

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032023\  
 Data File : VW025432.D  
 Acq On : 20 Mar 2023 10:51  
 Operator : SY/MD  
 Sample : 01977-16MS  
 Misc : 8.34g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EYGA2MS

Quant Time: Mar 20 23:50:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Mar 20 23:49:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 754197   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 625855   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.555 | 152   | 238766   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.368  | 65    | 240194   | 19.154   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.600%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 196512   | 21.779   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.120%   |
| 11) 1,1-Dichloroethene-d2     | 4.033  | 63    | 512954   | 21.179   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 84.720%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 243678   | 79.166   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 158.340%# |
| 24) Chloroform-d              | 7.648  | 84    | 536689   | 24.684   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.720%   |
| 26) 1,2-Dichloroethane-d4     | 8.306  | 65    | 325989   | 27.934   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 111.720%  |
| 32) Benzene-d6                | 8.276  | 84    | 1074243  | 25.120   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 100.480%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 357153   | 26.997   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 108.000%  |
| 41) Toluene-d8                | 10.324 | 98    | 914956   | 24.267   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.080%   |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 135183   | 25.661   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 102.640%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 158844   | 83.498   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 167.000%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 333008   | 34.358   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 137.440%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 238675   | 26.881   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 107.520%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 166070   | 19.268   | ug/L # | 87        |
| 3) Chloromethane              | 2.228  | 50    | 240503   | 23.462   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.381  | 62    | 272382   | 23.519   | ug/L   | 96        |
| 6) Bromomethane               | 2.789  | 94    | 144504   | 23.404   | ug/L   | 98        |
| 8) Chloroethane               | 2.935  | 64    | 158544   | 23.819   | ug/L   | 96        |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 205021   | 20.453   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.075  | 101   | 234785   | 24.153   | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 214485   | 22.805   | ug/L   | 95        |
| 13) Acetone                   | 4.124  | 43    | 178665   | 60.381   | ug/L   | 98        |
| 14) Carbon disulfide          | 4.392  | 76    | 640574   | 21.906   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.673  | 43    | 181968   | 32.781   | ug/L   | 98        |
| 16) Methylene chloride        | 4.923  | 84    | 258469   | 24.612   | ug/L   | 95        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 227866   | 23.112   | ug/L   | 95        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 467845   | 31.520   | ug/L   | 95        |
| 19) 1,1-Dichloroethane        | 6.221  | 63    | 507112   | 24.838   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.172  | 96    | 259324   | 24.024   | ug/L # | 91        |
| 22) 2-Butanone                | 7.172  | 43    | 245778   | 64.210   | ug/L   | 100       |
| 23) Bromochloromethane        | 7.514  | 128   | 121451   | 26.164   | ug/L   | 91        |
| 25) Chloroform                | 7.678  | 83    | 471025   | 24.542   | ug/L   | 99        |

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 Quant Title : SFAM01.0  
 QLast Update : Mon Mar 20 23:49:37 2023  
 Response via : Initial Calibration

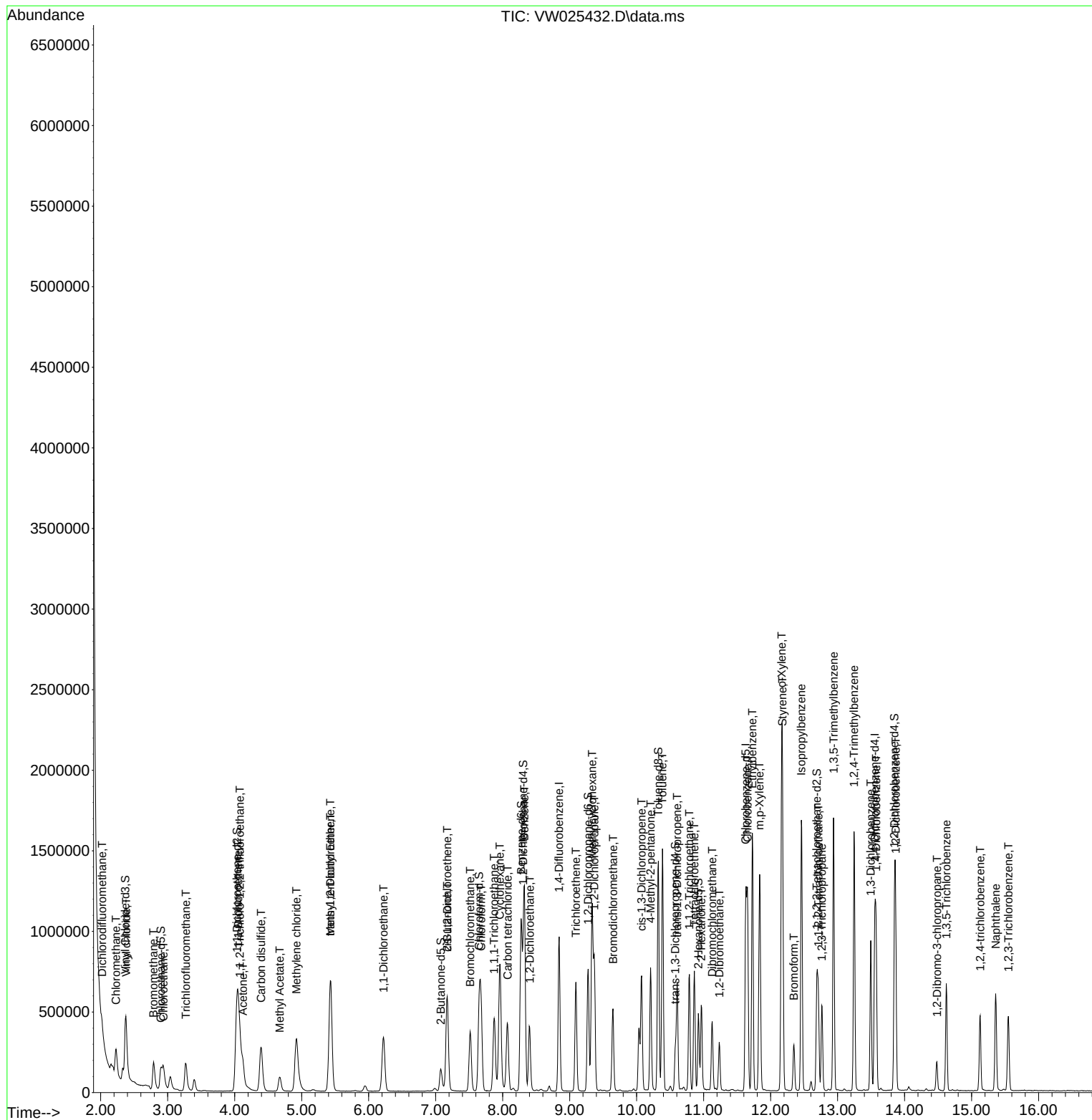
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 360901   | 28.177 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 469594   | 26.582 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 370846   | 24.926 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 320269   | 24.015 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 1049269  | 26.223 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 232455   | 22.134 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 435697   | 24.083 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 299319   | 27.175 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.648  | 83   | 341863   | 26.614 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.074 | 75   | 418492   | 26.374 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.208 | 43   | 518740   | 78.360 | ug/L  | 100      |
| 42) Toluene                   | 10.385 | 91   | 1049293  | 25.398 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 354333   | 26.665 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 221427   | 29.936 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 161269   | 21.581 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.964 | 43   | 352767   | 74.068 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.129 | 129  | 214511   | 27.142 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 194087   | 28.347 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.653 | 112  | 580245   | 22.129 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 1090406  | 23.142 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.836 | 106  | 412609   | 23.742 | ug/L  | 98       |
| 54) o-Xylene                  | 12.165 | 106  | 412376   | 25.216 | ug/L  | 99       |
| 55) Styrene                   | 12.178 | 104  | 643614   | 23.047 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 296442   | 32.219 | ug/L  | 99       |
| 59) Bromoform                 | 12.348 | 173  | 124319   | 36.089 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1062628  | 29.855 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 223332   | 42.931 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 858094   | 30.440 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 826746   | 29.771 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.494 | 146  | 340379   | 22.568 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 340941   | 22.038 | ug/L  | 93       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 352480   | 26.057 | ug/L  | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 48581    | 40.339 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 189697   | 18.503 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 144394   | 16.986 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 497669   | 29.659 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 150556   | 19.719 | ug/L  | 97       |

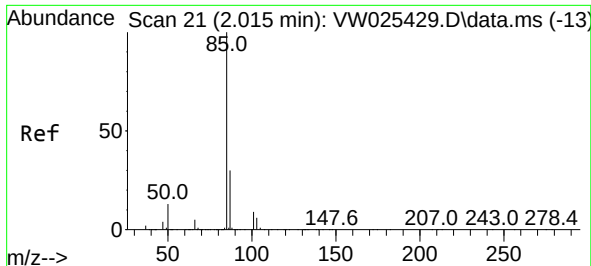
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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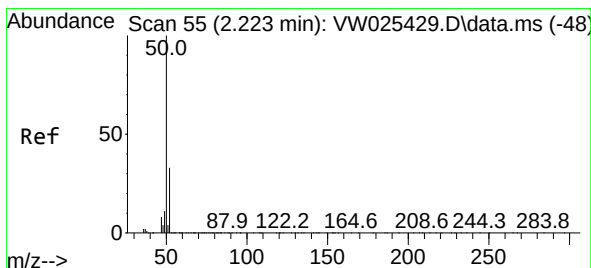
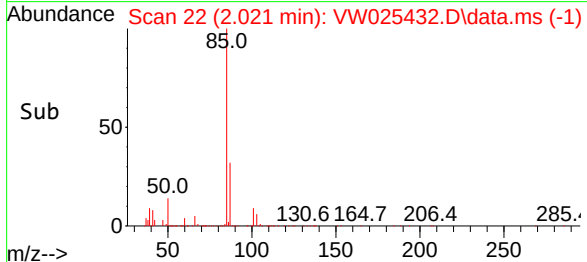
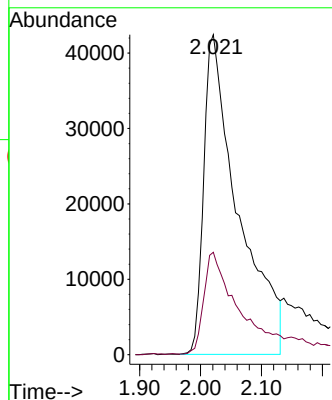
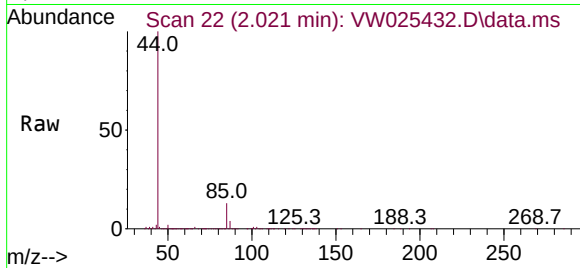




#2  
 Dichlorodifluoromethane  
 Concen: 19.268 ug/L  
 RT: 2.021 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VW025432.D  
 Acq: 20 Mar 2023 10:51

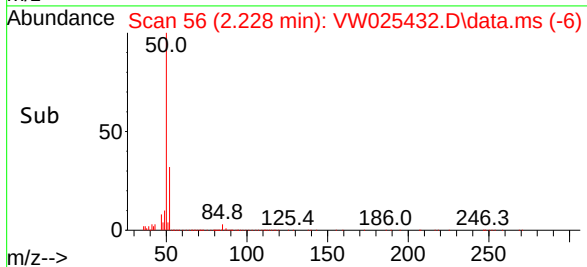
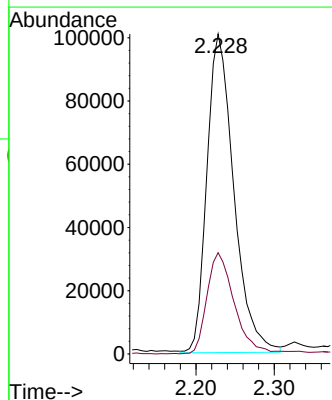
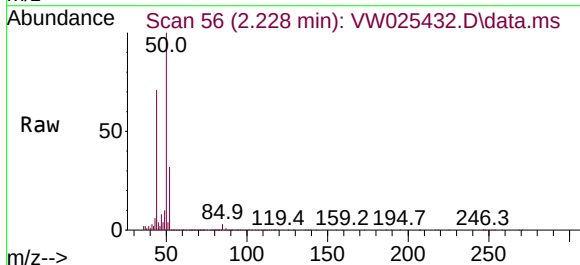
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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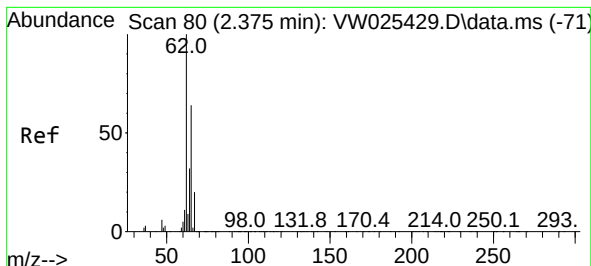
Tgt Ion: 85 Resp: 166070  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 20.5 30.7#



#3  
 Chloromethane  
 Concen: 23.462 ug/L  
 RT: 2.228 min Scan# 56  
 Delta R.T. 0.006 min  
 Lab File: VW025432.D  
 Acq: 20 Mar 2023 10:51

Tgt Ion: 50 Resp: 240503  
 Ion Ratio Lower Upper  
 50 100  
 52 31.6 21.9 40.7





#5

Vinyl chloride

Concen: 23.519 ug/L

RT: 2.381 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

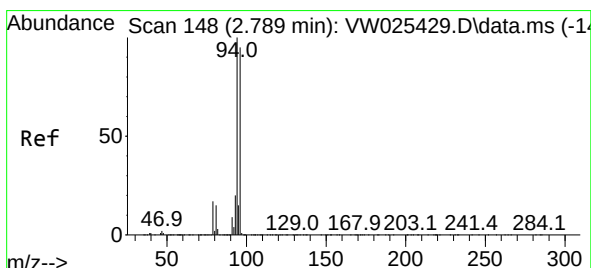
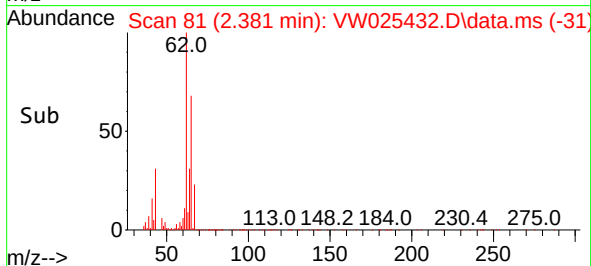
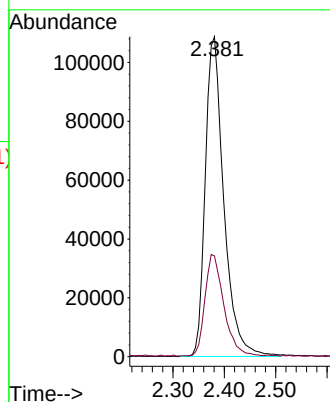
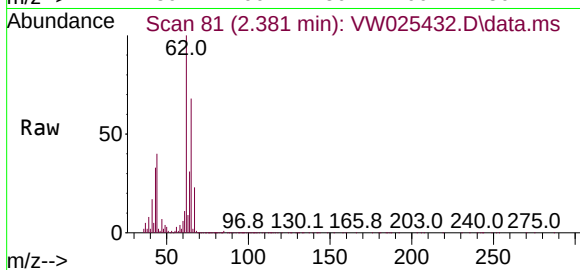
EYGA2MS

Tgt Ion: 62 Resp: 272382

Ion Ratio Lower Upper

62 100

64 31.5 23.4 43.6



#6

Bromomethane

Concen: 23.404 ug/L

RT: 2.789 min Scan# 148

Delta R.T. -0.000 min

Lab File: VW025432.D

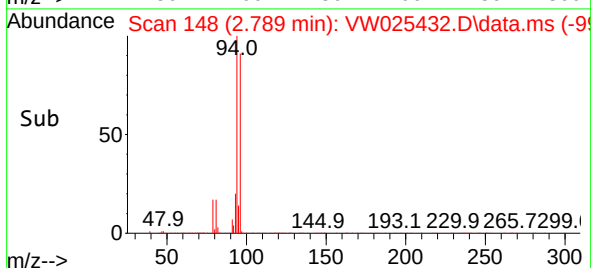
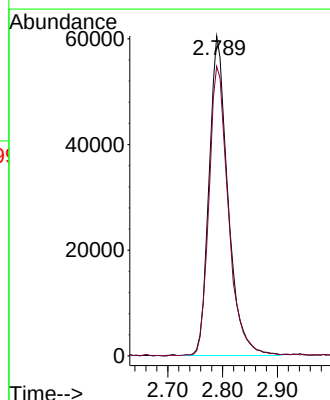
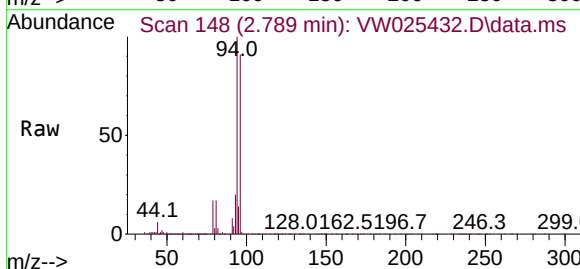
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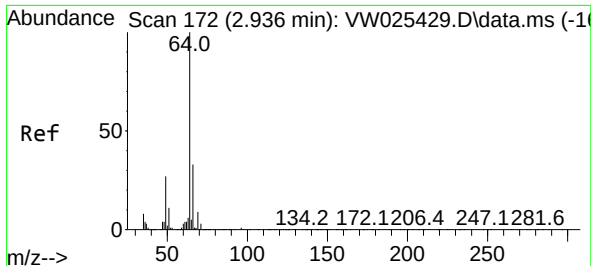
Tgt Ion: 94 Resp: 144504

Ion Ratio Lower Upper

94 100

96 90.5 64.5 119.9

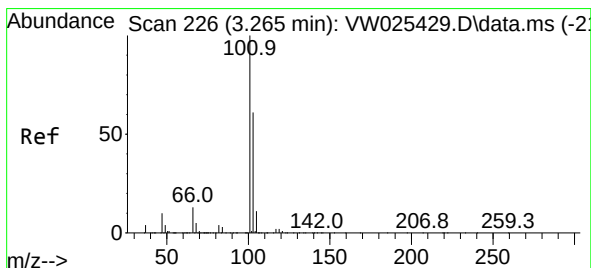
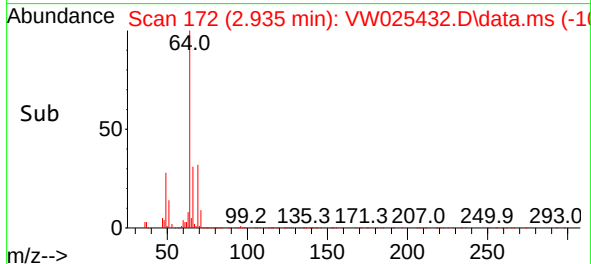
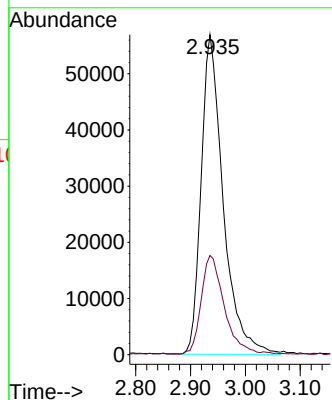
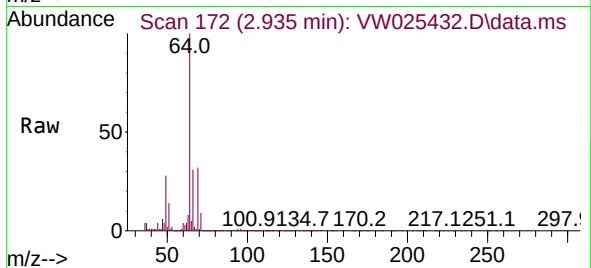




#8  
Chloroethane  
Concen: 23.819 ug/L  
RT: 2.935 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

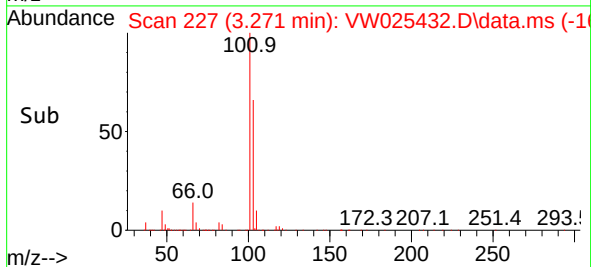
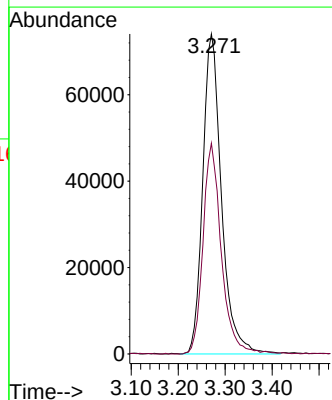
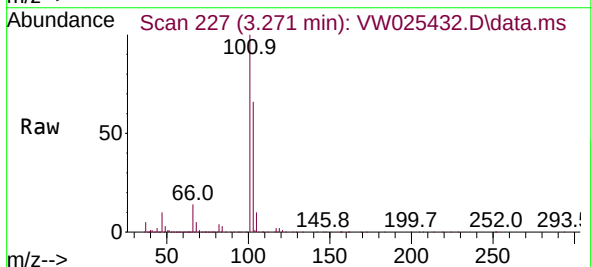
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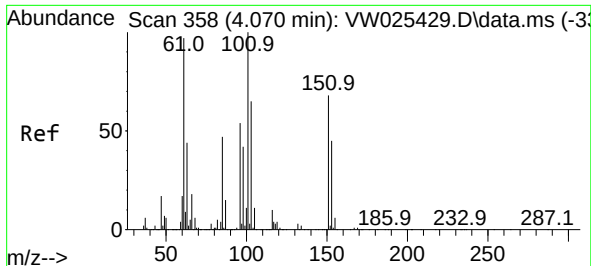
Tgt Ion: 64 Resp: 158544  
Ion Ratio Lower Upper  
64 100  
66 31.0 23.3 43.3



#9  
Trichlorofluoromethane  
Concen: 20.453 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 101 Resp: 205021  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.153 ug/L

RT: 4.075 min Scan# 358

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

EYGA2MS

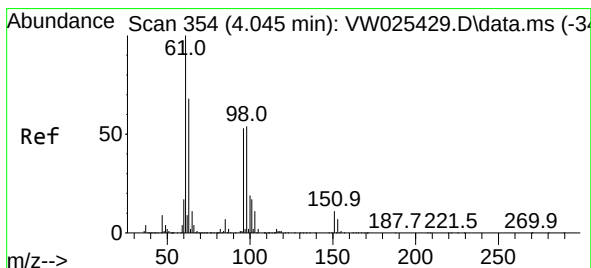
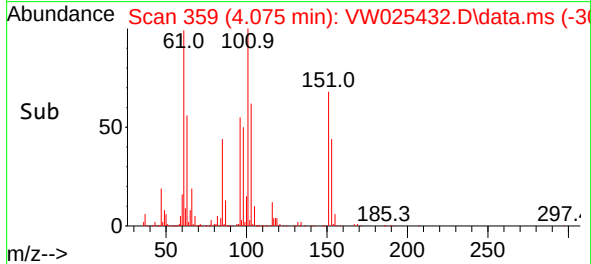
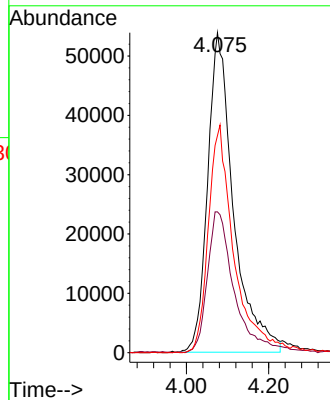
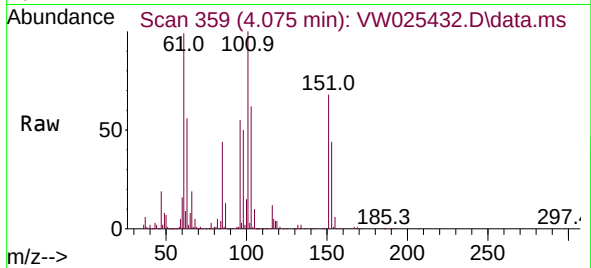
Tgt Ion:101 Resp: 234785

Ion Ratio Lower Upper

101 100

85 46.0 35.8 53.8

151 68.5 54.2 81.2



#12

1,1-Dichloroethene

Concen: 22.805 ug/L

RT: 4.051 min Scan# 355

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

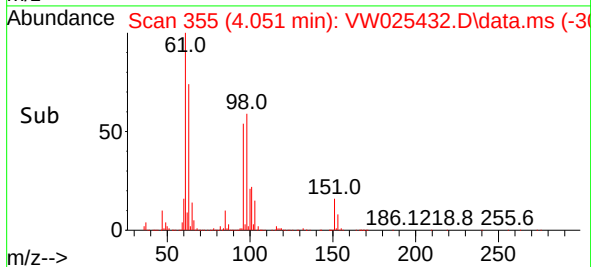
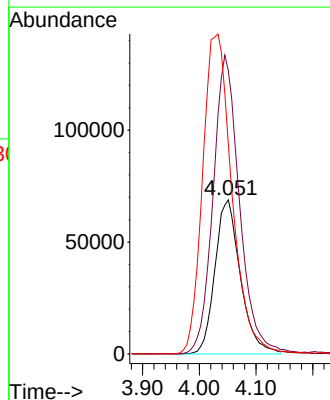
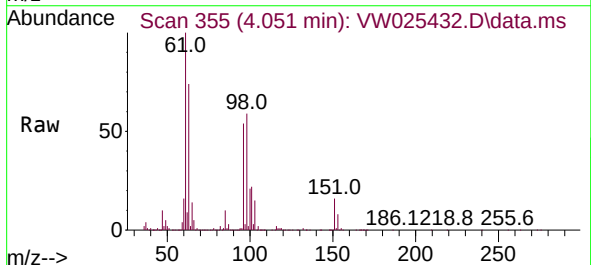
Tgt Ion: 96 Resp: 214485

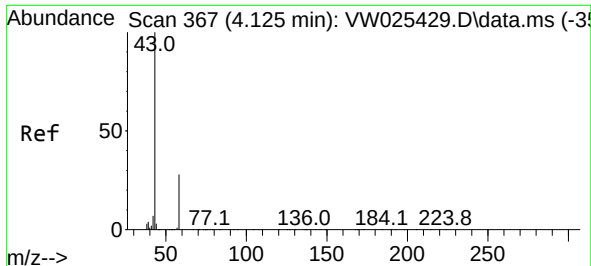
Ion Ratio Lower Upper

96 100

61 183.7 130.7 242.7

63 135.9 88.3 164.1





#13

Acetone

Concen: 60.381 ug/L

RT: 4.124 min Scan# 3

Delta R.T. -0.000 min

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Acq: 20 Mar 2023 10:51

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ClientSampleId :

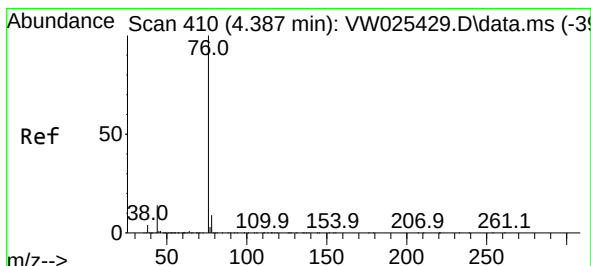
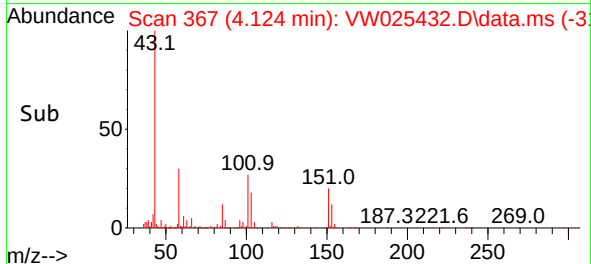
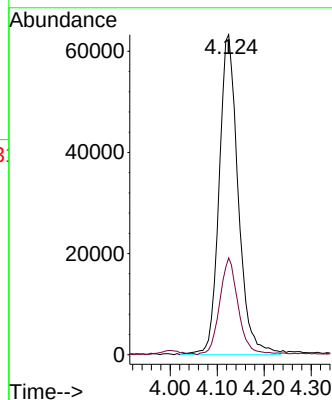
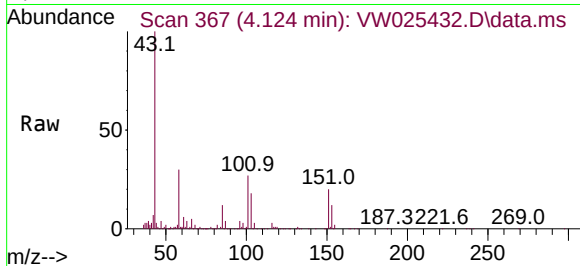
EYGA2MS

Tgt Ion: 43 Resp: 178665

Ion Ratio Lower Upper

43 100

58 29.1 0.0 60.0



#14

Carbon disulfide

Concen: 21.906 ug/L

RT: 4.392 min Scan# 411

Delta R.T. 0.006 min

Lab File: VW025432.D

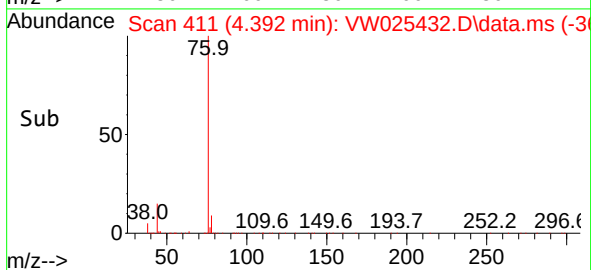
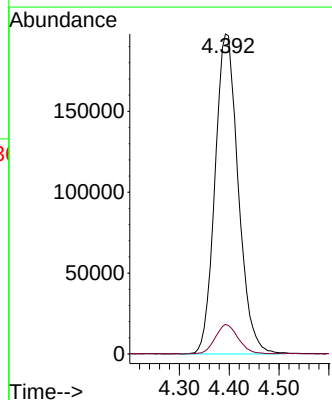
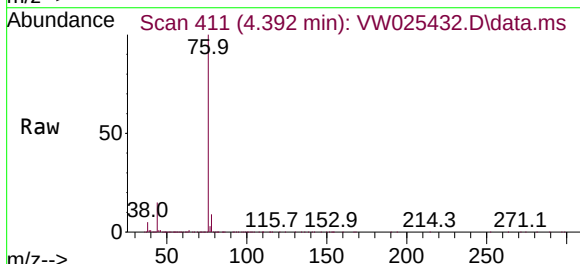
Acq: 20 Mar 2023 10:51

Tgt Ion: 76 Resp: 640574

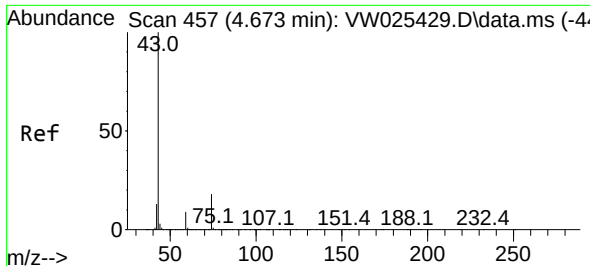
Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



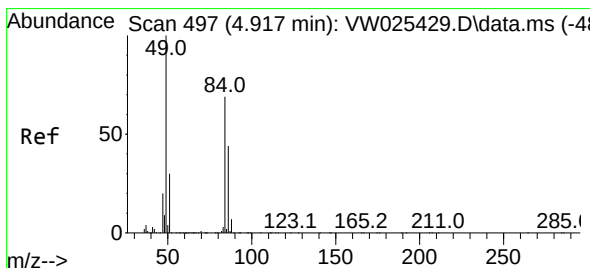
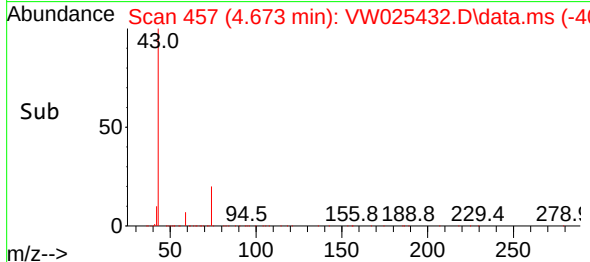
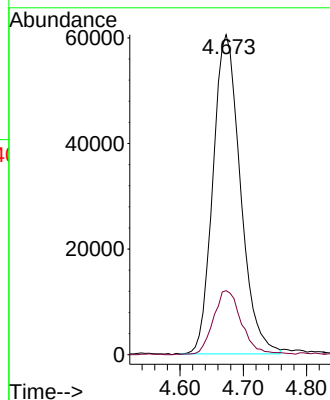
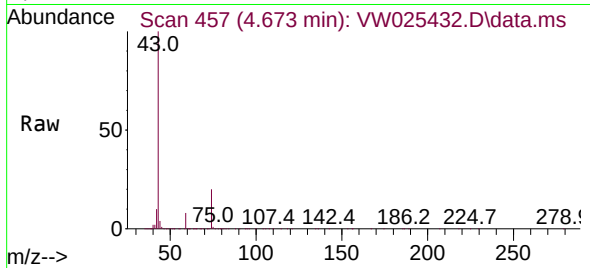




#15  
Methyl Acetate  
Concen: 32.781 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

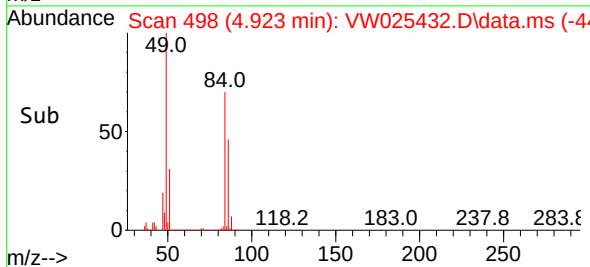
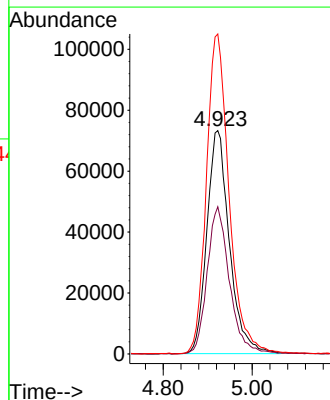
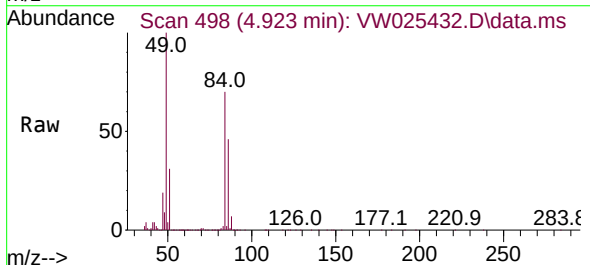
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

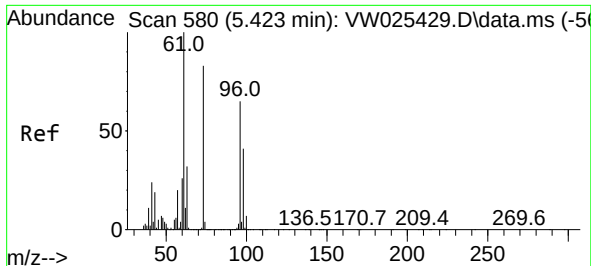
Tgt Ion: 43 Resp: 181968  
Ion Ratio Lower Upper  
43 100  
74 20.2 17.0 25.4



#16  
Methylene chloride  
Concen: 24.612 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 84 Resp: 258469  
Ion Ratio Lower Upper  
84 100  
86 65.9 45.1 83.7  
49 143.3 94.7 175.9

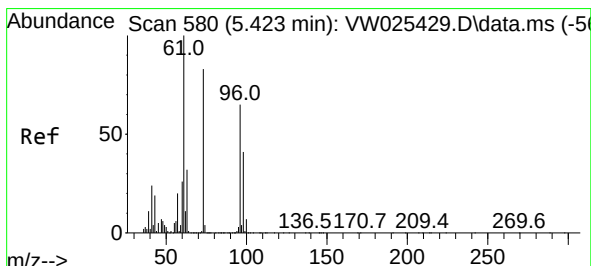
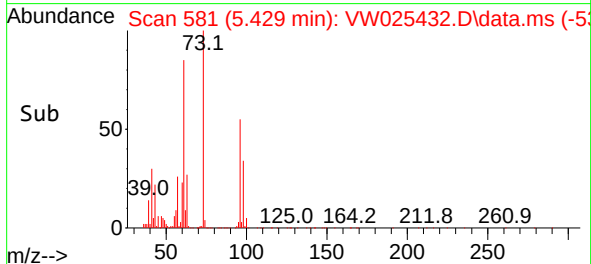
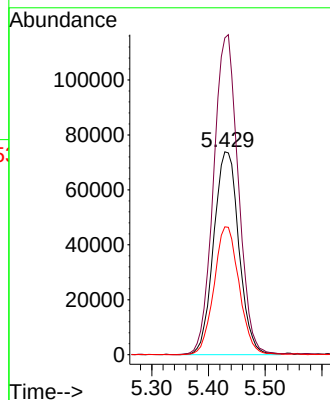
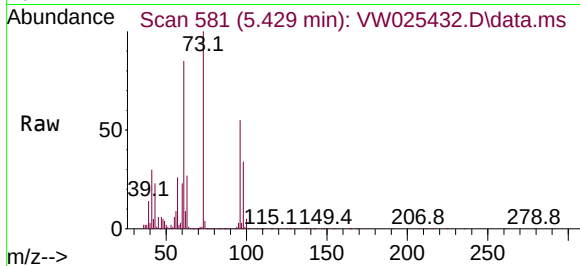




#17  
trans-1,2-Dichloroethene  
Concen: 23.112 ug/L  
RT: 5.429 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

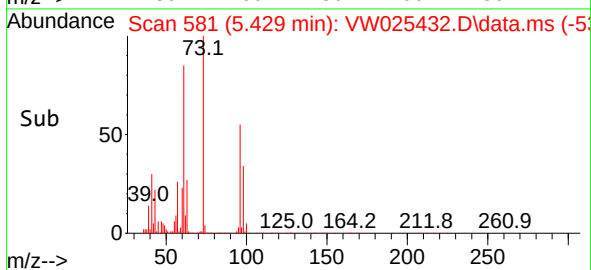
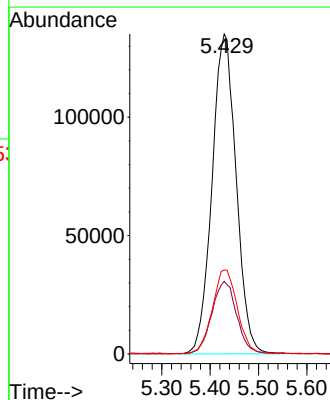
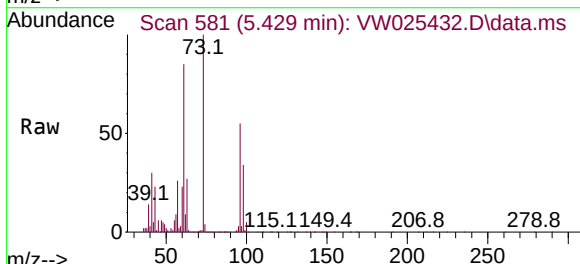
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

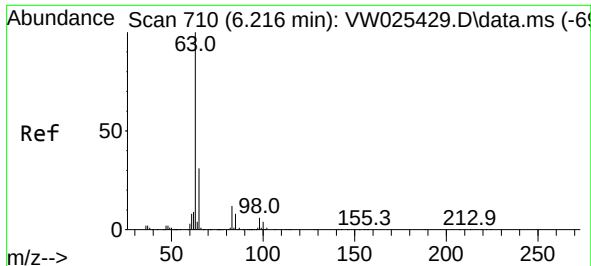
Tgt Ion: 96 Resp: 227866  
Ion Ratio Lower Upper  
96 100  
61 156.1 103.0 191.4  
98 63.0 43.4 80.6



#18  
Methyl tert-butyl Ether  
Concen: 31.520 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 73 Resp: 467845  
Ion Ratio Lower Upper  
73 100  
43 23.2 17.6 26.4  
57 27.1 18.6 28.0





#19

1,1-Dichloroethane

Concen: 24.838 ug/L

RT: 6.221 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

EYGA2MS

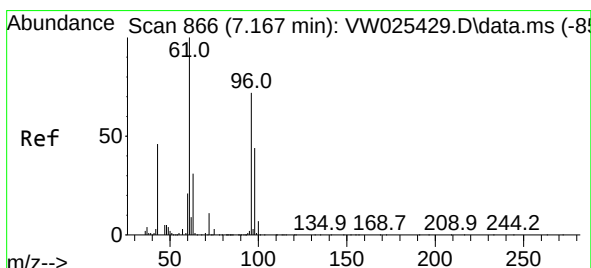
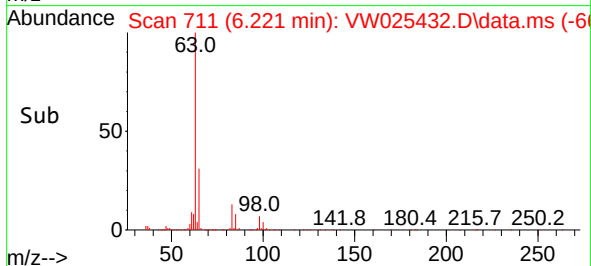
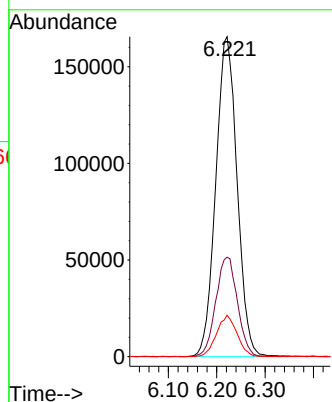
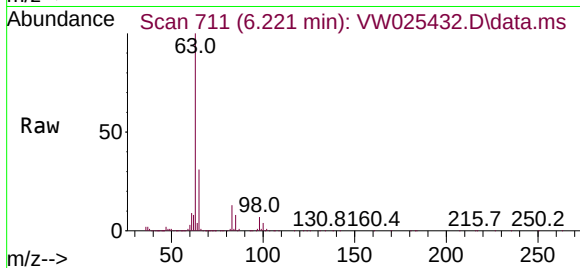
Tgt Ion: 63 Resp: 507112

Ion Ratio Lower Upper

63 100

65 31.1 21.7 40.3

83 13.0 8.4 15.6



#20

cis-1,2-Dichloroethene

Concen: 24.024 ug/L

RT: 7.172 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

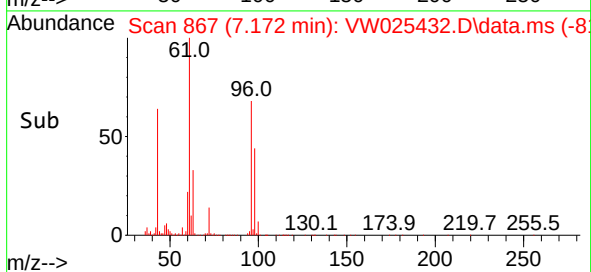
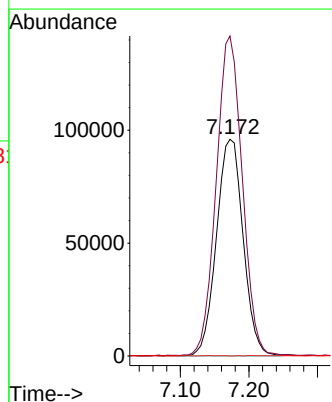
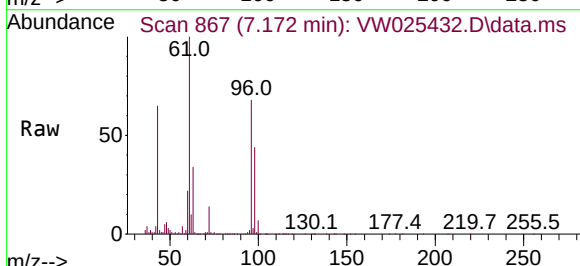
Tgt Ion: 96 Resp: 259324

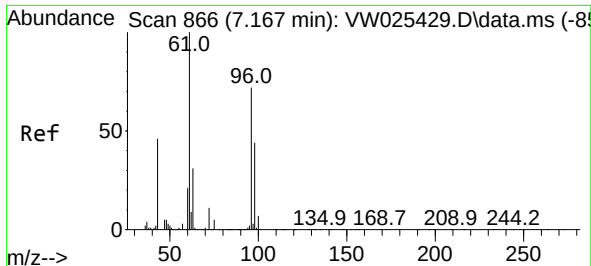
Ion Ratio Lower Upper

96 100

61 147.7 95.5 177.4

68 0.0 0.1 0.1#

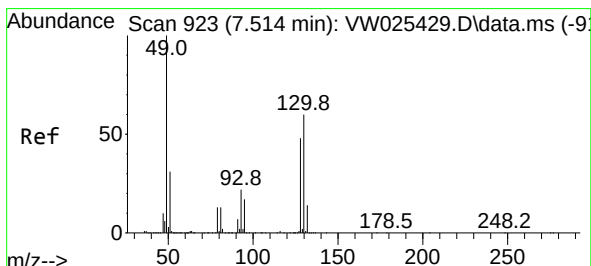
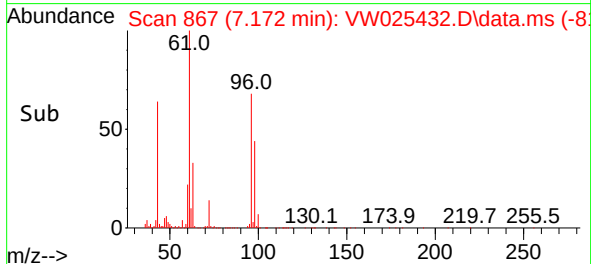
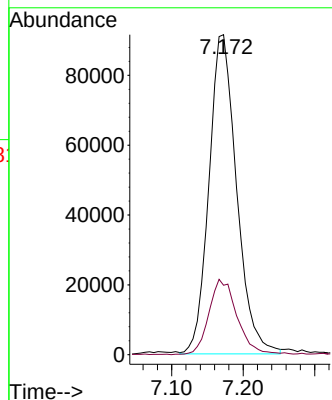
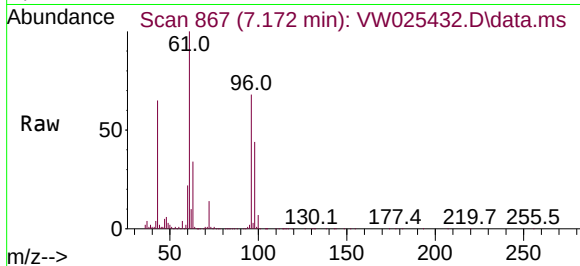




#22  
2-Butanone  
Concen: 64.210 ug/L  
RT: 7.172 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

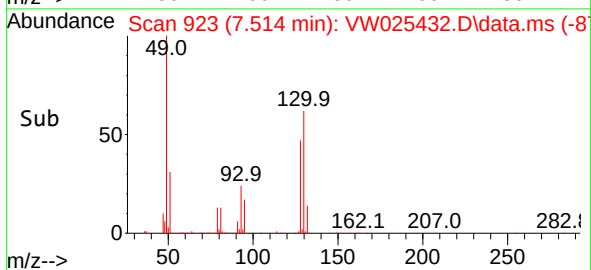
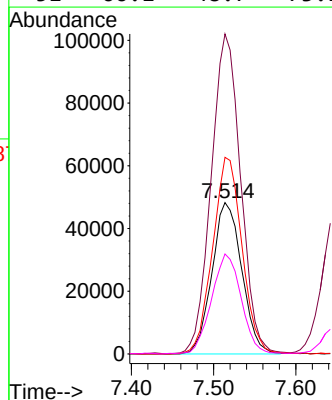
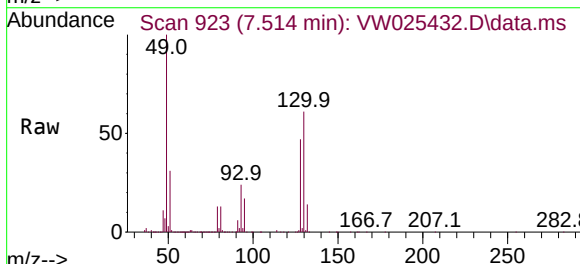
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

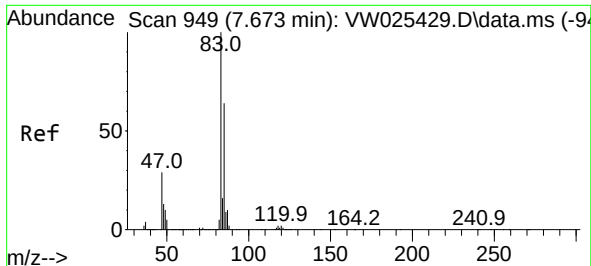
Tgt Ion: 43 Resp: 245778  
Ion Ratio Lower Upper  
43 100  
72 24.1 12.0 36.1



#23  
Bromochloromethane  
Concen: 26.164 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion:128 Resp: 121451  
Ion Ratio Lower Upper  
128 100  
49 211.4 140.6 261.0  
130 130.0 80.8 150.0  
51 66.1 48.7 73.1

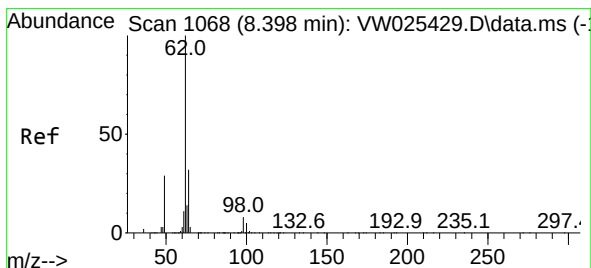
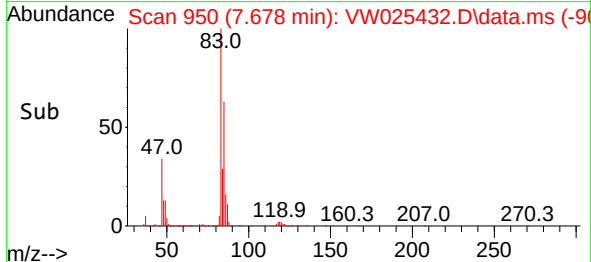
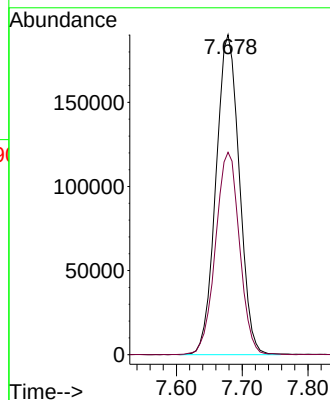
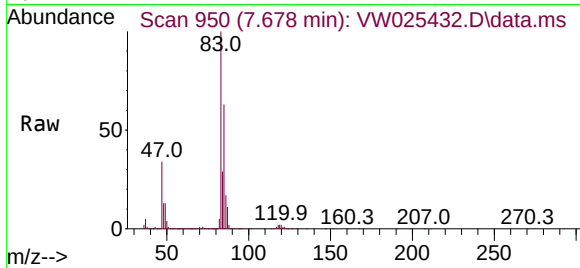




#25  
Chloroform  
Concen: 24.542 ug/L  
RT: 7.678 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

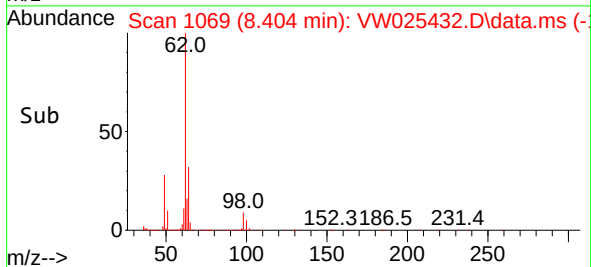
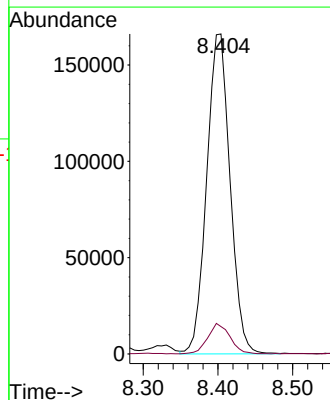
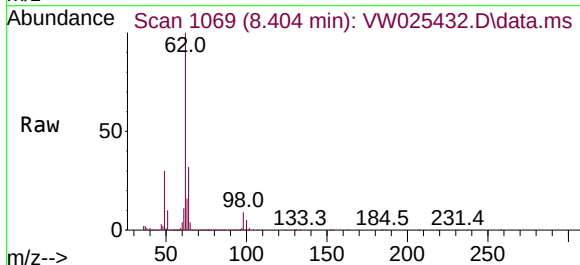
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

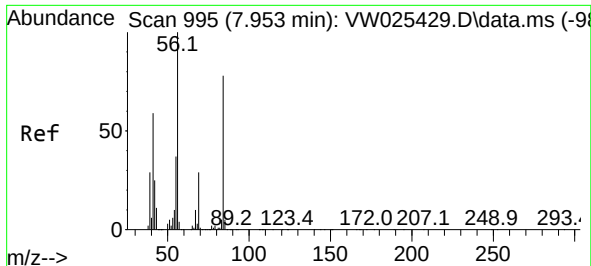
Tgt Ion: 83 Resp: 471025  
Ion Ratio Lower Upper  
83 100  
85 63.2 44.7 82.9



#27  
1,2-Dichloroethane  
Concen: 28.177 ug/L  
RT: 8.404 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 62 Resp: 360901  
Ion Ratio Lower Upper  
62 100  
98 8.6 7.2 10.8

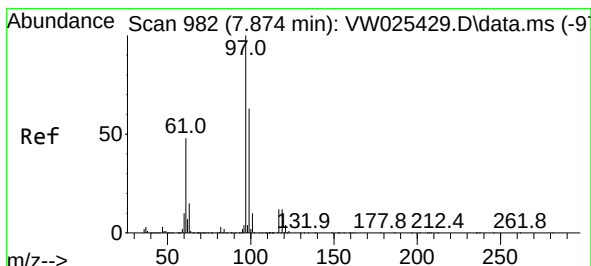
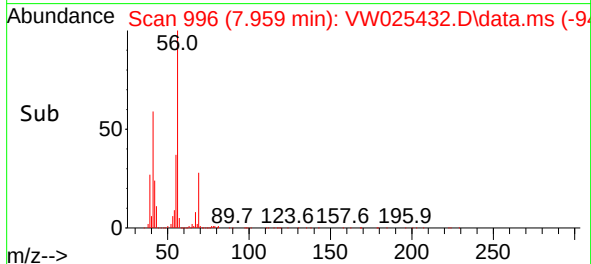
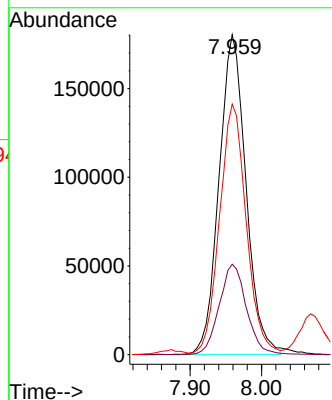
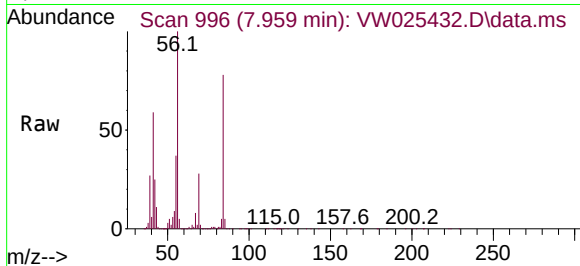




#29  
Cyclohexane  
Concen: 26.582 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

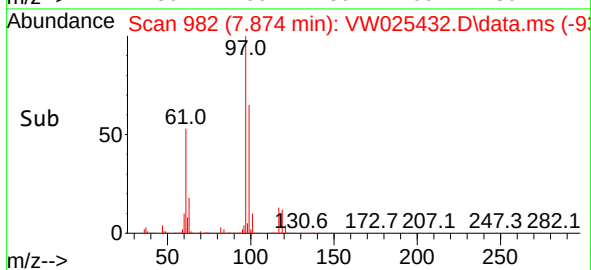
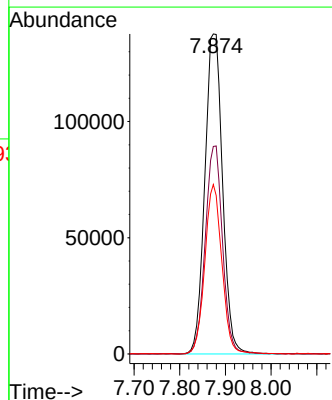
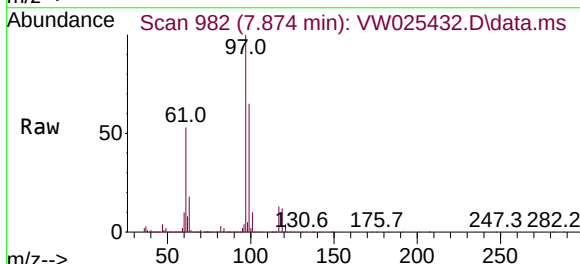
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

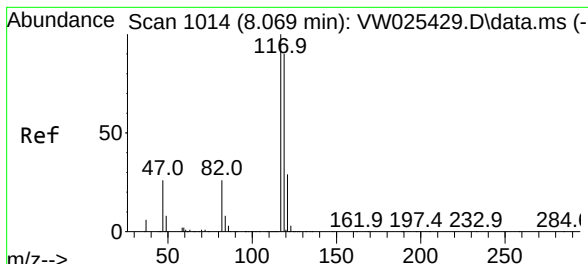
Tgt Ion: 56 Resp: 469594  
Ion Ratio Lower Upper  
56 100  
69 28.8 23.1 34.7  
84 77.9 63.9 95.9



#30  
1,1,1-Trichloroethane  
Concen: 24.926 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 97 Resp: 370846  
Ion Ratio Lower Upper  
97 100  
99 63.3 50.9 76.3  
61 51.0 39.8 59.6

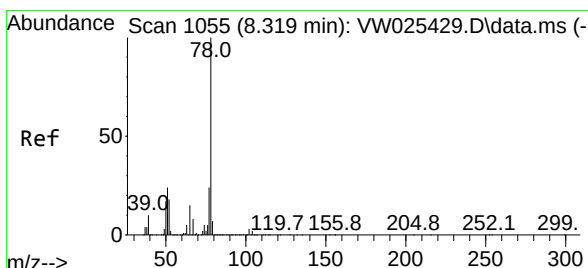
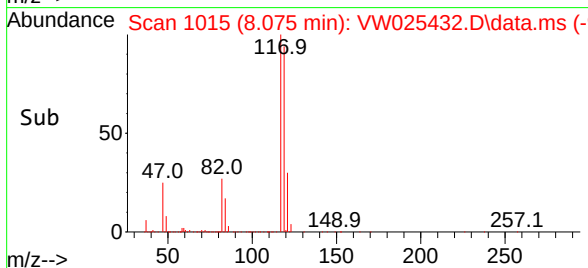
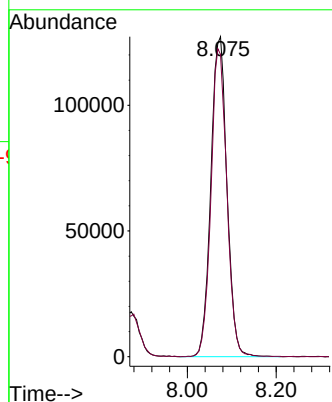
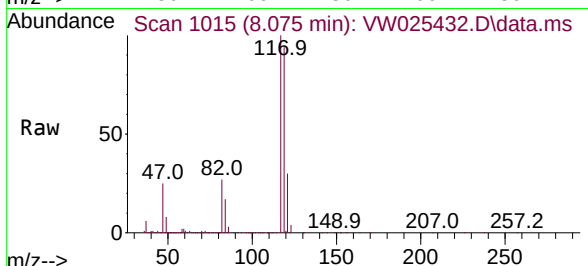




#31  
Carbon tetrachloride  
Concen: 24.015 ug/L  
RT: 8.075 min Scan# 1015  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

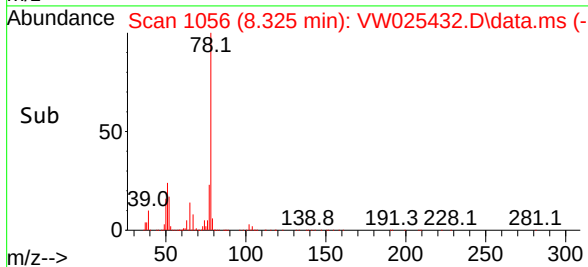
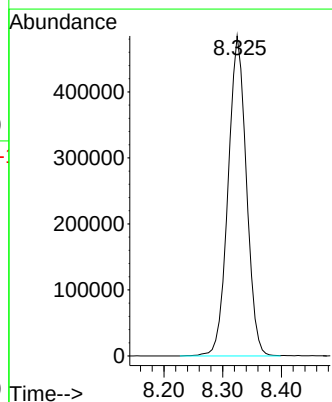
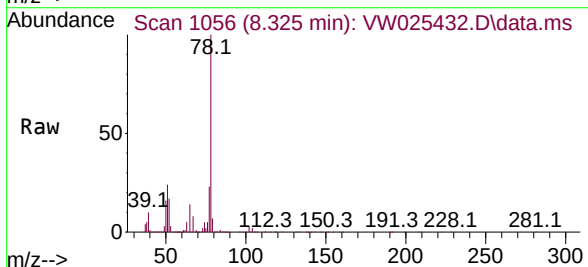
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

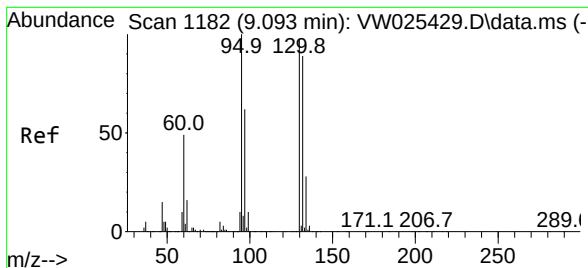
Tgt Ion:117 Resp: 320269  
Ion Ratio Lower Upper  
117 100  
119 94.8 75.8 113.6



#33  
Benzene  
Concen: 26.223 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 78 Resp: 1049269





#34

Trichloroethene

Concen: 22.134 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

EYGA2MS

Tgt Ion: 95 Resp: 232455

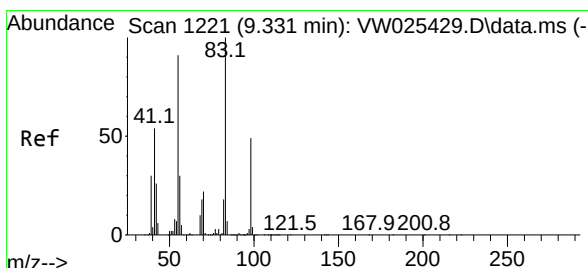
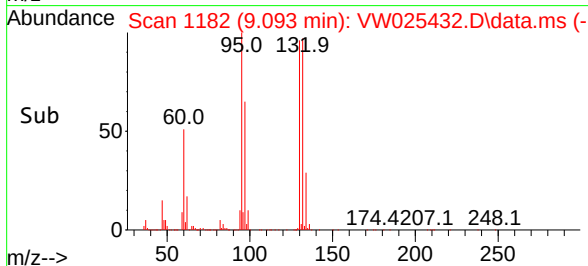
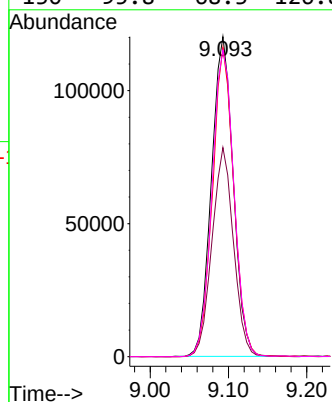
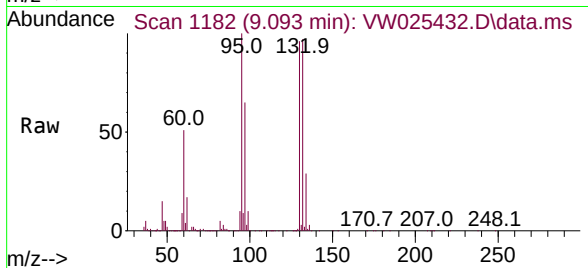
Ion Ratio Lower Upper

95 100

97 65.4 43.8 81.4

132 96.6 65.9 122.3

130 95.8 68.3 126.8



#35

Methylcyclohexane

Concen: 24.083 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

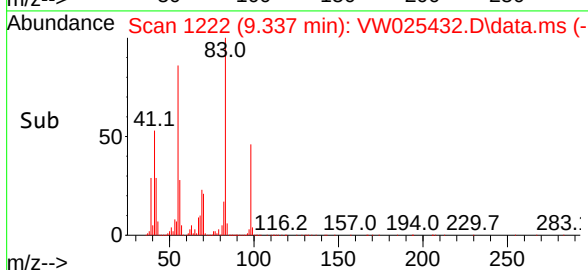
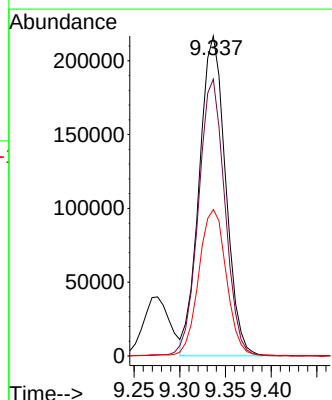
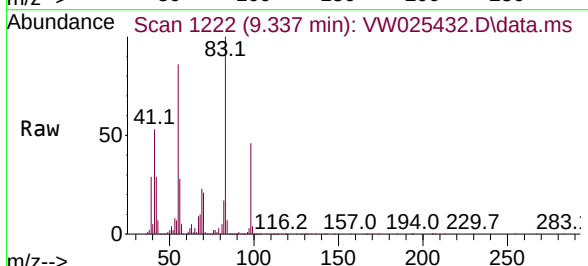
Tgt Ion: 83 Resp: 435697

Ion Ratio Lower Upper

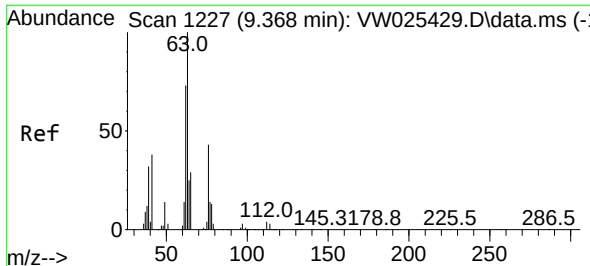
83 100

55 86.8 68.2 102.4

98 47.7 39.0 58.4



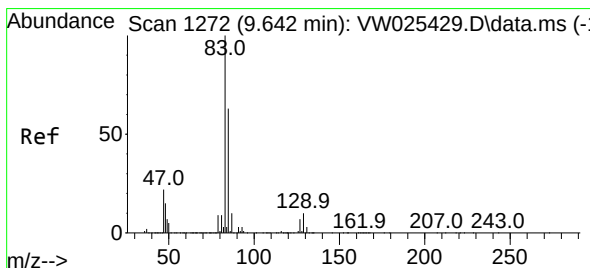
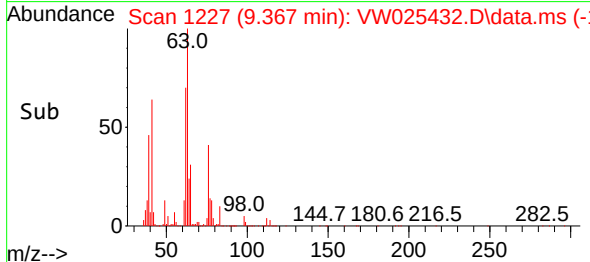
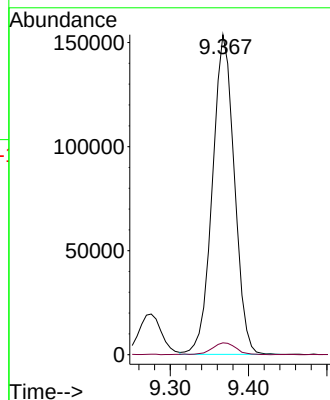
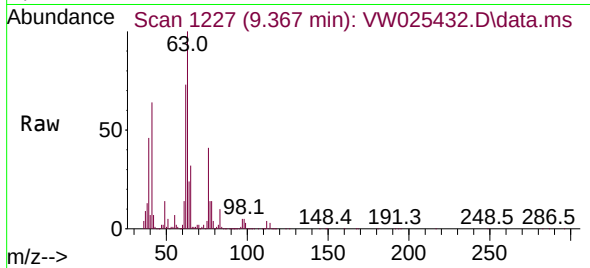




#37  
1,2-Dichloropropane  
Concen: 27.175 ug/L  
RT: 9.367 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

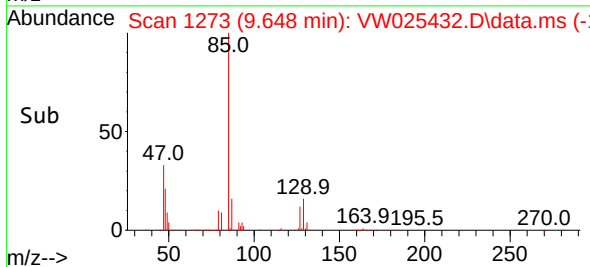
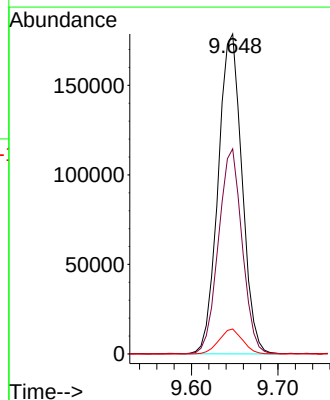
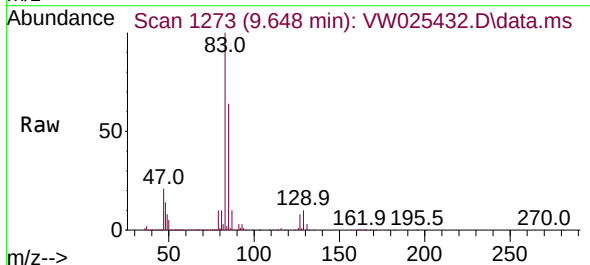
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

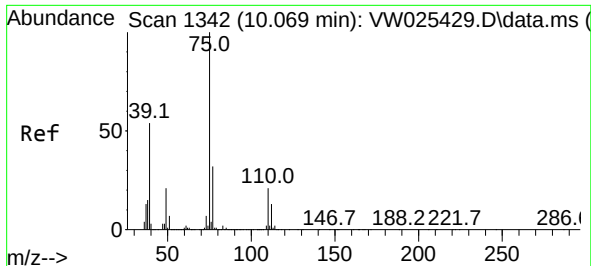
Tgt Ion: 63 Resp: 299319  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.2 4.8



#38  
Bromodichloromethane  
Concen: 26.614 ug/L  
RT: 9.648 min Scan# 1273  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 83 Resp: 341863  
Ion Ratio Lower Upper  
83 100  
85 64.1 44.7 83.1  
127 7.8 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 26.374 ug/L

RT: 10.074 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

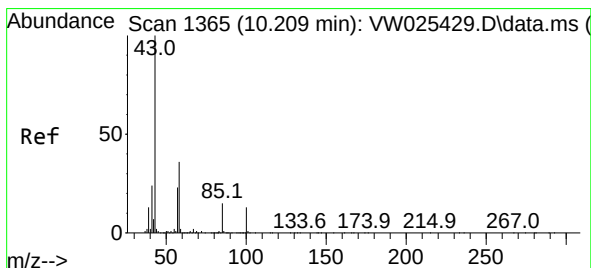
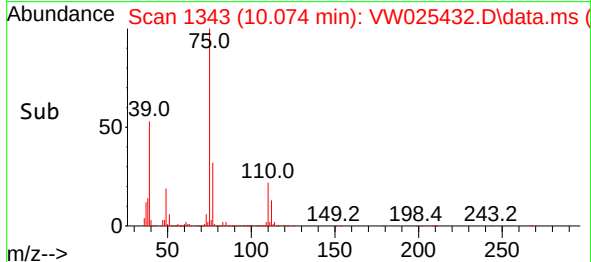
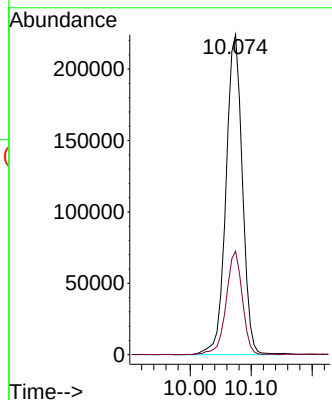
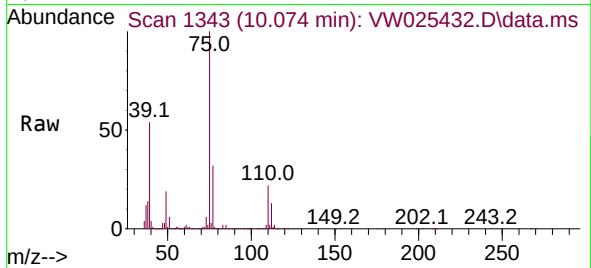
EYGA2MS

Tgt Ion: 75 Resp: 418492

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 78.360 ug/L

RT: 10.208 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

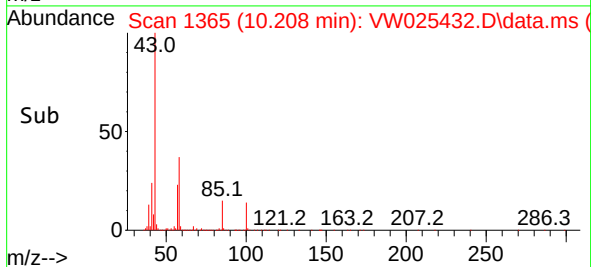
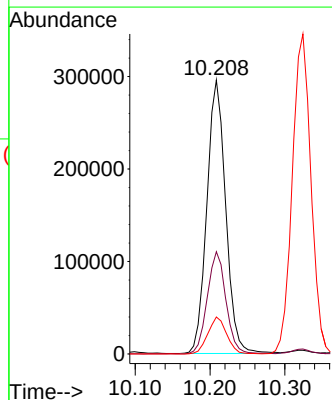
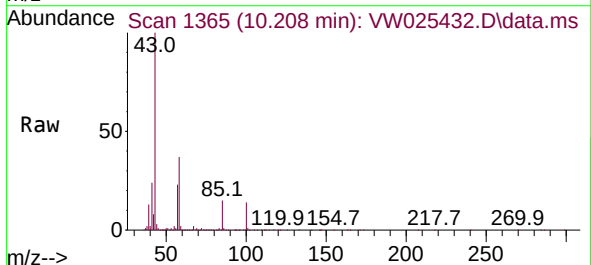
Tgt Ion: 43 Resp: 518740

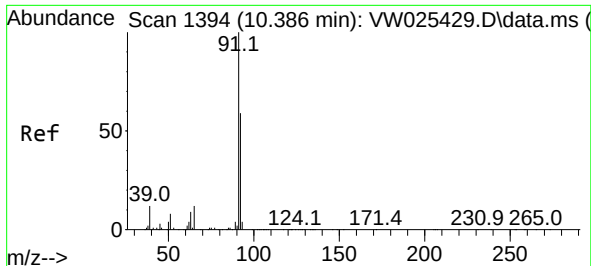
Ion Ratio Lower Upper

43 100

58 37.0 29.6 44.4

100 13.5 10.6 16.0

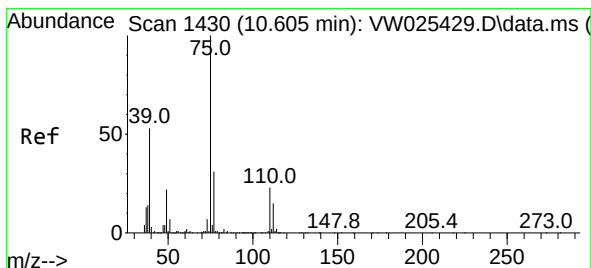
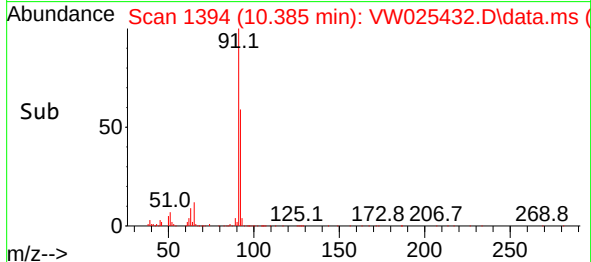
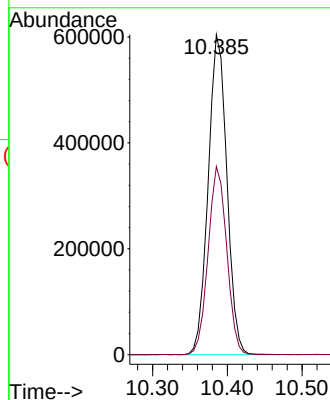
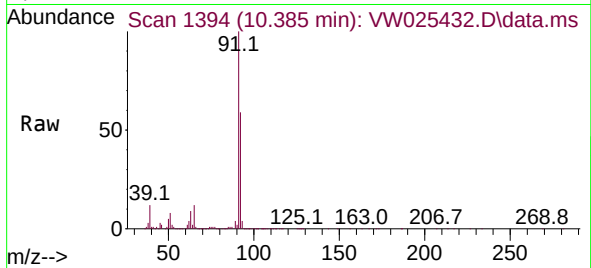




#42  
Toluene  
Concen: 25.398 ug/L  
RT: 10.385 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

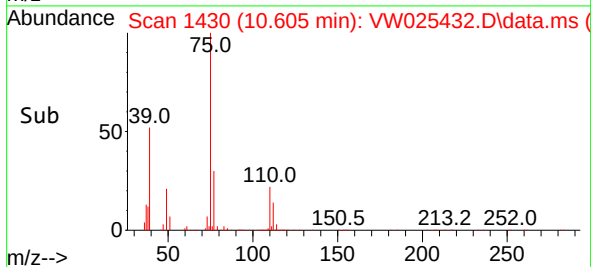
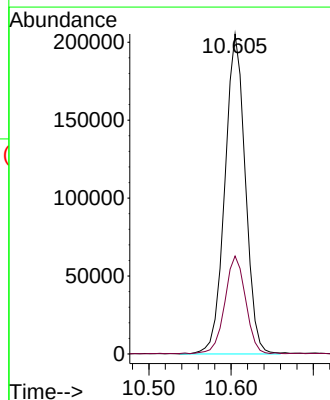
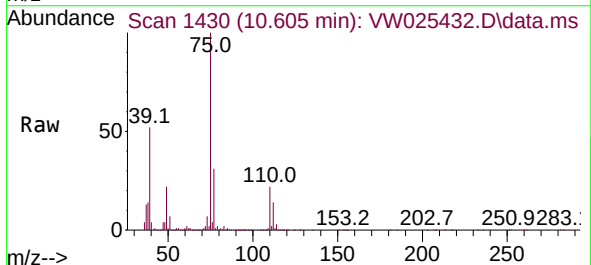
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

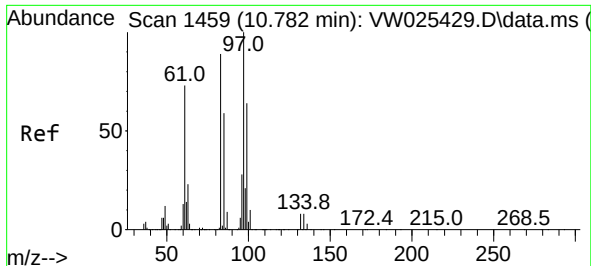
Tgt Ion: 91 Resp: 1049293  
Ion Ratio Lower Upper  
91 100  
92 58.8 41.6 77.3



#44  
trans-1,3-Dichloropropene  
Concen: 26.665 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 75 Resp: 354333  
Ion Ratio Lower Upper  
75 100  
77 30.6 22.3 41.3



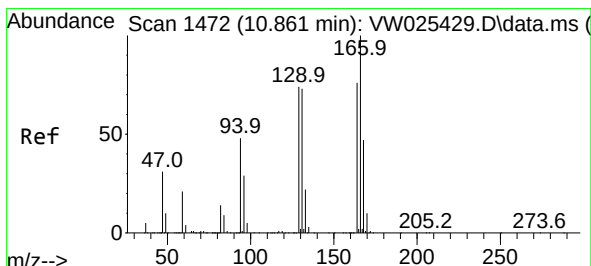
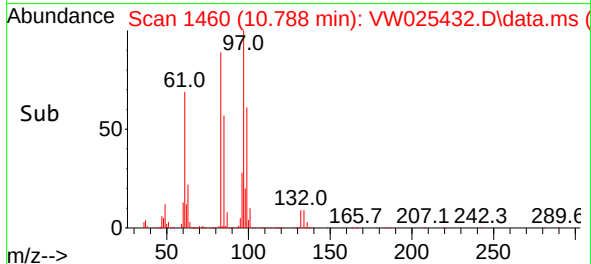
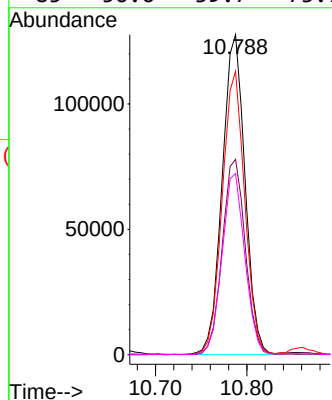
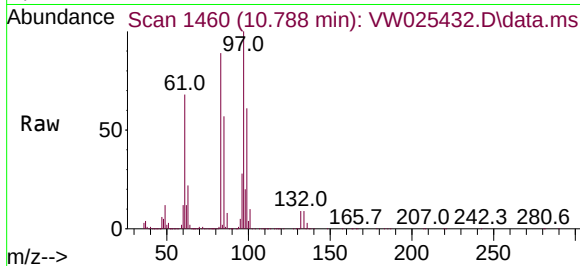


#45  
1,1,2-Trichloroethane  
Concen: 29.936 ug/L  
RT: 10.788 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

Tgt Ion: 97 Resp: 221427

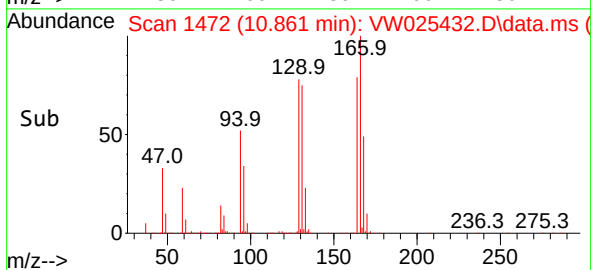
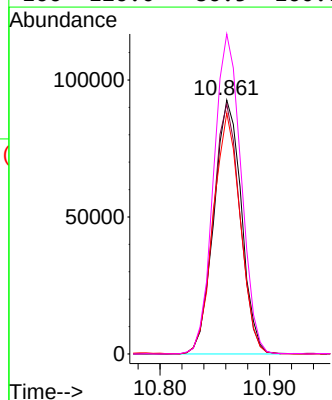
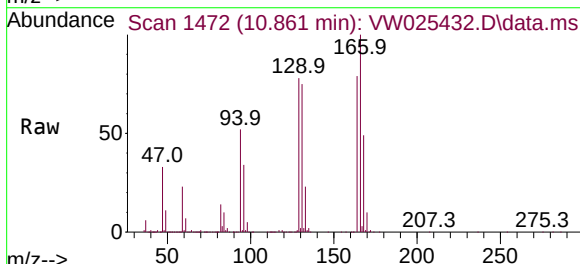
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.0  | 42.6  | 79.0  |
| 83  | 88.6  | 60.5  | 112.3 |
| 85  | 56.6  | 39.7  | 73.7  |

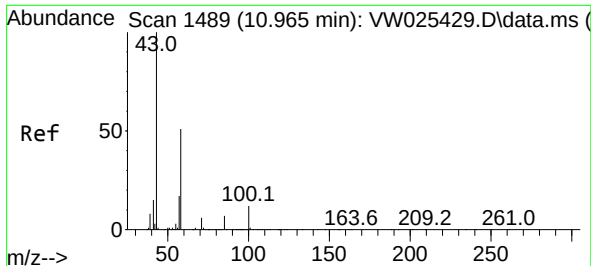


#46  
Tetrachloroethene  
Concen: 21.581 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 164 Resp: 161269

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.4  | 67.7  | 125.7 |
| 131 | 94.9  | 67.0  | 124.4 |
| 166 | 126.0 | 86.5  | 160.7 |

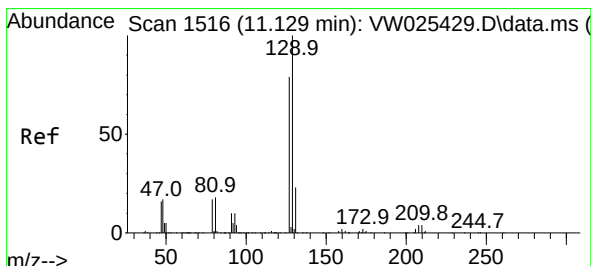
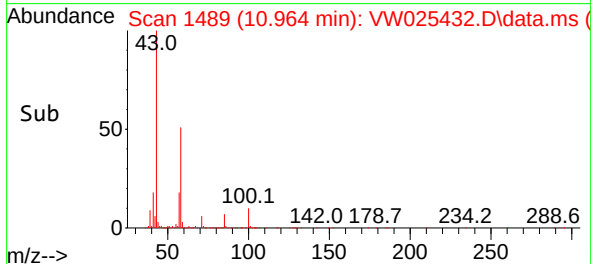
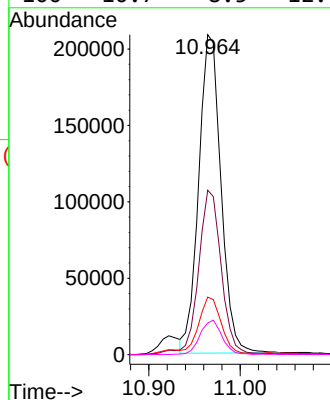
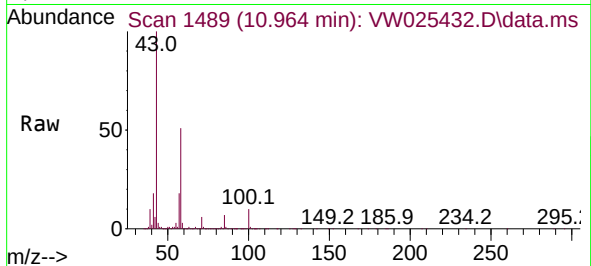




#48  
2-Hexanone  
Concen: 74.068 ug/L  
RT: 10.964 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

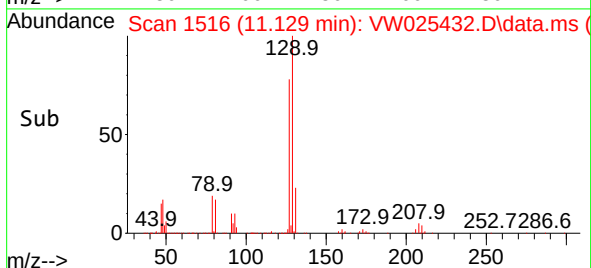
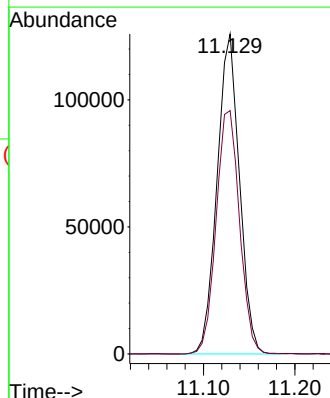
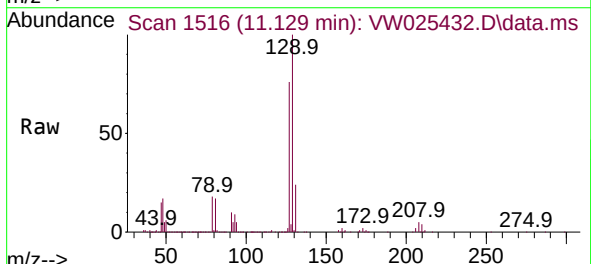
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

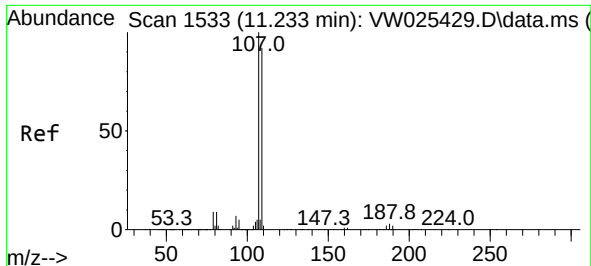
Tgt Ion: 43 Resp: 352767  
Ion Ratio Lower Upper  
43 100  
58 51.4 41.2 61.8  
57 17.7 14.2 21.4  
100 10.7 8.5 12.7



#49  
Dibromochloromethane  
Concen: 27.142 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion: 129 Resp: 214511  
Ion Ratio Lower Upper  
129 100  
127 76.1 52.8 98.2

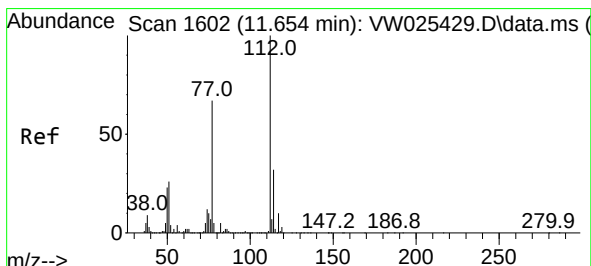
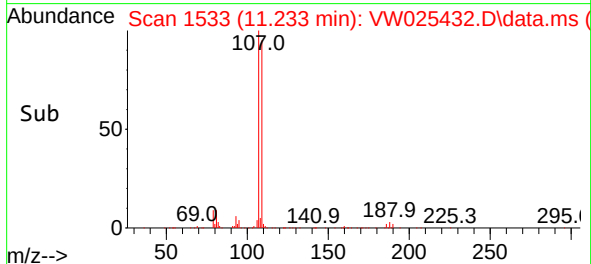
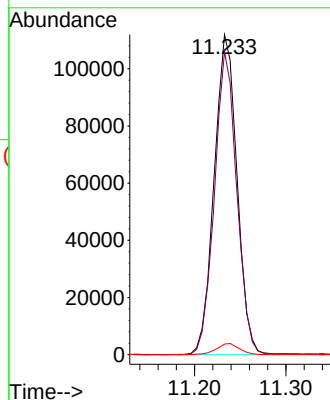
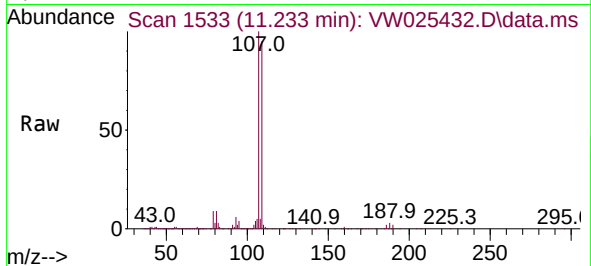




#50  
1,2-Dibromoethane  
Concen: 28.347 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

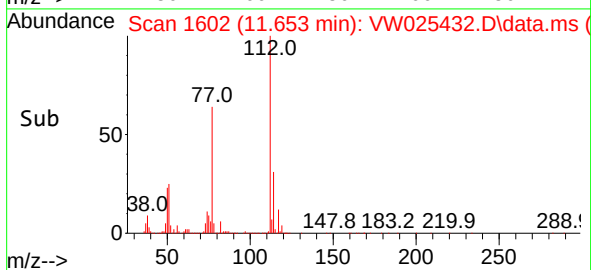
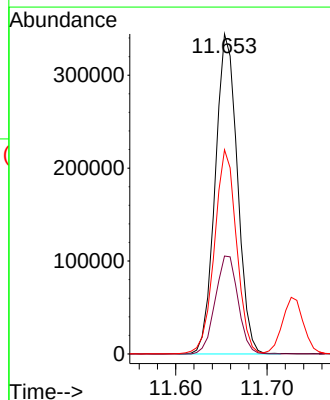
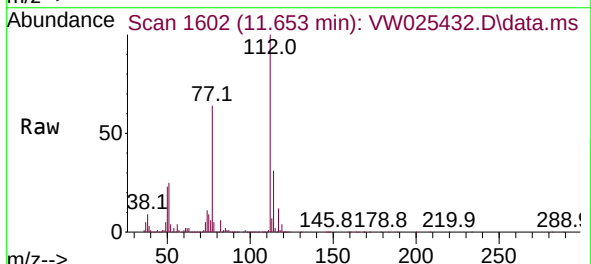
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

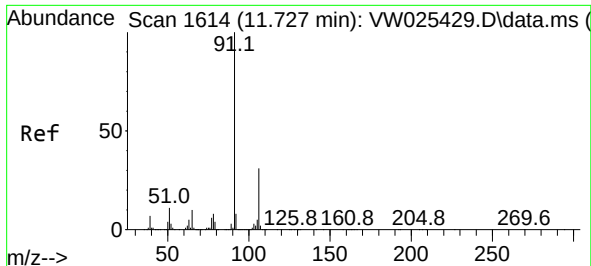
Tgt Ion:107 Resp: 194087  
Ion Ratio Lower Upper  
107 100  
109 94.6 62.9 116.9  
188 3.3 3.0 4.4



#51  
Chlorobenzene  
Concen: 22.129 ug/L  
RT: 11.653 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion:112 Resp: 580245  
Ion Ratio Lower Upper  
112 100  
114 30.6 21.9 40.7  
77 63.8 51.8 77.8

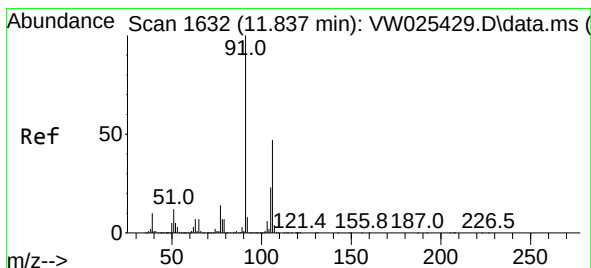
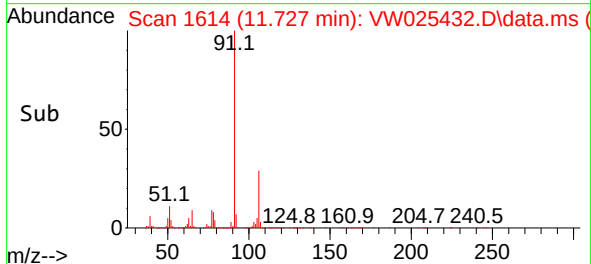
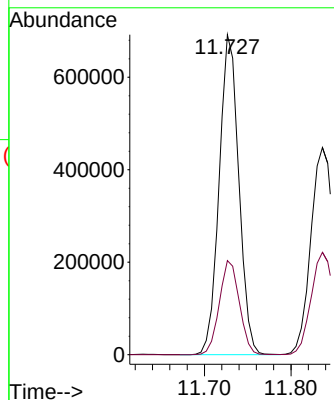
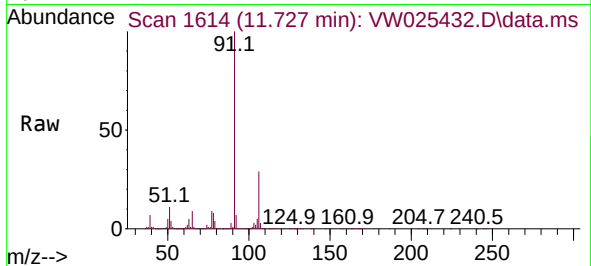




#52  
Ethylbenzene  
Concen: 23.142 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

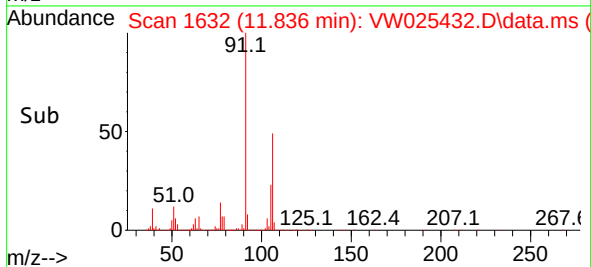
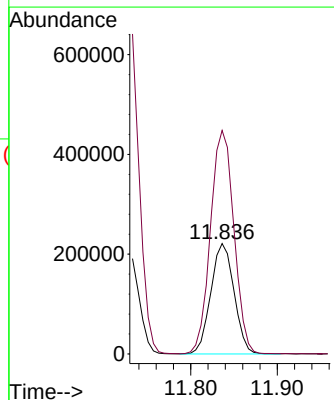
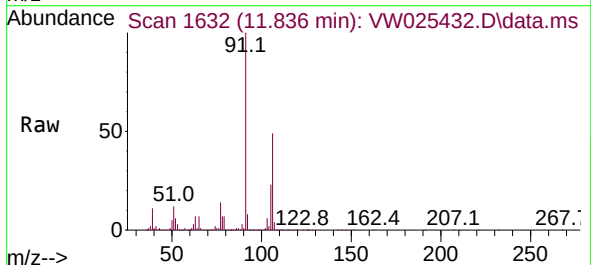
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

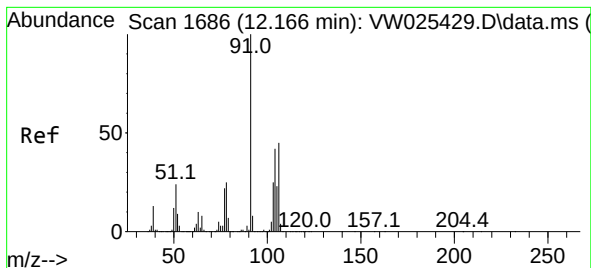
Tgt Ion: 91 Resp: 1090406  
Ion Ratio Lower Upper  
91 100  
106 29.4 22.0 41.0



#53  
m,p-Xylene  
Concen: 23.742 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion:106 Resp: 412609  
Ion Ratio Lower Upper  
106 100  
91 202.3 144.2 267.8





#54

o-Xylene

Concen: 25.216 ug/L

RT: 12.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

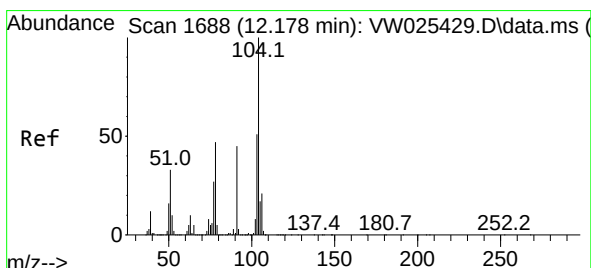
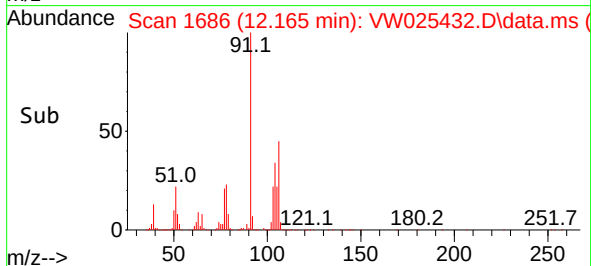
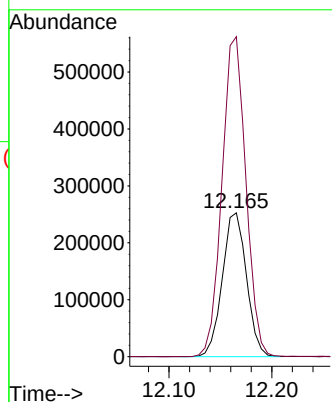
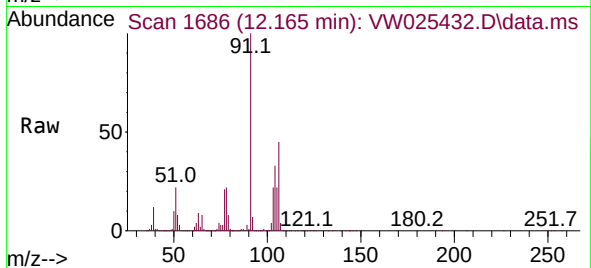
EYGA2MS

Tgt Ion:106 Resp: 412376

Ion Ratio Lower Upper

106 100

91 222.4 154.6 287.2



#55

Styrene

Concen: 23.047 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW025432.D

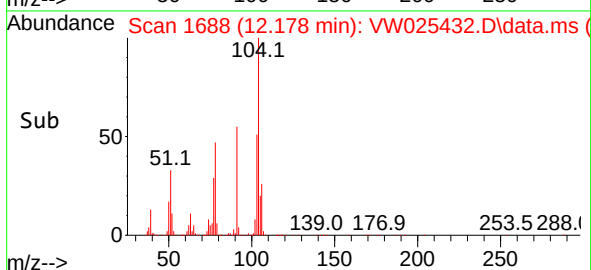
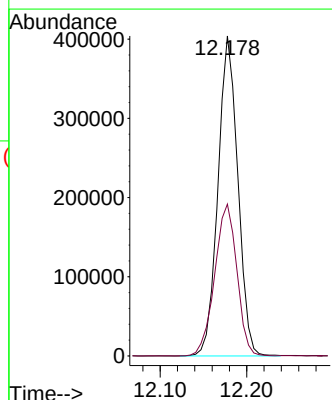
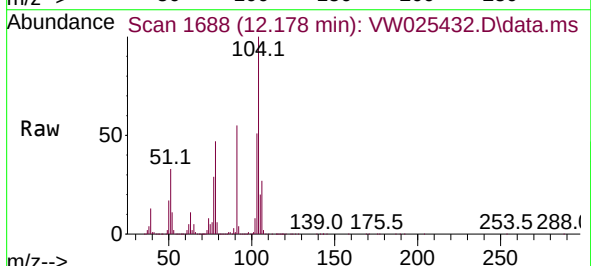
Acq: 20 Mar 2023 10:51

Tgt Ion:104 Resp: 643614

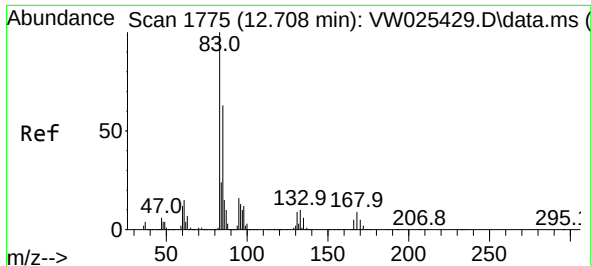
Ion Ratio Lower Upper

104 100

78 47.4 31.1 57.9







#57

1,1,2,2-Tetrachloroethane

Concen: 32.219 ug/L

RT: 12.714 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

EYGA2MS

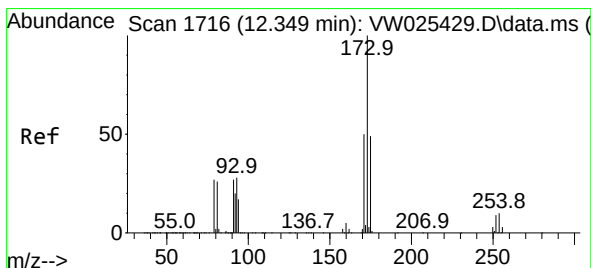
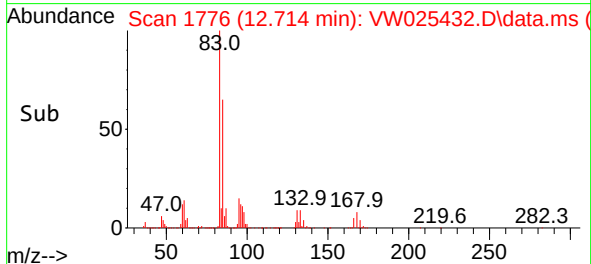
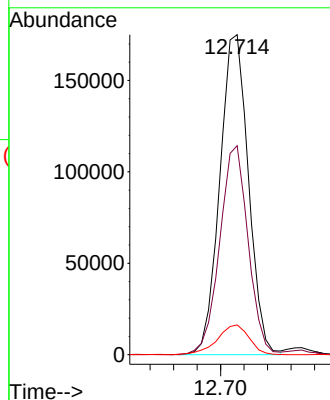
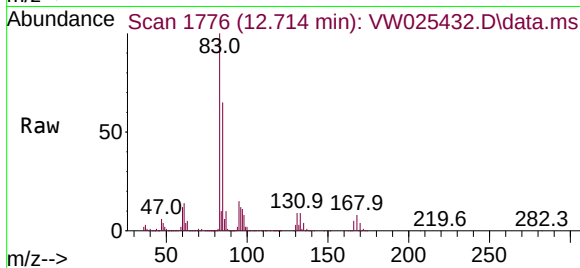
Tgt Ion: 83 Resp: 296442

Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.2

131 9.3 8.0 12.0



#59

Bromoform

Concen: 36.089 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

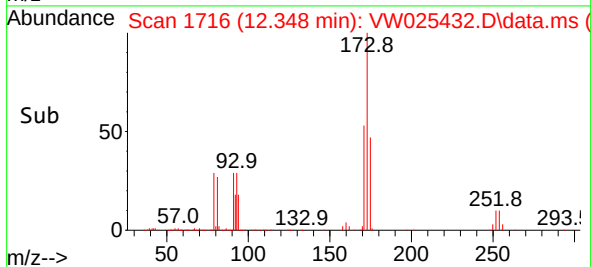
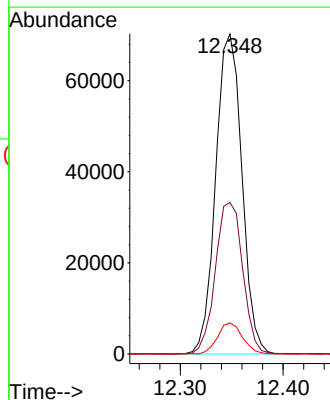
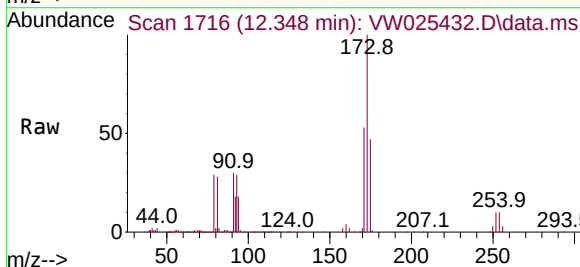
Tgt Ion: 173 Resp: 124319

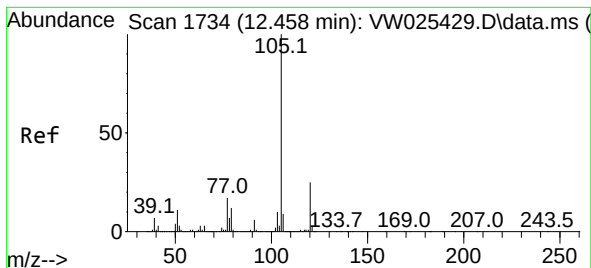
Ion Ratio Lower Upper

173 100

175 49.4 38.6 57.8

254 9.2 7.9 11.9





#60

Isopropylbenzene

Concen: 29.855 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

EYGA2MS

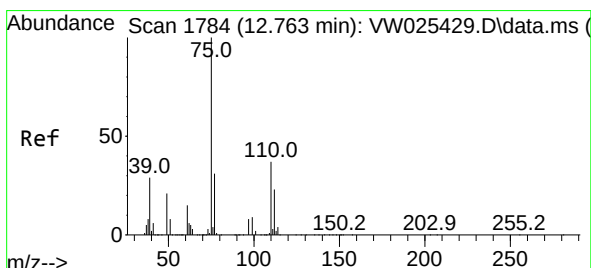
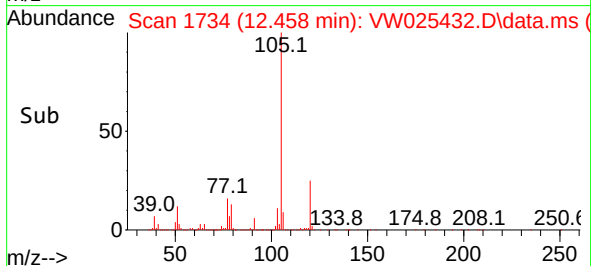
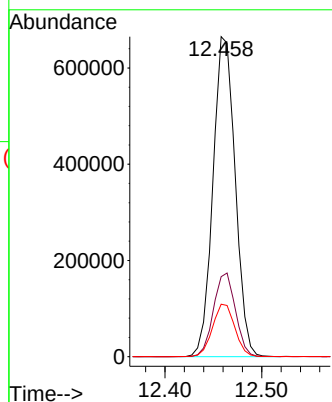
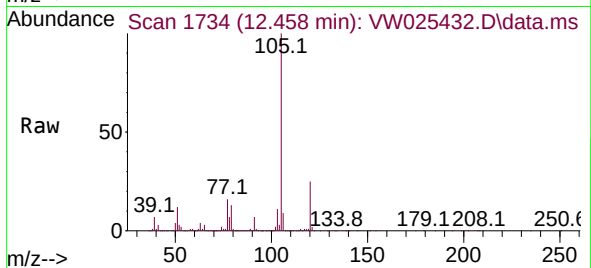
Tgt Ion:105 Resp: 1062628

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

77 16.4 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 42.931 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

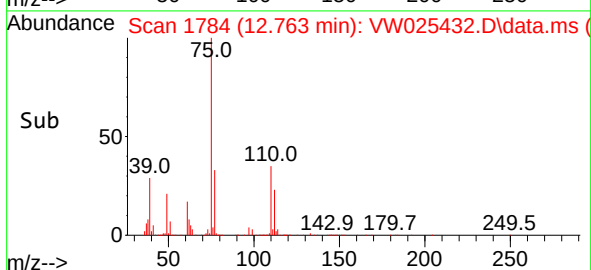
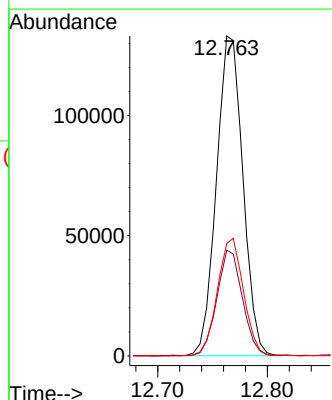
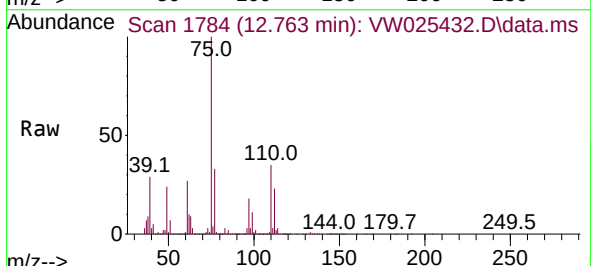
Tgt Ion: 75 Resp: 223332

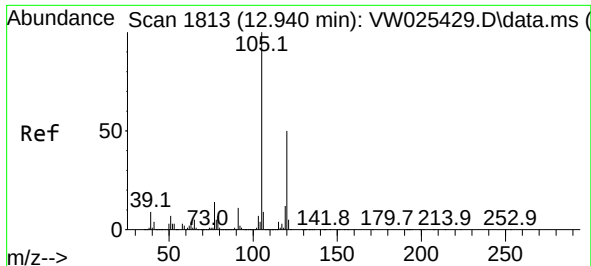
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

110 36.3 28.9 43.3

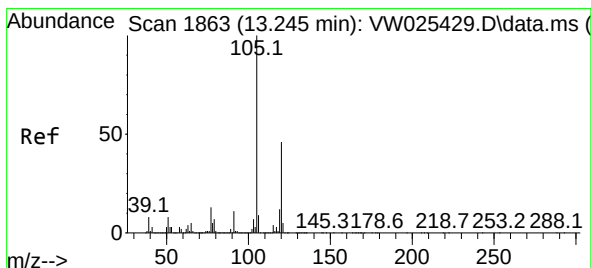
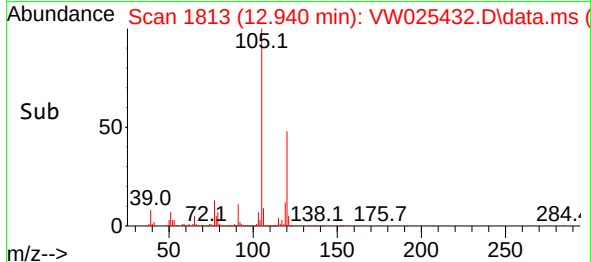
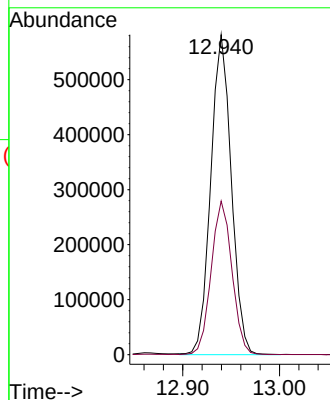
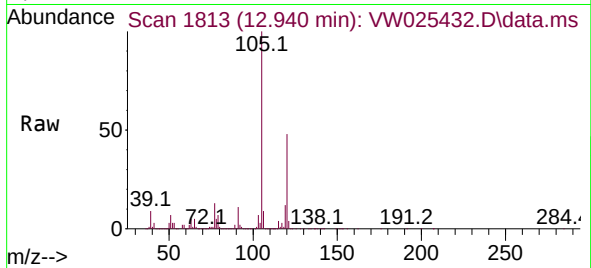




#62  
1,3,5-Trimethylbenzene  
Concen: 30.440 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

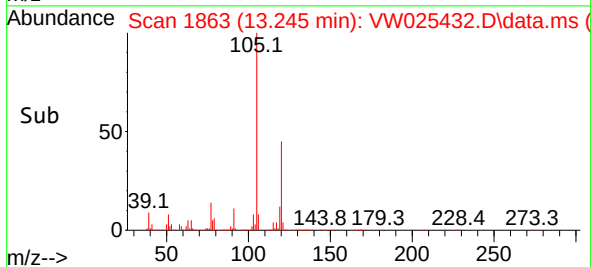
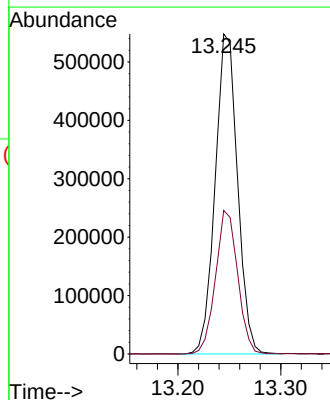
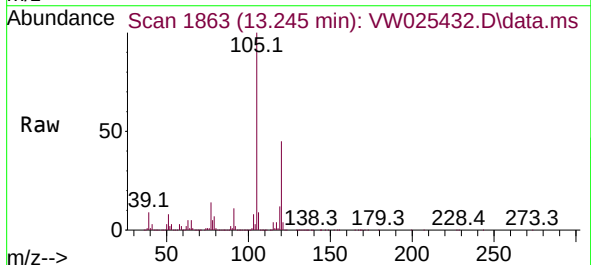
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

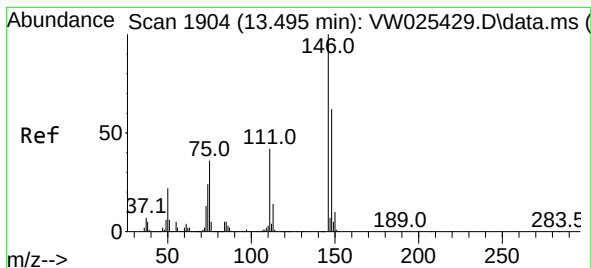
Tgt Ion:105 Resp: 858094  
Ion Ratio Lower Upper  
105 100  
120 48.5 39.3 58.9



#63  
1,2,4-Trimethylbenzene  
Concen: 29.771 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion:105 Resp: 826746  
Ion Ratio Lower Upper  
105 100  
120 44.5 36.0 54.0

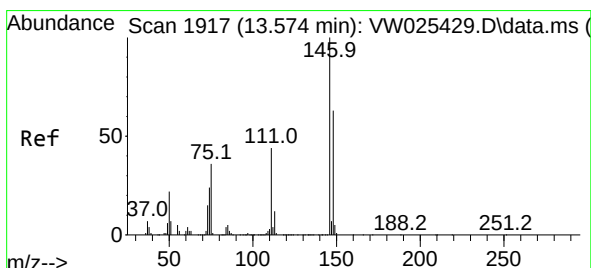
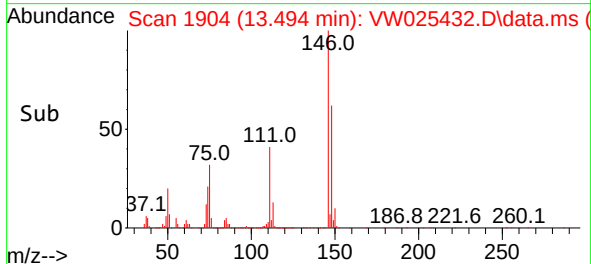
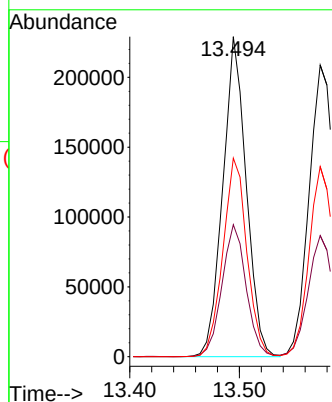
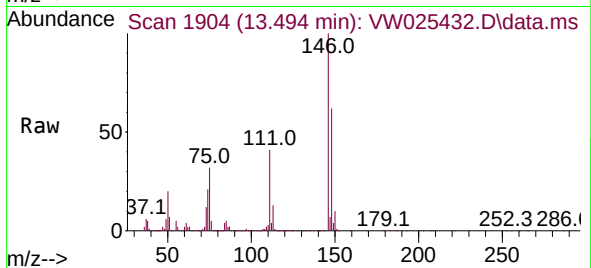




#64  
1,3-Dichlorobenzene  
Concen: 22.568 ug/L  
RT: 13.494 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

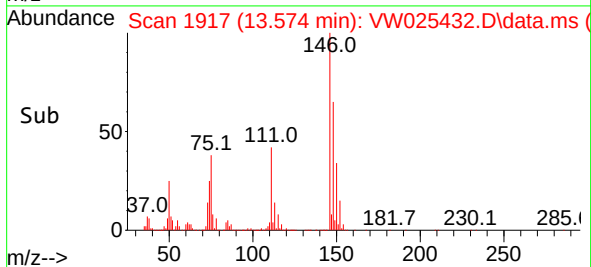
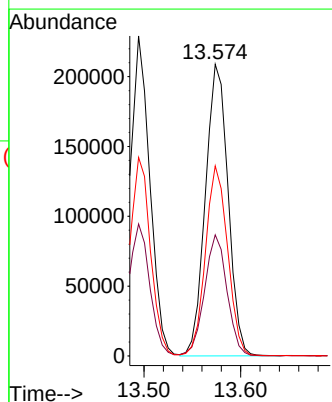
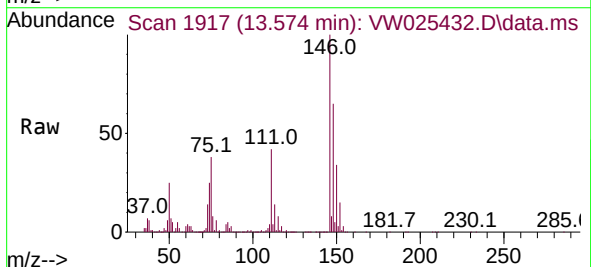
Instrument :  
MSVOA\_W  
ClientSampleId :  
EYGA2MS

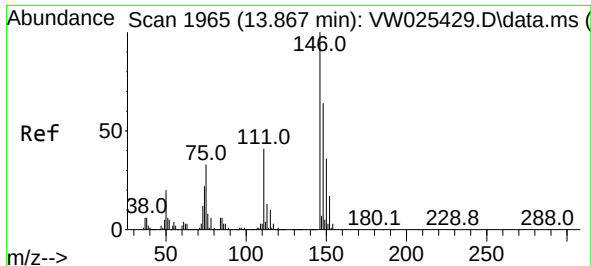
Tgt Ion:146 Resp: 340379  
Ion Ratio Lower Upper  
146 100  
111 41.2 29.7 55.1  
148 62.1 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 22.038 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW025432.D  
Acq: 20 Mar 2023 10:51

Tgt Ion:146 Resp: 340941  
Ion Ratio Lower Upper  
146 100  
111 41.5 28.2 52.4  
148 65.2 39.8 73.8





#67

1,2-Dichlorobenzene

Concen: 26.057 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

EYGA2MS

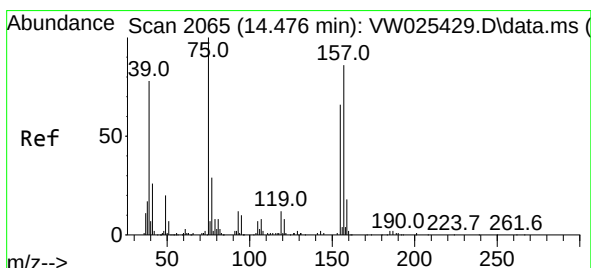
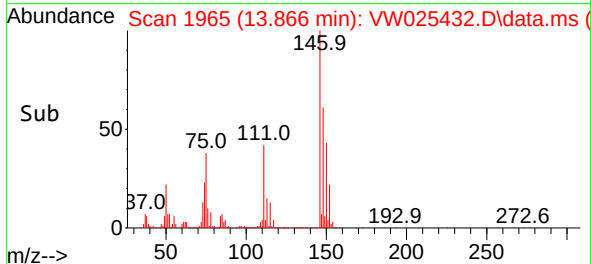
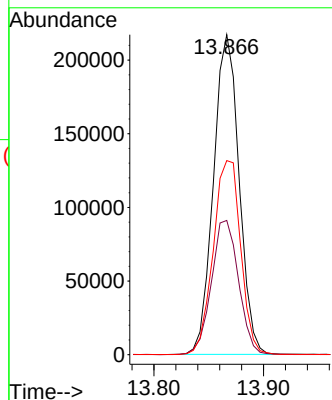
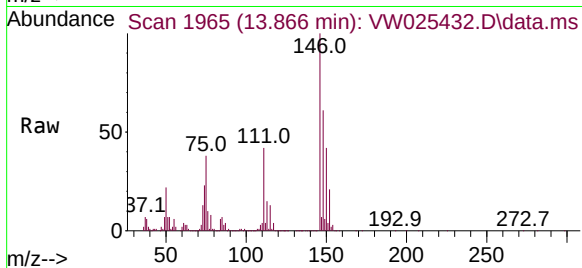
Tgt Ion:146 Resp: 352480

Ion Ratio Lower Upper

146 100

111 42.0 36.6 54.8

148 60.6 53.4 80.2



#68

1,2-Dibromo-3-chloropropane

Concen: 40.339 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

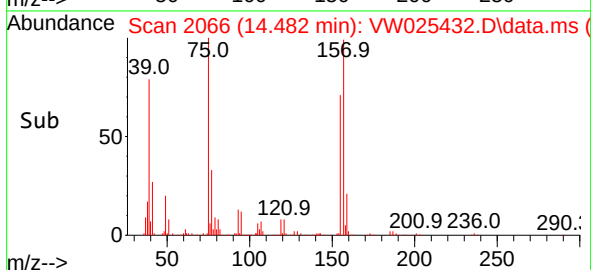
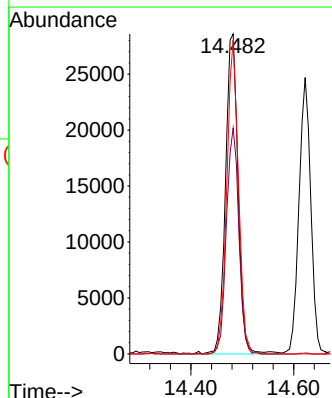
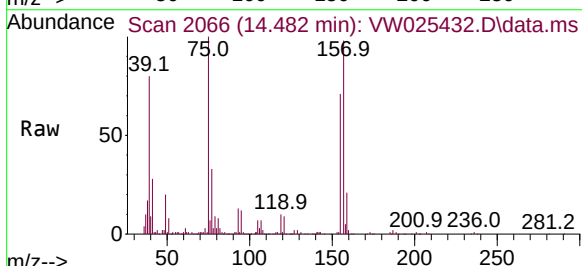
Tgt Ion: 75 Resp: 48581

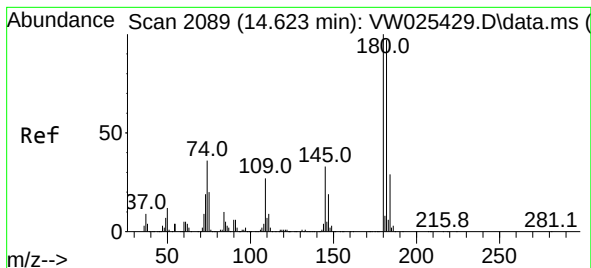
Ion Ratio Lower Upper

75 100

155 70.6 55.4 83.0

157 98.1 75.3 112.9





#69

1,3,5-Trichlorobenzene

Concen: 18.503 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

EYGA2MS

Tgt Ion:180 Resp: 189697

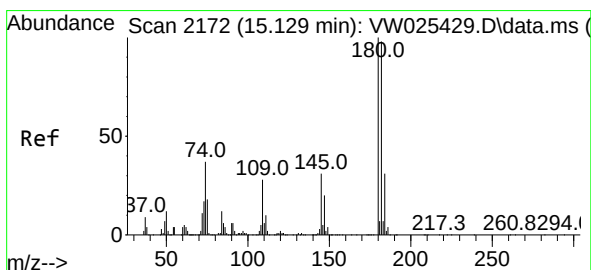
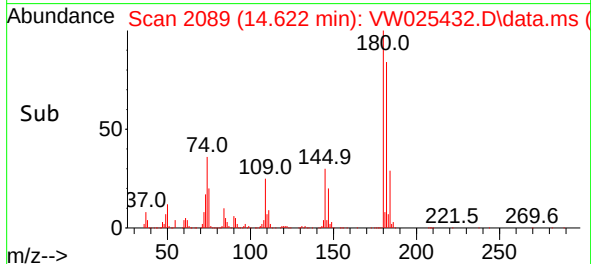
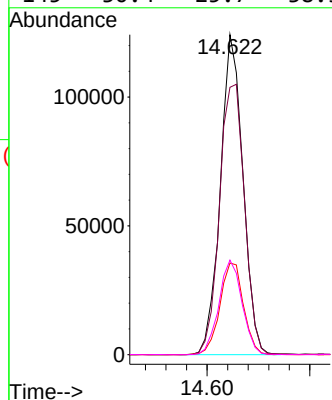
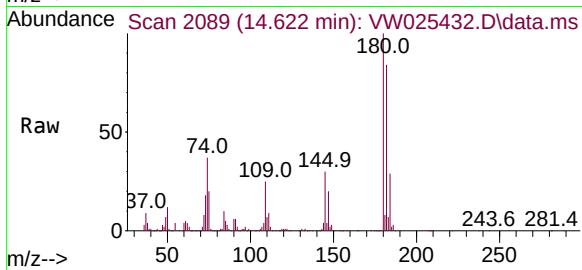
Ion Ratio Lower Upper

180 100

182 93.3 77.1 115.7

184 29.9 24.7 37.1

145 30.4 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 16.986 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

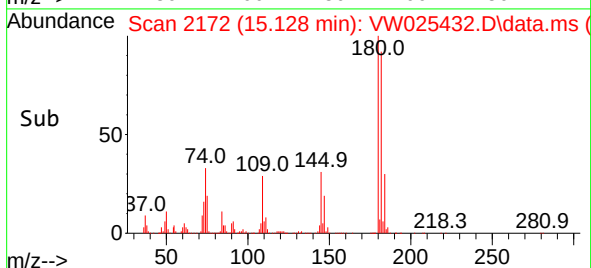
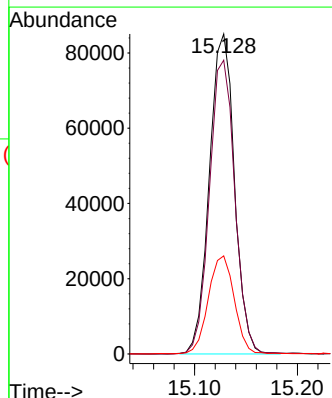
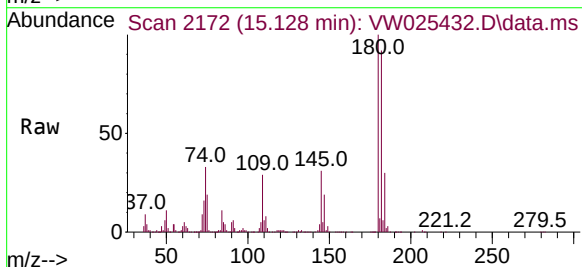
Tgt Ion:180 Resp: 144394

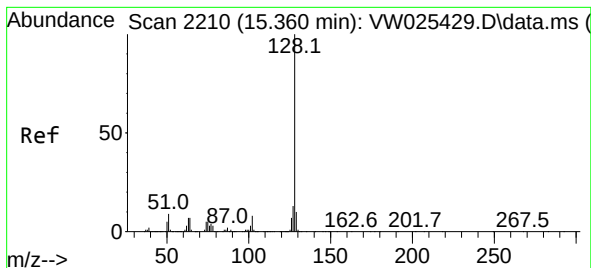
Ion Ratio Lower Upper

180 100

182 92.7 75.5 113.3

145 31.6 25.2 37.8





#71

Naphthalene

Concen: 29.659 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Instrument :

MSVOA\_W

ClientSampleId :

EYGA2MS

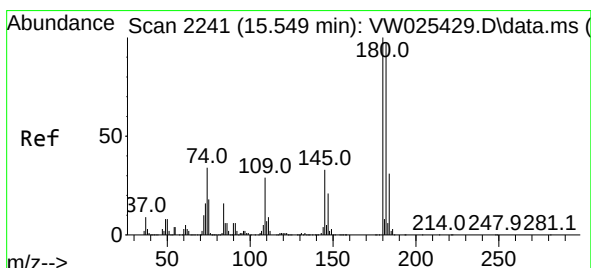
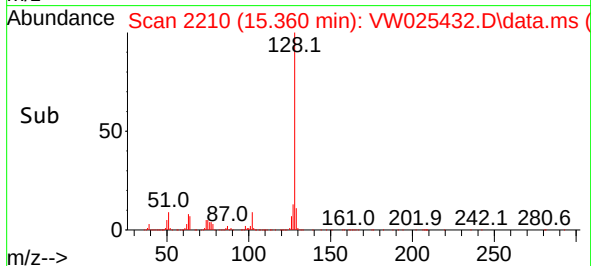
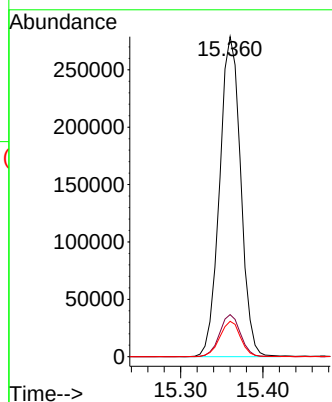
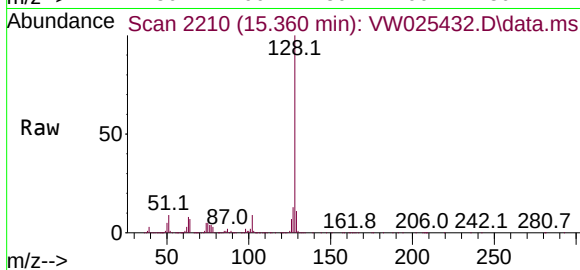
Tgt Ion:128 Resp: 497669

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 19.719 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025432.D

Acq: 20 Mar 2023 10:51

Tgt Ion:180 Resp: 150556

Ion Ratio Lower Upper

180 100

182 91.9 76.6 114.8

145 34.0 27.7 41.5

