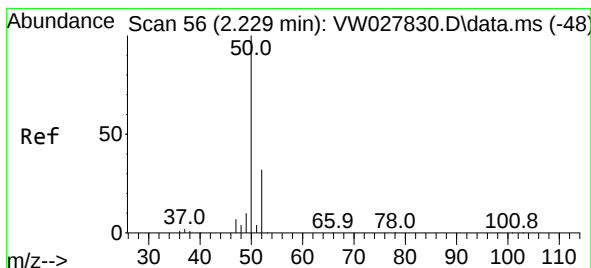
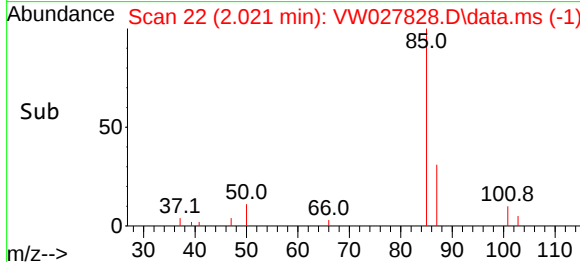
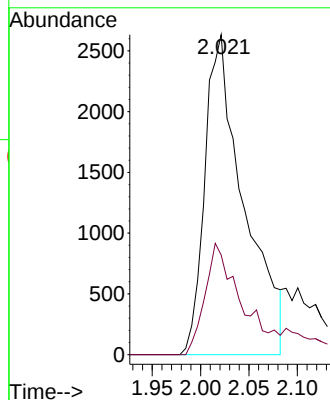
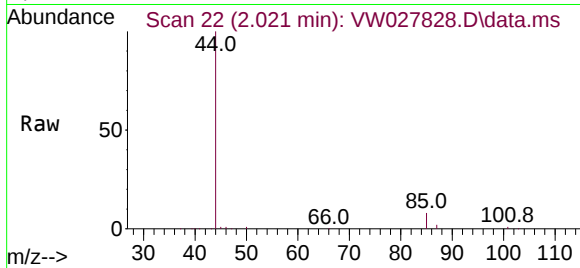




#2  
 Dichlorodifluoromethane  
 Concen: 2.133 ug/L  
 RT: 2.021 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VW027828.D  
 Acq: 08 Jan 2024 13:51

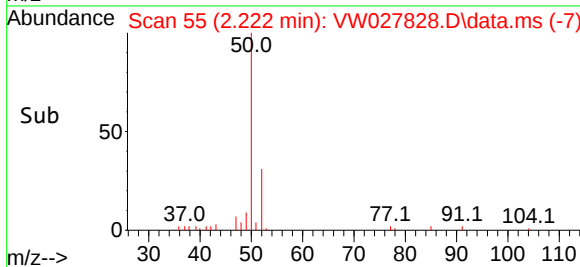
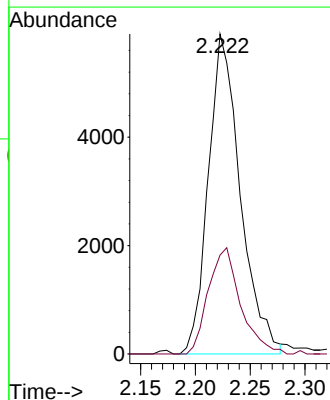
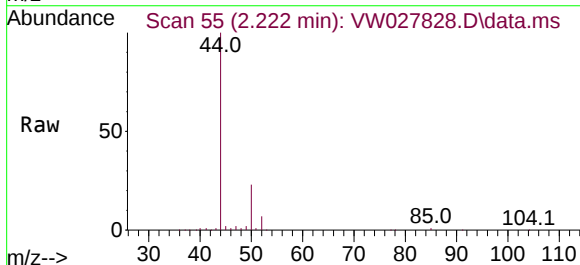
Instrument :  
 MSVOA\_W  
 ClientSampleId :

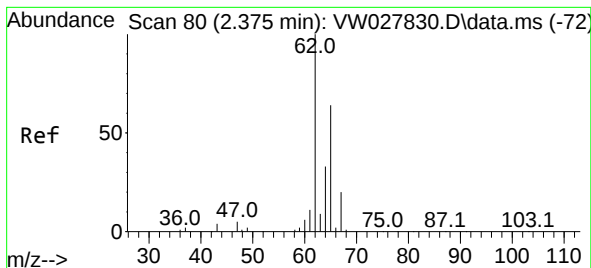
Tgt Ion: 85 Resp: 7397  
 Ion Ratio Lower Upper  
 85 100  
 87 27.4 25.0 37.4



#3  
 Chloromethane  
 Concen: 2.570 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.006 min  
 Lab File: VW027828.D  
 Acq: 08 Jan 2024 13:51

Tgt Ion: 50 Resp: 11982  
 Ion Ratio Lower Upper  
 50 100  
 52 30.9 22.5 41.7





#5

Vinyl chloride

Concen: 2.090 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Instrument :

MSVOA\_W

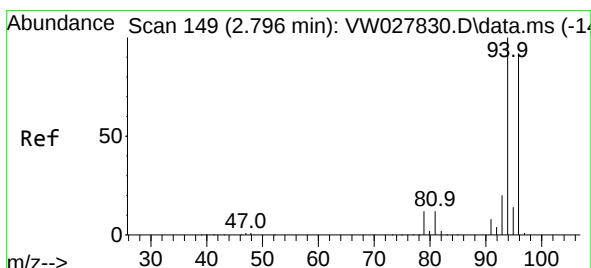
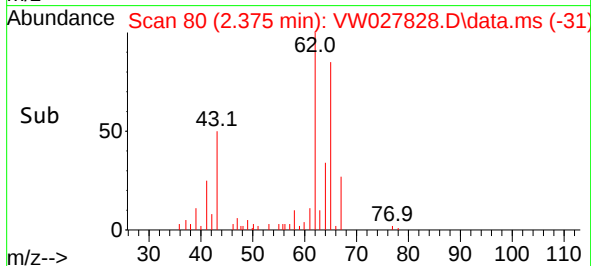
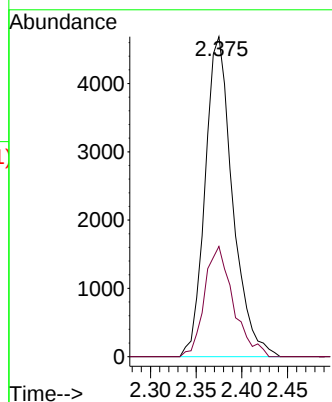
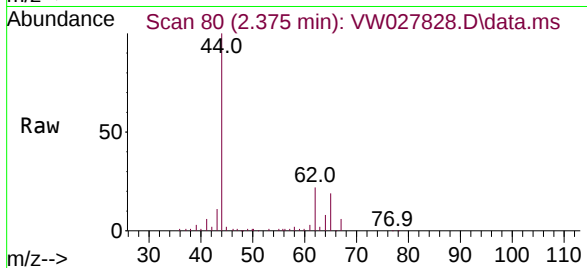
ClientSampleId :

Tgt Ion: 62 Resp: 9796

Ion Ratio Lower Upper

62 100

64 34.4 23.0 42.6



#6

Bromomethane

Concen: 2.654 ug/L

RT: 2.796 min Scan# 149

Delta R.T. -0.000 min

Lab File: VW027828.D

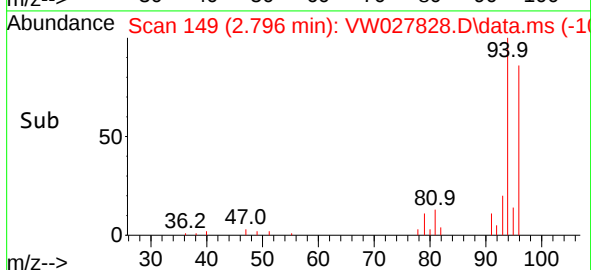
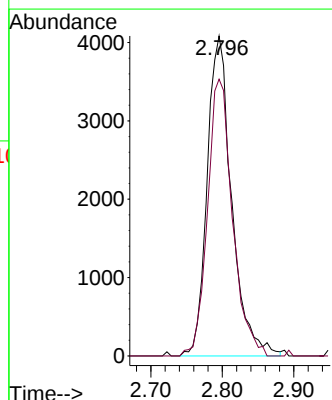
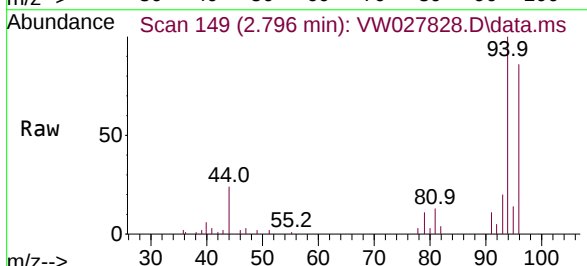
Acq: 08 Jan 2024 13:51

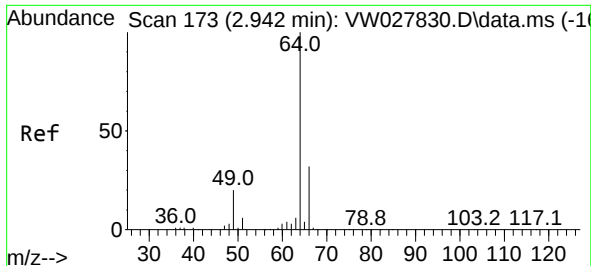
Tgt Ion: 94 Resp: 9736

Ion Ratio Lower Upper

94 100

96 86.5 64.3 119.5

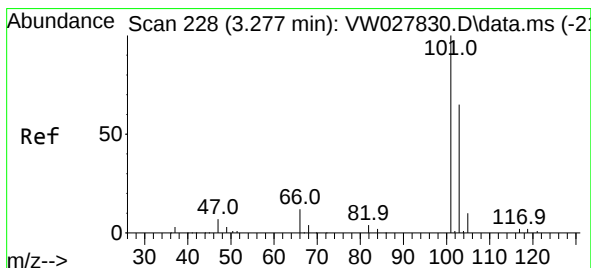
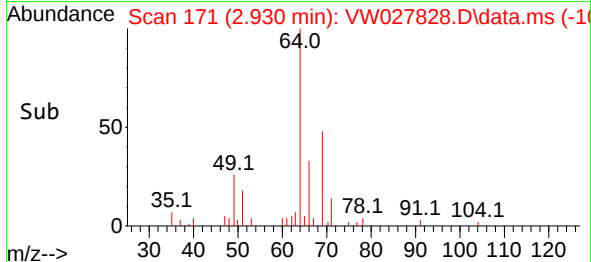
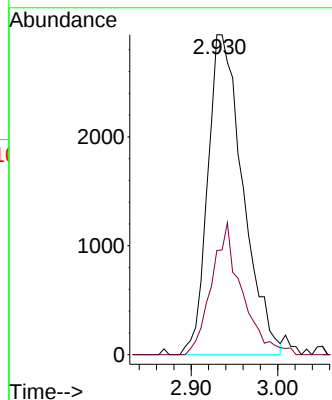
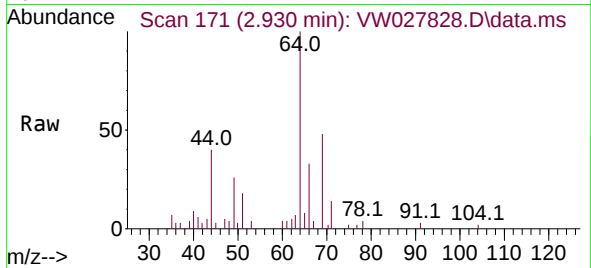




#8  
Chloroethane  
Concen: 2.613 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

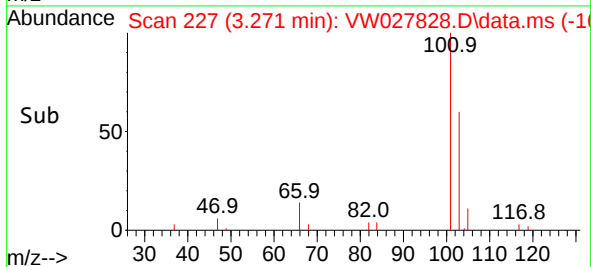
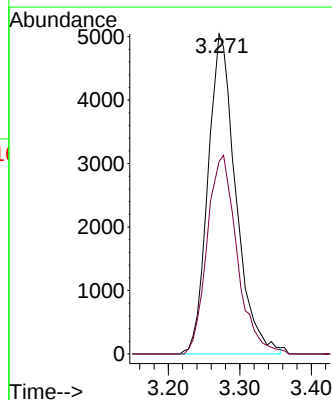
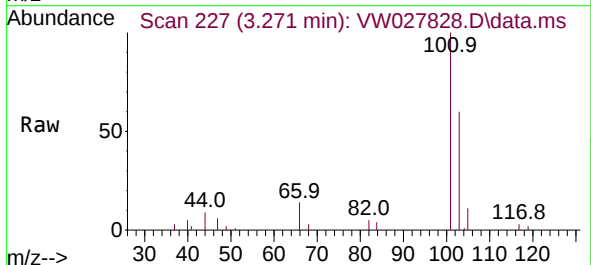
Instrument :  
MSVOA\_W  
ClientSampleId :

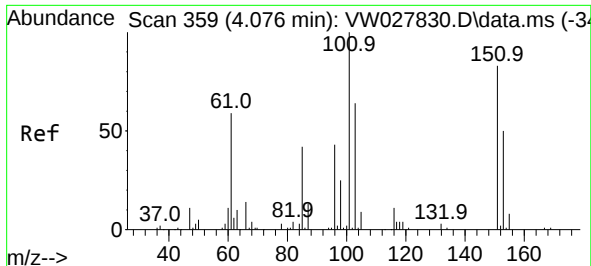
Tgt Ion: 64 Resp: 8279  
Ion Ratio Lower Upper  
64 100  
66 32.5 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 2.535 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. -0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion:101 Resp: 13601  
Ion Ratio Lower Upper  
101 100  
103 66.9 51.5 77.3

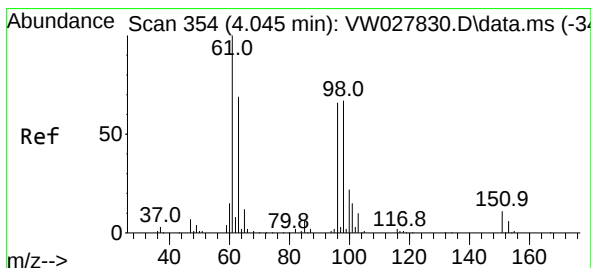
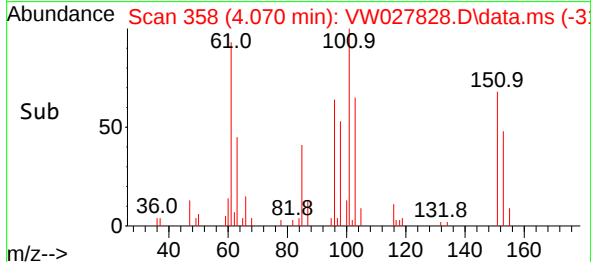
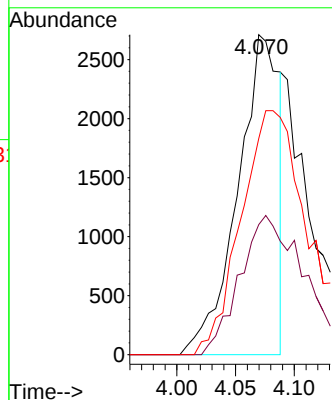
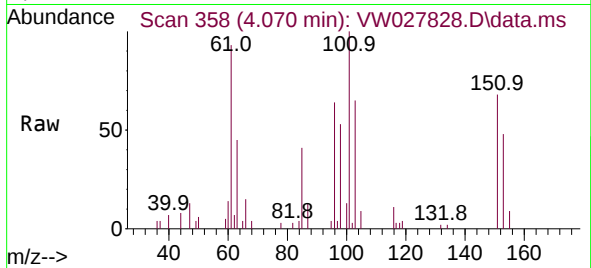




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.527 ug/L  
 RT: 4.070 min Scan# 359  
 Delta R.T. -0.006 min  
 Lab File: VW027828.D  
 Acq: 08 Jan 2024 13:51

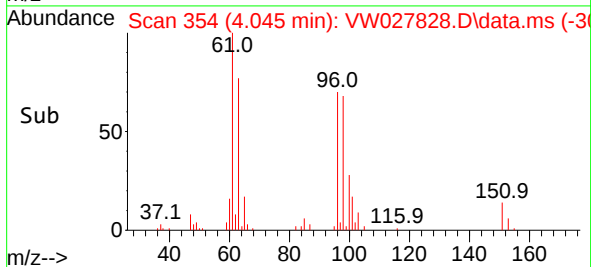
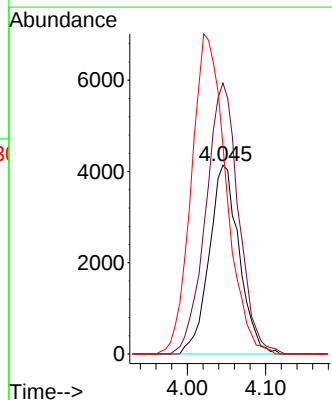
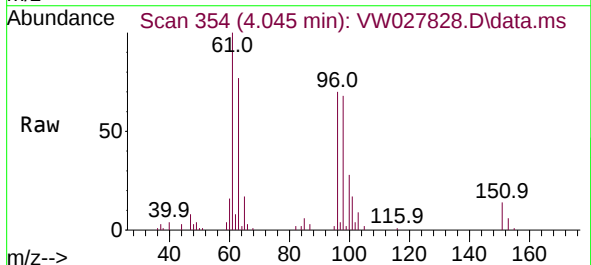
Instrument :  
 MSVOA\_W  
 ClientSampleId :

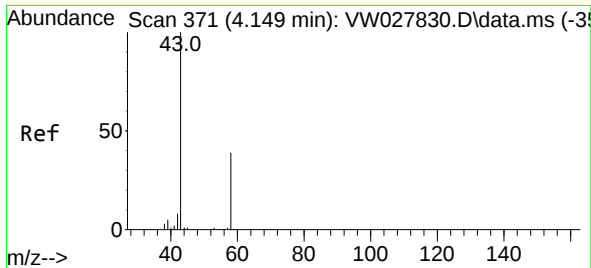
Tgt Ion:101 Resp: 6664  
 Ion Ratio Lower Upper  
 101 100  
 85 46.3 32.6 48.8  
 151 125.2 60.6 91.0#



#12  
 1,1-Dichloroethene  
 Concen: 2.558 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW027828.D  
 Acq: 08 Jan 2024 13:51

Tgt Ion: 96 Resp: 11008  
 Ion Ratio Lower Upper  
 96 100  
 61 143.6 105.7 196.3  
 63 110.6 76.0 141.2

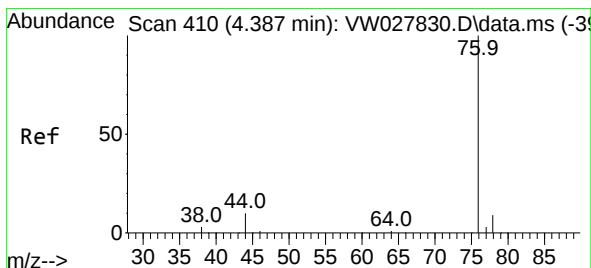
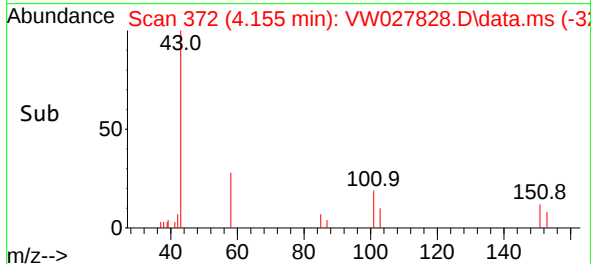
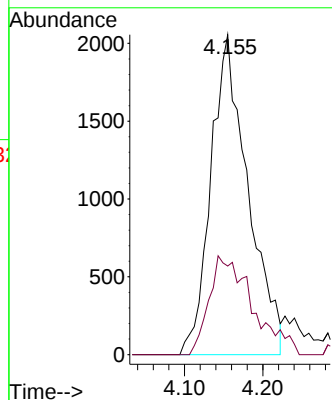
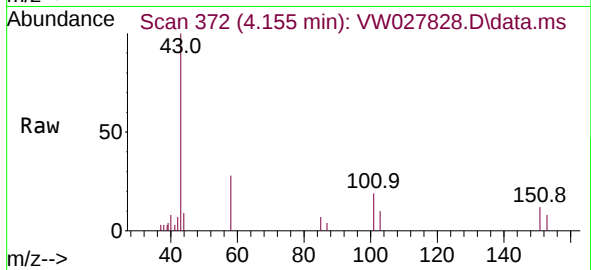




#13  
Acetone  
Concen: 7.655 ug/L  
RT: 4.155 min Scan# 372  
Delta R.T. 0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

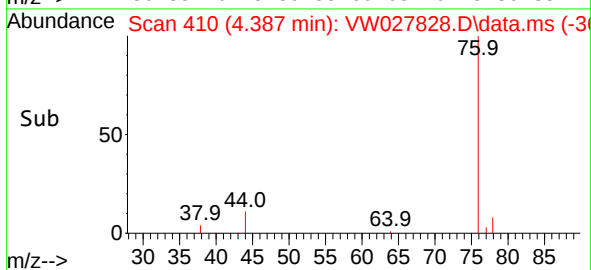
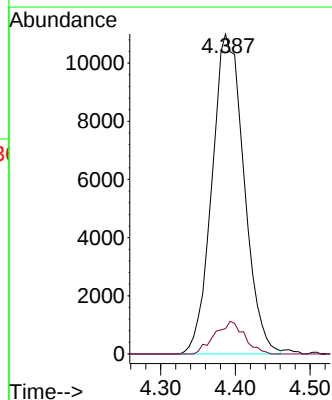
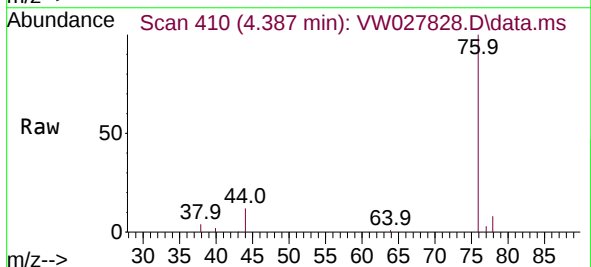
Instrument :  
MSVOA\_W  
ClientSampleId :

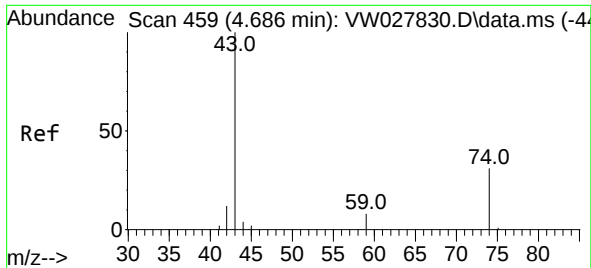
Tgt Ion: 43 Resp: 6774  
Ion Ratio Lower Upper  
43 100  
58 16.1 0.0 70.2



#14  
Carbon disulfide  
Concen: 2.486 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion: 76 Resp: 32713  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.0 10.6

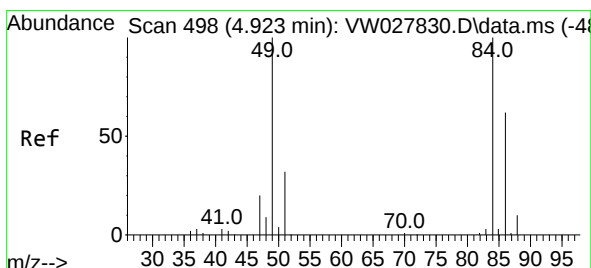
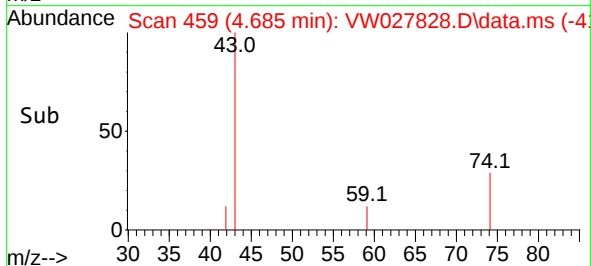
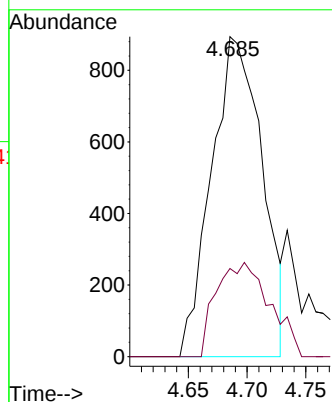
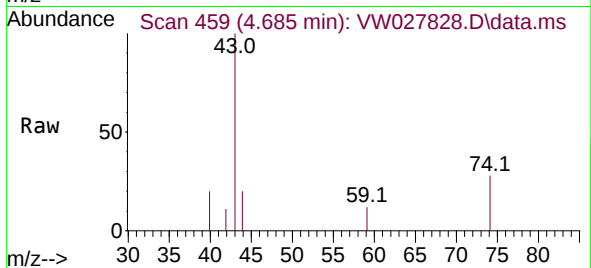




#15  
Methyl Acetate  
Concen: 2.183 ug/L  
RT: 4.685 min Scan# 459  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

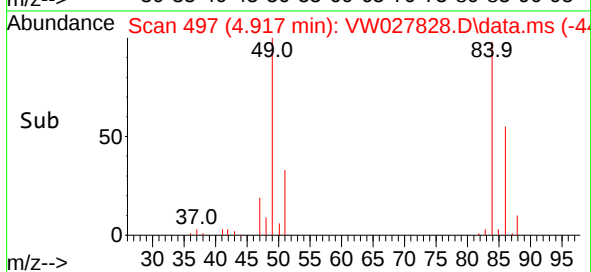
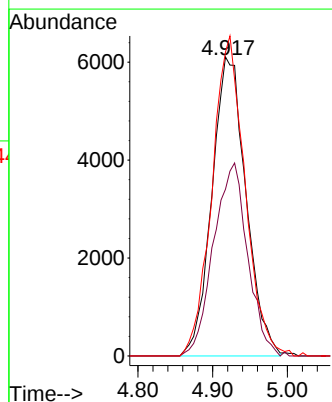
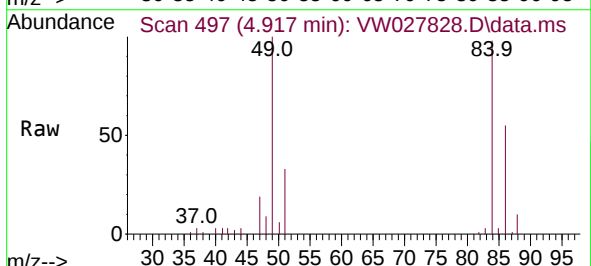
Instrument :  
MSVOA\_W  
ClientSampleId :

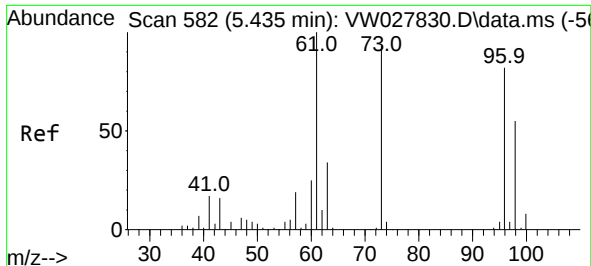
Tgt Ion: 43 Resp: 2681  
Ion Ratio Lower Upper  
43 100  
74 31.0 21.9 32.9



#16  
Methylene chloride  
Concen: 3.659 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

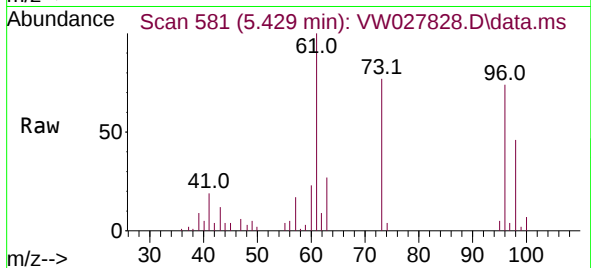
Tgt Ion: 84 Resp: 19345  
Ion Ratio Lower Upper  
84 100  
86 55.8 43.5 80.9  
49 101.6 70.3 130.5





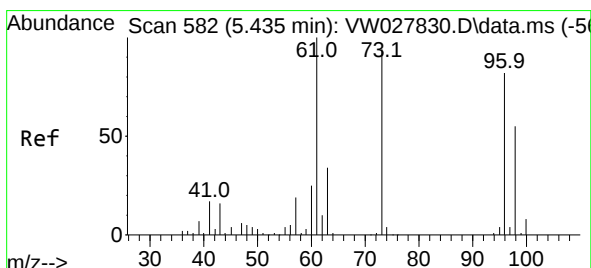
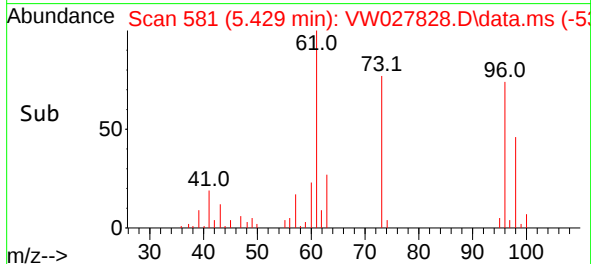
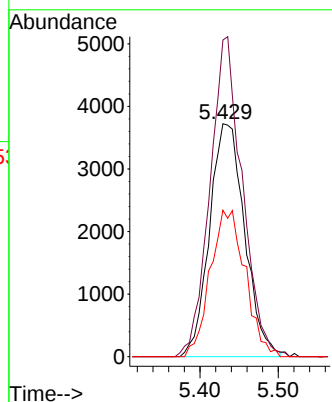
#17  
trans-1,2-Dichloroethene  
Concen: 2.528 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 11592

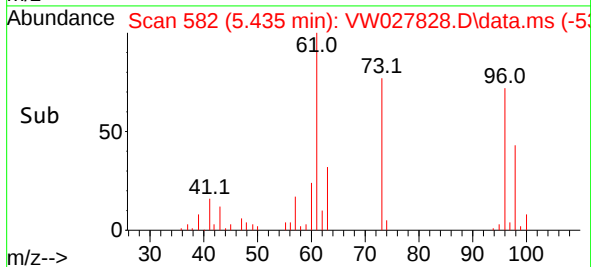
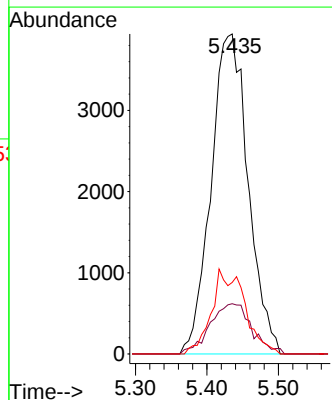
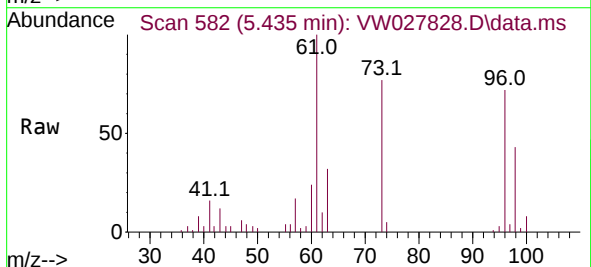
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 136.0 | 85.0  | 157.8 |
| 98  | 62.9  | 46.3  | 86.1  |

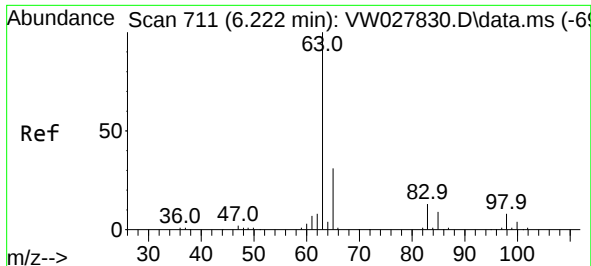


#18  
Methyl tert-butyl Ether  
Concen: 2.520 ug/L  
RT: 5.435 min Scan# 582  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion: 73 Resp: 14192

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 11.6  | 13.5  | 20.3# |
| 57  | 12.1  | 16.9  | 25.3# |





#19

1,1-Dichloroethane

Concen: 2.541 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

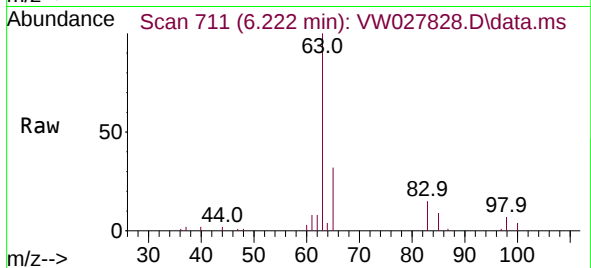
Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Instrument :

MSVOA\_W

ClientSampleId :



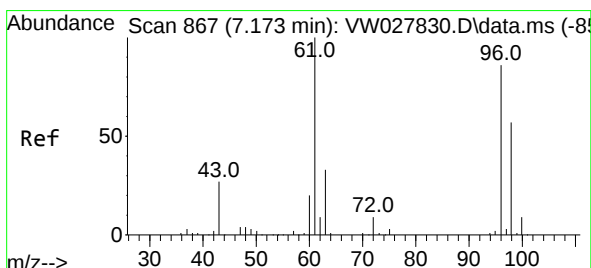
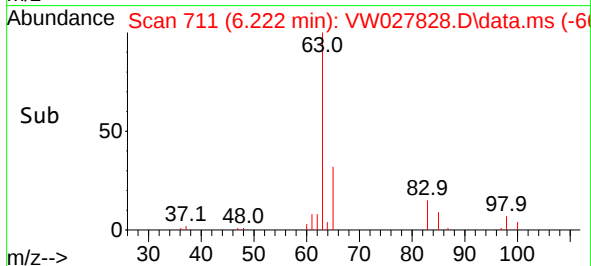
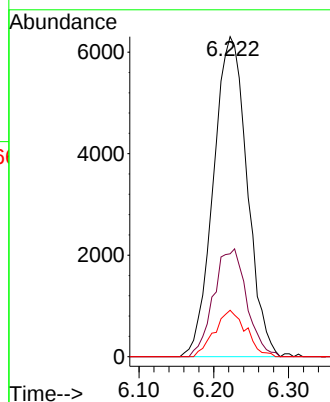
Tgt Ion: 63 Resp: 19774

Ion Ratio Lower Upper

63 100

65 32.2 21.5 39.9

83 14.5 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 2.442 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

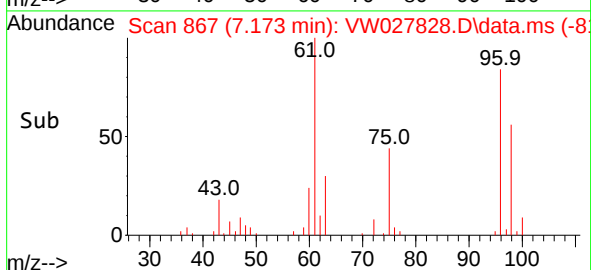
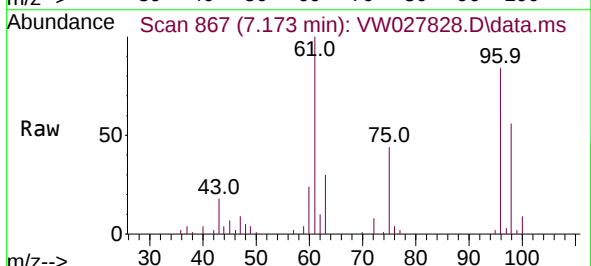
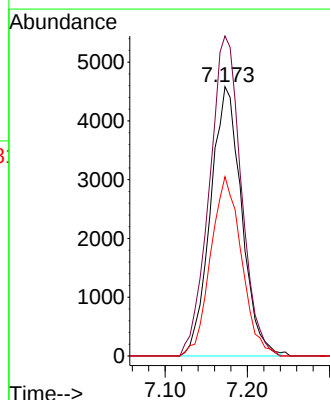
Tgt Ion: 96 Resp: 12064

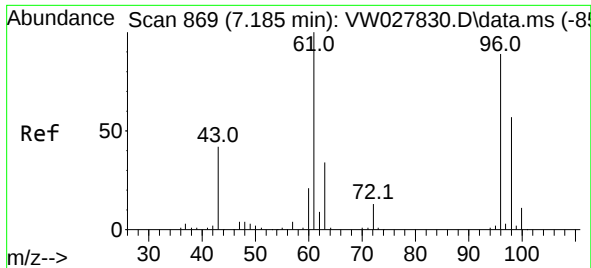
Ion Ratio Lower Upper

96 100

61 118.8 81.1 150.7

98 66.5 46.5 86.5

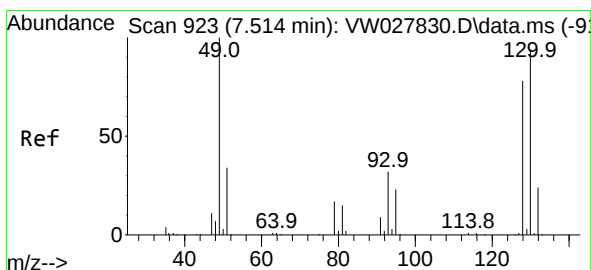
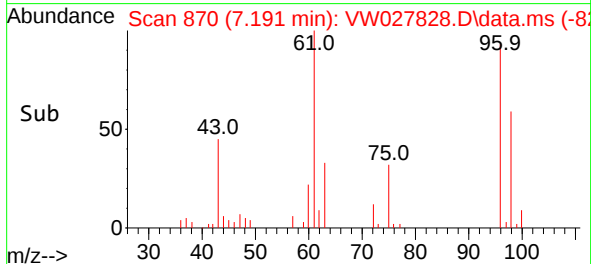
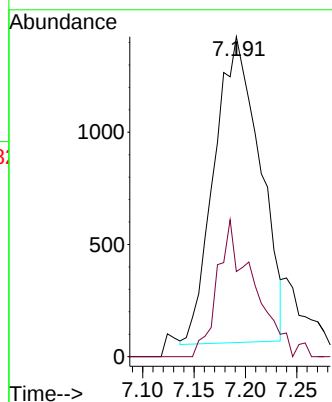
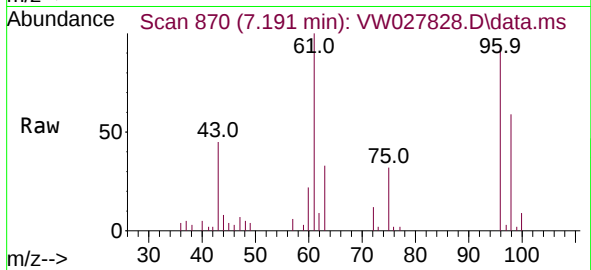




#22  
2-Butanone  
Concen: 4.674 ug/L  
RT: 7.191 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

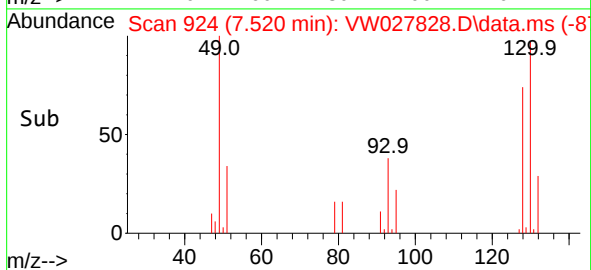
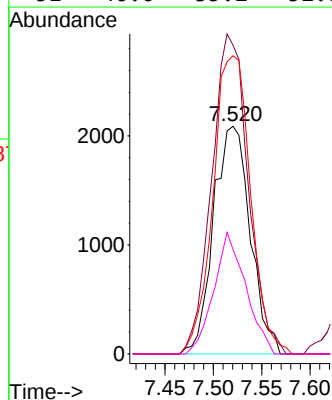
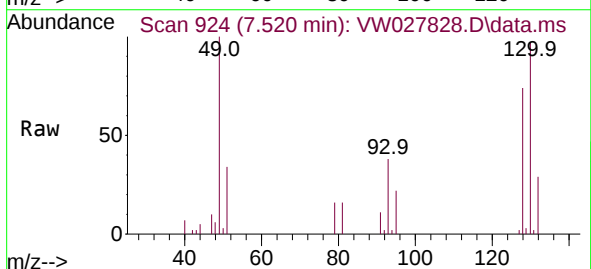
Instrument :  
MSVOA\_W  
ClientSampleId :

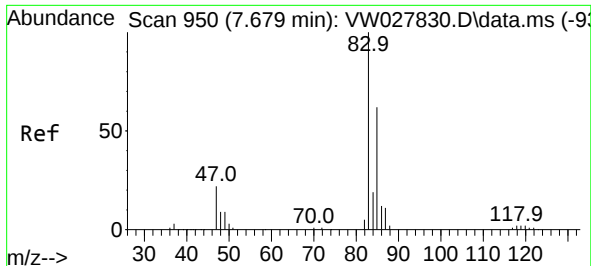
Tgt Ion: 43 Resp: 4220  
Ion Ratio Lower Upper  
43 100  
72 18.3 16.7 50.1



#23  
Bromochloromethane  
Concen: 2.543 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion: 128 Resp: 5514  
Ion Ratio Lower Upper  
128 100  
49 135.6 89.9 166.9  
130 131.0 83.3 154.7  
51 46.0 35.2 52.8

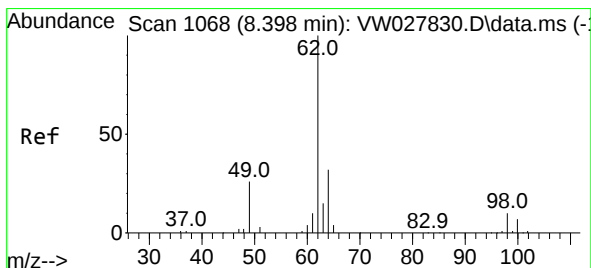
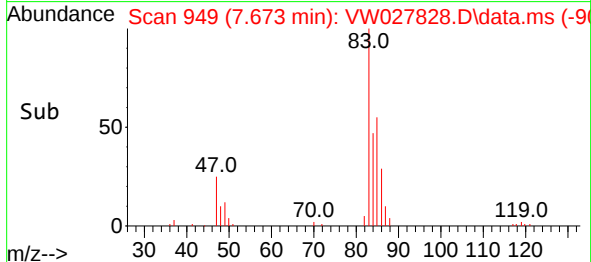
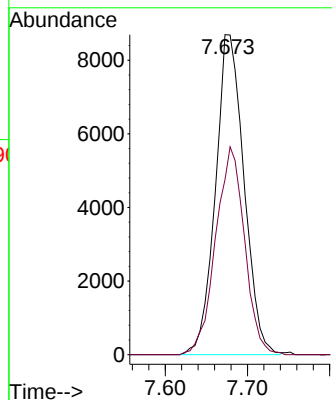
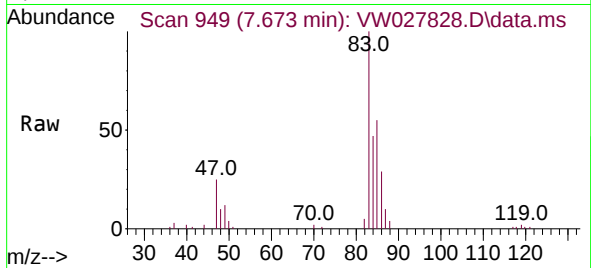




#25  
Chloroform  
Concen: 2.600 ug/L  
RT: 7.673 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

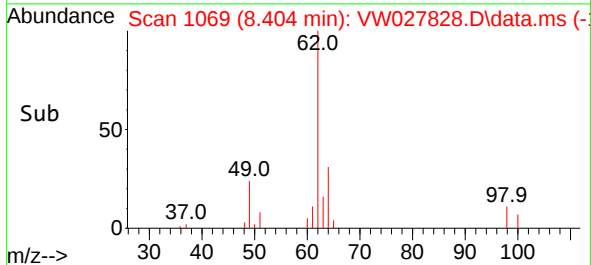
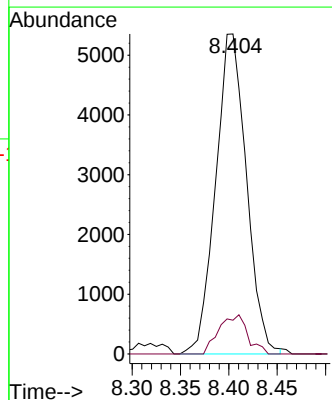
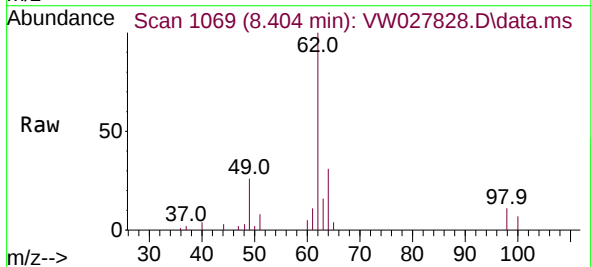
Instrument :  
MSVOA\_W  
ClientSampleId :

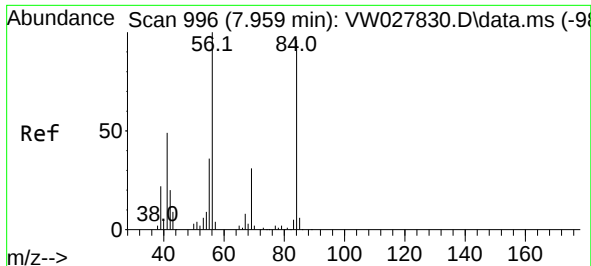
Tgt Ion: 83 Resp: 20987  
Ion Ratio Lower Upper  
83 100  
85 54.7 43.7 81.1



#27  
1,2-Dichloroethane  
Concen: 2.608 ug/L  
RT: 8.404 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

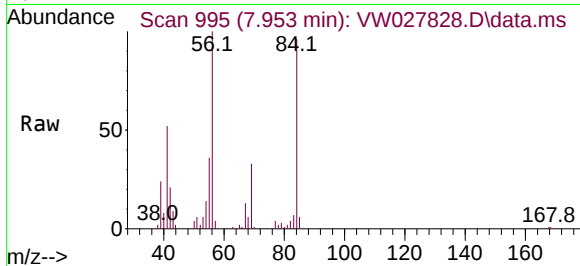
Tgt Ion: 62 Resp: 11850  
Ion Ratio Lower Upper  
62 100  
98 10.5 8.1 12.1



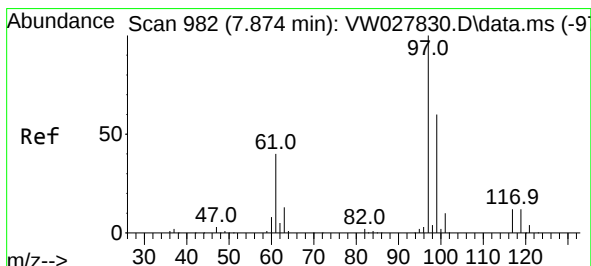
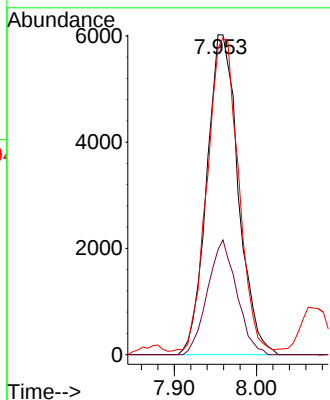
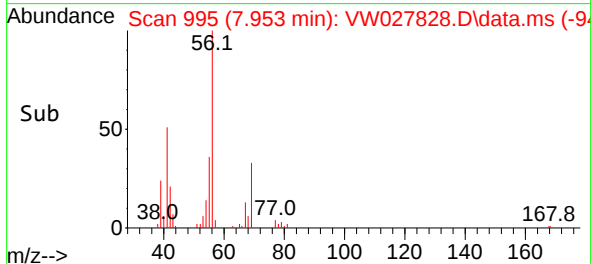


#29  
Cyclohexane  
Concen: 2.377 ug/L  
RT: 7.953 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Instrument :  
MSVOA\_W  
ClientSampleId :

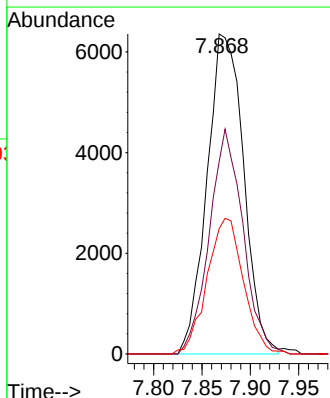
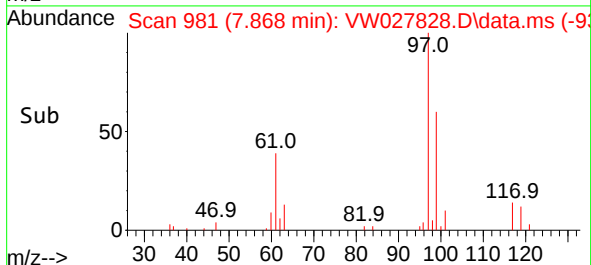
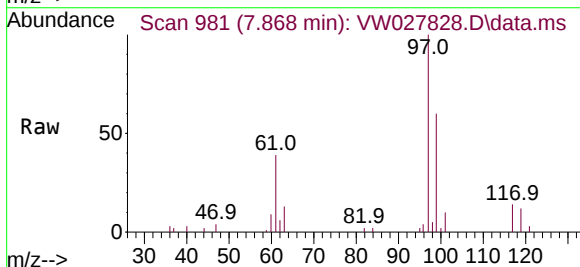


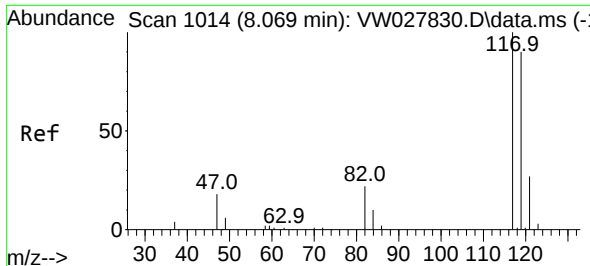
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 16027 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 33.2  | 25.8  | 38.6  |
| 84        | 99.2  | 79.0  | 118.4 |



#30  
1,1,1-Trichloroethane  
Concen: 2.522 ug/L  
RT: 7.868 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 16747 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 64.5  | 50.6  | 75.8  |
| 61        | 41.9  | 33.6  | 50.4  |

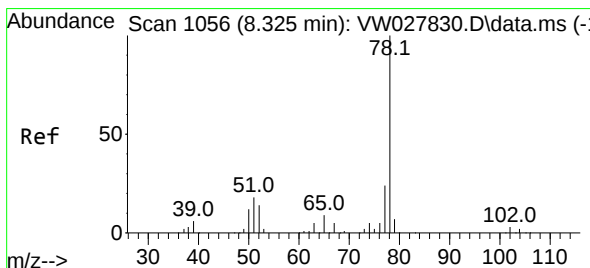
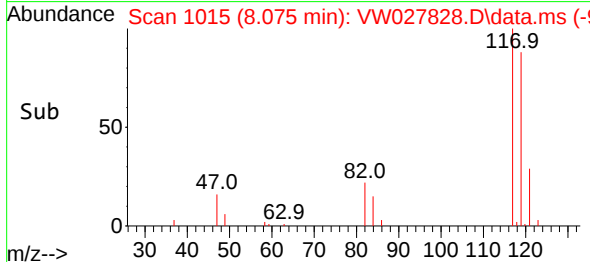
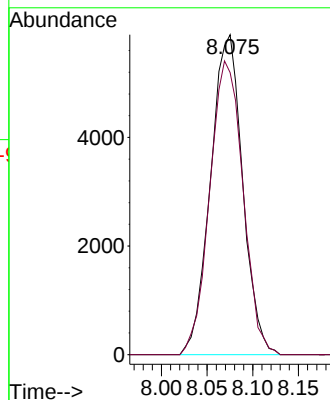
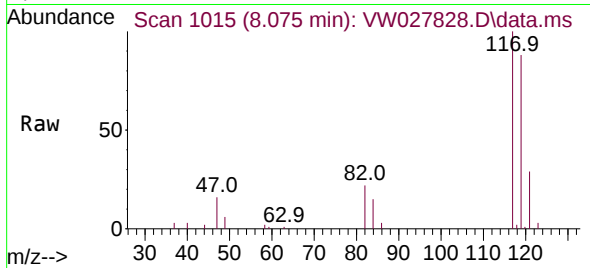




#31  
Carbon tetrachloride  
Concen: 2.488 ug/L  
RT: 8.075 min Scan# 1014  
Delta R.T. 0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

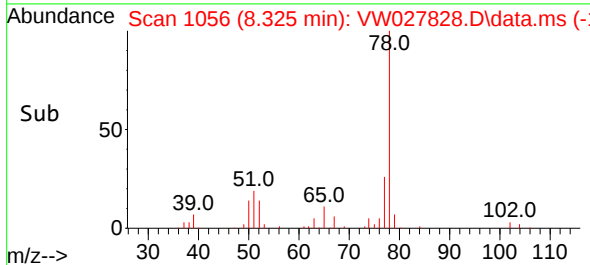
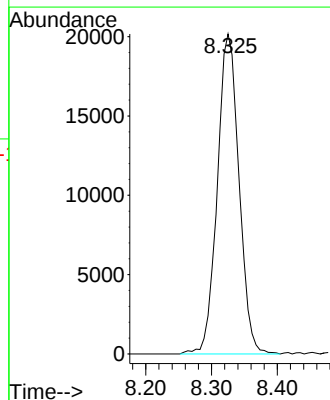
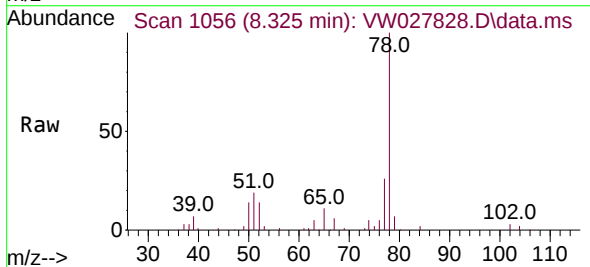
Instrument :  
MSVOA\_W  
ClientSampleId :

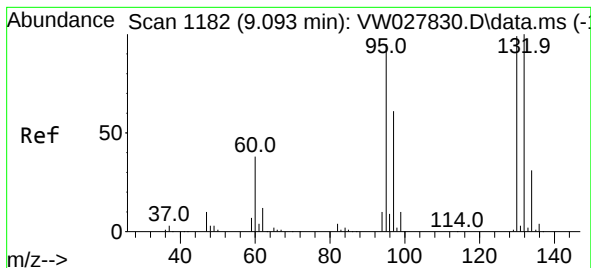
Tgt Ion:117 Resp: 14388  
Ion Ratio Lower Upper  
117 100  
119 95.0 74.8 112.2



#33  
Benzene  
Concen: 2.535 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion: 78 Resp: 46267





#34

Trichloroethene

Concen: 2.535 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 12674

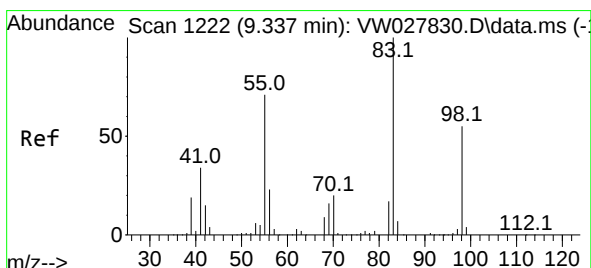
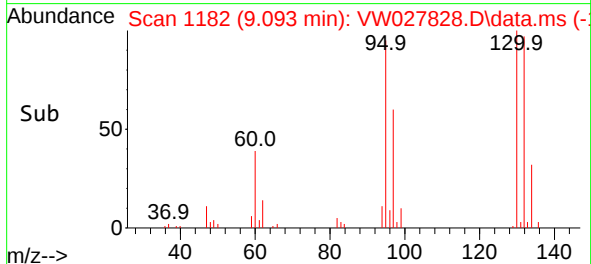
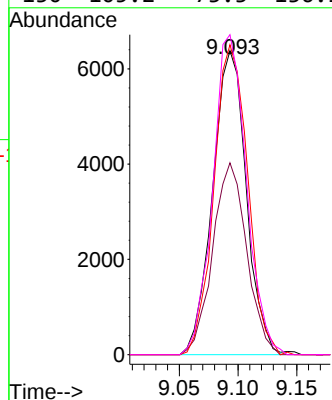
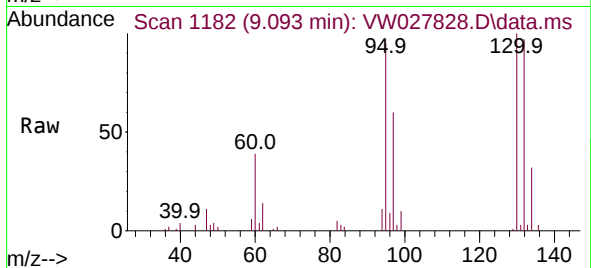
Ion Ratio Lower Upper

95 100

97 63.1 45.1 83.9

132 101.9 74.1 137.5

130 105.2 73.3 136.1



#35

Methylcyclohexane

Concen: 2.460 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

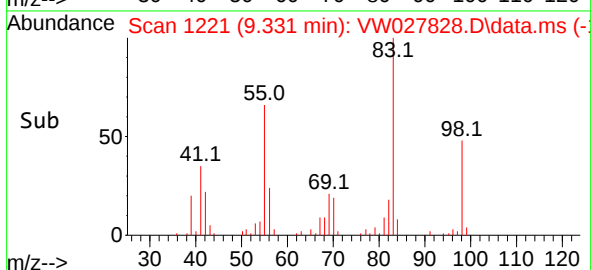
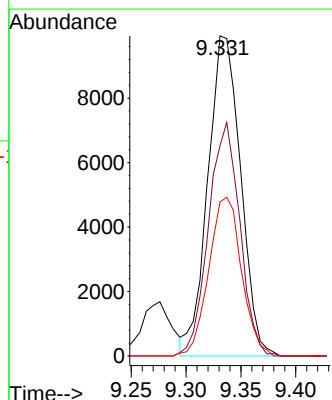
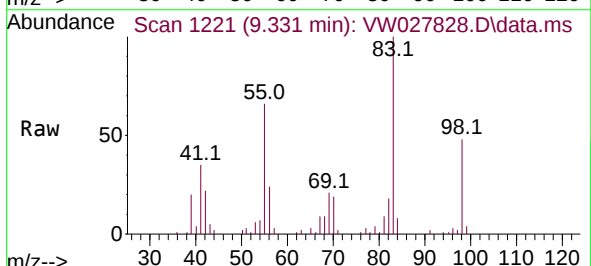
Tgt Ion: 83 Resp: 20686

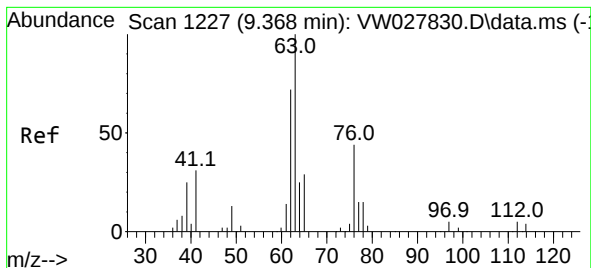
Ion Ratio Lower Upper

83 100

55 69.5 54.7 82.1

98 49.4 41.0 61.4





#37

1,2-Dichloropropane

Concen: 2.541 ug/L

RT: 9.368 min Scan# 11147

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Instrument :

MSVOA\_W

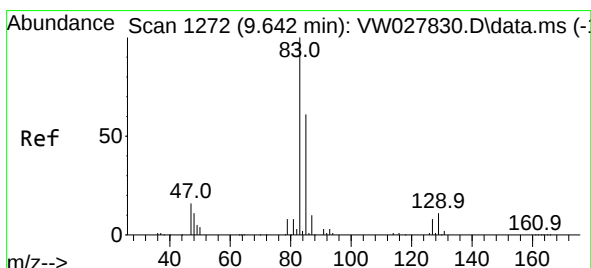
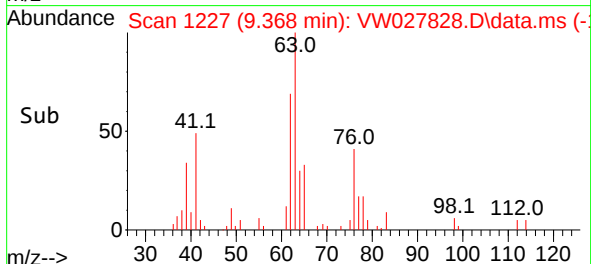
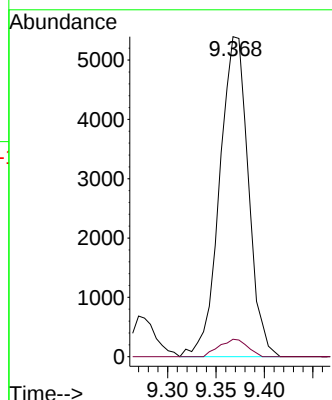
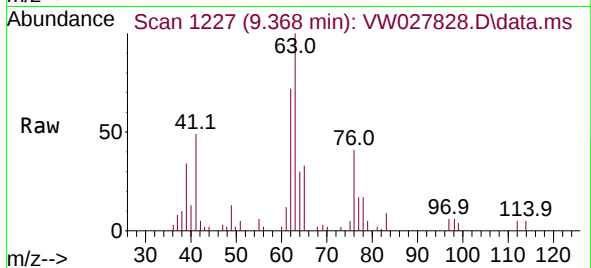
ClientSampleId :

Tgt Ion: 63 Resp: 11147

Ion Ratio Lower Upper

63 100

112 5.3 4.2 6.2



#38

Bromodichloromethane

Concen: 2.541 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

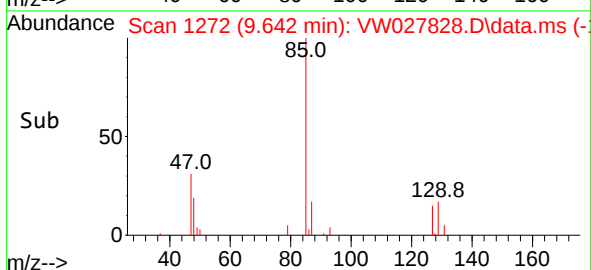
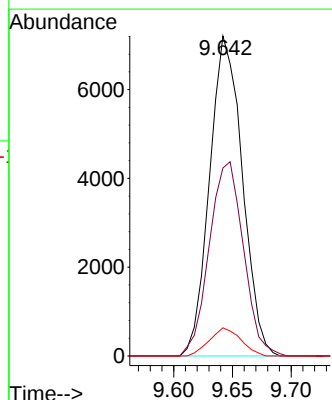
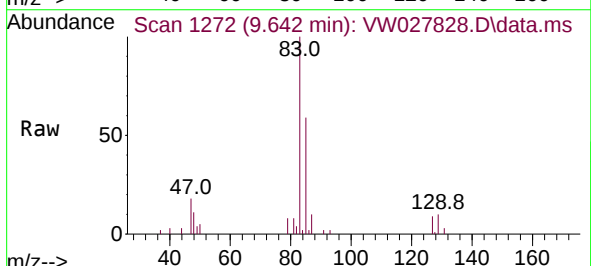
Tgt Ion: 83 Resp: 13969

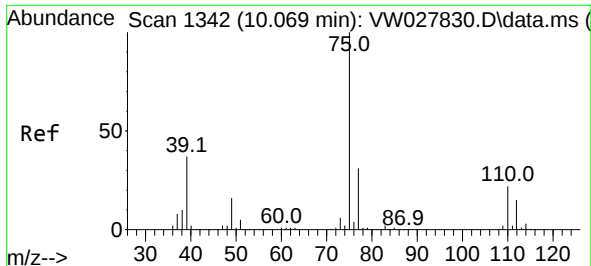
Ion Ratio Lower Upper

83 100

85 58.7 43.0 79.8

127 9.5 6.3 9.5#





#39

cis-1,3-Dichloropropene

Concen: 2.375 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Instrument :

MSVOA\_W

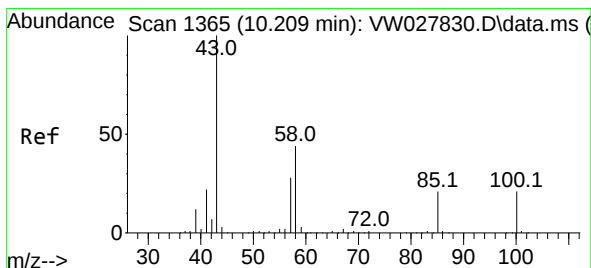
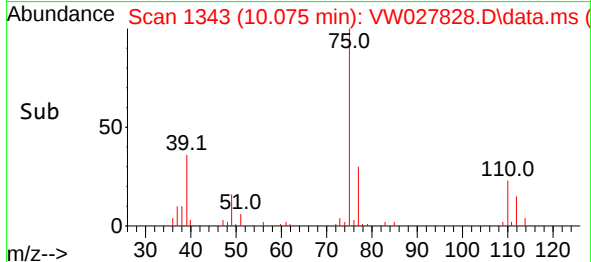
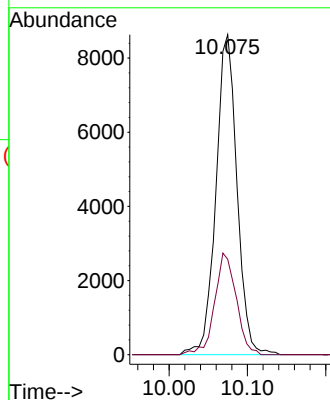
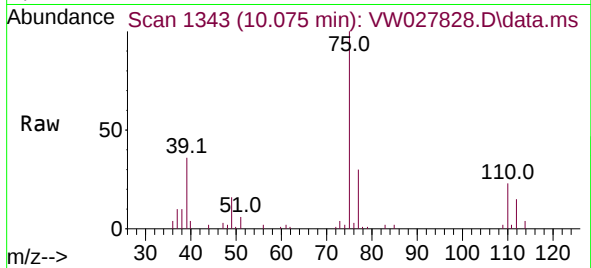
ClientSampleId :

Tgt Ion: 75 Resp: 16168

Ion Ratio Lower Upper

75 100

77 29.8 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 4.864 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

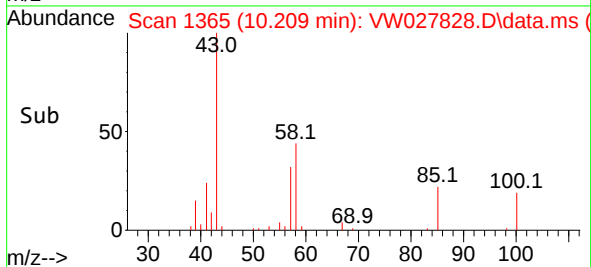
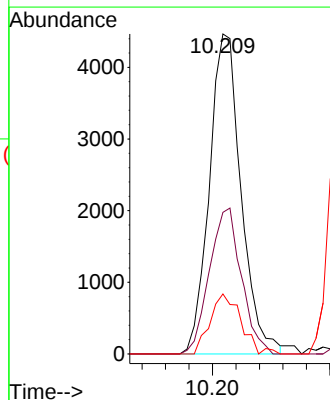
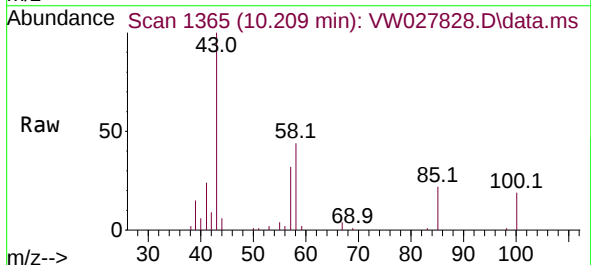
Tgt Ion: 43 Resp: 8375

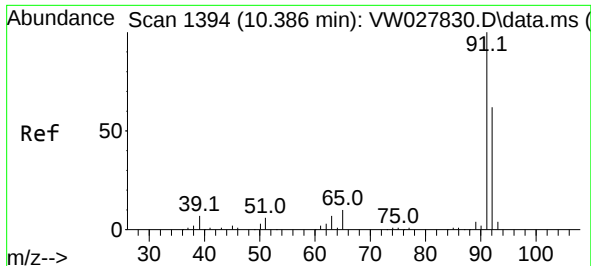
Ion Ratio Lower Upper

43 100

58 45.8 36.9 55.3

100 17.7 16.7 25.1

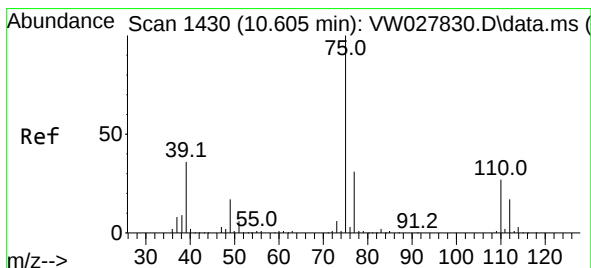
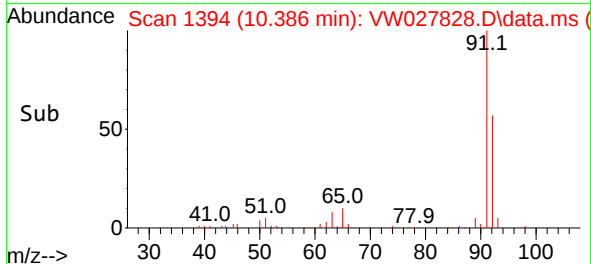
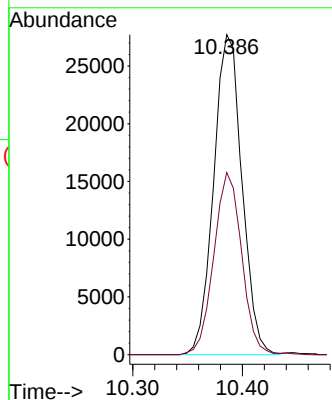
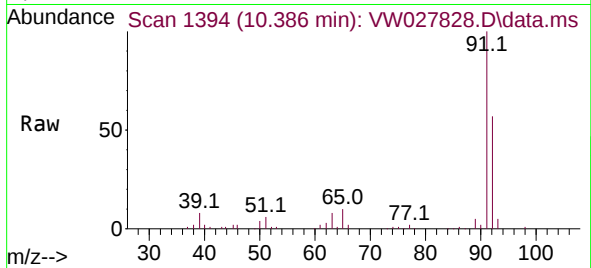




#42  
Toluene  
Concen: 2.489 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

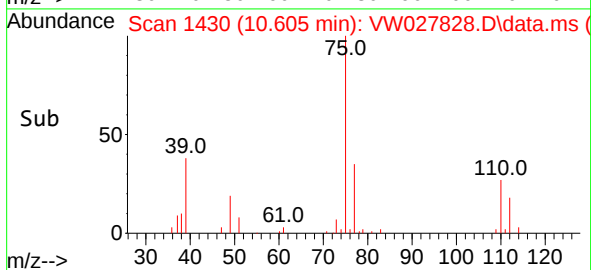
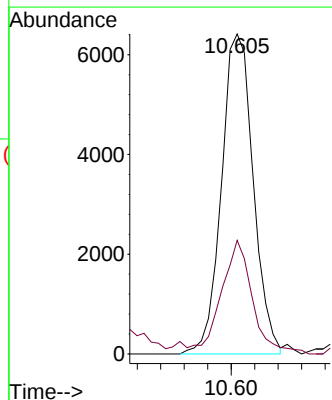
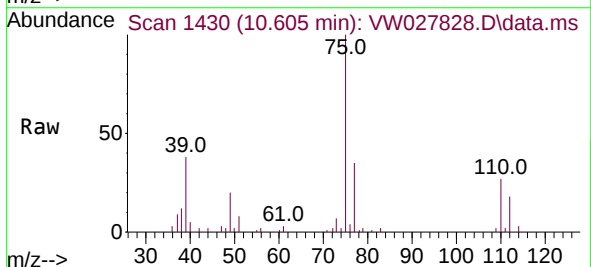
Instrument :  
MSVOA\_W  
ClientSampleId :

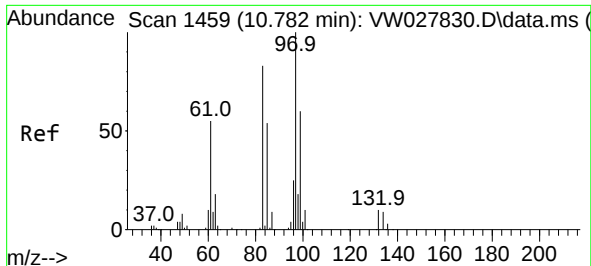
Tgt Ion: 91 Resp: 49759  
Ion Ratio Lower Upper  
91 100  
92 56.9 43.5 80.7



#44  
trans-1,3-Dichloropropene  
Concen: 2.295 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion: 75 Resp: 12038  
Ion Ratio Lower Upper  
75 100  
77 35.5 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 2.531 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 8322

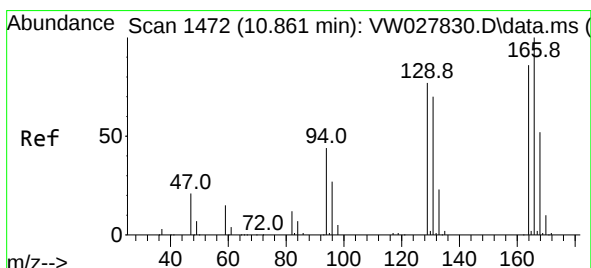
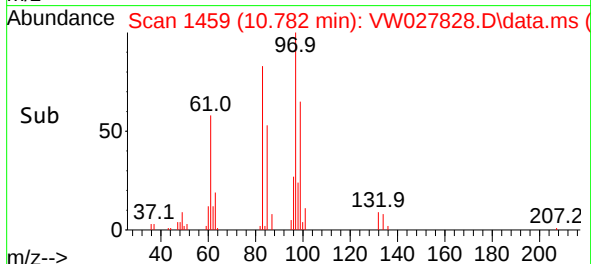
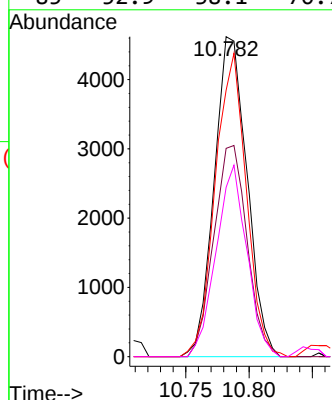
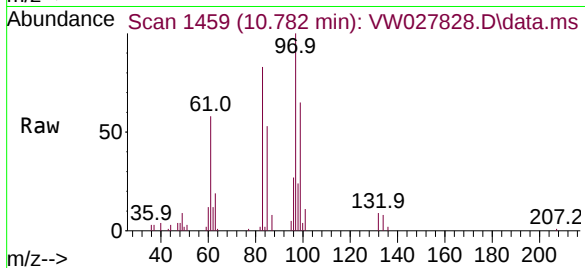
Ion Ratio Lower Upper

97 100

99 65.1 42.1 78.3

83 83.3 58.4 108.4

85 52.9 38.1 70.7



#46

Tetrachloroethene

Concen: 2.584 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Tgt Ion:164 Resp: 10404

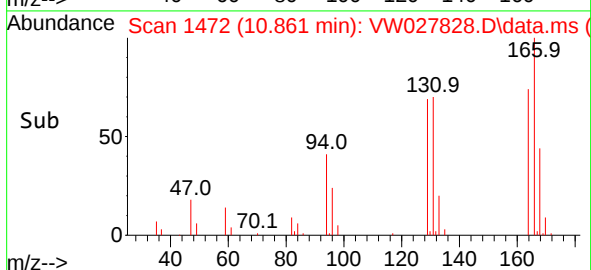
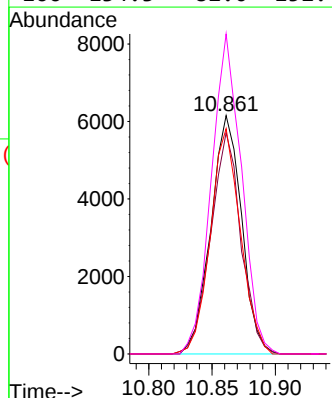
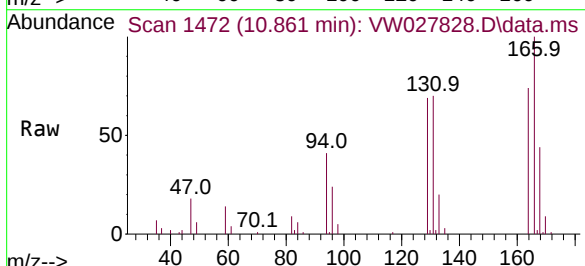
Ion Ratio Lower Upper

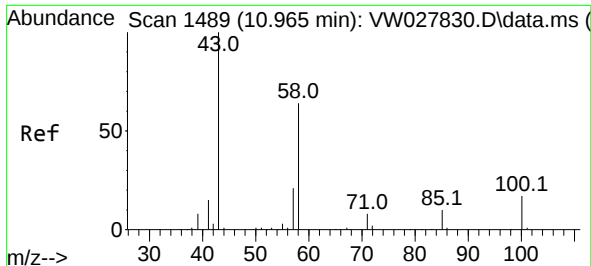
164 100

129 92.9 62.7 116.5

131 94.6 57.3 106.5

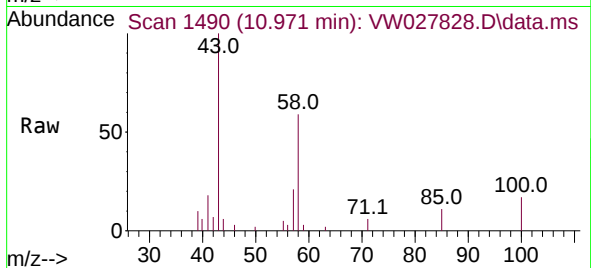
166 134.3 82.0 152.4



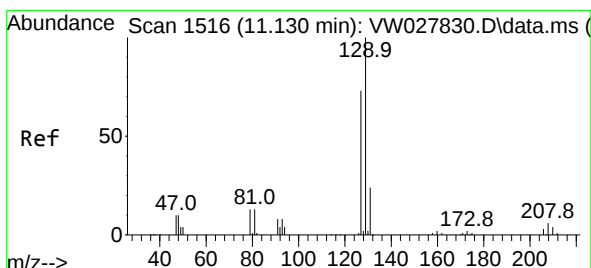
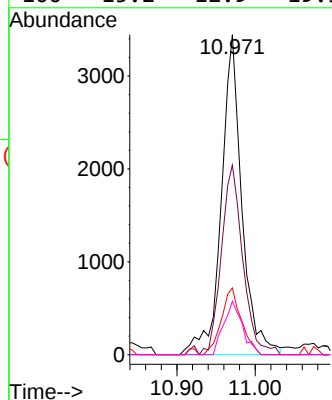
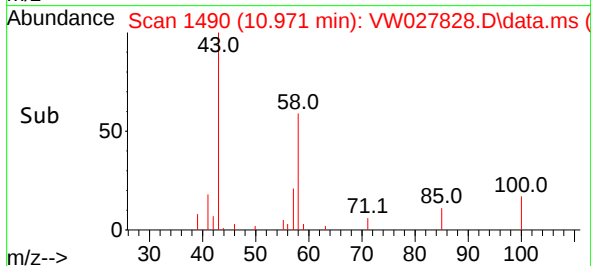


#48  
2-Hexanone  
Concen: 5.004 ug/L  
RT: 10.971 min Scan# 1489  
Delta R.T. 0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Instrument :  
MSVOA\_W  
ClientSampleId :

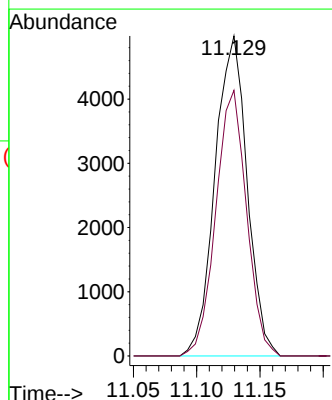
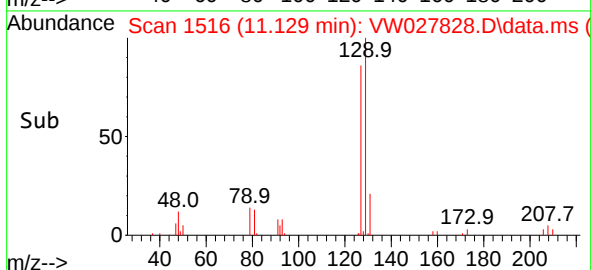
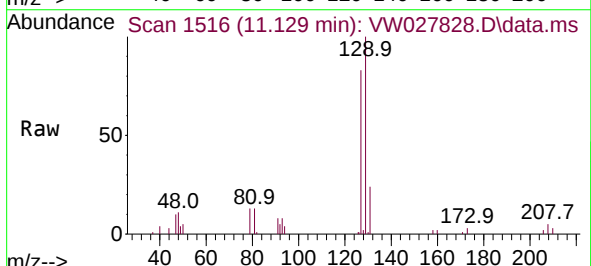


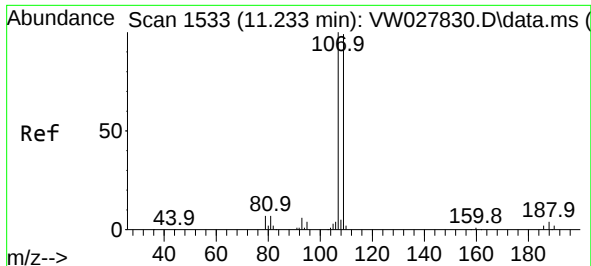
Tgt Ion: 43 Resp: 6303  
Ion Ratio Lower Upper  
43 100  
58 61.1 49.3 73.9  
57 20.2 17.0 25.4  
100 15.2 12.9 19.3



#49  
Dibromochloromethane  
Concen: 2.462 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion: 129 Resp: 8801  
Ion Ratio Lower Upper  
129 100  
127 83.0 51.0 94.6





#50

1,2-Dibromoethane

Concen: 2.435 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

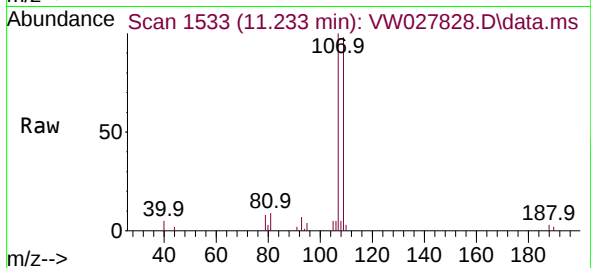
Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

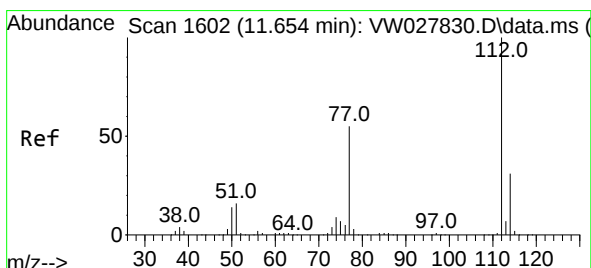
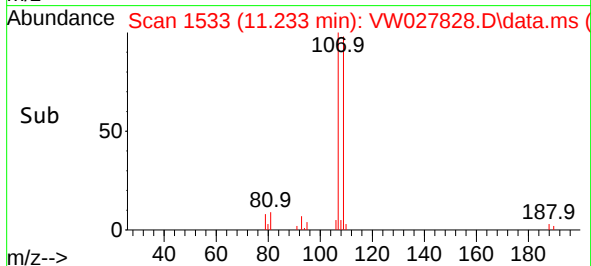
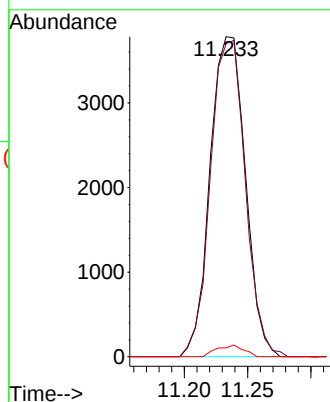
Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 7334  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 97.8  | 69.3  | 128.7 |
| 188      | 2.8   | 3.0   | 4.4#  |



#51

Chlorobenzene

Concen: 2.583 ug/L

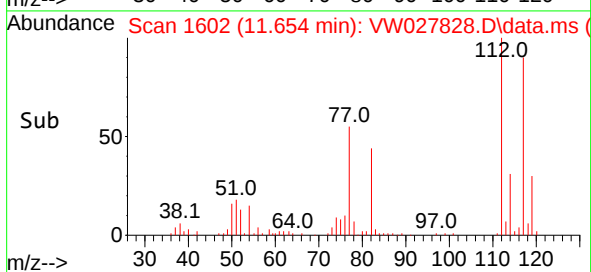
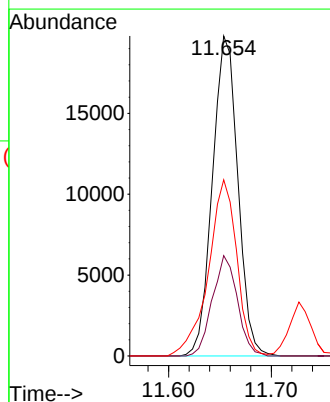
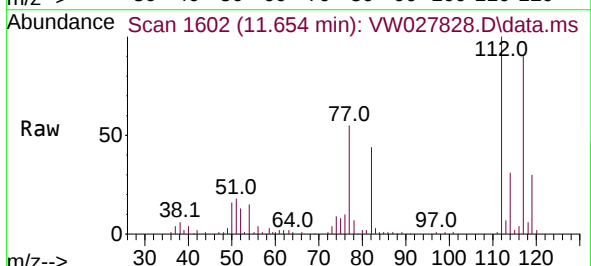
RT: 11.654 min Scan# 1602

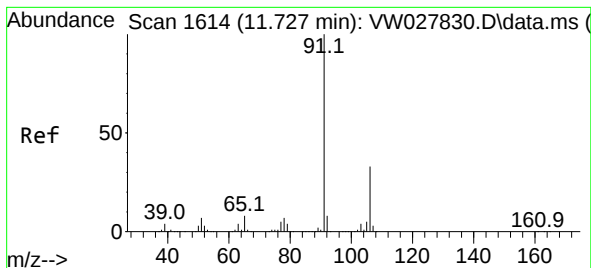
Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 33922 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 31.3  | 21.3  | 39.6  |
| 77       | 55.0  | 44.5  | 66.7  |

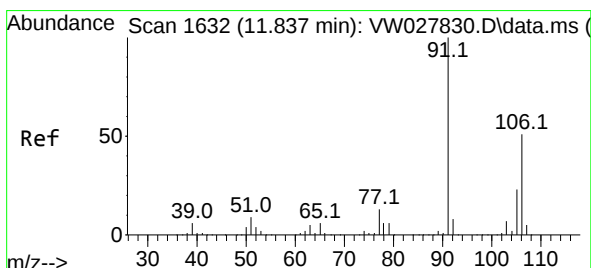
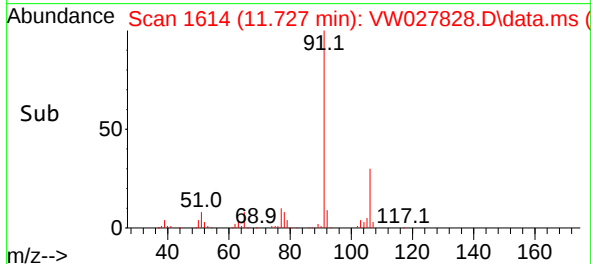
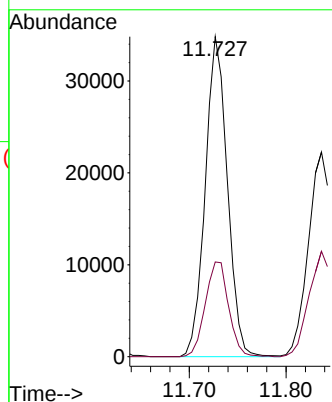
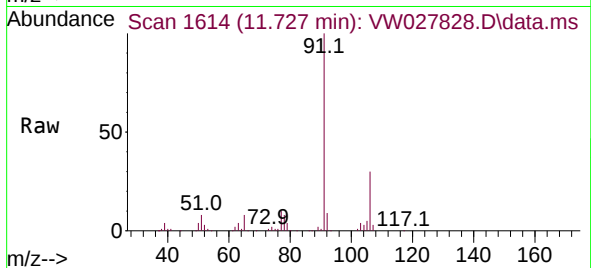




#52  
Ethylbenzene  
Concen: 2.463 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

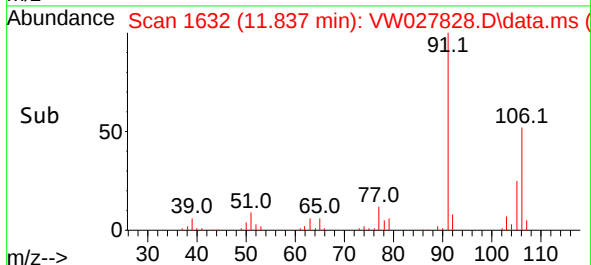
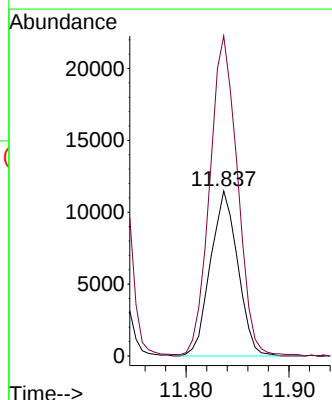
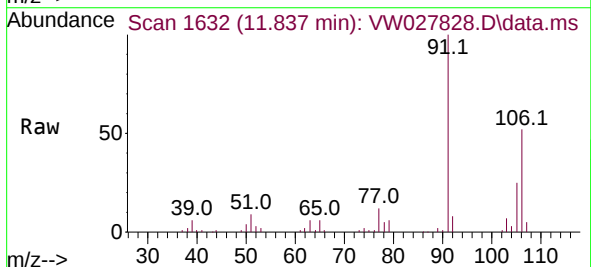
Instrument :  
MSVOA\_W  
ClientSampleId :

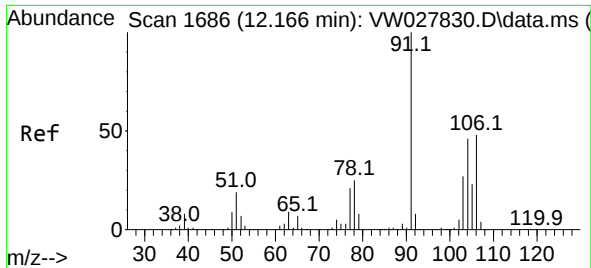
Tgt Ion: 91 Resp: 55427  
Ion Ratio Lower Upper  
91 100  
106 29.6 23.0 42.6



#53  
m,p-Xylene  
Concen: 2.432 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion: 106 Resp: 21186  
Ion Ratio Lower Upper  
106 100  
91 193.9 137.0 254.4

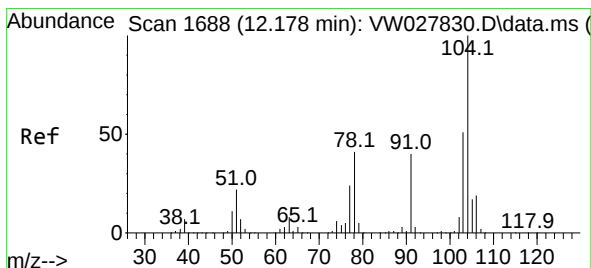
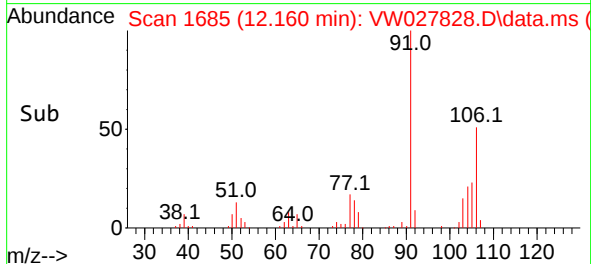
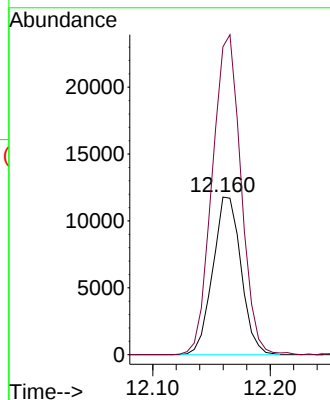
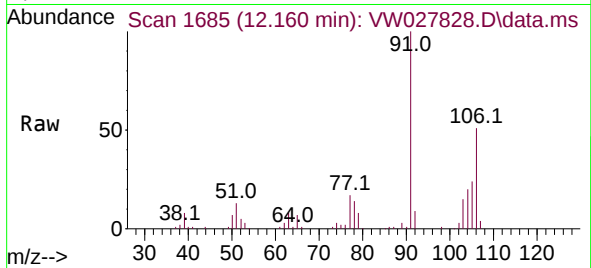




#54  
o-Xylene  
Concen: 2.408 ug/L  
RT: 12.160 min Scan# 1686  
Delta R.T. -0.006 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

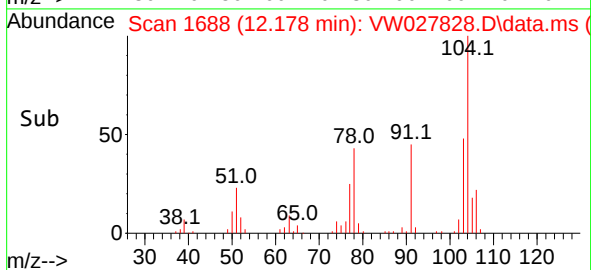
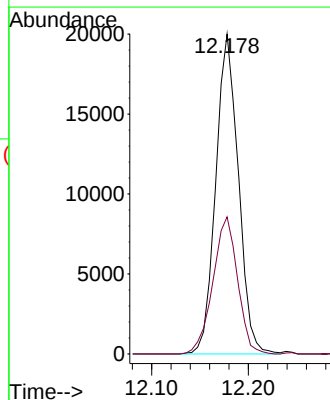
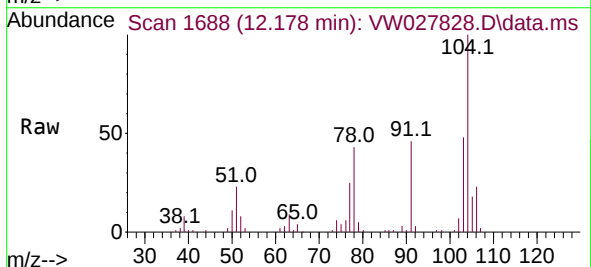
Instrument :  
MSVOA\_W  
ClientSampleId :

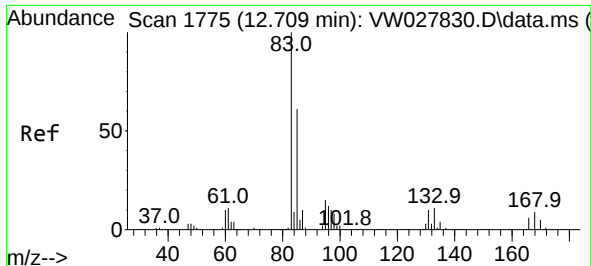
Tgt Ion:106 Resp: 19677  
Ion Ratio Lower Upper  
106 100  
91 195.2 146.4 271.8



#55  
Styrene  
Concen: 2.338 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion:104 Resp: 32413  
Ion Ratio Lower Upper  
104 100  
78 42.9 28.8 53.6





#57

1,1,2,2-Tetrachloroethane

Concen: 2.510 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027828.D

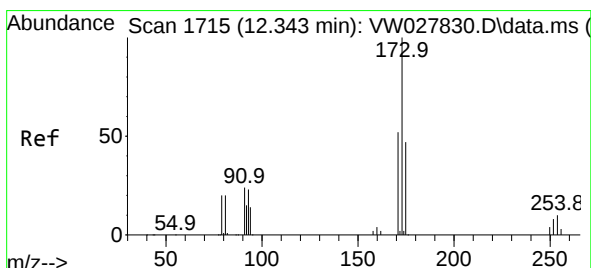
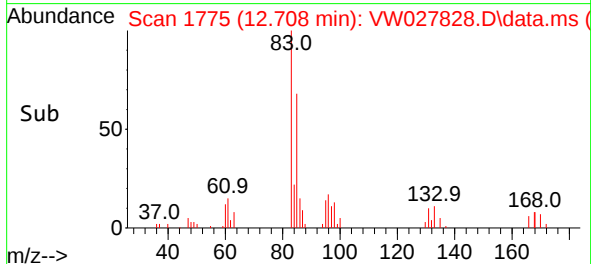
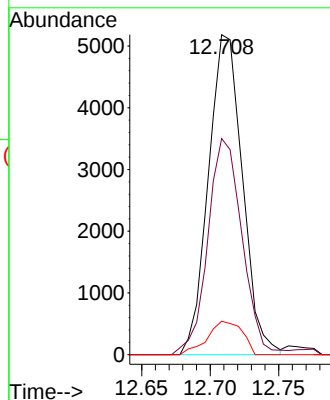
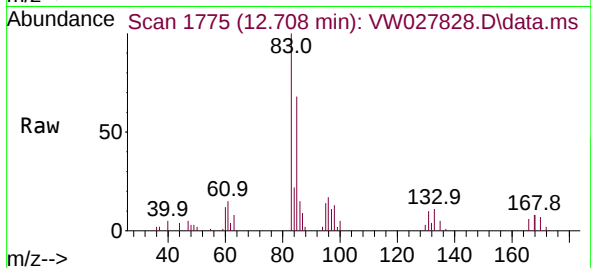
Acq: 08 Jan 2024 13:51

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 8968      |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 67.6  | 43.2 80.2 |
| 131         | 10.5  | 8.2 12.2  |



#59

Bromoform

Concen: 2.509 ug/L

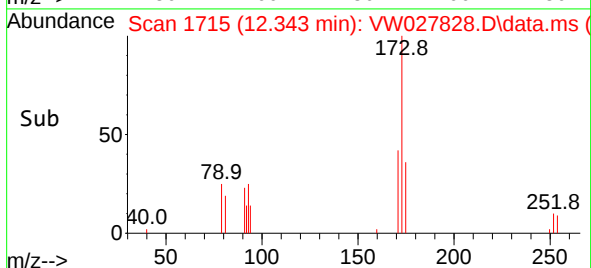
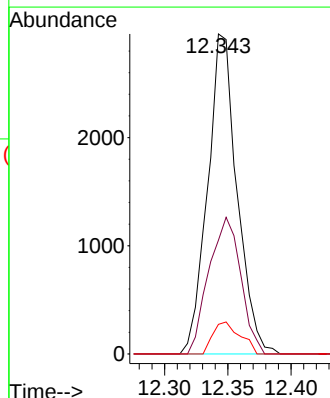
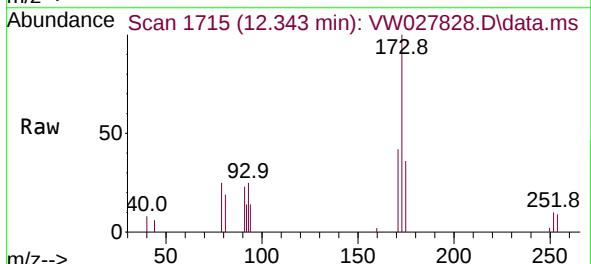
RT: 12.343 min Scan# 1715

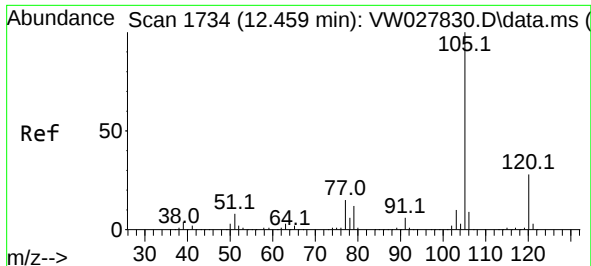
Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

|              |       |           |
|--------------|-------|-----------|
| Tgt Ion: 173 | Resp: | 4791      |
| Ion Ratio    | Lower | Upper     |
| 173          | 100   |           |
| 175          | 46.1  | 35.9 53.9 |
| 254          | 9.2   | 5.1 7.7#  |

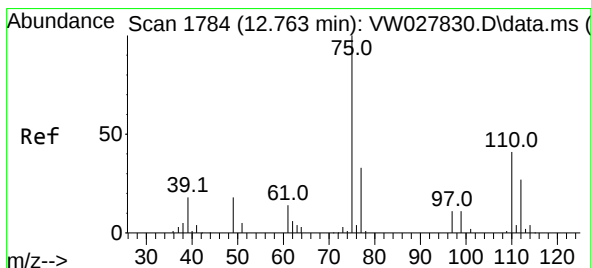
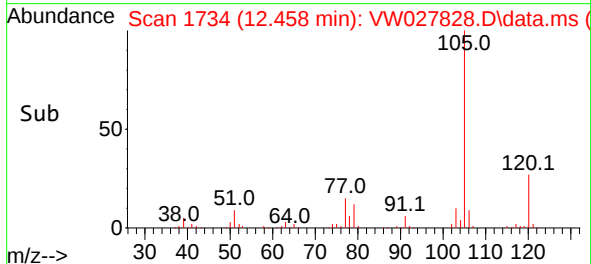
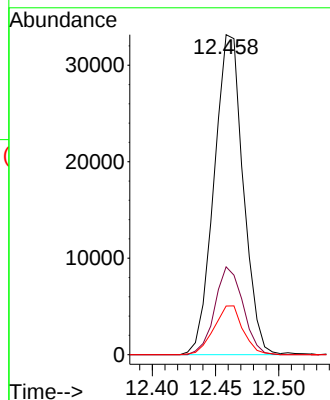
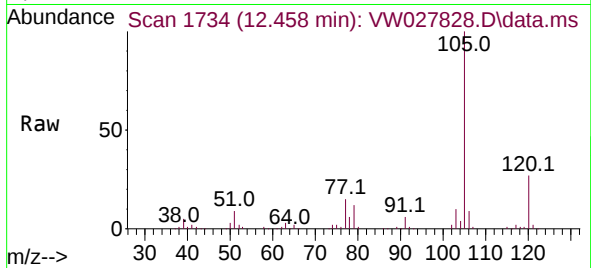




#60  
Isopropylbenzene  
Concen: 2.492 ug/L  
RT: 12.458 min Scan# 1734  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

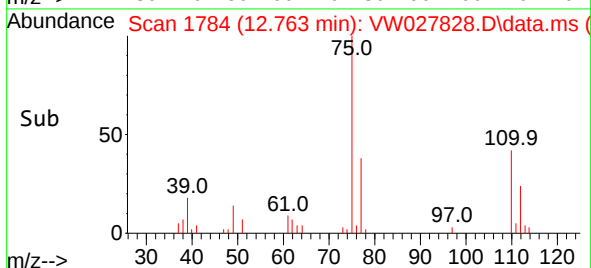
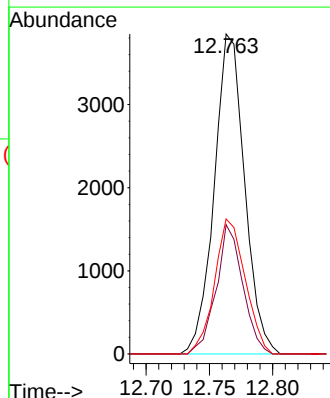
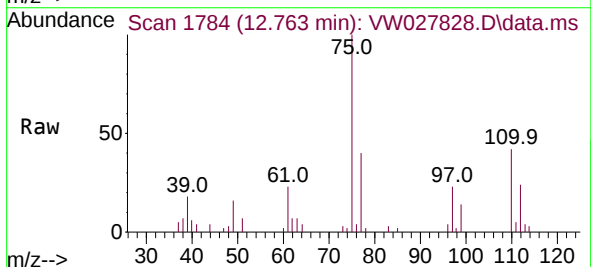
Instrument :  
MSVOA\_W  
ClientSampleId :

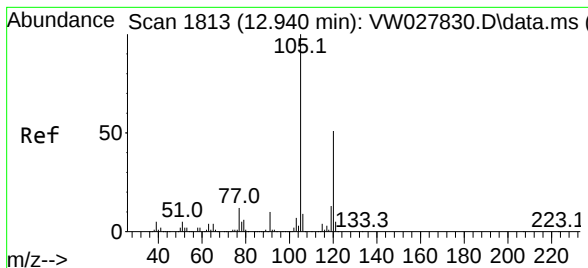
Tgt Ion:105 Resp: 53157  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.9 32.9  
77 15.2 11.8 17.6



#61  
1,2,3-Trichloropropane  
Concen: 2.710 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion: 75 Resp: 6426  
Ion Ratio Lower Upper  
75 100  
77 35.4 26.1 39.1  
110 42.5 33.1 49.7

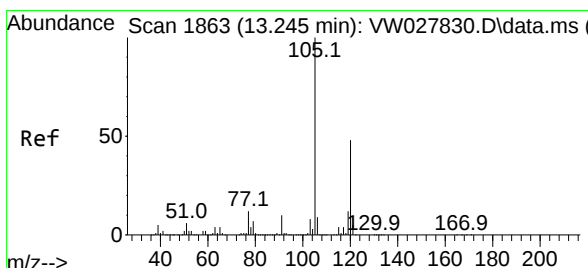
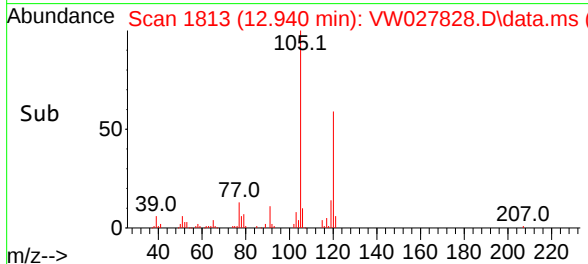
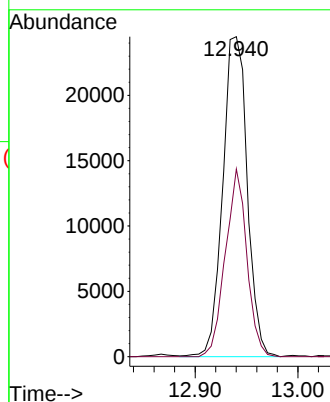
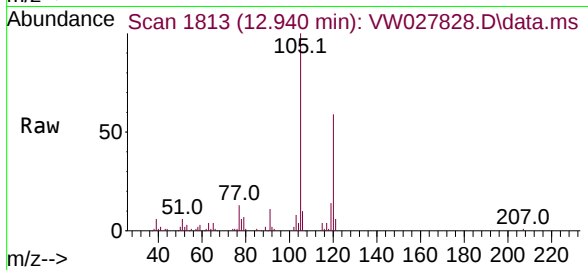




#62  
1,3,5-Trimethylbenzene  
Concen: 2.396 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

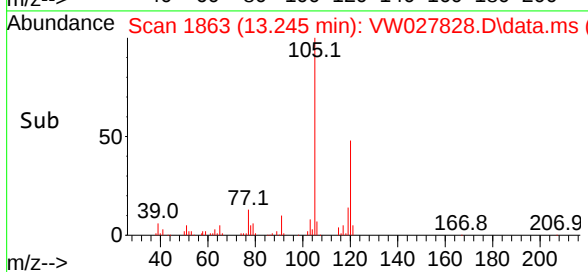
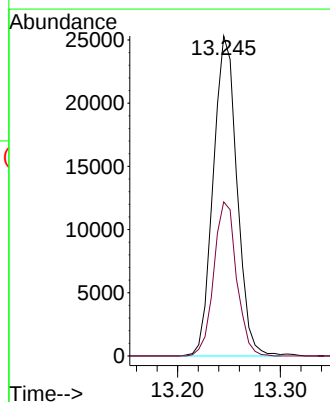
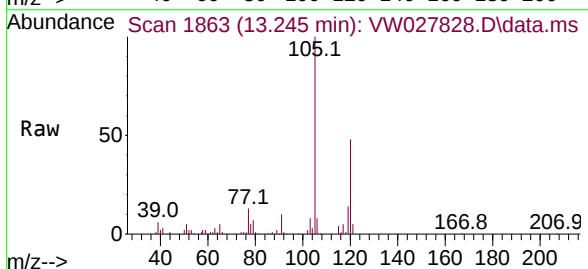
Instrument :  
MSVOA\_W  
ClientSampleId :

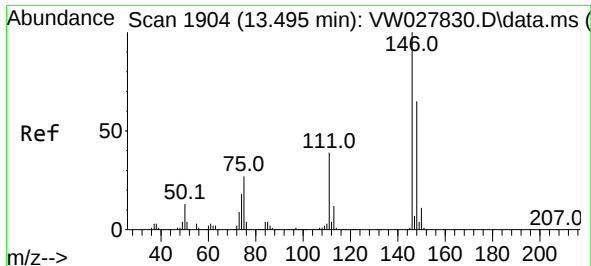
Tgt Ion:105 Resp: 40584  
Ion Ratio Lower Upper  
105 100  
120 51.3 41.2 61.8



#63  
1,2,4-Trimethylbenzene  
Concen: 2.401 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion:105 Resp: 40566  
Ion Ratio Lower Upper  
105 100  
120 46.2 38.2 57.2

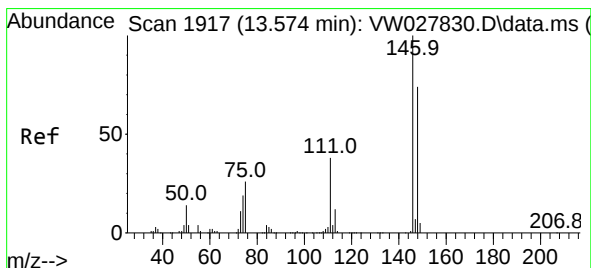
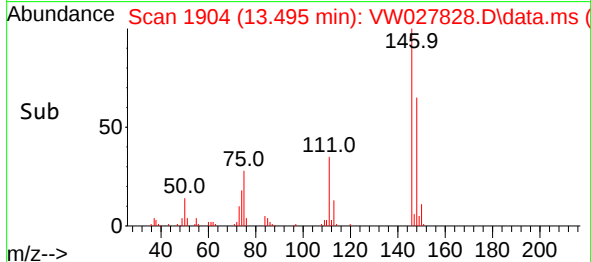
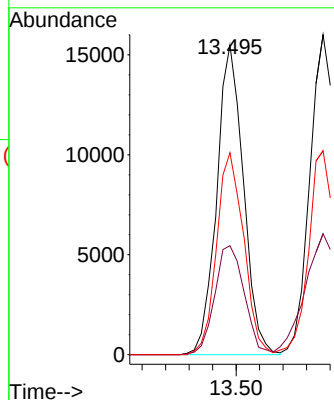
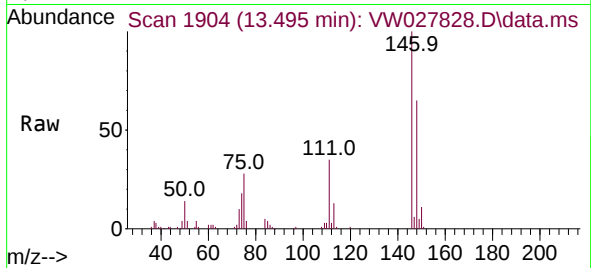




#64  
1,3-Dichlorobenzene  
Concen: 2.532 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

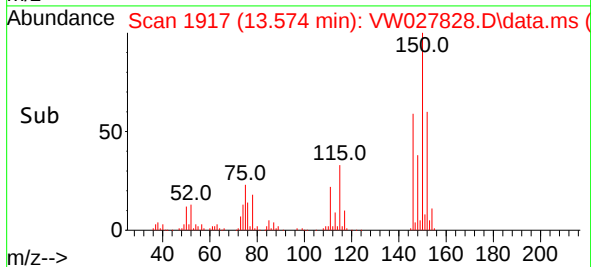
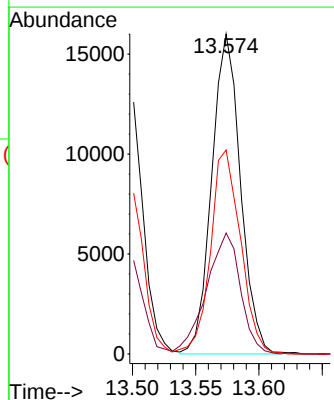
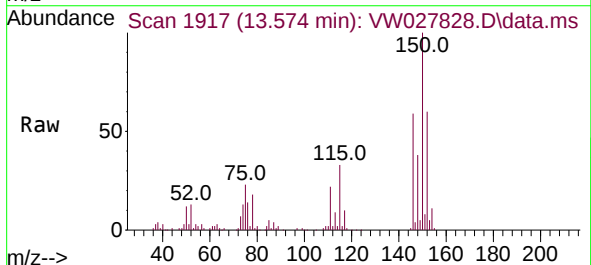
Instrument :  
MSVOA\_W  
ClientSampleId :

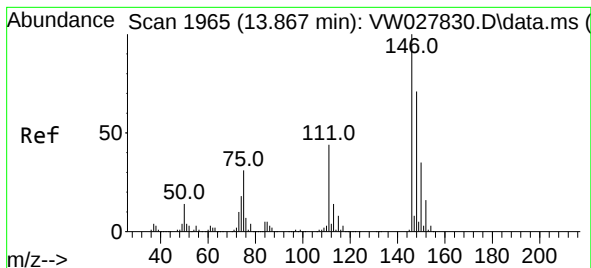
Tgt Ion:146 Resp: 24489  
Ion Ratio Lower Upper  
146 100  
111 35.2 27.2 50.6  
148 65.2 45.5 84.5



#65  
1,4-Dichlorobenzene  
Concen: 2.657 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

Tgt Ion:146 Resp: 25311  
Ion Ratio Lower Upper  
146 100  
111 37.8 26.6 49.4  
148 63.8 52.1 96.7

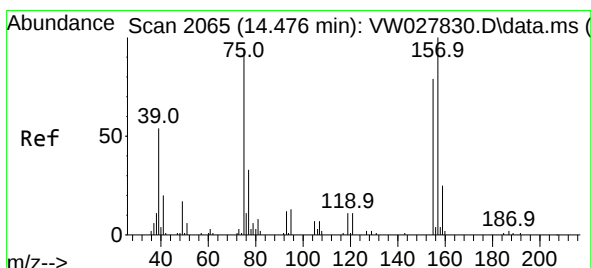
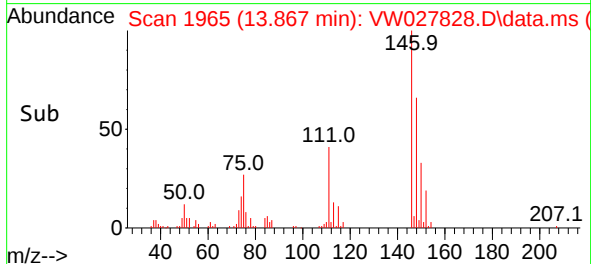
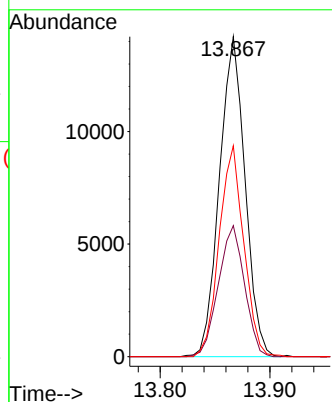
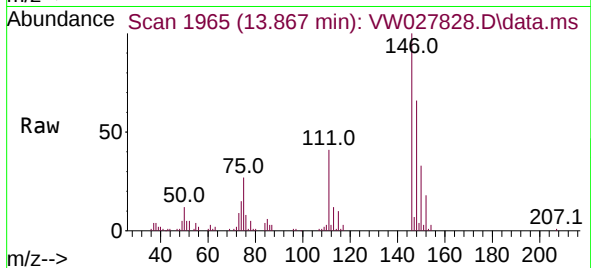




#67  
1,2-Dichlorobenzene  
Concen: 2.739 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

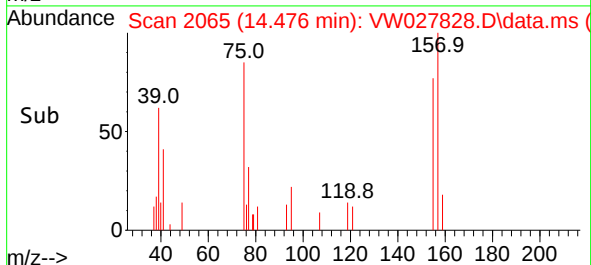
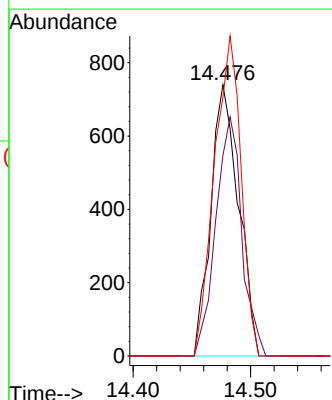
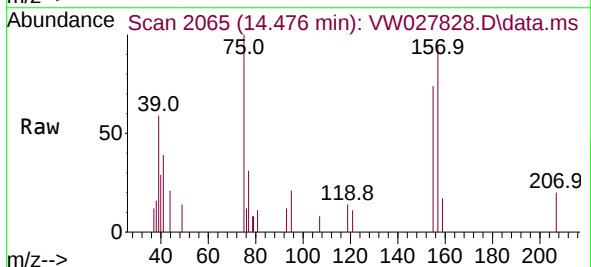
Instrument :  
MSVOA\_W  
ClientSampleId :

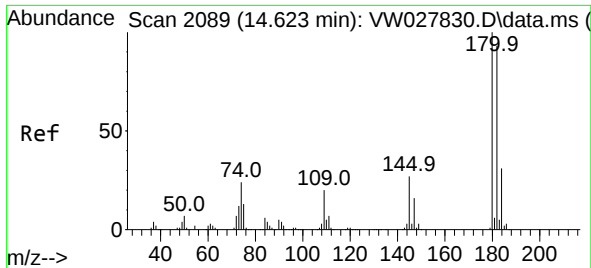
Tgt Ion:146 Resp: 23085  
Ion Ratio Lower Upper  
146 100  
111 41.0 34.9 52.3  
148 65.9 56.6 84.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.652 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VW027828.D  
Acq: 08 Jan 2024 13:51

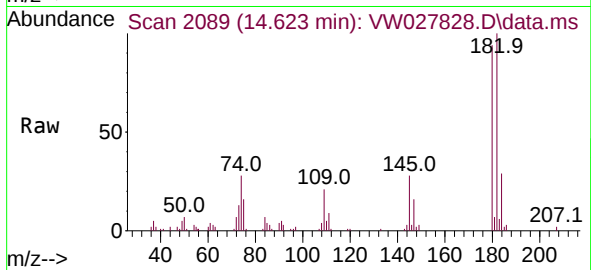
Tgt Ion: 75 Resp: 1209  
Ion Ratio Lower Upper  
75 100  
155 73.9 67.8 101.8  
157 95.4 85.4 128.0



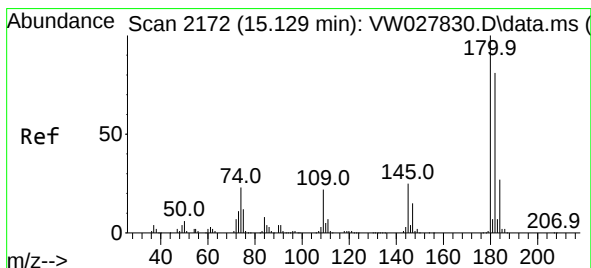
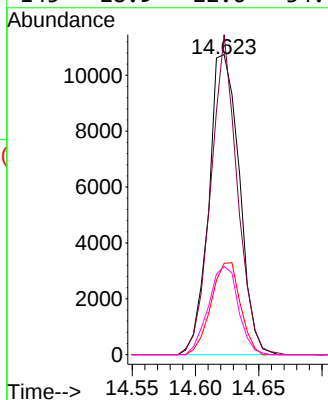
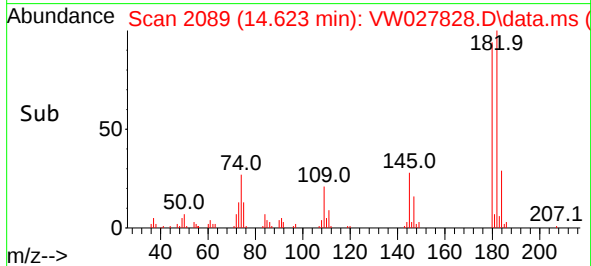


#69  
 1,3,5-Trichlorobenzene  
 Concen: 2.669 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. -0.000 min  
 Lab File: VW027828.D  
 Acq: 08 Jan 2024 13:51

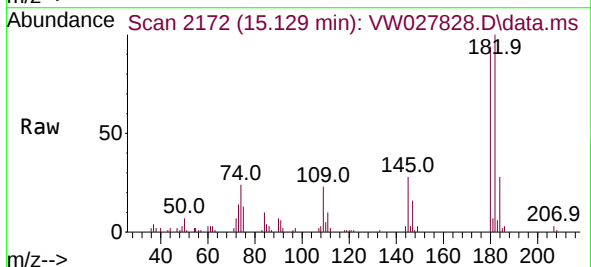
Instrument :  
 MSVOA\_W  
 ClientSampleId :



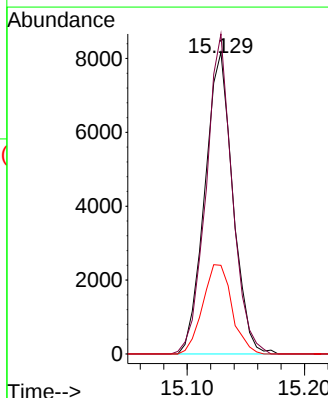
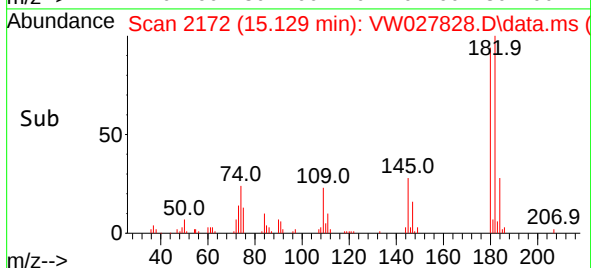
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 18024 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.7  | 72.6  | 109.0 |
| 184       | 29.3  | 22.7  | 34.1  |
| 145       | 28.9  | 22.6  | 34.0  |

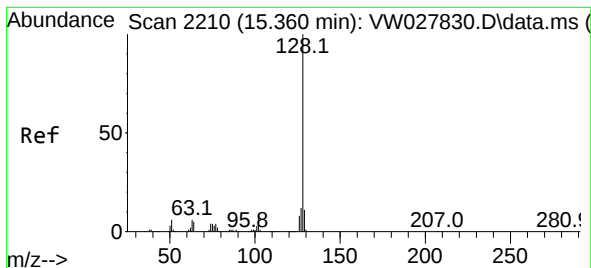


#70  
 1,2,4-trichlorobenzene  
 Concen: 2.466 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. -0.000 min  
 Lab File: VW027828.D  
 Acq: 08 Jan 2024 13:51



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 13495 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 99.4  | 69.4  | 104.2 |
| 145       | 30.9  | 23.4  | 35.2  |





#71

Naphthalene

Concen: 2.459 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Instrument :

MSVOA\_W

ClientSampleId :

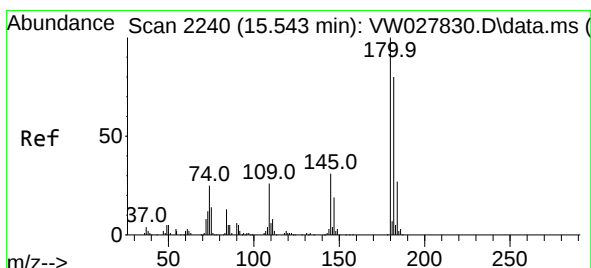
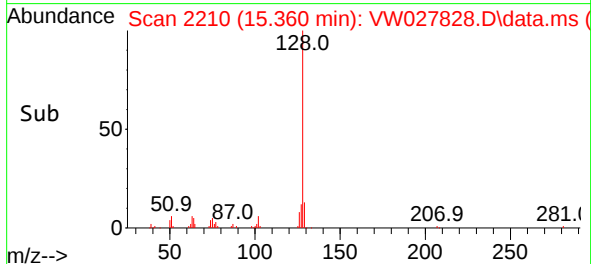
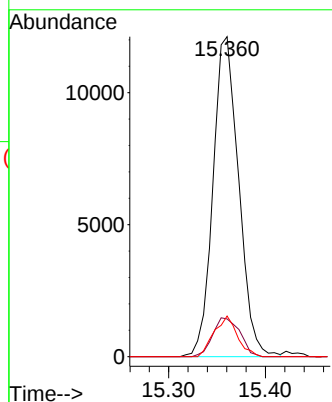
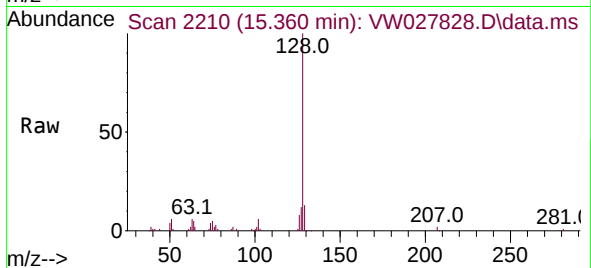
Tgt Ion:128 Resp: 22398

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.5 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 2.621 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW027828.D

Acq: 08 Jan 2024 13:51

Tgt Ion:180 Resp: 12124

Ion Ratio Lower Upper

180 100

182 99.2 74.7 112.1

145 32.1 25.0 37.6

