

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062223\  
 Data File : VW026310.D  
 Acq On : 22 Jun 2023 19:29  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025530

Quant Time: Jun 23 01:07:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 23 01:02:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 618766   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 553748   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 277494   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 157449   | 18.088   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.360%   |
| 7) Chloroethane-d5            | 2.893  | 69    | 157893   | 24.231   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.920%   |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 83205    | 19.385   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 77.560%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 188499   | 74.380   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 148.760%# |
| 24) Chloroform-d              | 7.648  | 84    | 457996   | 25.276   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.120%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 256501   | 25.888   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.560%  |
| 32) Benzene-d6                | 8.270  | 84    | 847241   | 22.738   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.960%   |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 290475   | 24.607   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.440%   |
| 41) Toluene-d8                | 10.325 | 98    | 729105   | 22.064   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.240%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 100141   | 21.408   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.640%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 128073   | 68.807   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 137.620%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 269308   | 31.351   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 125.400%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 243327   | 22.909   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 91.640%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 127383   | 16.793   | ug/L   | 95        |
| 3) Chloromethane              | 2.222  | 50    | 202626   | 20.833   | ug/L   | 98        |
| 5) Vinyl chloride             | 2.375  | 62    | 222747   | 21.426   | ug/L   | 99        |
| 6) Bromomethane               | 2.783  | 94    | 123346   | 21.764   | ug/L   | 98        |
| 8) Chloroethane               | 2.930  | 64    | 137862   | 24.539   | ug/L   | 100       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 154655   | 23.123   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 182610   | 21.637   | ug/L # | 83        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 164101   | 20.830   | ug/L   | 85        |
| 13) Acetone                   | 4.118  | 43    | 93108    | 47.481   | ug/L   | 99        |
| 14) Carbon disulfide          | 4.393  | 76    | 495557   | 17.819   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.661  | 43    | 118736   | 26.979   | ug/L   | 99        |
| 16) Methylene chloride        | 4.917  | 84    | 212241   | 21.491   | ug/L   | 96        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 181915   | 20.581   | ug/L   | 95        |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 310048   | 22.256   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 405363   | 22.526   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 209138   | 22.337   | ug/L   | 98        |
| 22) 2-Butanone                | 7.167  | 43    | 155526   | 55.600   | ug/L   | 96        |
| 23) Bromochloromethane        | 7.514  | 128   | 85698    | 21.462   | ug/L   | 84        |
| 25) Chloroform                | 7.679  | 83    | 384541   | 22.943   | ug/L   | 99        |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025530

Quant Time: Jun 23 01:07:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 23 01:02:45 2023  
 Response via : Initial Calibration

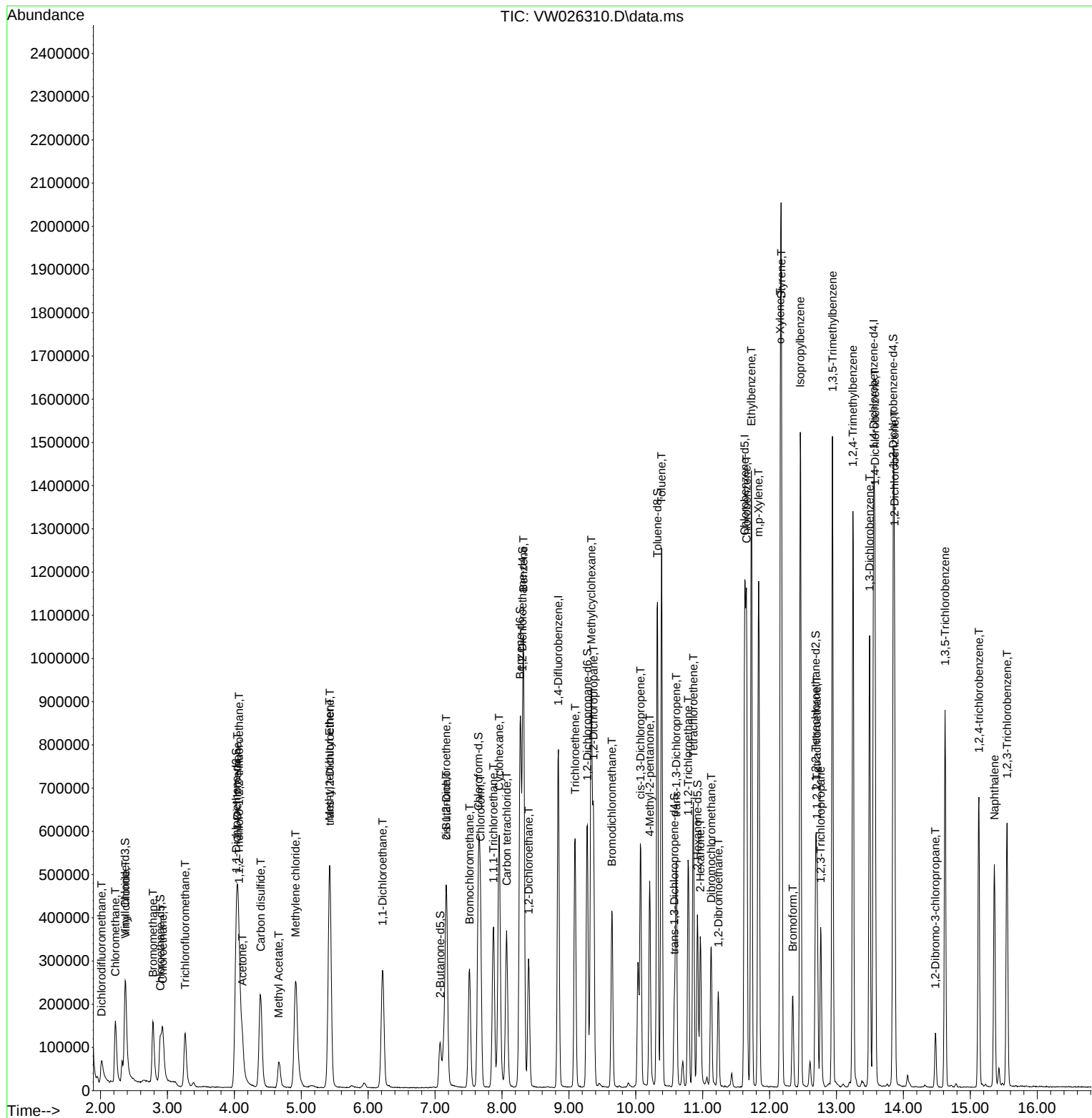
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 265400   | 22.959 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 335384   | 19.618 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 292528   | 21.769 | ug/L  | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 264588   | 21.577 | ug/L  | 98       |
| 33) Benzene                   | 8.319  | 78   | 833764   | 21.980 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 204786   | 21.083 | ug/L  | 99       |
| 35) Methylcyclohexane         | 9.337  | 83   | 341030   | 19.841 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 233629   | 22.739 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 269515   | 22.579 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 326865   | 21.648 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 334080   | 55.152 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 858097   | 22.116 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 272541   | 21.667 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 161042   | 23.782 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 139063   | 20.241 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 231875   | 54.289 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 162427   | 22.878 | ug/L  | 90       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 146676   | 23.394 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 525363   | 21.608 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 961607   | 21.971 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 355318   | 21.823 | ug/L  | 96       |
| 54) o-Xylene                  | 12.160 | 106  | 336931   | 21.924 | ug/L  | 93       |
| 55) Styrene                   | 12.178 | 104  | 594171   | 22.537 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 207832   | 25.361 | ug/L  | 95       |
| 59) Bromoform                 | 12.349 | 173  | 92977    | 22.308 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 928861   | 21.308 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 151939   | 24.444 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 733447   | 21.165 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 679430   | 21.406 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 385733   | 21.045 | ug/L  | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 392405   | 21.265 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 362847   | 22.045 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 33588    | 23.323 | ug/L  | 87       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 245453   | 19.495 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 187828   | 18.079 | ug/L  | 98       |
| 71) Naphthalene               | 15.360 | 128  | 409705   | 22.127 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 180413   | 19.870 | ug/L  | 97       |

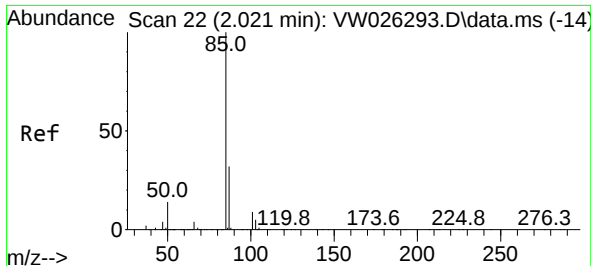
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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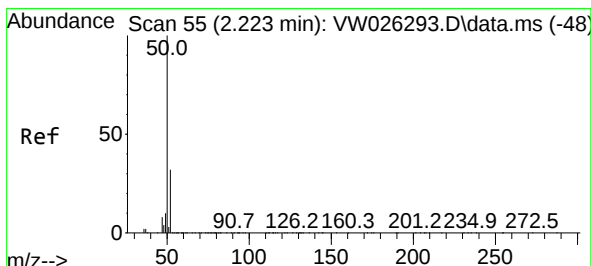
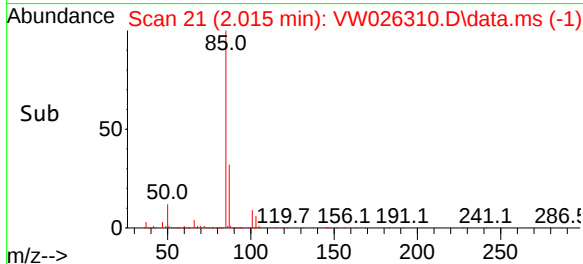
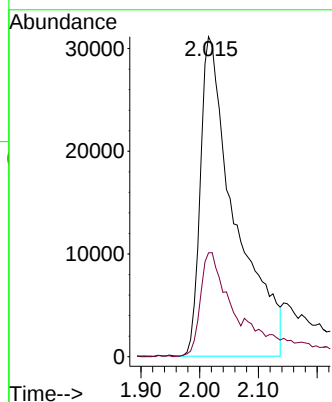
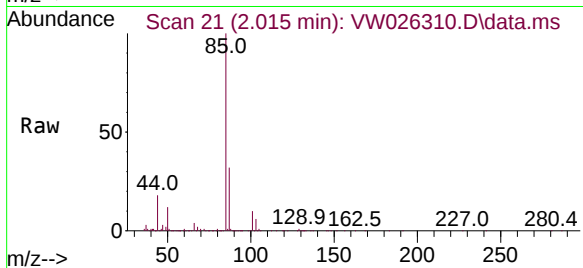




#2  
 Dichlorodifluoromethane  
 Concen: 16.793 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW026310.D  
 Acq: 22 Jun 2023 19:29

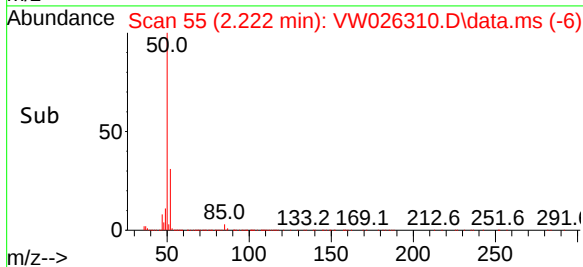
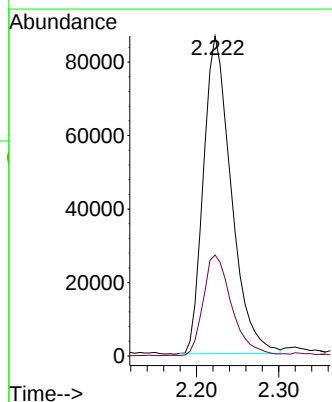
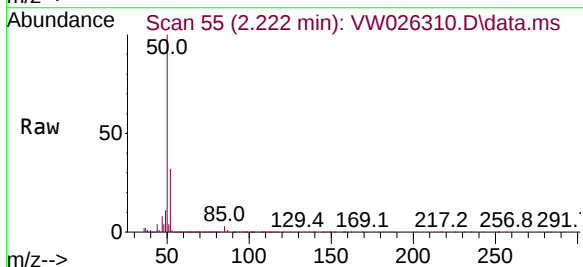
Instrument :  
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 ClientSampleId :  
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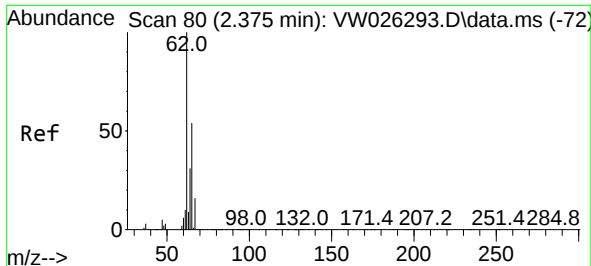
Tgt Ion: 85 Resp: 127383  
 Ion Ratio Lower Upper  
 85 100  
 87 25.1 22.2 33.2



#3  
 Chloromethane  
 Concen: 20.833 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VW026310.D  
 Acq: 22 Jun 2023 19:29

Tgt Ion: 50 Resp: 202626  
 Ion Ratio Lower Upper  
 50 100  
 52 31.5 21.3 39.6

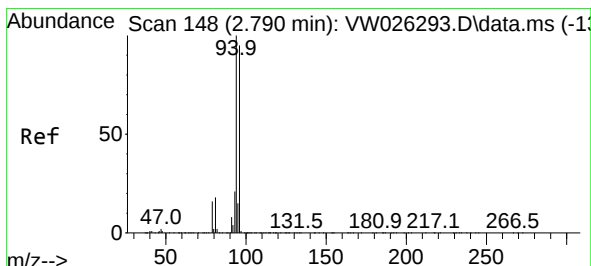
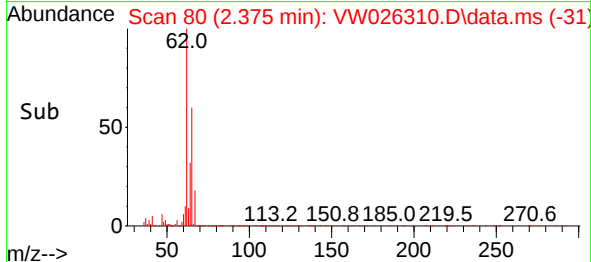
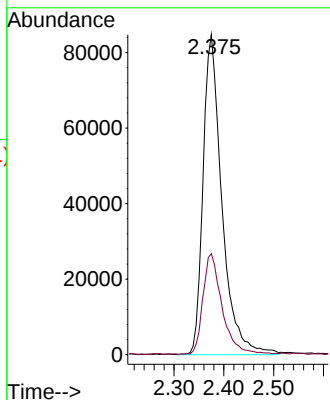
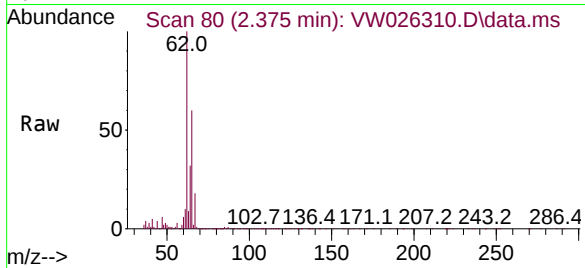




#5  
 Vinyl chloride  
 Concen: 21.426 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW026310.D  
 Acq: 22 Jun 2023 19:29

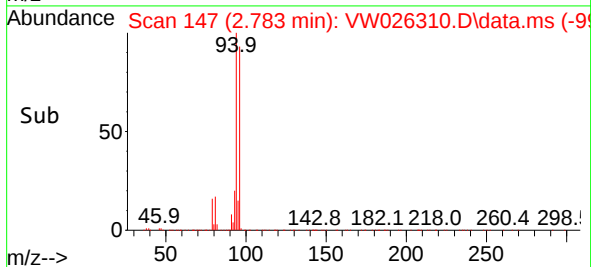
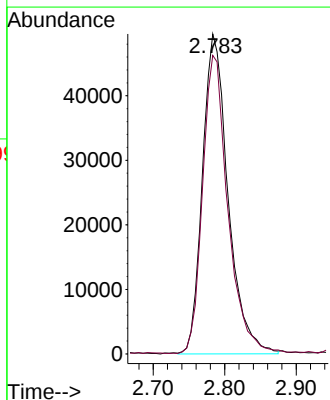
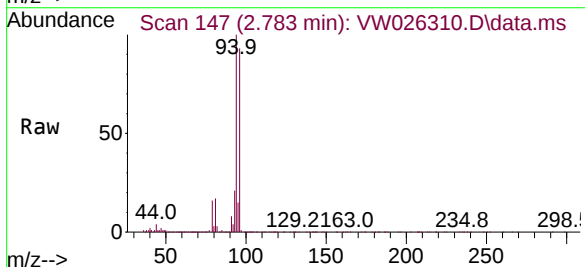
Instrument :  
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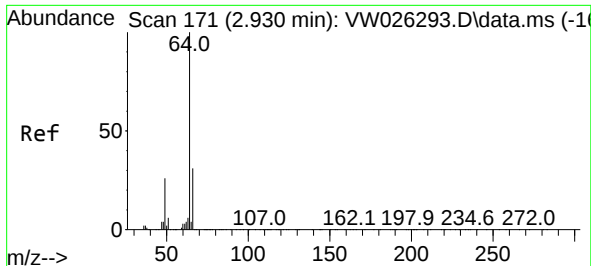
Tgt Ion: 62 Resp: 222747  
 Ion Ratio Lower Upper  
 62 100  
 64 31.6 22.7 42.1



#6  
 Bromomethane  
 Concen: 21.764 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VW026310.D  
 Acq: 22 Jun 2023 19:29

Tgt Ion: 94 Resp: 123346  
 Ion Ratio Lower Upper  
 94 100  
 96 93.3 64.2 119.2

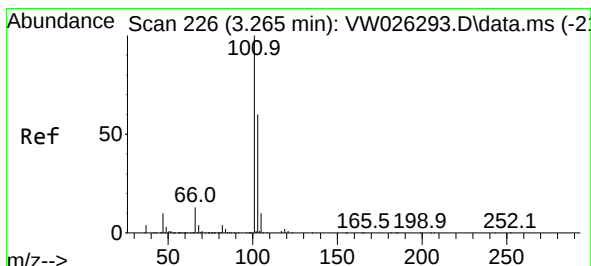
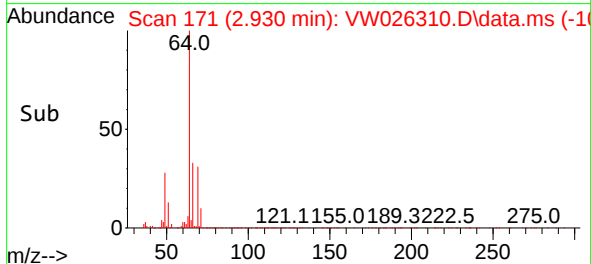
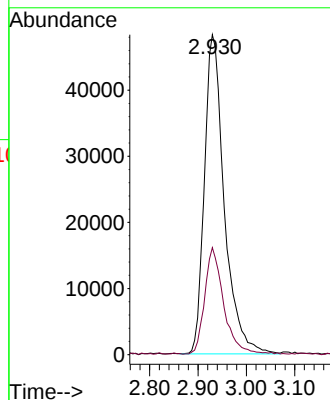
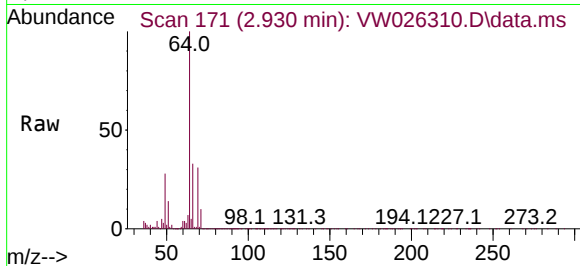




#8  
Chloroethane  
Concen: 24.539 ug/L  
RT: 2.930 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

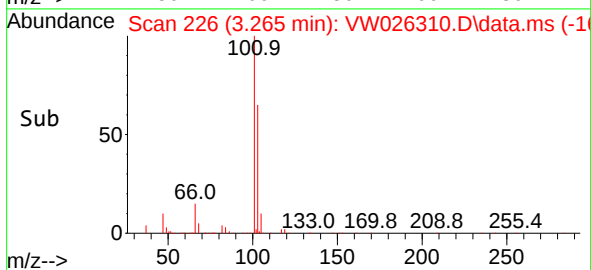
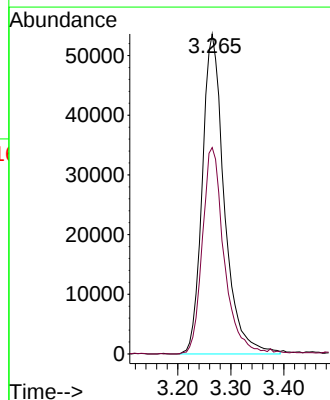
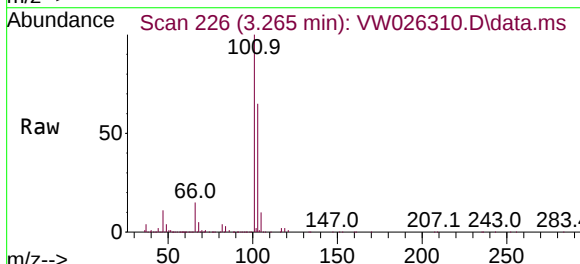
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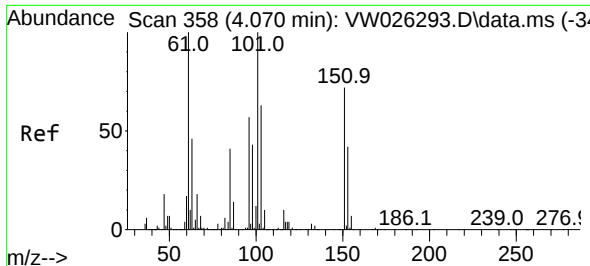
Tgt Ion: 64 Resp: 137862  
Ion Ratio Lower Upper  
64 100  
66 33.5 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 23.123 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 101 Resp: 154655  
Ion Ratio Lower Upper  
101 100  
103 63.5 51.6 77.4

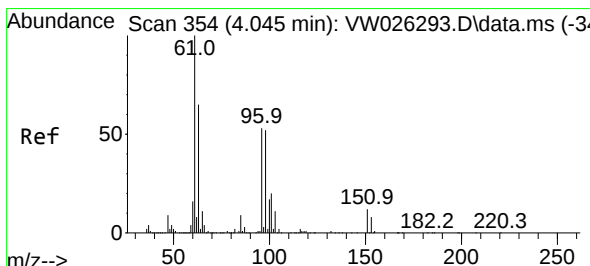
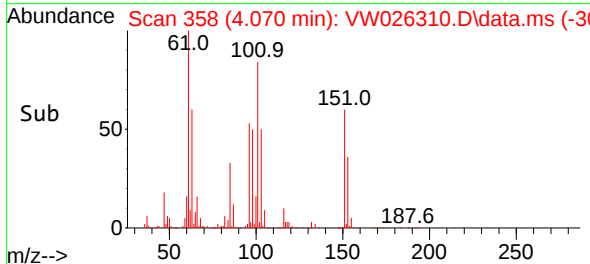
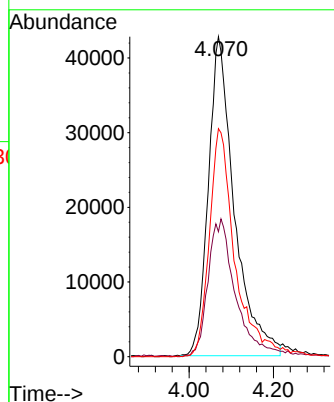
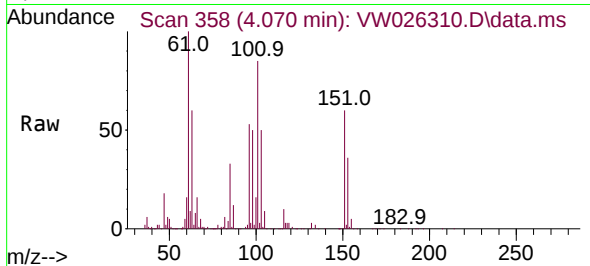




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.637 ug/L  
 RT: 4.070 min Scan# 358  
 Delta R.T. -0.000 min  
 Lab File: VW026310.D  
 Acq: 22 Jun 2023 19:29

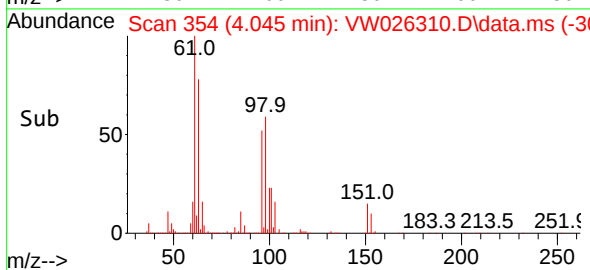
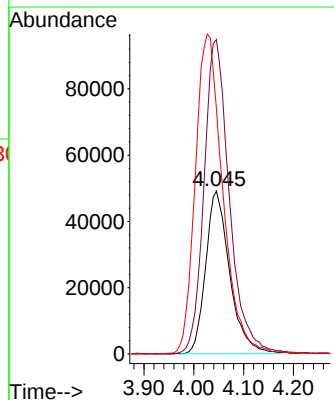
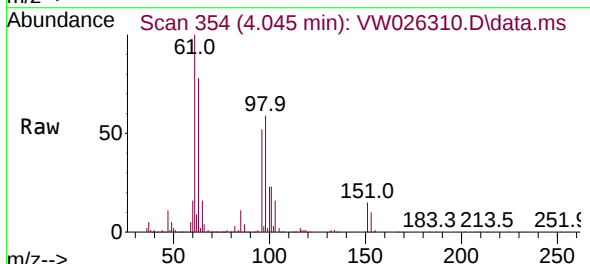
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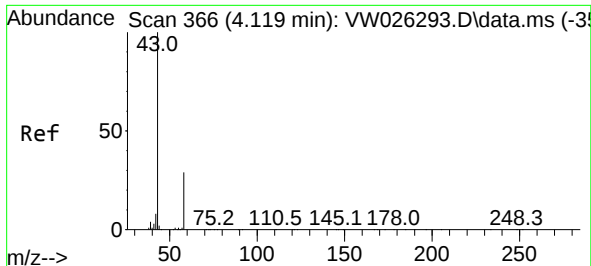
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 Ion Ratio Lower Upper  
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 85 18.4 36.1 54.1#  
 151 67.3 55.1 82.7



#12  
 1,1-Dichloroethene  
 Concen: 20.830 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW026310.D  
 Acq: 22 Jun 2023 19:29

Tgt Ion: 96 Resp: 164101  
 Ion Ratio Lower Upper  
 96 100  
 61 193.0 140.6 261.0  
 63 151.1 131.7 244.5

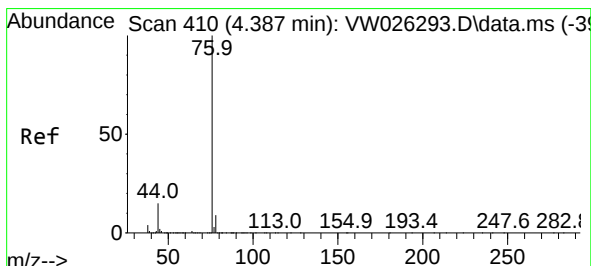
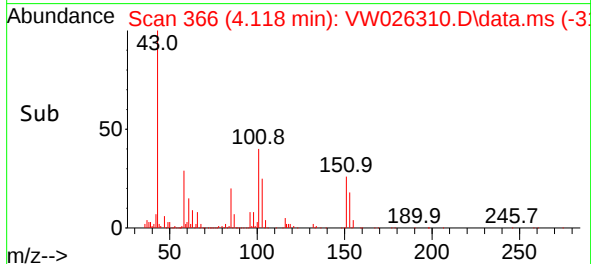
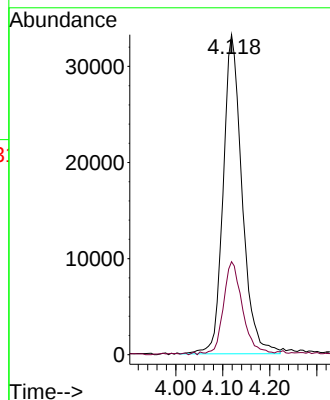
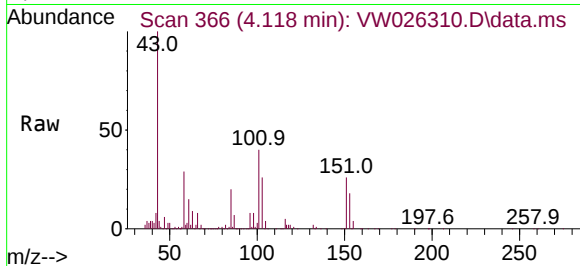




#13  
Acetone  
Concen: 47.481 ug/L  
RT: 4.118 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

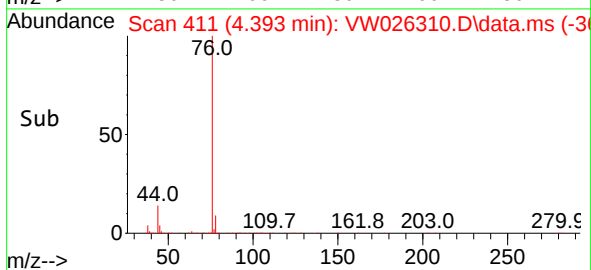
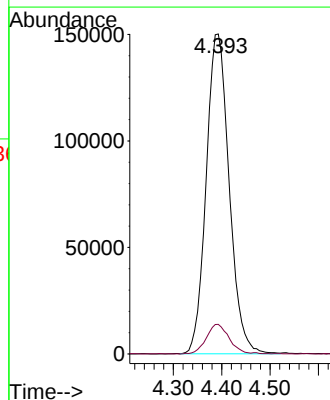
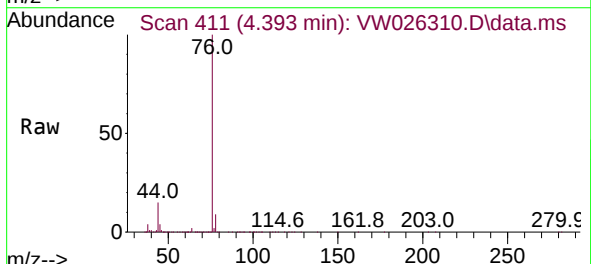
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

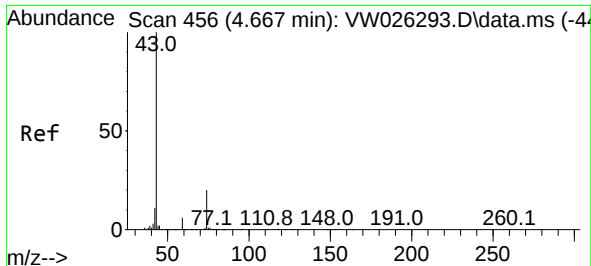
Tgt Ion: 43 Resp: 93108  
Ion Ratio Lower Upper  
43 100  
58 28.6 0.0 58.2



#14  
Carbon disulfide  
Concen: 17.819 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 76 Resp: 495557  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.2 10.8

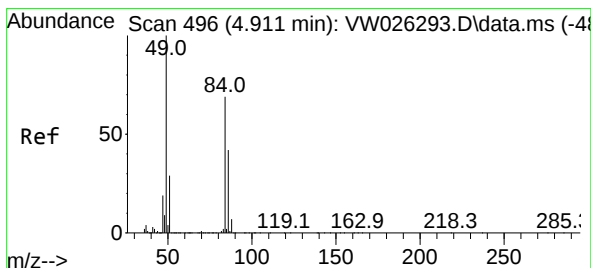
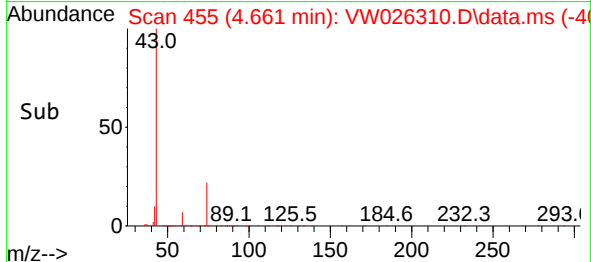
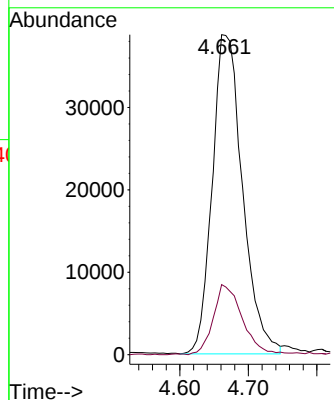
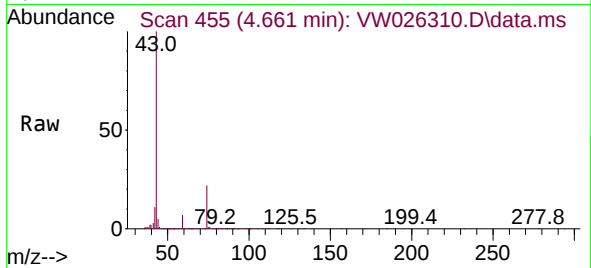




#15  
Methyl Acetate  
Concen: 26.979 ug/L  
RT: 4.661 min Scan# 456  
Delta R.T. -0.006 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

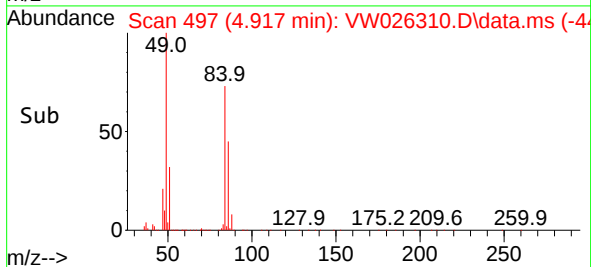
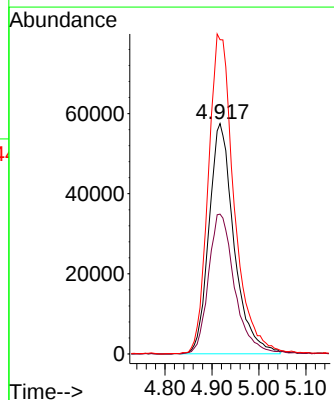
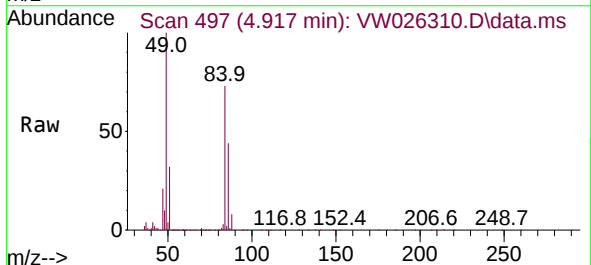
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

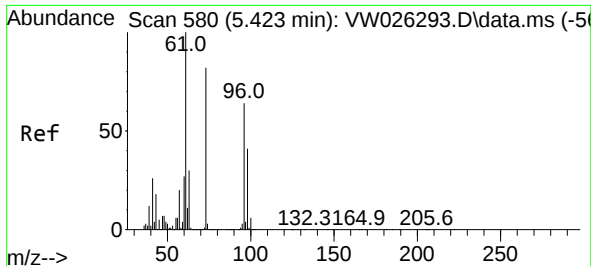
Tgt Ion: 43 Resp: 118736  
Ion Ratio Lower Upper  
43 100  
74 21.1 16.6 25.0



#16  
Methylene chloride  
Concen: 21.491 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. 0.006 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 84 Resp: 212241  
Ion Ratio Lower Upper  
84 100  
86 60.7 44.2 82.0  
49 136.4 98.8 183.6

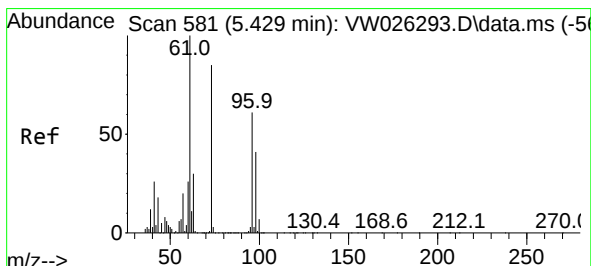
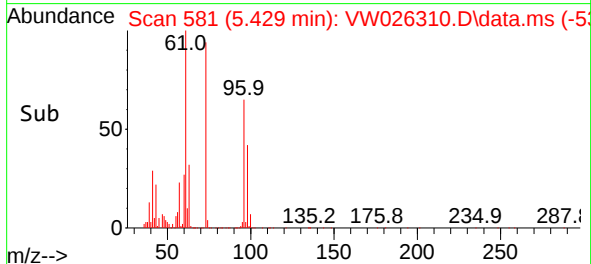
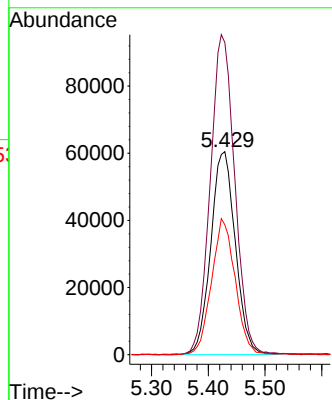
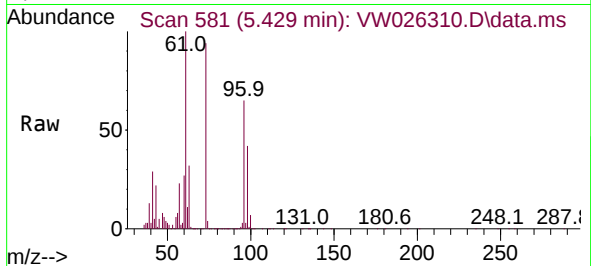




#17  
trans-1,2-Dichloroethene  
Concen: 20.581 ug/L  
RT: 5.429 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

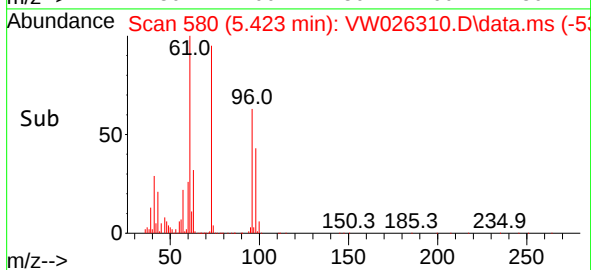
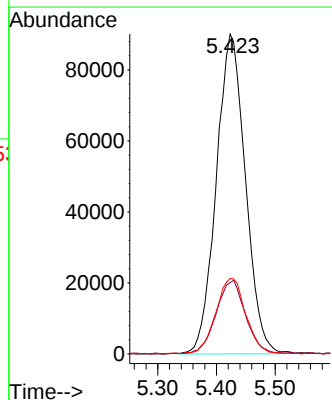
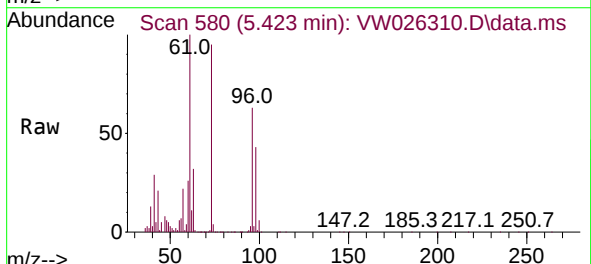
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

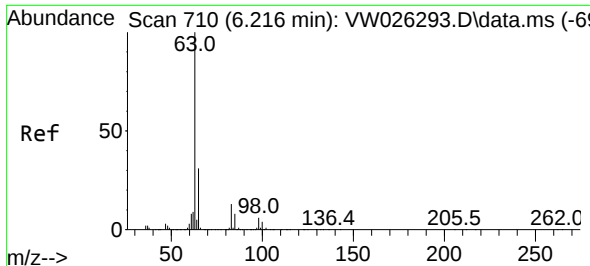
Tgt Ion: 96 Resp: 181915  
Ion Ratio Lower Upper  
96 100  
61 153.8 113.0 209.8  
98 64.0 42.5 78.9



#18  
Methyl tert-butyl Ether  
Concen: 22.256 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 73 Resp: 310048  
Ion Ratio Lower Upper  
73 100  
43 23.0 17.8 26.6  
57 24.0 18.9 28.3





#19

1,1-Dichloroethane

Concen: 22.526 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025530

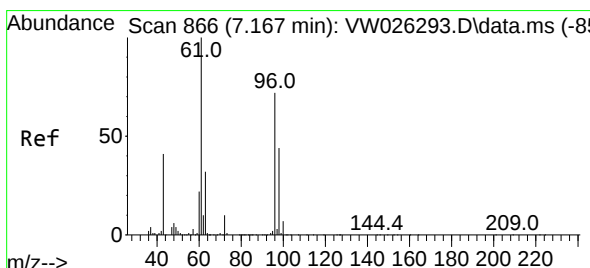
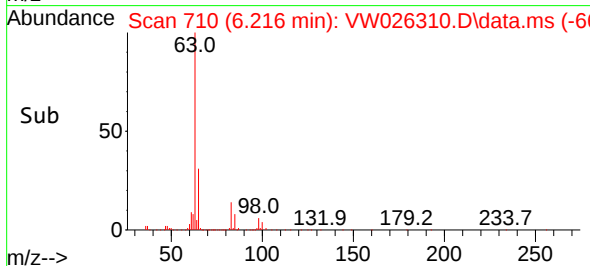
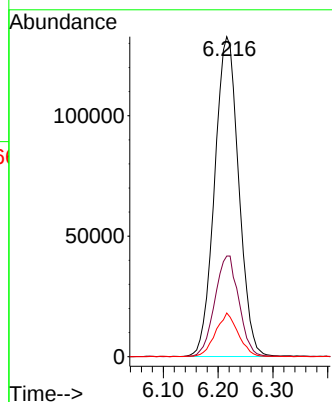
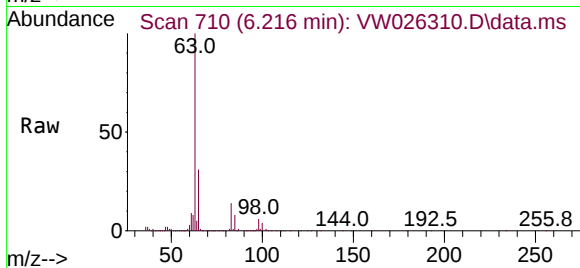
Tgt Ion: 63 Resp: 405363

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 13.7 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 22.337 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

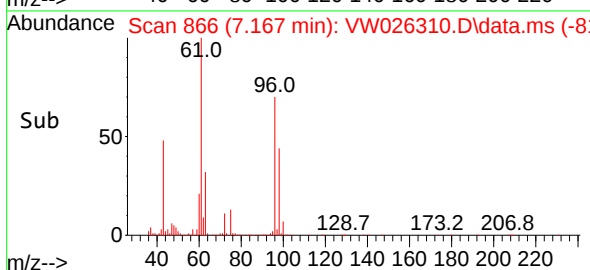
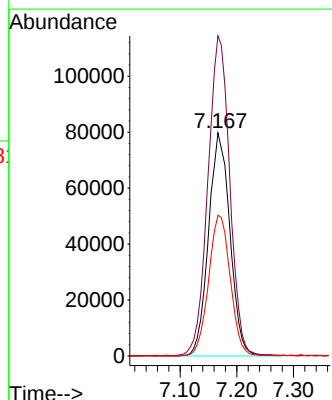
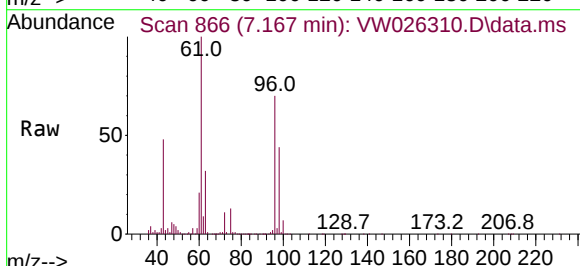
Tgt Ion: 96 Resp: 209138

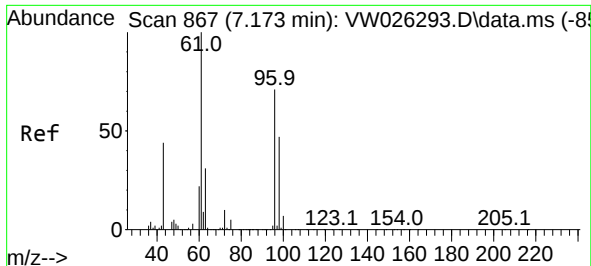
Ion Ratio Lower Upper

96 100

61 143.5 98.4 182.8

98 63.1 45.2 84.0

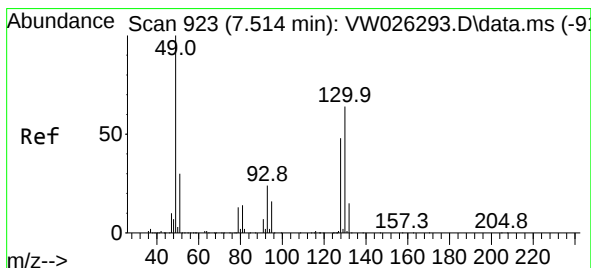
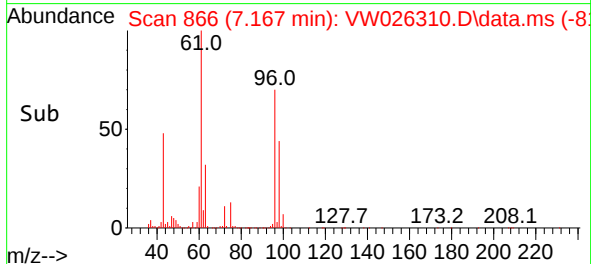
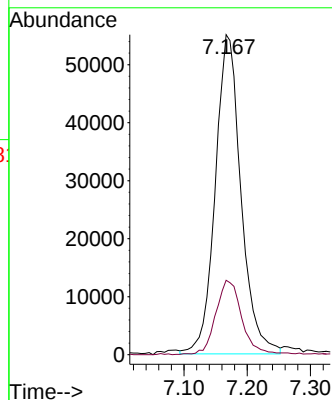
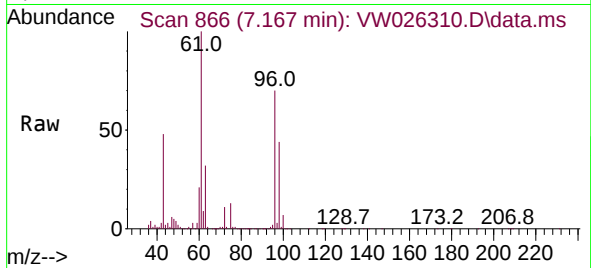




#22  
2-Butanone  
Concen: 55.600 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

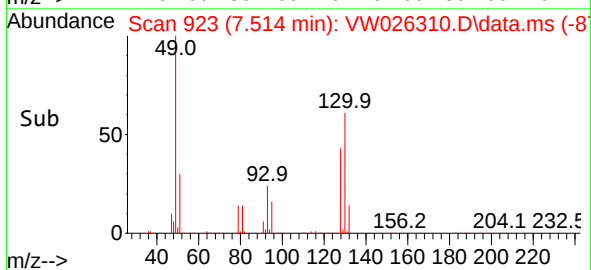
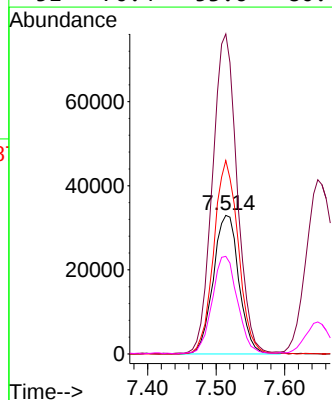
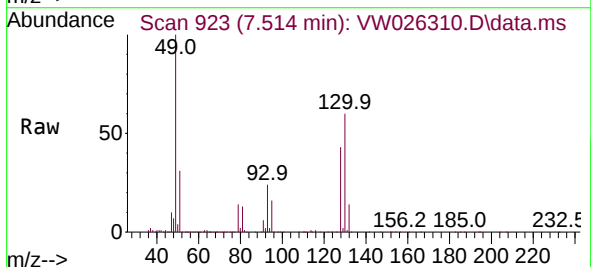
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

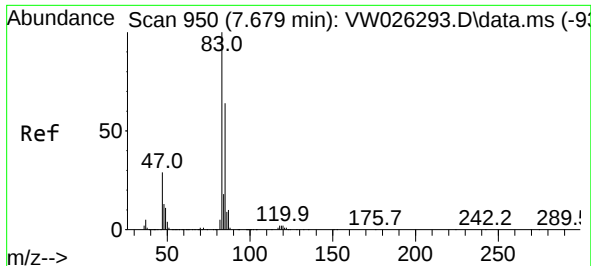
Tgt Ion: 43 Resp: 155526  
Ion Ratio Lower Upper  
43 100  
72 23.1 12.4 37.4



#23  
Bromochloromethane  
Concen: 21.462 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 128 Resp: 85698  
Ion Ratio Lower Upper  
128 100  
49 230.8 140.6 261.0  
130 139.6 86.0 159.6  
51 70.4 53.6 80.4

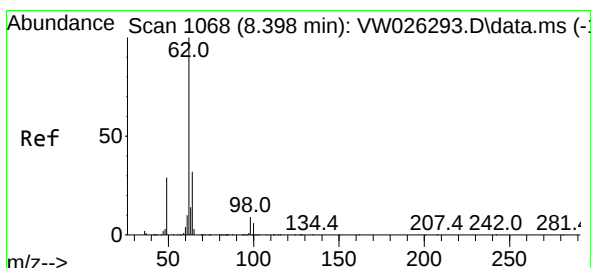
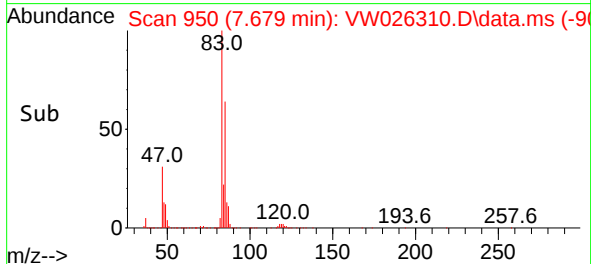
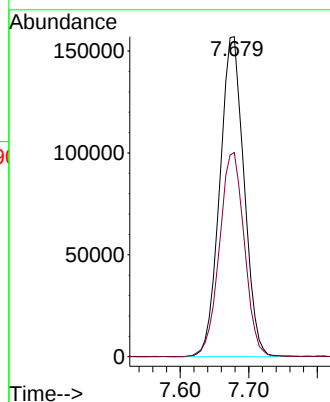
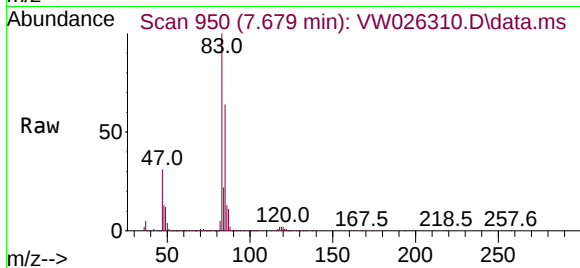




#25  
Chloroform  
Concen: 22.943 ug/L  
RT: 7.679 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

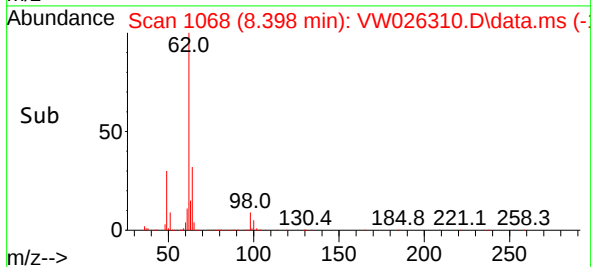
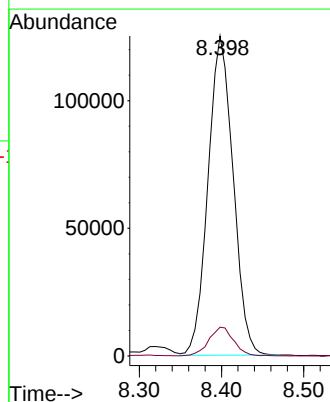
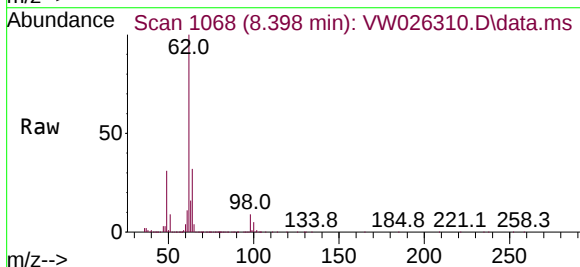
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

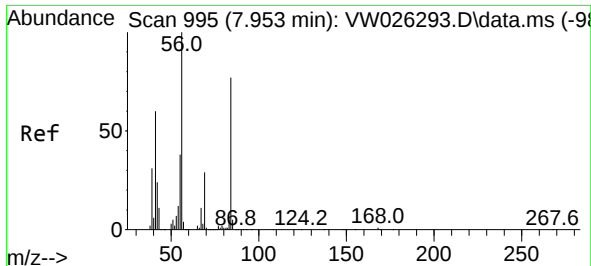
Tgt Ion: 83 Resp: 384541  
Ion Ratio Lower Upper  
83 100  
85 63.8 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 22.959 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 62 Resp: 265400  
Ion Ratio Lower Upper  
62 100  
98 9.0 7.4 11.2





#29

Cyclohexane

Concen: 19.618 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025530

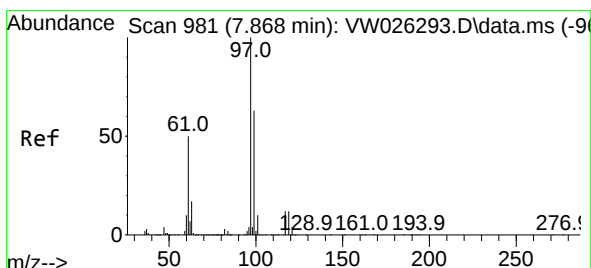
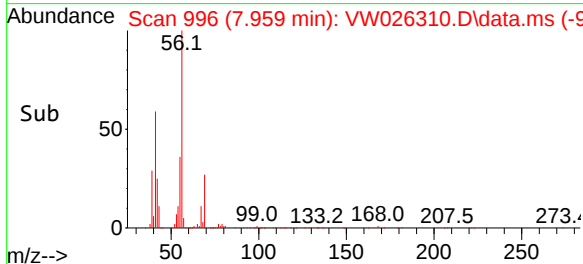
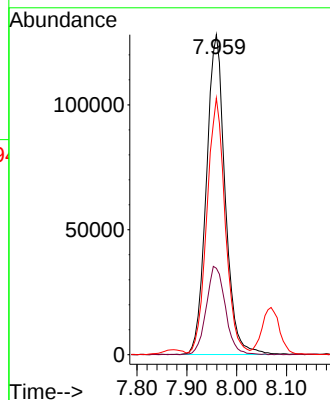
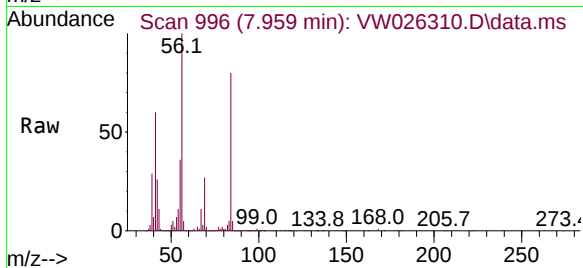
Tgt Ion: 56 Resp: 335384

Ion Ratio Lower Upper

56 100

69 28.1 23.3 34.9

84 78.4 63.0 94.6



#30

1,1,1-Trichloroethane

Concen: 21.769 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

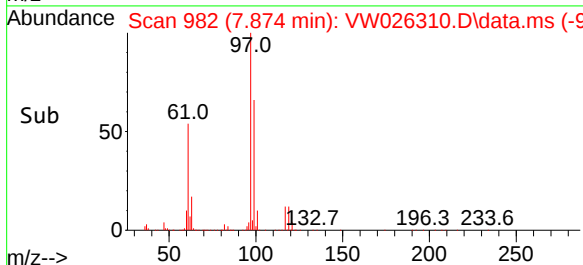
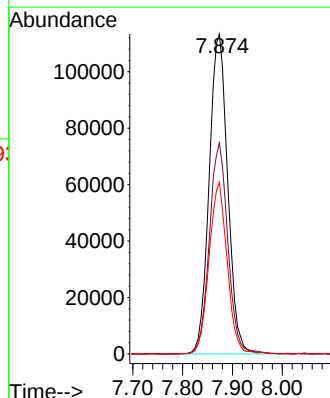
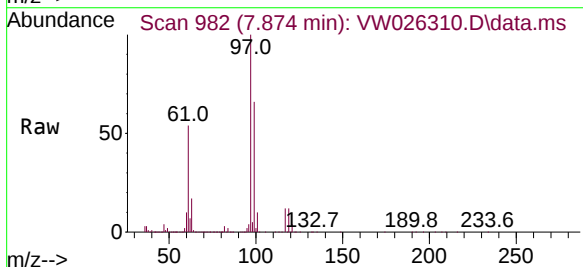
Tgt Ion: 97 Resp: 292528

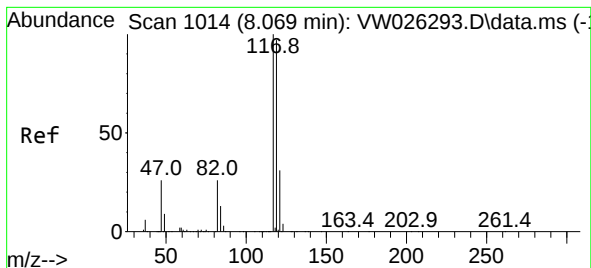
Ion Ratio Lower Upper

97 100

99 66.0 50.6 76.0

61 52.6 40.5 60.7





#31

Carbon tetrachloride

Concen: 21.577 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

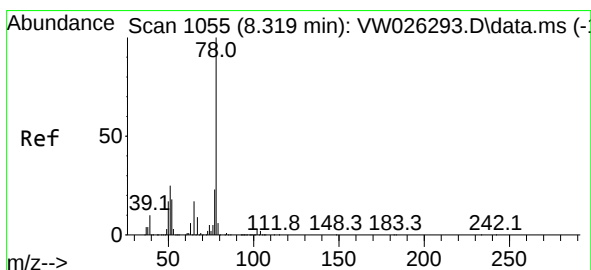
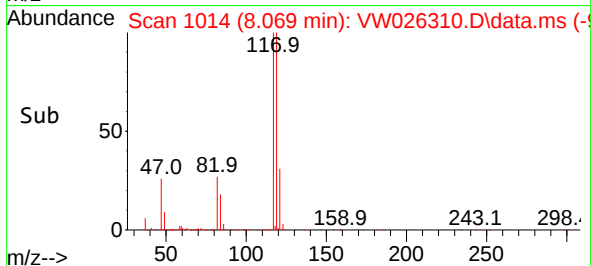
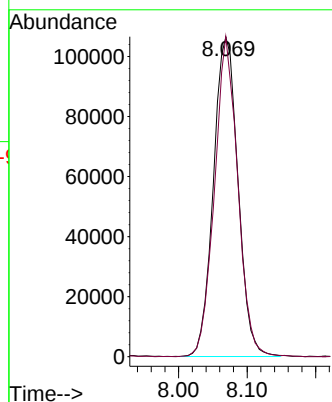
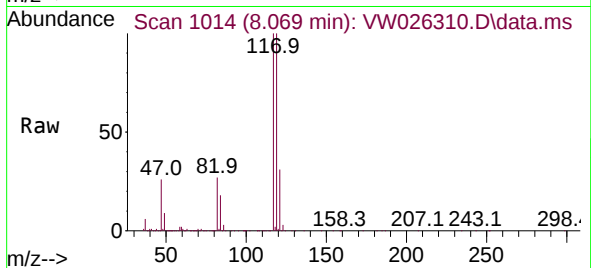
VSTD025530

Tgt Ion:117 Resp: 264588

Ion Ratio Lower Upper

117 100

119 94.8 77.4 116.2



#33

Benzene

Concen: 21.980 ug/L

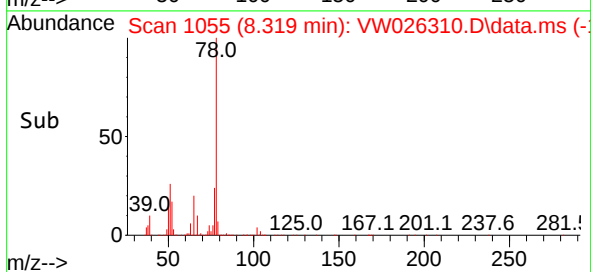
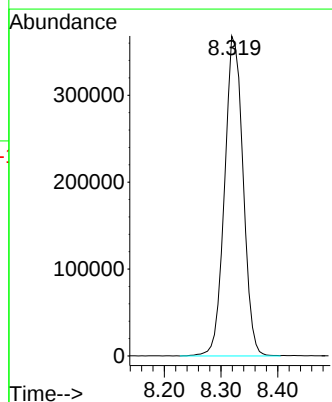
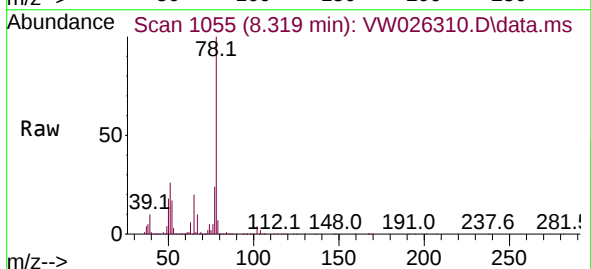
RT: 8.319 min Scan# 1055

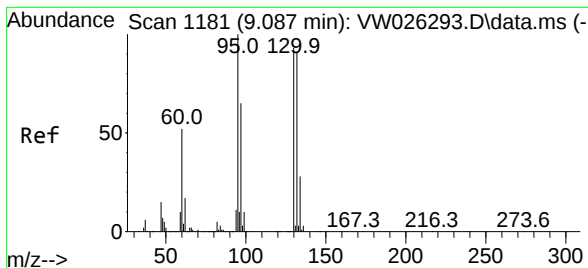
Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Tgt Ion: 78 Resp: 833764





#34

Trichloroethene

Concen: 21.083 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025530

Tgt Ion: 95 Resp: 204786

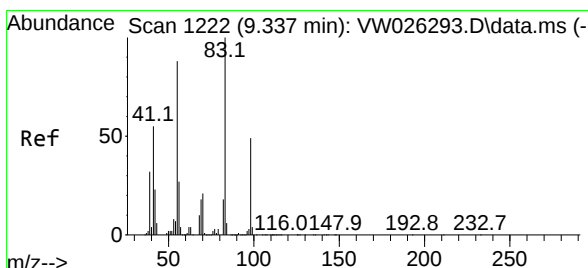
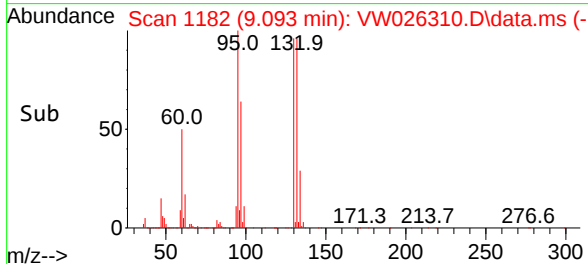
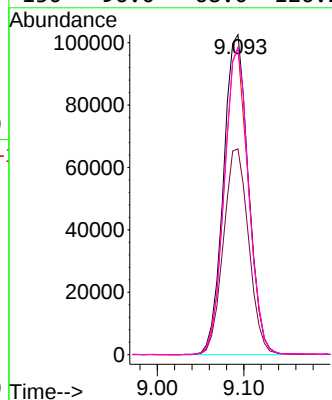
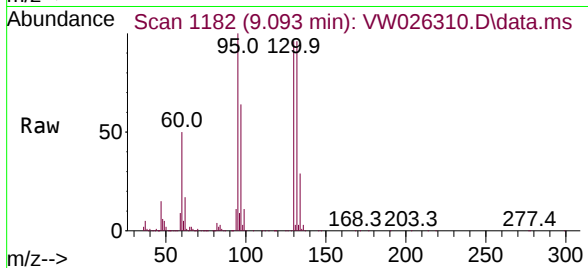
Ion Ratio Lower Upper

95 100

97 64.3 45.9 85.3

132 95.9 67.1 124.7

130 96.0 68.0 126.2



#35

Methylcyclohexane

Concen: 19.841 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

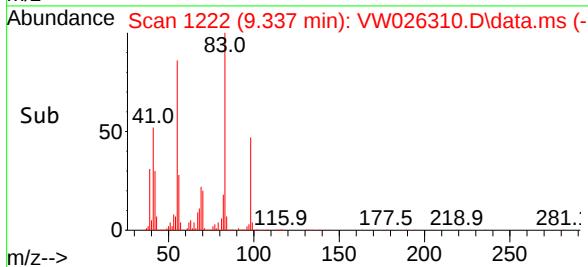
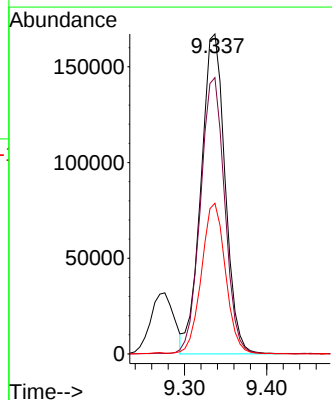
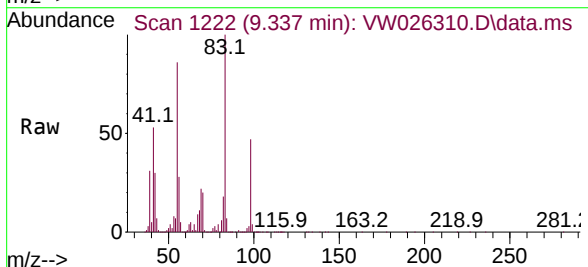
Tgt Ion: 83 Resp: 341030

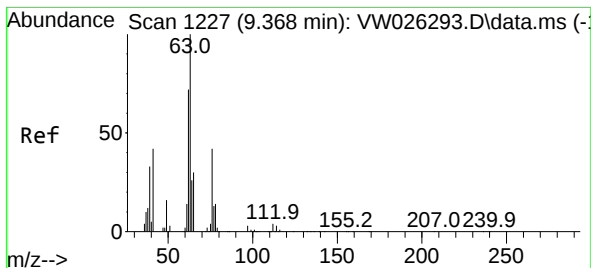
Ion Ratio Lower Upper

83 100

55 86.5 68.2 102.4

98 47.1 38.1 57.1





#37

1,2-Dichloropropane

Concen: 22.739 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

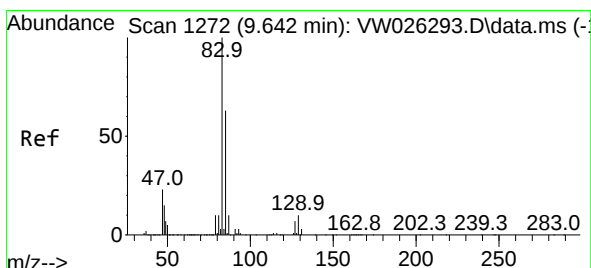
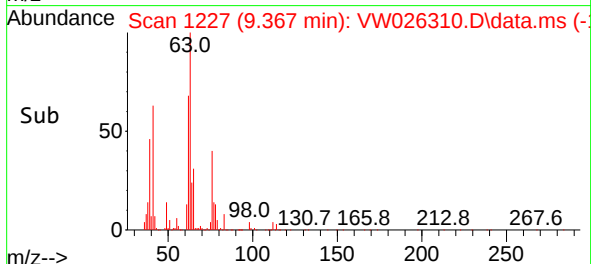
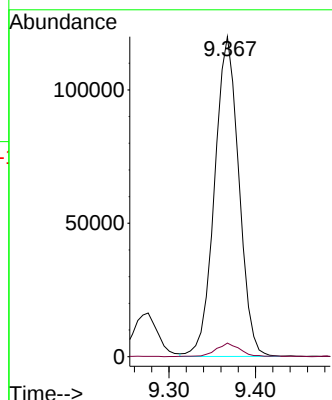
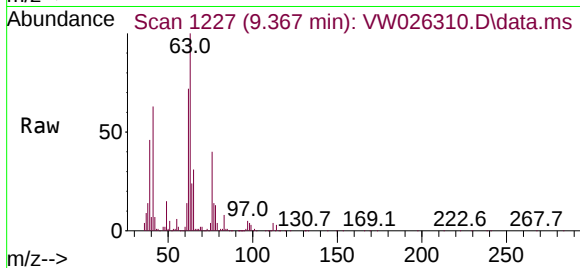
VSTD025530

Tgt Ion: 63 Resp: 233629

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



#38

Bromodichloromethane

Concen: 22.579 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

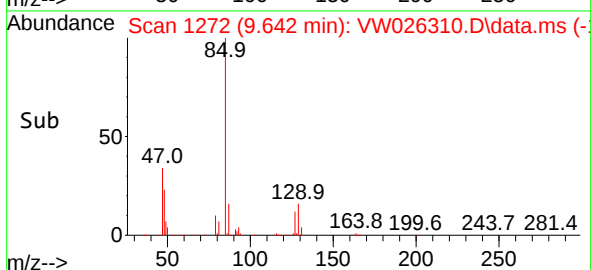
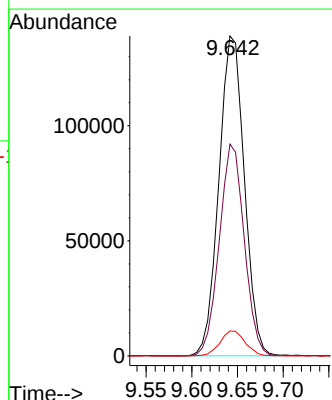
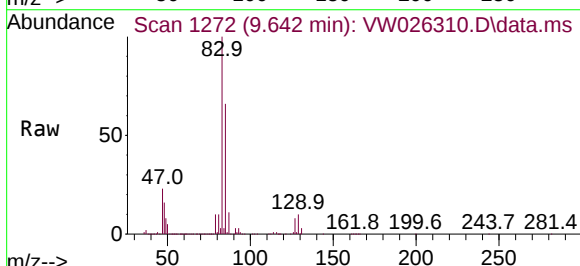
Tgt Ion: 83 Resp: 269515

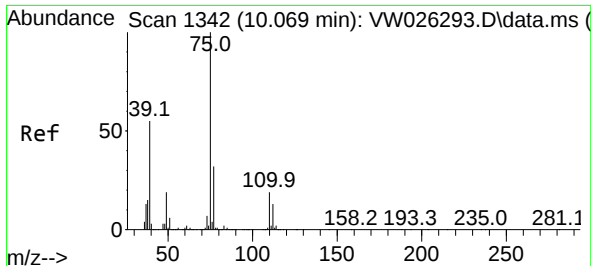
Ion Ratio Lower Upper

83 100

85 66.2 44.2 82.0

127 7.8 6.2 9.2

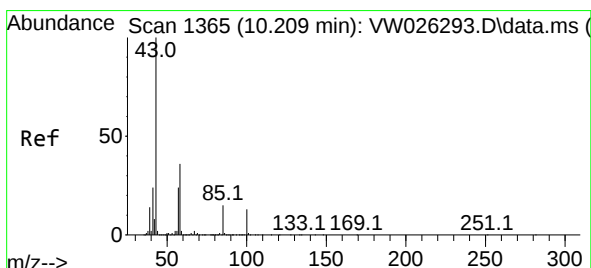
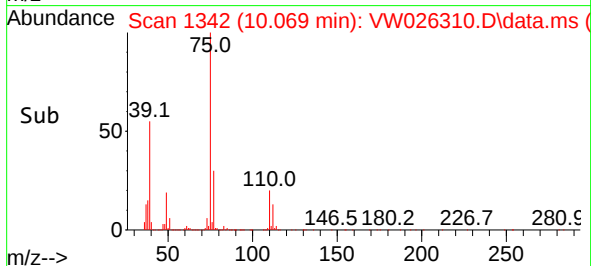
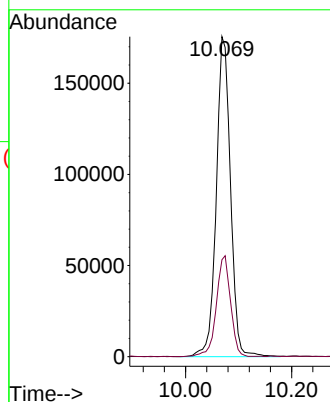
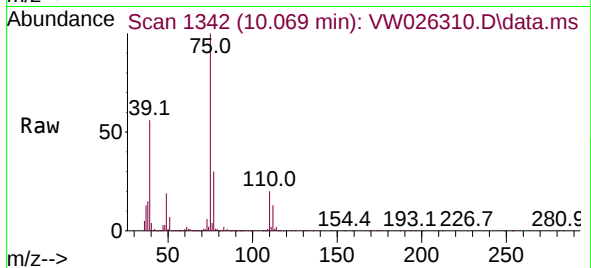




#39  
cis-1,3-Dichloropropene  
Concen: 21.648 ug/L  
RT: 10.069 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

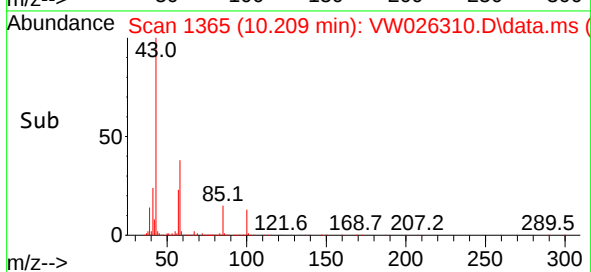
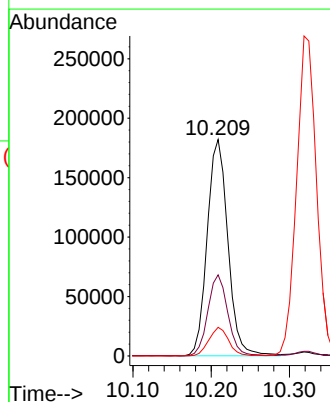
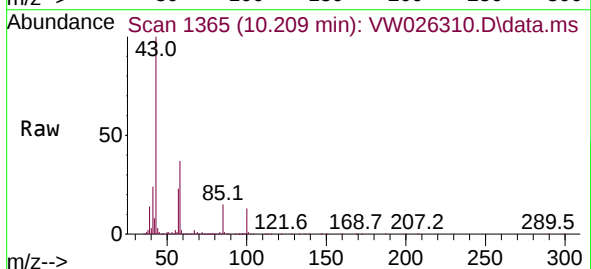
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

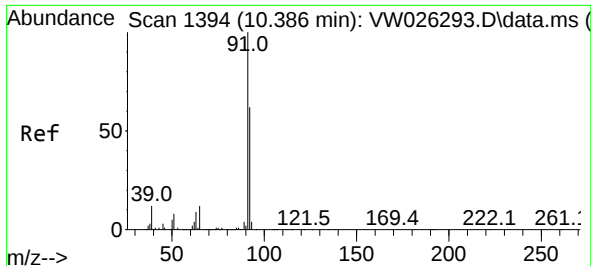
Tgt Ion: 75 Resp: 326865  
Ion Ratio Lower Upper  
75 100  
77 30.3 22.0 40.8



#40  
4-Methyl-2-pentanone  
Concen: 55.152 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 43 Resp: 334080  
Ion Ratio Lower Upper  
43 100  
58 36.0 29.0 43.4  
100 12.6 10.5 15.7





#42

Toluene

Concen: 22.116 ug/L

RT: 10.386 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

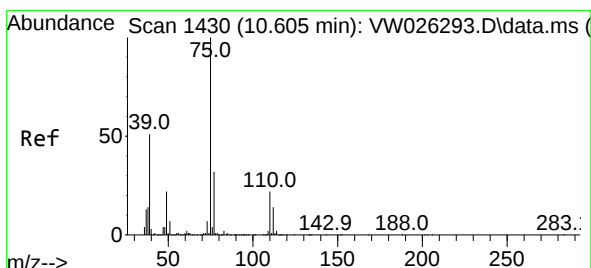
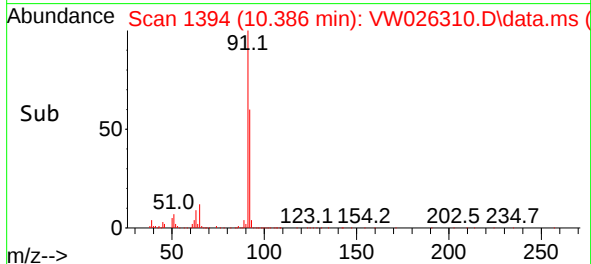
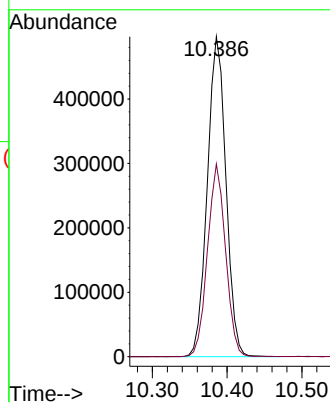
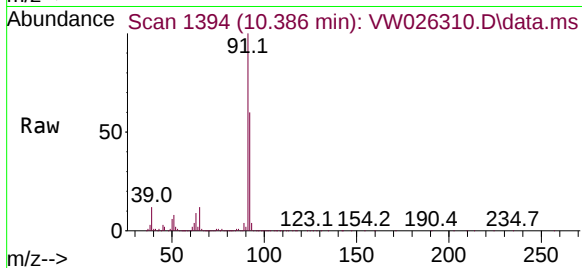
VSTD025530

Tgt Ion: 91 Resp: 858097

Ion Ratio Lower Upper

91 100

92 60.2 42.2 78.4



#44

trans-1,3-Dichloropropene

Concen: 21.667 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW026310.D

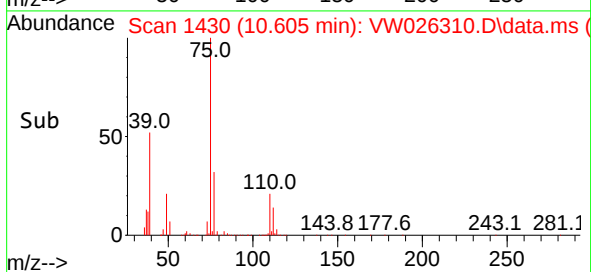
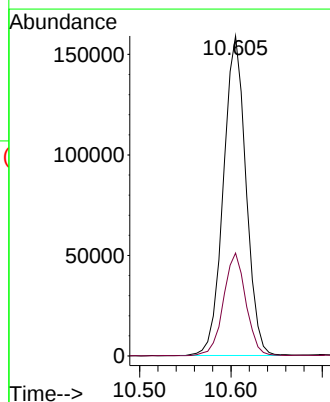
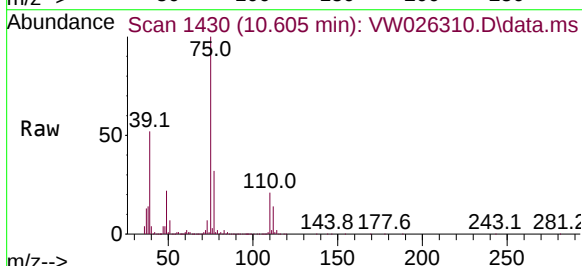
Acq: 22 Jun 2023 19:29

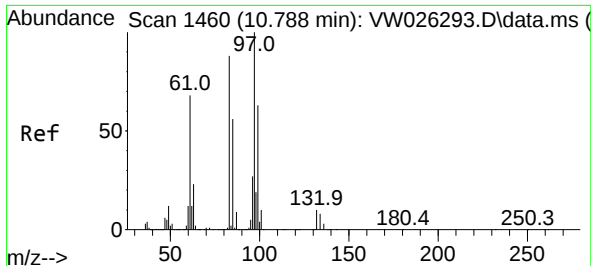
Tgt Ion: 75 Resp: 272541

Ion Ratio Lower Upper

75 100

77 32.2 21.1 39.3



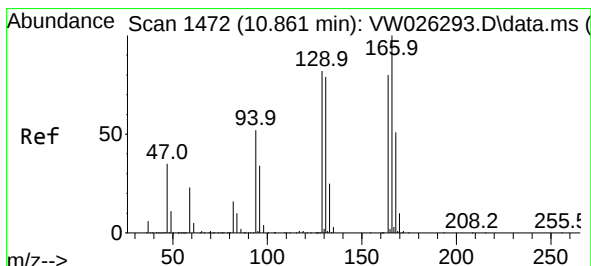
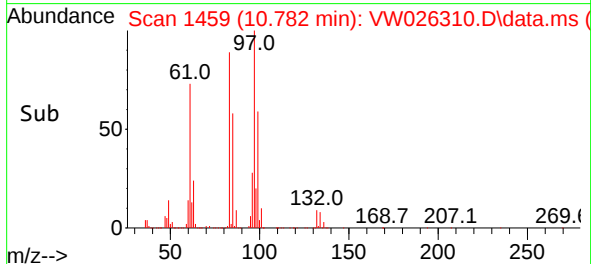
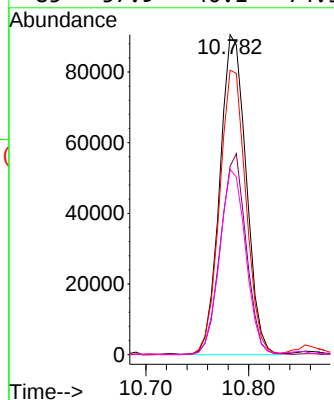
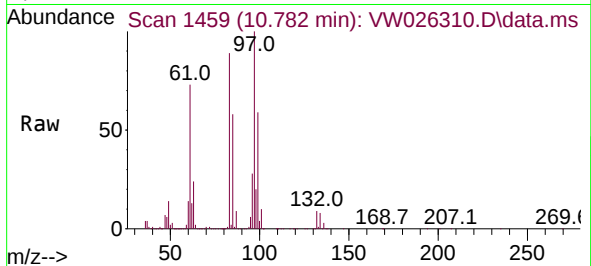


#45  
1,1,2-Trichloroethane  
Concen: 23.782 ug/L  
RT: 10.782 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

Tgt Ion: 97 Resp: 161042

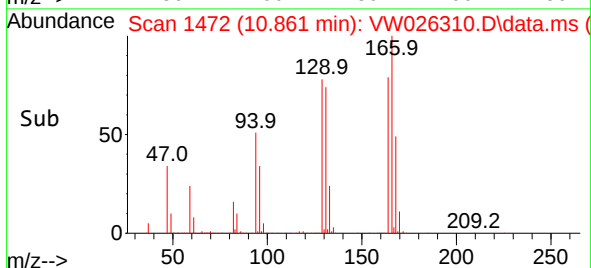
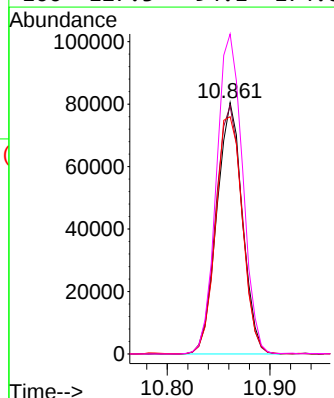
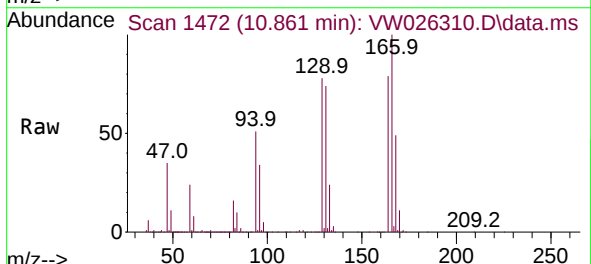
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 58.9  | 43.3  | 80.5  |
| 83  | 88.9  | 62.9  | 116.9 |
| 85  | 57.9  | 40.1  | 74.5  |

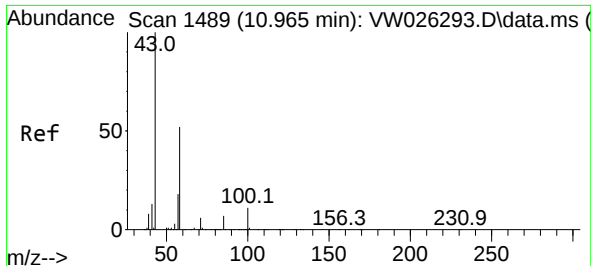


#46  
Tetrachloroethene  
Concen: 20.241 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 164 Resp: 139063

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.7  | 68.5  | 127.1 |
| 131 | 94.4  | 67.1  | 124.7 |
| 166 | 127.3 | 94.1  | 174.8 |

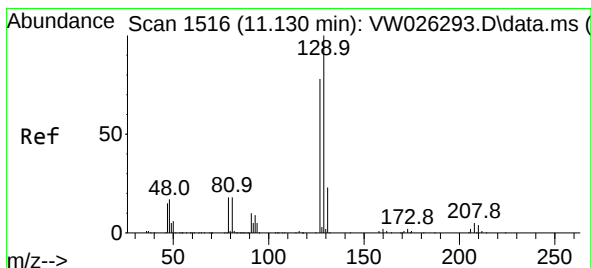
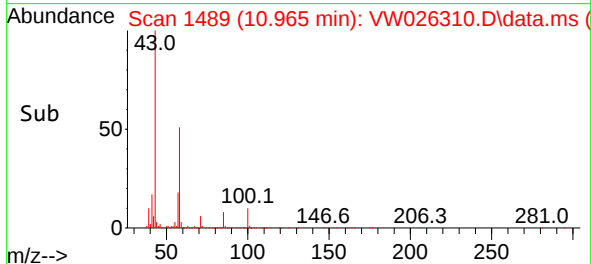
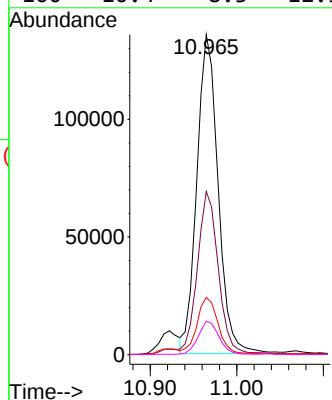
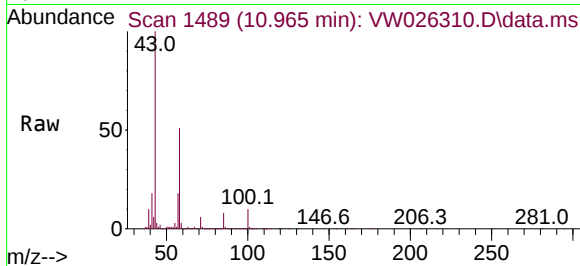




#48  
2-Hexanone  
Concen: 54.289 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

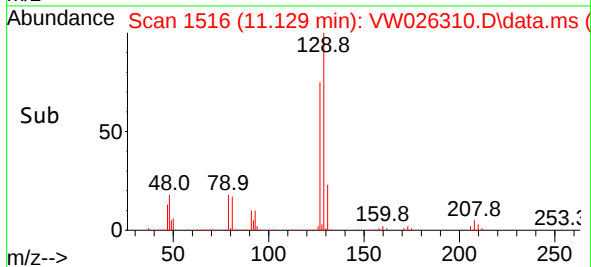
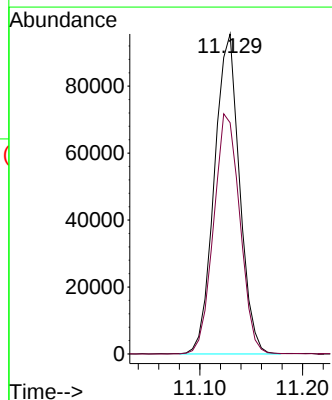
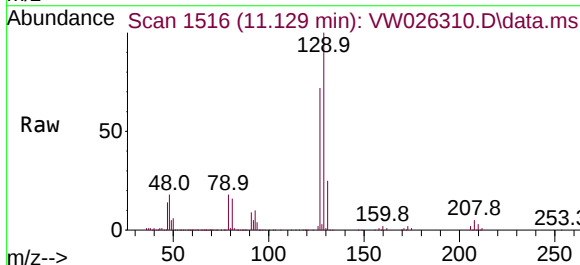
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

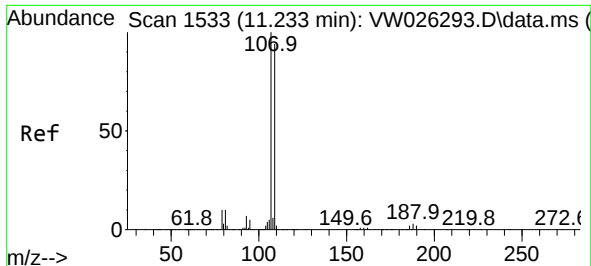
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 231875 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 50.5  | 42.2  | 63.2   |
| 57       | 17.5  | 14.2  | 21.2   |
| 100      | 10.4  | 8.3   | 12.5   |



#49  
Dibromochloromethane  
Concen: 22.878 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 162427 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 72.3  | 56.9  | 105.7  |

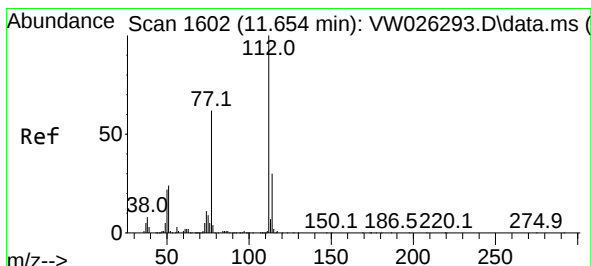
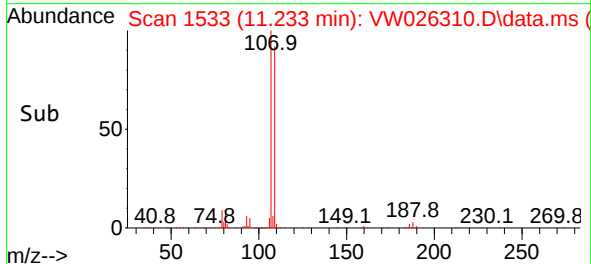
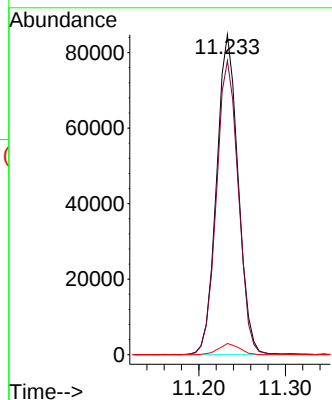
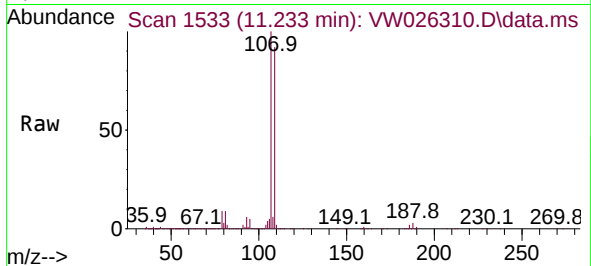




#50  
1,2-Dibromoethane  
Concen: 23.394 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

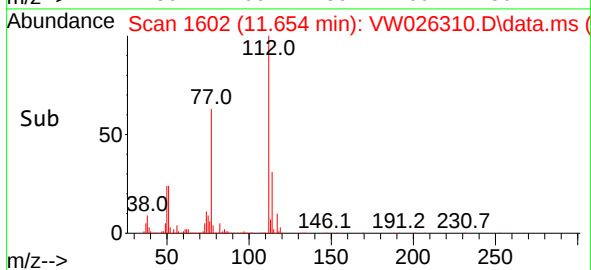
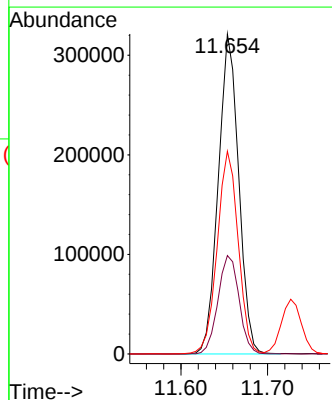
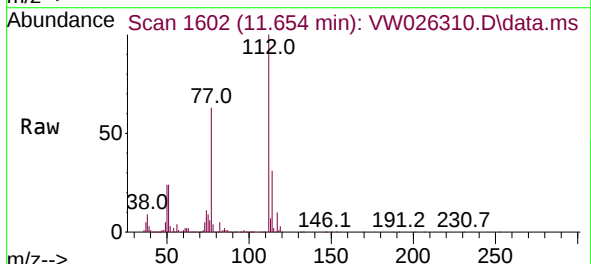
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

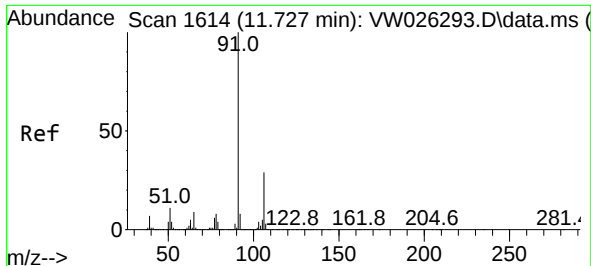
Tgt Ion:107 Resp: 146676  
Ion Ratio Lower Upper  
107 100  
109 91.8 64.0 119.0  
188 3.5 2.6 3.8



#51  
Chlorobenzene  
Concen: 21.608 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion:112 Resp: 525363  
Ion Ratio Lower Upper  
112 100  
114 30.8 23.0 42.6  
77 63.4 50.9 76.3

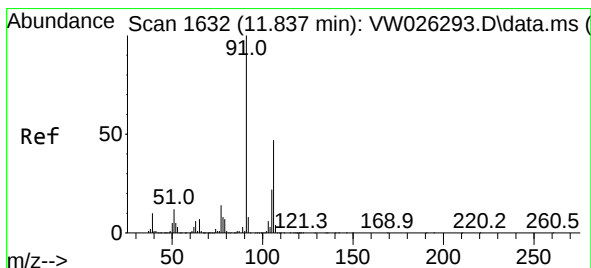
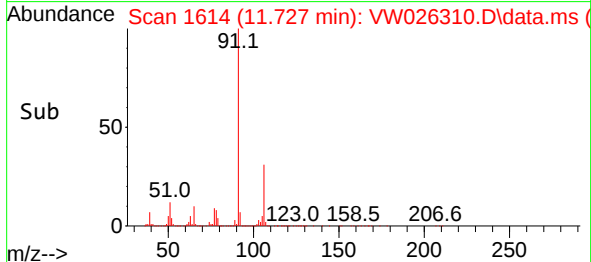
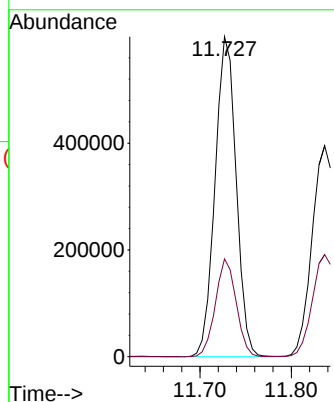
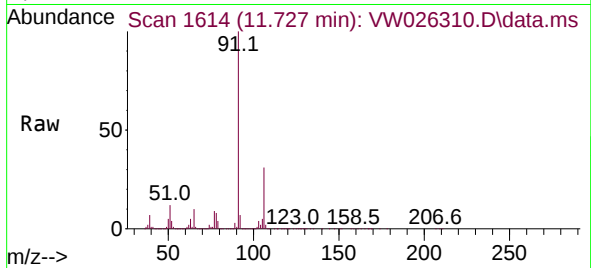




#52  
Ethylbenzene  
Concen: 21.971 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

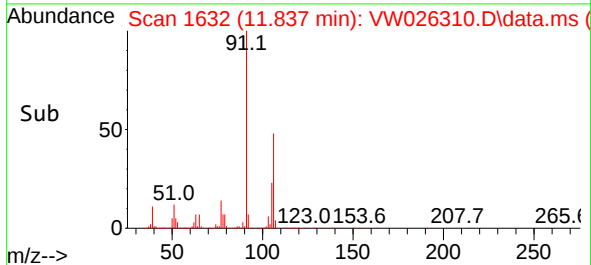
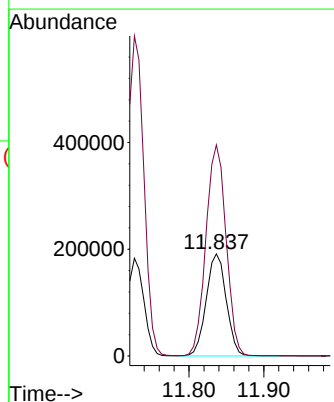
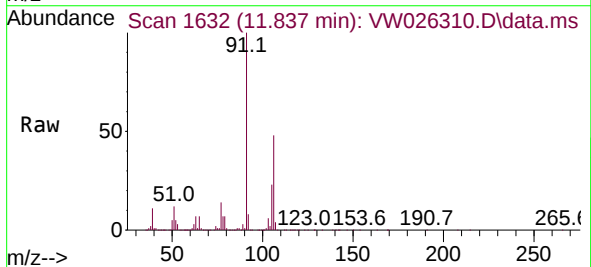
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

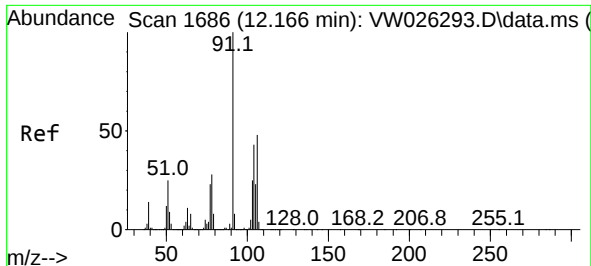
Tgt Ion: 91 Resp: 961607  
Ion Ratio Lower Upper  
91 100  
106 30.6 21.2 39.4



#53  
m,p-Xylene  
Concen: 21.823 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion: 106 Resp: 355318  
Ion Ratio Lower Upper  
106 100  
91 206.8 149.5 277.7

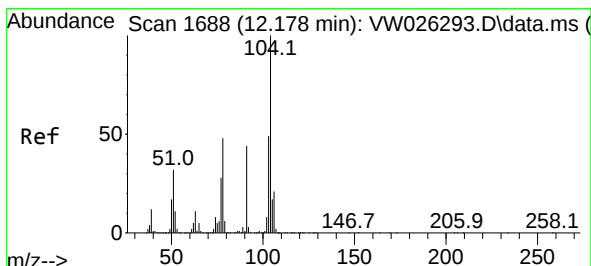
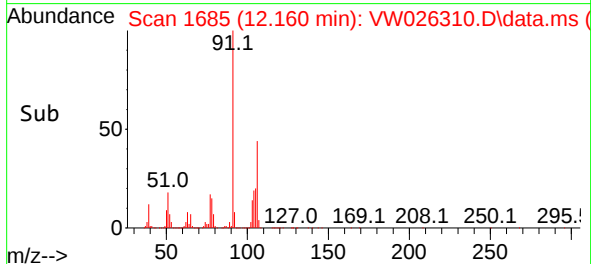
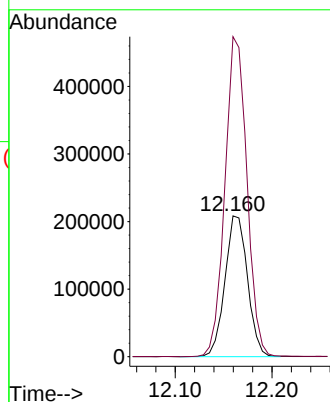
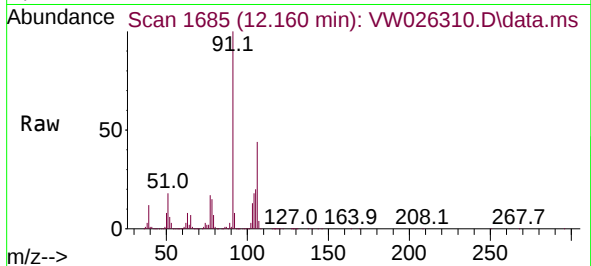




#54  
o-Xylene  
Concen: 21.924 ug/L  
RT: 12.160 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

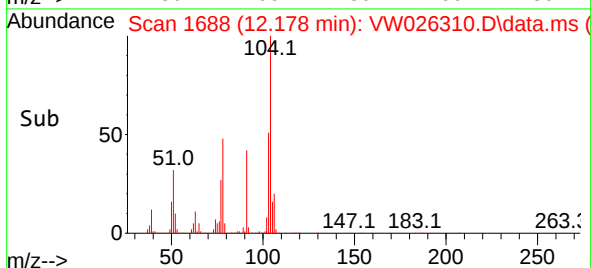
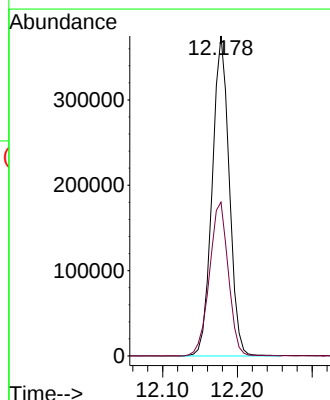
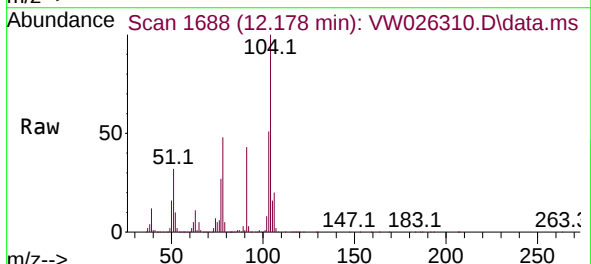
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

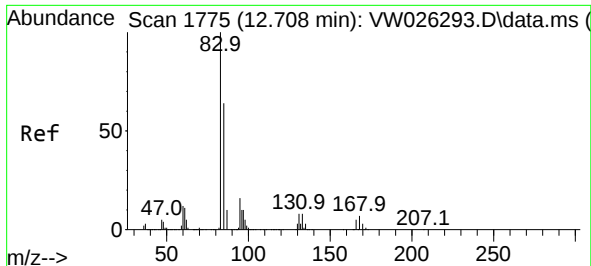
Tgt Ion:106 Resp: 336931  
Ion Ratio Lower Upper  
106 100  
91 227.2 150.9 280.3



#55  
Styrene  
Concen: 22.537 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion:104 Resp: 594171  
Ion Ratio Lower Upper  
104 100  
78 48.1 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 25.361 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025530

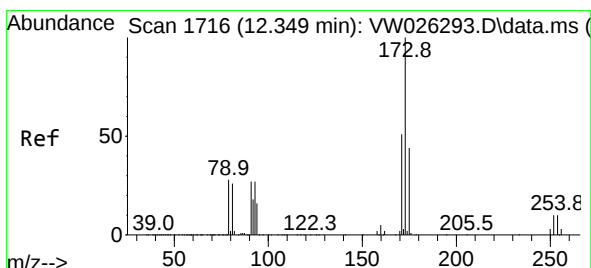
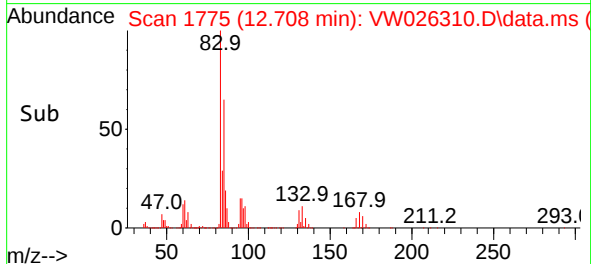
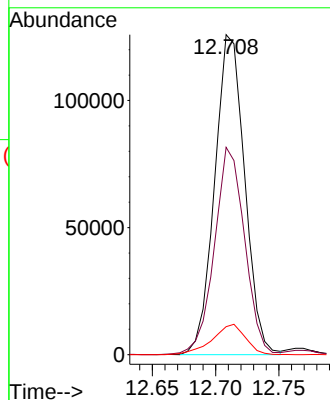
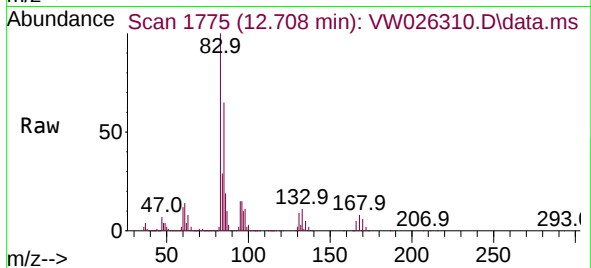
Tgt Ion: 83 Resp: 207832

Ion Ratio Lower Upper

83 100

85 64.8 42.6 79.0

131 8.8 7.2 10.8



#59

Bromoform

Concen: 22.308 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

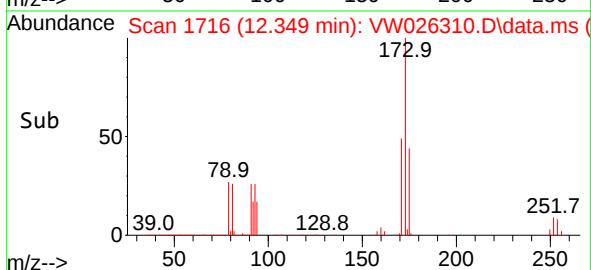
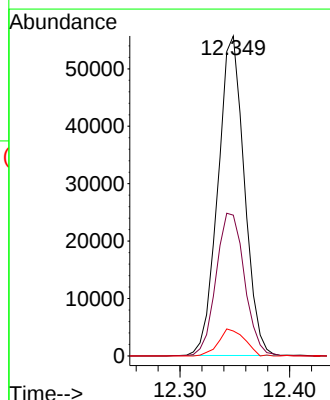
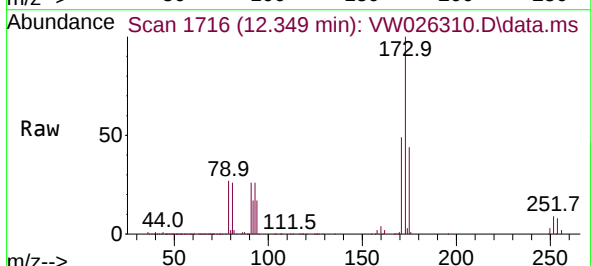
Tgt Ion:173 Resp: 92977

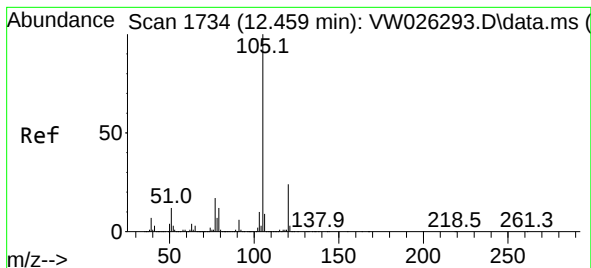
Ion Ratio Lower Upper

173 100

175 48.0 38.6 57.8

254 8.3 7.4 11.0





#60

Isopropylbenzene

Concen: 21.308 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025530

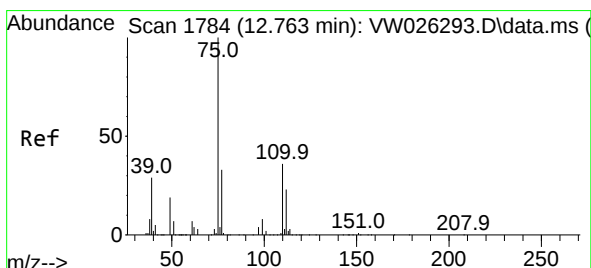
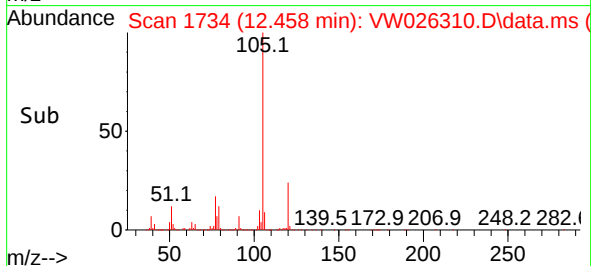
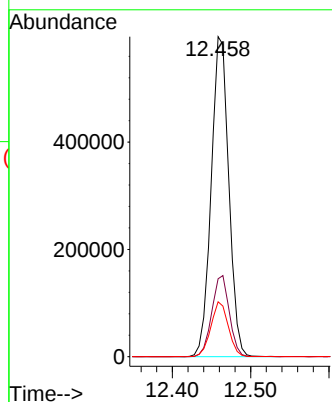
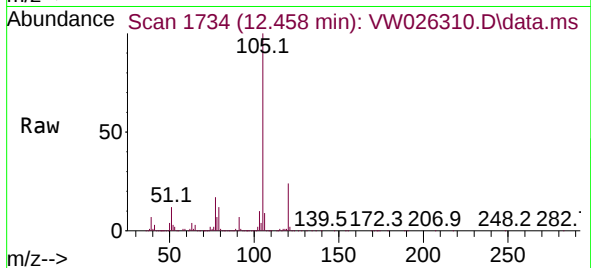
Tgt Ion:105 Resp: 928861

Ion Ratio Lower Upper

105 100

120 25.1 19.8 29.8

77 17.0 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 24.444 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

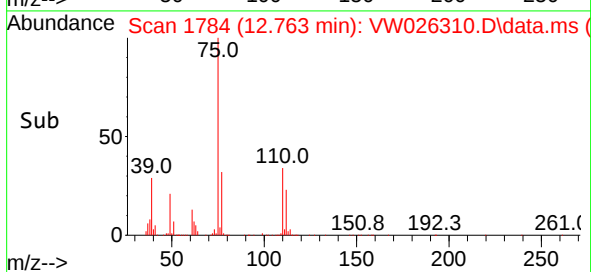
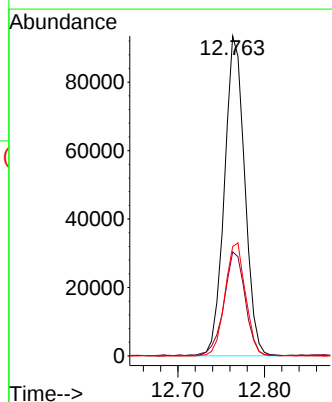
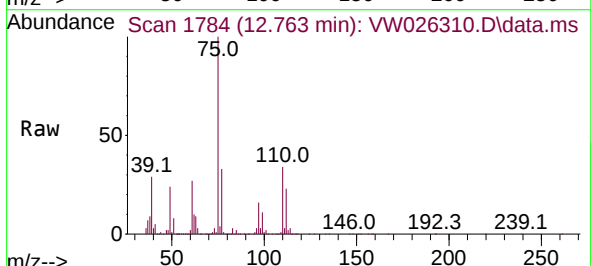
Tgt Ion: 75 Resp: 151939

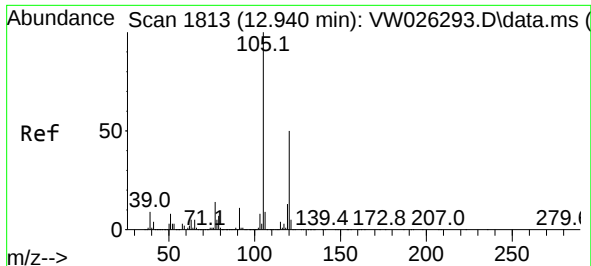
Ion Ratio Lower Upper

75 100

77 33.9 25.2 37.8

110 35.9 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 21.165 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

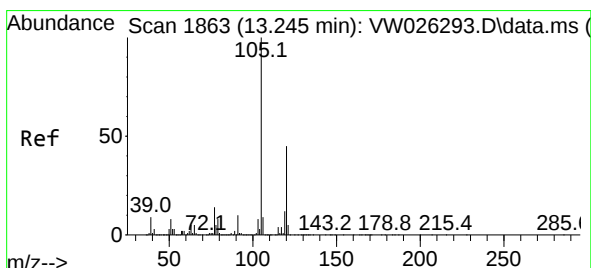
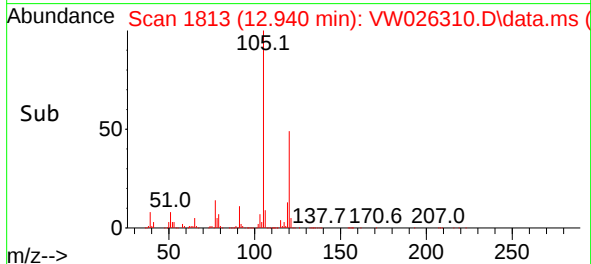
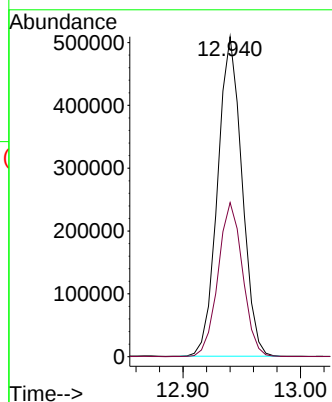
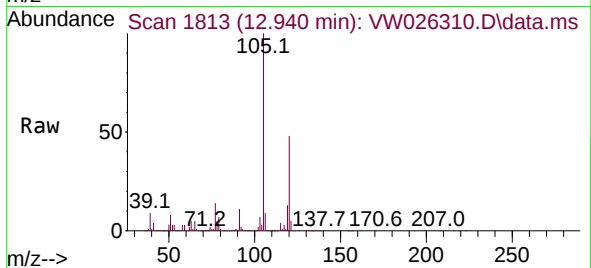
VSTD025530

Tgt Ion:105 Resp: 733447

Ion Ratio Lower Upper

105 100

120 48.7 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 21.406 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026310.D

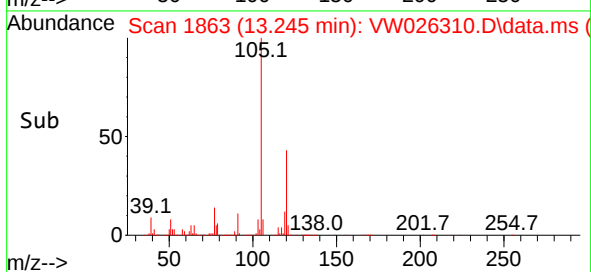
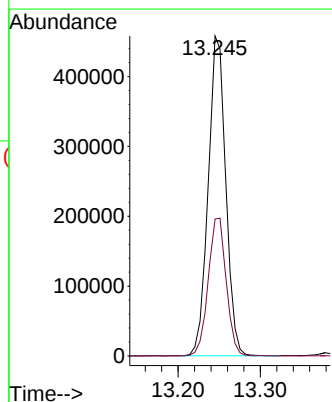
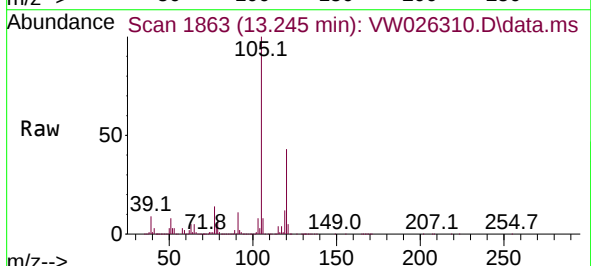
Acq: 22 Jun 2023 19:29

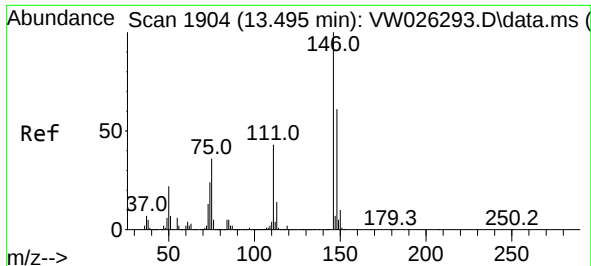
Tgt Ion:105 Resp: 679430

Ion Ratio Lower Upper

105 100

120 44.3 36.2 54.2

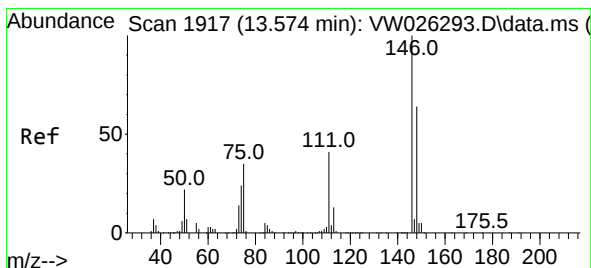
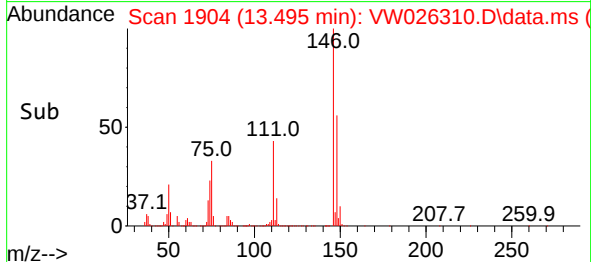
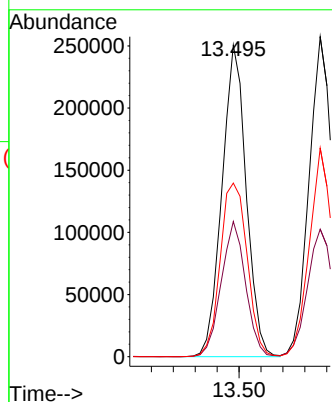
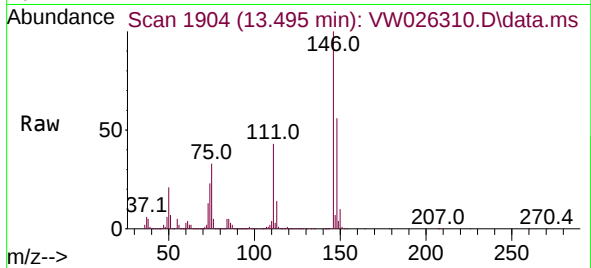




#64  
1,3-Dichlorobenzene  
Concen: 21.045 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

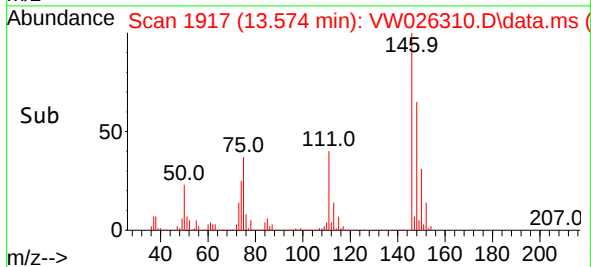
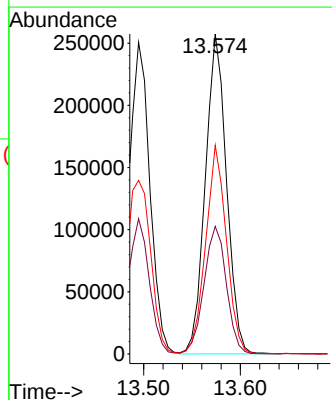
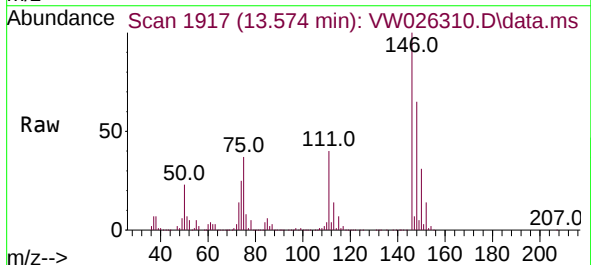
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

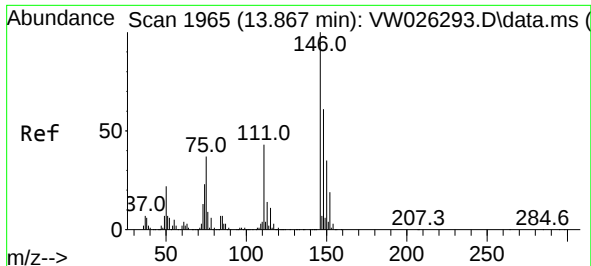
Tgt Ion:146 Resp: 385733  
Ion Ratio Lower Upper  
146 100  
111 43.4 29.7 55.1  
148 55.7 45.4 84.4



#65  
1,4-Dichlorobenzene  
Concen: 21.265 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion:146 Resp: 392405  
Ion Ratio Lower Upper  
146 100  
111 39.9 29.2 54.2  
148 65.2 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 22.045 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025530

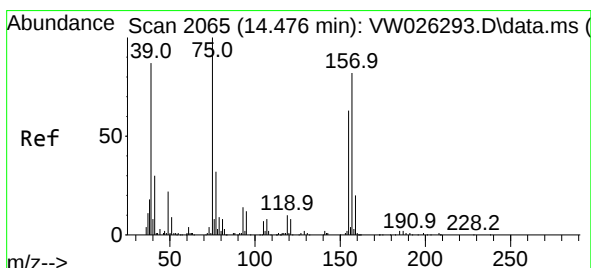
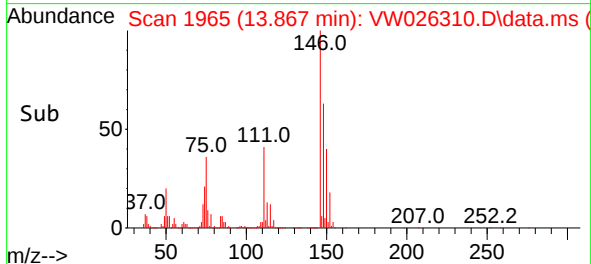
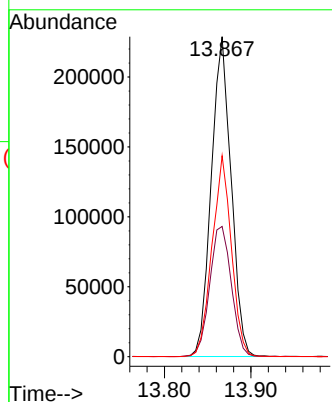
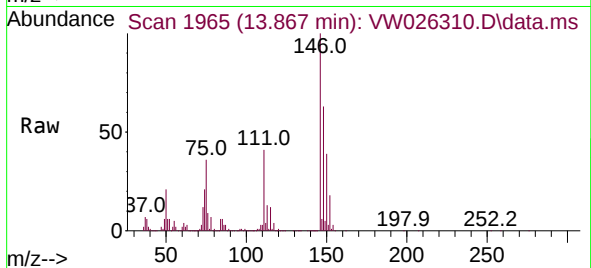
Tgt Ion:146 Resp: 362847

Ion Ratio Lower Upper

146 100

111 40.7 35.4 53.0

148 62.8 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 23.323 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW026310.D

Acq: 22 Jun 2023 19:29

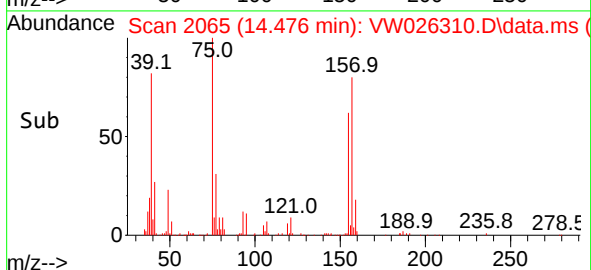
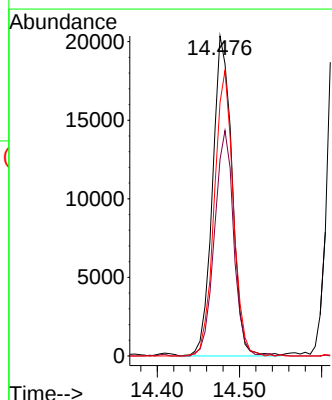
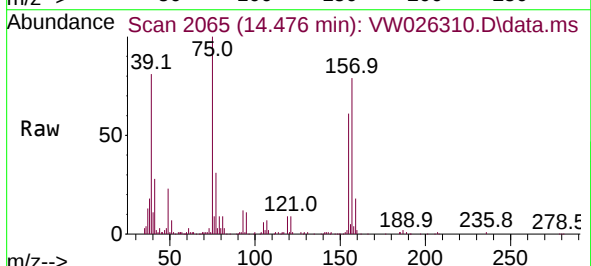
Tgt Ion: 75 Resp: 33588

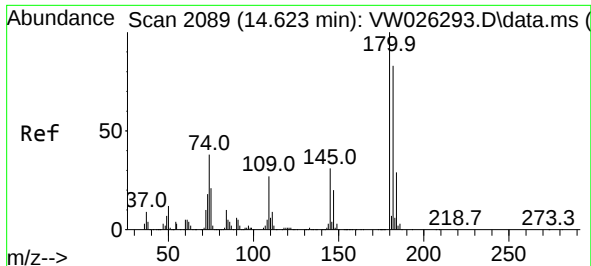
Ion Ratio Lower Upper

75 100

155 61.5 59.0 88.6

157 79.2 71.7 107.5

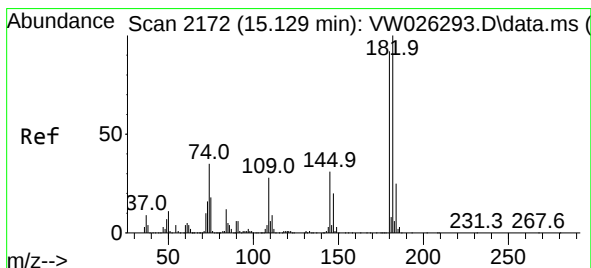
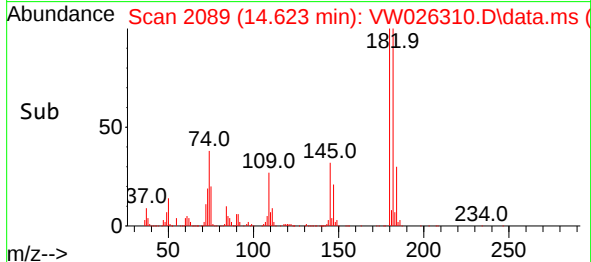
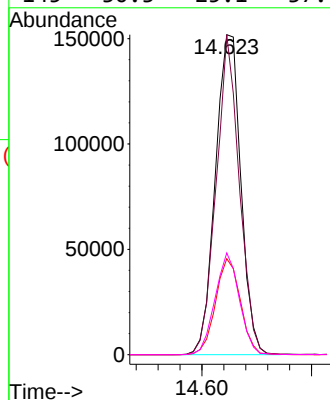
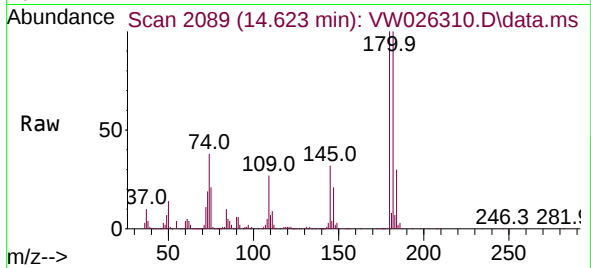




#69  
1,3,5-Trichlorobenzene  
Concen: 19.495 ug/L  
RT: 14.623 min Scan# 2089  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

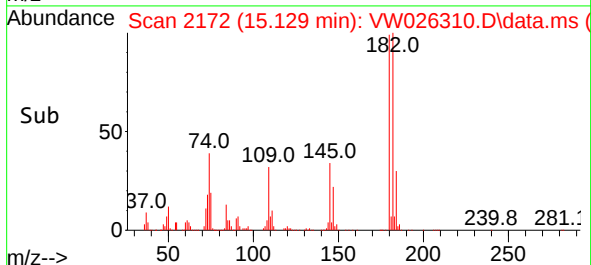
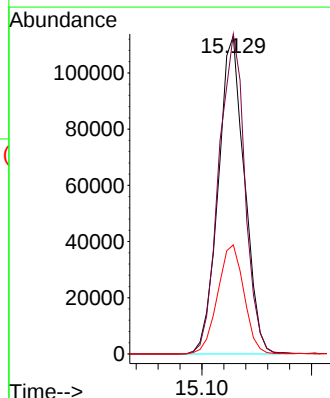
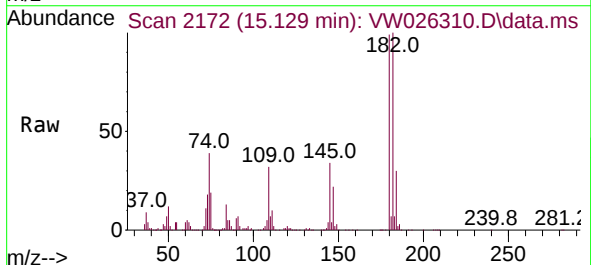
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

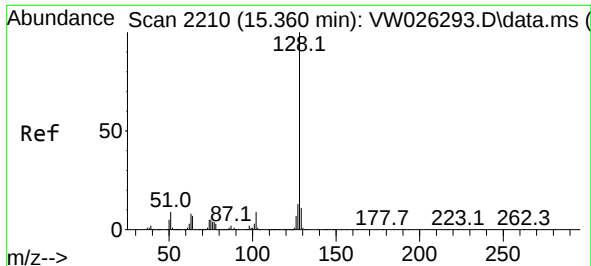
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 245453 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 90.7  | 77.0  | 115.4  |
| 184       | 29.3  | 23.7  | 35.5   |
| 145       | 30.3  | 25.1  | 37.7   |



#70  
1,2,4-trichlorobenzene  
Concen: 18.079 ug/L  
RT: 15.129 min Scan# 2172  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 187828 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 100.6 | 78.9  | 118.3  |
| 145       | 34.5  | 27.2  | 40.8   |

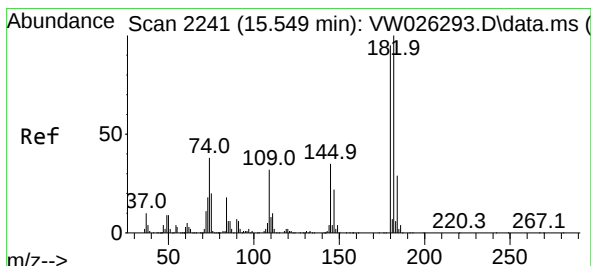
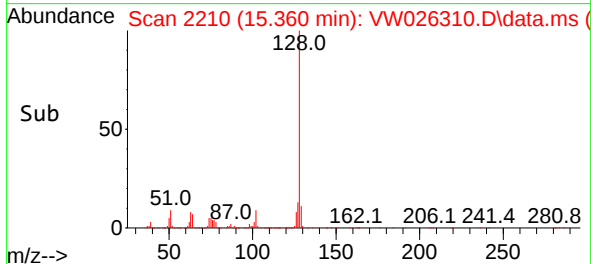
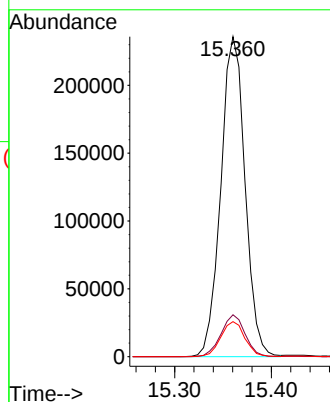
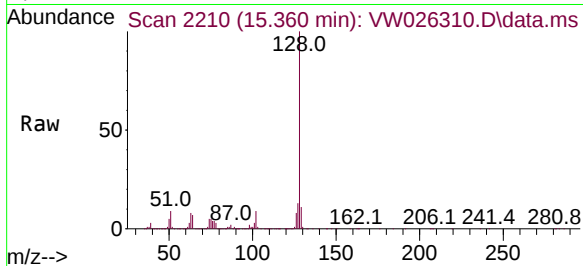




#71  
Naphthalene  
Concen: 22.127 ug/L  
RT: 15.360 min Scan# 2210  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025530

Tgt Ion:128 Resp: 409705  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.6 15.8  
129 10.9 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 19.870 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VW026310.D  
Acq: 22 Jun 2023 19:29

Tgt Ion:180 Resp: 180413  
Ion Ratio Lower Upper  
180 100  
182 98.6 76.3 114.5  
145 34.7 27.0 40.6

