

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW050123\  
 Data File : VW025786.D  
 Acq On : 01 May 2023 18:29  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: May 02 01:43:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue May 02 01:41:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.843     | 114   | 611462   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.629    | 117   | 561172   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556    | 152   | 271200   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.369     | 65    | 245036   | 28.279   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 113.120% |          |
| 7) Chloroethane-d5            | 2.899     | 69    | 184378   | 28.702   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 114.800% |          |
| 11) 1,1-Dichloroethene-d2     | 4.027     | 65    | 114665   | 26.428   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 105.720% |          |
| 21) 2-Butanone-d5             | 7.075     | 46    | 148359   | 51.792   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 103.580% |          |
| 24) Chloroform-d              | 7.648     | 84    | 479832   | 27.214   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 108.840% |          |
| 26) 1,2-Dichloroethane-d4     | 8.307     | 65    | 269892   | 27.070   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 108.280% |          |
| 32) Benzene-d6                | 8.276     | 84    | 991992   | 27.053   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 108.200% |          |
| 36) 1,2-Dichloropropane-d6    | 9.276     | 67    | 313537   | 26.725   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 106.880% |          |
| 41) Toluene-d8                | 10.324    | 98    | 887997   | 27.158   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 108.640% |          |
| 43) trans-1,3-Dichloroprop... | 10.574    | 79    | 121616   | 25.573   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 102.280% |          |
| 47) 2-Hexanone-d5             | 10.922    | 63    | 105545   | 52.758   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 105.520% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690    | 84    | 233209   | 26.080   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 104.320% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848    | 152   | 267187   | 27.026   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 108.120% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.015     | 85    | 141709   | 20.744   | ug/L       | 97       |
| 3) Chloromethane              | 2.222     | 50    | 264764   | 26.286   | ug/L       | 100      |
| 5) Vinyl chloride             | 2.375     | 62    | 267672   | 25.675   | ug/L       | 100      |
| 6) Bromomethane               | 2.789     | 94    | 144274   | 25.443   | ug/L       | 97       |
| 8) Chloroethane               | 2.929     | 64    | 153114   | 25.828   | ug/L       | 99       |
| 9) Trichlorofluoromethane     | 3.265     | 101   | 177684   | 22.583   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076     | 101   | 199013   | 23.258   | ug/L       | 93       |
| 12) 1,1-Dichloroethene        | 4.051     | 96    | 203995   | 24.945   | ug/L       | 95       |
| 13) Acetone                   | 4.118     | 43    | 102584   | 40.388   | ug/L       | 97       |
| 14) Carbon disulfide          | 4.393     | 76    | 697179   | 25.210   | ug/L       | 100      |
| 15) Methyl Acetate            | 4.667     | 43    | 124972   | 24.968   | ug/L       | 99       |
| 16) Methylene chloride        | 4.923     | 84    | 268950   | 21.328   | ug/L       | 95       |
| 17) trans-1,2-Dichloroethene  | 5.423     | 96    | 225382   | 25.263   | ug/L       | 95       |
| 18) Methyl tert-butyl Ether   | 5.423     | 73    | 344885   | 25.471   | ug/L       | 100      |
| 19) 1,1-Dichloroethane        | 6.215     | 63    | 468142   | 25.541   | ug/L       | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173     | 96    | 244063   | 25.500   | ug/L       | 99       |
| 22) 2-Butanone                | 7.173     | 43    | 163137   | 46.515   | ug/L       | 99       |
| 23) Bromochloromethane        | 7.514     | 128   | 103418   | 25.506   | ug/L       | 97       |
| 25) Chloroform                | 7.679     | 83    | 435034   | 25.824   | ug/L       | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

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 Quant Title : SFAM01.0  
 QLast Update : Tue May 02 01:41:17 2023  
 Response via : Initial Calibration

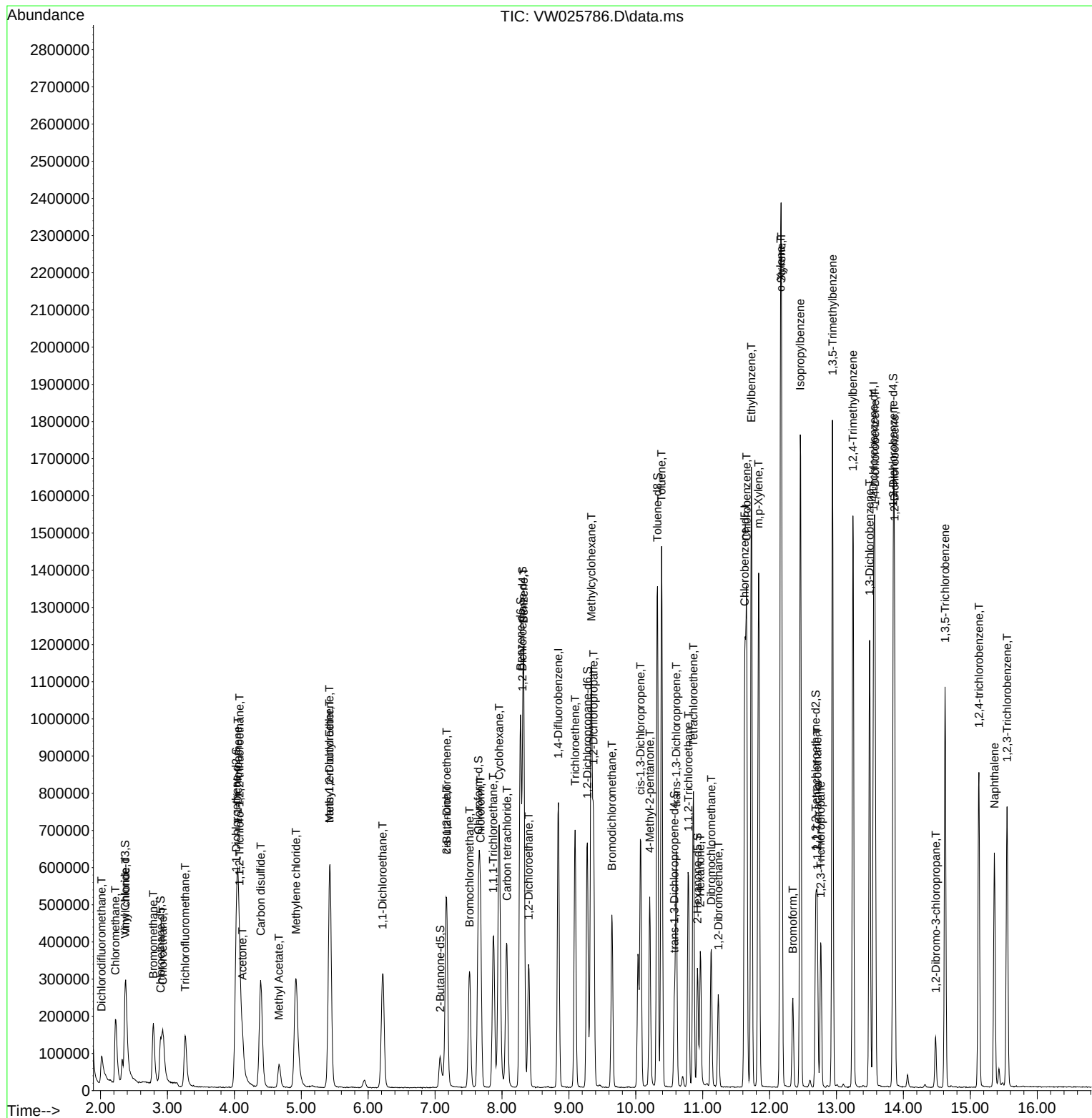
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|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 303345   | 25.355 | ug/L  | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 425894   | 24.490 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 334350   | 24.362 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 295219   | 23.903 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 979413   | 25.227 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 243039   | 24.395 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 429460   | 24.237 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 266031   | 25.010 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 305017   | 24.994 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 388276   | 24.891 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 349670   | 50.503 | ug/L  | 99       |
| 42) Toluene                   | 10.385 | 91   | 1004460  | 25.320 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 320011   | 24.758 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 179678   | 25.252 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 168300   | 24.012 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.965 | 43   | 246202   | 49.637 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 184139   | 24.997 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 166941   | 25.450 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.653 | 112  | 631379   | 25.691 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 1121619  | 25.135 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.836 | 106  | 423378   | 25.778 | ug/L  | 93       |
| 54) o-Xylene                  | 12.166 | 106  | 394369   | 25.475 | ug/L  | 96       |
| 55) Styrene                   | 12.178 | 104  | 692500   | 26.136 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 222752   | 25.089 | ug/L  | 96       |
| 59) Bromoform                 | 12.349 | 173  | 103804   | 25.841 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1091601  | 26.480 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 163338   | 25.484 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 896707   | 27.463 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 807677   | 26.806 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 453178   | 25.537 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 465924   | 25.987 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 414403   | 26.184 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 35069    | 23.596 | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 295277   | 25.067 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 255120   | 25.852 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 500411   | 26.866 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 229068   | 26.160 | ug/L  | 98       |

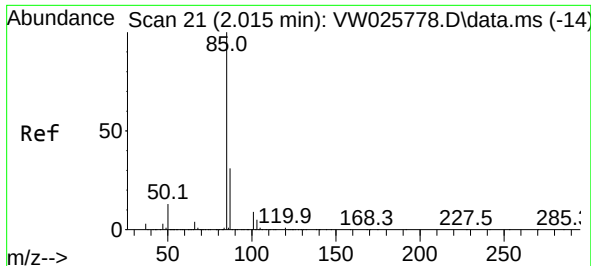
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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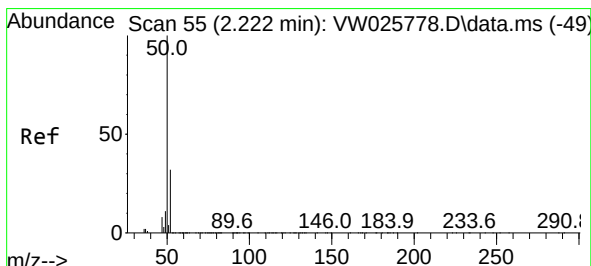
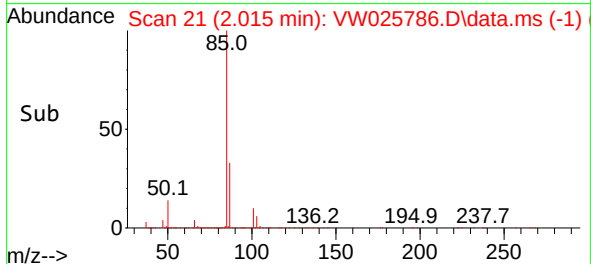
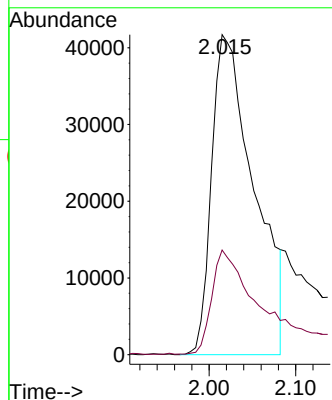
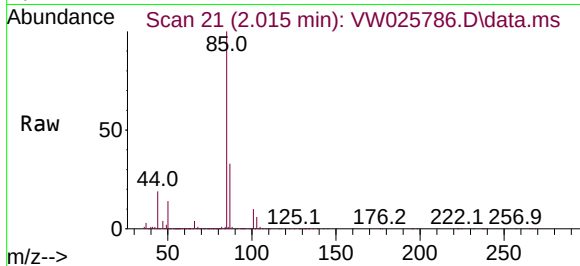




#2  
Dichlorodifluoromethane  
Concen: 20.744 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

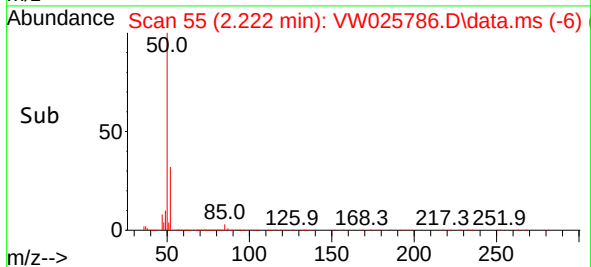
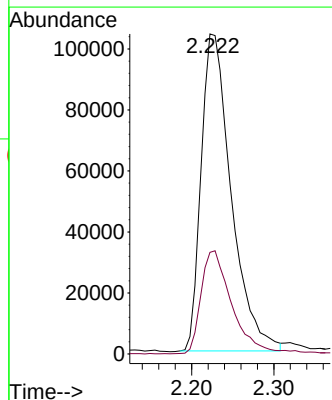
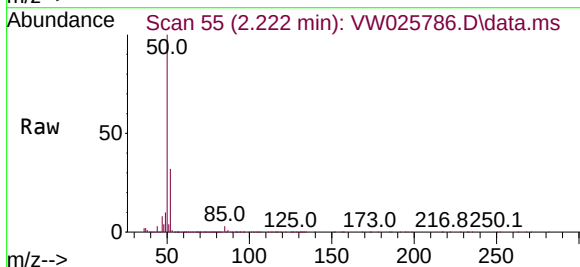
Instrument :  
MSVOA\_W  
ClientSampleId :

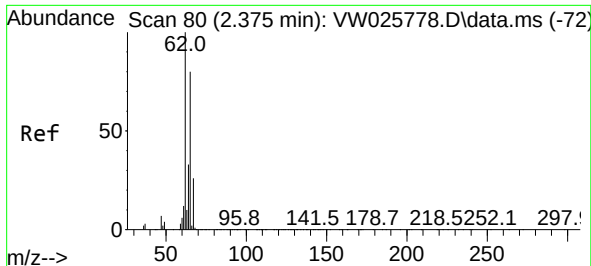
Tgt Ion: 85 Resp: 141709  
Ion Ratio Lower Upper  
85 100  
87 29.3 24.7 37.1



#3  
Chloromethane  
Concen: 26.286 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 50 Resp: 264764  
Ion Ratio Lower Upper  
50 100  
52 31.8 22.1 41.1

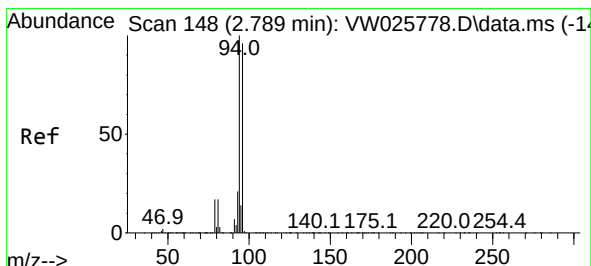
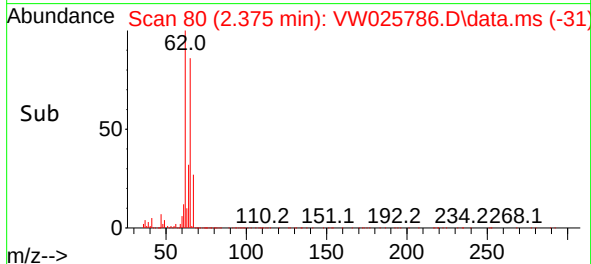
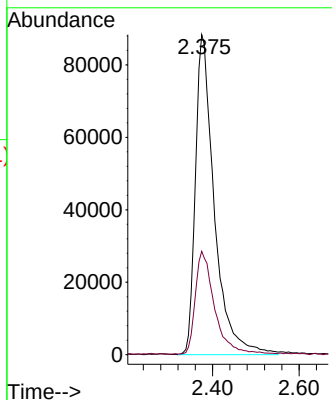
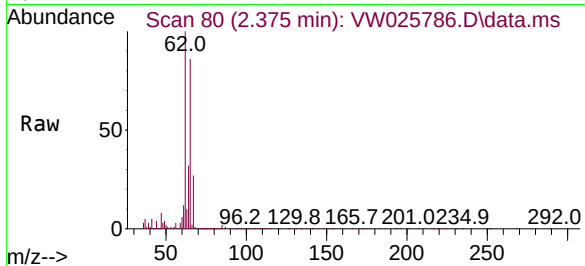




#5  
 Vinyl chloride  
 Concen: 25.675 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW025786.D  
 Acq: 01 May 2023 18:29

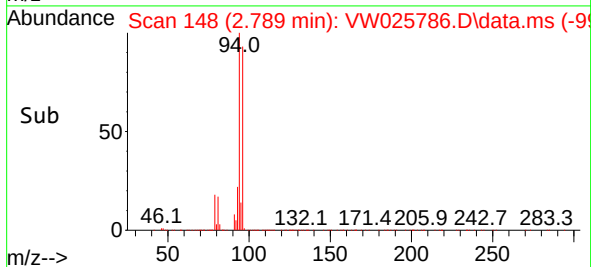
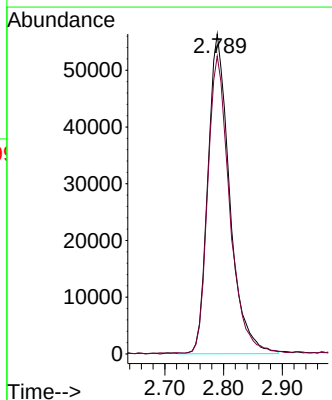
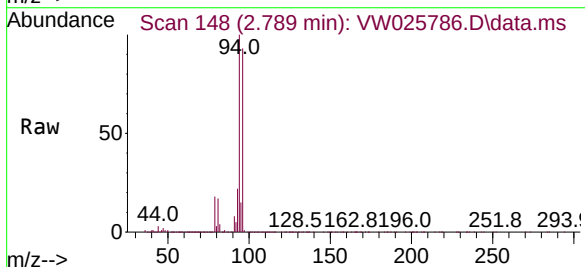
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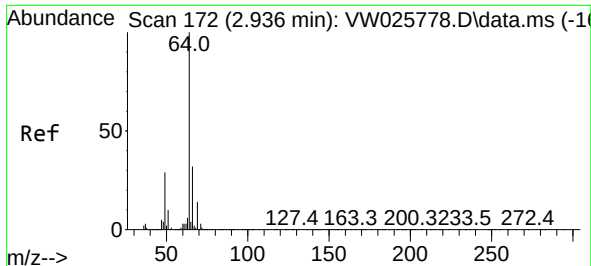
Tgt Ion: 62 Resp: 267672  
 Ion Ratio Lower Upper  
 62 100  
 64 32.3 22.7 42.3



#6  
 Bromomethane  
 Concen: 25.443 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW025786.D  
 Acq: 01 May 2023 18:29

Tgt Ion: 94 Resp: 144274  
 Ion Ratio Lower Upper  
 94 100  
 96 93.1 63.1 117.1

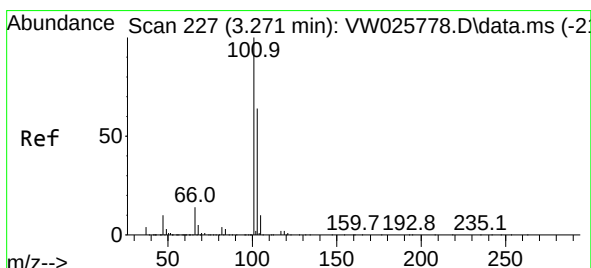
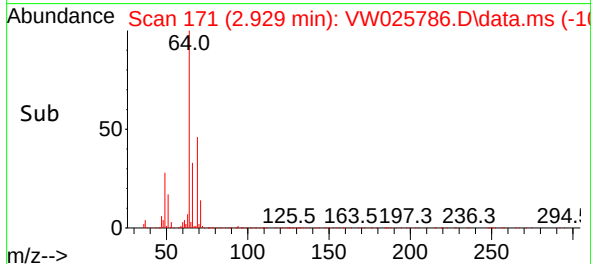
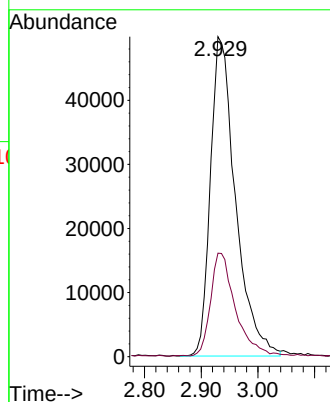
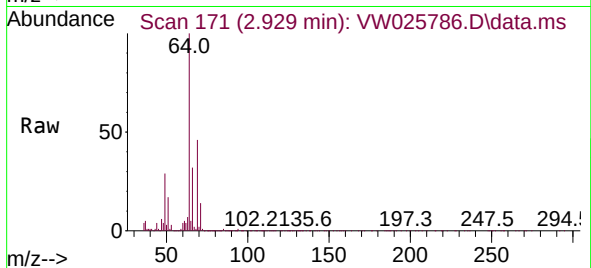




#8  
Chloroethane  
Concen: 25.828 ug/L  
RT: 2.929 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

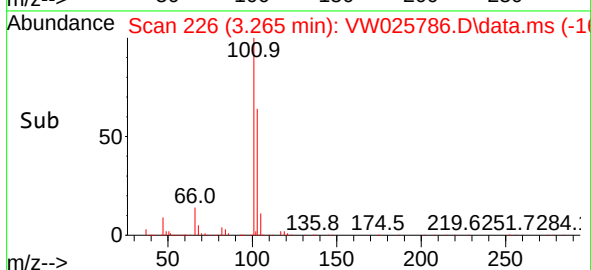
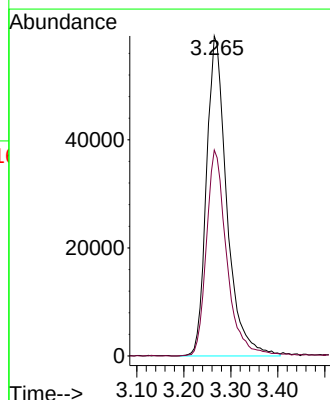
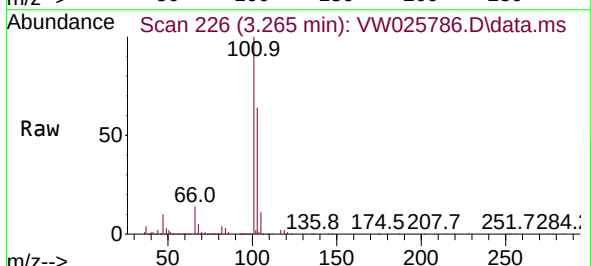
Instrument :  
MSVOA\_W  
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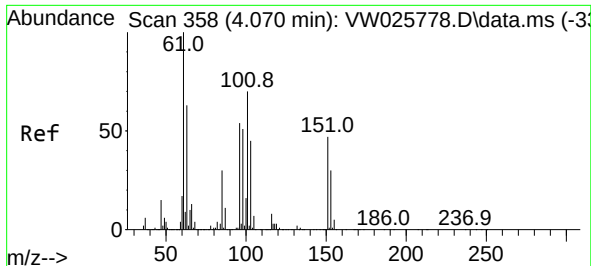
Tgt Ion: 64 Resp: 153114  
Ion Ratio Lower Upper  
64 100  
66 32.4 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 22.583 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 101 Resp: 177684  
Ion Ratio Lower Upper  
101 100  
103 64.1 50.6 76.0

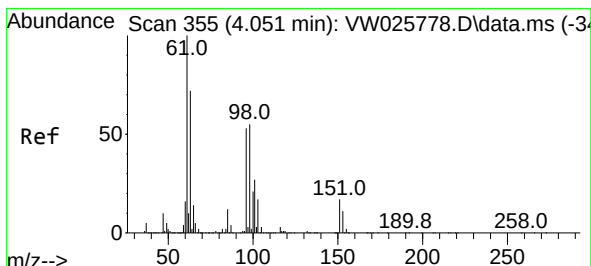
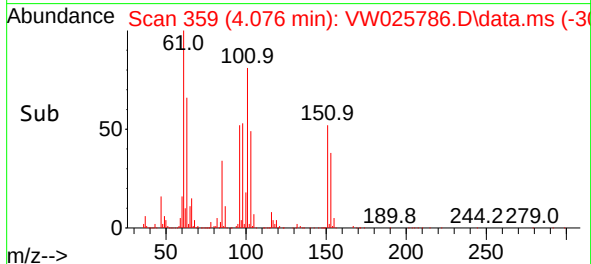
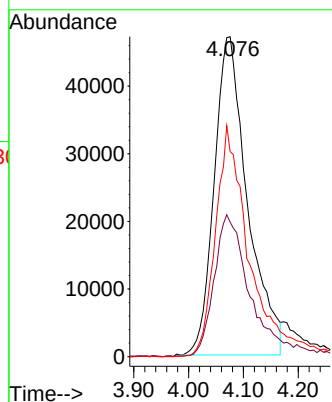
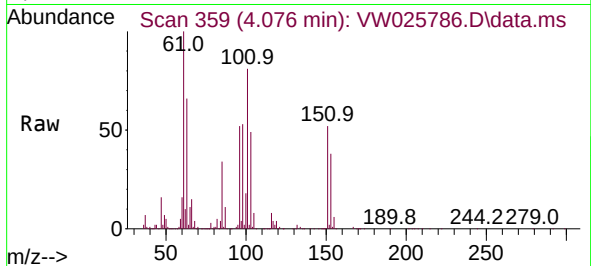




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.258 ug/L  
 RT: 4.076 min Scan# 358  
 Delta R.T. 0.006 min  
 Lab File: VW025786.D  
 Acq: 01 May 2023 18:29

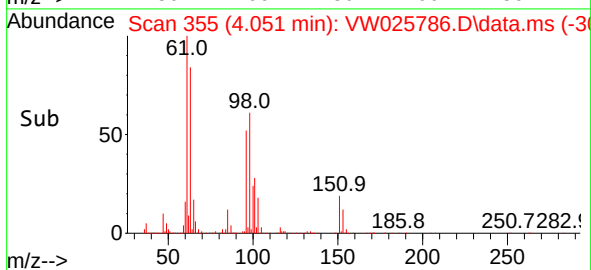
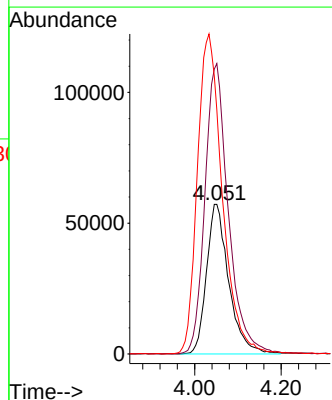
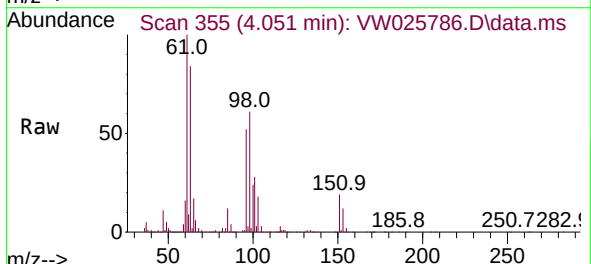
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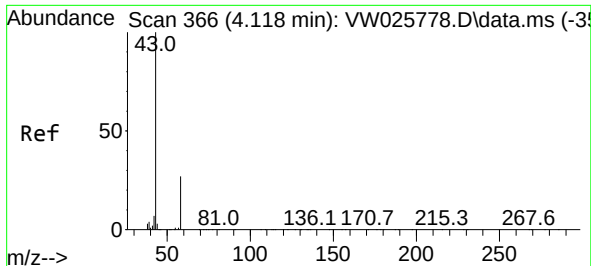
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|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 199013 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 46.5  | 33.9  | 50.9   |
| 151      | 73.3  | 54.2  | 81.2   |



#12  
 1,1-Dichloroethene  
 Concen: 24.945 ug/L  
 RT: 4.051 min Scan# 355  
 Delta R.T. -0.000 min  
 Lab File: VW025786.D  
 Acq: 01 May 2023 18:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 203995 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 194.1 | 135.0 | 250.8  |
| 63       | 163.1 | 104.9 | 194.7  |

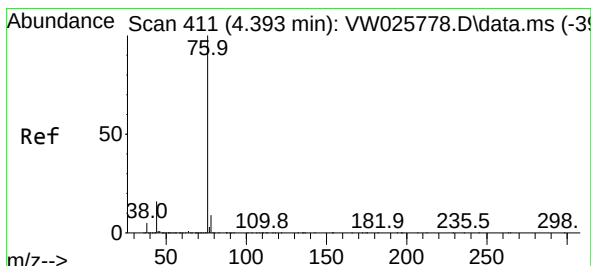
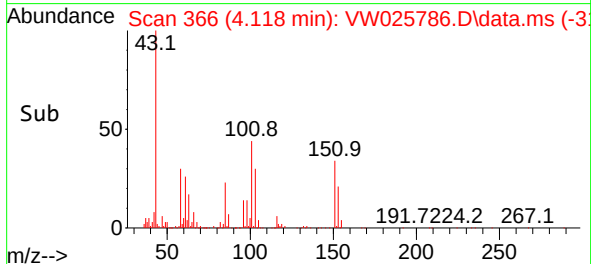
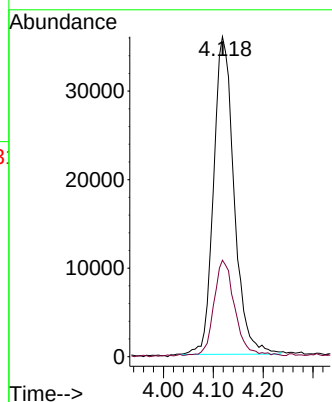
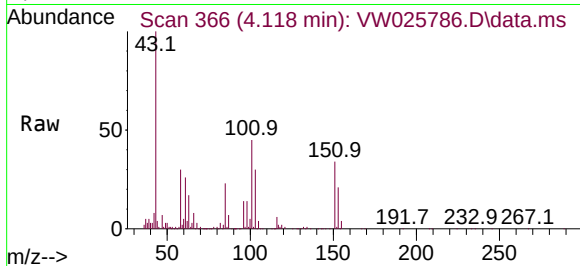




#13  
Acetone  
Concen: 40.388 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

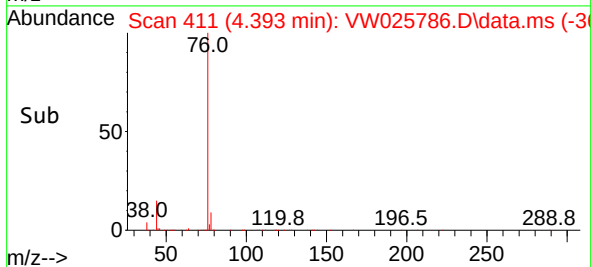
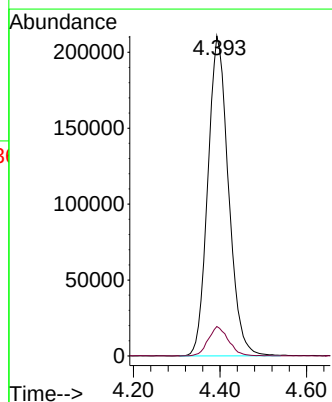
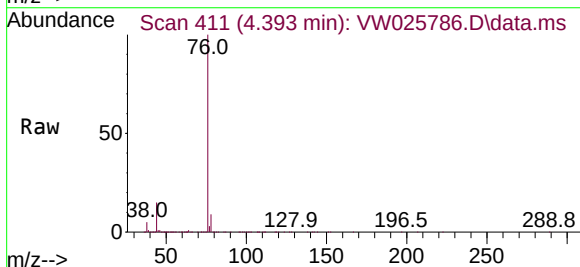
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 102584  
Ion Ratio Lower Upper  
43 100  
58 30.5 0.0 58.2

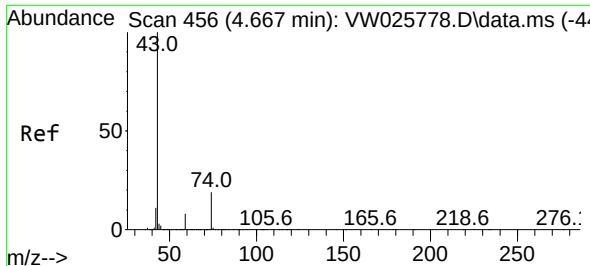


#14  
Carbon disulfide  
Concen: 25.210 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 76 Resp: 697179  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0



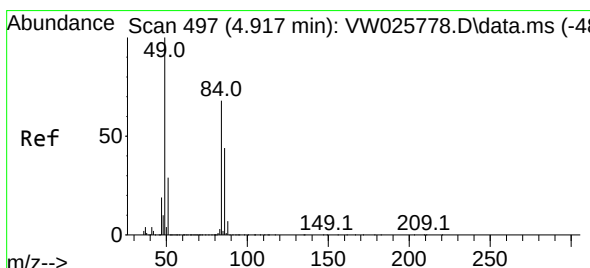
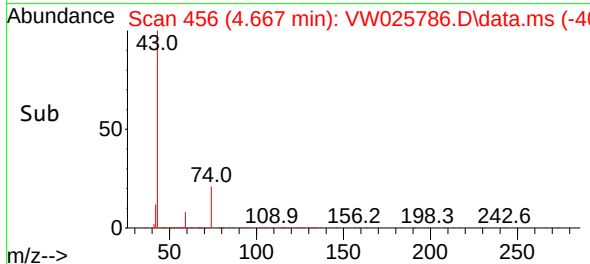
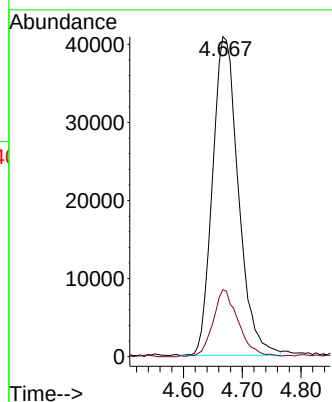
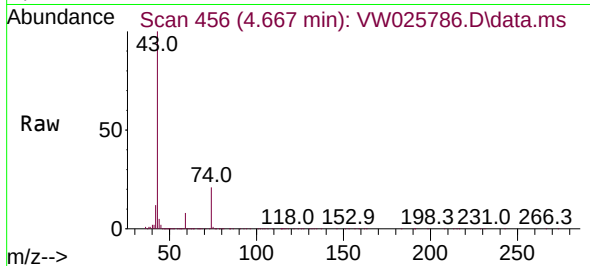




#15  
Methyl Acetate  
Concen: 24.968 ug/L  
RT: 4.667 min Scan# 456  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

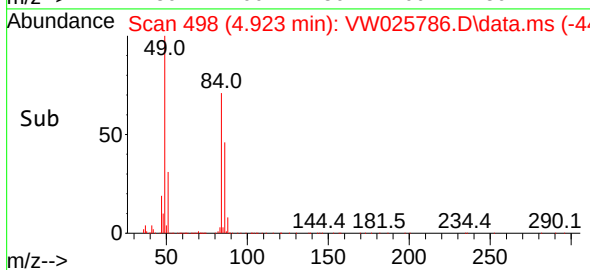
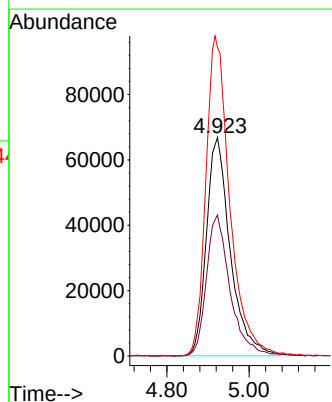
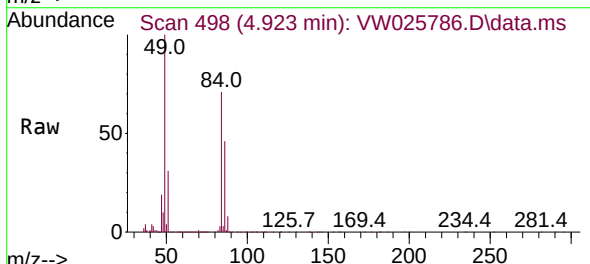
Instrument :  
MSVOA\_W  
ClientSampleId :

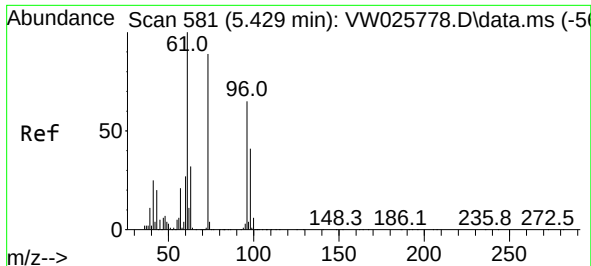
Tgt Ion: 43 Resp: 124972  
Ion Ratio Lower Upper  
43 100  
74 20.1 16.5 24.7



#16  
Methylene chloride  
Concen: 21.328 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 84 Resp: 268950  
Ion Ratio Lower Upper  
84 100  
86 64.6 41.7 77.5  
49 141.3 95.3 177.1

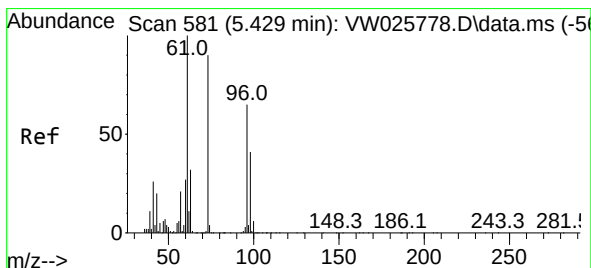
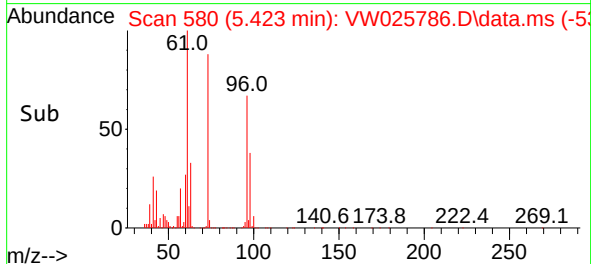
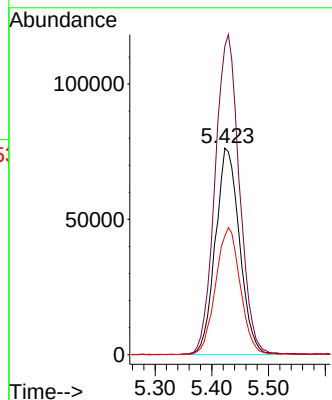
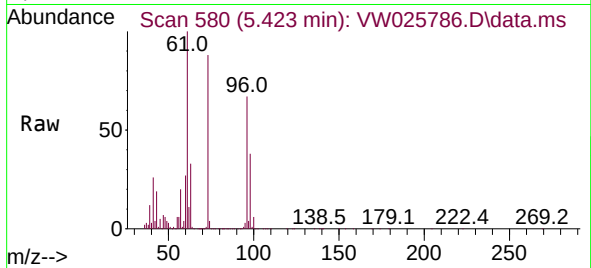




#17  
trans-1,2-Dichloroethene  
Concen: 25.263 ug/L  
RT: 5.423 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

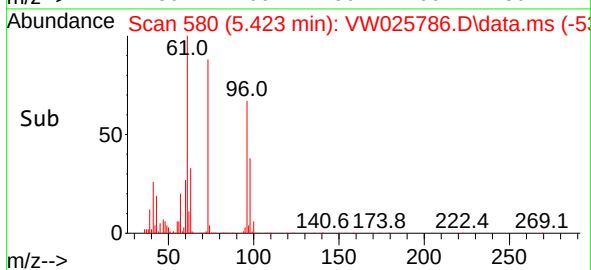
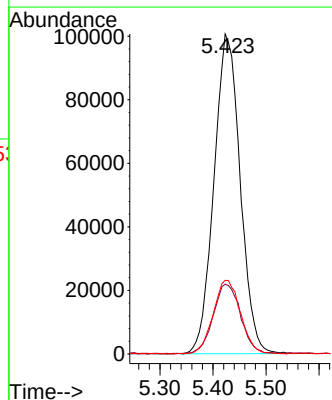
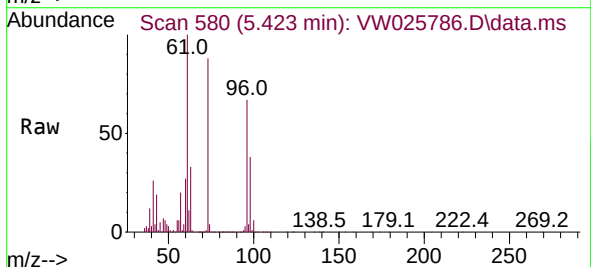
Instrument :  
MSVOA\_W  
ClientSampleId :

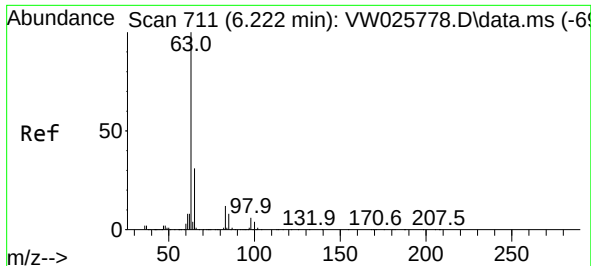
Tgt Ion: 96 Resp: 225382  
Ion Ratio Lower Upper  
96 100  
61 149.4 108.1 200.9  
98 57.4 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 25.471 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 73 Resp: 344885  
Ion Ratio Lower Upper  
73 100  
43 22.9 18.2 27.4  
57 24.1 19.2 28.8





#19

1,1-Dichloroethane

Concen: 25.541 ug/L

RT: 6.215 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

ClientSampleId :

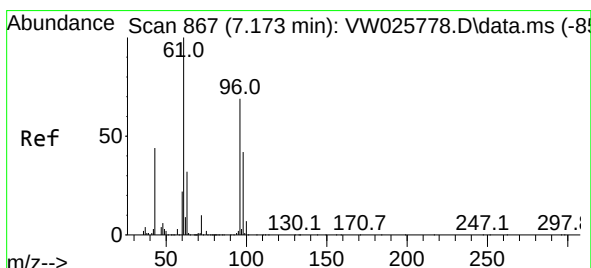
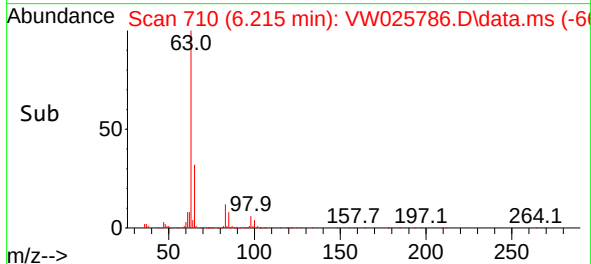
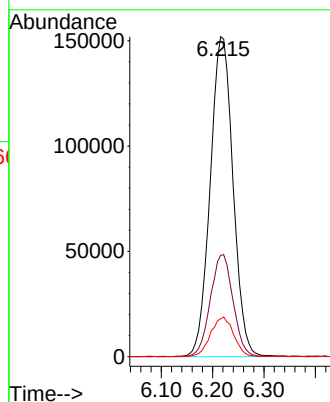
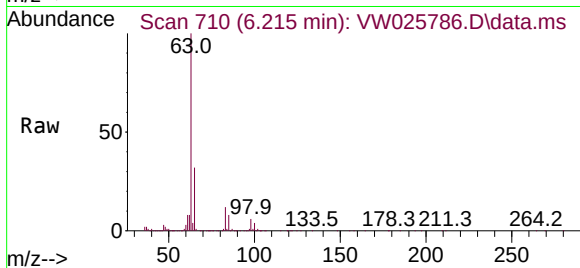
Tgt Ion: 63 Resp: 468142

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

83 11.8 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 25.500 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

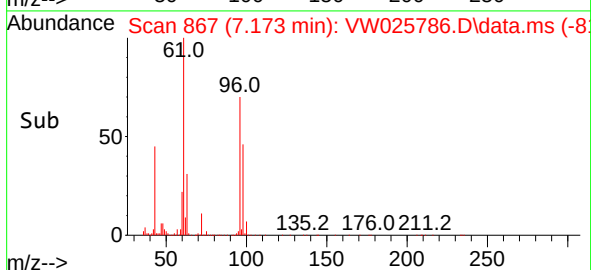
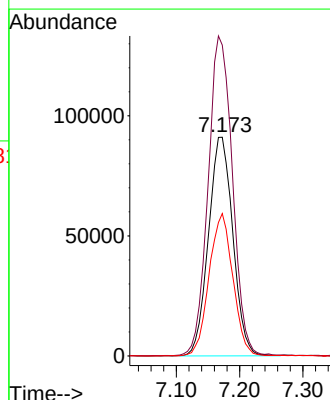
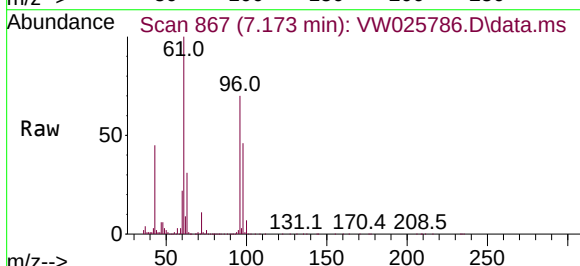
Tgt Ion: 96 Resp: 244063

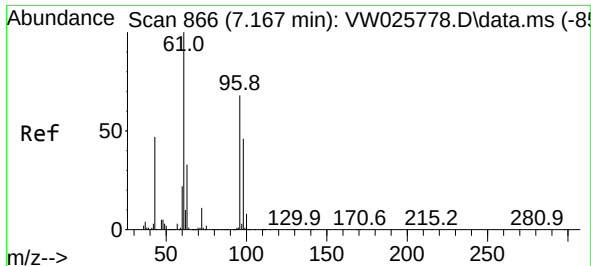
Ion Ratio Lower Upper

96 100

61 142.2 98.6 183.0

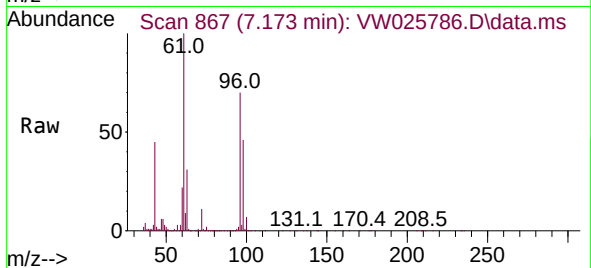
98 65.1 45.2 84.0



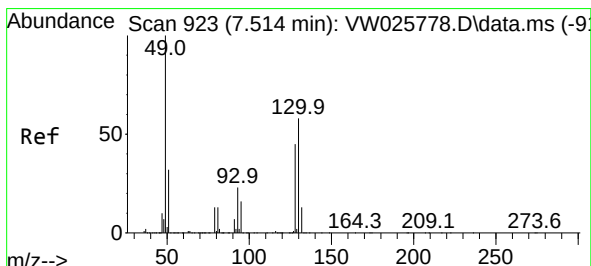
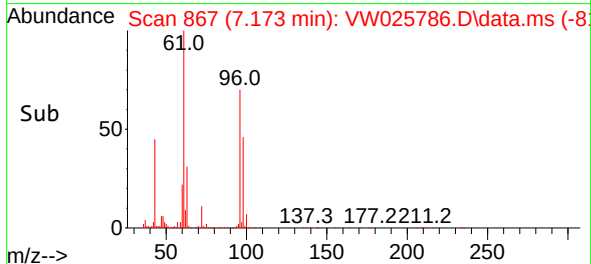
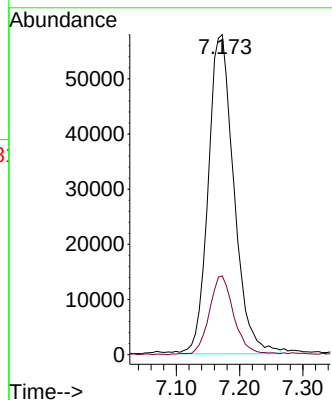


#22  
2-Butanone  
Concen: 46.515 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Instrument :  
MSVOA\_W  
ClientSampleId :

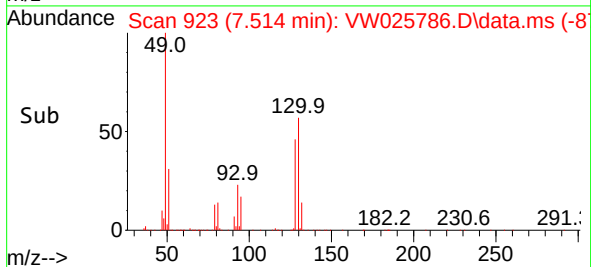
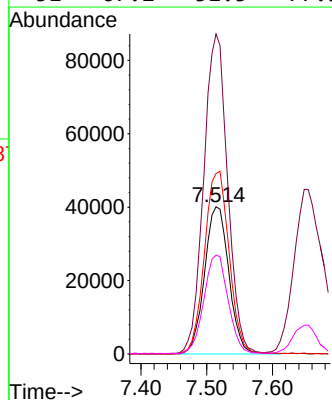
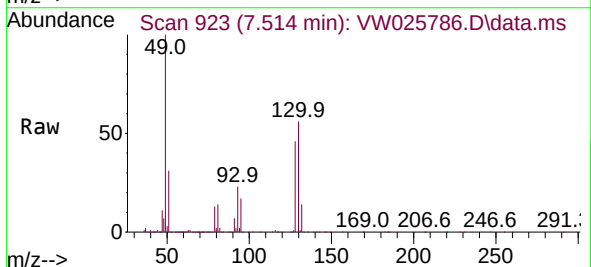


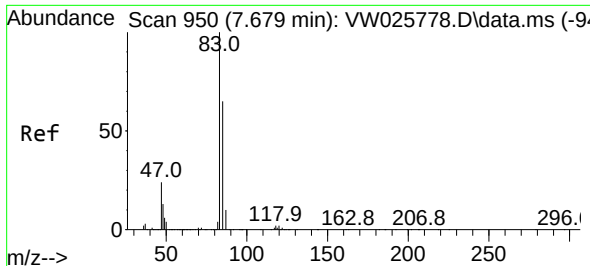
Tgt Ion: 43 Resp: 163137  
Ion Ratio Lower Upper  
43 100  
72 23.1 11.8 35.4



#23  
Bromochloromethane  
Concen: 25.506 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion:128 Resp: 103418  
Ion Ratio Lower Upper  
128 100  
49 217.5 151.5 281.5  
130 122.6 91.3 169.6  
51 67.2 51.5 77.3

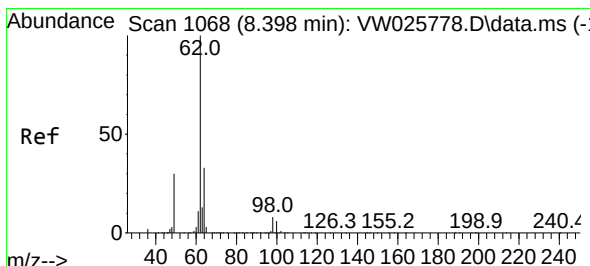
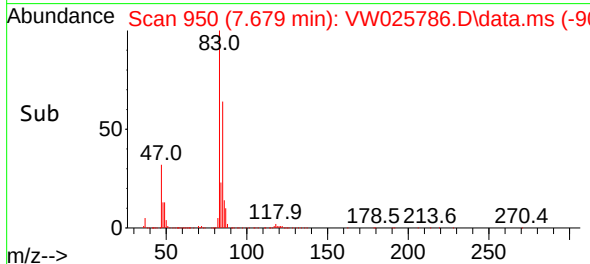
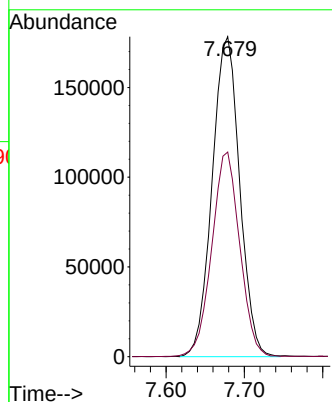
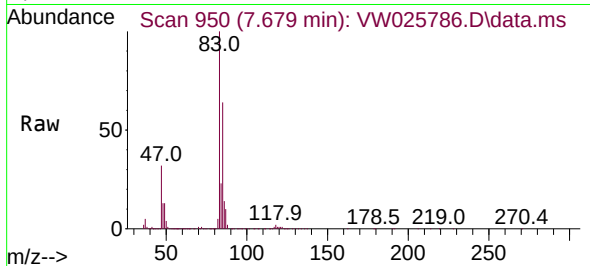




#25  
Chloroform  
Concen: 25.824 ug/L  
RT: 7.679 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

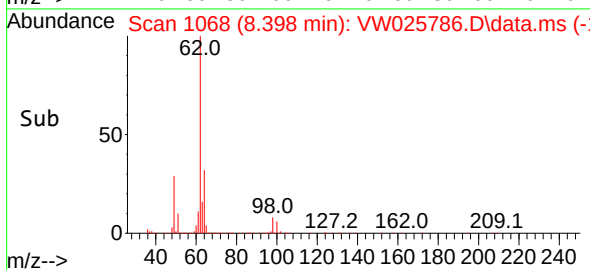
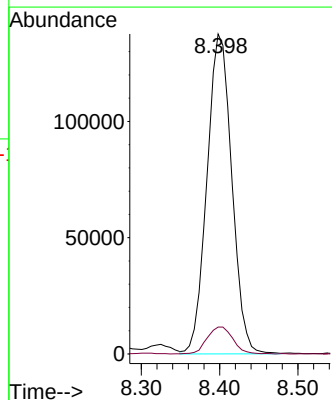
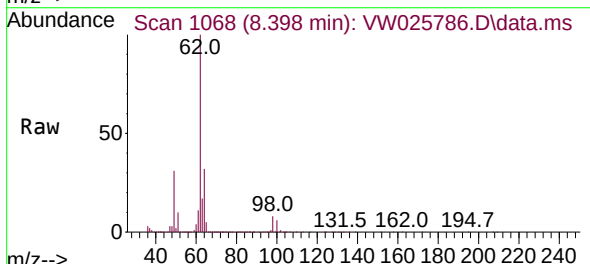
Instrument :  
MSVOA\_W  
ClientSampleId :

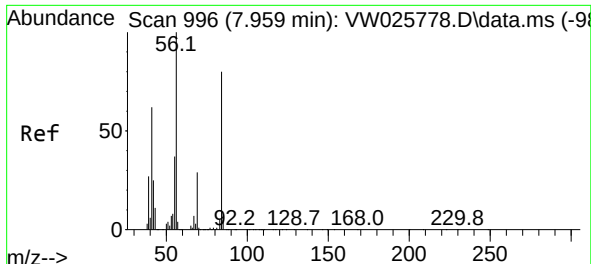
Tgt Ion: 83 Resp: 435034  
Ion Ratio Lower Upper  
83 100  
85 64.0 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 25.355 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

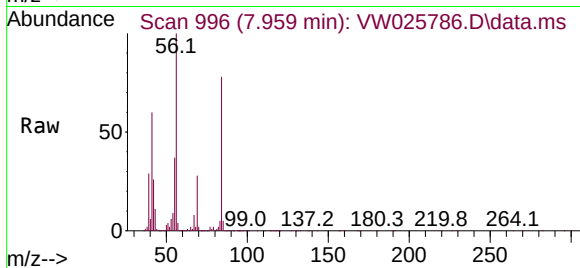
Tgt Ion: 62 Resp: 303345  
Ion Ratio Lower Upper  
62 100  
98 8.4 7.2 10.8





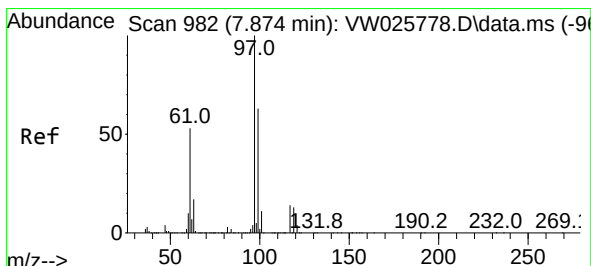
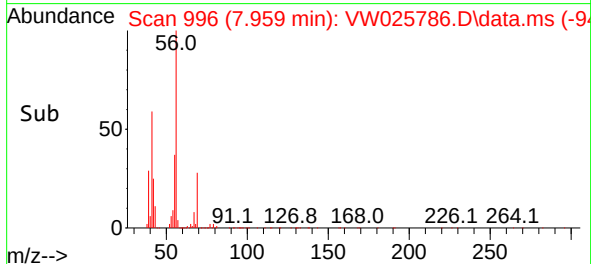
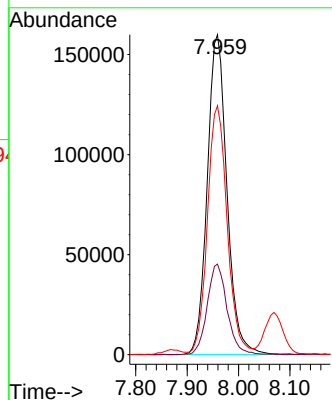
#29  
Cyclohexane  
Concen: 24.490 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 56 Resp: 425894

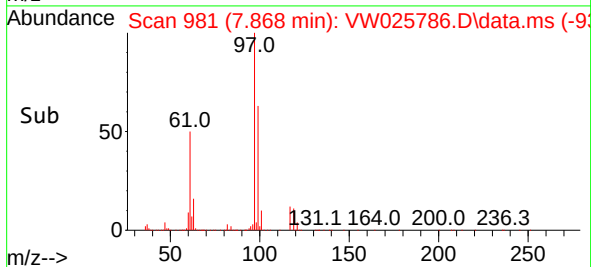
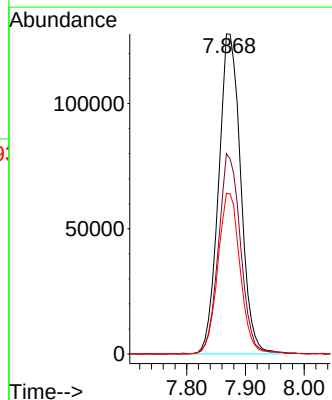
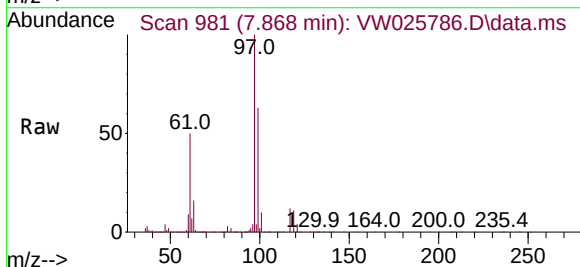
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 28.6  | 23.4  | 35.0  |
| 84  | 78.0  | 63.3  | 94.9  |

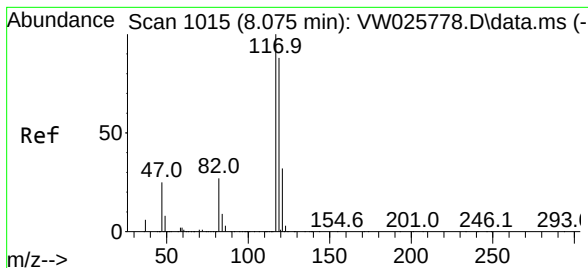


#30  
1,1,1-Trichloroethane  
Concen: 24.362 ug/L  
RT: 7.868 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 97 Resp: 334350

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.3  | 51.1  | 76.7  |
| 61  | 50.7  | 40.4  | 60.6  |

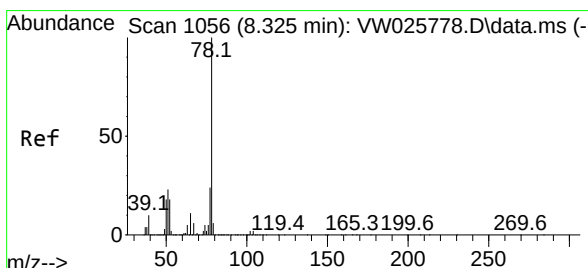
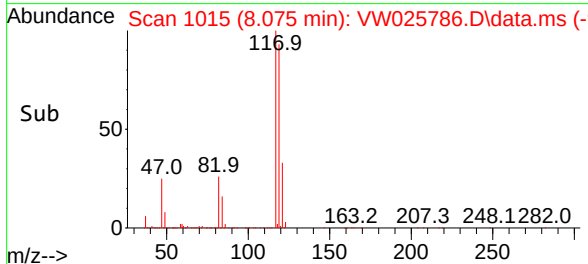
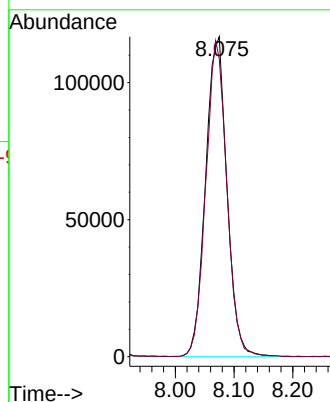
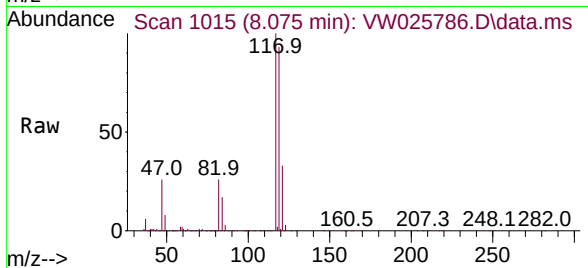




#31  
Carbon tetrachloride  
Concen: 23.903 ug/L  
RT: 8.075 min Scan# 1015  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

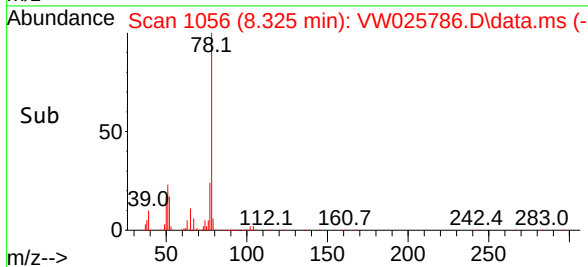
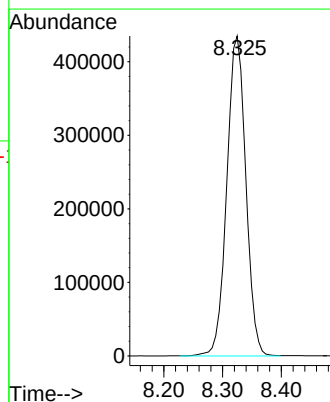
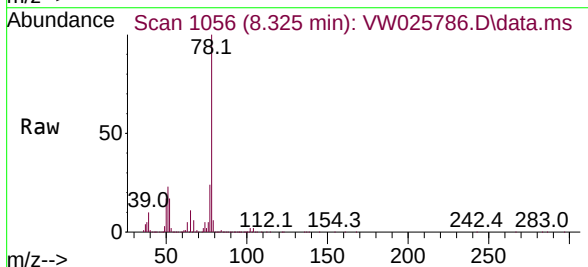
Instrument :  
MSVOA\_W  
ClientSampleId :

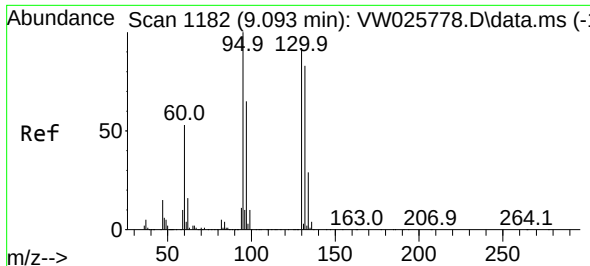
Tgt Ion:117 Resp: 295219  
Ion Ratio Lower Upper  
117 100  
119 96.6 76.9 115.3



#33  
Benzene  
Concen: 25.227 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 78 Resp: 979413

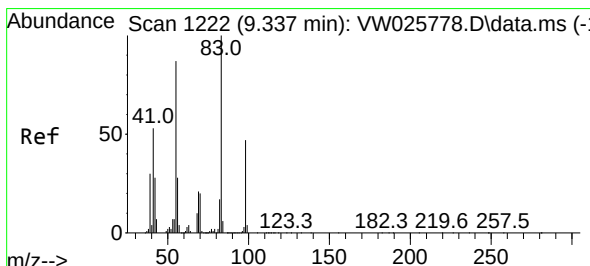
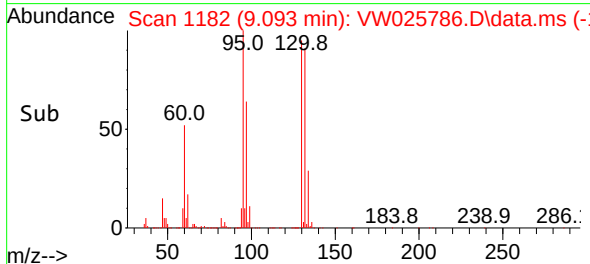
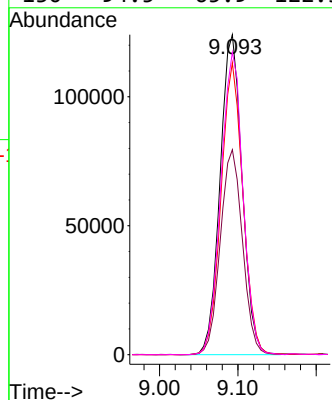
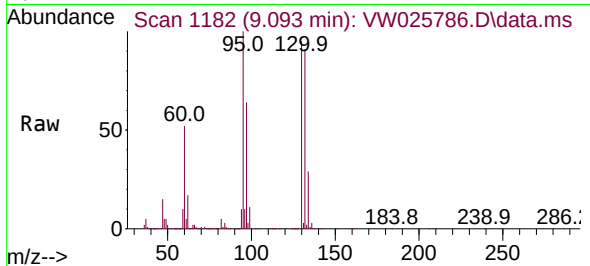




#34  
Trichloroethene  
Concen: 24.395 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

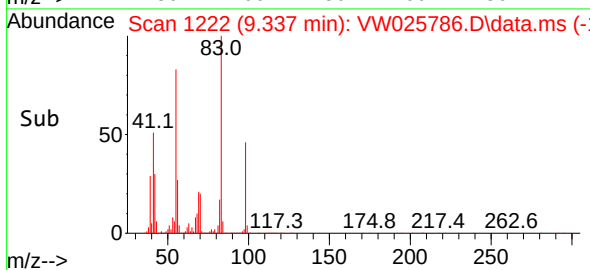
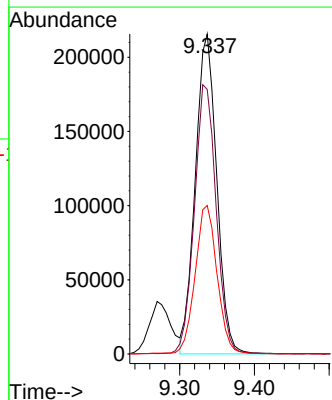
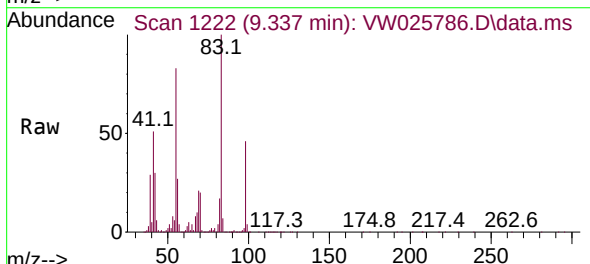
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 95 Resp: 243039  
Ion Ratio Lower Upper  
95 100  
97 64.1 45.9 85.3  
132 91.2 66.0 122.6  
130 94.5 65.9 122.3

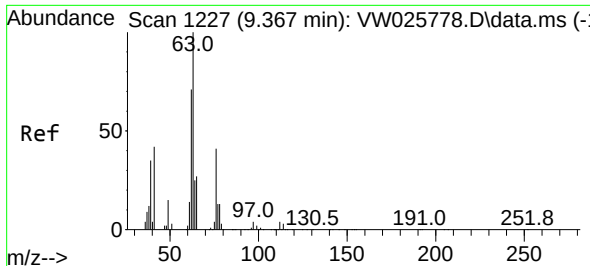


#35  
Methylcyclohexane  
Concen: 24.237 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 83 Resp: 429460  
Ion Ratio Lower Upper  
83 100  
55 85.9 69.0 103.4  
98 47.6 37.1 55.7



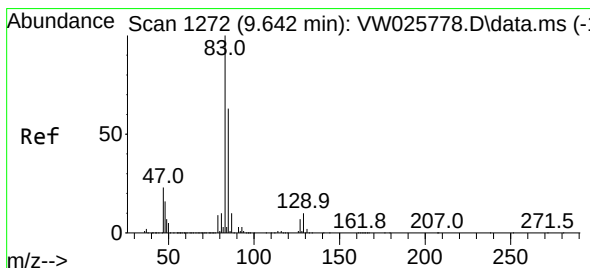
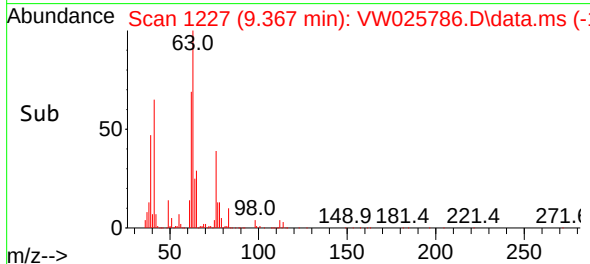
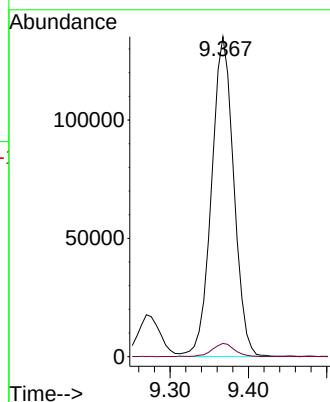
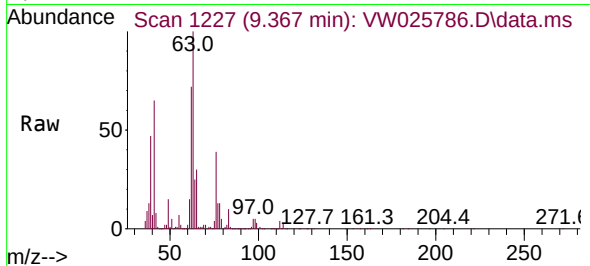




#37  
1,2-Dichloropropane  
Concen: 25.010 ug/L  
RT: 9.367 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

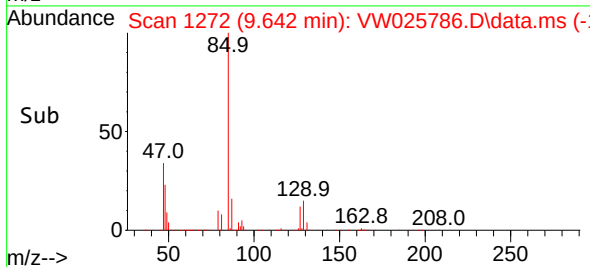
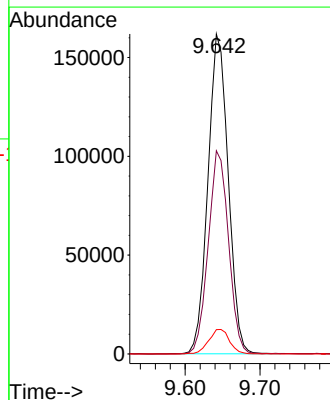
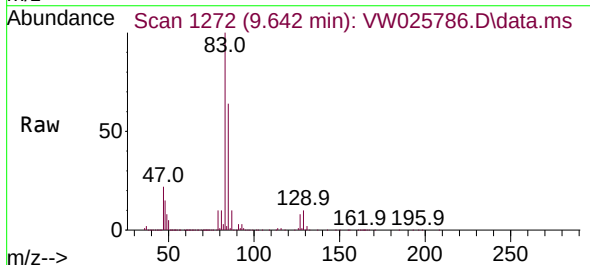
Instrument :  
MSVOA\_W  
ClientSampleId :

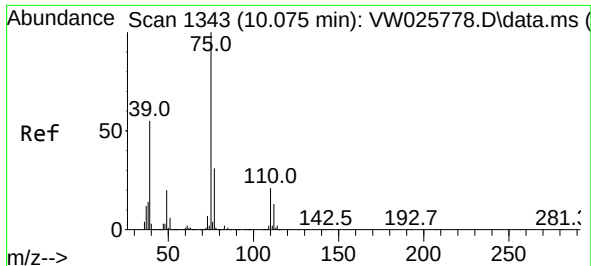
Tgt Ion: 63 Resp: 266031  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.3 4.9



#38  
Bromodichloromethane  
Concen: 24.994 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 83 Resp: 305017  
Ion Ratio Lower Upper  
83 100  
85 63.5 44.4 82.5  
127 7.6 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 24.891 ug/L

RT: 10.068 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

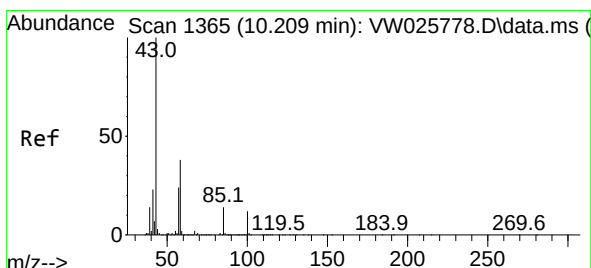
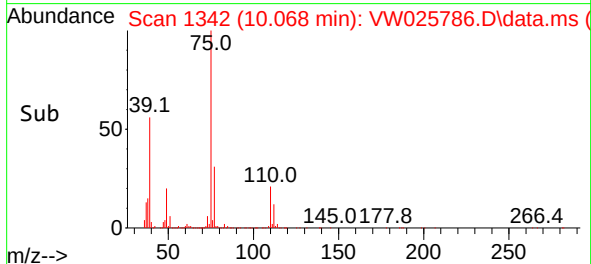
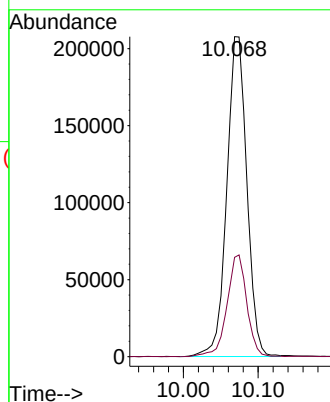
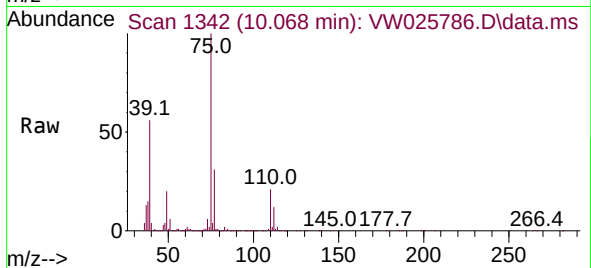
ClientSampleId :

Tgt Ion: 75 Resp: 388276

Ion Ratio Lower Upper

75 100

77 31.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 50.503 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

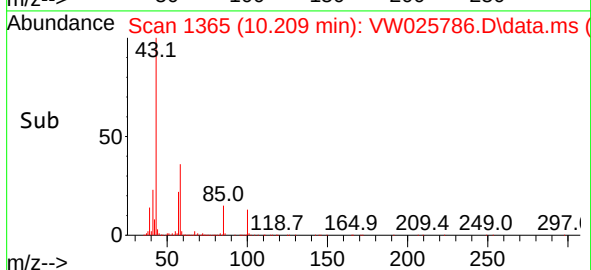
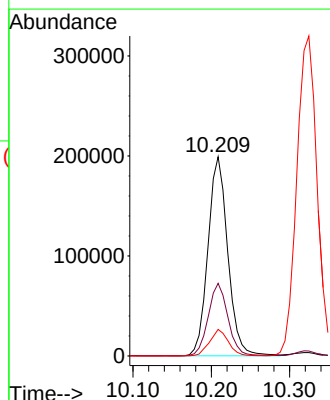
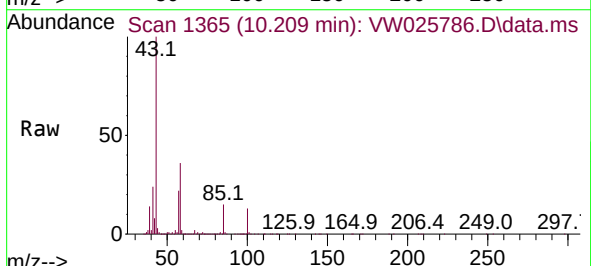
Tgt Ion: 43 Resp: 349670

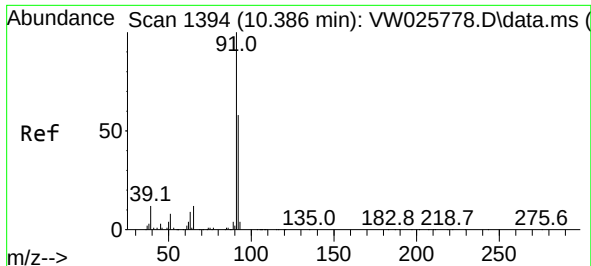
Ion Ratio Lower Upper

43 100

58 36.3 29.4 44.0

100 12.8 10.1 15.1

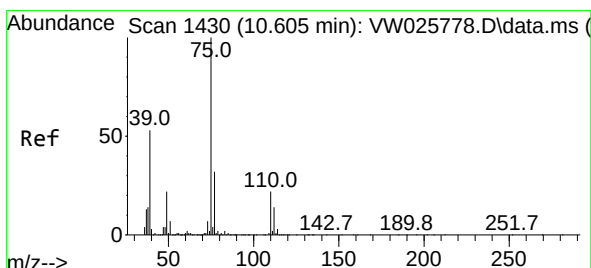
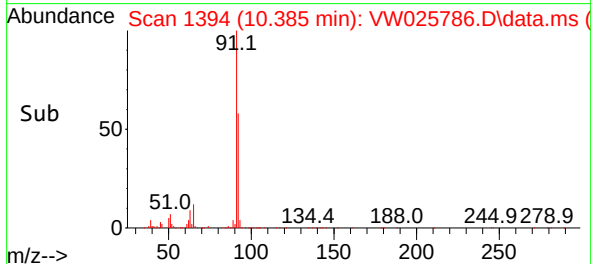
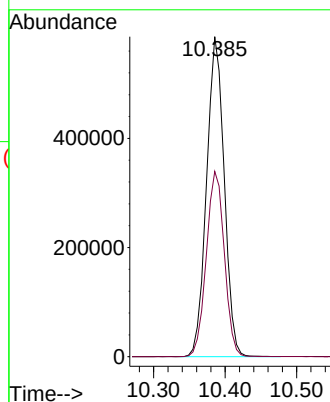
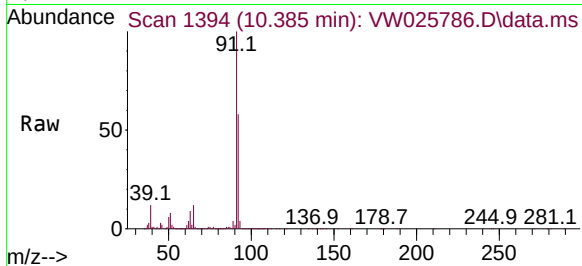




#42  
Toluene  
Concen: 25.320 ug/L  
RT: 10.385 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

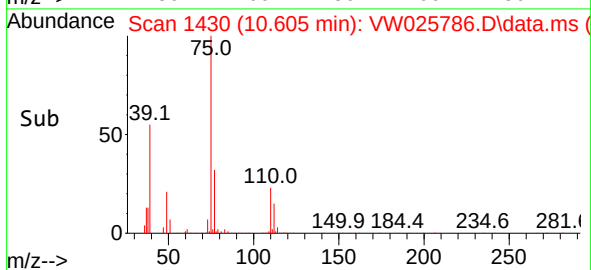
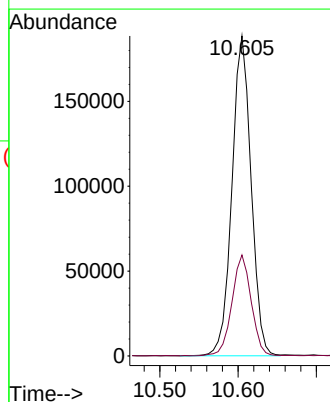
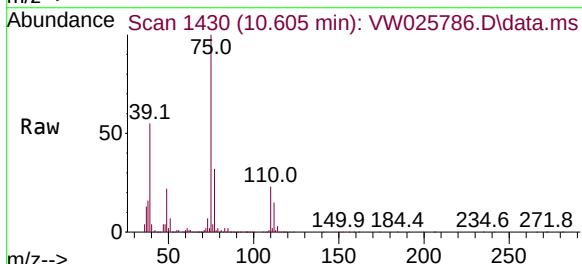
Instrument :  
MSVOA\_W  
ClientSampleId :

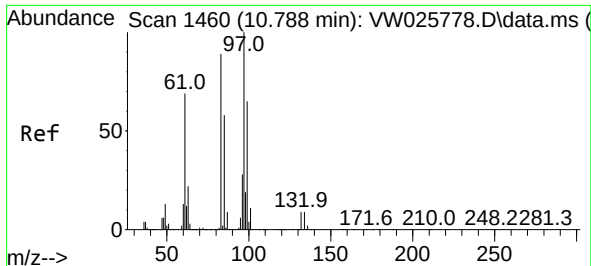
Tgt Ion: 91 Resp: 1004460  
Ion Ratio Lower Upper  
91 100  
92 57.9 40.2 74.6



#44  
trans-1,3-Dichloropropene  
Concen: 24.758 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 75 Resp: 320011  
Ion Ratio Lower Upper  
75 100  
77 31.6 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 25.252 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 179678

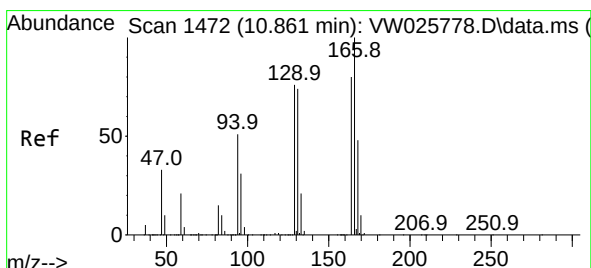
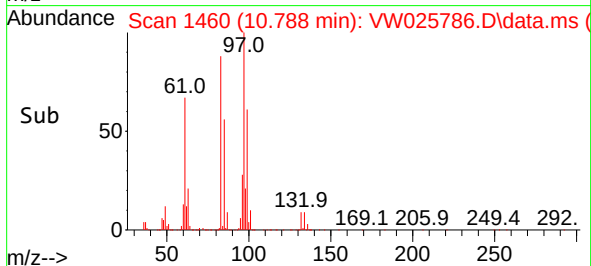
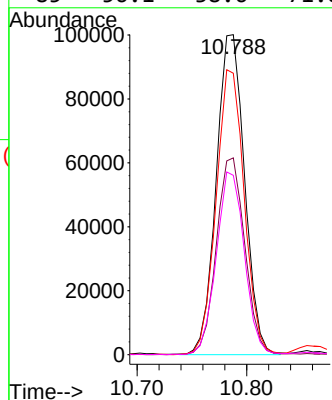
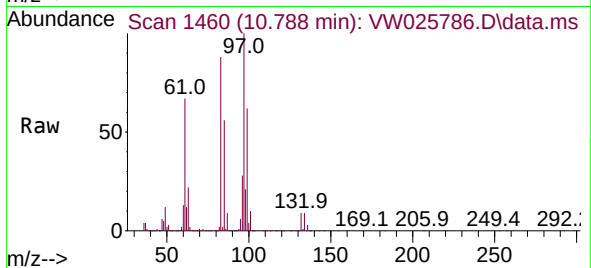
Ion Ratio Lower Upper

97 100

99 61.5 44.5 82.7

83 88.0 63.0 117.0

85 56.1 38.6 71.8



#46

Tetrachloroethene

Concen: 24.012 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Tgt Ion:164 Resp: 168300

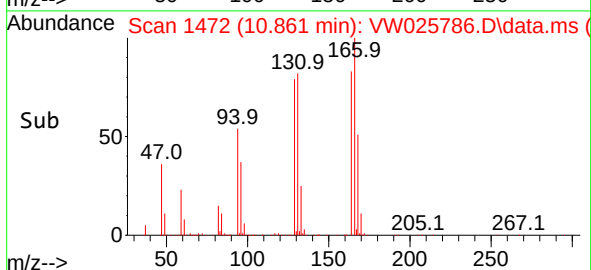
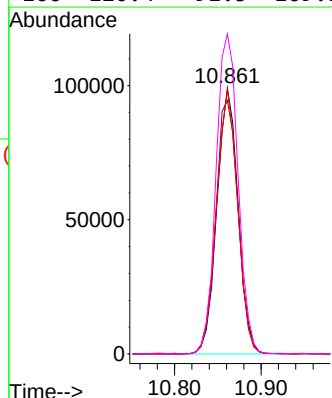
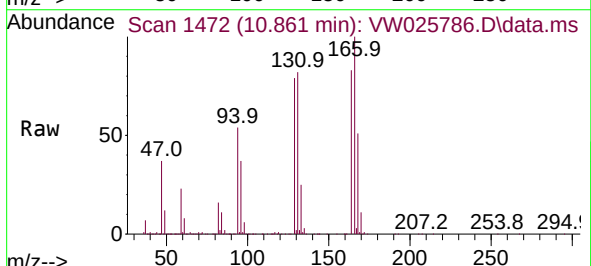
Ion Ratio Lower Upper

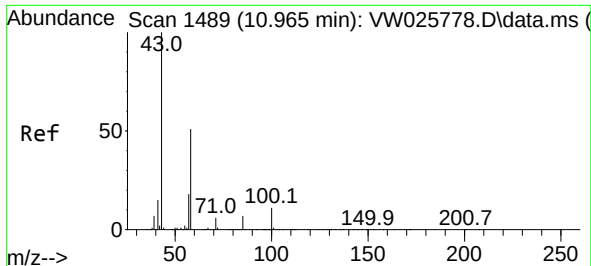
164 100

129 95.3 74.3 138.1

131 99.2 71.3 132.3

166 120.4 91.5 169.9

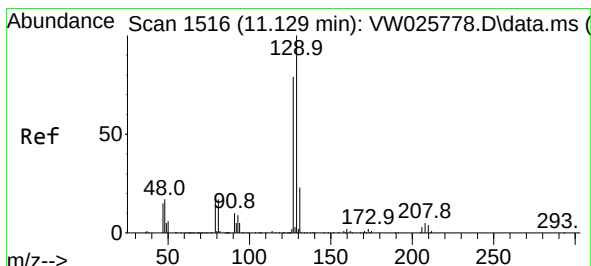
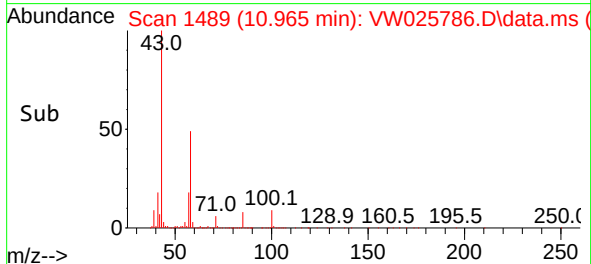
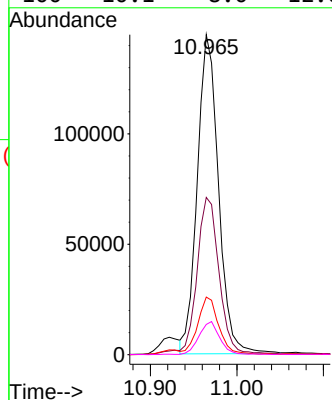
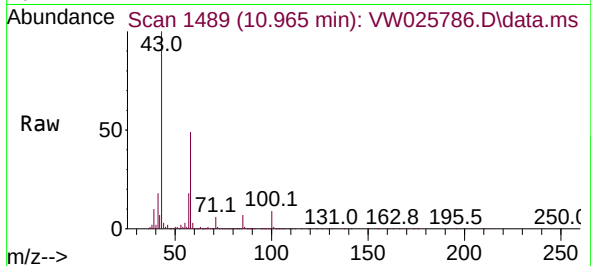




#48  
2-Hexanone  
Concen: 49.637 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

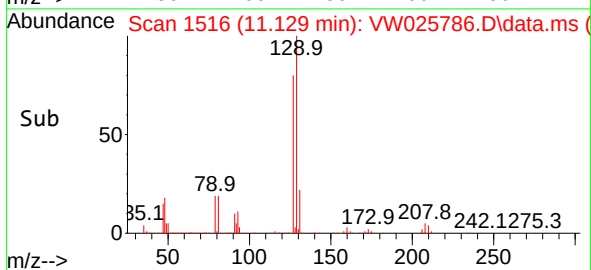
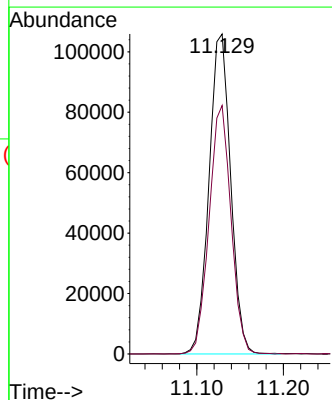
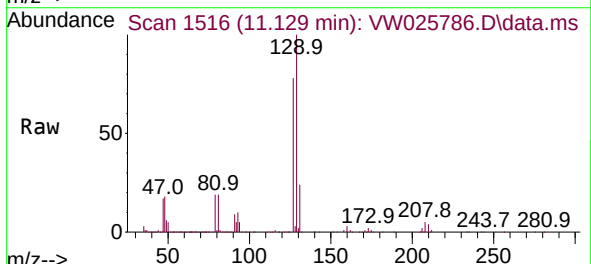
Instrument :  
MSVOA\_W  
ClientSampleId :

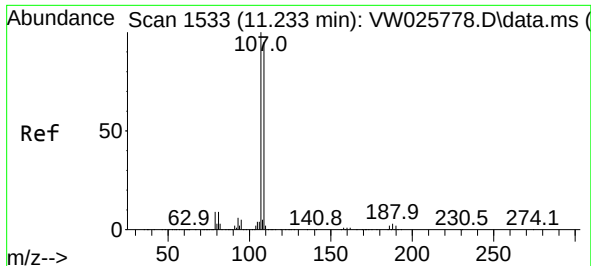
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 246202 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 50.4  | 40.8  | 61.2   |
| 57       | 17.7  | 13.6  | 20.4   |
| 100      | 10.1  | 8.0   | 12.0   |



#49  
Dibromochloromethane  
Concen: 24.997 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 184139 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 77.7  | 56.1  | 104.3  |





#50

1,2-Dibromoethane

Concen: 25.450 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

ClientSampleId :

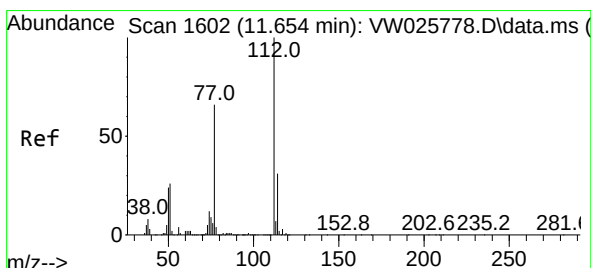
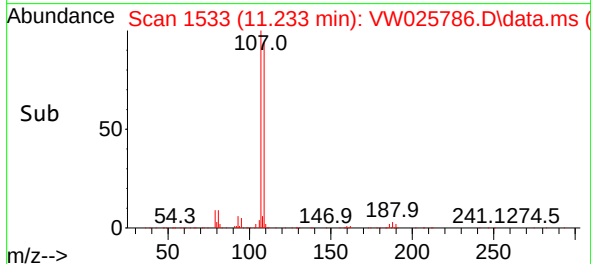
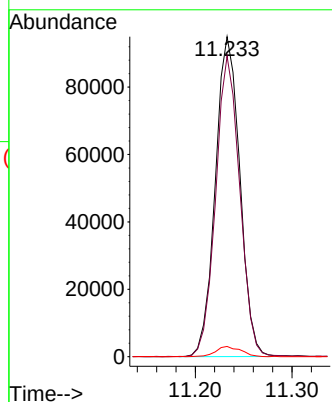
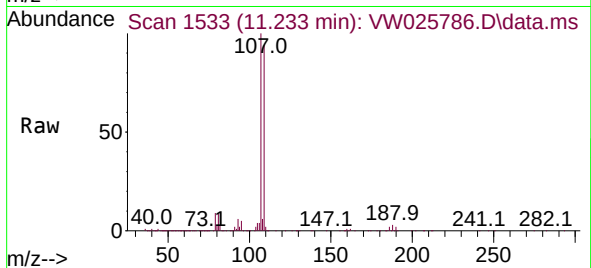
Tgt Ion:107 Resp: 166941

Ion Ratio Lower Upper

107 100

109 93.9 67.5 125.4

188 3.2 2.6 4.0



#51

Chlorobenzene

Concen: 25.691 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

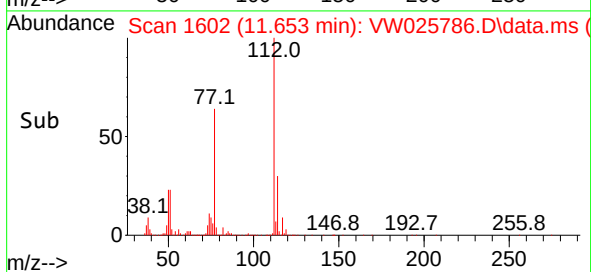
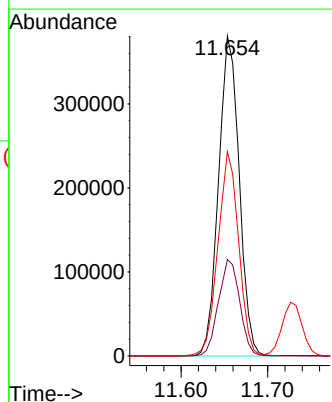
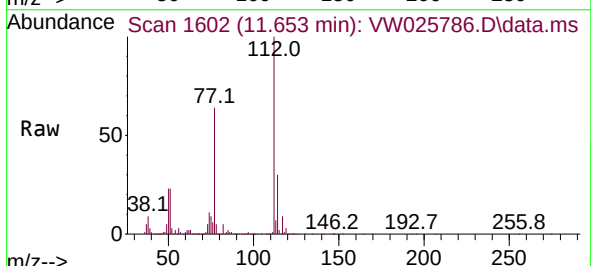
Tgt Ion:112 Resp: 631379

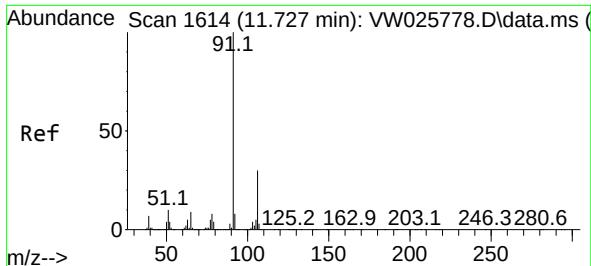
Ion Ratio Lower Upper

112 100

114 30.2 22.7 42.3

77 63.9 53.0 79.6

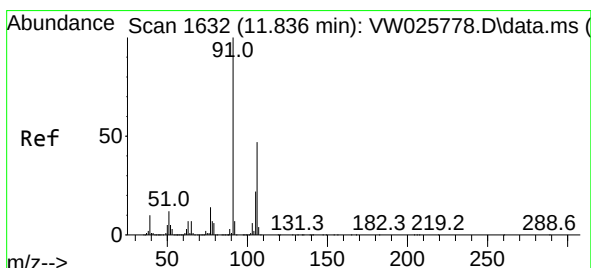
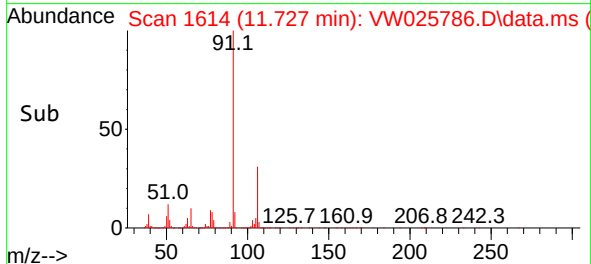
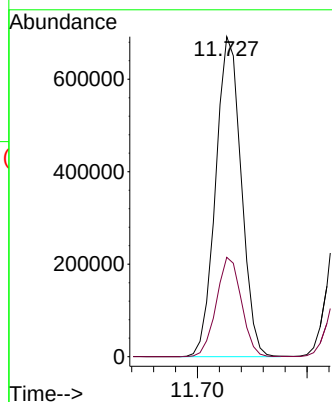
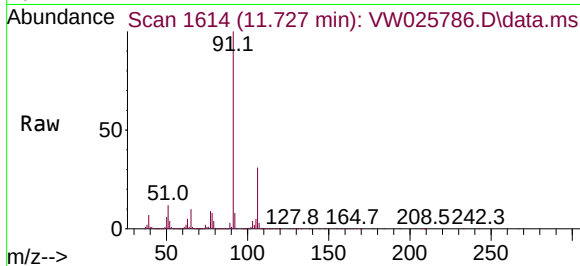




#52  
Ethylbenzene  
Concen: 25.135 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

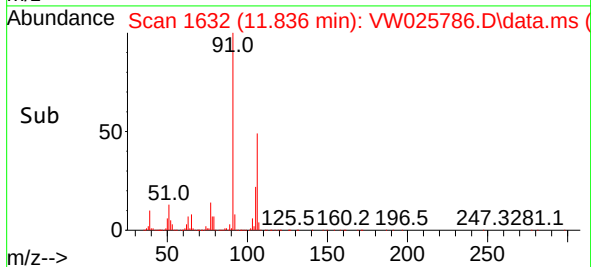
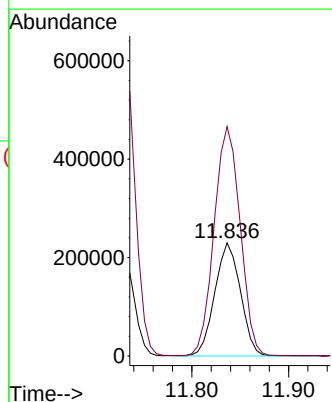
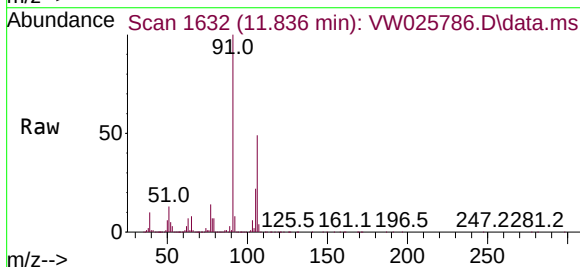
Instrument :  
MSVOA\_W  
ClientSampleId :

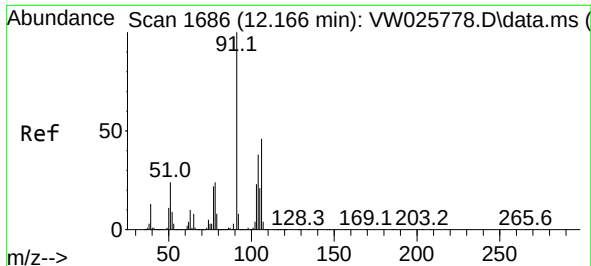
Tgt Ion: 91 Resp: 1121619  
Ion Ratio Lower Upper  
91 100  
106 31.1 20.8 38.6



#53  
m,p-Xylene  
Concen: 25.778 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 106 Resp: 423378  
Ion Ratio Lower Upper  
106 100  
91 202.7 150.1 278.9

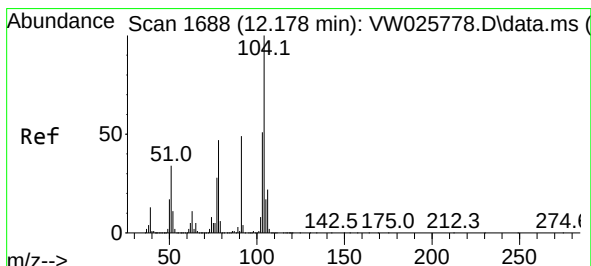
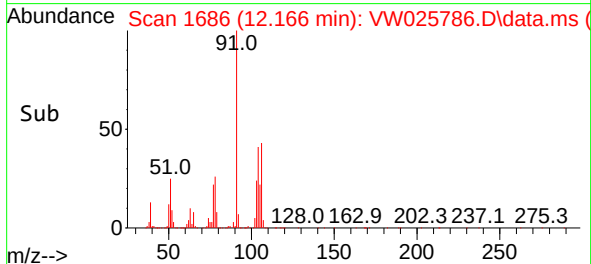
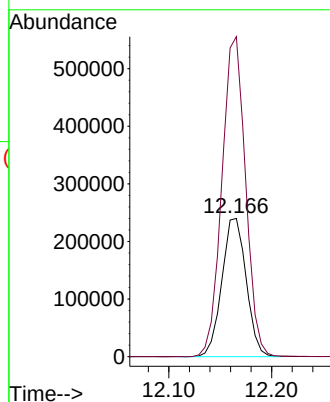
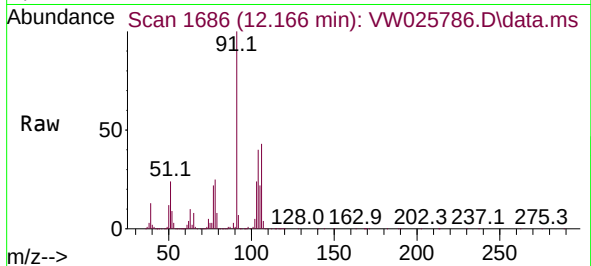




#54  
o-Xylene  
Concen: 25.475 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

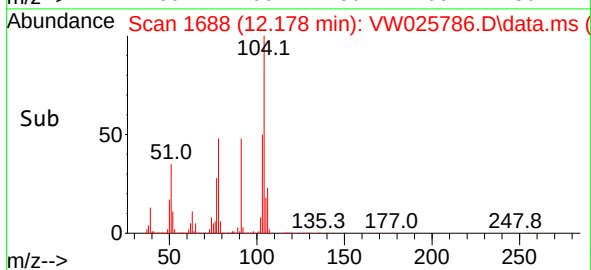
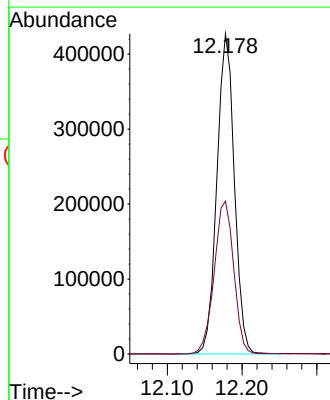
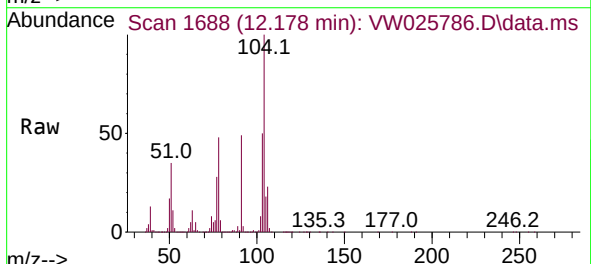
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 394369  
Ion Ratio Lower Upper  
106 100  
91 231.4 157.8 293.1

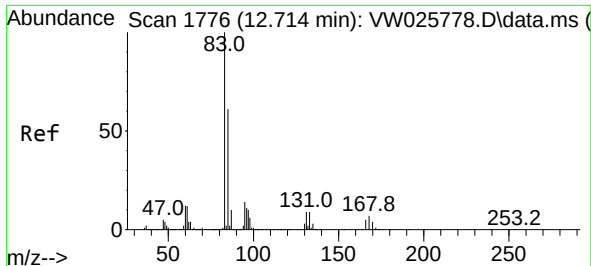


#55  
Styrene  
Concen: 26.136 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion:104 Resp: 692500  
Ion Ratio Lower Upper  
104 100  
78 47.7 33.4 62.0







#57

1,1,2-Tetrachloroethane

Concen: 25.089 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

ClientSampleId :

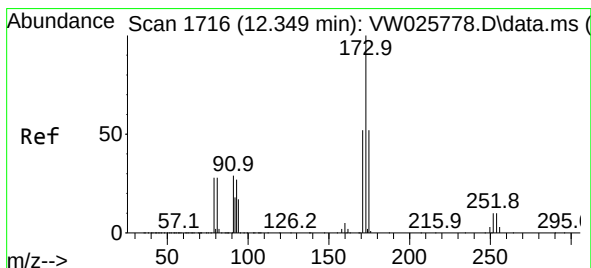
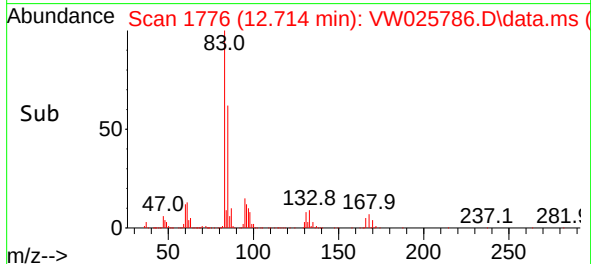
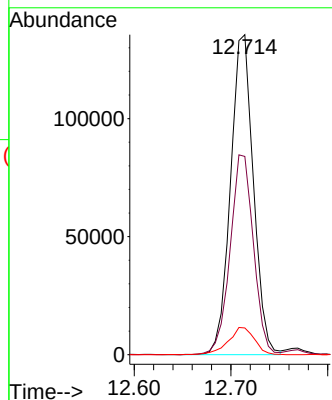
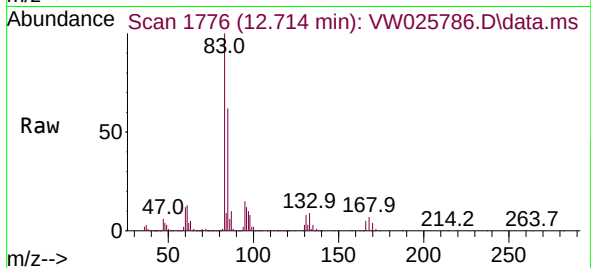
Tgt Ion: 83 Resp: 222752

Ion Ratio Lower Upper

83 100

85 61.9 45.6 84.8

131 8.3 8.1 12.1



#59

Bromoform

Concen: 25.841 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

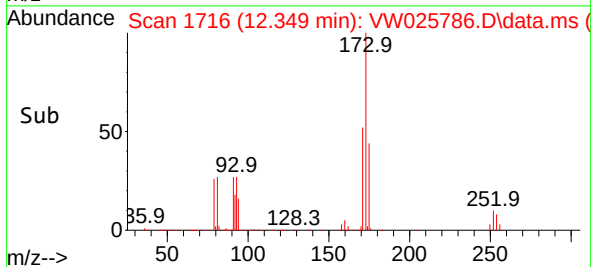
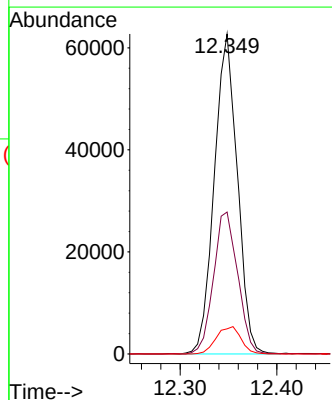
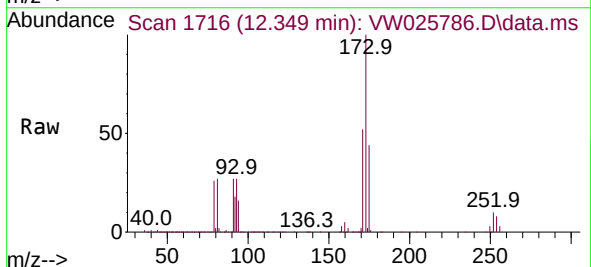
Tgt Ion: 173 Resp: 103804

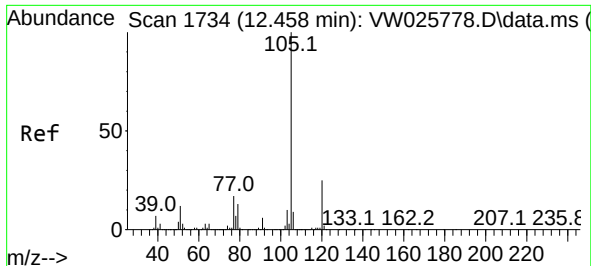
Ion Ratio Lower Upper

173 100

175 46.5 38.6 57.8

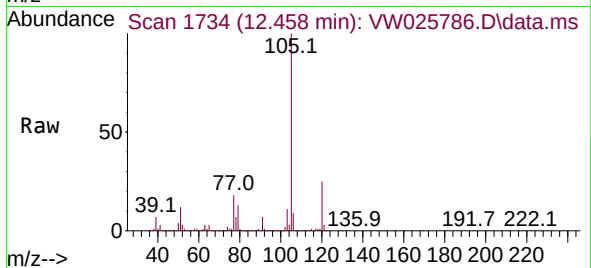
254 9.1 7.6 11.4



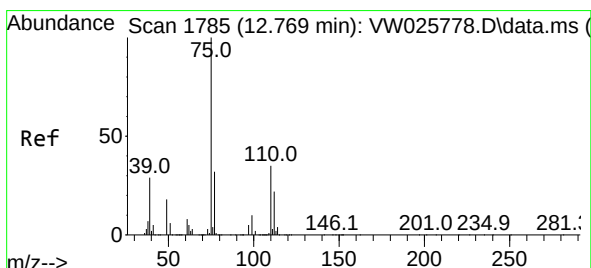
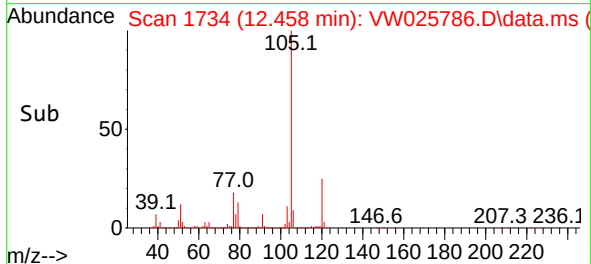
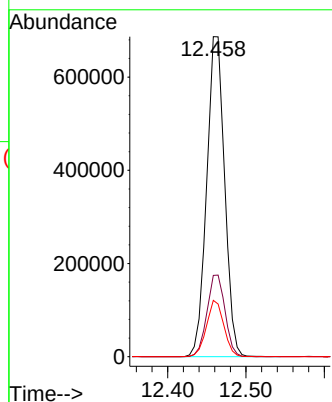


#60  
Isopropylbenzene  
Concen: 26.480 ug/L  
RT: 12.458 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Instrument :  
MSVOA\_W  
ClientSampleId :

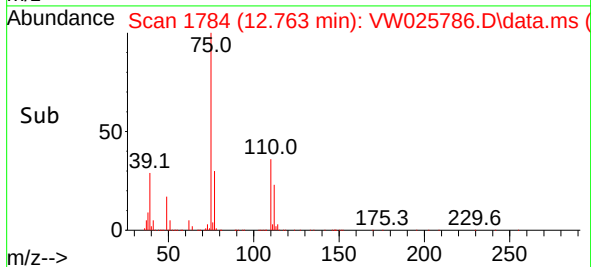
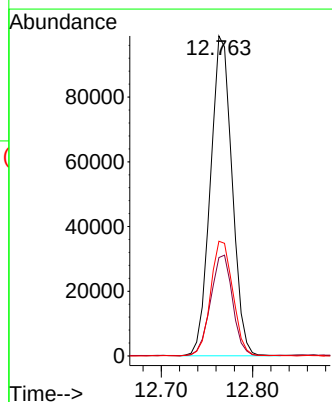
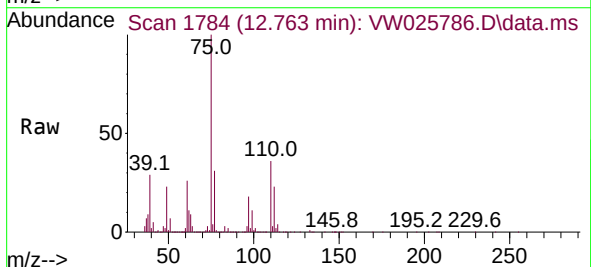


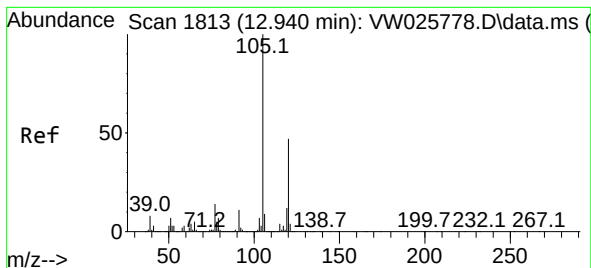
Tgt Ion:105 Resp: 1091601  
Ion Ratio Lower Upper  
105 100  
120 25.7 21.1 31.7  
77 17.0 13.4 20.0



#61  
1,2,3-Trichloropropane  
Concen: 25.484 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.006 min  
Lab File: VW025786.D  
Acq: 01 May 2023 18:29

Tgt Ion: 75 Resp: 163338  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.2 37.8  
110 36.8 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 27.463 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

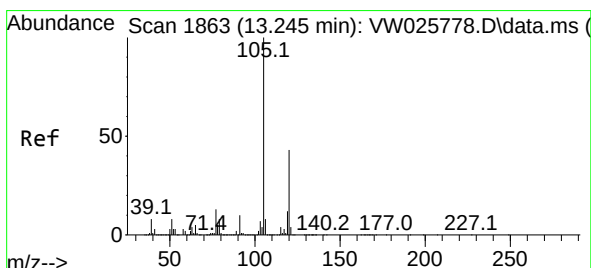
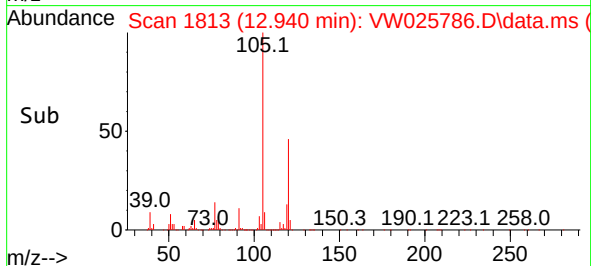
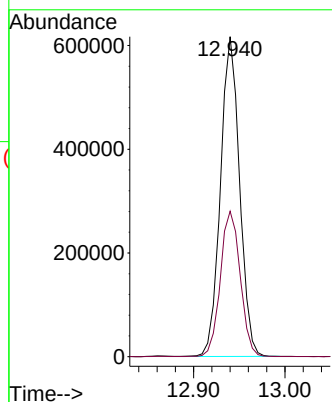
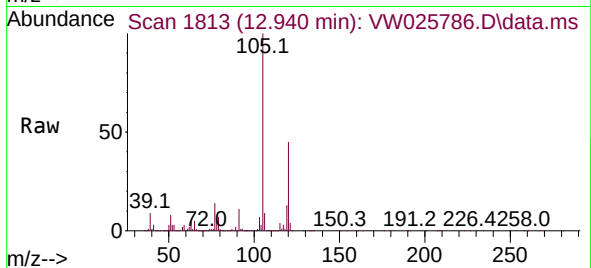
ClientSampleId :

Tgt Ion:105 Resp: 896707

Ion Ratio Lower Upper

105 100

120 47.4 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 26.806 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW025786.D

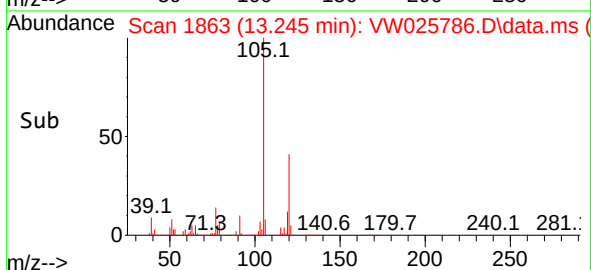
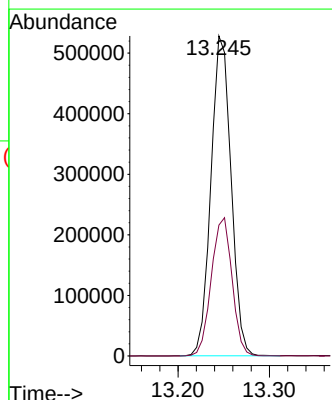
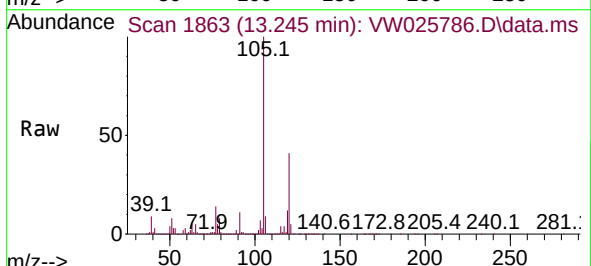
Acq: 01 May 2023 18:29

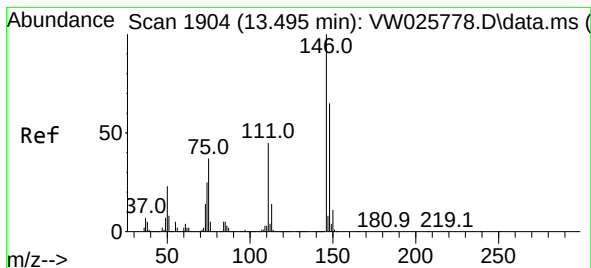
Tgt Ion:105 Resp: 807677

Ion Ratio Lower Upper

105 100

120 44.5 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 25.537 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

ClientSampleId :

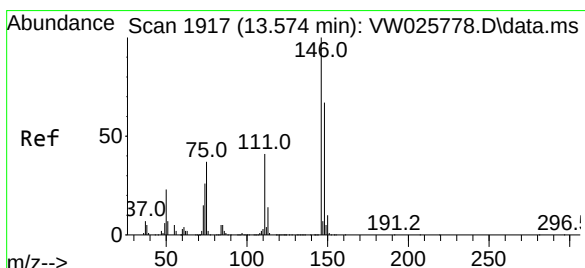
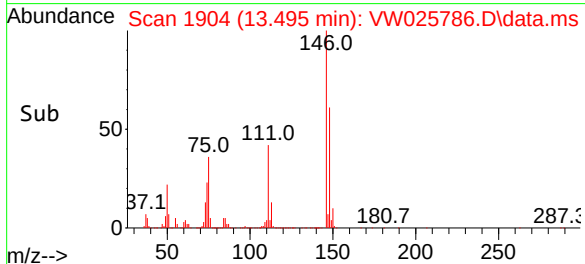
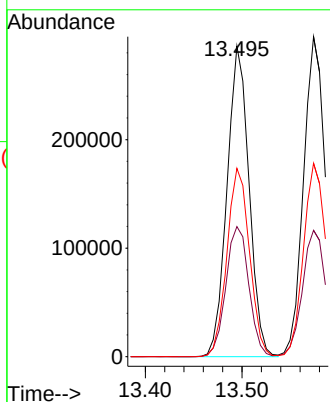
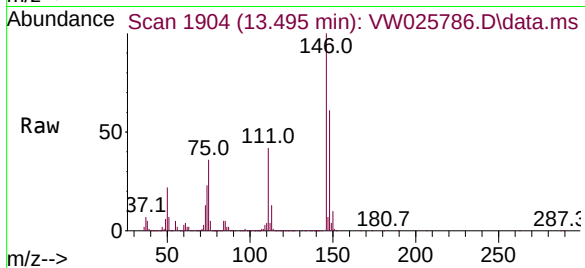
Tgt Ion:146 Resp: 453178

Ion Ratio Lower Upper

146 100

111 41.9 30.4 56.4

148 60.6 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 25.987 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

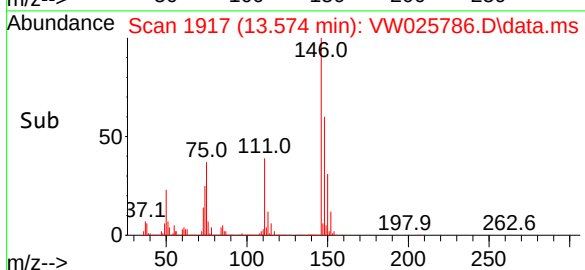
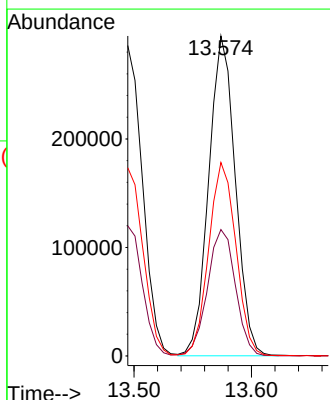
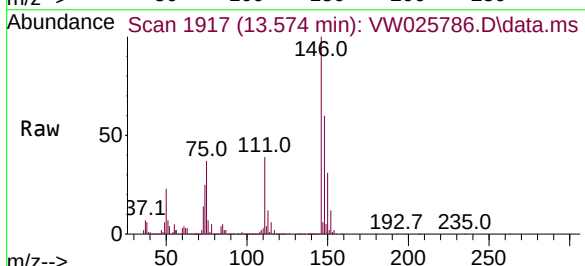
Tgt Ion:146 Resp: 465924

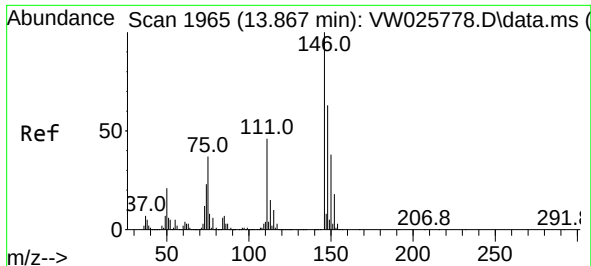
Ion Ratio Lower Upper

146 100

111 39.5 27.9 51.9

148 60.4 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 26.184 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

ClientSampleId :

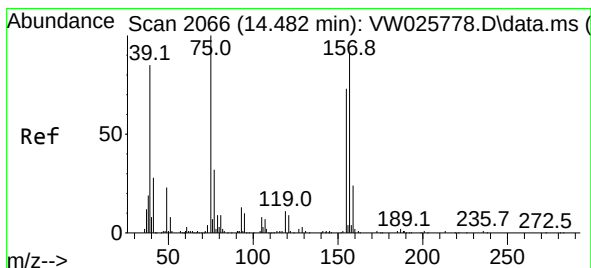
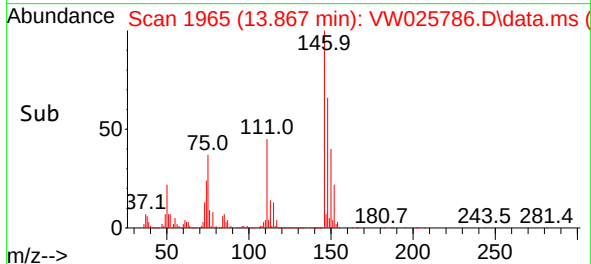
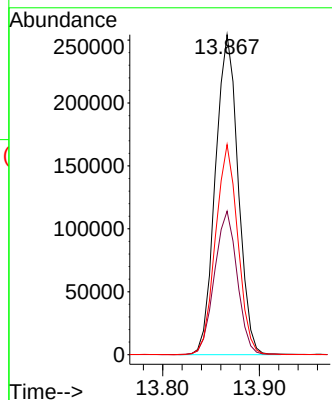
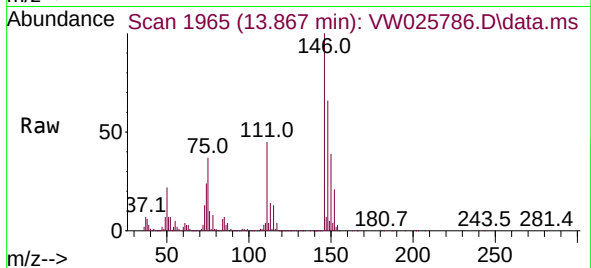
Tgt Ion:146 Resp: 414403

Ion Ratio Lower Upper

146 100

111 44.8 37.7 56.5

148 65.7 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.596 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

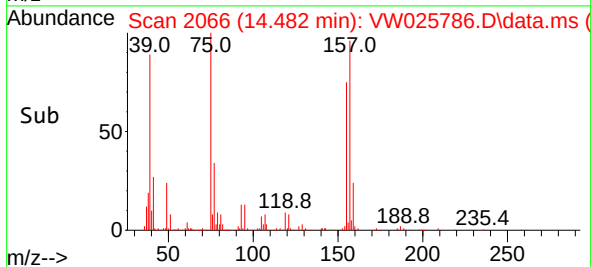
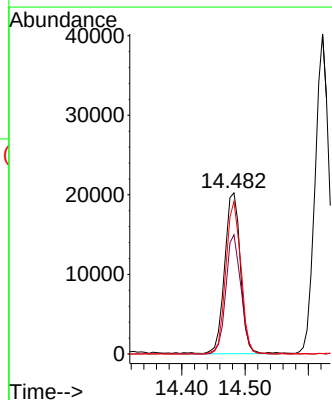
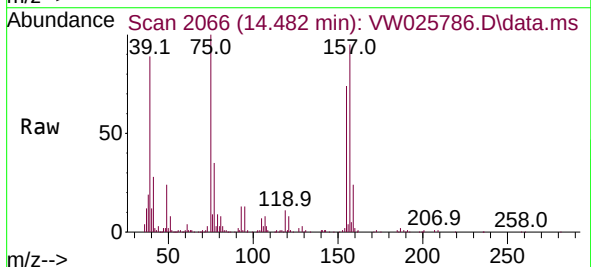
Tgt Ion: 75 Resp: 35069

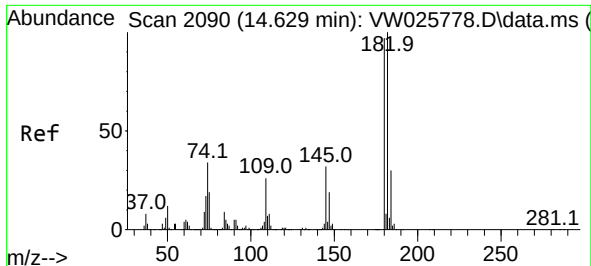
Ion Ratio Lower Upper

75 100

155 74.0 56.3 84.5

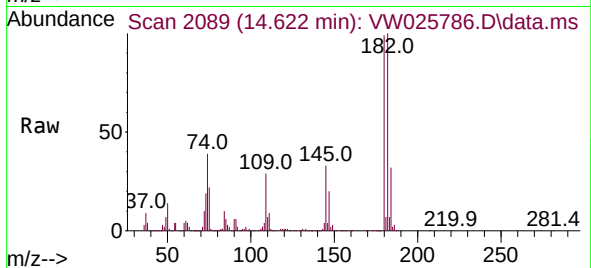
157 94.6 66.3 99.5



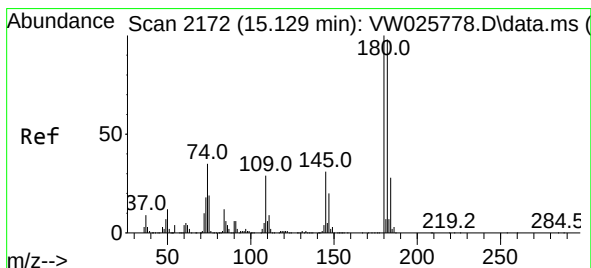
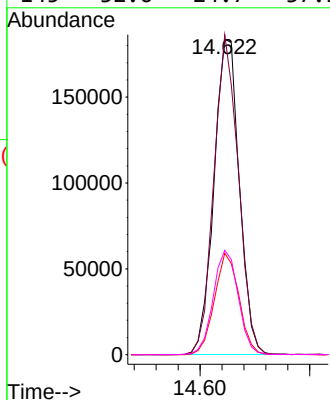
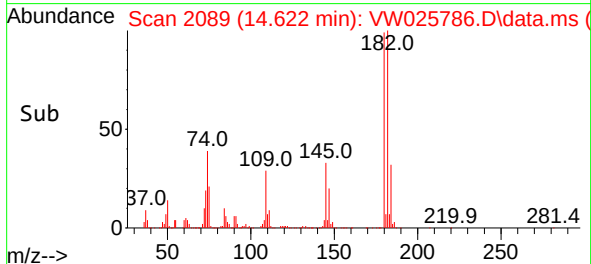


#69  
 1,3,5-Trichlorobenzene  
 Concen: 25.067 ug/L  
 RT: 14.622 min Scan# 2090  
 Delta R.T. -0.006 min  
 Lab File: VW025786.D  
 Acq: 01 May 2023 18:29

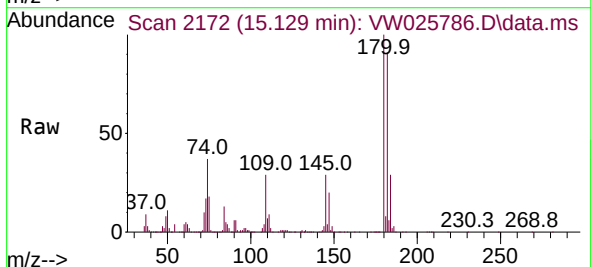
Instrument :  
 MSVOA\_W  
 ClientSampleId :



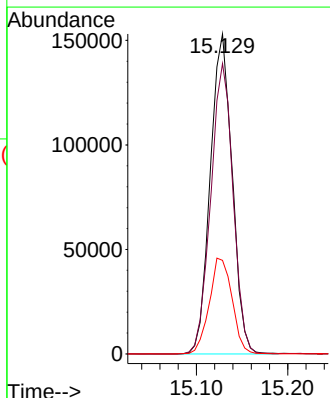
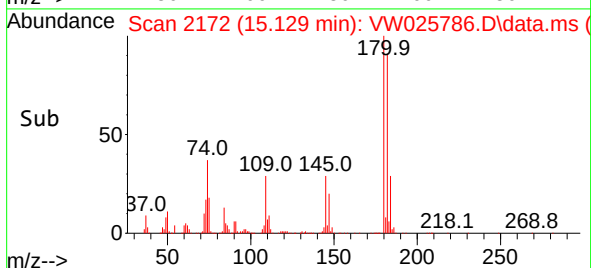
Tgt Ion:180 Resp: 295277  
 Ion Ratio Lower Upper  
 180 100  
 182 97.8 77.4 116.0  
 184 31.1 24.7 37.1  
 145 32.6 24.7 37.1

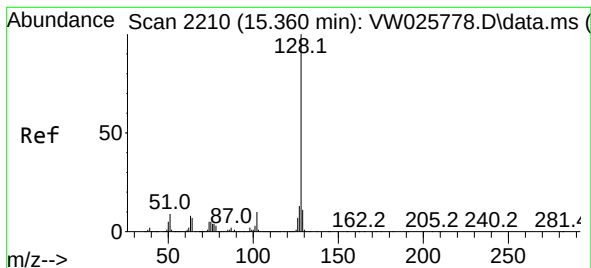


#70  
 1,2,4-trichlorobenzene  
 Concen: 25.852 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. -0.000 min  
 Lab File: VW025786.D  
 Acq: 01 May 2023 18:29



Tgt Ion:180 Resp: 255120  
 Ion Ratio Lower Upper  
 180 100  
 182 92.5 74.3 111.5  
 145 31.3 25.4 38.0





#71

Naphthalene

Concen: 26.866 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Instrument :

MSVOA\_W

ClientSampleId :

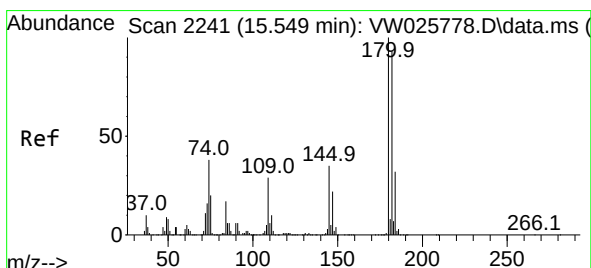
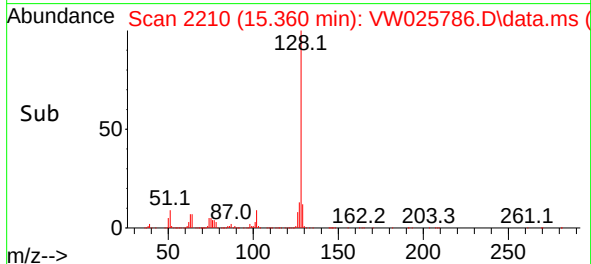
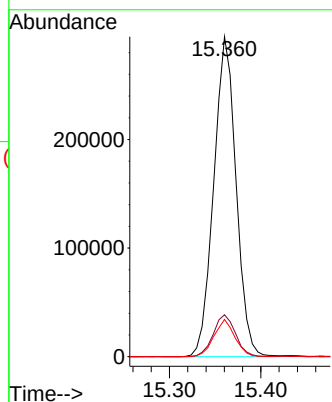
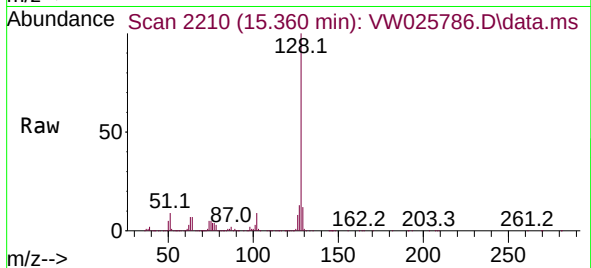
Tgt Ion:128 Resp: 500411

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 26.160 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025786.D

Acq: 01 May 2023 18:29

Tgt Ion:180 Resp: 229068

Ion Ratio Lower Upper

180 100

182 92.9 76.1 114.1

145 34.2 28.0 42.0

