

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061923\  
 Data File : VW026240.D  
 Acq On : 19 Jun 2023 10:30  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025523

Quant Time: Jun 20 03:16:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 23:58:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 655925   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 586888   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 293842   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 183430   | 19.879   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.520%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 170152   | 24.633   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 99254    | 21.814   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 87.240%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 160850   | 59.875   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 119.740% |
| 24) Chloroform-d              | 7.648  | 84    | 452157   | 23.540   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 246711   | 23.489   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.960%  |
| 32) Benzene-d6                | 8.276  | 84    | 879850   | 22.280   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.120%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 286244   | 22.879   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.520%  |
| 41) Toluene-d8                | 10.319 | 98    | 756798   | 21.609   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 86.440%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 106063   | 21.393   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.560%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 106857   | 54.167   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 108.340% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 232512   | 25.539   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.160% |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 246485   | 21.916   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 87.680%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 169177   | 21.040   | ug/L   | 90       |
| 3) Chloromethane              | 2.223  | 50    | 254013   | 24.637   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 286504   | 25.997   | ug/L   | 97       |
| 6) Bromomethane               | 2.783  | 94    | 151757   | 25.259   | ug/L   | 95       |
| 8) Chloroethane               | 2.936  | 64    | 170961   | 28.707   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 204076   | 28.783   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 228938   | 25.590   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 213664   | 25.584   | ug/L # | 73       |
| 13) Acetone                   | 4.125  | 43    | 140936   | 67.800   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.387  | 76    | 661904   | 22.452   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.667  | 43    | 126957   | 27.213   | ug/L   | 100      |
| 16) Methylene chloride        | 4.911  | 84    | 238606   | 22.792   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 229568   | 24.500   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 366841   | 24.841   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 482706   | 25.305   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 247128   | 24.899   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 184864   | 62.344   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 103360   | 24.419   | ug/L   | 93       |
| 25) Chloroform                | 7.679  | 83    | 446971   | 25.157   | ug/L   | 96       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Jun 20 03:16:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 23:58:43 2023  
 Response via : Initial Calibration

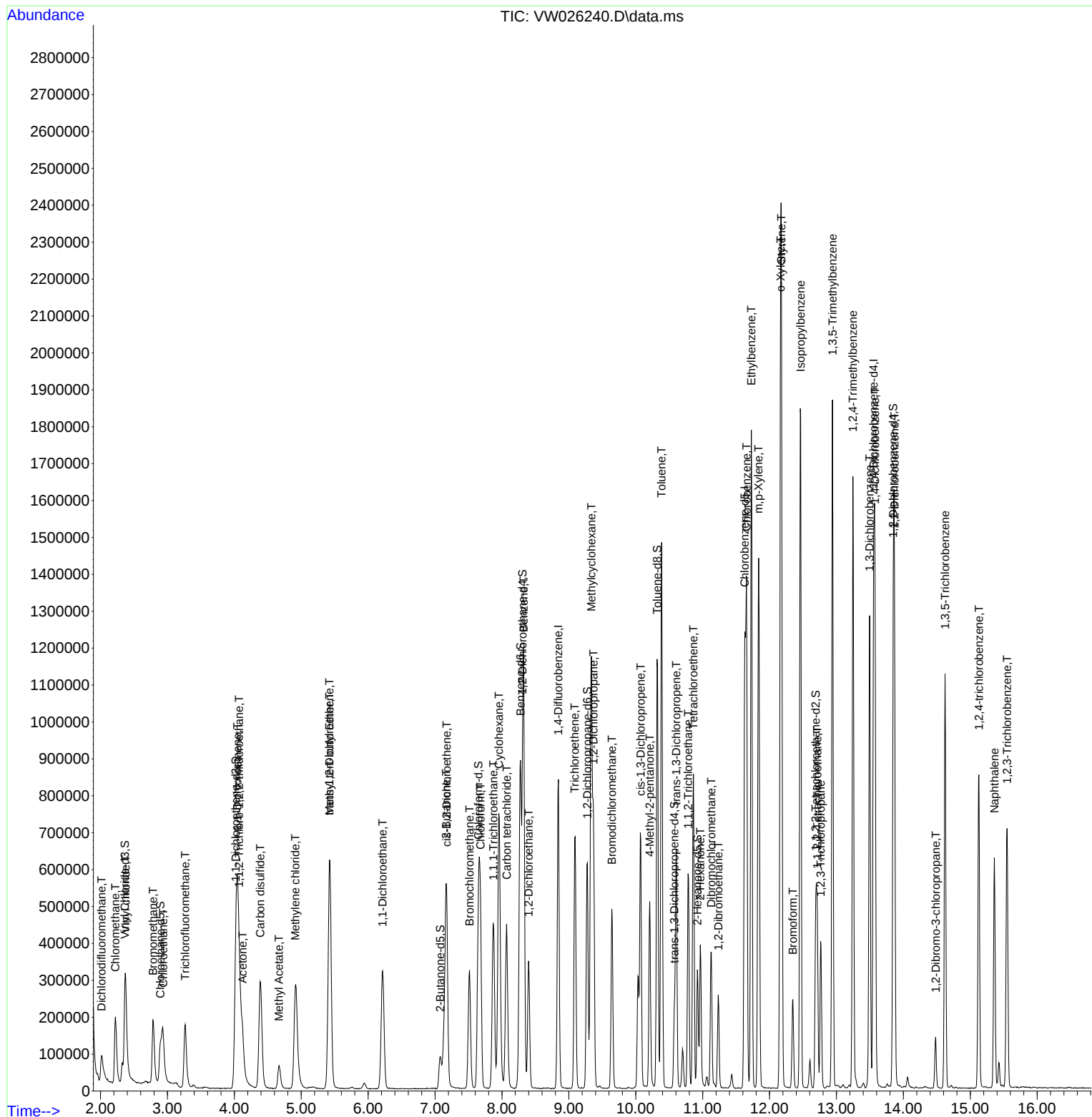
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 307020   | 25.055 | ug/L  | 98       |
| 29) Cyclohexane               | 7.953  | 56   | 442436   | 24.418 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 370345   | 26.003 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 329626   | 25.362 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 1003782  | 24.967 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 251027   | 24.384 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 451333   | 24.776 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 274191   | 25.180 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 316710   | 25.034 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 399686   | 24.977 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 352335   | 54.881 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 1038733  | 25.260 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 335060   | 25.133 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 183430   | 25.559 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 175316   | 24.077 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 260583   | 57.565 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.130 | 129  | 190784   | 25.355 | ug/L  | 93       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 165237   | 24.866 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 631482   | 24.506 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 1188513  | 25.622 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 433435   | 25.117 | ug/L  | 94       |
| 54) o-Xylene                  | 12.166 | 106  | 409972   | 25.171 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 710624   | 25.432 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 228266   | 26.282 | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 104779   | 23.741 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.465 | 105  | 1142324  | 24.747 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 166290   | 25.264 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 918980   | 25.043 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 820119   | 24.401 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 461363   | 23.771 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 460651   | 23.574 | ug/L  | 93       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 416511   | 23.898 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 35484    | 23.269 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 311268   | 23.347 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 257695   | 23.424 | ug/L  | 92       |
| 71) Naphthalene               | 15.360 | 128  | 480813   | 24.522 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 224295   | 23.329 | ug/L  | 100      |

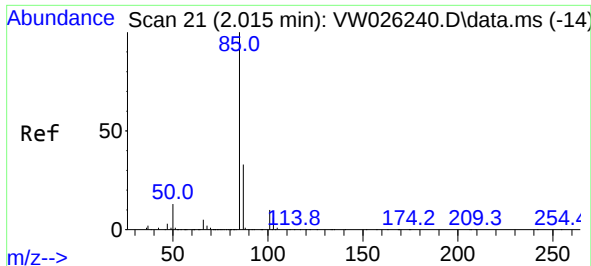
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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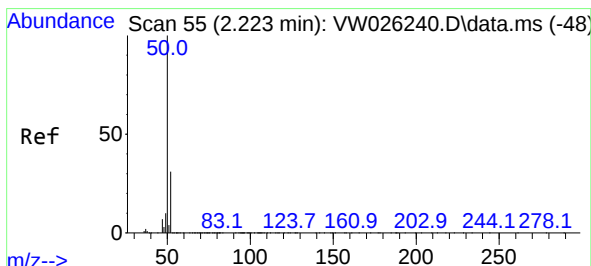
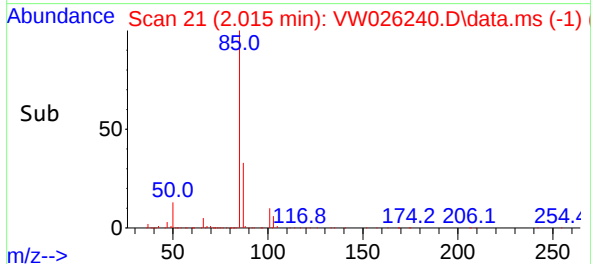
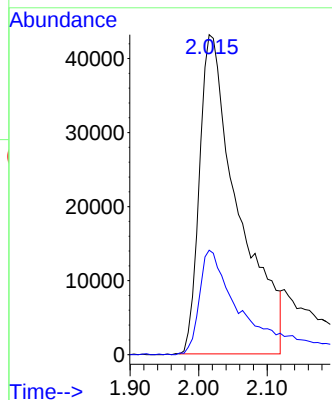
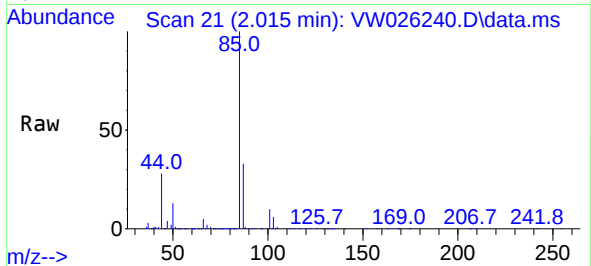




#2  
Dichlorodifluoromethane  
Concen: 21.040 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

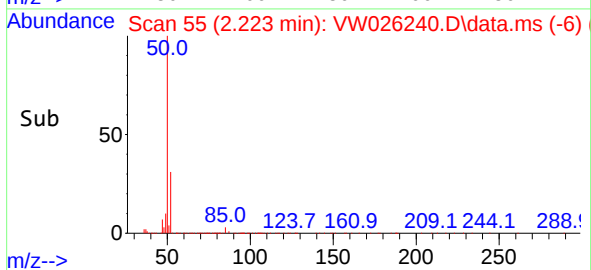
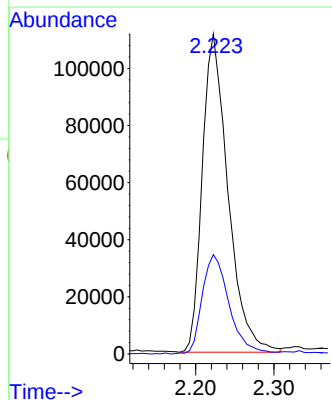
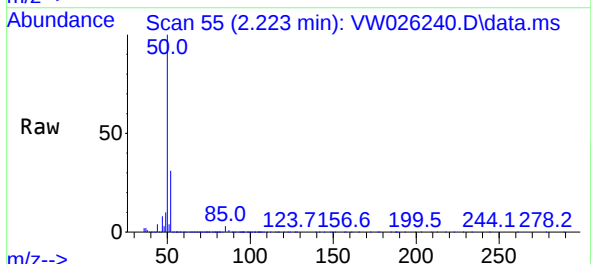
Instrument :  
MSVOA\_W  
ClientSampleId :  
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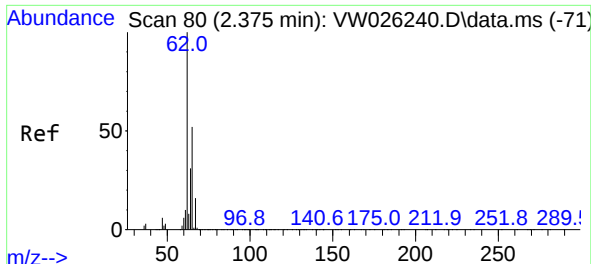
Tgt Ion: 85 Resp: 169177  
Ion Ratio Lower Upper  
85 100  
87 32.9 22.2 33.2



#3  
Chloromethane  
Concen: 24.637 ug/L  
RT: 2.223 min Scan# 55  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 50 Resp: 254013  
Ion Ratio Lower Upper  
50 100  
52 31.1 21.3 39.6

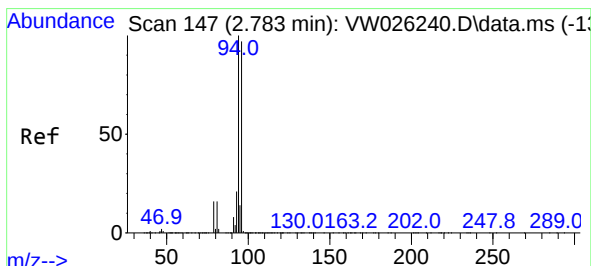
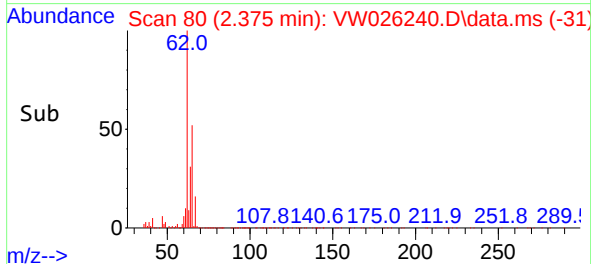
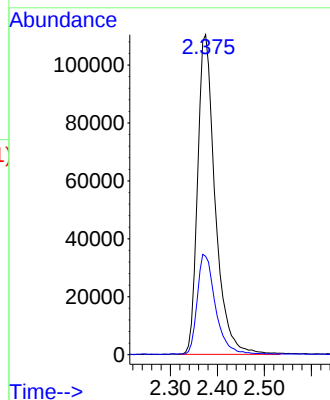
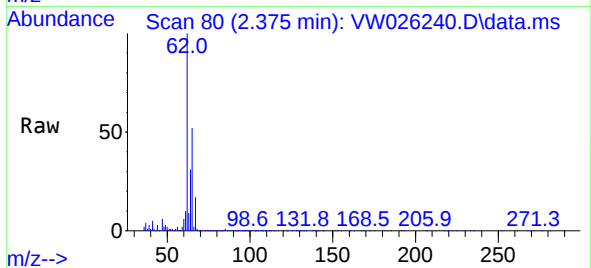




#5  
 Vinyl chloride  
 Concen: 25.997 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW026240.D  
 Acq: 19 Jun 2023 10:30

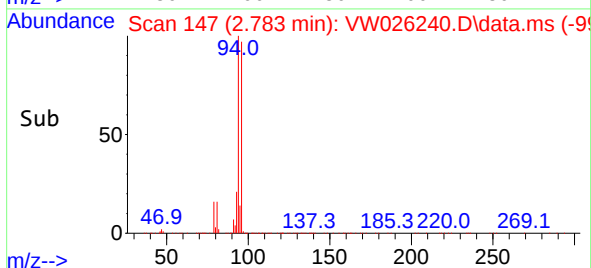
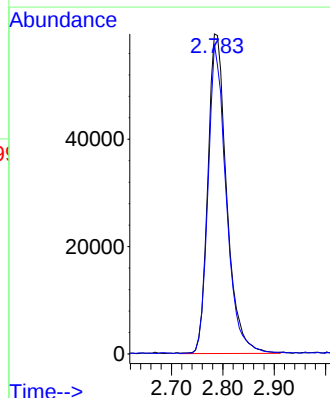
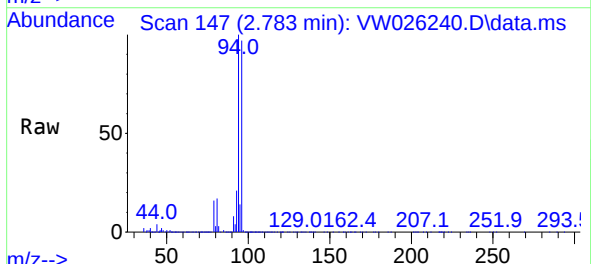
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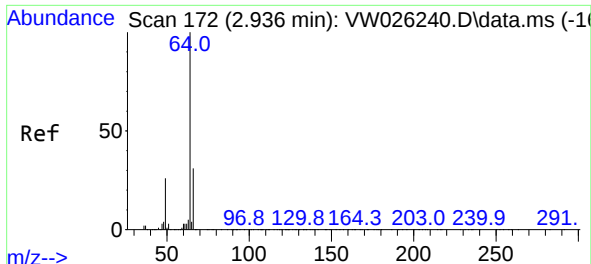
Tgt Ion: 62 Resp: 286504  
 Ion Ratio Lower Upper  
 62 100  
 64 30.8 22.7 42.1



#6  
 Bromomethane  
 Concen: 25.259 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VW026240.D  
 Acq: 19 Jun 2023 10:30

Tgt Ion: 94 Resp: 151757  
 Ion Ratio Lower Upper  
 94 100  
 96 96.8 64.2 119.2

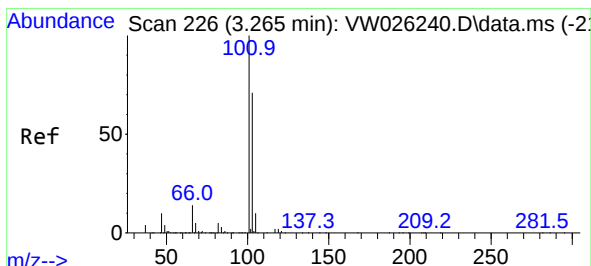
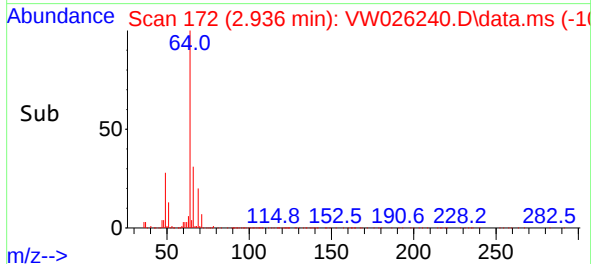
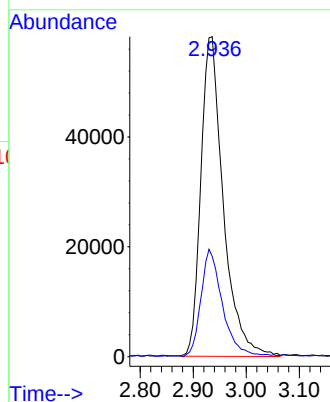
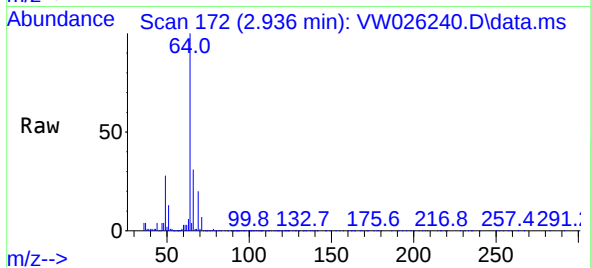




#8  
Chloroethane  
Concen: 28.707 ug/L  
RT: 2.936 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

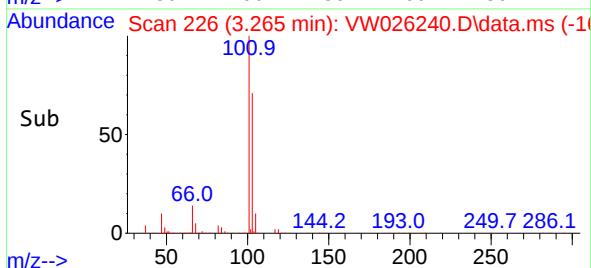
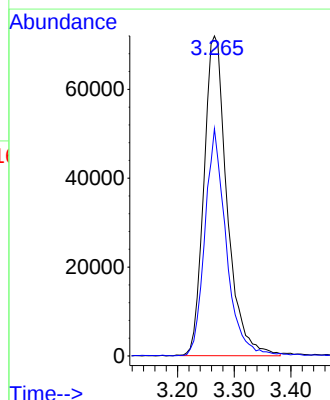
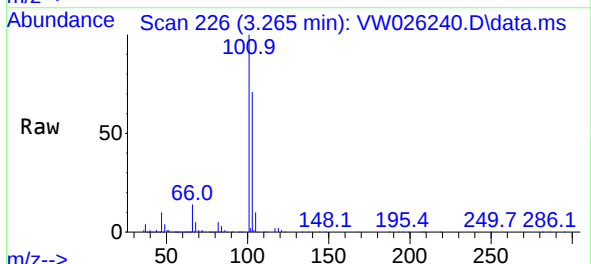
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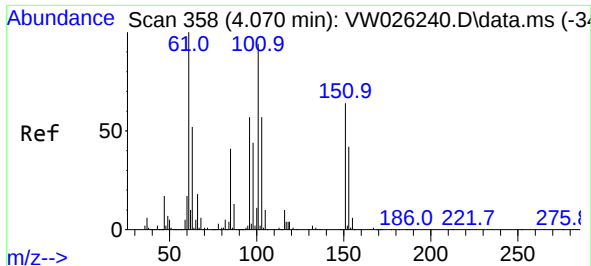
Tgt Ion: 64 Resp: 170961  
Ion Ratio Lower Upper  
64 100  
66 31.3 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 28.783 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 101 Resp: 204076  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.6 77.4

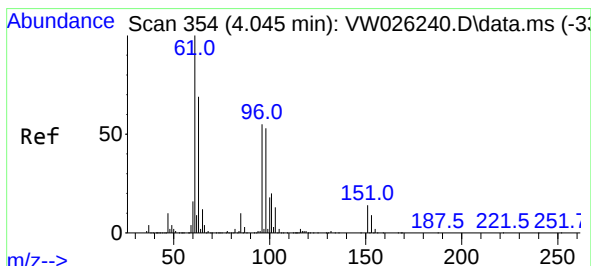
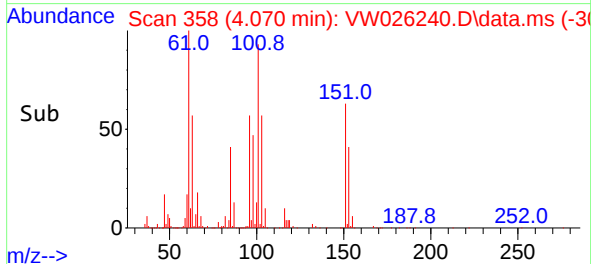
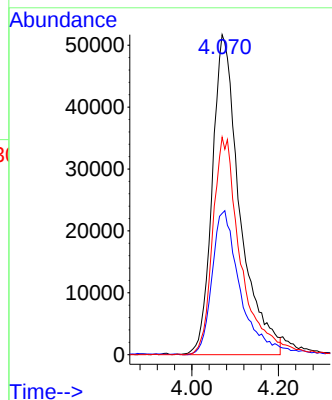
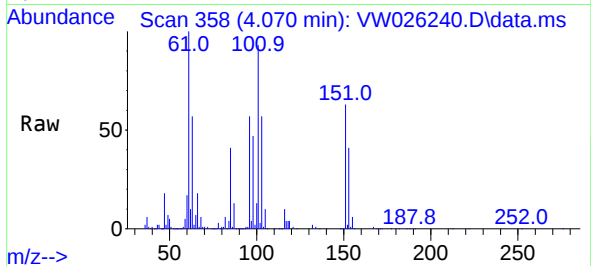




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.590 ug/L  
 RT: 4.070 min Scan# 358  
 Delta R.T. 0.000 min  
 Lab File: VW026240.D  
 Acq: 19 Jun 2023 10:30

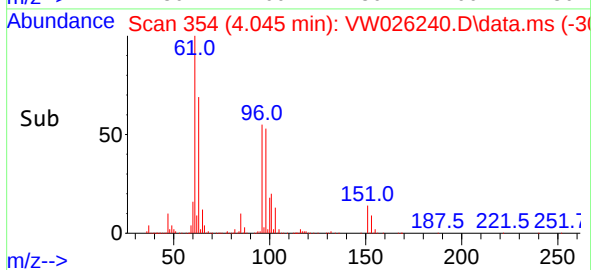
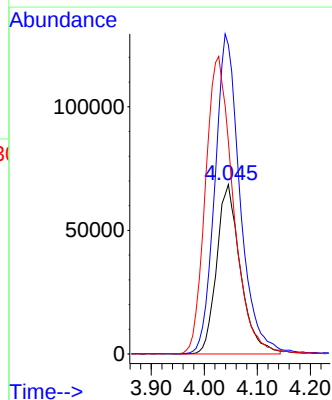
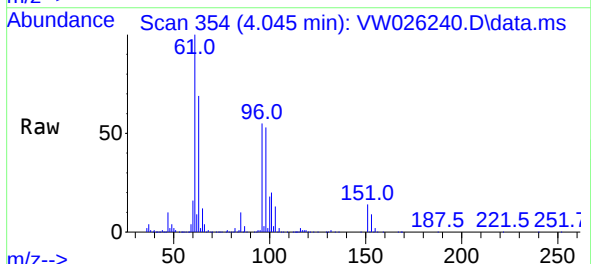
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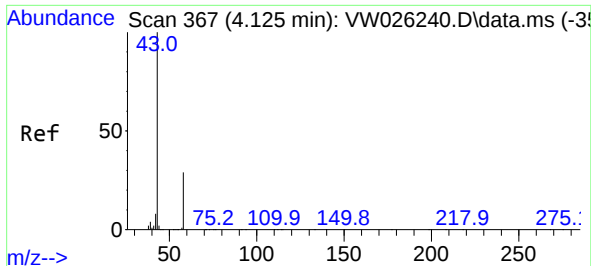
Tgt Ion:101 Resp: 228938  
 Ion Ratio Lower Upper  
 101 100  
 85 44.6 36.1 54.1  
 151 68.7 55.1 82.7



#12  
 1,1-Dichloroethene  
 Concen: 25.584 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW026240.D  
 Acq: 19 Jun 2023 10:30

Tgt Ion: 96 Resp: 213664  
 Ion Ratio Lower Upper  
 96 100  
 61 182.5 140.6 261.0  
 63 125.6 131.7 244.5#

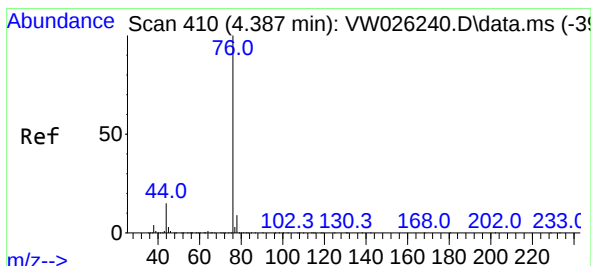
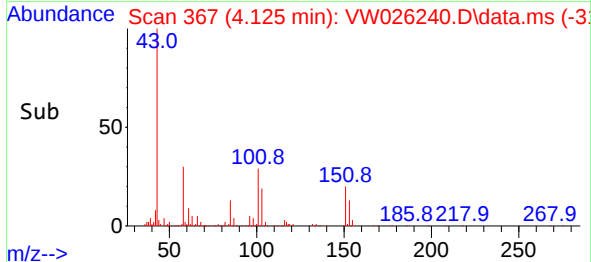
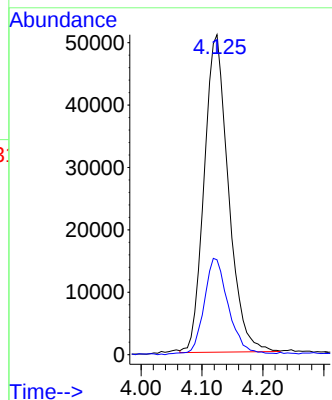
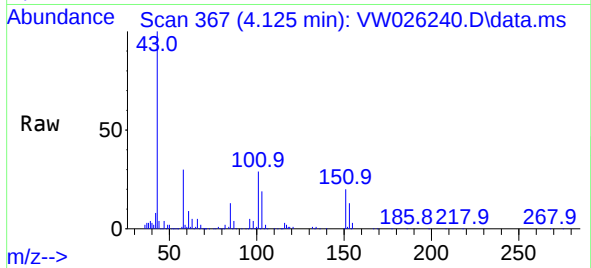




#13  
Acetone  
Concen: 67.800 ug/L  
RT: 4.125 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

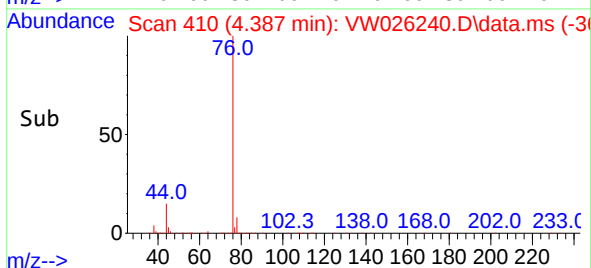
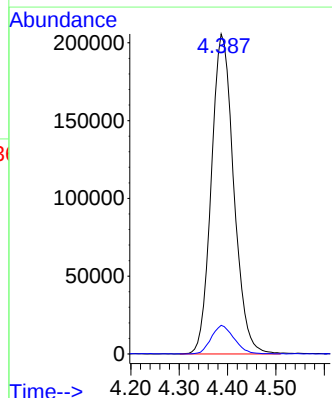
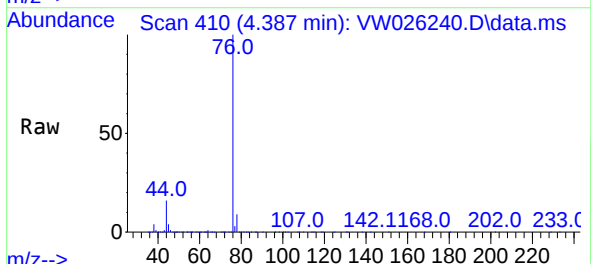
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

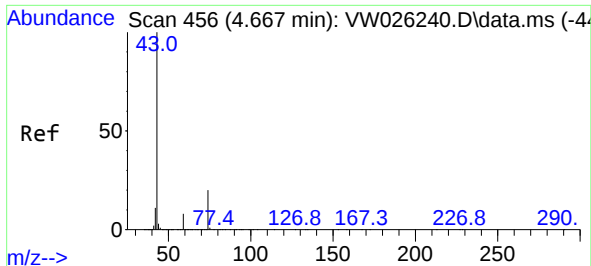
Tgt Ion: 43 Resp: 140936  
Ion Ratio Lower Upper  
43 100  
58 30.7 0.0 58.2



#14  
Carbon disulfide  
Concen: 22.452 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 76 Resp: 661904  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8

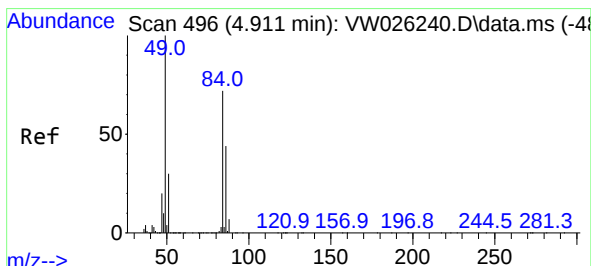
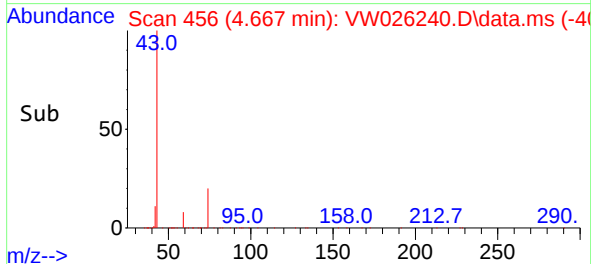
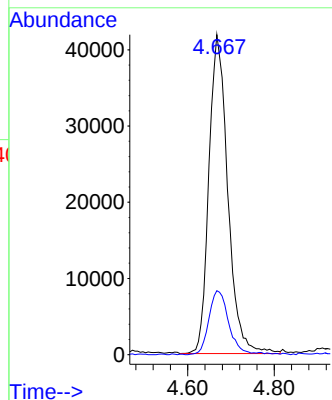
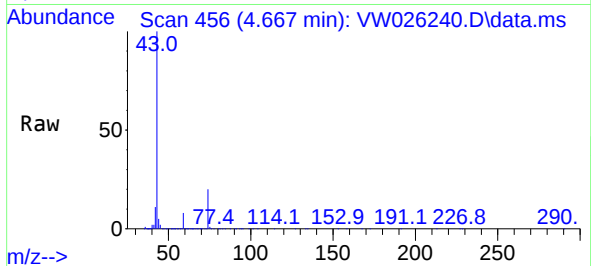




#15  
Methyl Acetate  
Concen: 27.213 ug/L  
RT: 4.667 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

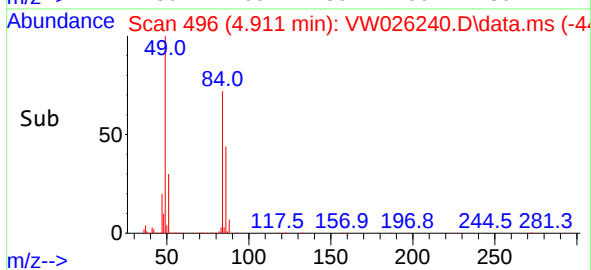
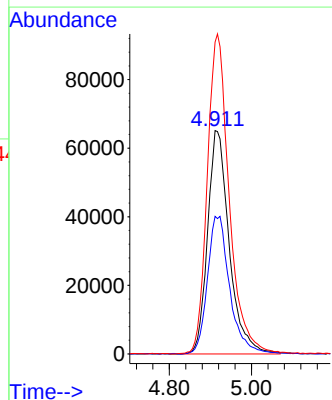
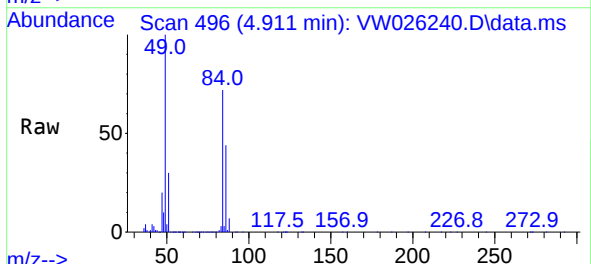
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

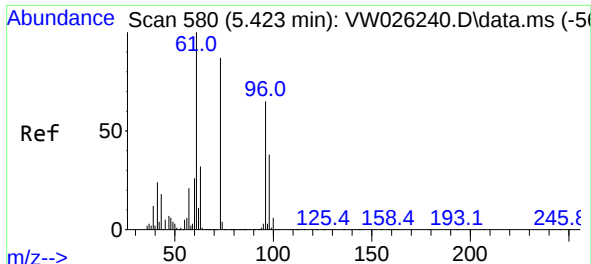
Tgt Ion: 43 Resp: 126957  
Ion Ratio Lower Upper  
43 100  
74 20.8 16.6 25.0



#16  
Methylene chloride  
Concen: 22.792 ug/L  
RT: 4.911 min Scan# 496  
Delta R.T. -0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 84 Resp: 238606  
Ion Ratio Lower Upper  
84 100  
86 61.6 44.2 82.0  
49 139.6 98.8 183.6

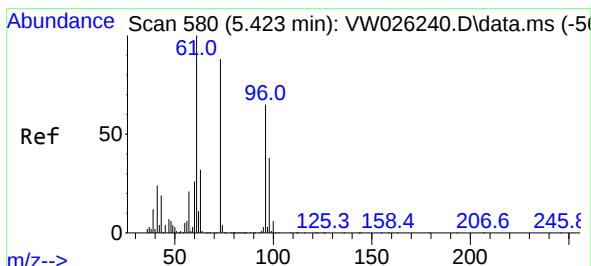
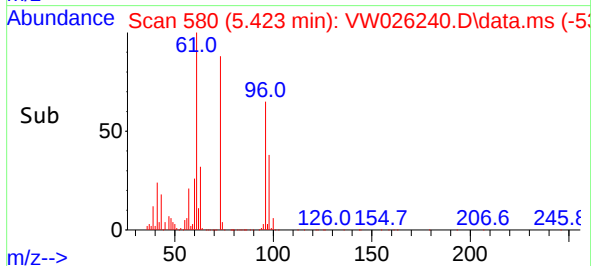
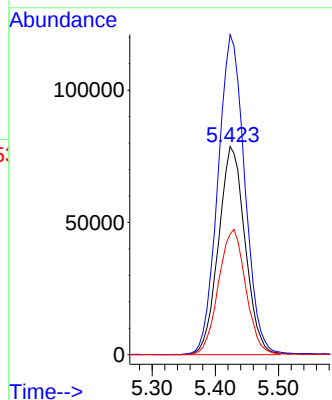
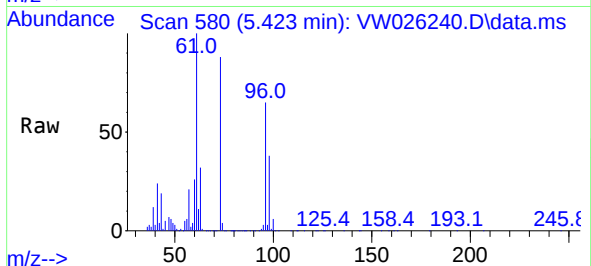




#17  
trans-1,2-Dichloroethene  
Concen: 24.500 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

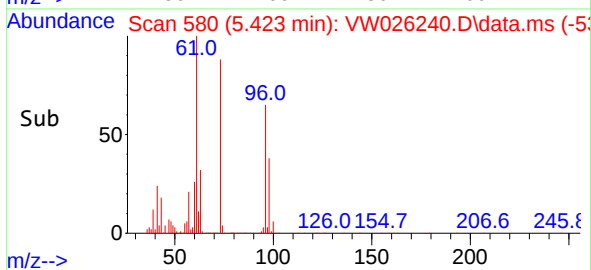
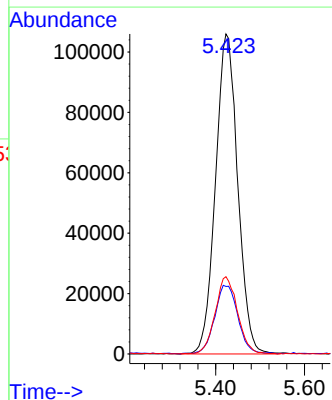
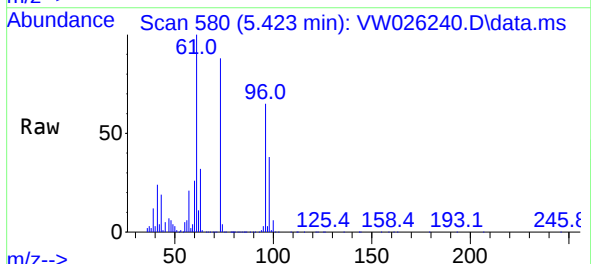
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

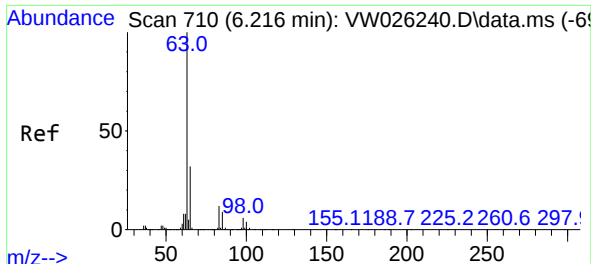
Tgt Ion: 96 Resp: 229568  
Ion Ratio Lower Upper  
96 100  
61 153.7 113.0 209.8  
98 58.0 42.5 78.9



#18  
Methyl tert-butyl Ether  
Concen: 24.841 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 73 Resp: 366841  
Ion Ratio Lower Upper  
73 100  
43 22.2 17.8 26.6  
57 24.3 18.9 28.3





#19

1,1-Dichloroethane

Concen: 25.305 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026240.D

Acq: 19 Jun 2023 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025523

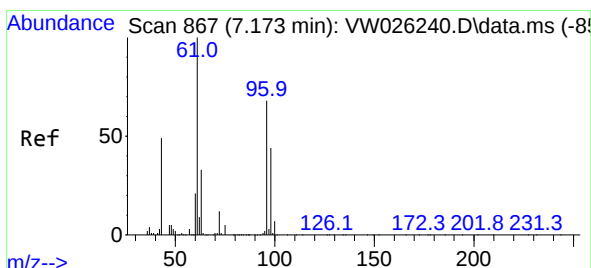
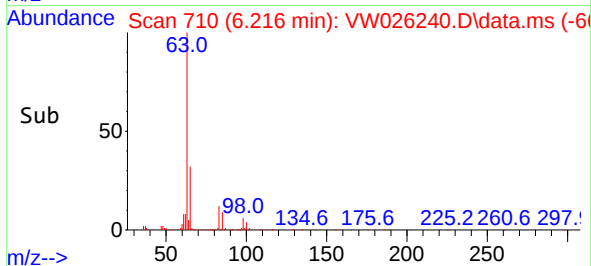
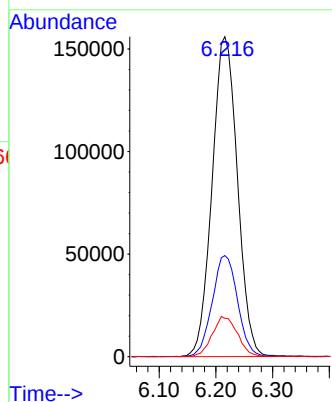
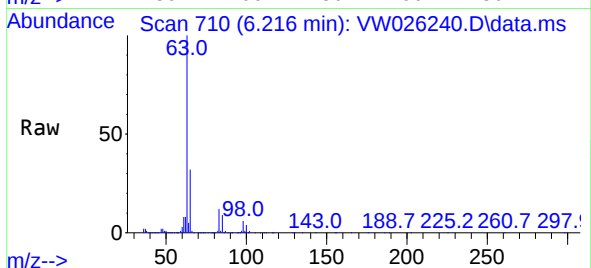
Tgt Ion: 63 Resp: 482706

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

83 12.0 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 24.899 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026240.D

Acq: 19 Jun 2023 10:30

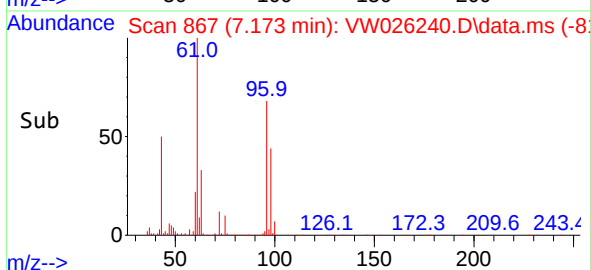
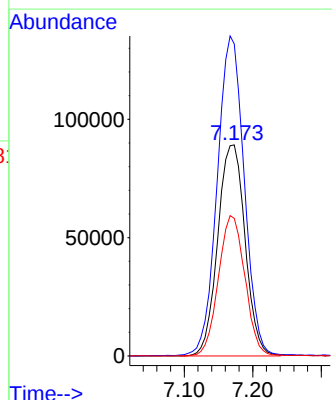
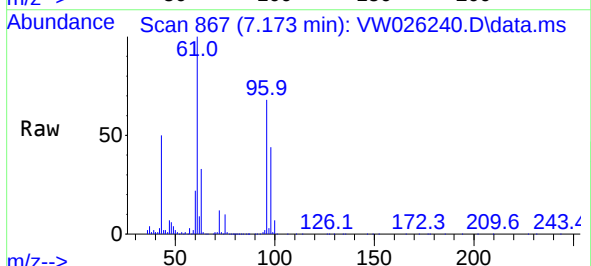
Tgt Ion: 96 Resp: 247128

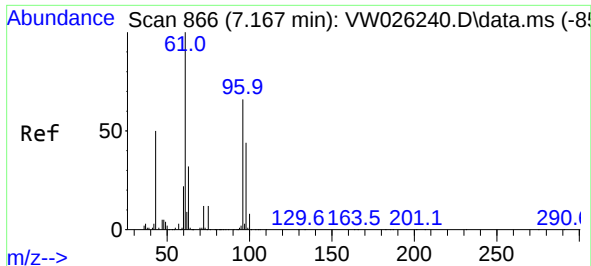
Ion Ratio Lower Upper

96 100

61 147.8 98.4 182.8

98 65.2 45.2 84.0

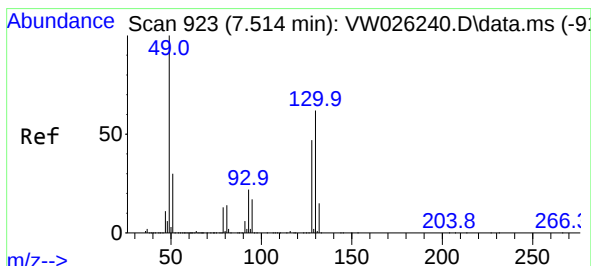
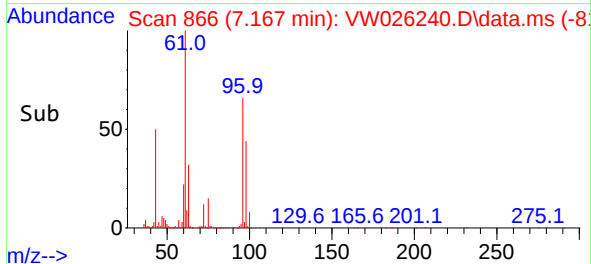
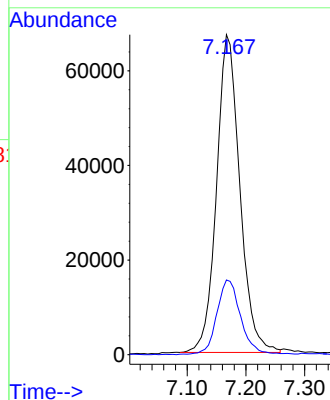
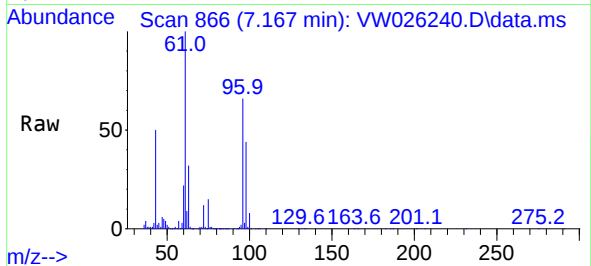




#22  
2-Butanone  
Concen: 62.344 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

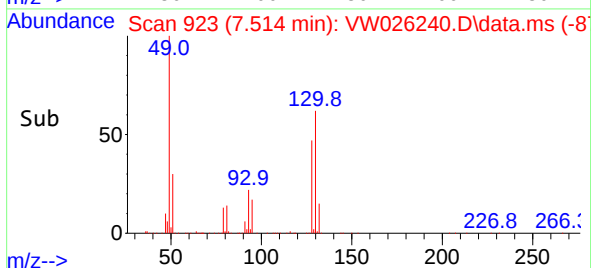
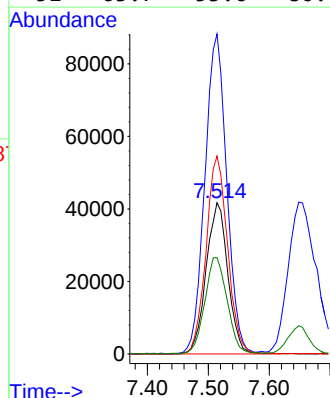
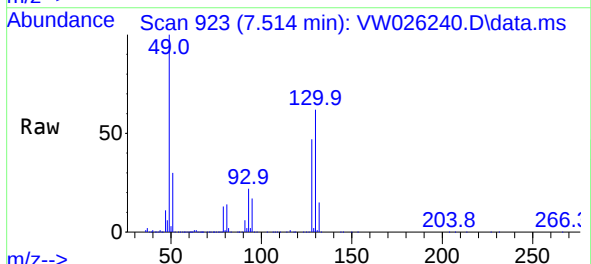
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

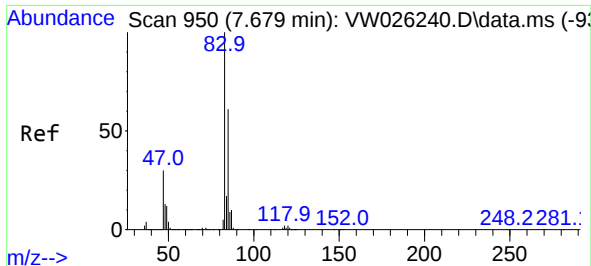
Tgt Ion: 43 Resp: 184864  
Ion Ratio Lower Upper  
43 100  
72 24.0 12.4 37.4



#23  
Bromochloromethane  
Concen: 24.419 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 128 Resp: 103360  
Ion Ratio Lower Upper  
128 100  
49 211.6 140.6 261.0  
130 130.8 86.0 159.6  
51 63.7 53.6 80.4

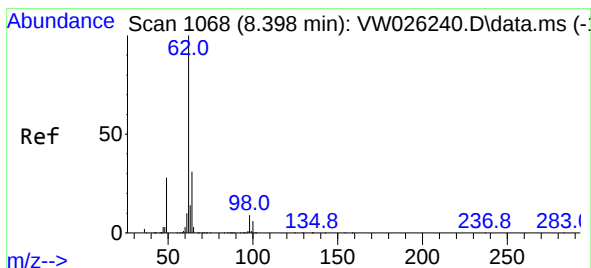
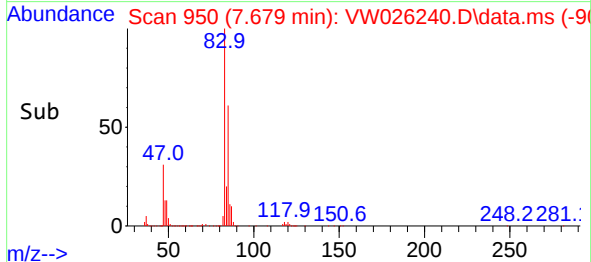
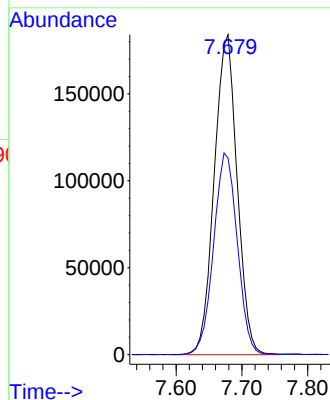
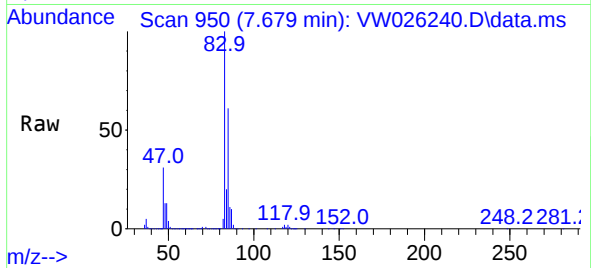




#25  
Chloroform  
Concen: 25.157 ug/L  
RT: 7.679 min Scan# 950  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

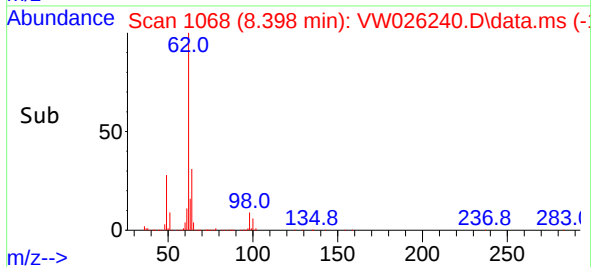
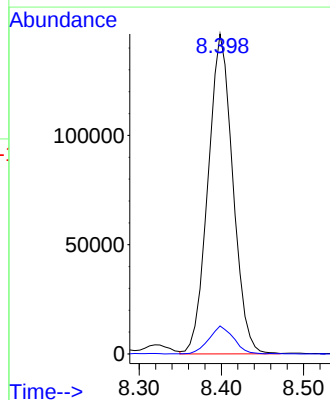
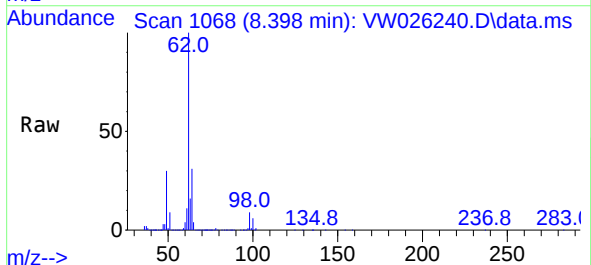
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

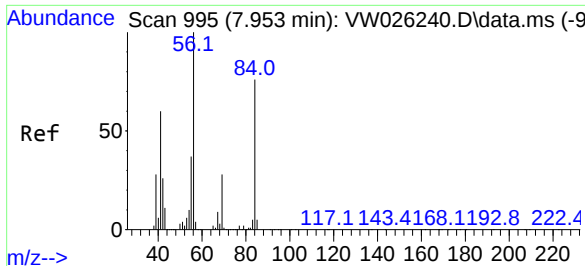
Tgt Ion: 83 Resp: 446971  
Ion Ratio Lower Upper  
83 100  
85 61.4 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 25.055 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 62 Resp: 307020  
Ion Ratio Lower Upper  
62 100  
98 8.7 7.4 11.2

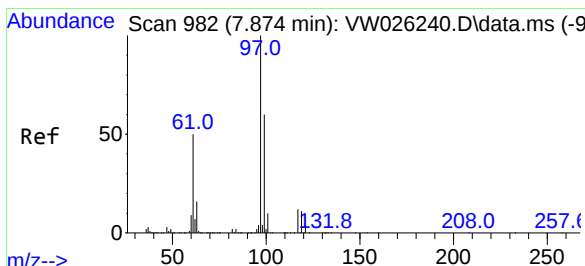
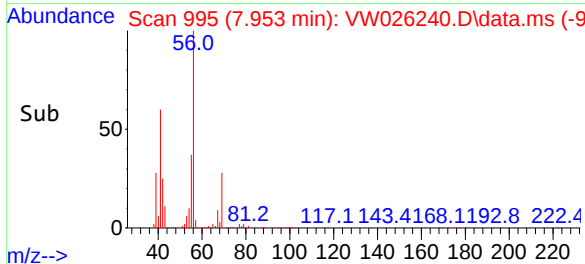
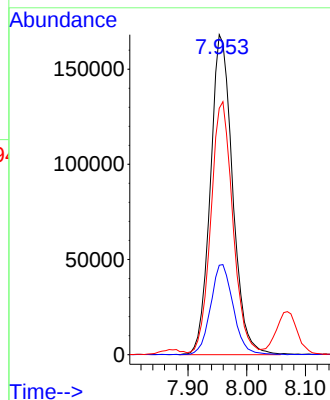
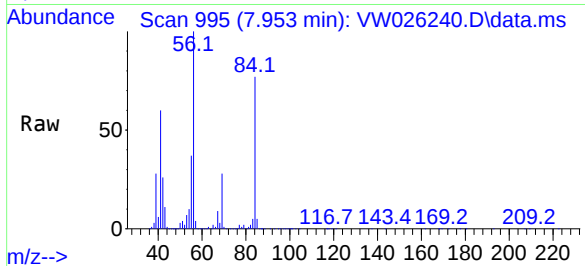




#29  
Cyclohexane  
Concen: 24.418 ug/L  
RT: 7.953 min Scan# 995  
Delta R.T. -0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

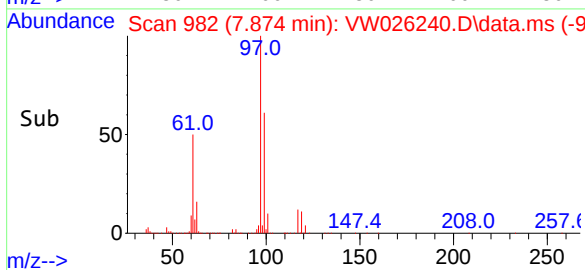
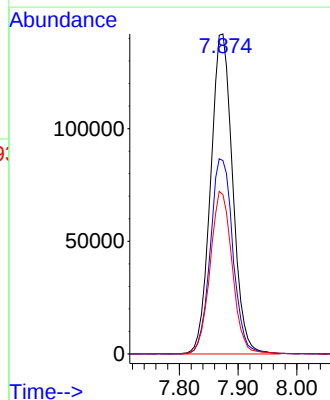
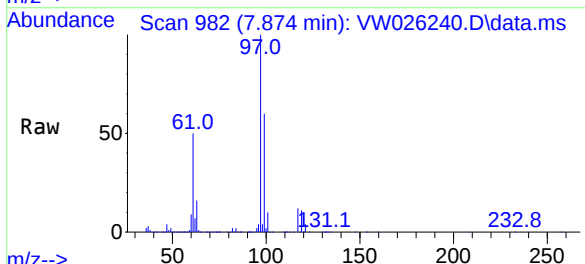
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

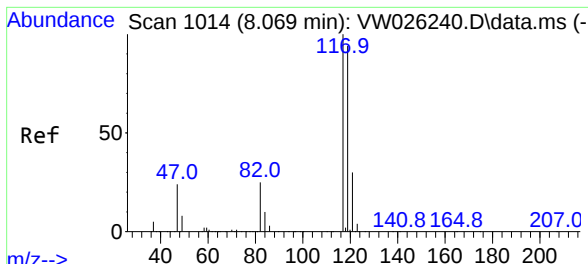
Tgt Ion: 56 Resp: 442436  
Ion Ratio Lower Upper  
56 100  
69 28.6 23.3 34.9  
84 78.4 63.0 94.6



#30  
1,1,1-Trichloroethane  
Concen: 26.003 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 97 Resp: 370345  
Ion Ratio Lower Upper  
97 100  
99 62.7 50.6 76.0  
61 50.8 40.5 60.7

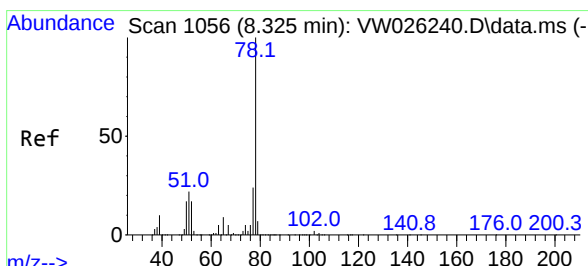
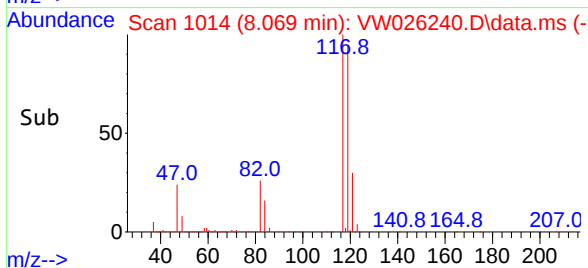
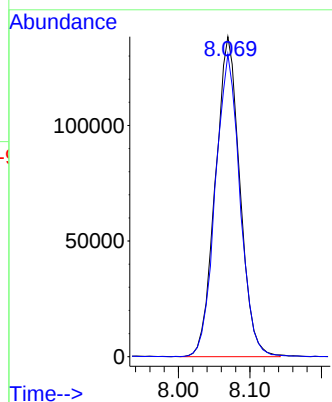
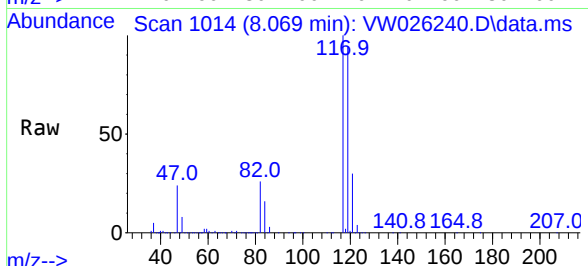




#31  
Carbon tetrachloride  
Concen: 25.362 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

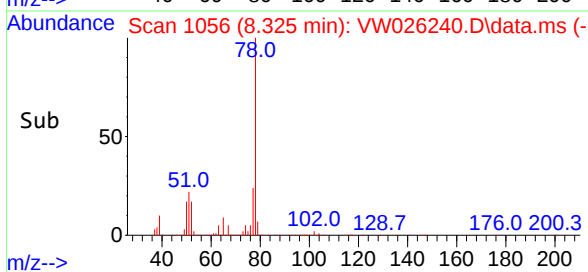
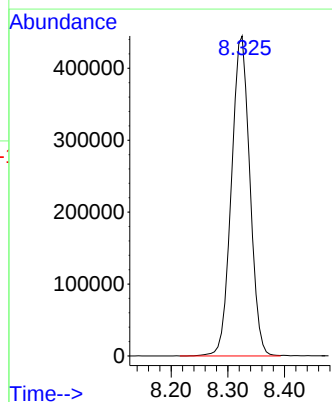
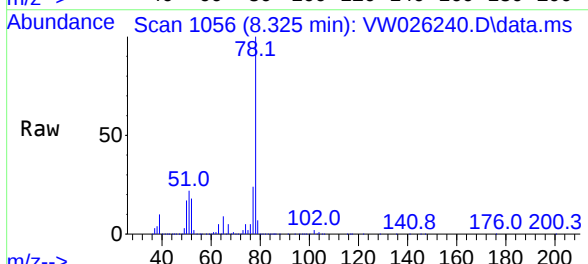
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

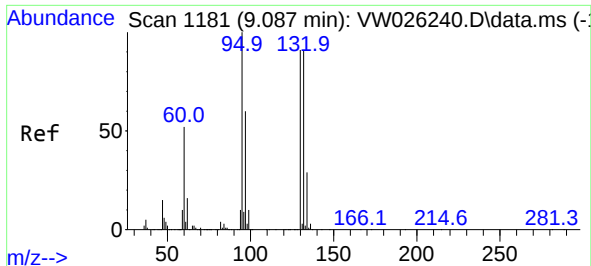
Tgt Ion:117 Resp: 329626  
Ion Ratio Lower Upper  
117 100  
119 94.8 77.4 116.2



#33  
Benzene  
Concen: 24.967 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 78 Resp: 1003782



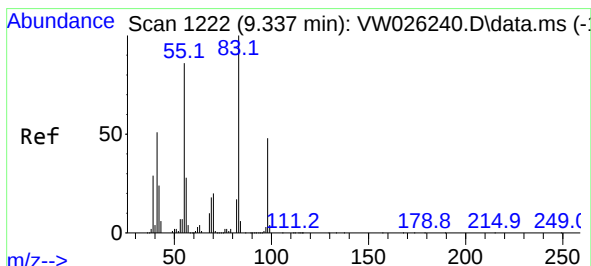
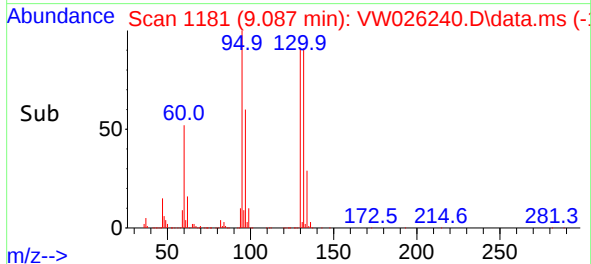
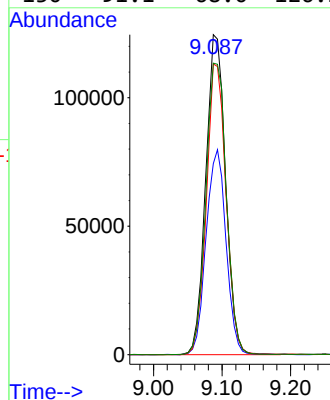
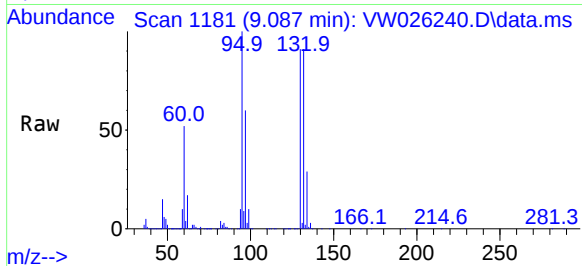


#34  
Trichloroethene  
Concen: 24.384 ug/L  
RT: 9.087 min Scan# 1181  
Delta R.T. -0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

Tgt Ion: 95 Resp: 251027

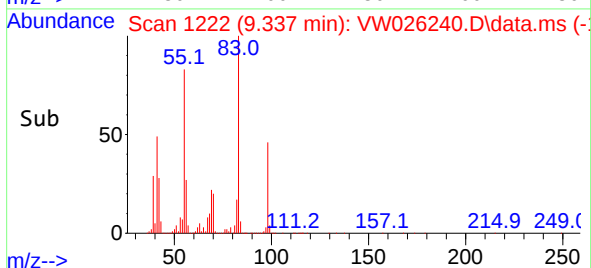
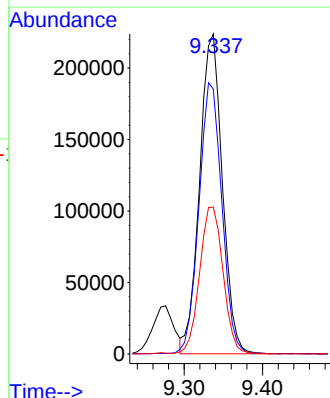
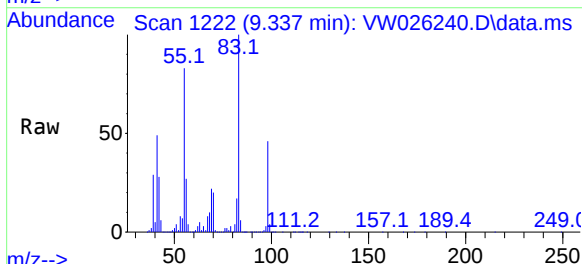
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 59.7  | 45.9  | 85.3  |
| 132 | 90.9  | 67.1  | 124.7 |
| 130 | 91.1  | 68.0  | 126.2 |

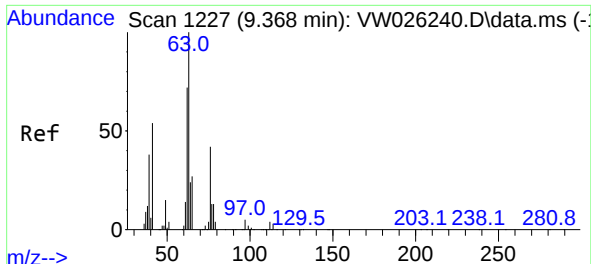


#35  
Methylcyclohexane  
Concen: 24.776 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 83 Resp: 451333

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 85.6  | 68.2  | 102.4 |
| 98  | 47.5  | 38.1  | 57.1  |

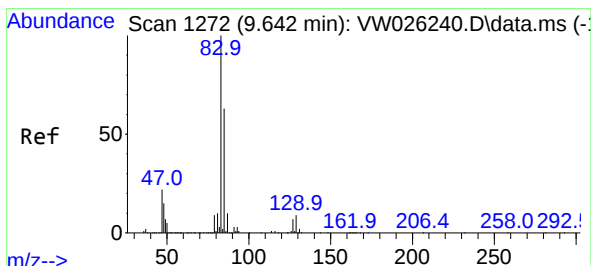
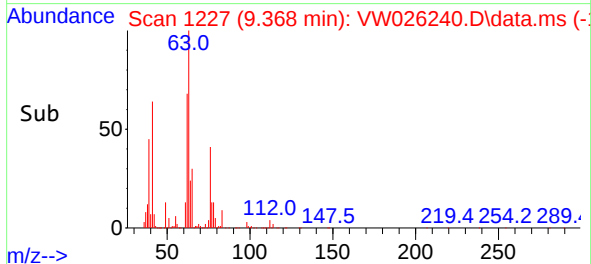
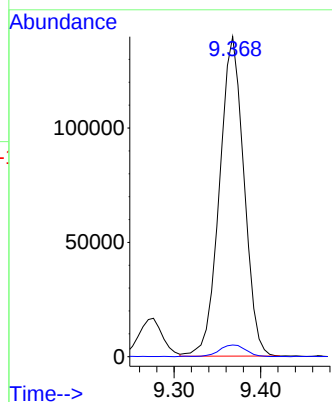
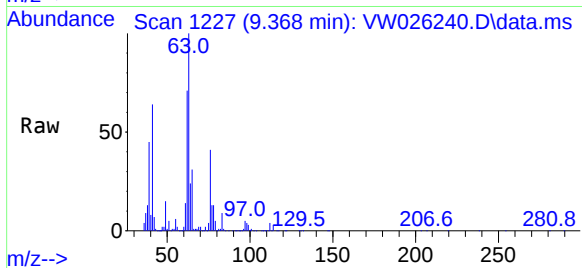




#37  
1,2-Dichloropropane  
Concen: 25.180 ug/L  
RT: 9.368 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

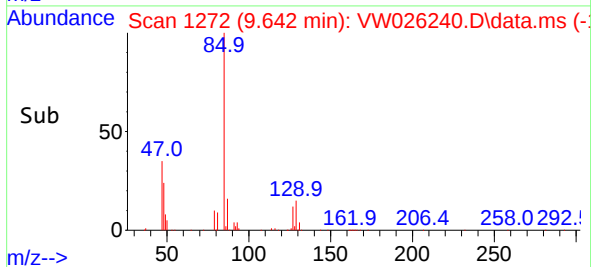
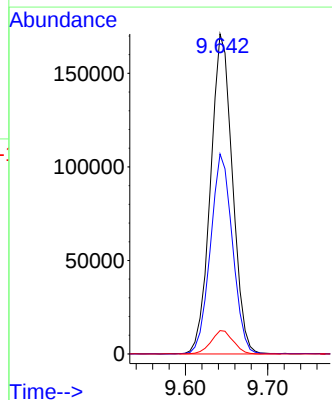
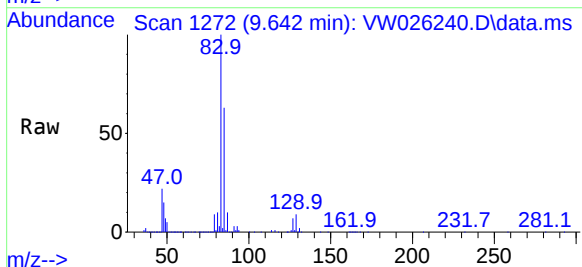
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

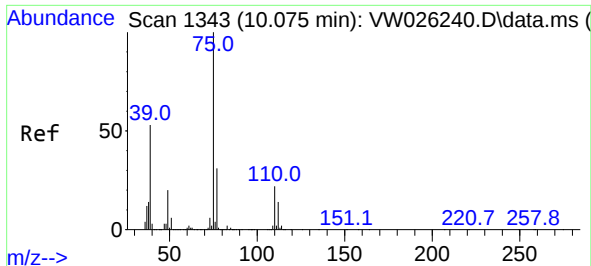
Tgt Ion: 63 Resp: 274191  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.3 4.9



#38  
Bromodichloromethane  
Concen: 25.034 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 83 Resp: 316710  
Ion Ratio Lower Upper  
83 100  
85 62.5 44.2 82.0  
127 7.3 6.2 9.2

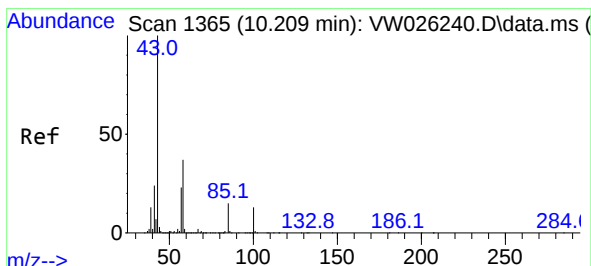
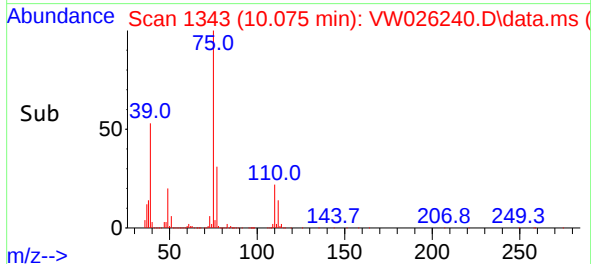
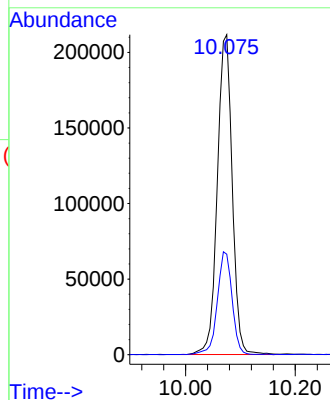
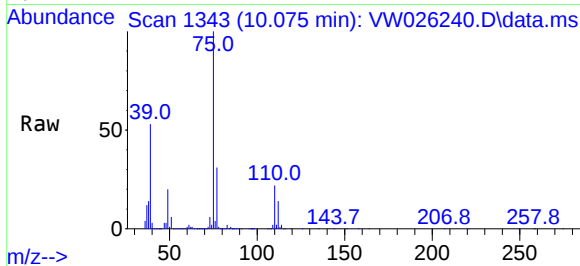




#39  
cis-1,3-Dichloropropene  
Concen: 24.977 ug/L  
RT: 10.075 min Scan# 1343  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

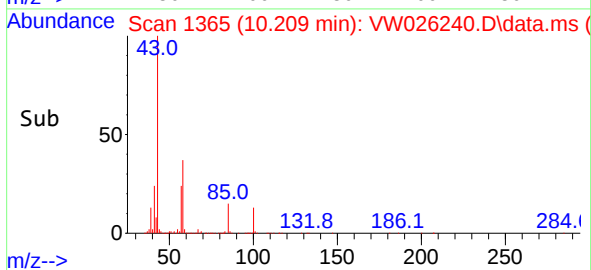
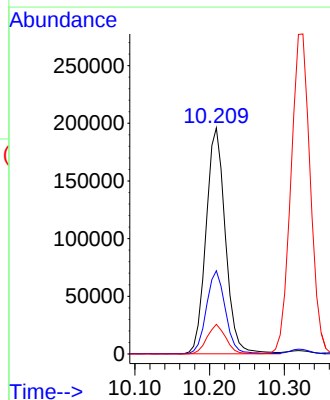
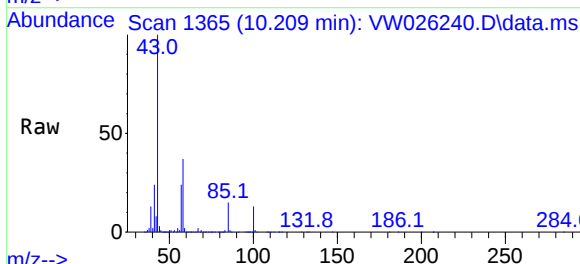
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

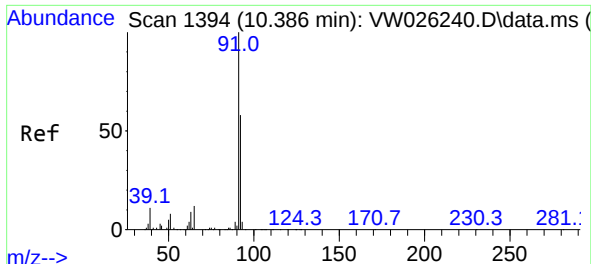
Tgt Ion: 75 Resp: 399686  
Ion Ratio Lower Upper  
75 100  
77 31.4 22.0 40.8



#40  
4-Methyl-2-pentanone  
Concen: 54.881 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 43 Resp: 352335  
Ion Ratio Lower Upper  
43 100  
58 36.3 29.0 43.4  
100 12.8 10.5 15.7





#42

Toluene

Concen: 25.260 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW026240.D

Acq: 19 Jun 2023 10:30

Instrument :

MSVOA\_W

ClientSampleId :

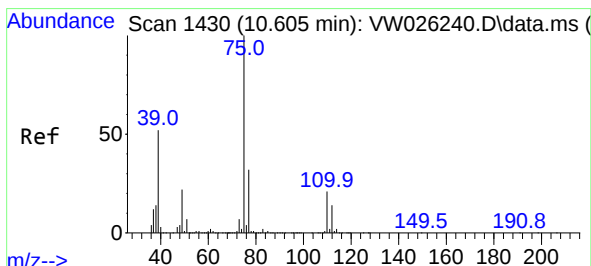
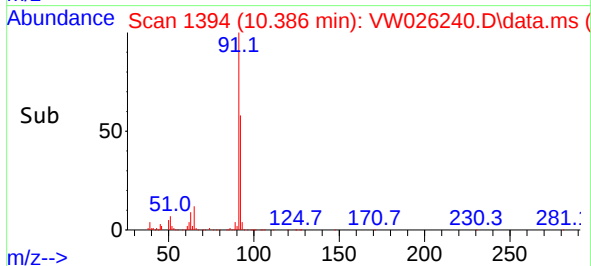
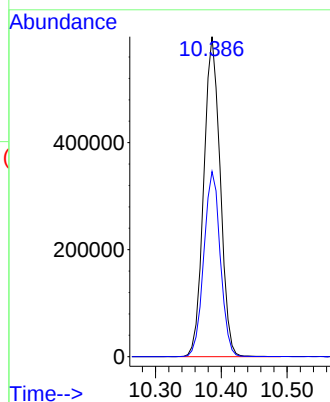
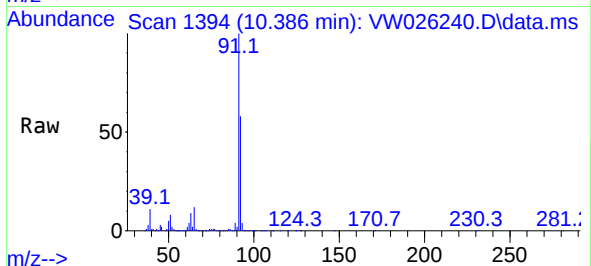
VSTD025523

Tgt Ion: 91 Resp: 1038733

Ion Ratio Lower Upper

91 100

92 57.8 42.2 78.4



#44

trans-1,3-Dichloropropene

Concen: 25.133 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW026240.D

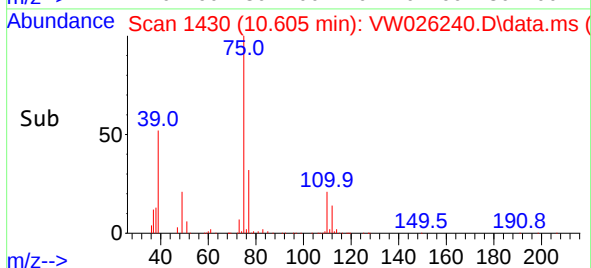
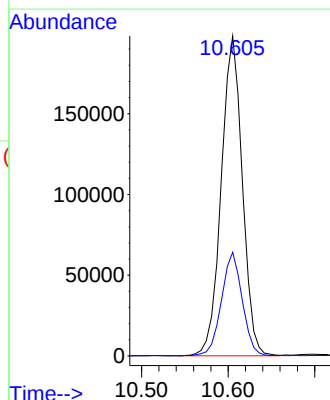
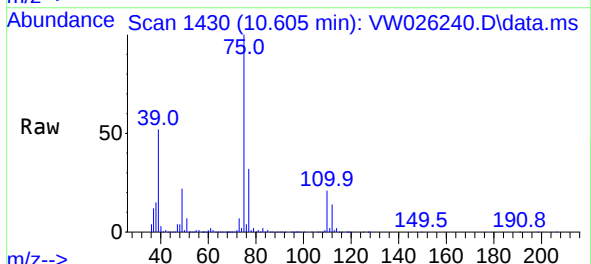
Acq: 19 Jun 2023 10:30

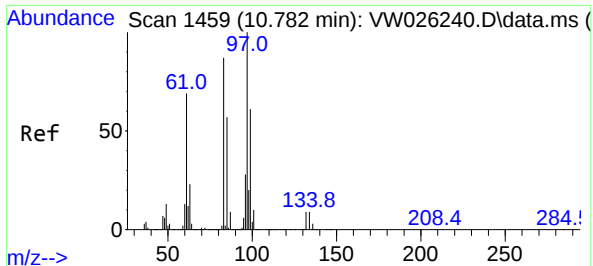
Tgt Ion: 75 Resp: 335060

Ion Ratio Lower Upper

75 100

77 32.4 21.1 39.3



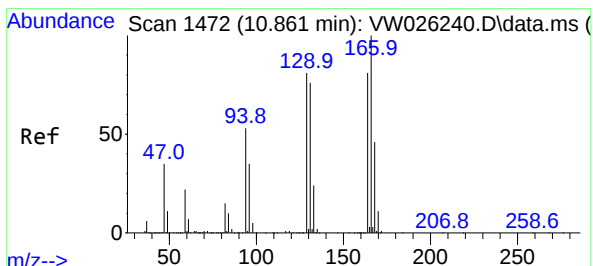
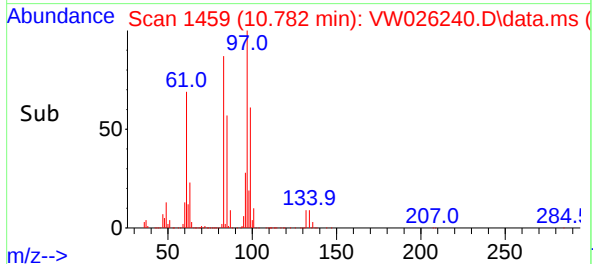
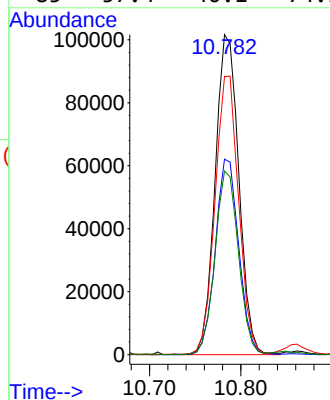
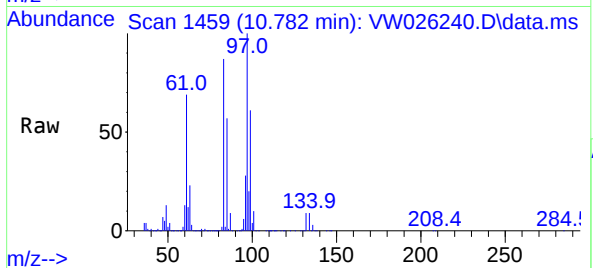


#45  
1,1,2-Trichloroethane  
Concen: 25.559 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

Tgt Ion: 97 Resp: 183430

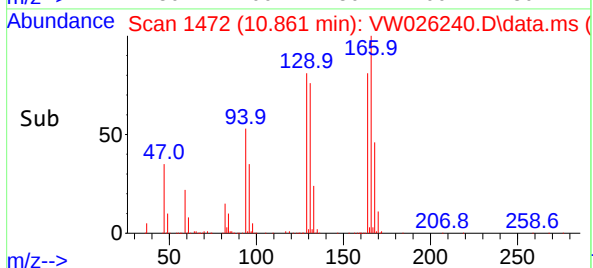
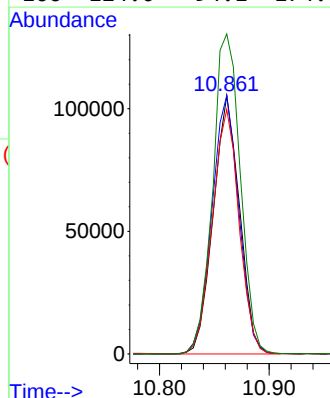
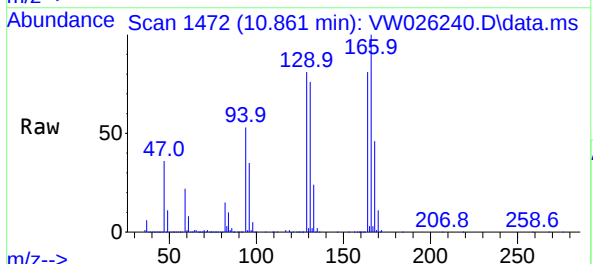
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.1  | 43.3  | 80.5  |
| 83  | 86.9  | 62.9  | 116.9 |
| 85  | 57.4  | 40.1  | 74.5  |

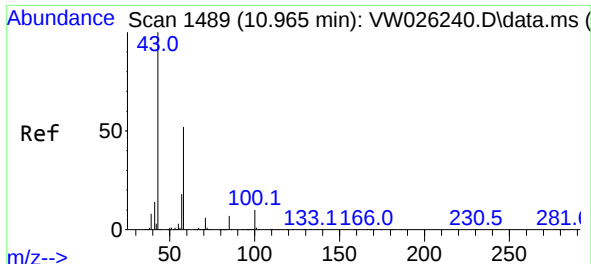


#46  
Tetrachloroethene  
Concen: 24.077 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 164 Resp: 175316

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.2 | 68.5  | 127.1 |
| 131 | 94.7  | 67.1  | 124.7 |
| 166 | 124.0 | 94.1  | 174.8 |



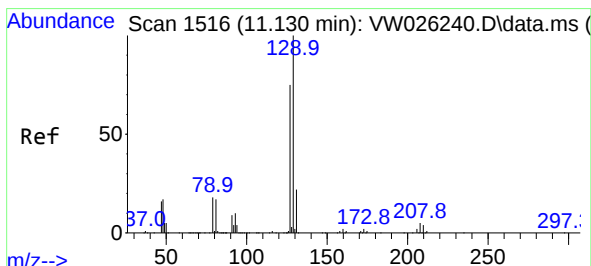
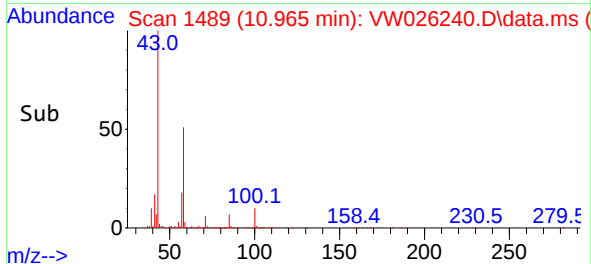
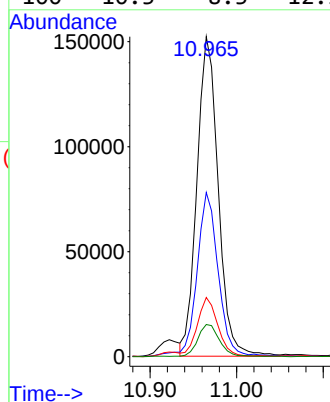
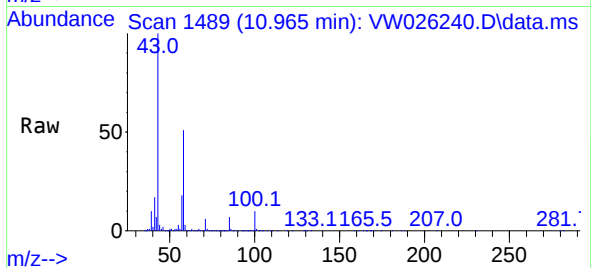


#48  
2-Hexanone  
Concen: 57.565 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

Tgt Ion: 43 Resp: 260583

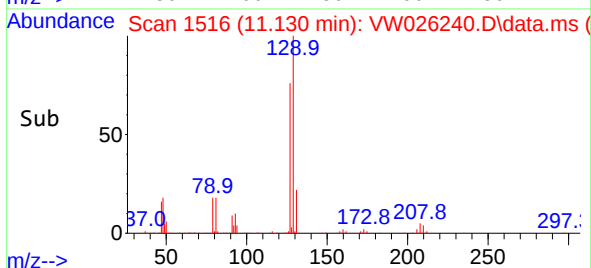
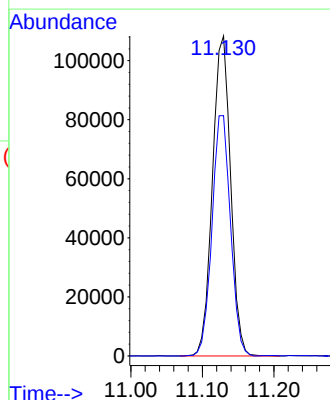
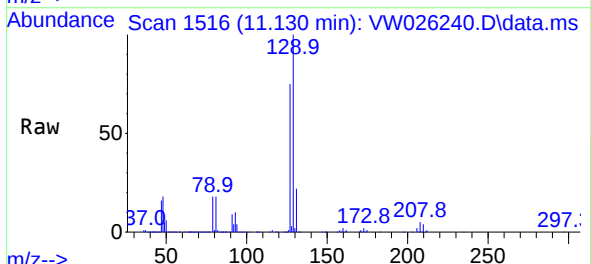
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 48.2  | 42.2  | 63.2  |
| 57  | 17.7  | 14.2  | 21.2  |
| 100 | 10.3  | 8.3   | 12.5  |

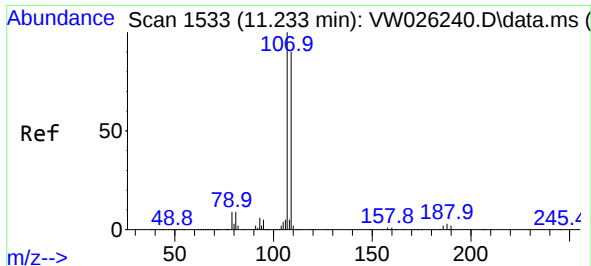


#49  
Dibromochloromethane  
Concen: 25.355 ug/L  
RT: 11.130 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 129 Resp: 190784

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.1  | 56.9  | 105.7 |

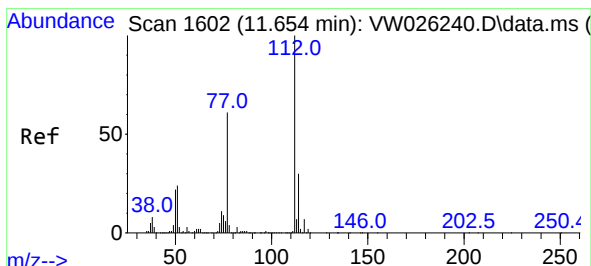
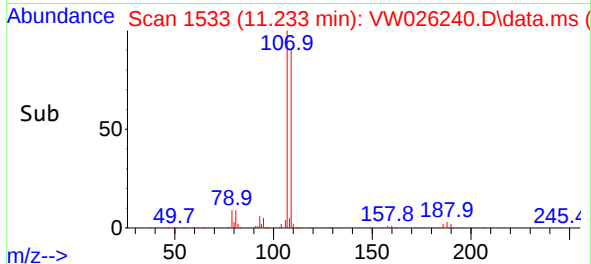
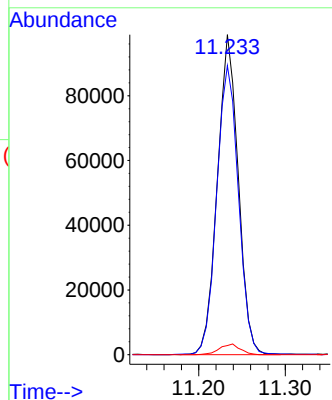
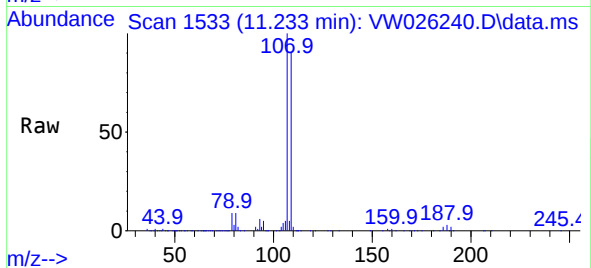




#50  
1,2-Dibromoethane  
Concen: 24.866 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

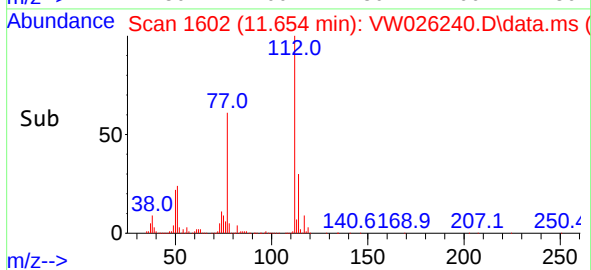
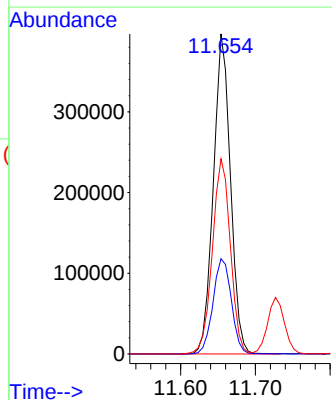
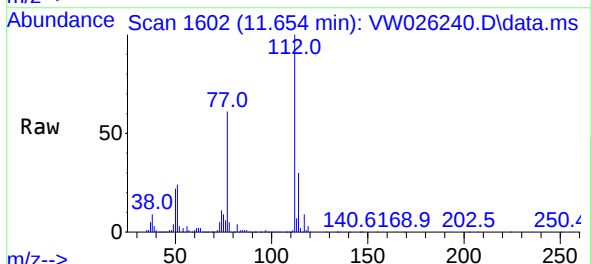
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

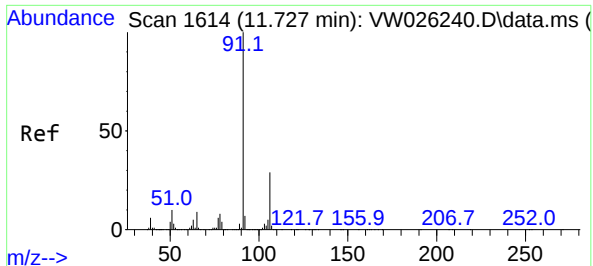
Tgt Ion:107 Resp: 165237  
Ion Ratio Lower Upper  
107 100  
109 90.3 64.0 119.0  
188 2.8 2.6 3.8



#51  
Chlorobenzene  
Concen: 24.506 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion:112 Resp: 631482  
Ion Ratio Lower Upper  
112 100  
114 29.8 23.0 42.6  
77 61.0 50.9 76.3





#52

Ethylbenzene

Concen: 25.622 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026240.D

Acq: 19 Jun 2023 10:30

Instrument :

MSVOA\_W

ClientSampleId :

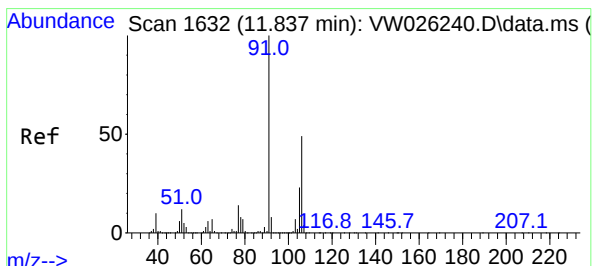
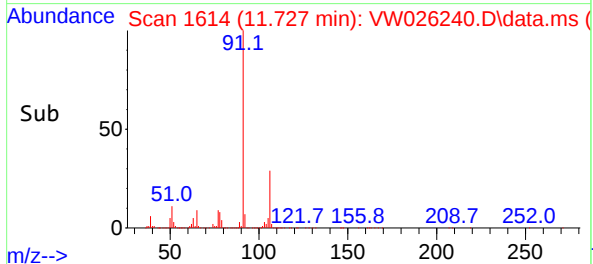
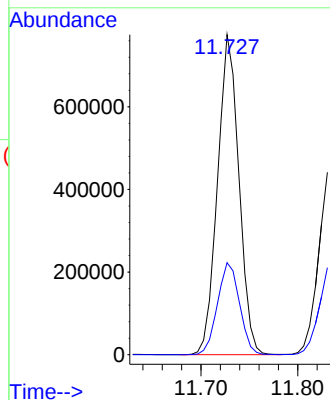
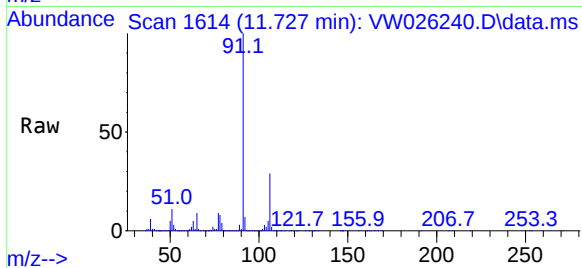
VSTD025523

Tgt Ion: 91 Resp: 1188513

Ion Ratio Lower Upper

91 100

106 28.7 21.2 39.4



#53

m,p-Xylene

Concen: 25.117 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW026240.D

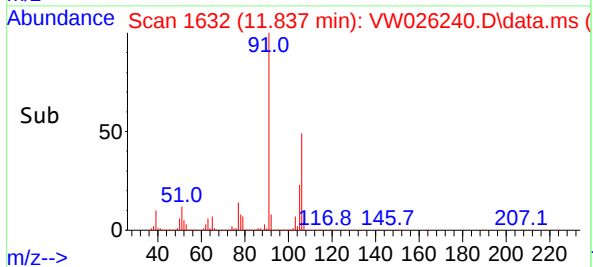
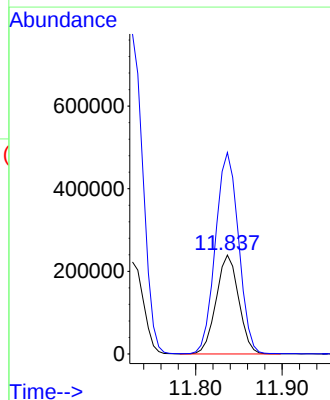
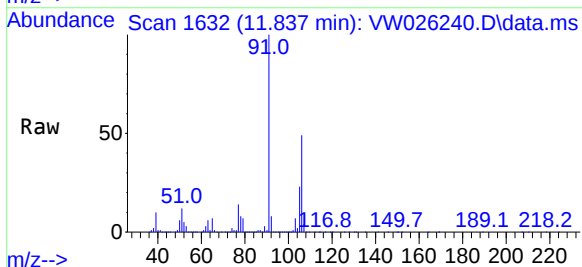
Acq: 19 Jun 2023 10:30

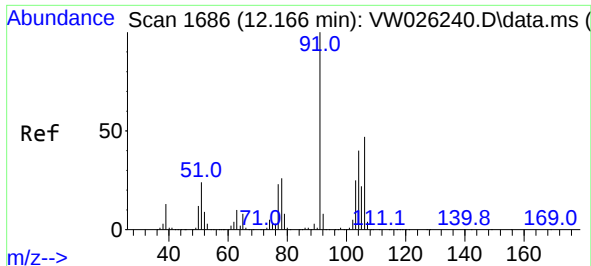
Tgt Ion:106 Resp: 433435

Ion Ratio Lower Upper

106 100

91 203.8 149.5 277.7

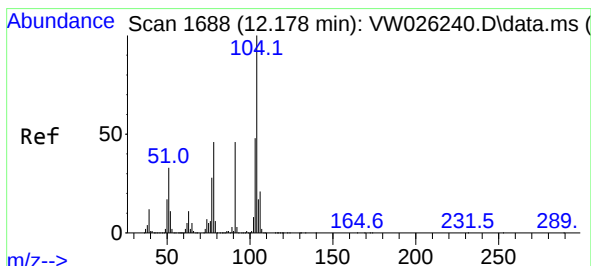
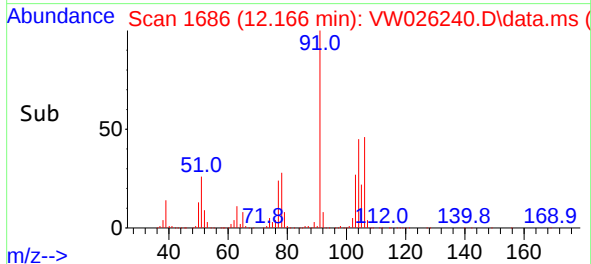
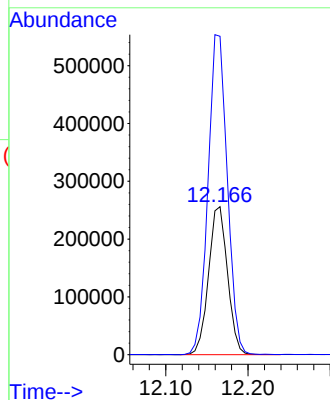
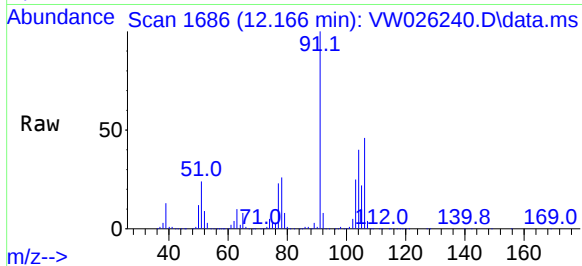




#54  
o-Xylene  
Concen: 25.171 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

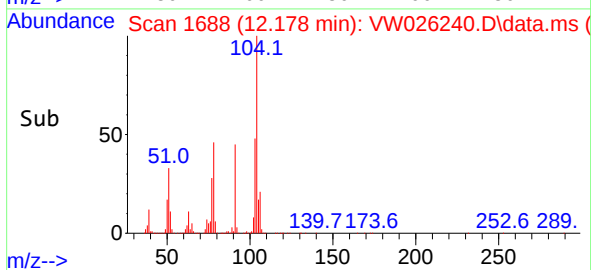
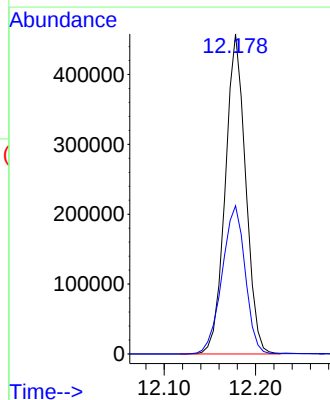
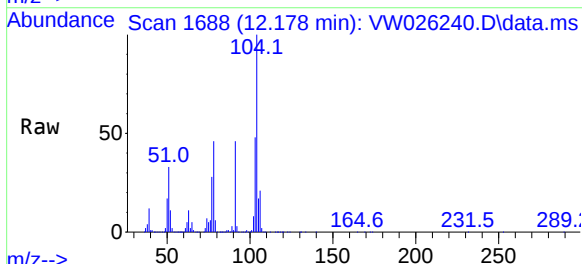
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

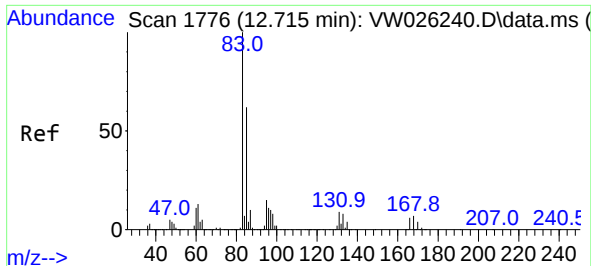
Tgt Ion:106 Resp: 409972  
Ion Ratio Lower Upper  
106 100  
91 215.1 150.9 280.3



#55  
Styrene  
Concen: 25.432 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion:104 Resp: 710624  
Ion Ratio Lower Upper  
104 100  
78 46.3 32.6 60.6

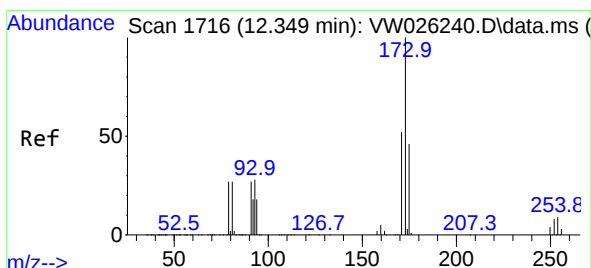
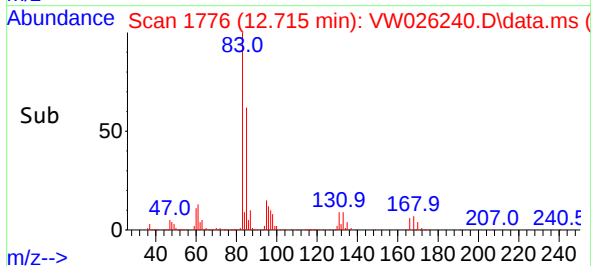
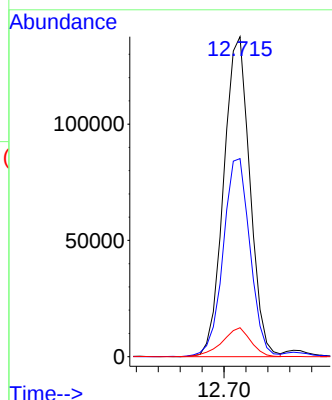
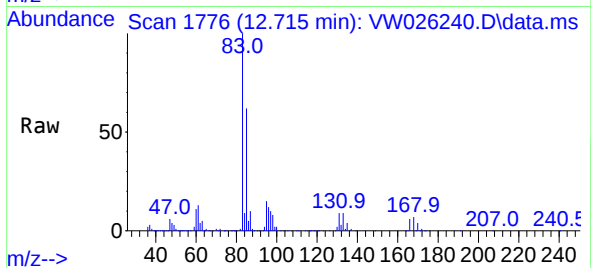




#57  
1,1,2-Tetrachloroethane  
Concen: 26.282 ug/L  
RT: 12.715 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

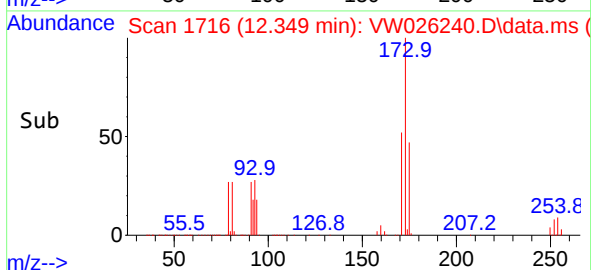
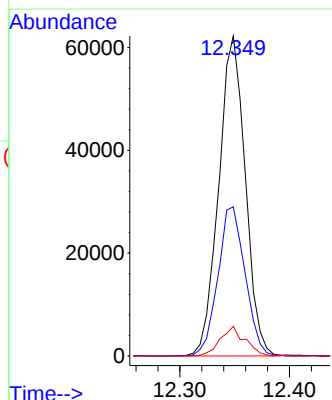
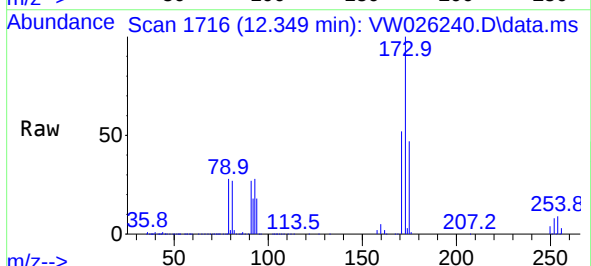
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

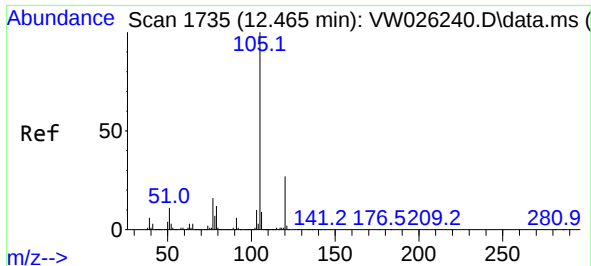
Tgt Ion: 83 Resp: 228266  
Ion Ratio Lower Upper  
83 100  
85 61.9 42.6 79.0  
131 9.1 7.2 10.8



#59  
Bromoform  
Concen: 23.741 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 173 Resp: 104779  
Ion Ratio Lower Upper  
173 100  
175 47.8 38.6 57.8  
254 8.6 7.4 11.0

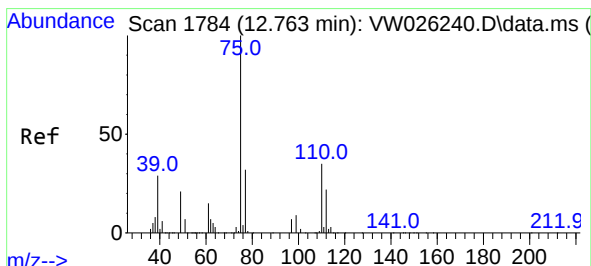
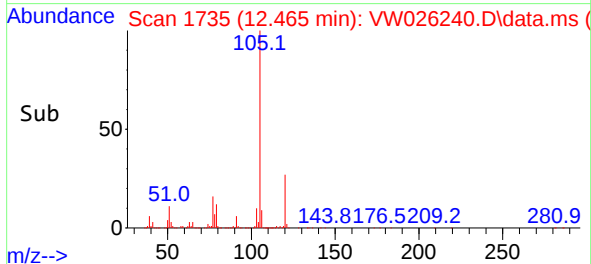
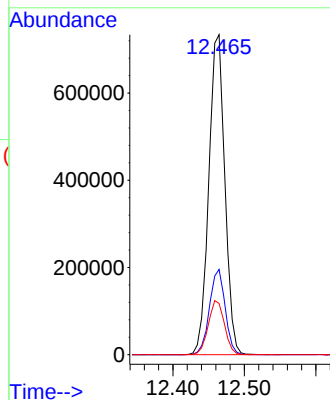
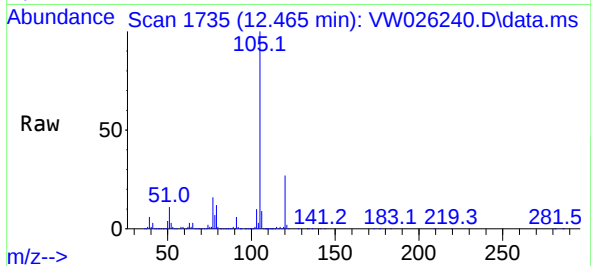




#60  
Isopropylbenzene  
Concen: 24.747 ug/L  
RT: 12.465 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

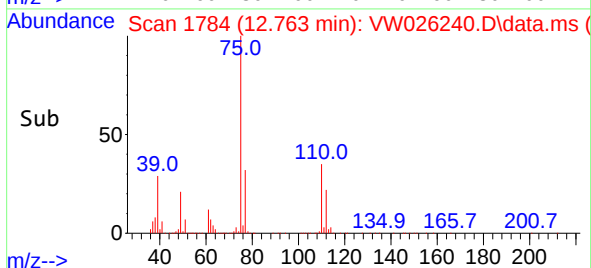
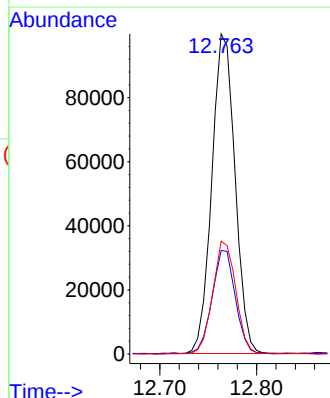
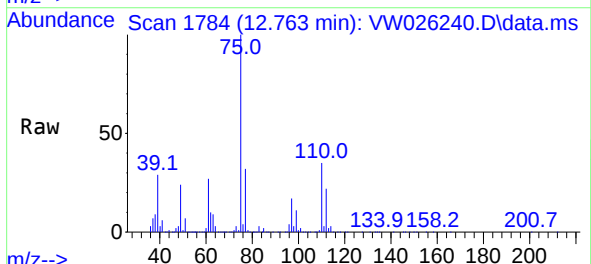
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

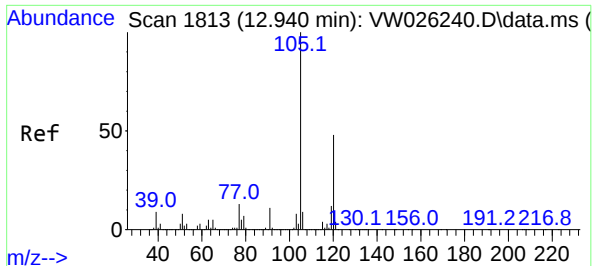
Tgt Ion:105 Resp: 1142324  
Ion Ratio Lower Upper  
105 100  
120 26.1 19.8 29.8  
77 17.1 13.3 19.9



#61  
1,2,3-Trichloropropane  
Concen: 25.264 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion: 75 Resp: 166290  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.2 37.8  
110 35.1 28.7 43.1

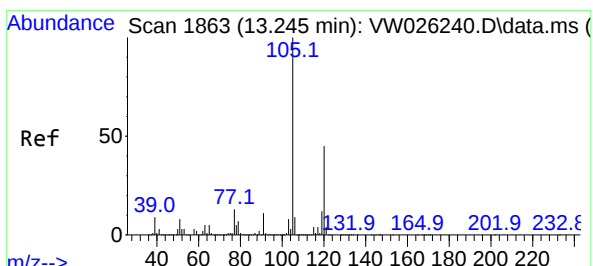
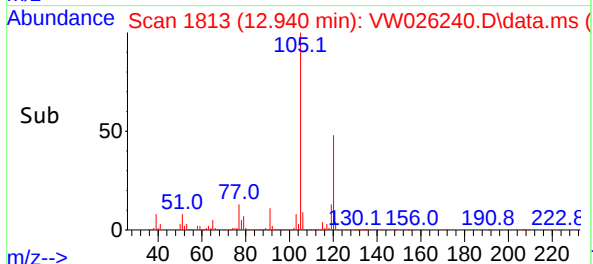
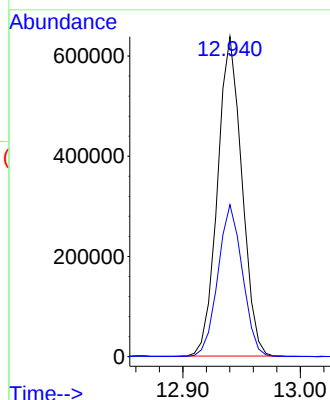
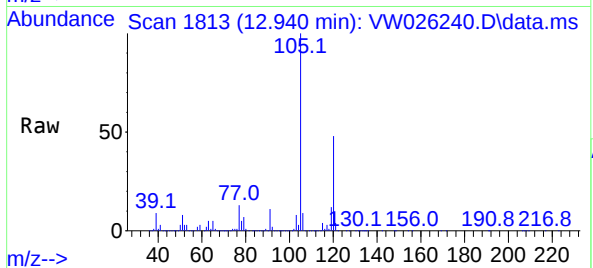




#62  
1,3,5-Trimethylbenzene  
Concen: 25.043 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

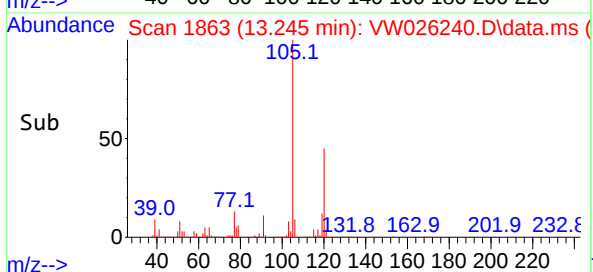
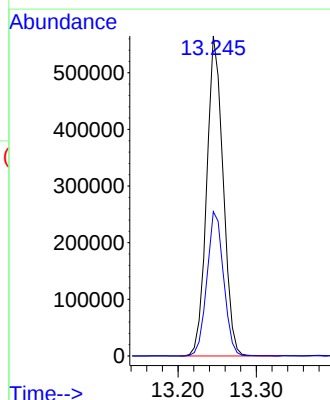
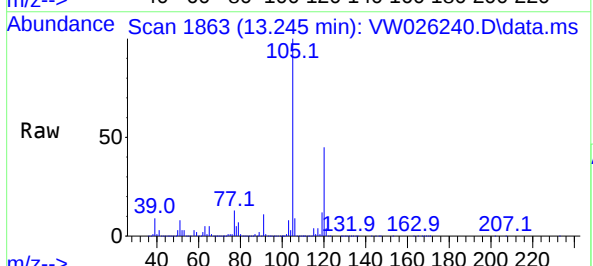
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

Tgt Ion:105 Resp: 918980  
Ion Ratio Lower Upper  
105 100  
120 48.0 38.8 58.2

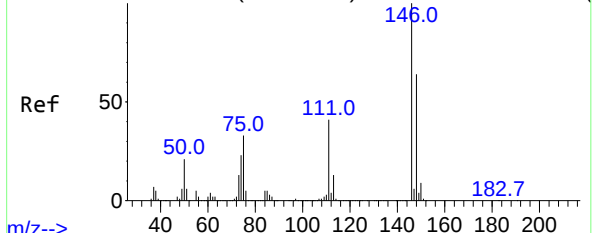


#63  
1,2,4-Trimethylbenzene  
Concen: 24.401 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion:105 Resp: 820119  
Ion Ratio Lower Upper  
105 100  
120 45.7 36.2 54.2

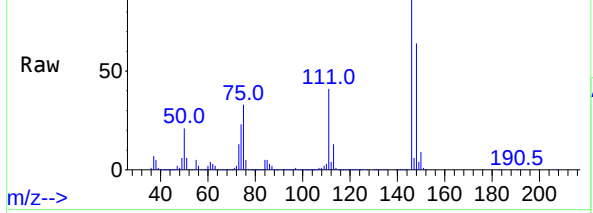


Abundance Scan 1904 (13.495 min): VW026240.D\data.ms (



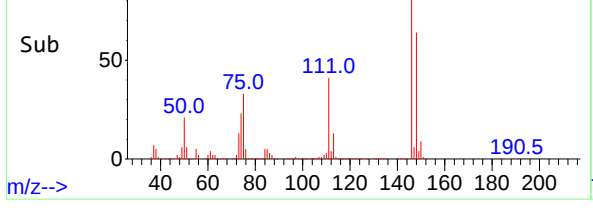
m/z-->

Abundance Scan 1904 (13.495 min): VW026240.D\data.ms



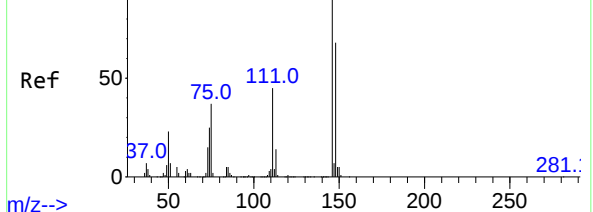
m/z-->

Abundance Scan 1904 (13.495 min): VW026240.D\data.ms (



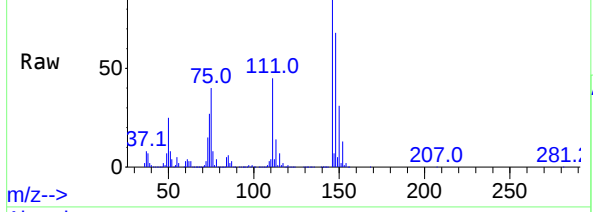
m/z-->

Abundance Scan 1917 (13.574 min): VW026240.D\data.ms (



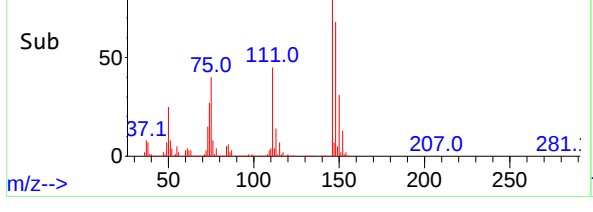
m/z-->

Abundance Scan 1917 (13.574 min): VW026240.D\data.ms



m/z-->

Abundance Scan 1917 (13.574 min): VW026240.D\data.ms (



m/z-->

#64

1,3-Dichlorobenzene

Concen: 23.771 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026240.D

Acq: 19 Jun 2023 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025523

Tgt Ion:146 Resp: 461363

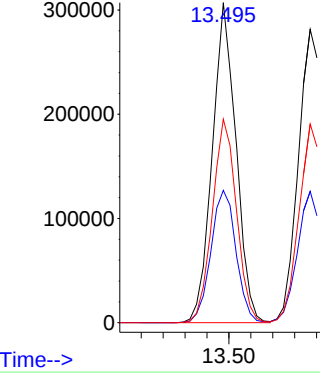
Ion Ratio Lower Upper

146 100

111 41.4 29.7 55.1

148 63.6 45.4 84.4

Abundance



Time-->

#65

1,4-Dichlorobenzene

Concen: 23.574 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026240.D

Acq: 19 Jun 2023 10:30

Tgt Ion:146 Resp: 460651

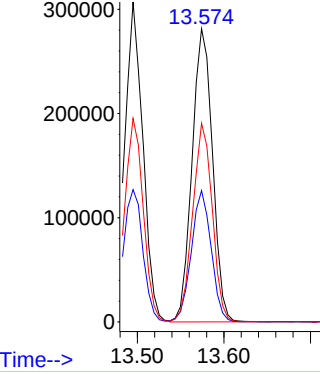
Ion Ratio Lower Upper

146 100

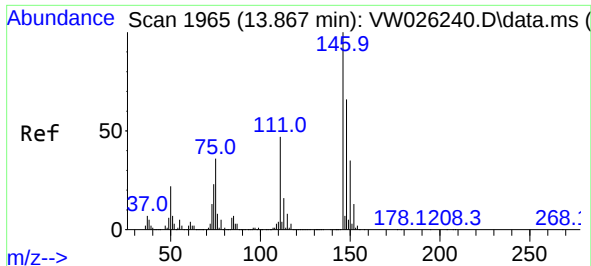
111 44.8 29.2 54.2

148 67.8 42.8 79.6

Abundance



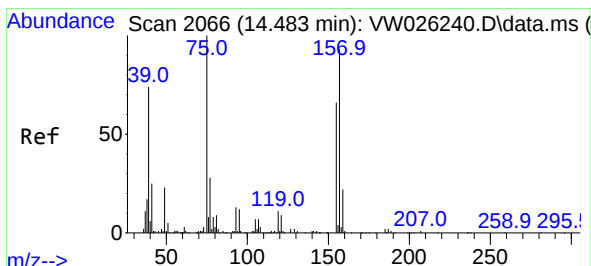
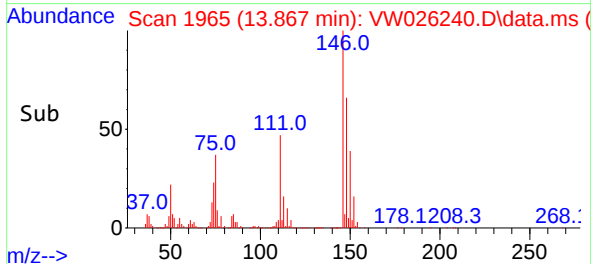
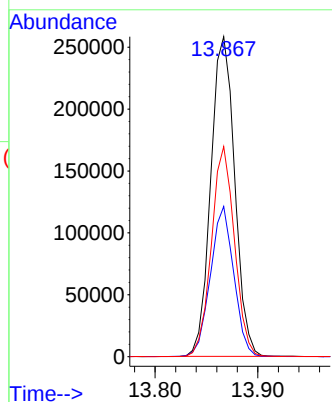
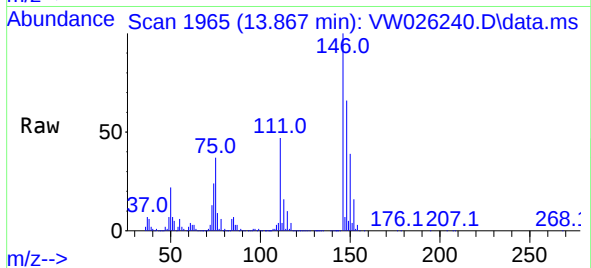
Time-->



#67  
1,2-Dichlorobenzene  
Concen: 23.898 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

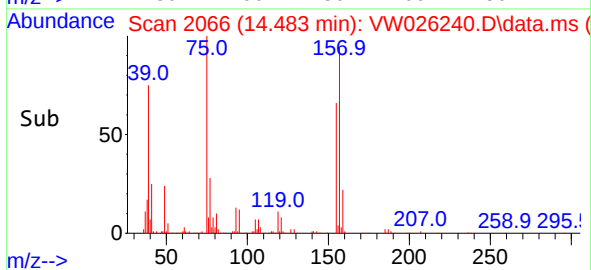
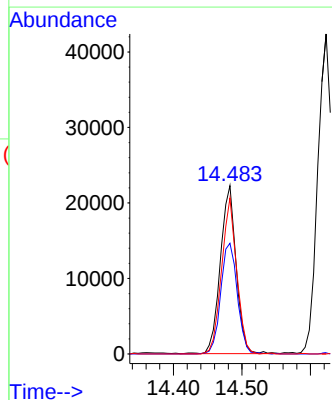
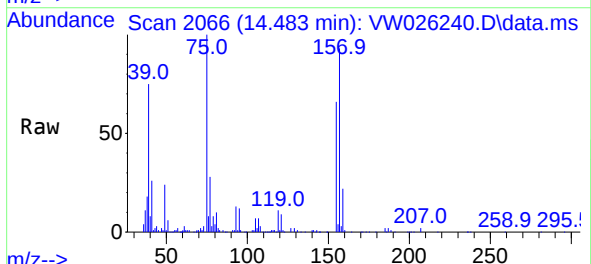
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

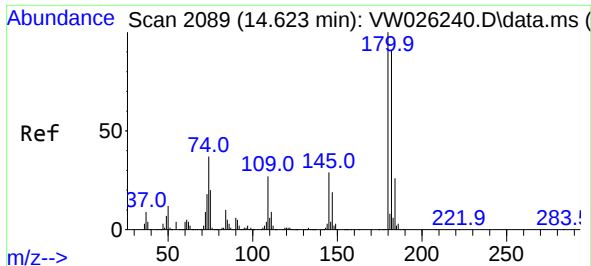
Tgt Ion:146 Resp: 416511  
Ion Ratio Lower Upper  
146 100  
111 47.0 35.4 53.0  
148 65.6 51.7 77.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 23.269 ug/L  
RT: 14.483 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

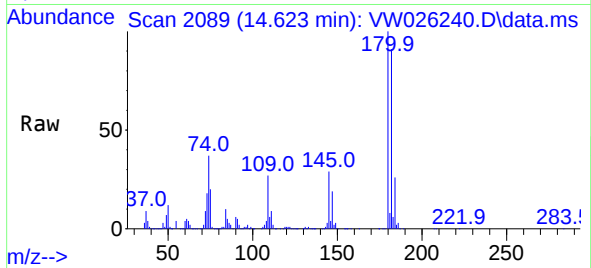
Tgt Ion: 75 Resp: 35484  
Ion Ratio Lower Upper  
75 100  
155 65.8 59.0 88.6  
157 92.7 71.7 107.5



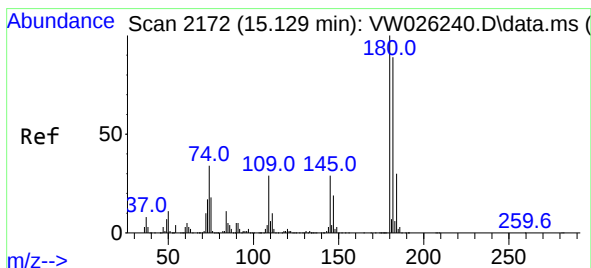
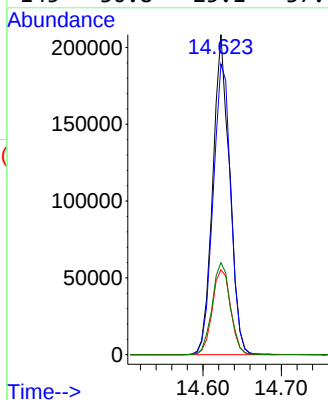
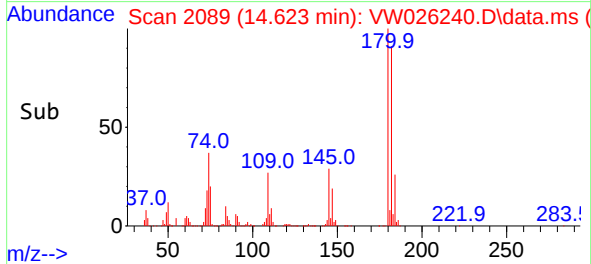


#69  
1,3,5-Trichlorobenzene  
Concen: 23.347 ug/L  
RT: 14.623 min Scan# 2089  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

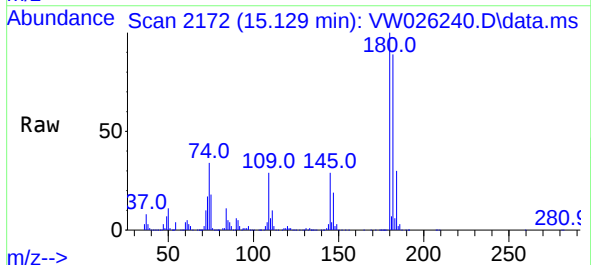
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523



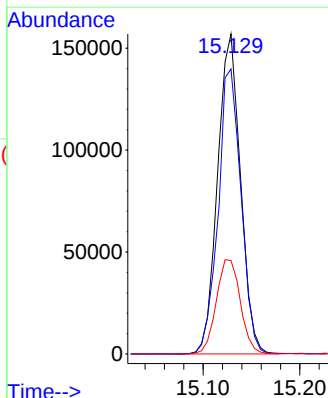
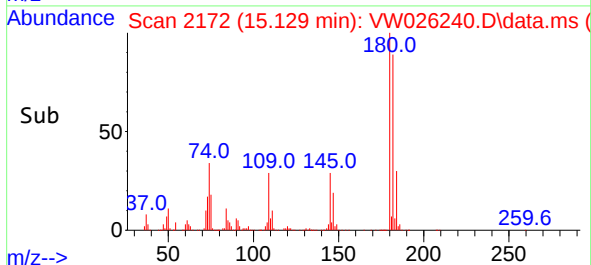
Tgt Ion:180 Resp: 311268  
Ion Ratio Lower Upper  
180 100  
182 95.6 77.0 115.4  
184 28.8 23.7 35.5  
145 30.8 25.1 37.7

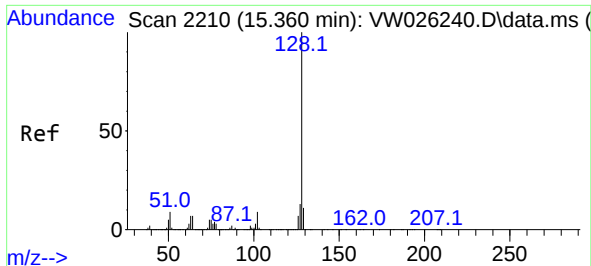


#70  
1,2,4-trichlorobenzene  
Concen: 23.424 ug/L  
RT: 15.129 min Scan# 2172  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30



Tgt Ion:180 Resp: 257695  
Ion Ratio Lower Upper  
180 100  
182 89.2 78.9 118.3  
145 31.1 27.2 40.8

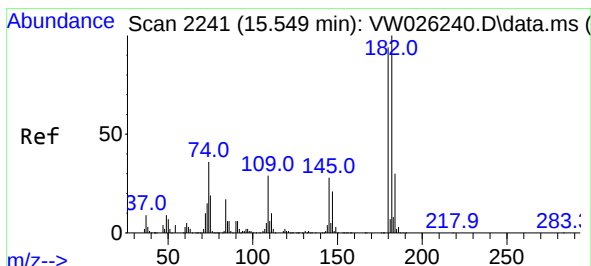
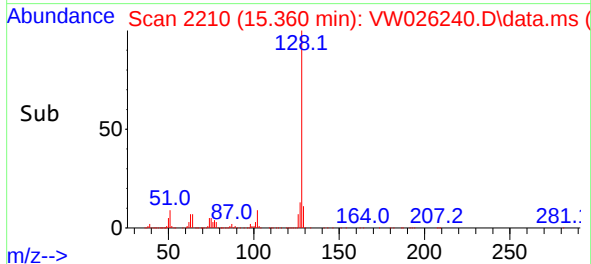
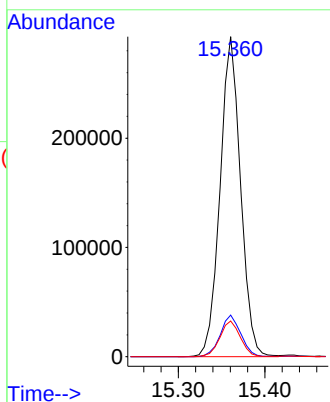
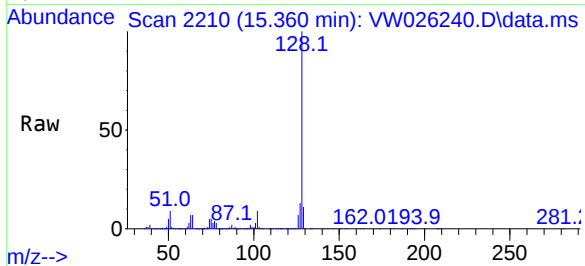




#71  
Naphthalene  
Concen: 24.522 ug/L  
RT: 15.360 min Scan# 2111  
Delta R.T. 0.000 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025523

Tgt Ion:128 Resp: 480813  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.6 15.8  
129 11.2 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 23.329 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. 0.006 min  
Lab File: VW026240.D  
Acq: 19 Jun 2023 10:30

Tgt Ion:180 Resp: 224295  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.3 114.5  
145 33.5 27.0 40.6

