

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072222\  
 Data File : VW023990.D  
 Acq On : 22 Jul 2022 07:56  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 22 23:03:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 22 01:28:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.835  | 114   | 226680   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 241664   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 146276   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 110908   | 19.156   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.640%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 75580    | 19.568   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.166  | 63    | 359      | 0.076    | ug/L   | 0.16     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 0.320%#  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 42941    | 47.817   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 95.640%  |
| 24) Chloroform-d              | 7.647  | 84    | 153027   | 23.187   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.760%  |
| 26) 1,2-Dichloroethane-d4     | 8.299  | 65    | 87889    | 21.774   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 87.080%  |
| 32) Benzene-d6                | 8.275  | 84    | 274804   | 21.875   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 84212    | 22.254   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.000%  |
| 41) Toluene-d8                | 10.323 | 98    | 273530   | 21.466   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 85.880%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 38154    | 21.511   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 86.040%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 39794    | 50.011   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.020% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 106159   | 25.386   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 101.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 117120   | 22.429   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 89.720%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 32752    | 21.262   | ug/L   | 98       |
| 3) Chloromethane              | 2.215  | 50    | 91299    | 24.202   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.355  | 62    | 156534   | 24.165   | ug/L   | 99       |
| 6) Bromomethane               | 2.769  | 94    | 99981    | 23.862   | ug/L   | 95       |
| 8) Chloroethane               | 2.916  | 64    | 71478    | 23.586   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.245  | 101   | 83340    | 28.303   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.050  | 101   | 77824    | 27.007   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.031  | 96    | 58145    | 24.198   | ug/L   | 92       |
| 13) Acetone                   | 4.123  | 43    | 33330    | 52.495   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.379  | 76    | 151578   | 21.444   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.672  | 43    | 36392    | 25.610   | ug/L   | 100      |
| 16) Methylene chloride        | 4.909  | 84    | 79775    | 22.506   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 73723    | 25.287   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 118689   | 26.314   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 147416   | 27.412   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 86946    | 26.919   | ug/L # | 96       |
| 22) 2-Butanone                | 7.171  | 43    | 54469    | 52.203   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.506  | 128   | 42742    | 27.547   | ug/L   | 95       |
| 25) Chloroform                | 7.671  | 83    | 173113   | 27.942   | ug/L   | 96       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Jul 22 23:03:08 2022  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 22 01:28:21 2022  
 Response via : Initial Calibration

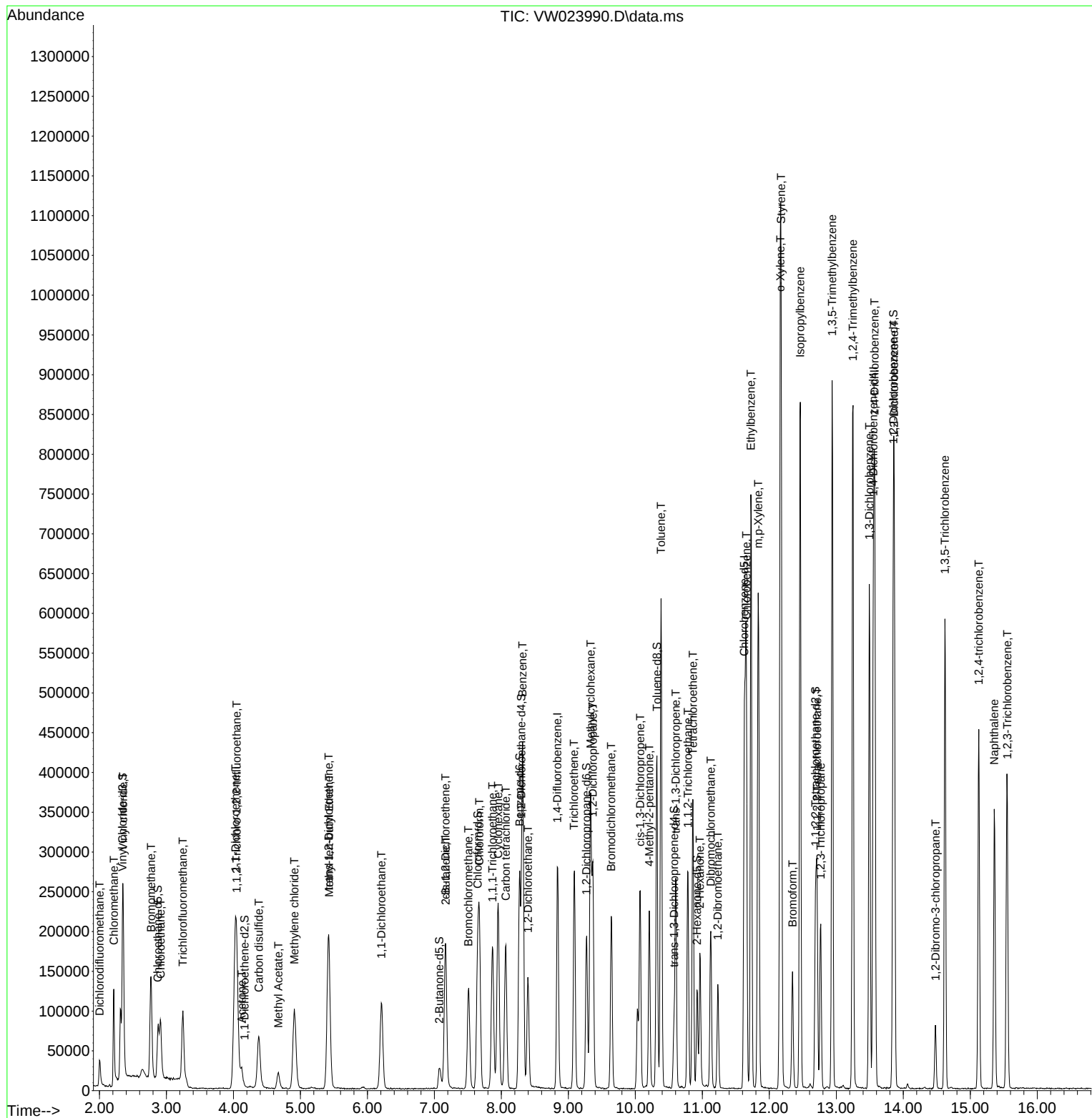
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 121332   | 26.609 | ug/L   | 99       |
| 29) Cyclohexane               | 7.951  | 56   | 110746   | 25.056 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 141906   | 27.120 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 127584   | 27.048 | ug/L   | 96       |
| 33) Benzene                   | 8.317  | 78   | 361546   | 26.327 | ug/L   | 100      |
| 34) Trichloroethene           | 9.085  | 95   | 90996    | 25.092 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 140928   | 25.520 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 94759    | 27.523 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 137820   | 28.681 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 136608   | 26.325 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 134237   | 56.029 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 429257   | 27.408 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 137435   | 27.864 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 81555    | 27.090 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.859 | 164  | 73030    | 26.044 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.963 | 43   | 101098   | 57.958 | ug/L   | 100      |
| 49) Dibromochloromethane      | 11.128 | 129  | 98300    | 28.156 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 79835    | 27.603 | ug/L # | 95       |
| 51) Chlorobenzene             | 11.658 | 112  | 289997   | 27.454 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.725 | 91   | 504302   | 28.335 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.835 | 106  | 198677   | 28.612 | ug/L   | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 191851   | 28.769 | ug/L   | 97       |
| 55) Styrene                   | 12.176 | 104  | 350451   | 29.747 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 116688   | 28.417 | ug/L   | 99       |
| 59) Bromoform                 | 12.347 | 173  | 58878    | 27.297 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 530784   | 27.013 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 82217    | 25.633 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 443848   | 27.591 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 452356   | 28.125 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 239582   | 26.855 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 254739   | 26.839 | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 234139   | 27.828 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 18874    | 25.513 | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 158167   | 26.785 | ug/L   | 92       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 129725   | 28.450 | ug/L   | 98       |
| 71) Naphthalene               | 15.359 | 128  | 280101   | 28.637 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 119061   | 28.014 | ug/L   | 98       |

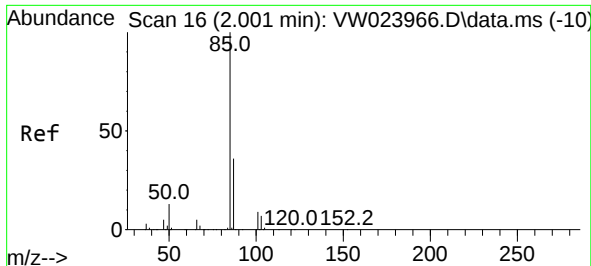
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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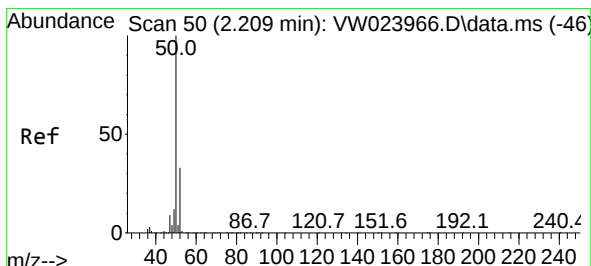
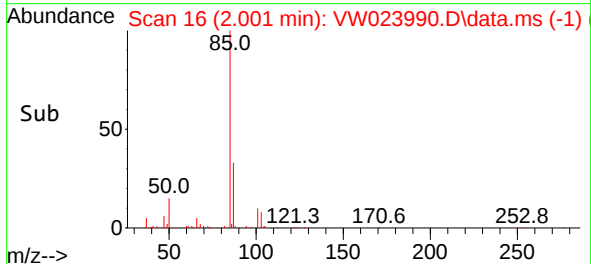
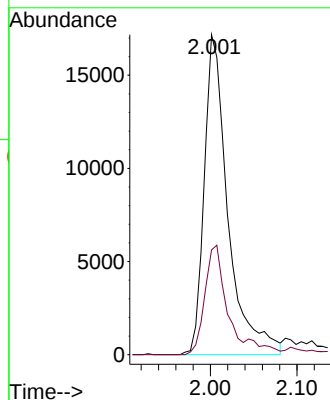
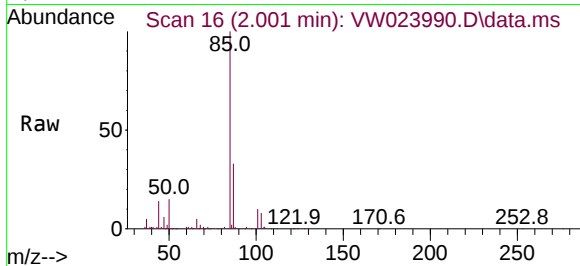




#2  
 Dichlorodifluoromethane  
 Concen: 21.262 ug/L  
 RT: 2.001 min Scan# 1  
 Delta R.T. -0.000 min  
 Lab File: VW023990.D  
 Acq: 22 Jul 2022 07:56

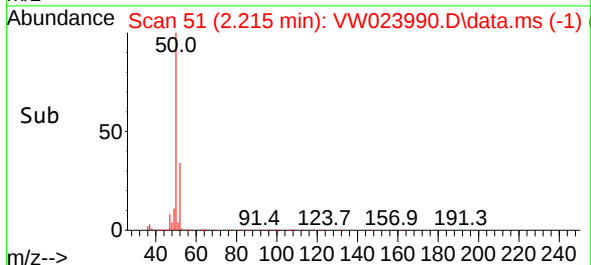
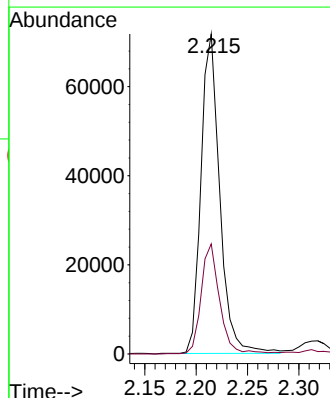
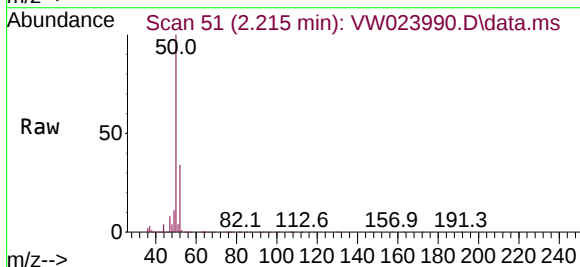
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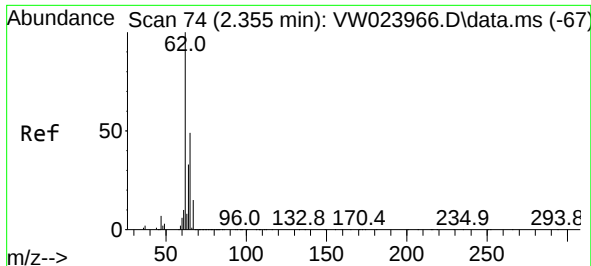
Tgt Ion: 85 Resp: 32752  
 Ion Ratio Lower Upper  
 85 100  
 87 30.0 24.7 37.1



#3  
 Chloromethane  
 Concen: 24.202 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. 0.006 min  
 Lab File: VW023990.D  
 Acq: 22 Jul 2022 07:56

Tgt Ion: 50 Resp: 91299  
 Ion Ratio Lower Upper  
 50 100  
 52 34.4 23.7 44.1

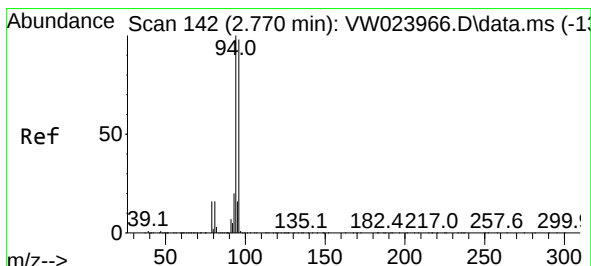
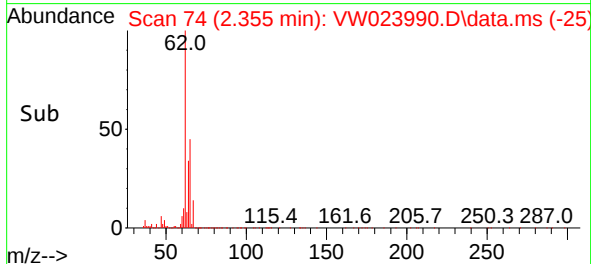
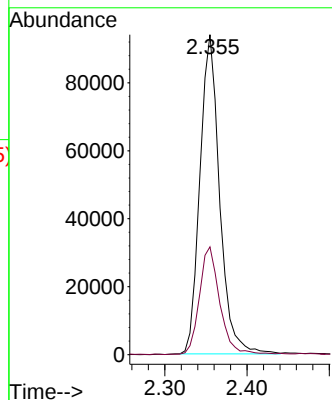
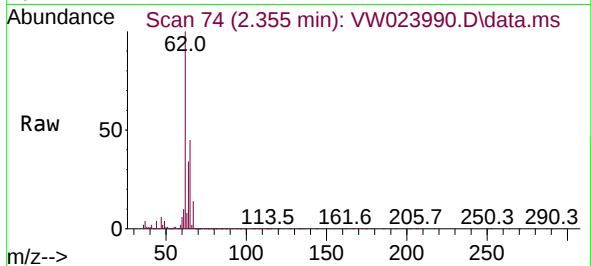




#5  
 Vinyl chloride  
 Concen: 24.165 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.000 min  
 Lab File: VW023990.D  
 Acq: 22 Jul 2022 07:56

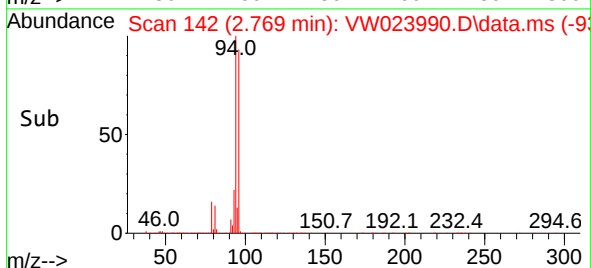
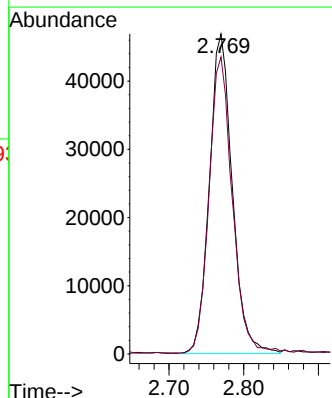
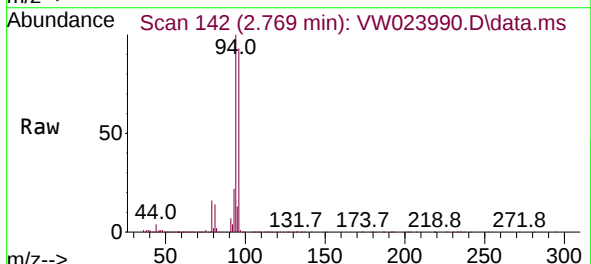
Instrument :  
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 ClientSampleId :

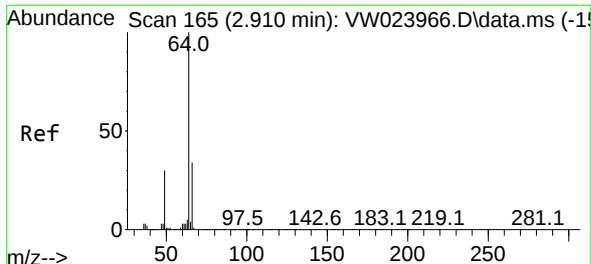
Tgt Ion: 62 Resp: 156534  
 Ion Ratio Lower Upper  
 62 100  
 64 33.7 24.0 44.6



#6  
 Bromomethane  
 Concen: 23.862 ug/L  
 RT: 2.769 min Scan# 142  
 Delta R.T. -0.000 min  
 Lab File: VW023990.D  
 Acq: 22 Jul 2022 07:56

Tgt Ion: 94 Resp: 99981  
 Ion Ratio Lower Upper  
 94 100  
 96 92.8 68.2 126.6

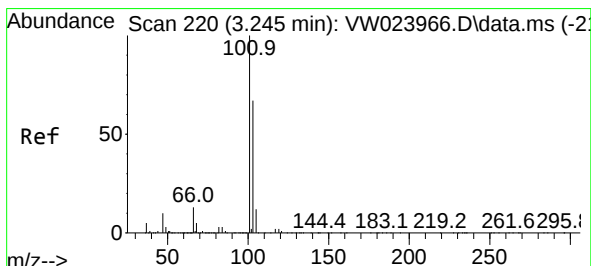
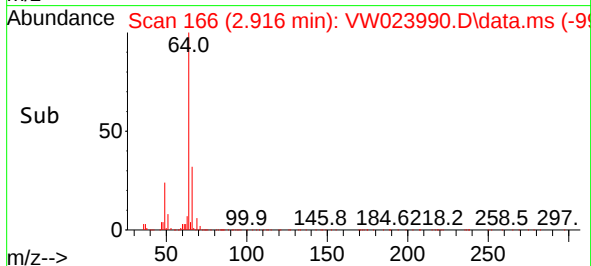
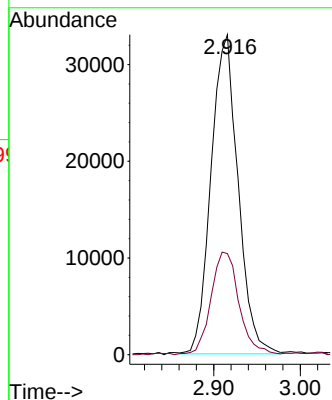
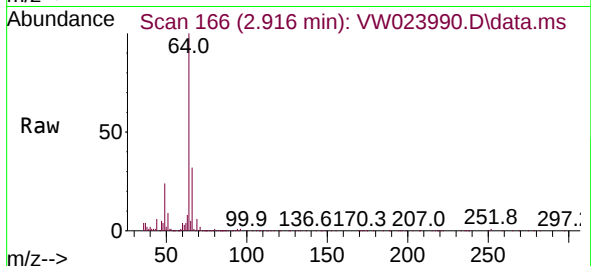




#8  
Chloroethane  
Concen: 23.586 ug/L  
RT: 2.916 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

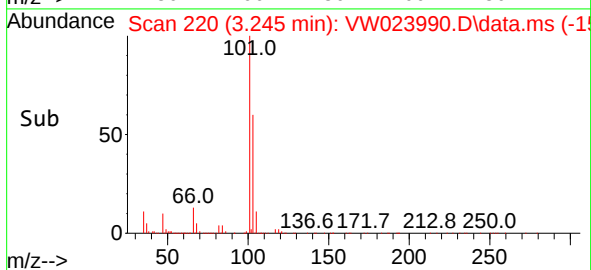
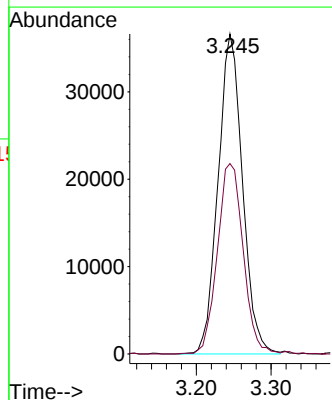
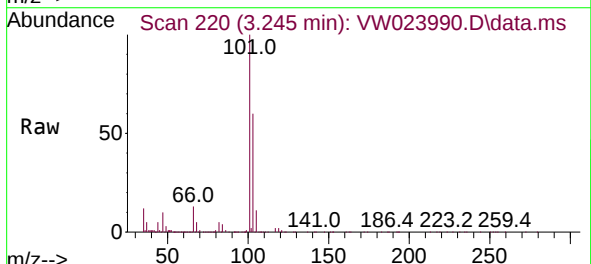
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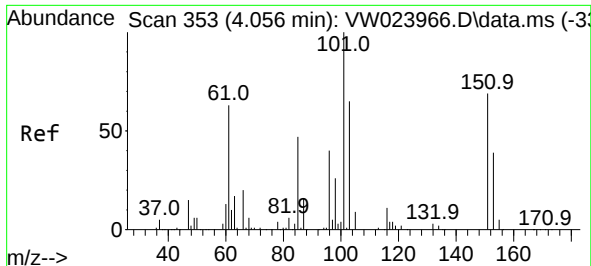
Tgt Ion: 64 Resp: 71478  
Ion Ratio Lower Upper  
64 100  
66 31.6 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 28.303 ug/L  
RT: 3.245 min Scan# 220  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion: 101 Resp: 83340  
Ion Ratio Lower Upper  
101 100  
103 62.7 52.1 78.1

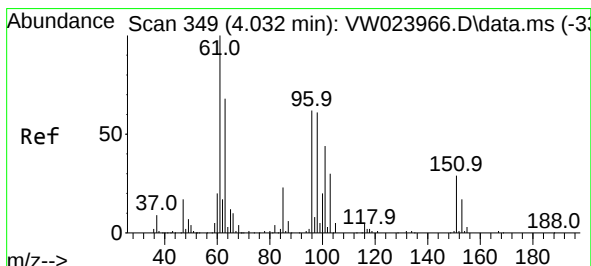
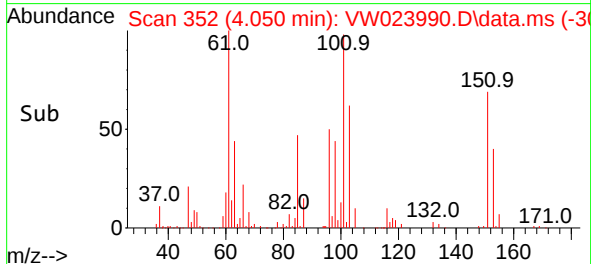
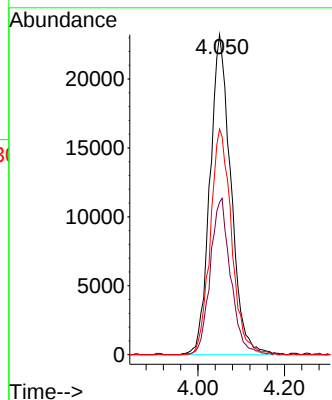
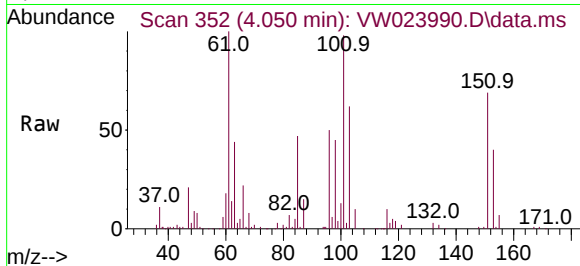




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 27.007 ug/L  
RT: 4.050 min Scan# 353  
Delta R.T. -0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

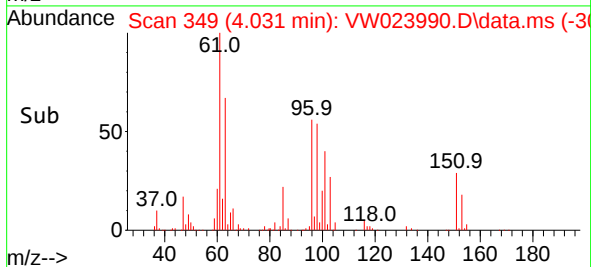
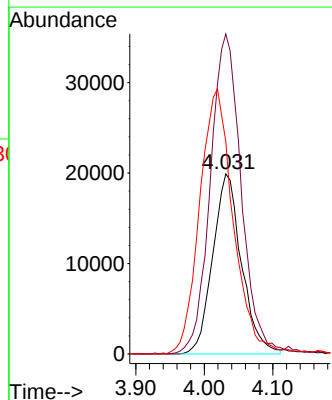
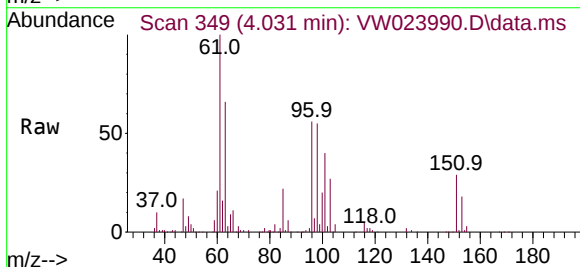
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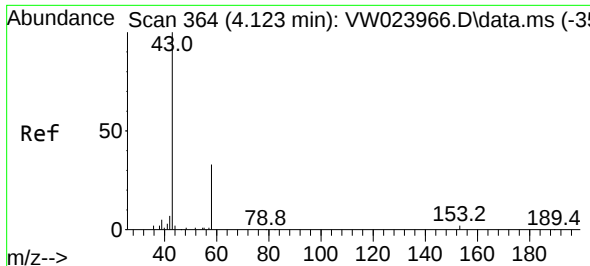
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Ion Ratio Lower Upper  
101 100  
85 47.0 37.6 56.4  
151 71.1 57.6 86.4



#12  
1,1-Dichloroethene  
Concen: 24.198 ug/L  
RT: 4.031 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

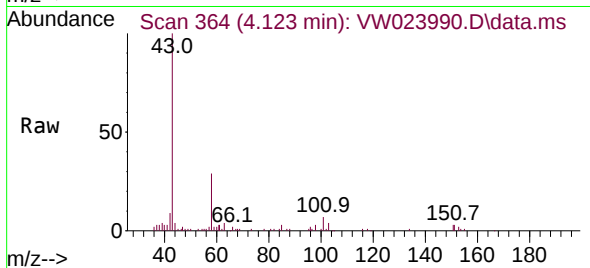
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Ion Ratio Lower Upper  
96 100  
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63 118.1 97.4 180.8



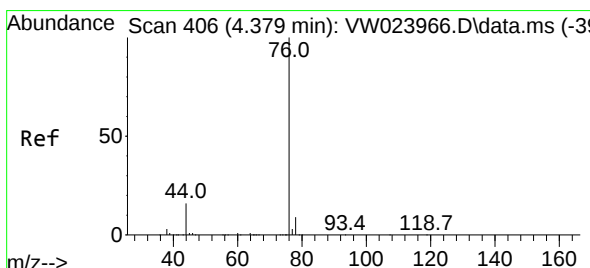
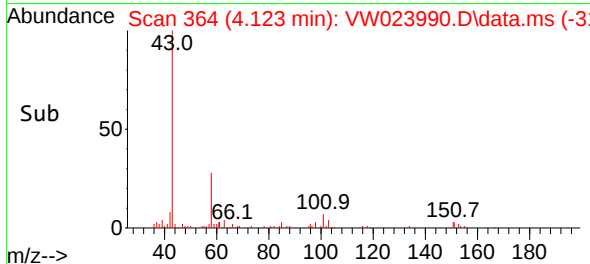
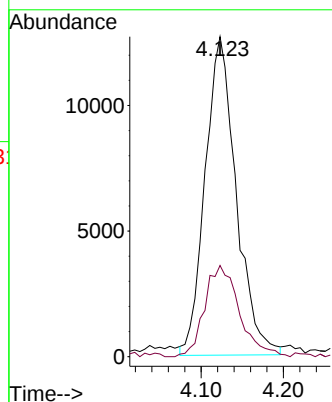


#13  
Acetone  
Concen: 52.495 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Instrument :  
MSVOA\_W  
ClientSampleId :

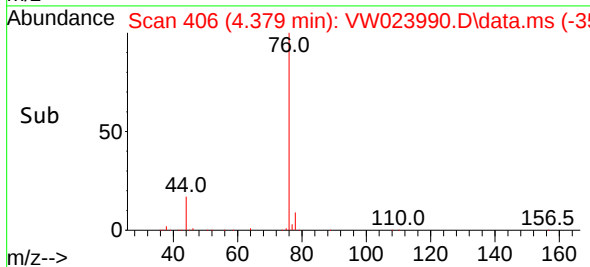
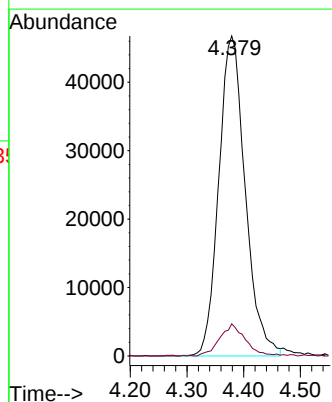
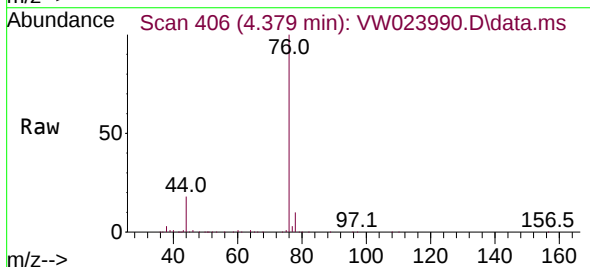


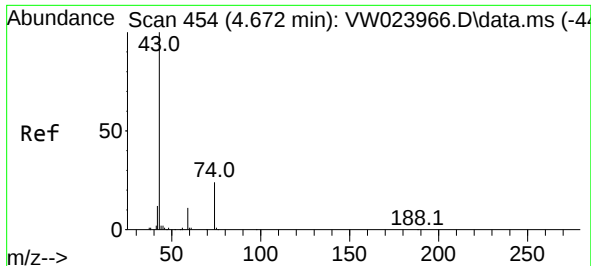
Tgt Ion: 43 Resp: 33330  
Ion Ratio Lower Upper  
43 100  
58 31.9 0.0 64.2



#14  
Carbon disulfide  
Concen: 21.444 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion: 76 Resp: 151578  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.2 10.8

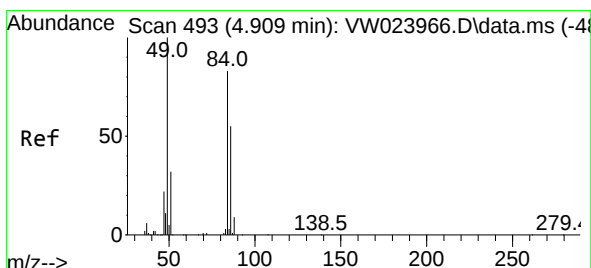
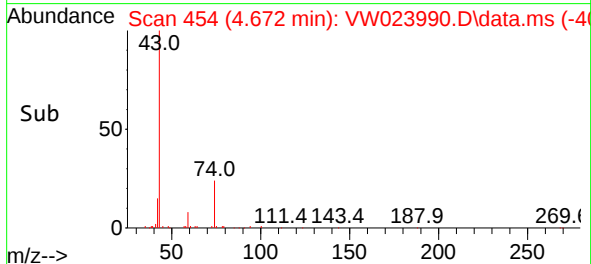
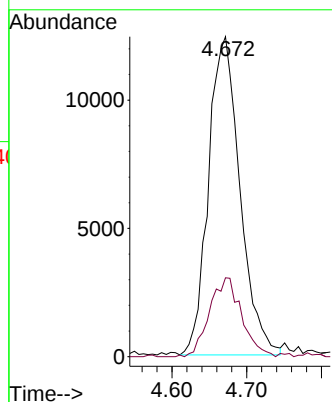
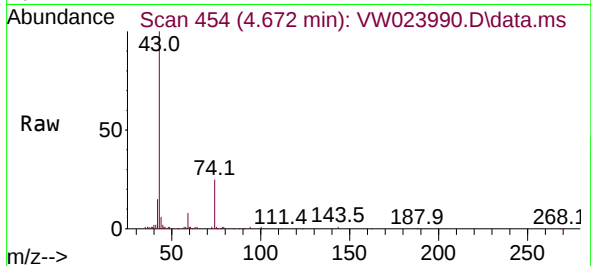




#15  
Methyl Acetate  
Concen: 25.610 ug/L  
RT: 4.672 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

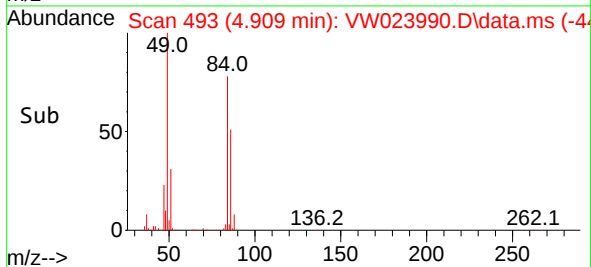
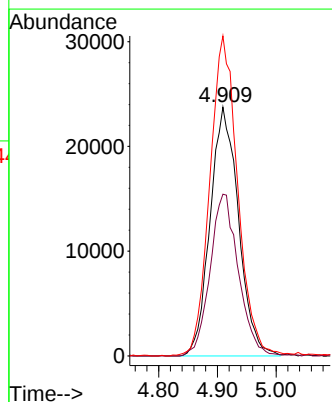
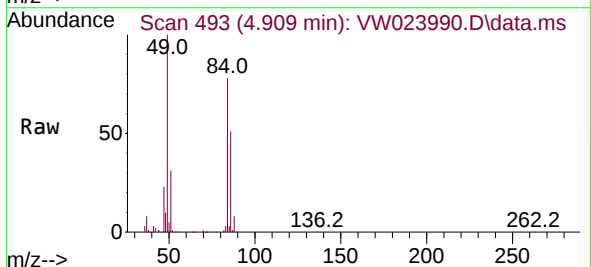
Instrument :  
MSVOA\_W  
ClientSampleId :

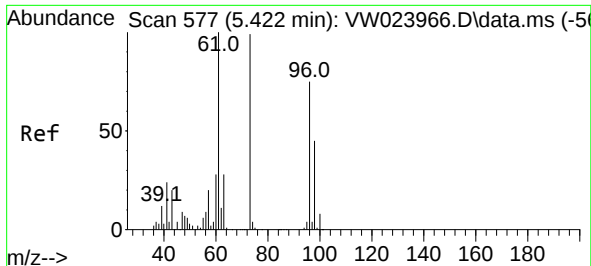
Tgt Ion: 43 Resp: 36392  
Ion Ratio Lower Upper  
43 100  
74 25.1 20.0 30.0



#16  
Methylene chloride  
Concen: 22.506 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

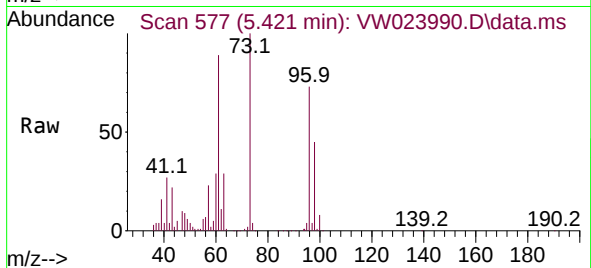
Tgt Ion: 84 Resp: 79775  
Ion Ratio Lower Upper  
84 100  
86 65.0 42.8 79.6  
49 128.6 85.4 158.6





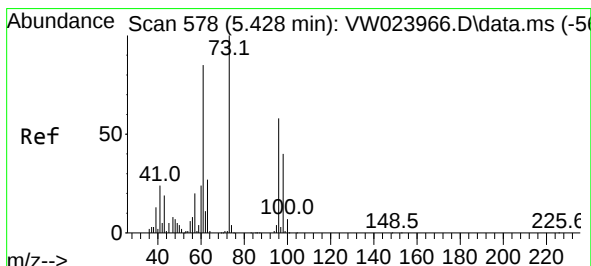
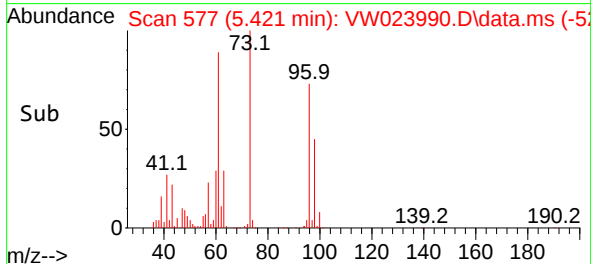
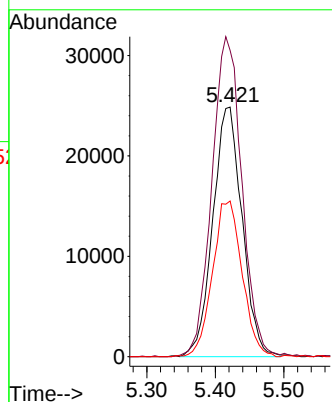
#17  
trans-1,2-Dichloroethene  
Concen: 25.287 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 73723

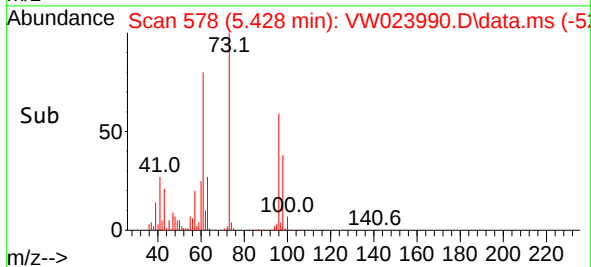
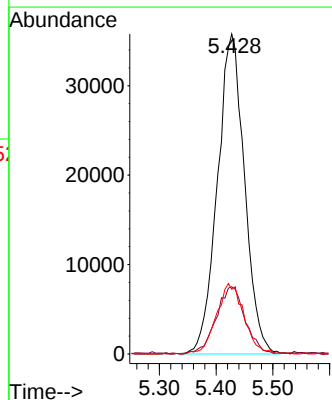
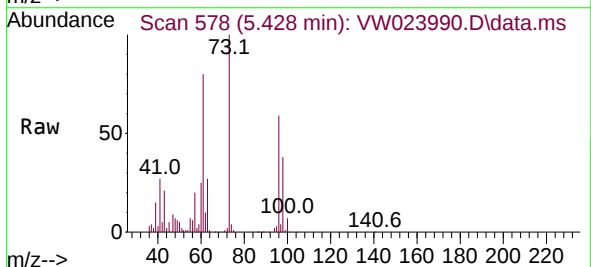
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 122.7 | 90.8  | 168.6 |
| 98  | 62.4  | 42.8  | 79.6  |

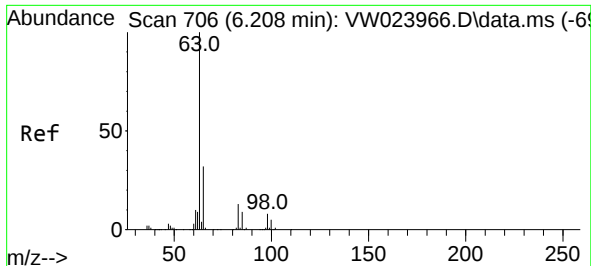


#18  
Methyl tert-butyl Ether  
Concen: 26.314 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion: 73 Resp: 118689

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 22.4  | 17.6  | 26.4  |
| 57  | 21.9  | 16.8  | 25.2  |





#19

1,1-Dichloroethane

Concen: 27.412 ug/L

RT: 6.208 min Scan# 706

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

ClientSampleId :

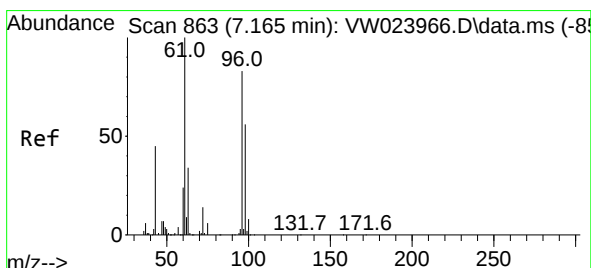
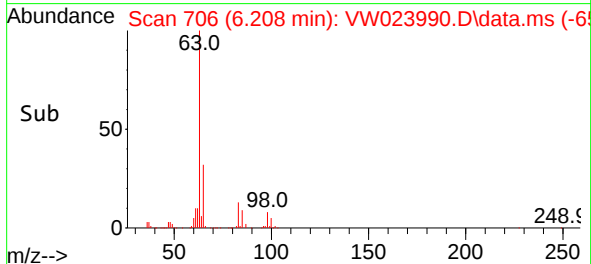
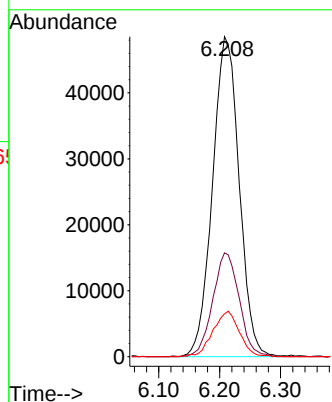
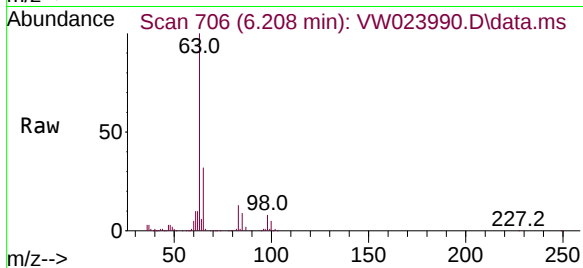
Tgt Ion: 63 Resp: 147416

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.1

83 13.4 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 26.919 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

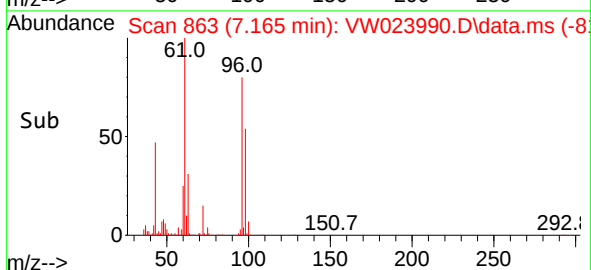
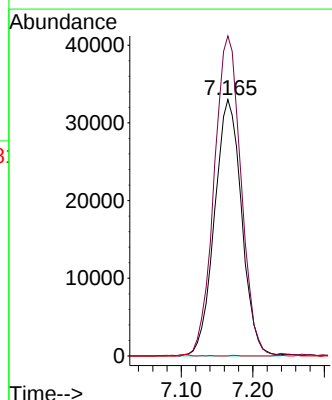
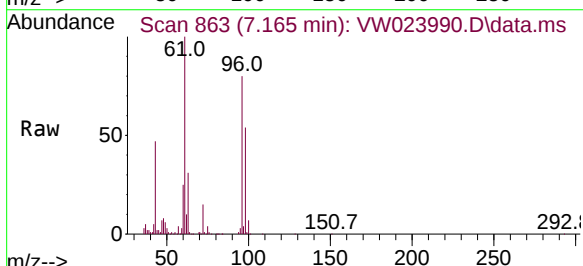
Tgt Ion: 96 Resp: 86946

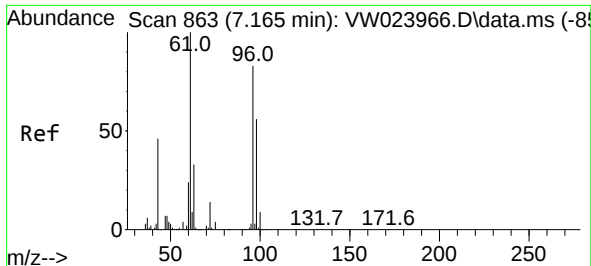
Ion Ratio Lower Upper

96 100

61 124.7 90.6 168.2

68 0.0 0.2 0.4

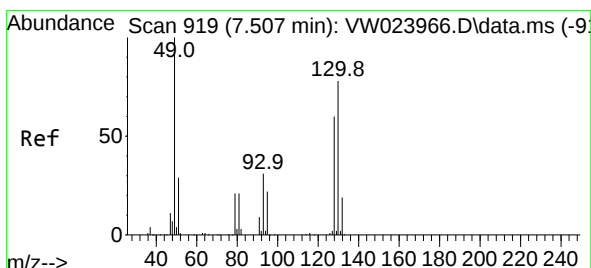
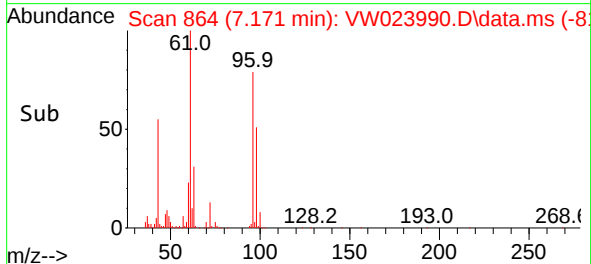
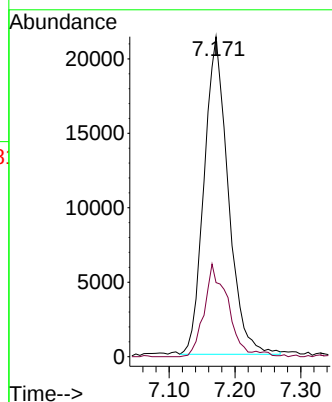
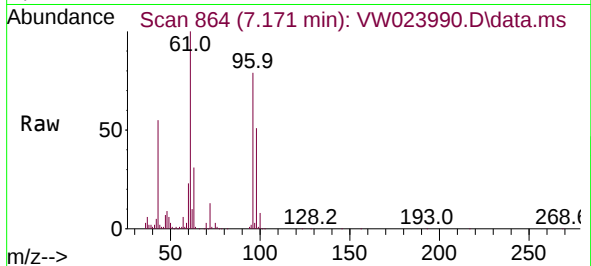




#22  
2-Butanone  
Concen: 52.203 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

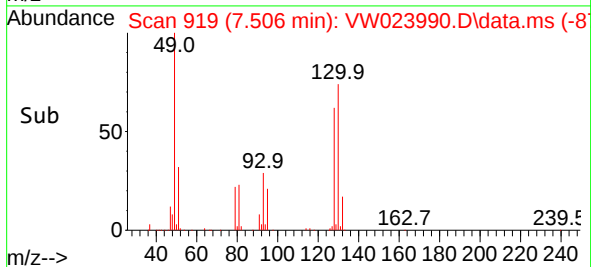
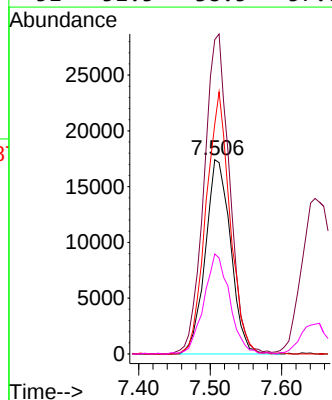
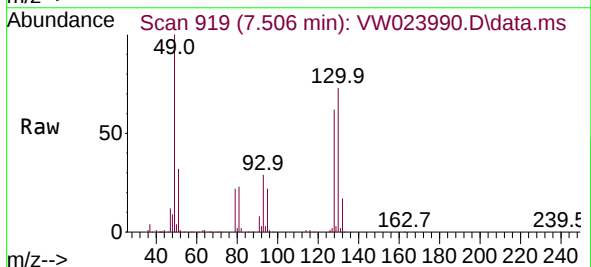
Instrument :  
MSVOA\_W  
ClientSampleId :

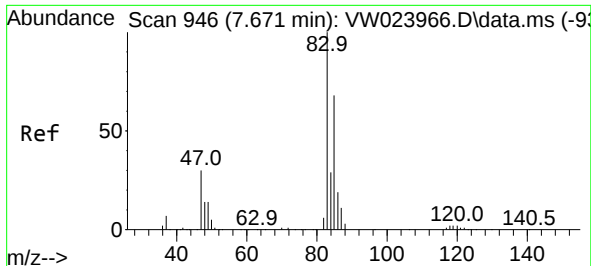
Tgt Ion: 43 Resp: 54469  
Ion Ratio Lower Upper  
43 100  
72 28.1 14.7 44.1



#23  
Bromochloromethane  
Concen: 27.547 ug/L  
RT: 7.506 min Scan# 919  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion: 128 Resp: 42742  
Ion Ratio Lower Upper  
128 100  
49 161.9 106.0 196.8  
130 118.3 83.2 154.4  
51 51.5 38.5 57.7

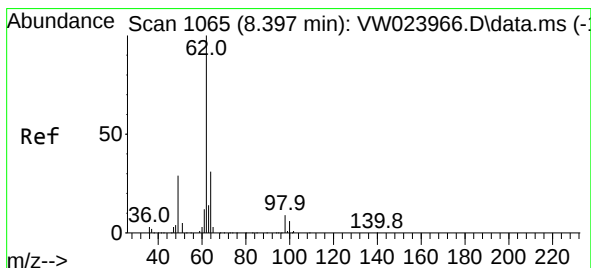
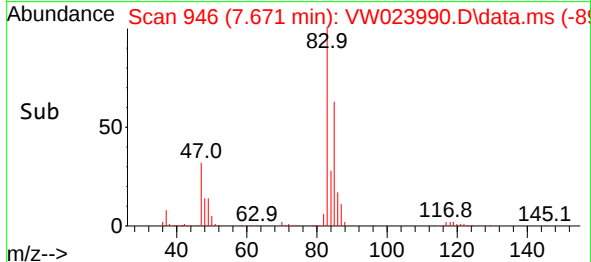
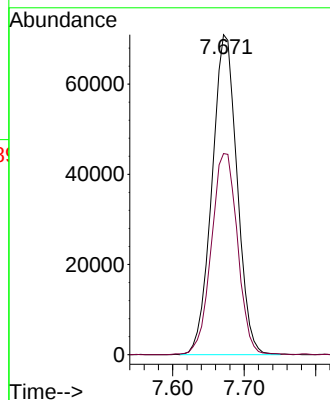
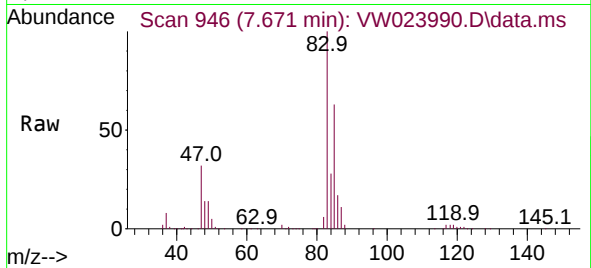




#25  
Chloroform  
Concen: 27.942 ug/L  
RT: 7.671 min Scan# 946  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

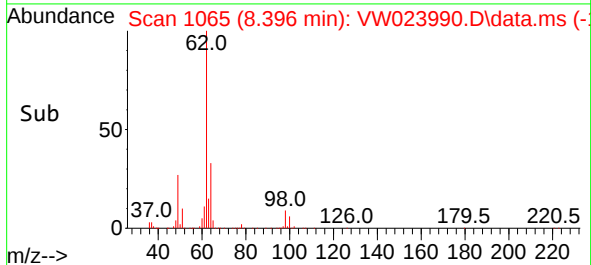
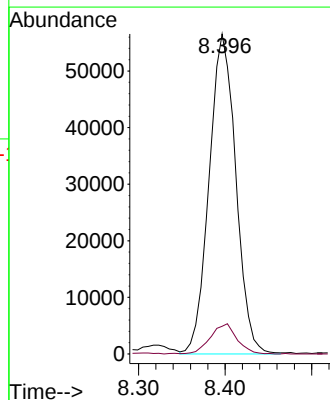
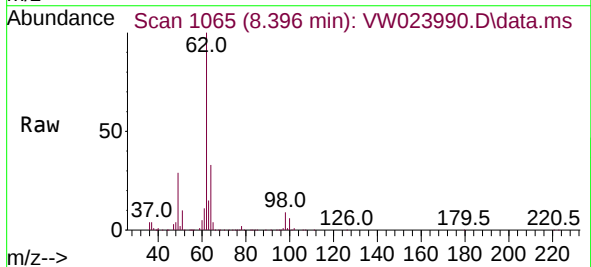
Instrument :  
MSVOA\_W  
ClientSampleId :

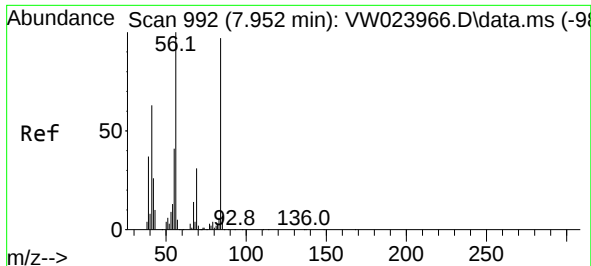
Tgt Ion: 83 Resp: 173113  
Ion Ratio Lower Upper  
83 100  
85 62.9 41.9 77.9



#27  
1,2-Dichloroethane  
Concen: 26.609 ug/L  
RT: 8.396 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion: 62 Resp: 121332  
Ion Ratio Lower Upper  
62 100  
98 8.6 7.2 10.8





#29

Cyclohexane

Concen: 25.056 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

ClientSampleId :

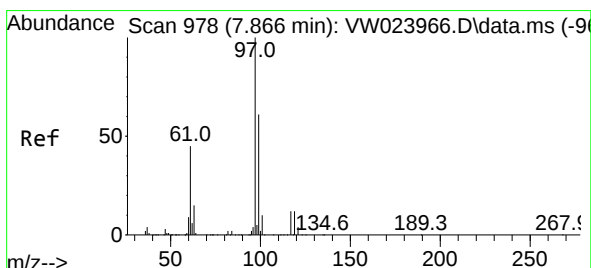
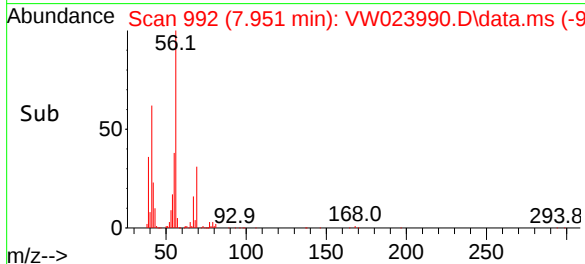
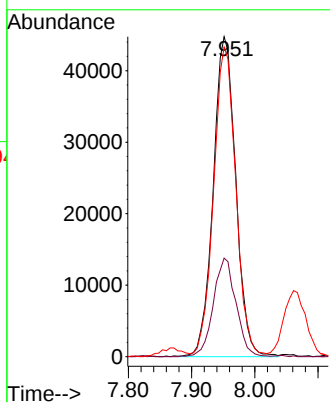
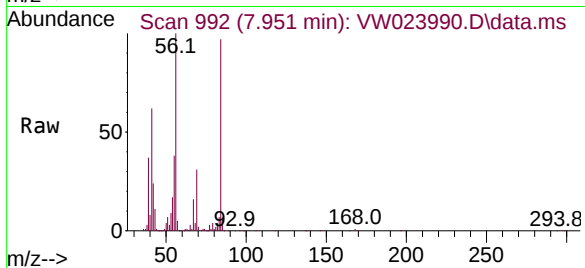
Tgt Ion: 56 Resp: 110746

Ion Ratio Lower Upper

56 100

69 30.8 25.4 38.0

84 95.5 75.0 112.4



#30

1,1,1-Trichloroethane

Concen: 27.120 ug/L

RT: 7.866 min Scan# 978

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

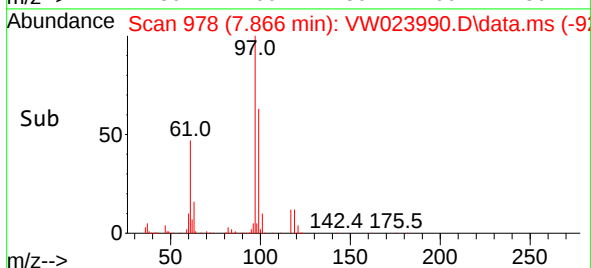
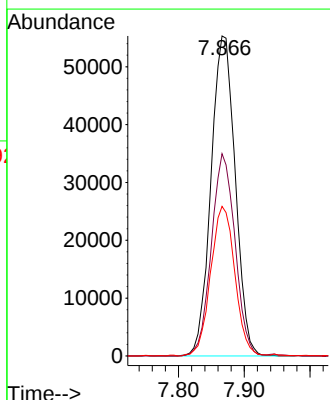
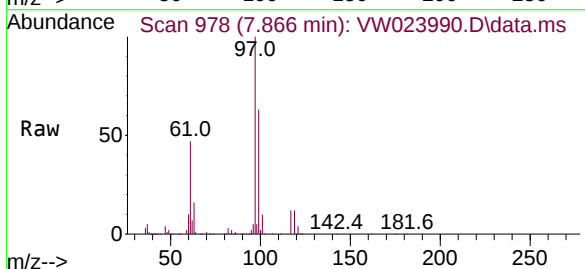
Tgt Ion: 97 Resp: 141906

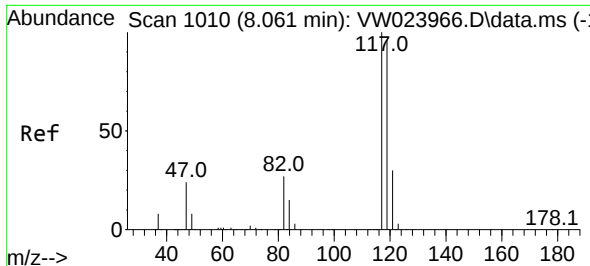
Ion Ratio Lower Upper

97 100

99 61.6 51.0 76.6

61 46.7 37.5 56.3

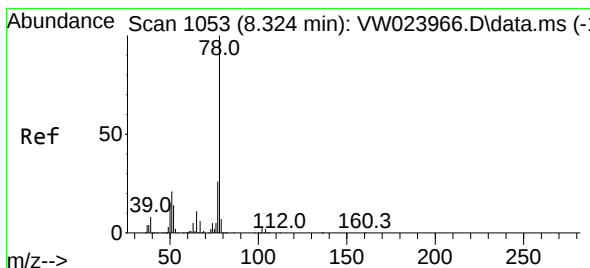
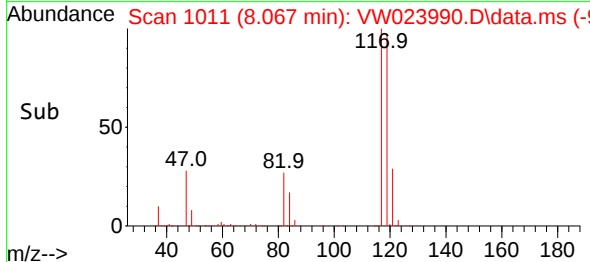
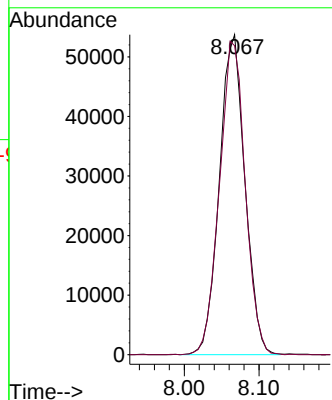
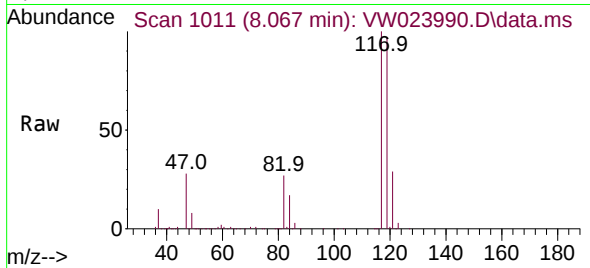




#31  
Carbon tetrachloride  
Concen: 27.048 ug/L  
RT: 8.067 min Scan# 1010  
Delta R.T. 0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

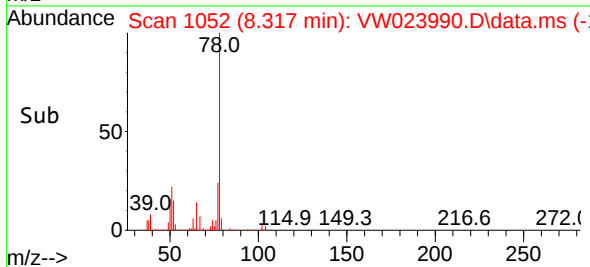
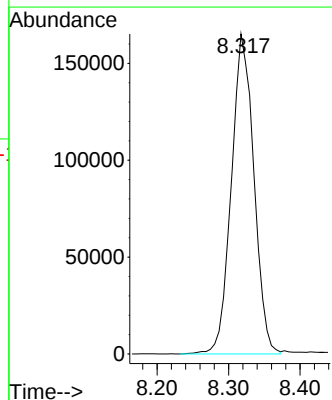
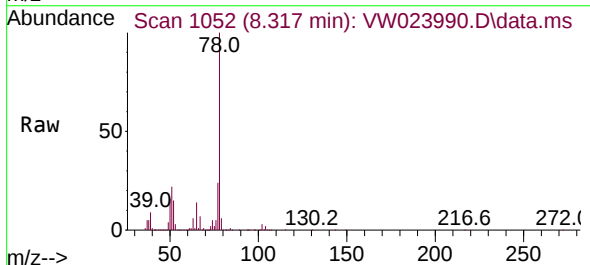
Instrument :  
MSVOA\_W  
ClientSampleId :

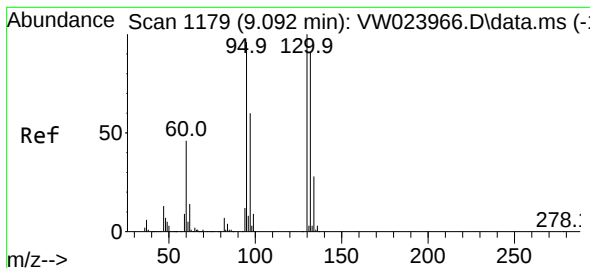
Tgt Ion:117 Resp: 127584  
Ion Ratio Lower Upper  
117 100  
119 98.8 75.7 113.5



#33  
Benzene  
Concen: 26.327 ug/L  
RT: 8.317 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion: 78 Resp: 361546





#34

Trichloroethene

Concen: 25.092 ug/L

RT: 9.085 min Scan# 1178

Delta R.T. -0.006 min

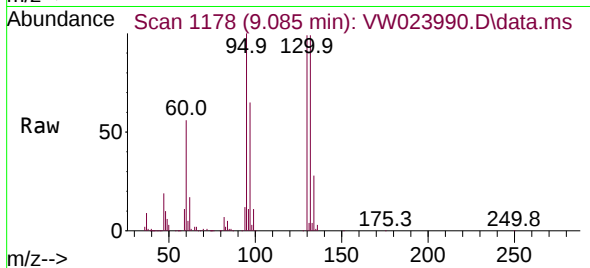
Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 90996

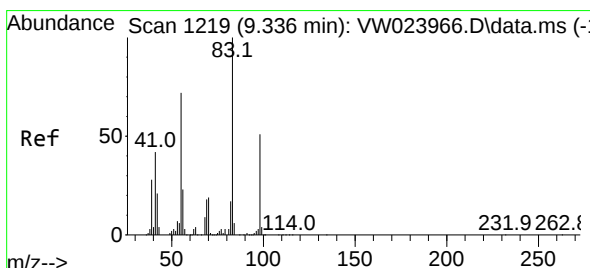
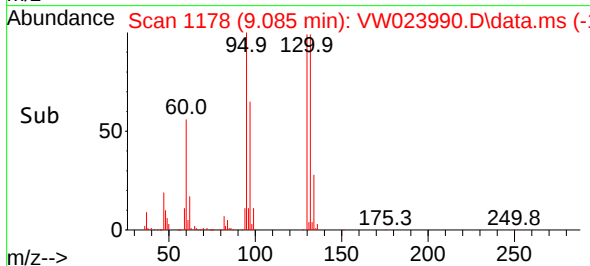
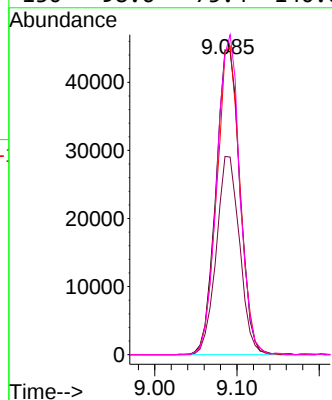
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.8

132 99.3 69.9 129.7

130 98.6 75.4 140.0



#35

Methylcyclohexane

Concen: 25.520 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

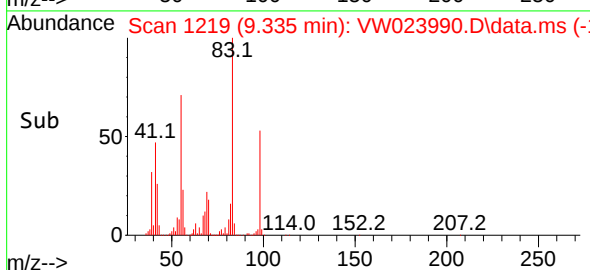
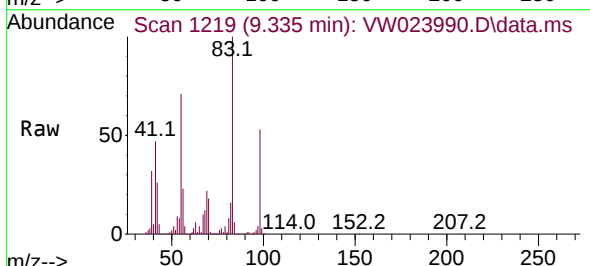
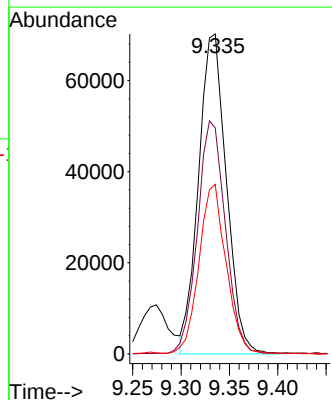
Tgt Ion: 83 Resp: 140928

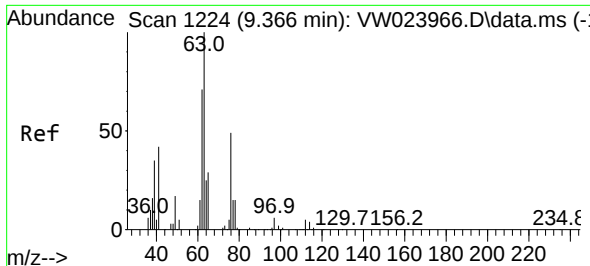
Ion Ratio Lower Upper

83 100

55 73.2 60.8 91.2

98 51.6 39.5 59.3





#37

1,2-Dichloropropane

Concen: 27.523 ug/L

RT: 9.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

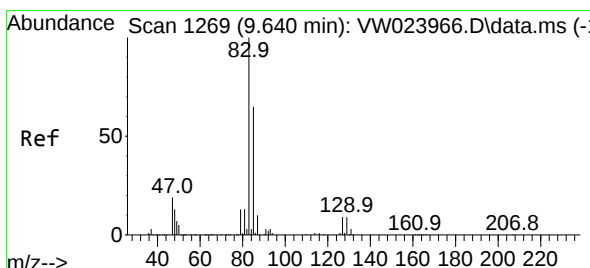
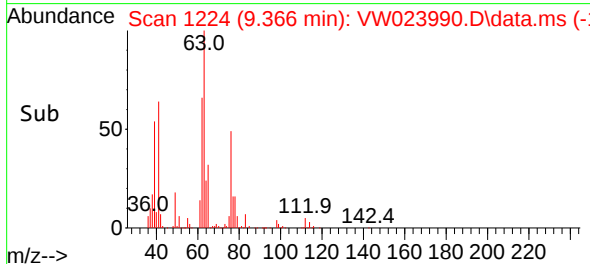
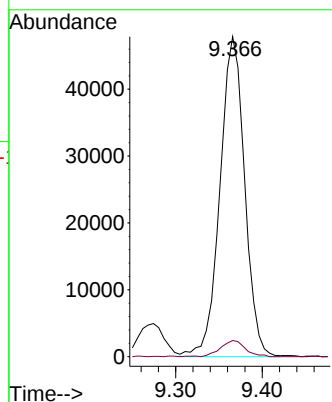
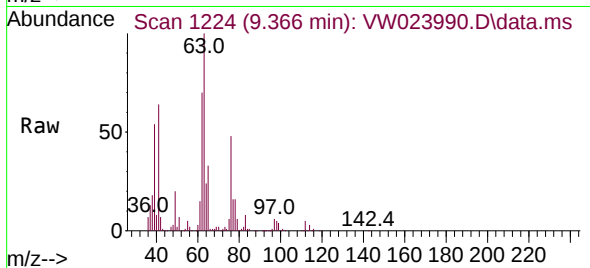
ClientSampleId :

Tgt Ion: 63 Resp: 94759

Ion Ratio Lower Upper

63 100

112 5.0 4.2 6.2



#38

Bromodichloromethane

Concen: 28.681 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

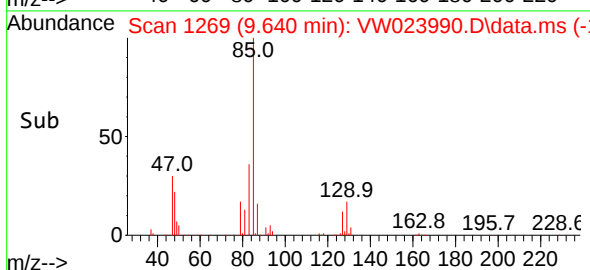
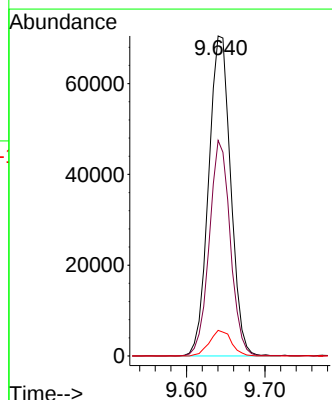
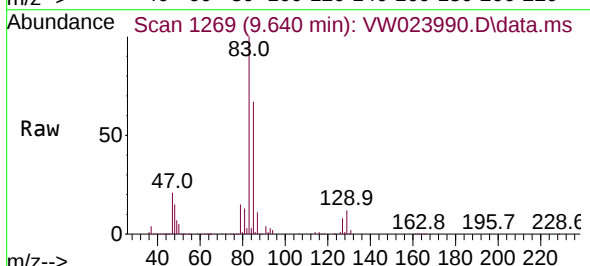
Tgt Ion: 83 Resp: 137820

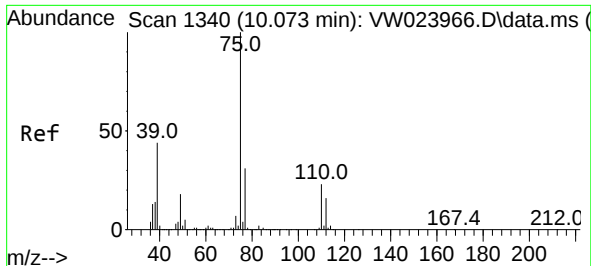
Ion Ratio Lower Upper

83 100

85 67.3 45.5 84.5

127 8.0 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 26.325 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

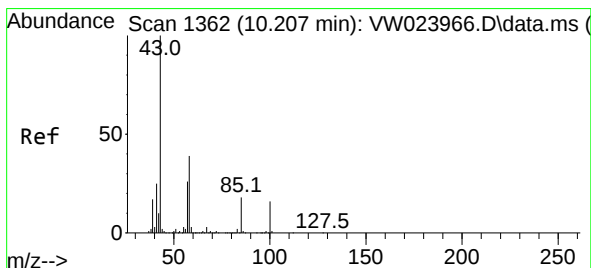
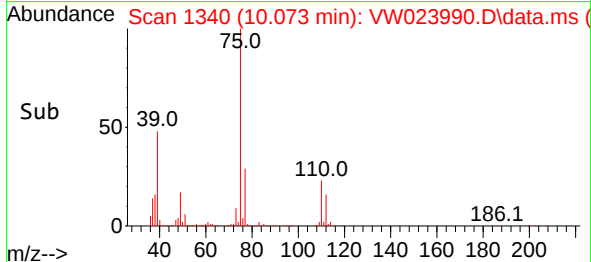
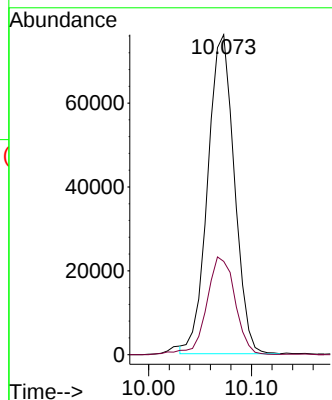
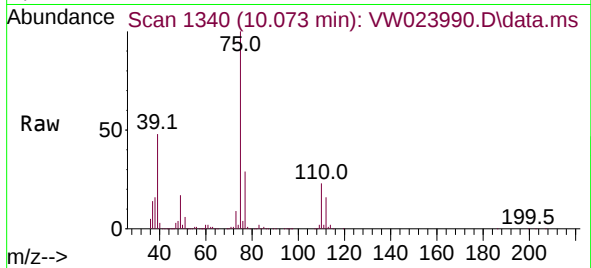
ClientSampleId :

Tgt Ion: 75 Resp: 136608

Ion Ratio Lower Upper

75 100

77 29.1 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 56.029 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

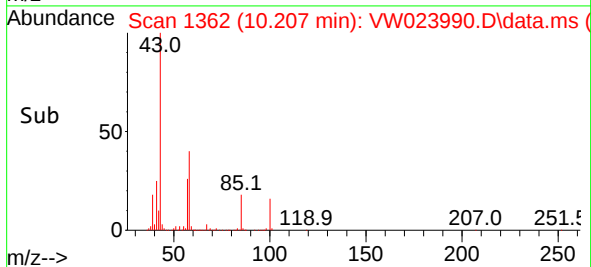
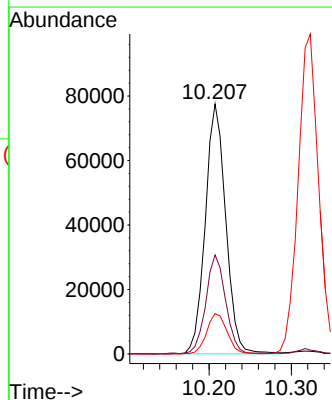
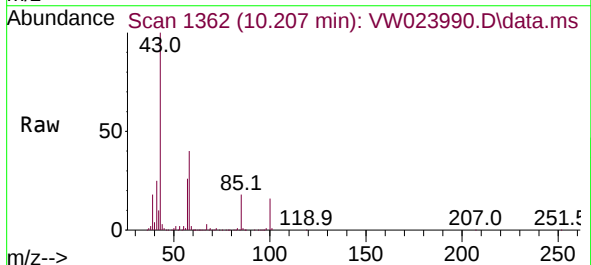
Tgt Ion: 43 Resp: 134237

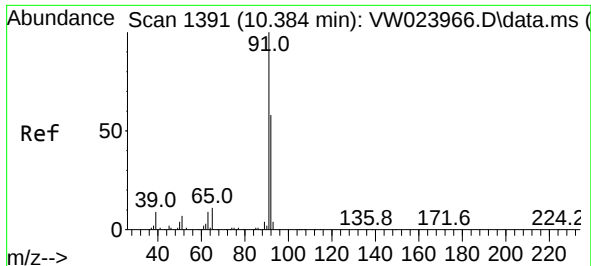
Ion Ratio Lower Upper

43 100

58 38.3 29.8 44.8

100 16.2 13.0 19.4

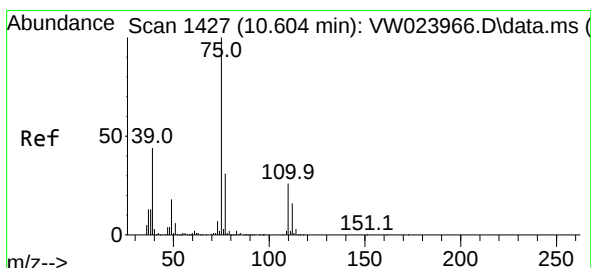
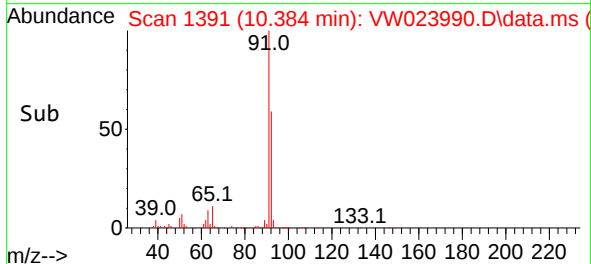
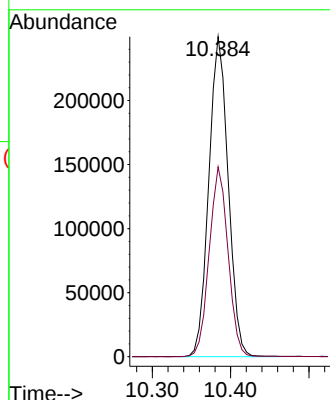
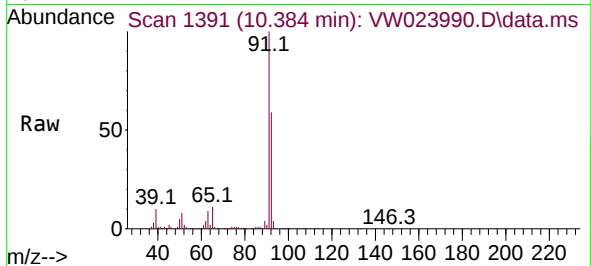




#42  
Toluene  
Concen: 27.408 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

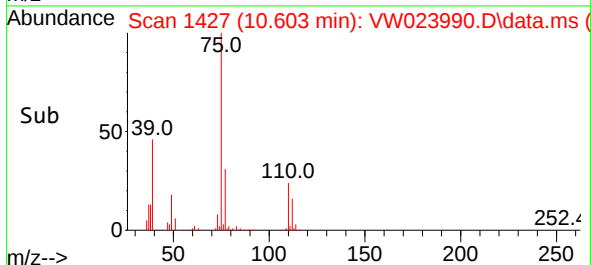
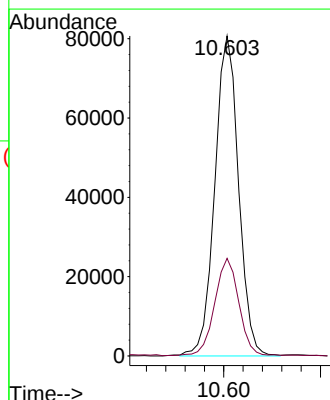
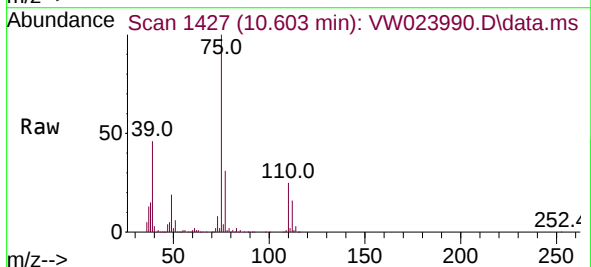
Instrument :  
MSVOA\_W  
ClientSampleId :

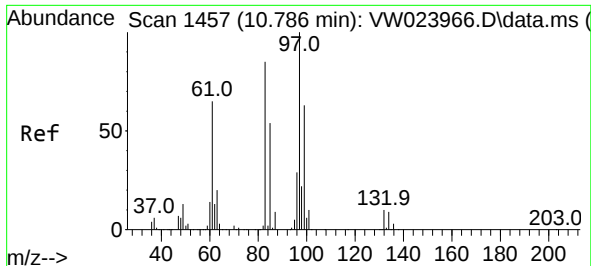
Tgt Ion: 91 Resp: 429257  
Ion Ratio Lower Upper  
91 100  
92 59.3 39.9 74.1



#44  
trans-1,3-Dichloropropene  
Concen: 27.864 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion: 75 Resp: 137435  
Ion Ratio Lower Upper  
75 100  
77 30.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 27.090 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

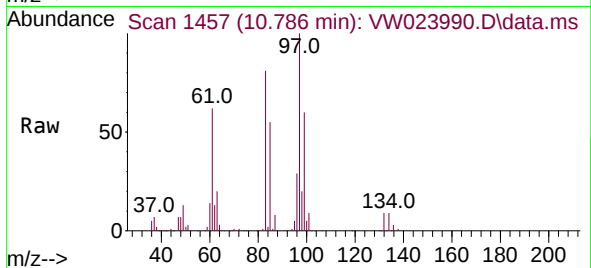
Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 97 Resp: 81555

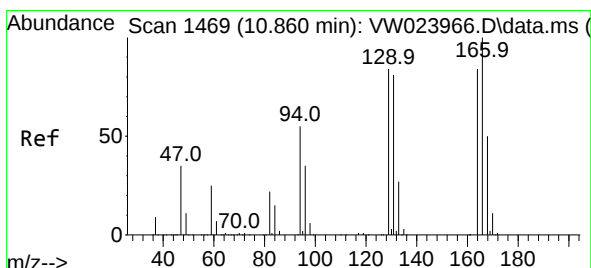
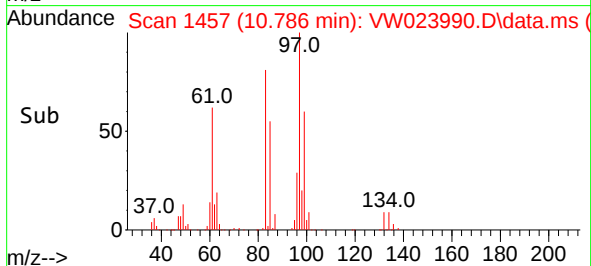
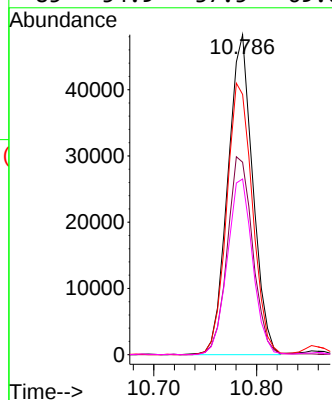
Ion Ratio Lower Upper

97 100

99 60.2 44.2 82.2

83 81.4 59.8 111.0

85 54.9 37.5 69.6



#46

Tetrachloroethene

Concen: 26.044 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Tgt Ion: 164 Resp: 73030

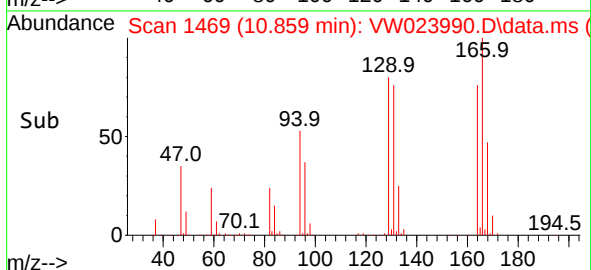
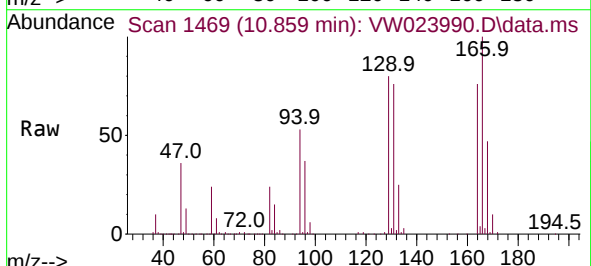
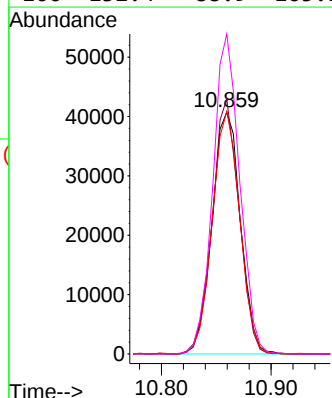
Ion Ratio Lower Upper

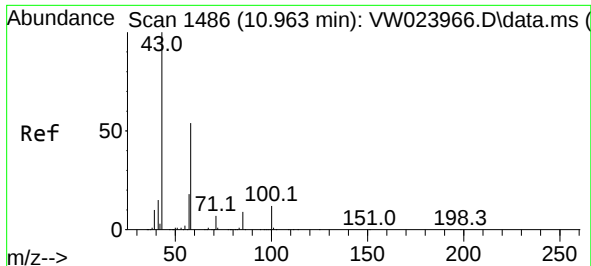
164 100

129 105.5 72.4 134.5

131 100.4 67.8 125.8

166 132.4 88.9 165.1

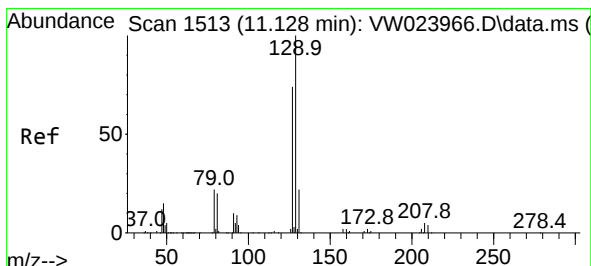
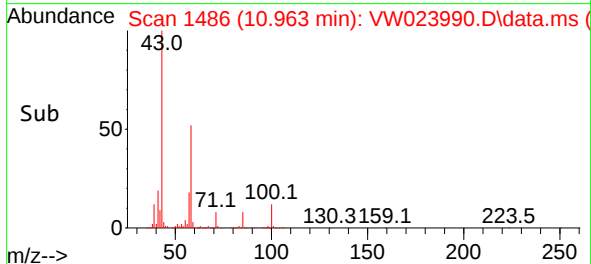
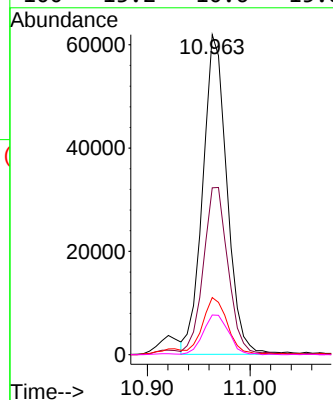
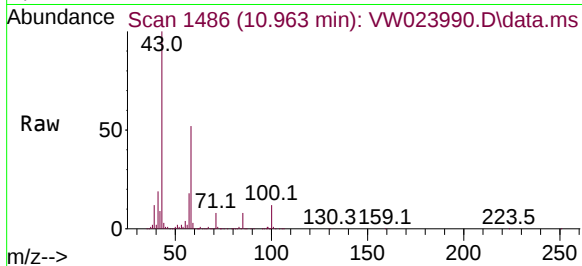




#48  
2-Hexanone  
Concen: 57.958 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

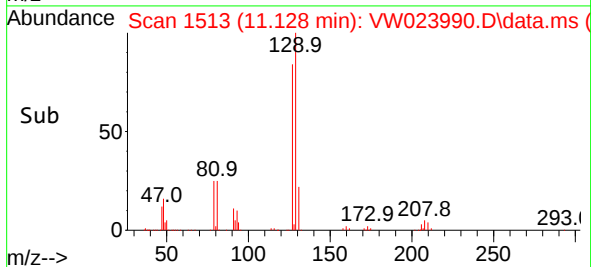
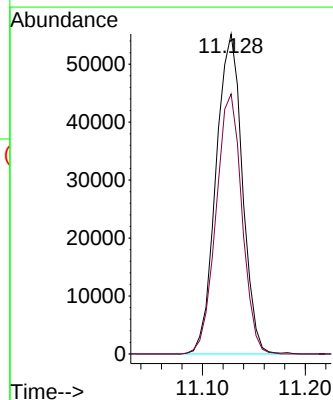
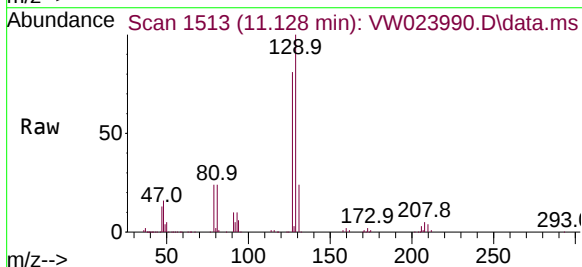
Instrument :  
MSVOA\_W  
ClientSampleId :

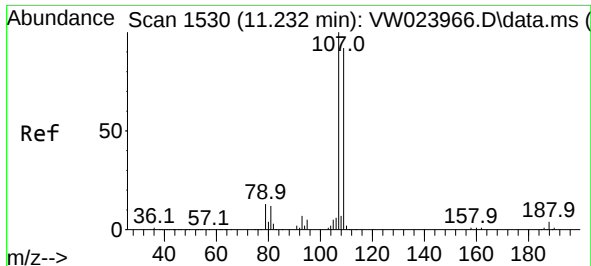
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 101098 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 58 52.1     | 41.6 62.4    |
| 57 18.2     | 14.6 21.8    |
| 100 13.2    | 10.6 15.8    |



#49  
Dibromochloromethane  
Concen: 28.156 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 98300 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 81.3    | 53.7        | 99.7  |  |

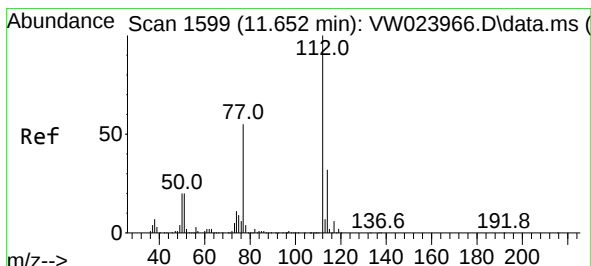
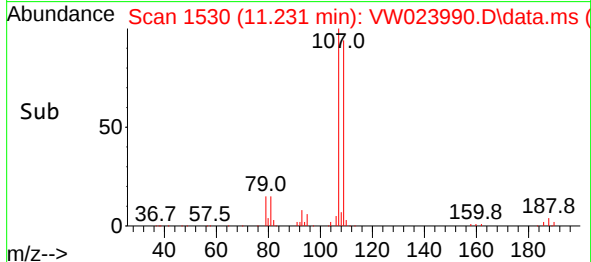
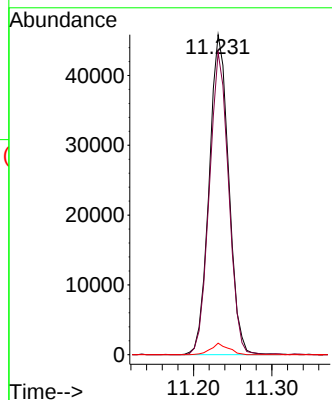
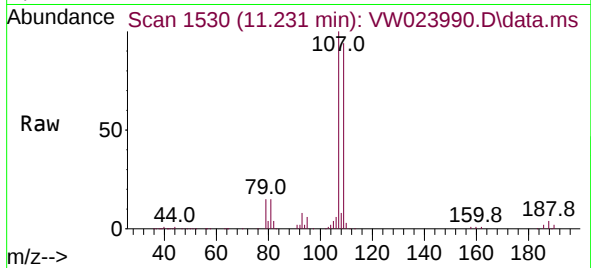




#50  
1,2-Dibromoethane  
Concen: 27.603 ug/L  
RT: 11.231 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

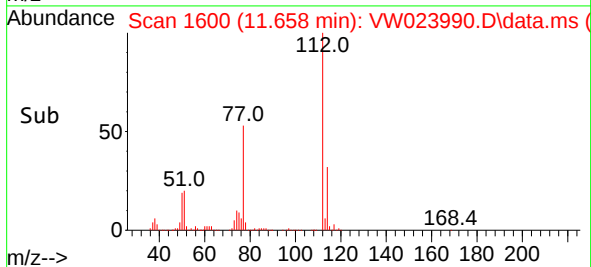
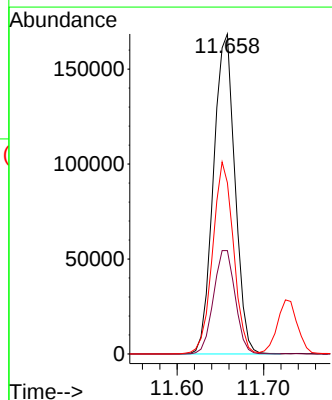
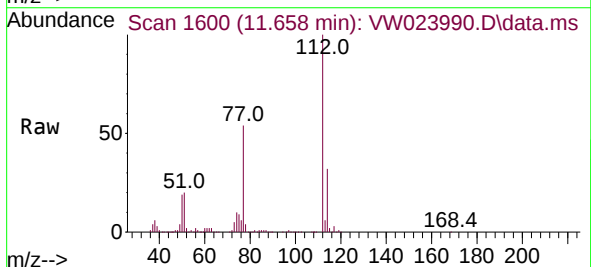
Instrument :  
MSVOA\_W  
ClientSampleId :

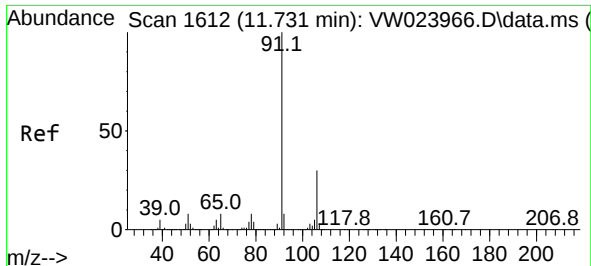
Tgt Ion:107 Resp: 79835  
Ion Ratio Lower Upper  
107 100  
109 94.5 62.4 116.0  
188 3.6 2.3 3.5#



#51  
Chlorobenzene  
Concen: 27.454 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion:112 Resp: 289997  
Ion Ratio Lower Upper  
112 100  
114 32.3 21.1 39.3  
77 53.5 46.6 69.8

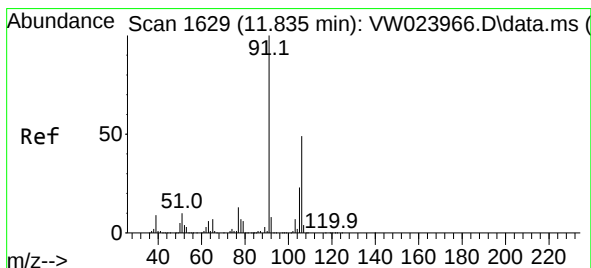
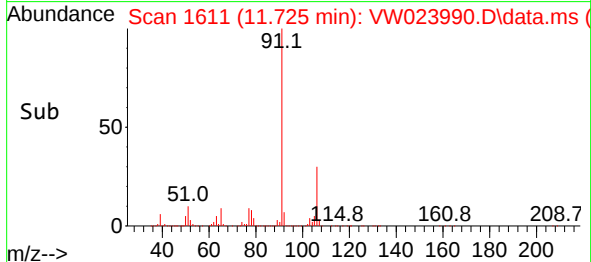
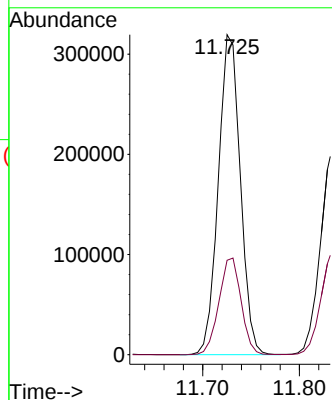
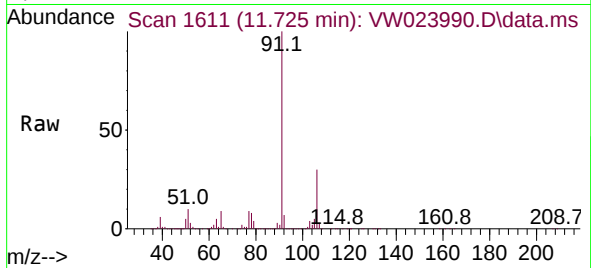




#52  
Ethylbenzene  
Concen: 28.335 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. -0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

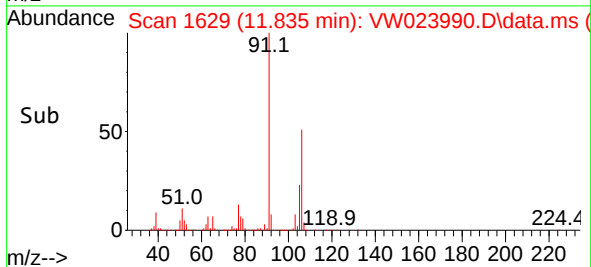
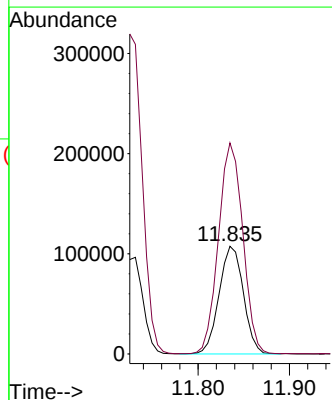
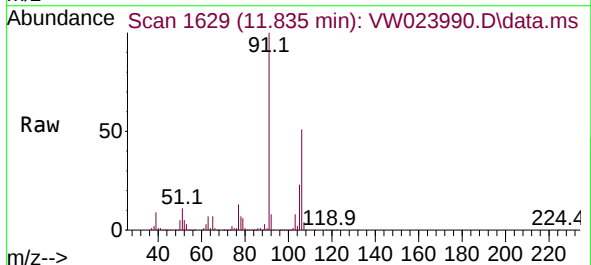
Instrument :  
MSVOA\_W  
ClientSampleId :

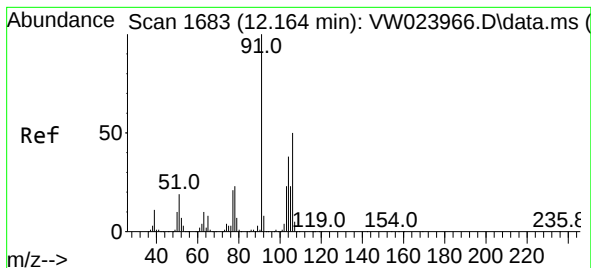
Tgt Ion: 91 Resp: 504302  
Ion Ratio Lower Upper  
91 100  
106 29.5 22.5 41.9



#53  
m,p-Xylene  
Concen: 28.612 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion:106 Resp: 198677  
Ion Ratio Lower Upper  
106 100  
91 196.0 142.8 265.2





#54

o-Xylene

Concen: 28.769 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

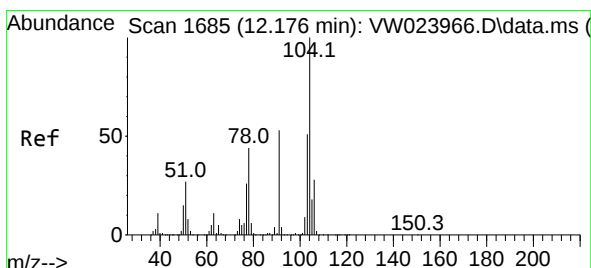
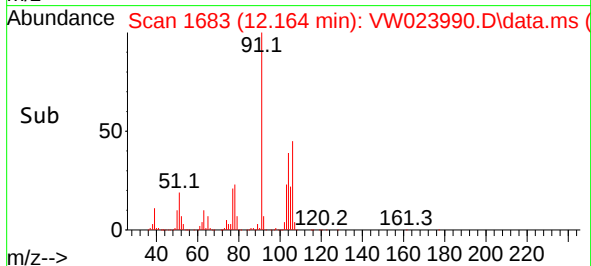
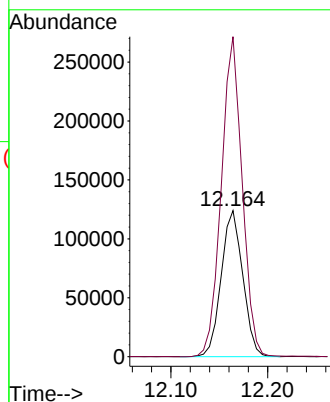
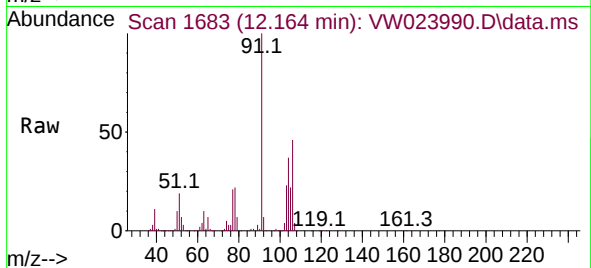
ClientSampleId :

Tgt Ion:106 Resp: 191851

Ion Ratio Lower Upper

106 100

91 219.2 149.6 277.8



#55

Styrene

Concen: 29.747 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW023990.D

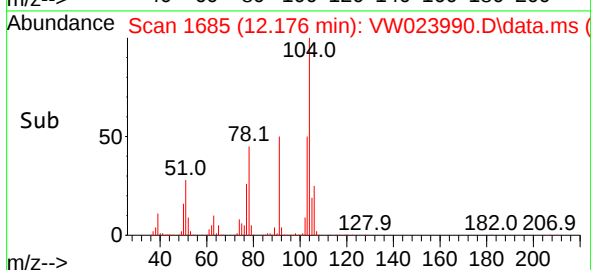
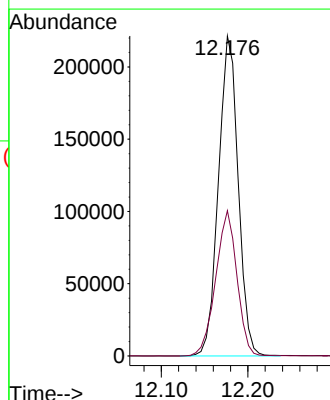
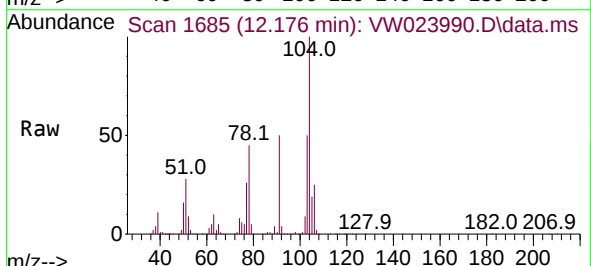
Acq: 22 Jul 2022 07:56

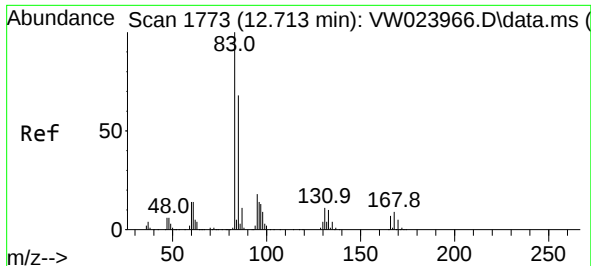
Tgt Ion:104 Resp: 350451

Ion Ratio Lower Upper

104 100

78 45.4 34.3 63.7

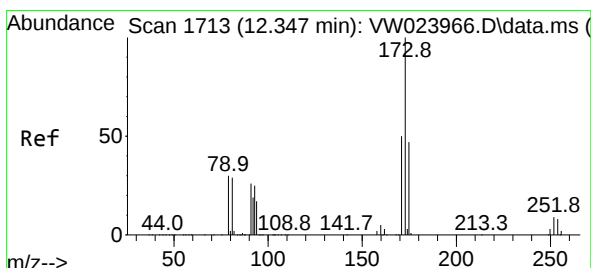
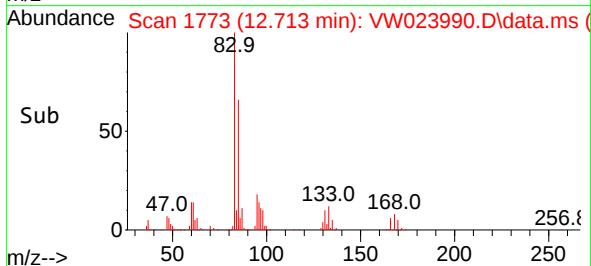
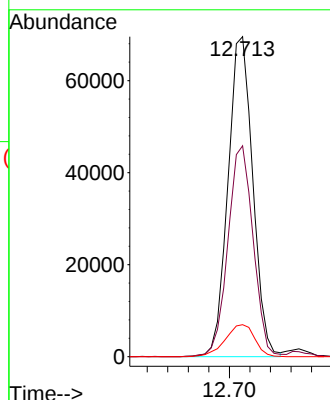
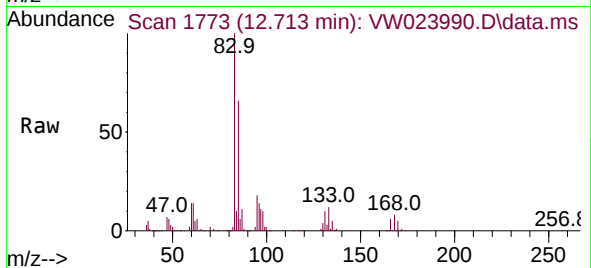




#57  
1,1,2,2-Tetrachloroethane  
Concen: 28.417 ug/L  
RT: 12.713 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

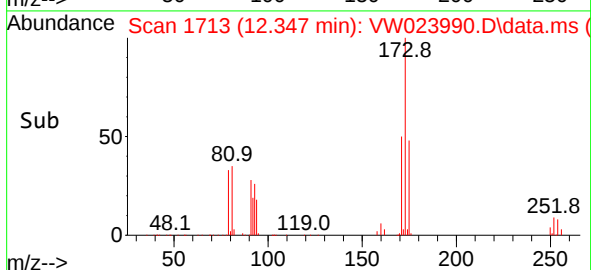
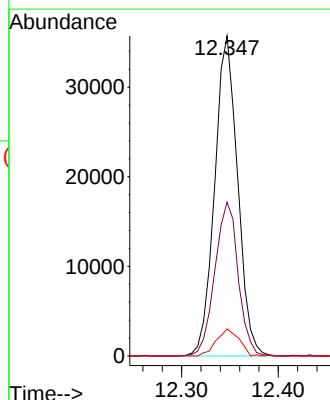
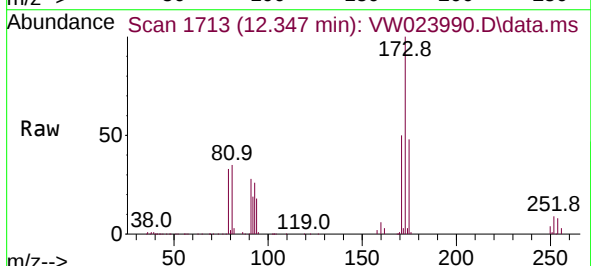
Instrument :  
MSVOA\_W  
ClientSampleId :

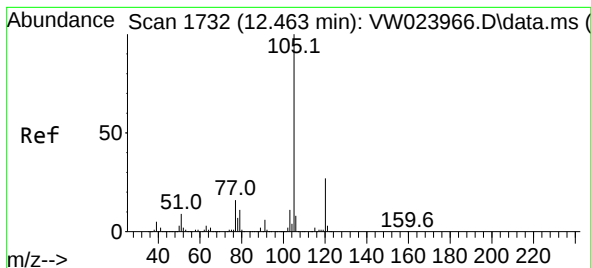
Tgt Ion: 83 Resp: 116688  
Ion Ratio Lower Upper  
83 100  
85 65.9 46.5 86.3  
131 10.0 7.4 11.0



#59  
Bromoform  
Concen: 27.297 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion:173 Resp: 58878  
Ion Ratio Lower Upper  
173 100  
175 48.7 38.9 58.3  
254 8.3 5.9 8.9





#60

Isopropylbenzene

Concen: 27.013 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

ClientSampleId :

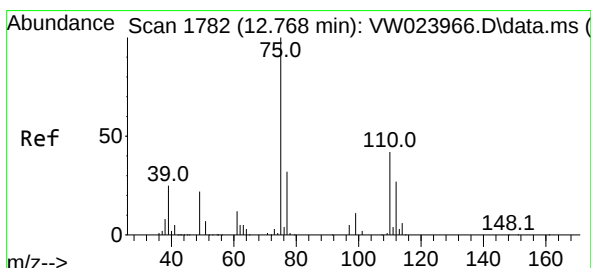
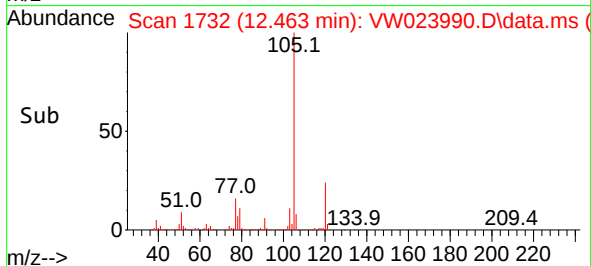
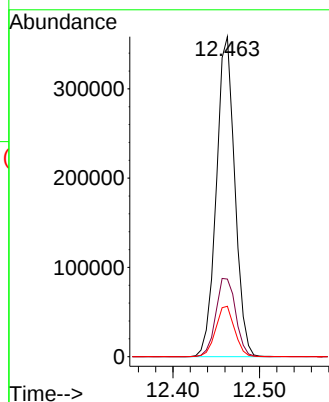
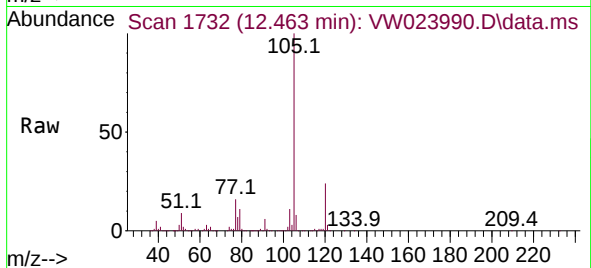
Tgt Ion:105 Resp: 530784

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

77 16.2 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 25.633 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

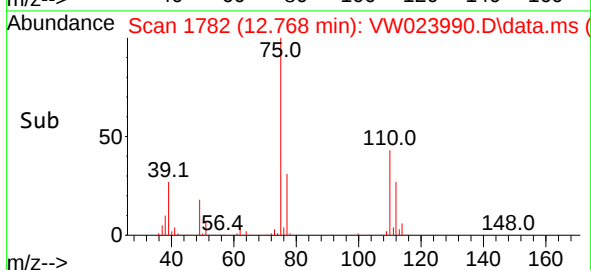
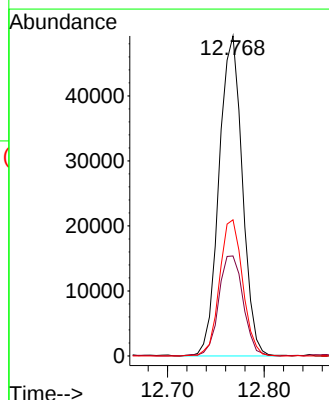
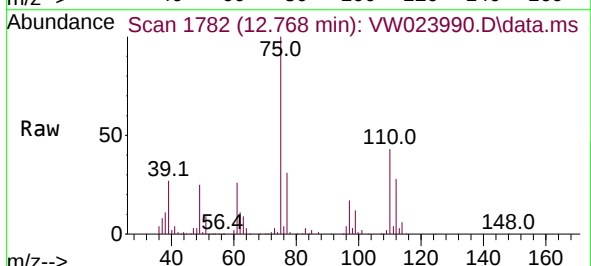
Tgt Ion: 75 Resp: 82217

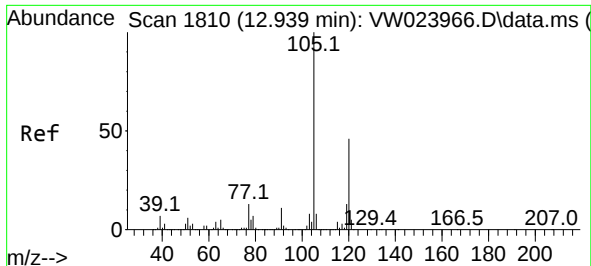
Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4

110 42.2 31.9 47.9

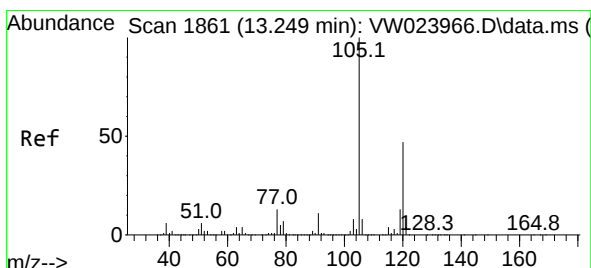
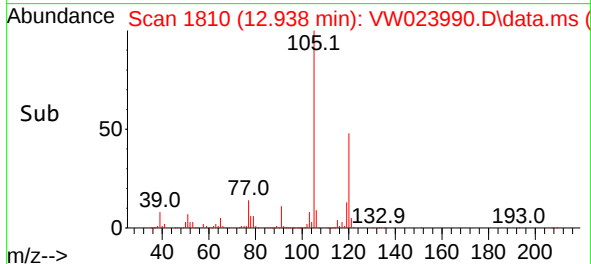
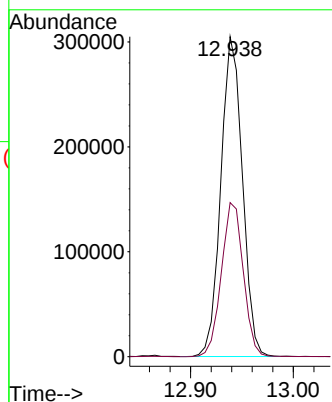
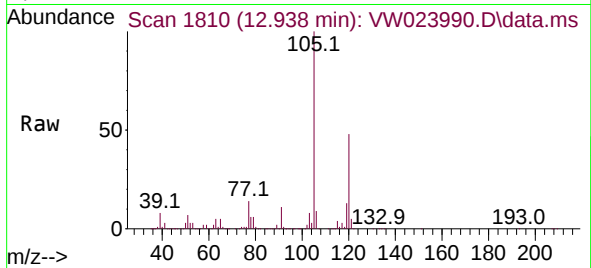




#62  
1,3,5-Trimethylbenzene  
Concen: 27.591 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

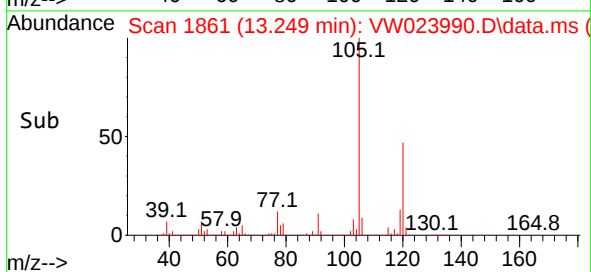
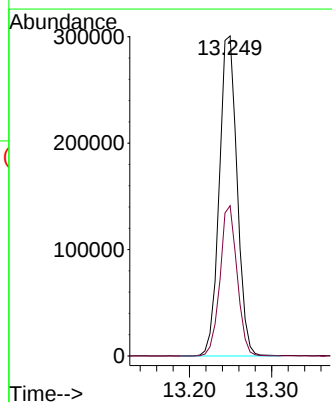
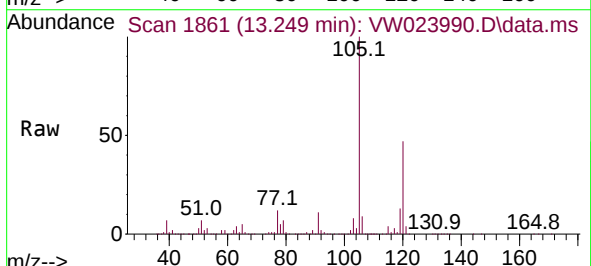
Instrument :  
MSVOA\_W  
ClientSampleId :

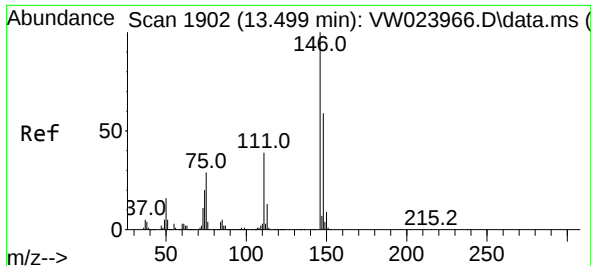
Tgt Ion:105 Resp: 443848  
Ion Ratio Lower Upper  
105 100  
120 49.0 38.7 58.1



#63  
1,2,4-Trimethylbenzene  
Concen: 28.125 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion:105 Resp: 452356  
Ion Ratio Lower Upper  
105 100  
120 45.1 35.5 53.3

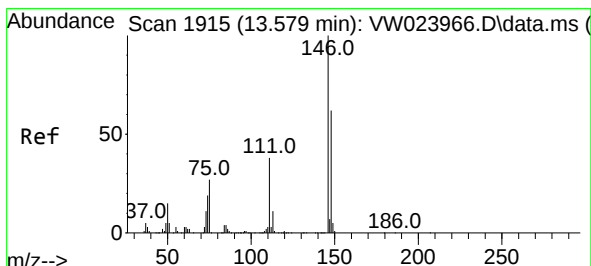
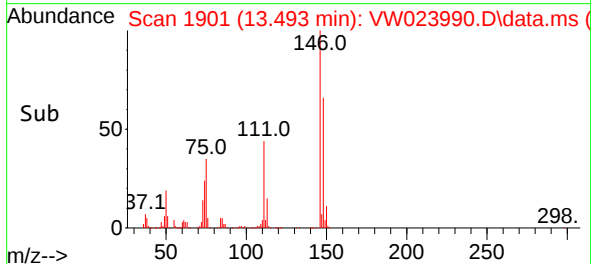
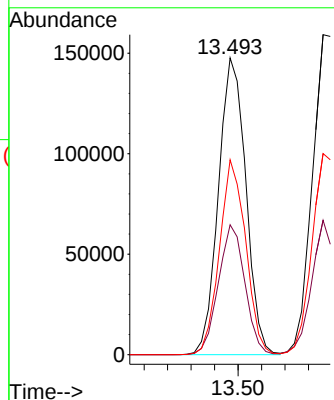
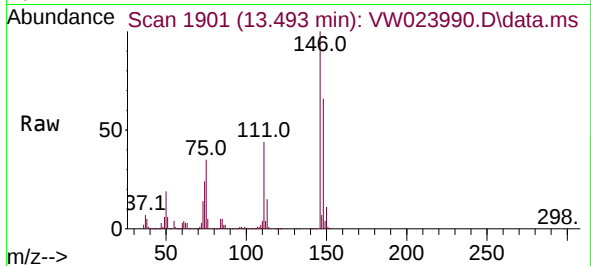




#64  
1,3-Dichlorobenzene  
Concen: 26.855 ug/L  
RT: 13.493 min Scan# 1902  
Delta R.T. -0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

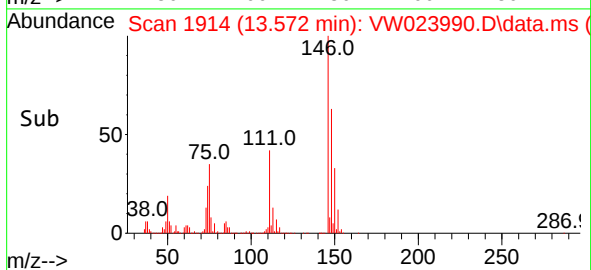
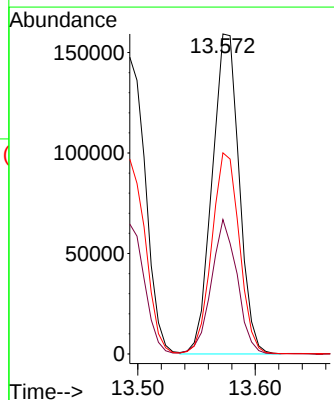
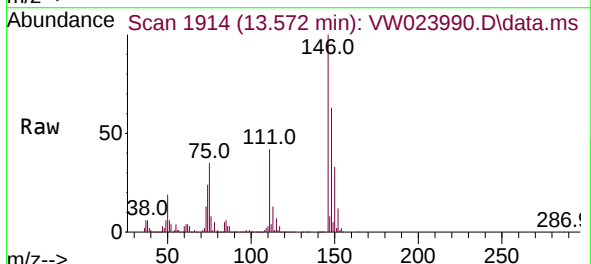
Instrument :  
MSVOA\_W  
ClientSampleId :

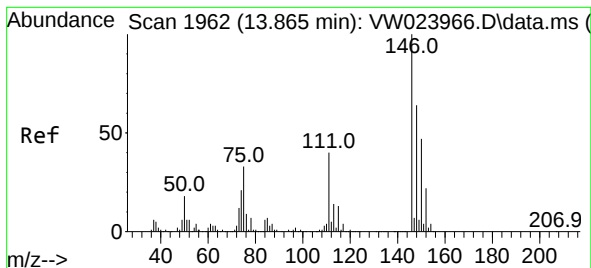
Tgt Ion:146 Resp: 239582  
Ion Ratio Lower Upper  
146 100  
111 43.8 28.6 53.2  
148 65.7 41.2 76.4



#65  
1,4-Dichlorobenzene  
Concen: 26.839 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion:146 Resp: 254739  
Ion Ratio Lower Upper  
146 100  
111 42.0 29.4 54.6  
148 62.9 44.4 82.5

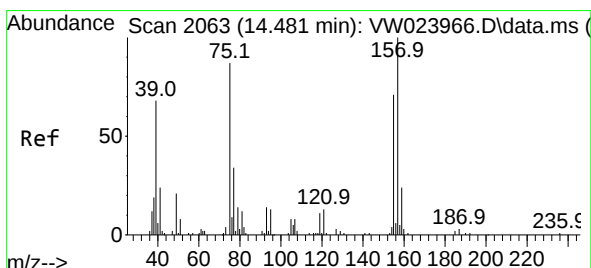
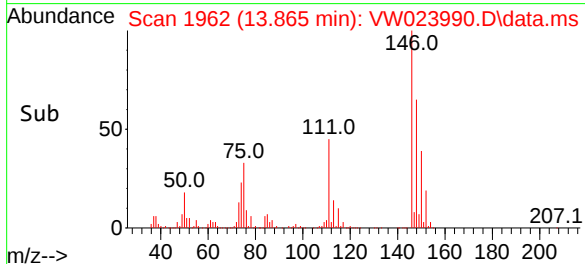
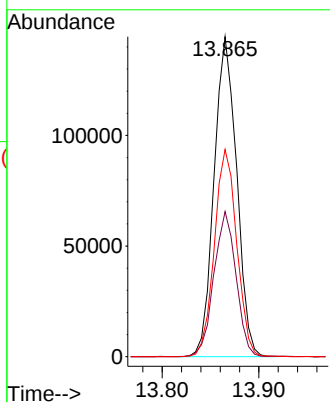
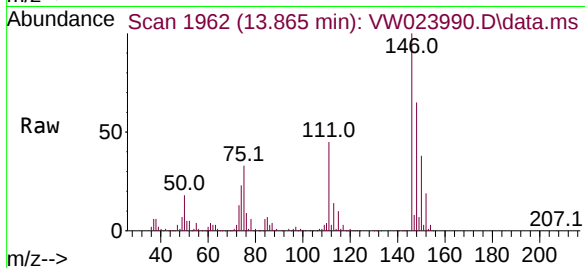




#67  
1,2-Dichlorobenzene  
Concen: 27.828 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

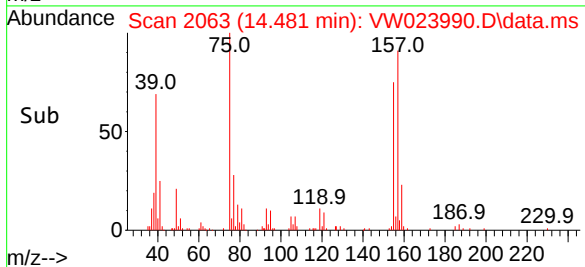
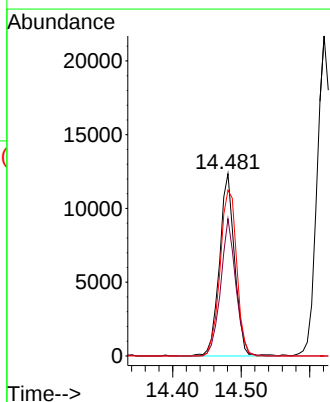
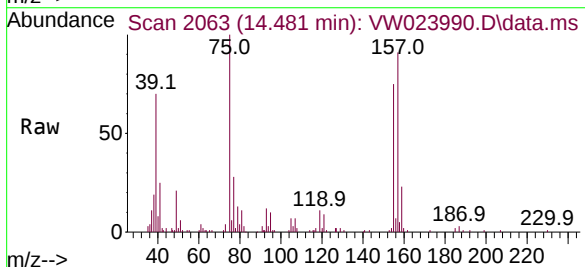
Instrument :  
MSVOA\_W  
ClientSampleId :

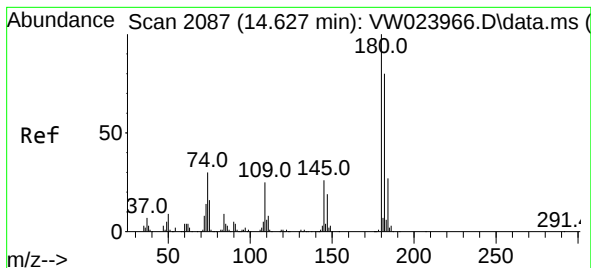
Tgt Ion:146 Resp: 234139  
Ion Ratio Lower Upper  
146 100  
111 45.3 35.9 53.9  
148 64.8 51.3 76.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 25.513 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion: 75 Resp: 18874  
Ion Ratio Lower Upper  
75 100  
155 75.3 51.7 77.5  
157 90.9 63.5 95.3





#69

1,3,5-Trichlorobenzene

Concen: 26.785 ug/L

RT: 14.621 min Scan# 2087

Delta R.T. -0.006 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion:180 Resp: 158167

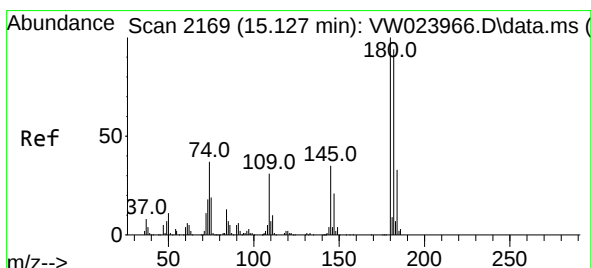
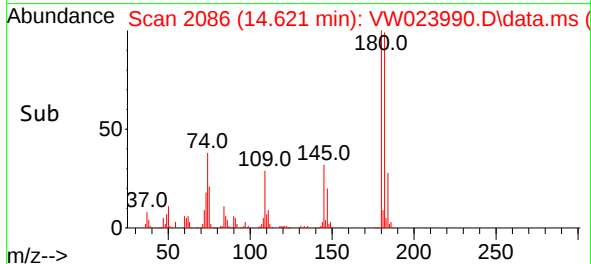
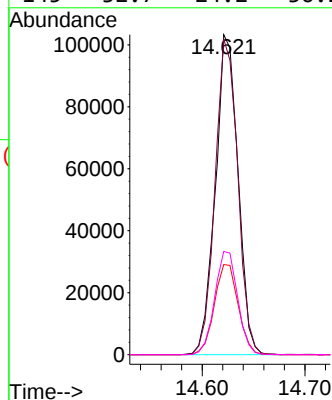
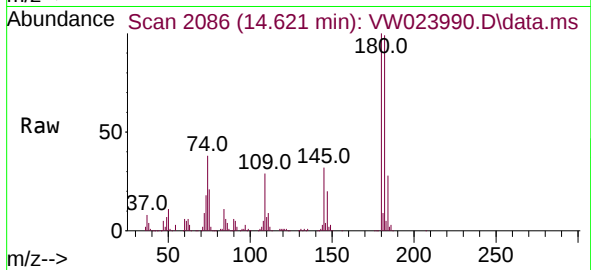
Ion Ratio Lower Upper

180 100

182 98.4 70.2 105.2

184 29.6 22.6 34.0

145 32.7 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 28.450 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW023990.D

Acq: 22 Jul 2022 07:56

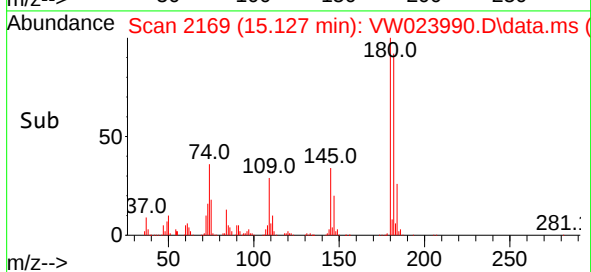
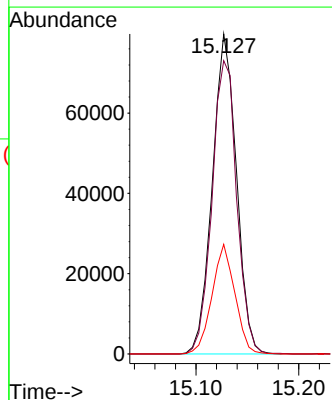
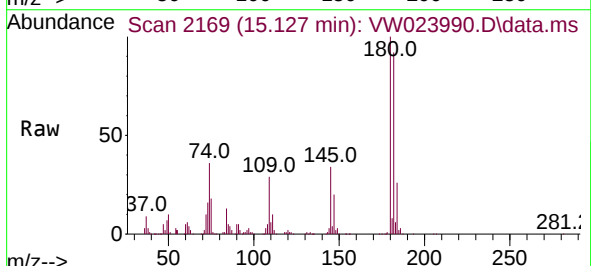
Tgt Ion:180 Resp: 129725

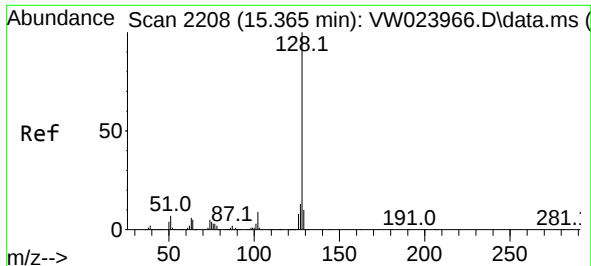
Ion Ratio Lower Upper

180 100

182 93.8 77.5 116.3

145 32.5 26.3 39.5

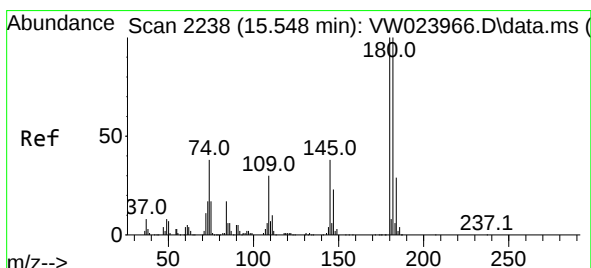
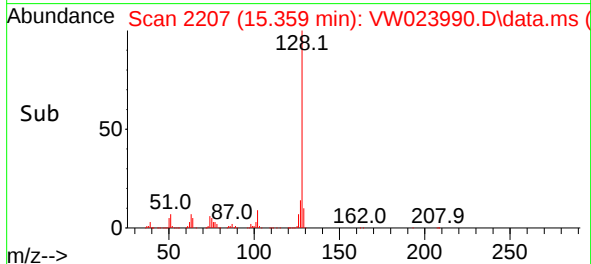
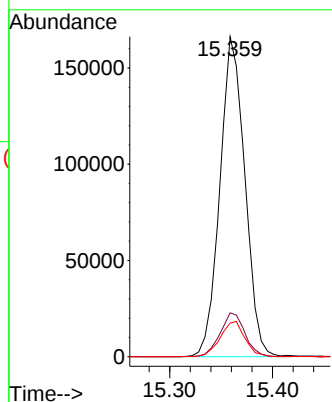
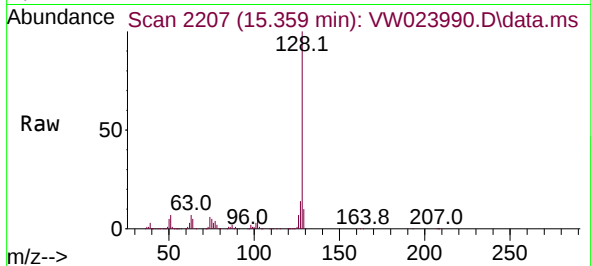




#71  
Naphthalene  
Concen: 28.637 ug/L  
RT: 15.359 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 280101  
Ion Ratio Lower Upper  
128 100  
127 13.7 11.0 16.4  
129 10.9 9.0 13.4



#72  
1,2,3-Trichlorobenzene  
Concen: 28.014 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.006 min  
Lab File: VW023990.D  
Acq: 22 Jul 2022 07:56

Tgt Ion:180 Resp: 119061  
Ion Ratio Lower Upper  
180 100  
182 97.4 76.3 114.5  
145 34.2 27.8 41.6

