

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101022\  
 Data File : VW024836.D  
 Acq On : 11 Oct 2022 04:12  
 Operator : SY/VA  
 Sample : N5064-12  
 Misc : 5.62g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025592

Quant Time: Oct 11 06:38:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 07 03:04:02 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 504635   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 465278   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 222461   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 136045   | 25.767   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 103.080% |
| 7) Chloroethane-d5            | 2.885  | 69    | 75554    | 24.625   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 286231   | 23.423   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.680%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 91853    | 48.389   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.780%  |
| 24) Chloroform-d              | 7.647  | 84    | 340643   | 25.250   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.000% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 178092   | 25.448   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 101.800% |
| 32) Benzene-d6                | 8.275  | 84    | 705968   | 23.739   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 94.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 215058   | 23.668   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 94.680%  |
| 41) Toluene-d8                | 10.323 | 98    | 631071   | 23.743   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.960%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 80856    | 19.982   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 79.920%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 73005    | 46.959   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 93.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 160204   | 24.745   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 98.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 193109   | 24.669   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.680%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 38854    | 12.541   | ug/L   | 94       |
| 3) Chloromethane              | 2.215  | 50    | 111775   | 18.526   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.361  | 62    | 158835   | 25.605   | ug/L   | 97       |
| 6) Bromomethane               | 2.776  | 94    | 73715    | 25.748   | ug/L   | 97       |
| 8) Chloroethane               | 2.916  | 64    | 62594    | 23.934   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 70906    | 20.431   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 163984   | 24.774   | ug/L # | 77       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 157375   | 23.839   | ug/L   | 92       |
| 13) Acetone                   | 4.123  | 43    | 58605    | 42.316   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.385  | 76    | 469992   | 22.552   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 77366    | 25.228   | ug/L   | 98       |
| 16) Methylene chloride        | 4.916  | 84    | 208248   | 21.013   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 176804   | 23.836   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 278896   | 23.714   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 339703   | 24.479   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 200082   | 25.140   | ug/L   | 96       |
| 22) 2-Butanone                | 7.171  | 43    | 105005   | 47.401   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.513  | 128   | 82582    | 25.530   | ug/L   | 96       |
| 25) Chloroform                | 7.677  | 83    | 336719   | 25.588   | ug/L   | 94       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 07 03:04:02 2022  
 Response via : Initial Calibration

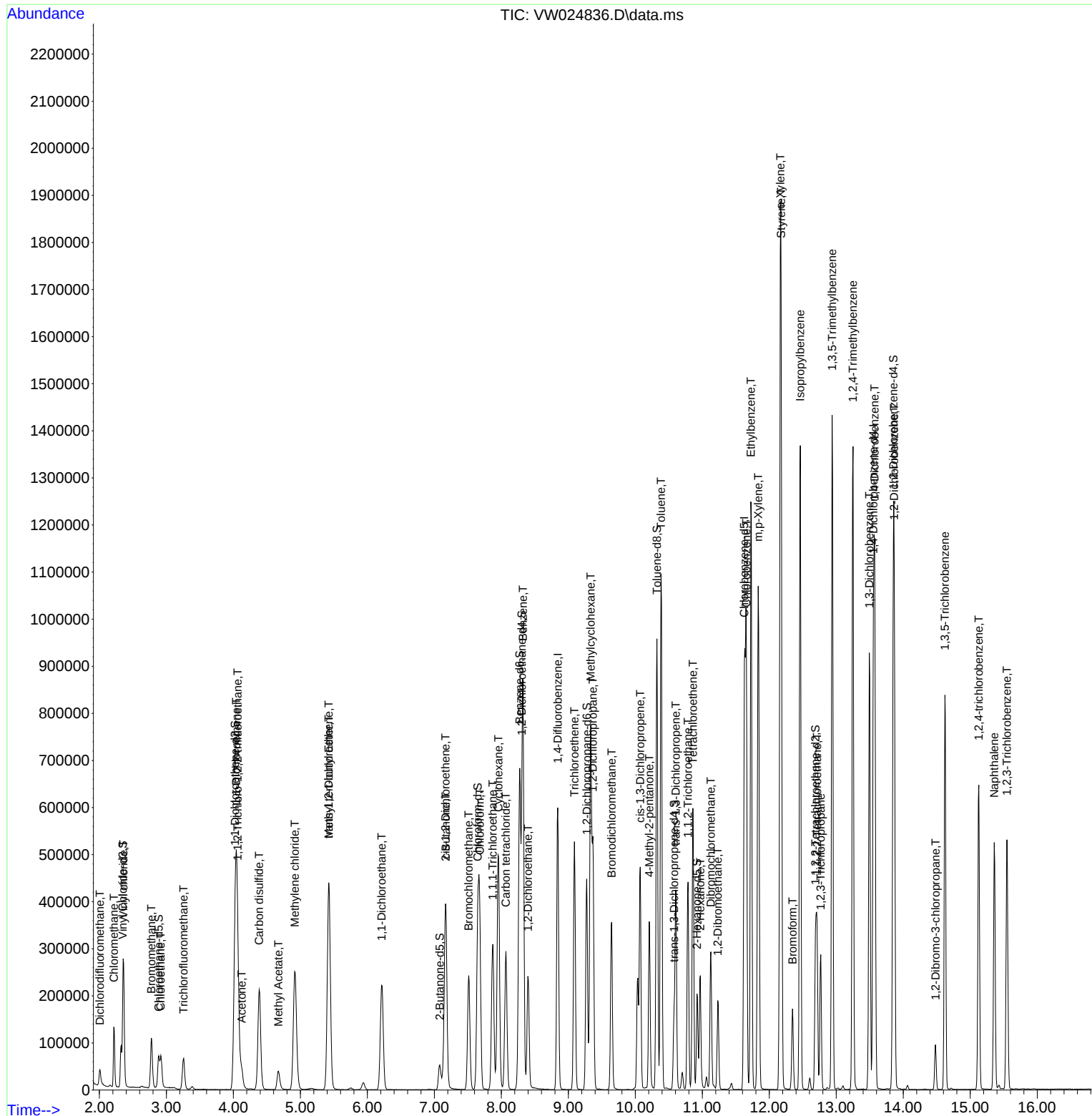
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 217211   | 26.232 | ug/L  | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 296295   | 20.446 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 254128   | 22.572 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 214850   | 22.535 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 771867   | 23.702 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 189981   | 23.017 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 313648   | 20.729 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 196396   | 24.429 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 247242   | 25.001 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 283384   | 22.290 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 234802   | 49.342 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 798678   | 23.749 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 233261   | 21.400 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 141445   | 25.758 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 124788   | 22.251 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.969 | 43   | 158471   | 49.248 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 152864   | 24.721 | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 127462   | 24.522 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 493205   | 23.953 | ug/L  | 95       |
| 52) Ethylbenzene              | 11.725 | 91   | 892473   | 24.094 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 340319   | 23.528 | ug/L  | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 332802   | 24.364 | ug/L  | 99       |
| 55) Styrene                   | 12.176 | 104  | 578209   | 25.110 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 167976   | 26.125 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 77371    | 24.605 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 884615   | 24.398 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 122934   | 25.654 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 766344   | 24.318 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 759425   | 24.599 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 364623   | 24.754 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 368664   | 25.710 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 327162   | 25.500 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 25921    | 22.874 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 237098   | 24.242 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 195438   | 23.786 | ug/L  | 92       |
| 71) Naphthalene               | 15.359 | 128  | 433664   | 24.240 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 161548   | 23.102 | ug/L  | 98       |

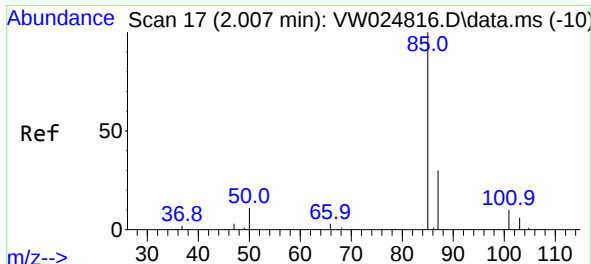
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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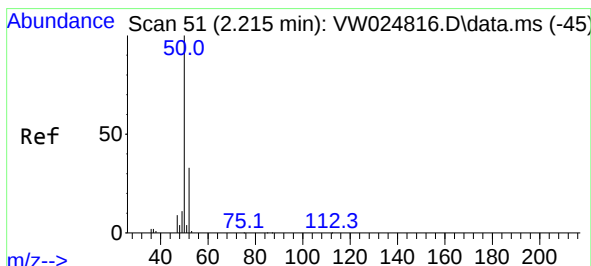
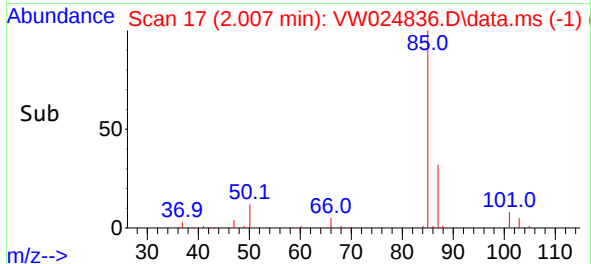
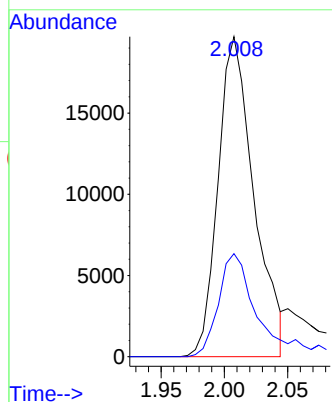
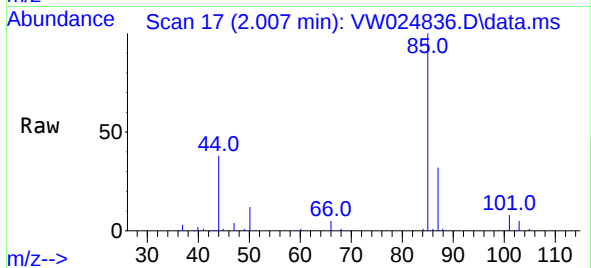




#2  
Dichlorodifluoromethane  
Concen: 12.541 ug/L  
RT: 2.007 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

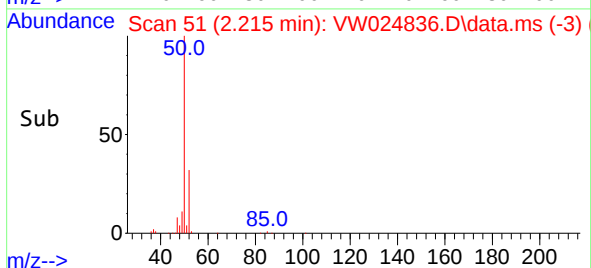
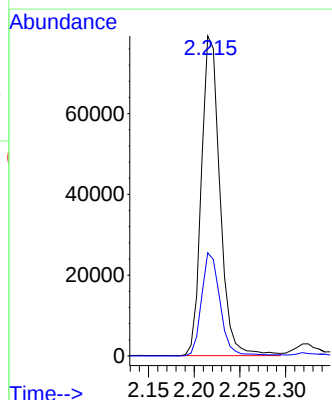
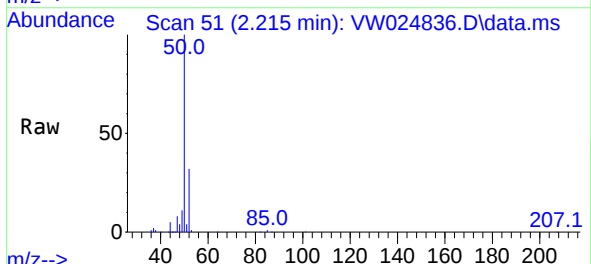
Instrument : MSVOA\_W  
ClientSampleId : VSTD025592

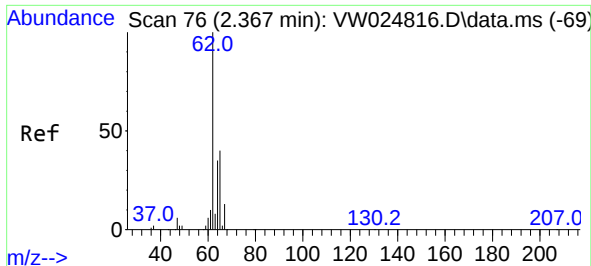
Tgt Ion: 85 Resp: 38854  
Ion Ratio Lower Upper  
85 100  
87 32.2 28.8 43.2



#3  
Chloromethane  
Concen: 18.526 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 50 Resp: 111775  
Ion Ratio Lower Upper  
50 100  
52 32.2 21.7 40.3

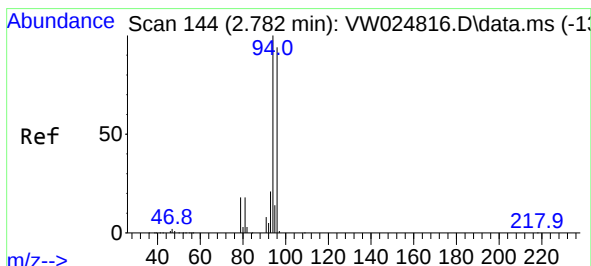
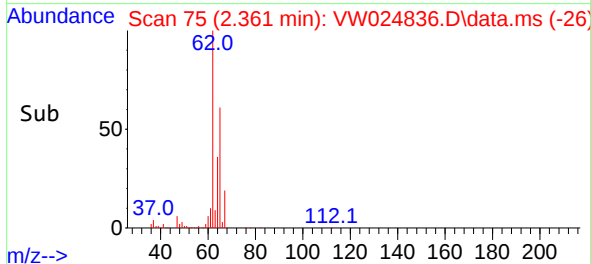
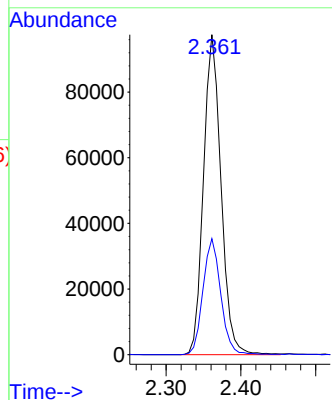
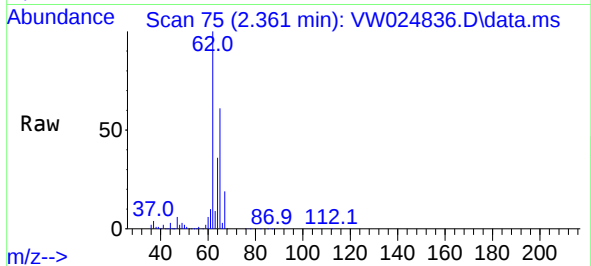




#5  
 Vinyl chloride  
 Concen: 25.605 ug/L  
 RT: 2.361 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VW024836.D  
 Acq: 11 Oct 2022 04:12

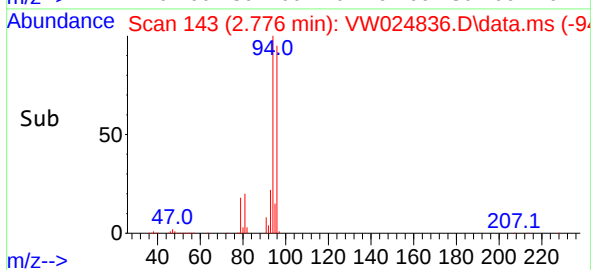
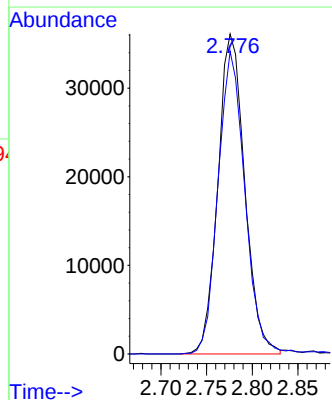
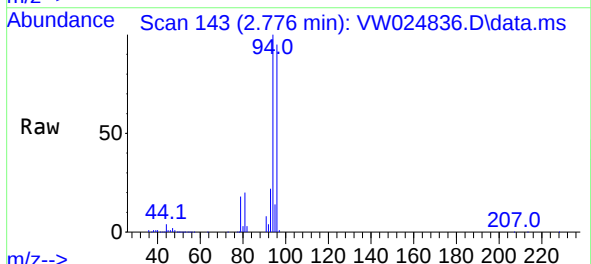
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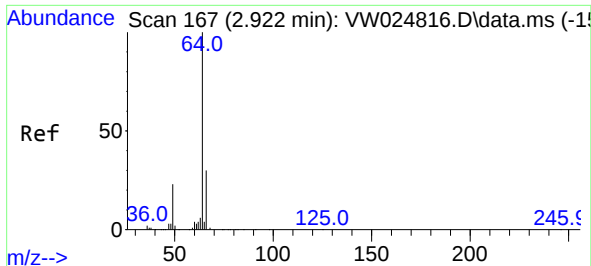
Tgt Ion: 62 Resp: 158835  
 Ion Ratio Lower Upper  
 62 100  
 64 36.3 24.4 45.2



#6  
 Bromomethane  
 Concen: 25.748 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. -0.000 min  
 Lab File: VW024836.D  
 Acq: 11 Oct 2022 04:12

Tgt Ion: 94 Resp: 73715  
 Ion Ratio Lower Upper  
 94 100  
 96 94.6 68.0 126.2

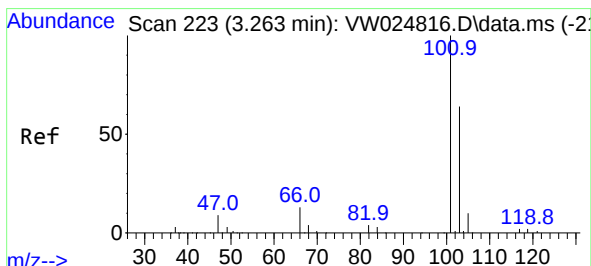
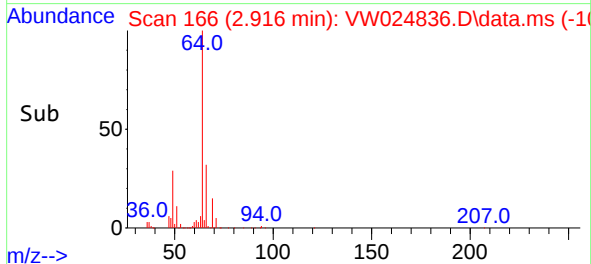
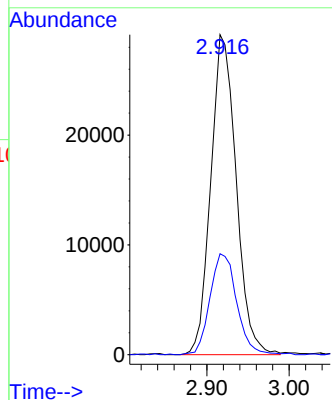
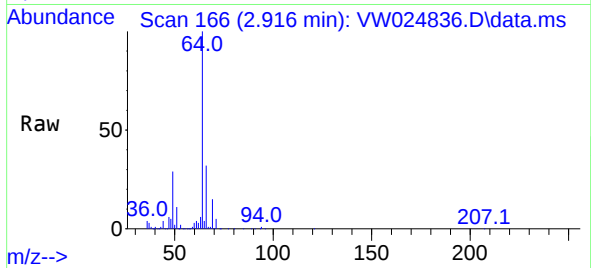




#8  
Chloroethane  
Concen: 23.934 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

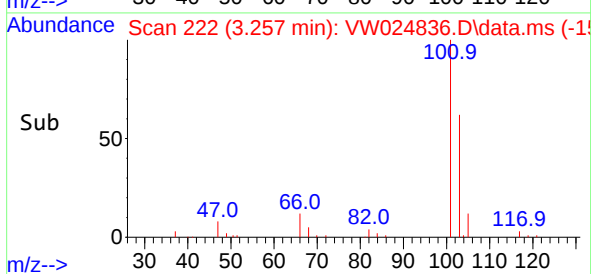
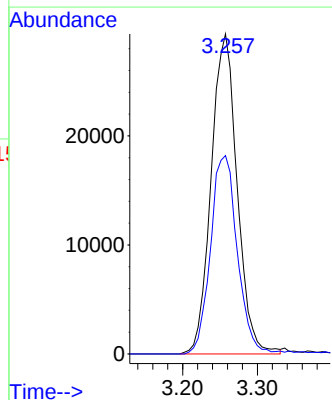
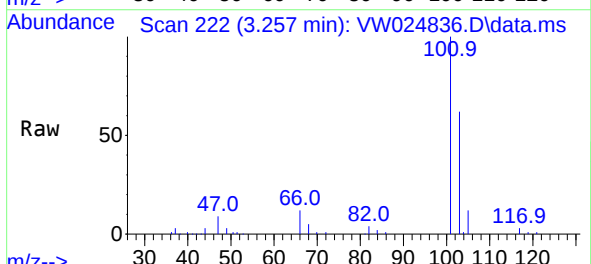
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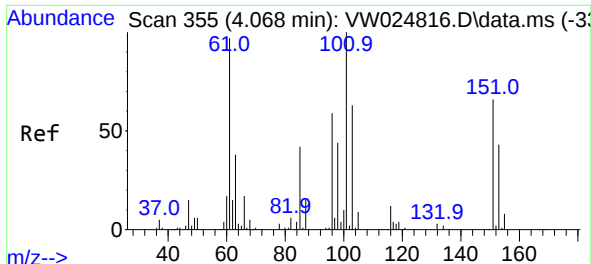
Tgt Ion: 64 Resp: 62594  
Ion Ratio Lower Upper  
64 100  
66 31.6 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 20.431 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 101 Resp: 70906  
Ion Ratio Lower Upper  
101 100  
103 63.5 53.4 80.2

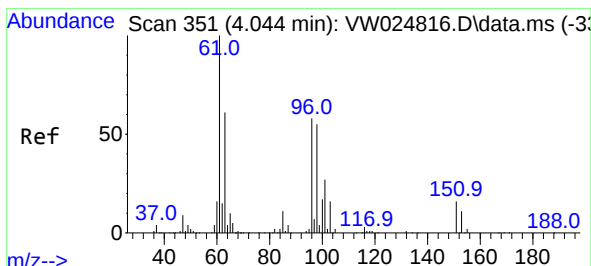
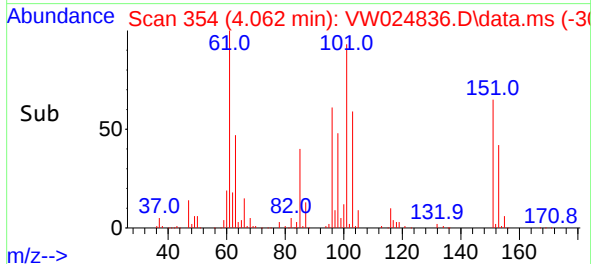
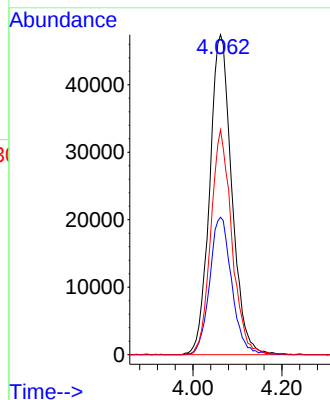
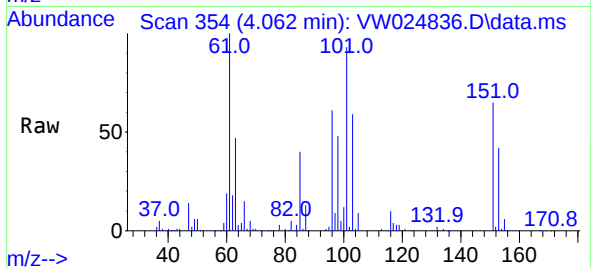




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.774 ug/L  
 RT: 4.062 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VW024836.D  
 Acq: 11 Oct 2022 04:12

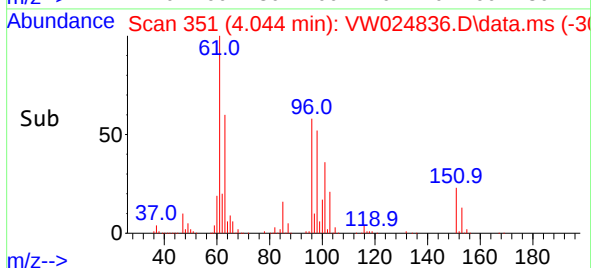
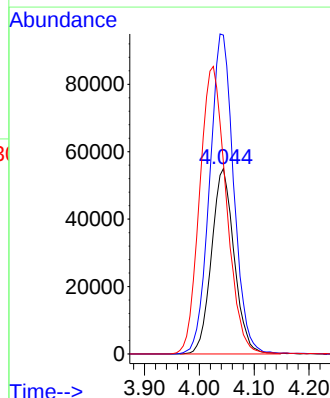
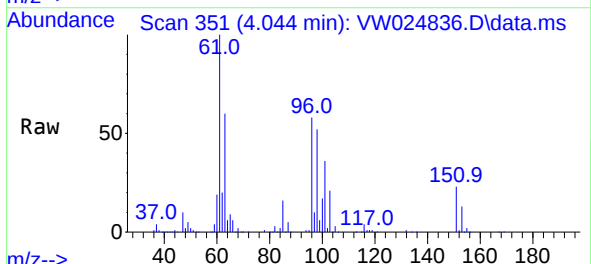
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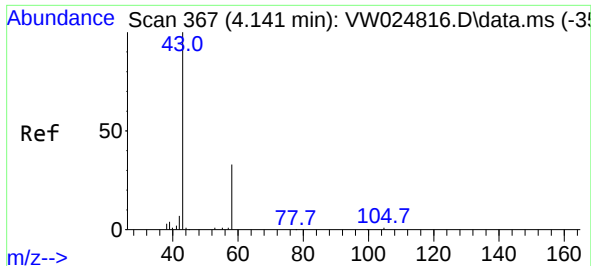
Tgt Ion:101 Resp: 163984  
 Ion Ratio Lower Upper  
 101 100  
 85 42.6 34.9 52.3  
 151 67.0 30.9 46.3#



#12  
 1,1-Dichloroethene  
 Concen: 23.839 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. -0.000 min  
 Lab File: VW024836.D  
 Acq: 11 Oct 2022 04:12

Tgt Ion: 96 Resp: 157375  
 Ion Ratio Lower Upper  
 96 100  
 61 172.1 124.5 231.1  
 63 103.4 84.1 156.1

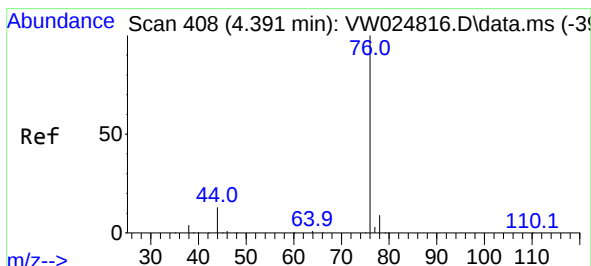
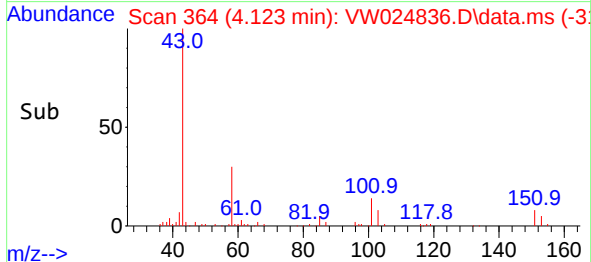
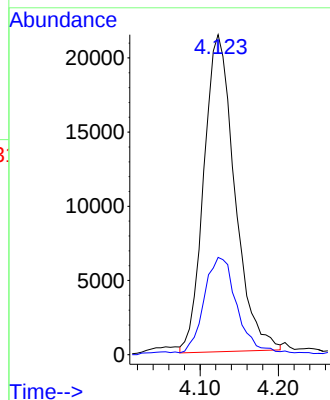
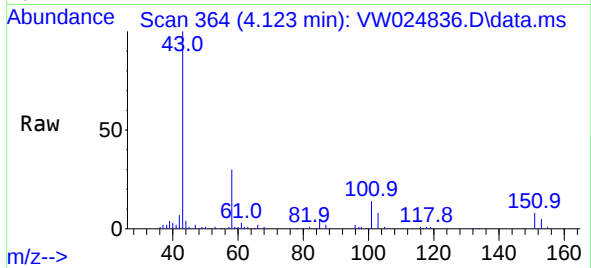




#13  
Acetone  
Concen: 42.316 ug/L  
RT: 4.123 min Scan# 307  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

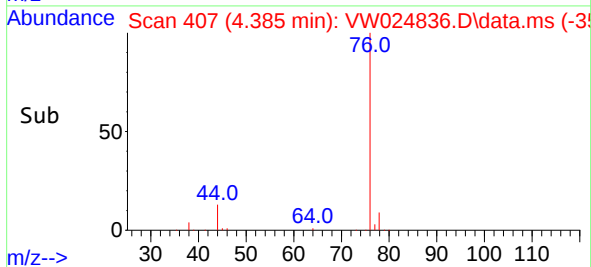
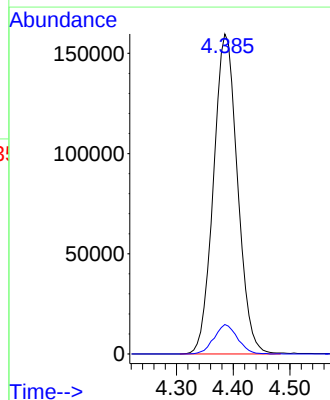
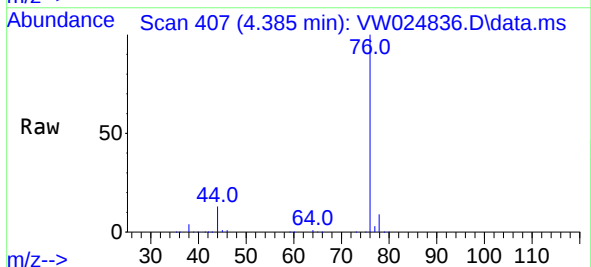
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

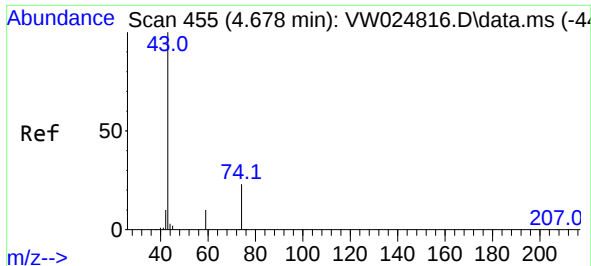
Tgt Ion: 43 Resp: 58605  
Ion Ratio Lower Upper  
43 100  
58 31.5 0.0 67.6



#14  
Carbon disulfide  
Concen: 22.552 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 76 Resp: 469992  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8

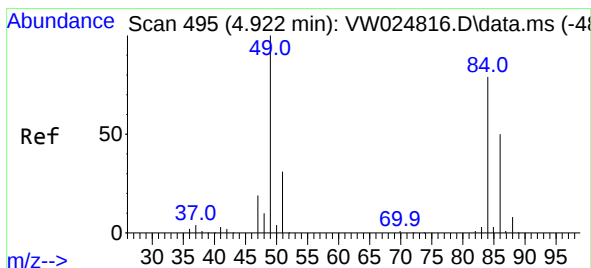
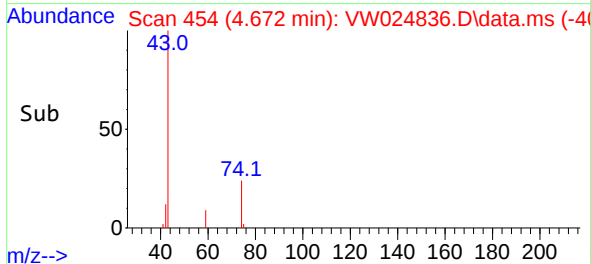
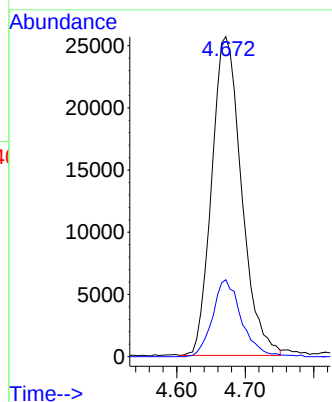
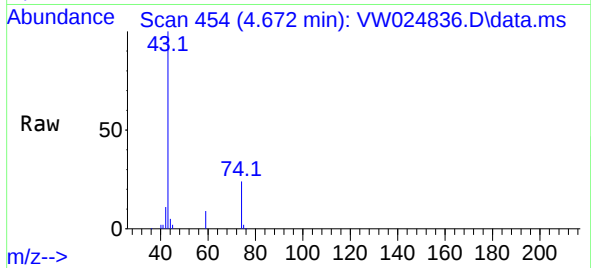




#15  
Methyl Acetate  
Concen: 25.228 ug/L  
RT: 4.672 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

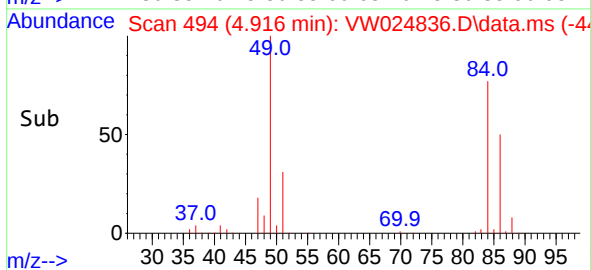
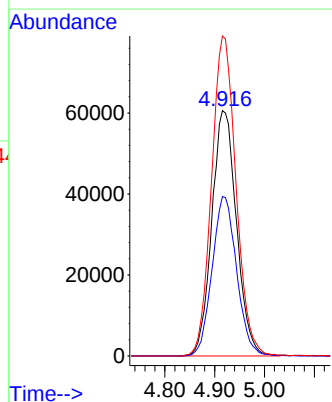
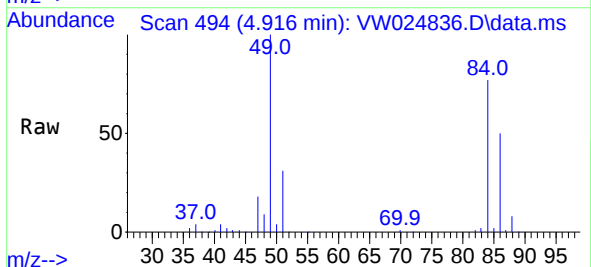
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

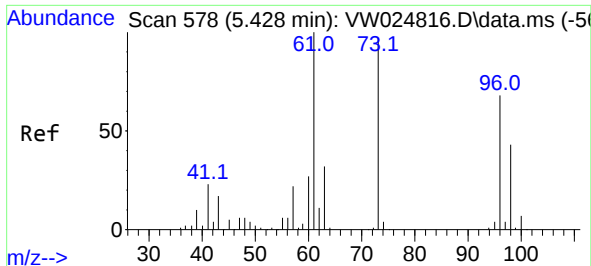
Tgt Ion: 43 Resp: 77366  
Ion Ratio Lower Upper  
43 100  
74 23.4 18.1 27.1



#16  
Methylene chloride  
Concen: 21.013 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 84 Resp: 208248  
Ion Ratio Lower Upper  
84 100  
86 65.0 44.0 81.8  
49 130.5 87.4 162.2

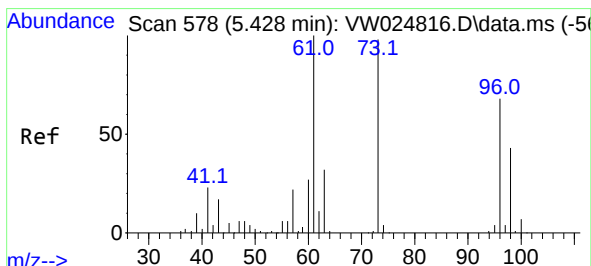
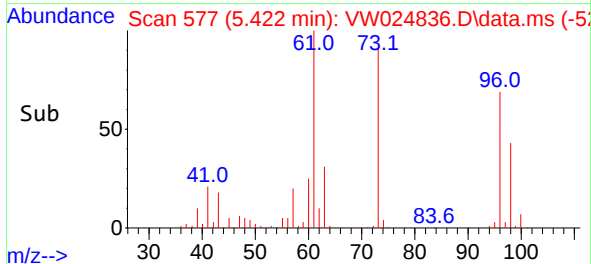
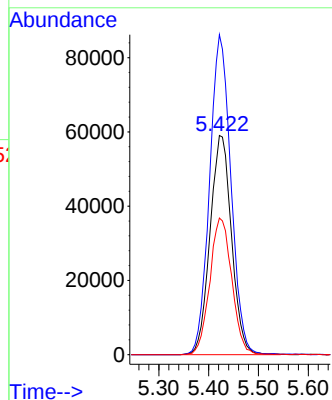
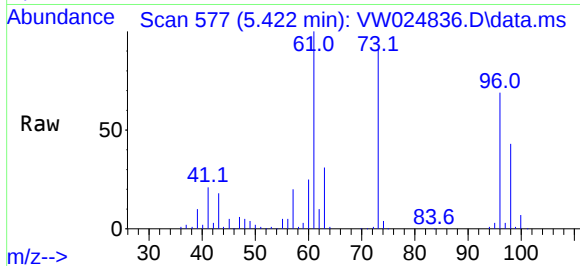




#17  
trans-1,2-Dichloroethene  
Concen: 23.836 ug/L  
RT: 5.422 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

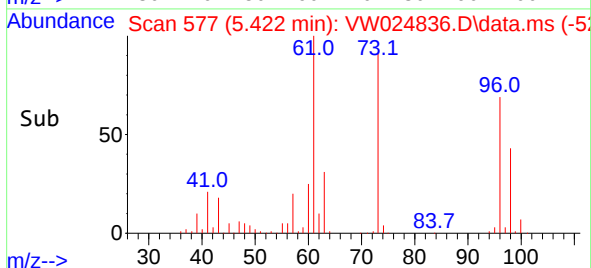
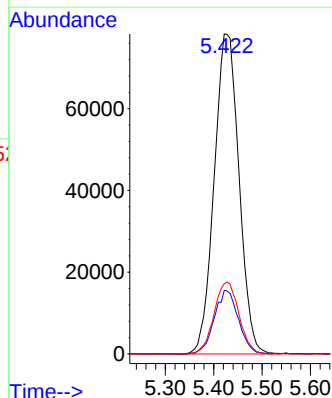
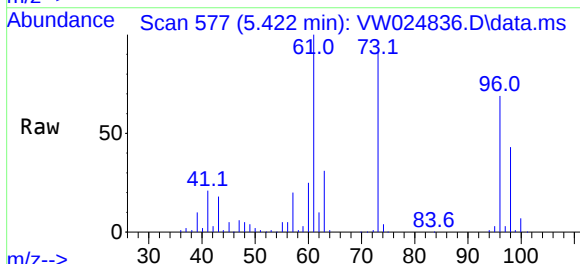
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

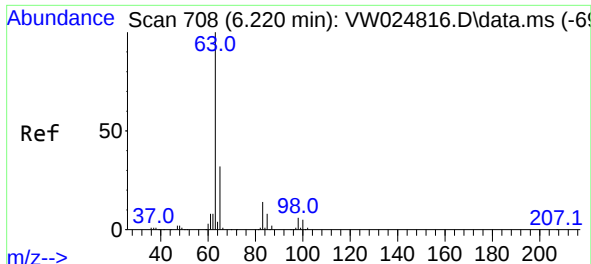
Tgt Ion: 96 Resp: 176804  
Ion Ratio Lower Upper  
96 100  
61 146.0 106.3 197.5  
98 62.4 45.1 83.9



#18  
Methyl tert-butyl Ether  
Concen: 23.714 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 73 Resp: 278896  
Ion Ratio Lower Upper  
73 100  
43 19.4 15.6 23.4  
57 22.5 18.3 27.5





#19

1,1-Dichloroethane

Concen: 24.479 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW024836.D

Acq: 11 Oct 2022 04:12

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025592

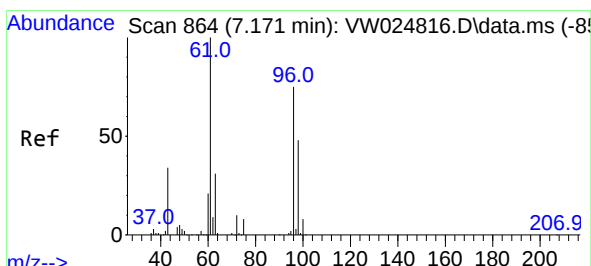
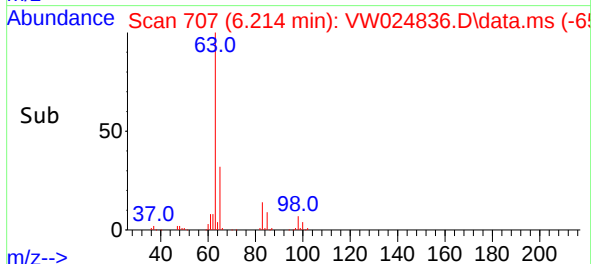
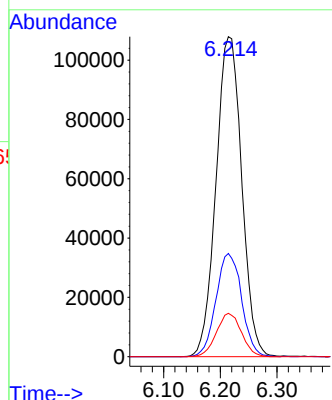
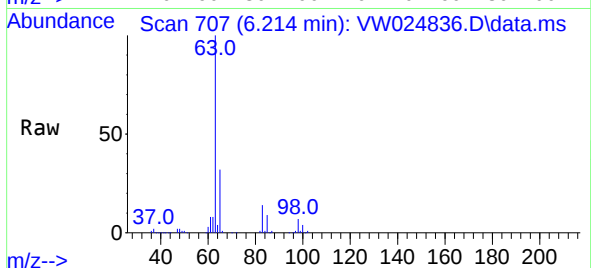
Tgt Ion: 63 Resp: 339703

Ion Ratio Lower Upper

63 100

65 32.2 23.7 43.9

83 13.5 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 25.140 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.000 min

Lab File: VW024836.D

Acq: 11 Oct 2022 04:12

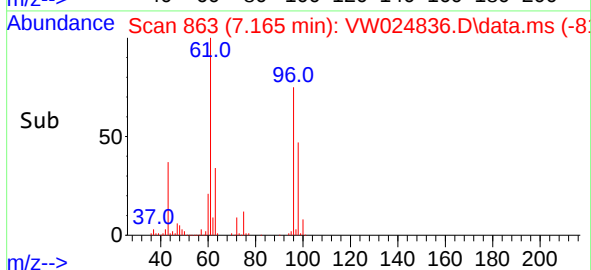
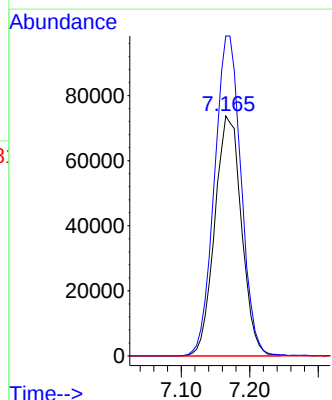
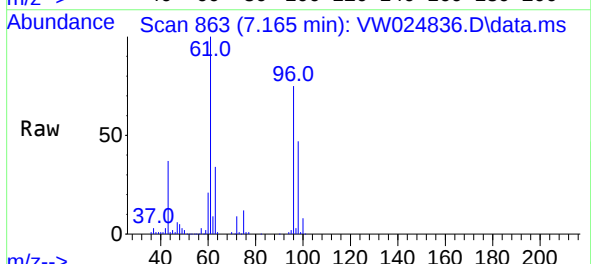
Tgt Ion: 96 Resp: 200082

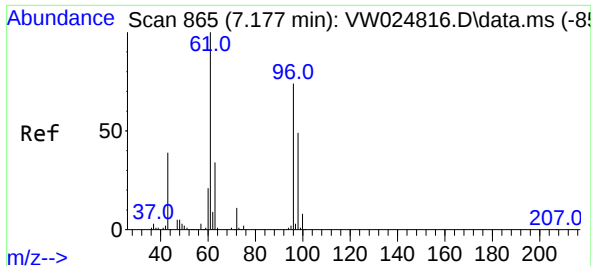
Ion Ratio Lower Upper

96 100

61 133.4 90.2 167.4

68 0.0 0.0 0.0

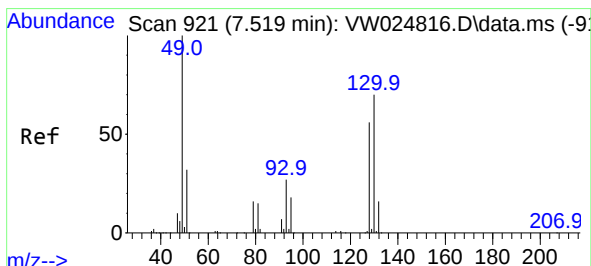
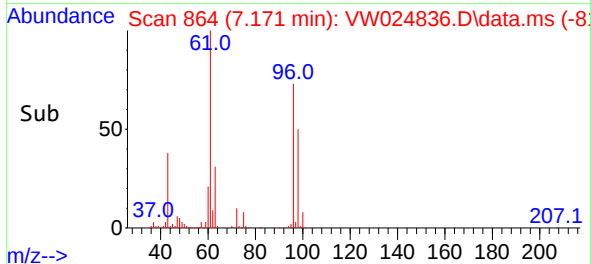
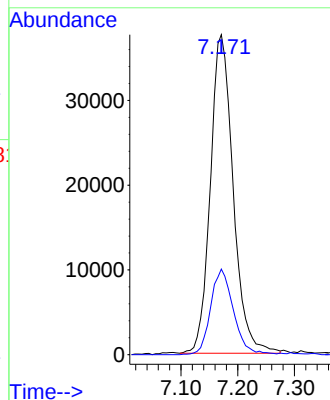
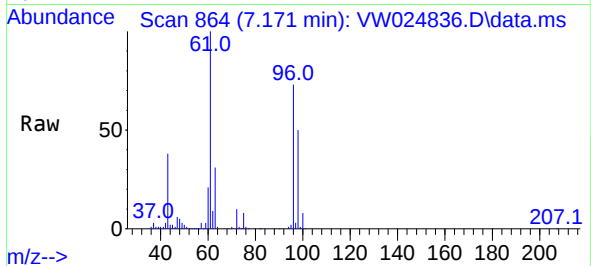




#22  
2-Butanone  
Concen: 47.401 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

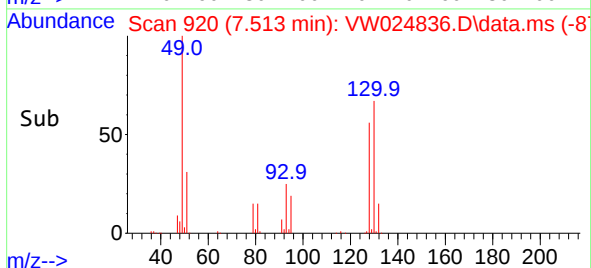
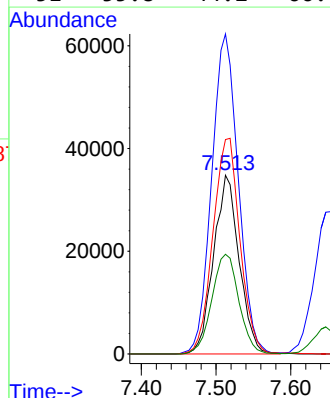
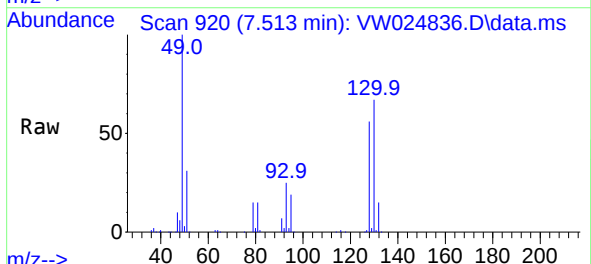
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

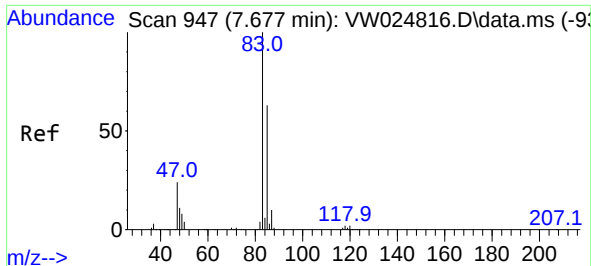
Tgt Ion: 43 Resp: 105005  
Ion Ratio Lower Upper  
43 100  
72 26.8 13.8 41.3



#23  
Bromochloromethane  
Concen: 25.530 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 128 Resp: 82582  
Ion Ratio Lower Upper  
128 100  
49 179.1 127.3 236.3  
130 120.0 90.2 167.4  
51 55.8 44.2 66.4

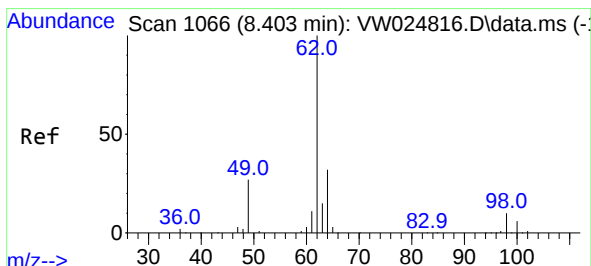
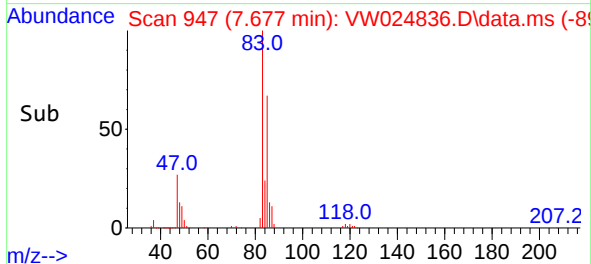
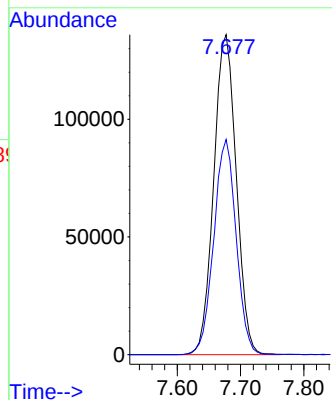
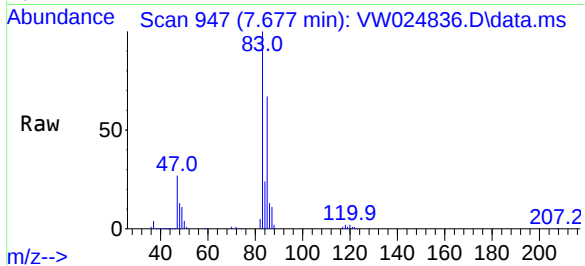




#25  
Chloroform  
Concen: 25.588 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

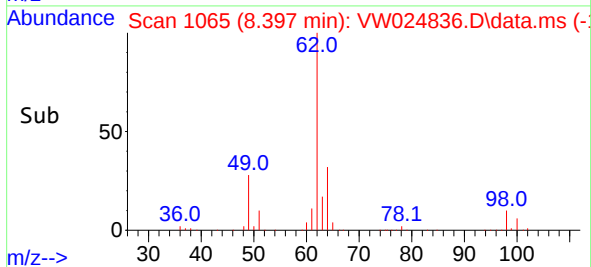
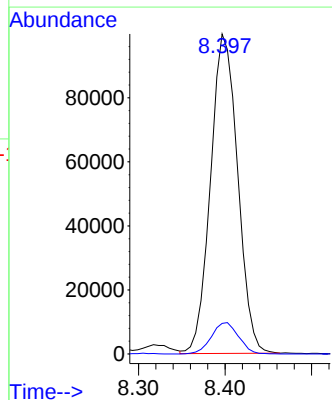
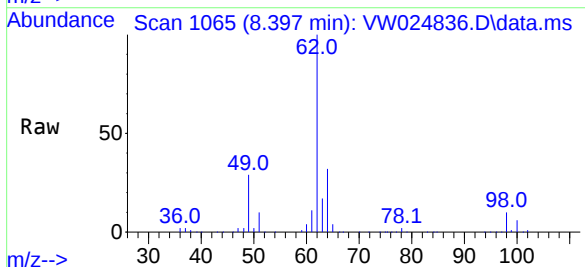
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

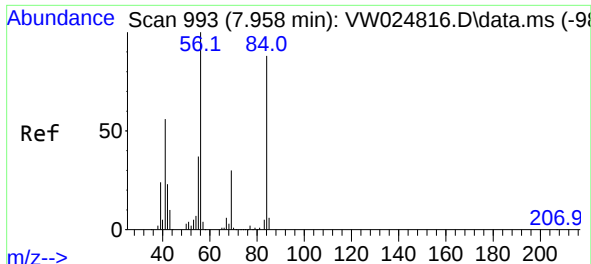
Tgt Ion: 83 Resp: 336719  
Ion Ratio Lower Upper  
83 100  
85 67.2 44.0 81.8



#27  
1,2-Dichloroethane  
Concen: 26.232 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 62 Resp: 217211  
Ion Ratio Lower Upper  
62 100  
98 9.5 7.8 11.8





#29

Cyclohexane

Concen: 20.446 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.006 min

Lab File: VW024836.D

Acq: 11 Oct 2022 04:12

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025592

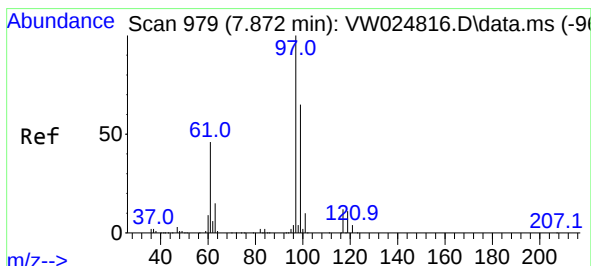
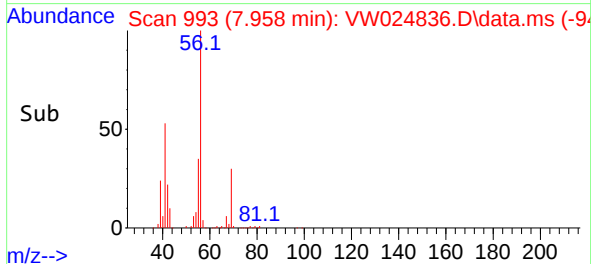
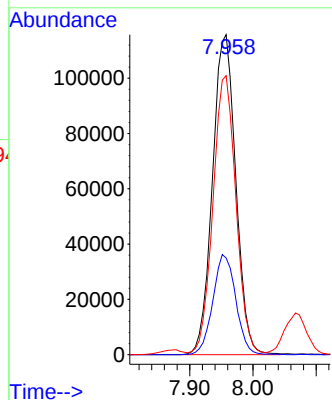
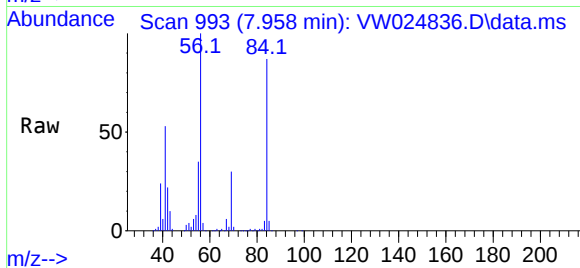
Tgt Ion: 56 Resp: 296295

Ion Ratio Lower Upper

56 100

69 30.6 25.0 37.4

84 85.7 68.1 102.1



#30

1,1,1-Trichloroethane

Concen: 22.572 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW024836.D

Acq: 11 Oct 2022 04:12

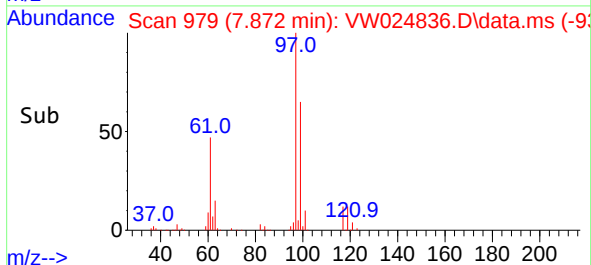
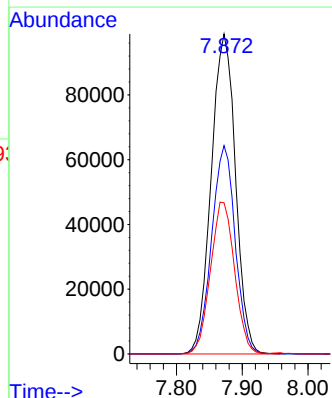
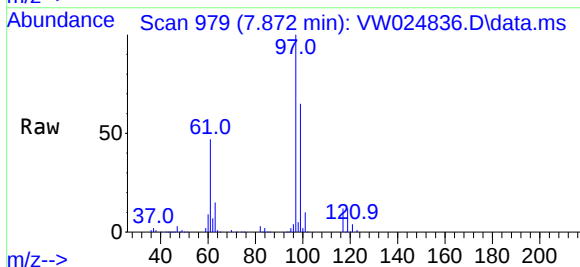
Tgt Ion: 97 Resp: 254128

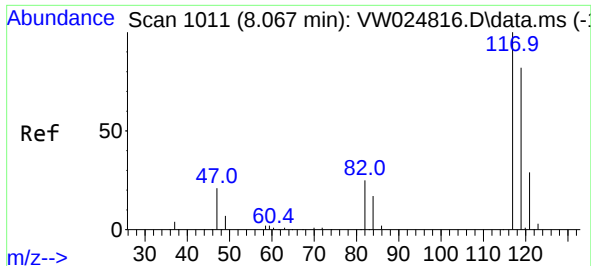
Ion Ratio Lower Upper

97 100

99 63.2 51.1 76.7

61 47.1 35.8 53.6

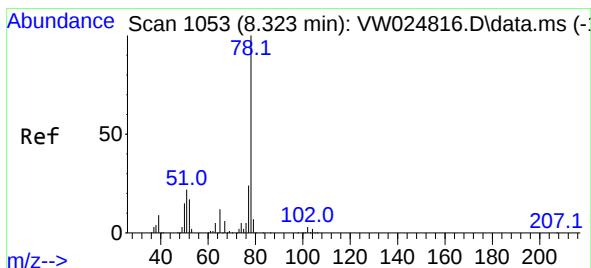
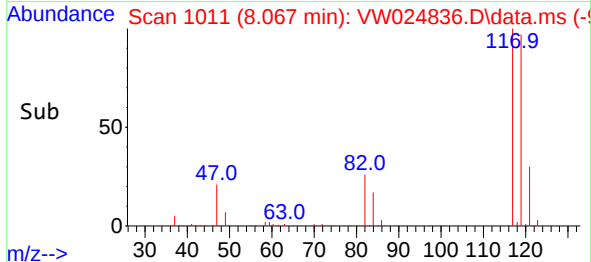
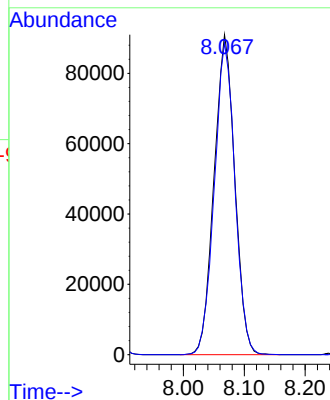
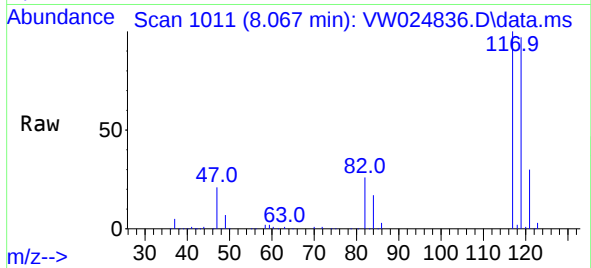




#31  
Carbon tetrachloride  
Concen: 22.535 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

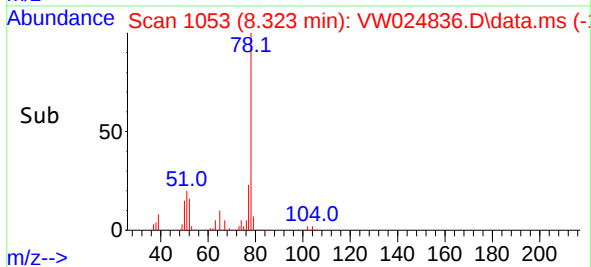
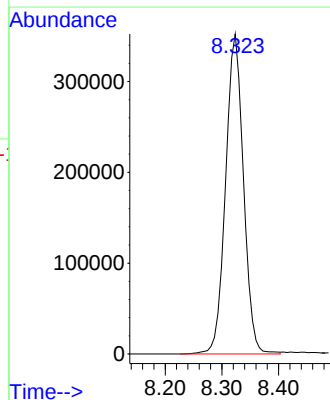
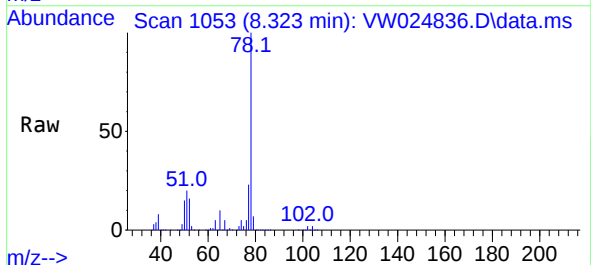
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

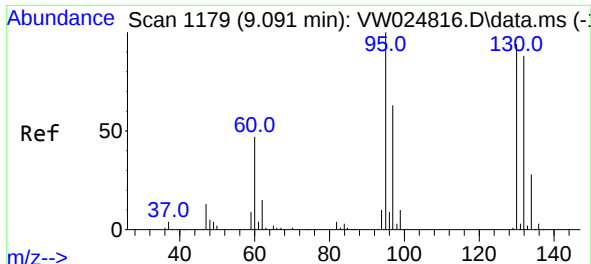
Tgt Ion:117 Resp: 214850  
Ion Ratio Lower Upper  
117 100  
119 96.9 76.2 114.2



#33  
Benzene  
Concen: 23.702 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 78 Resp: 771867

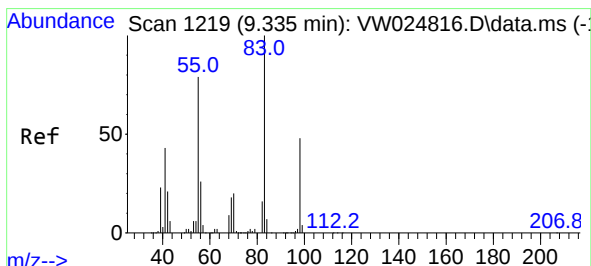
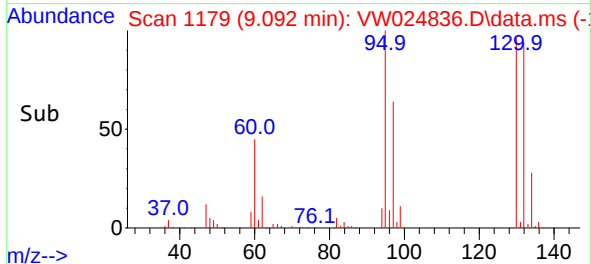
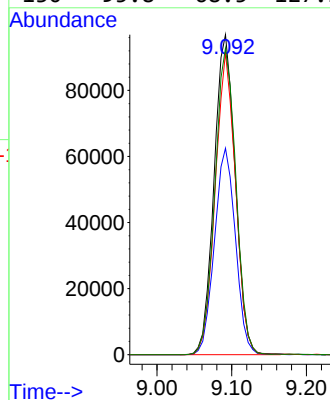
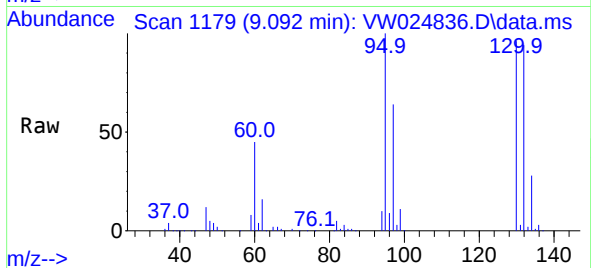




#34  
Trichloroethene  
Concen: 23.017 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

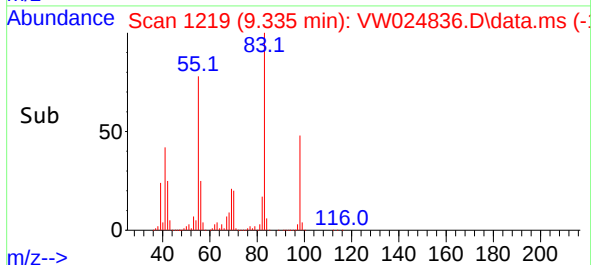
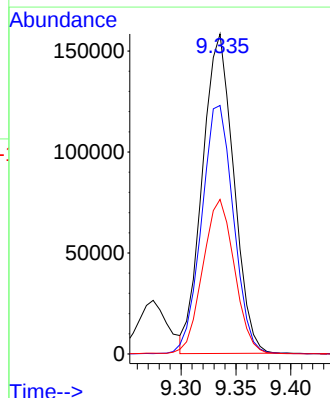
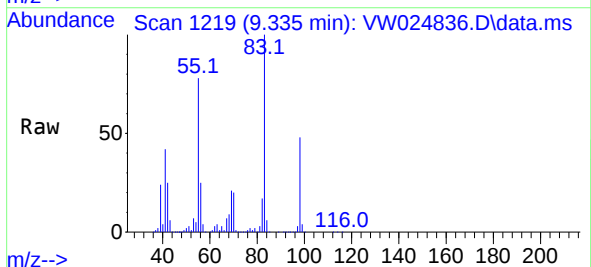
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

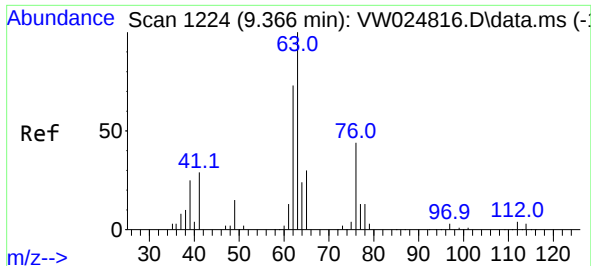
Tgt Ion: 95 Resp: 189981  
Ion Ratio Lower Upper  
95 100  
97 64.5 43.5 80.9  
132 94.4 61.2 113.8  
130 95.8 68.5 127.1



#35  
Methylcyclohexane  
Concen: 20.729 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 83 Resp: 313648  
Ion Ratio Lower Upper  
83 100  
55 79.8 63.1 94.7  
98 49.3 38.3 57.5

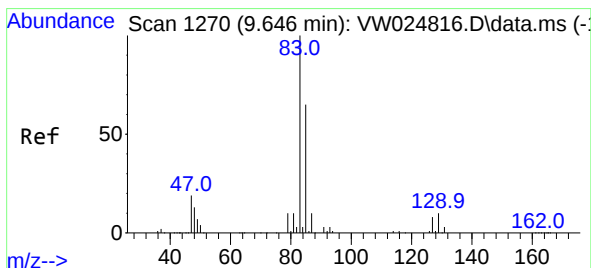
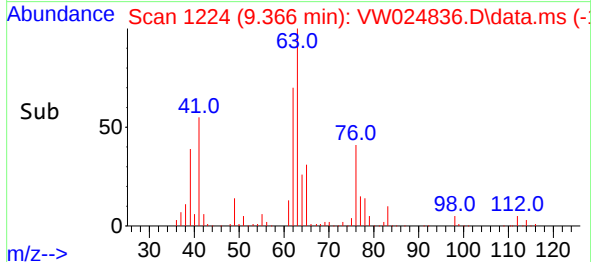
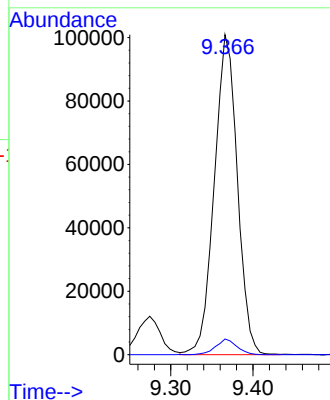
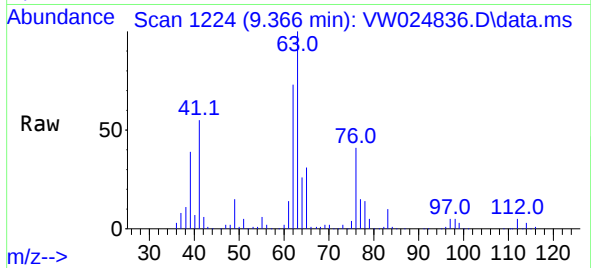




#37  
1,2-Dichloropropane  
Concen: 24.429 ug/L  
RT: 9.366 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

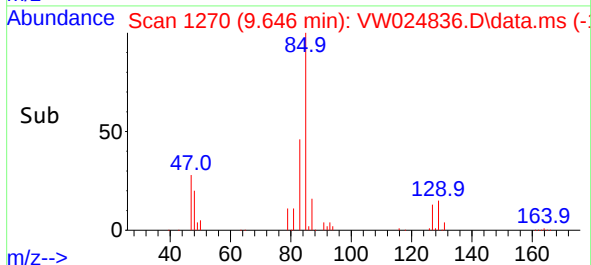
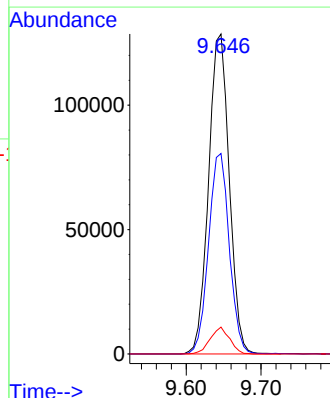
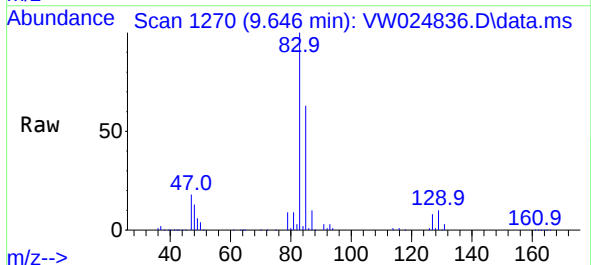
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

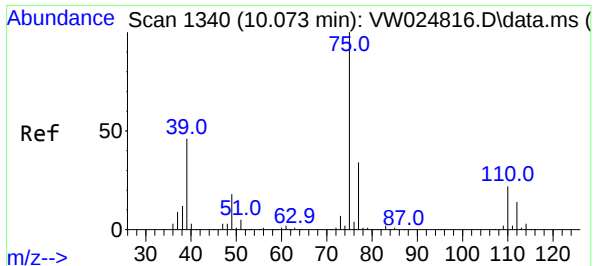
Tgt Ion: 63 Resp: 196396  
Ion Ratio Lower Upper  
63 100  
112 4.5 3.6 5.4



#38  
Bromodichloromethane  
Concen: 25.001 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 83 Resp: 247242  
Ion Ratio Lower Upper  
83 100  
85 62.6 45.6 84.8  
127 8.4 6.4 9.6

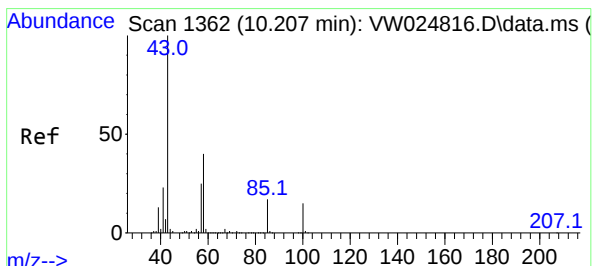
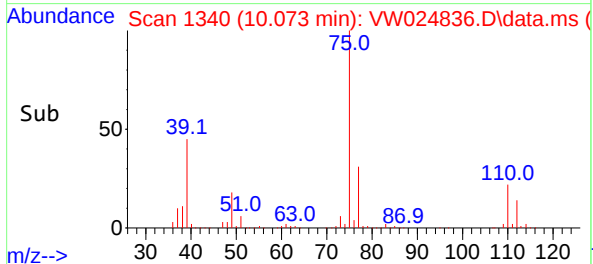
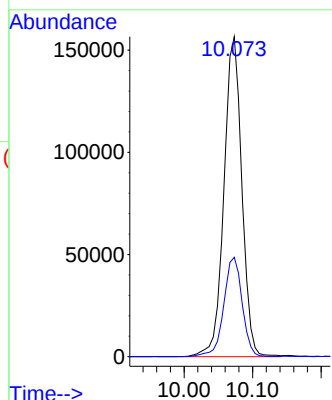
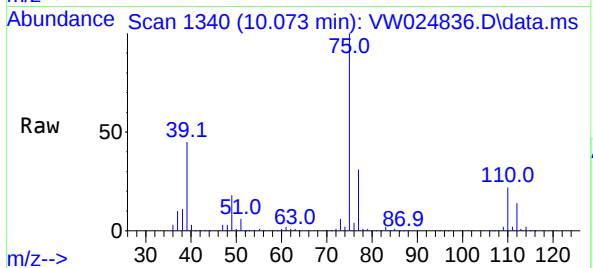




#39  
cis-1,3-Dichloropropene  
Concen: 22.290 ug/L  
RT: 10.073 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

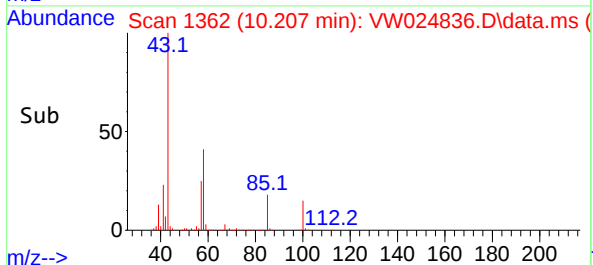
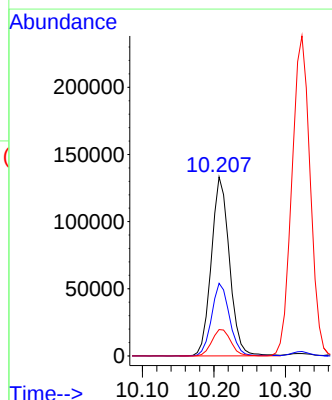
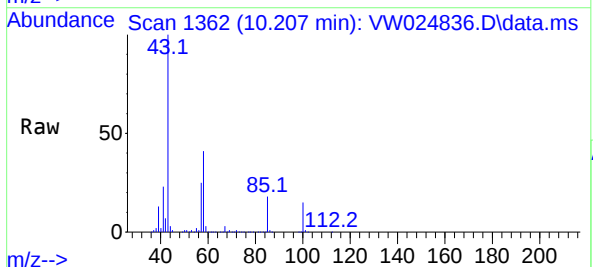
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

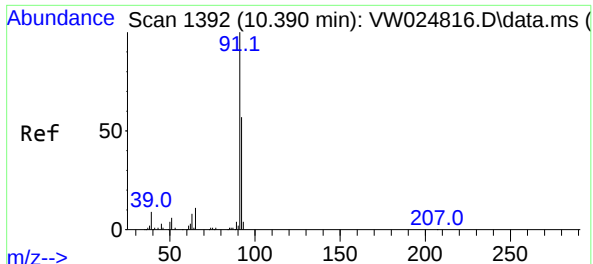
Tgt Ion: 75 Resp: 283384  
Ion Ratio Lower Upper  
75 100  
77 31.1 22.4 41.6



#40  
4-Methyl-2-pentanone  
Concen: 49.342 ug/L  
RT: 10.207 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 43 Resp: 234802  
Ion Ratio Lower Upper  
43 100  
58 40.1 32.9 49.3  
100 15.6 12.6 19.0





#42

Toluene

Concen: 23.749 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW024836.D

Acq: 11 Oct 2022 04:12

Instrument :

MSVOA\_W

ClientSampleId :

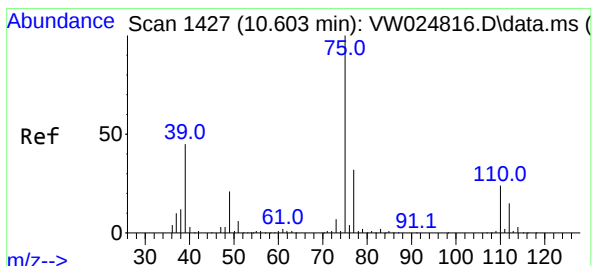
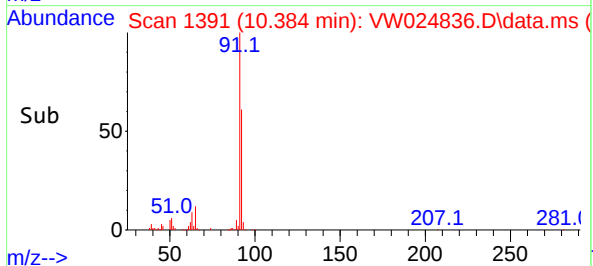
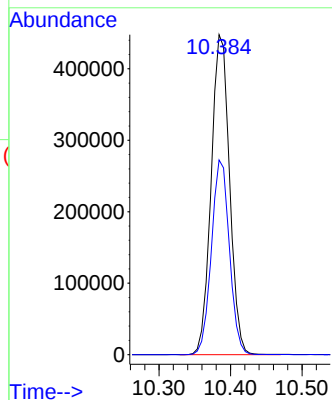
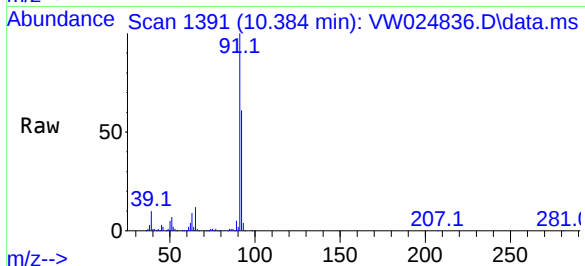
VSTD025592

Tgt Ion: 91 Resp: 798678

Ion Ratio Lower Upper

91 100

92 60.9 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 21.400 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW024836.D

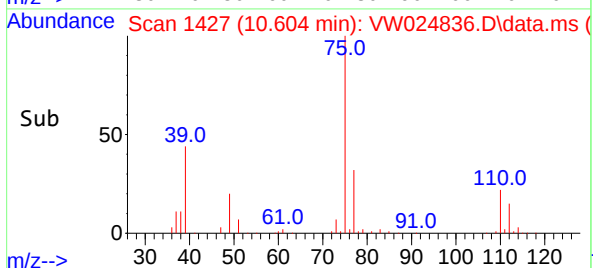
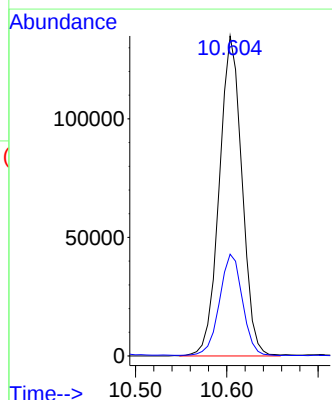
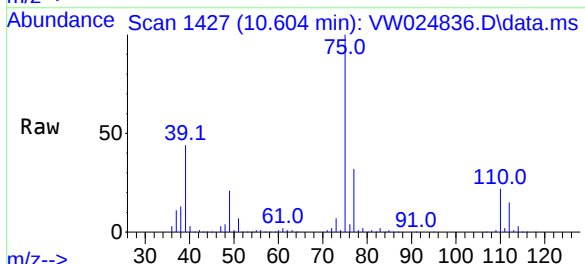
Acq: 11 Oct 2022 04:12

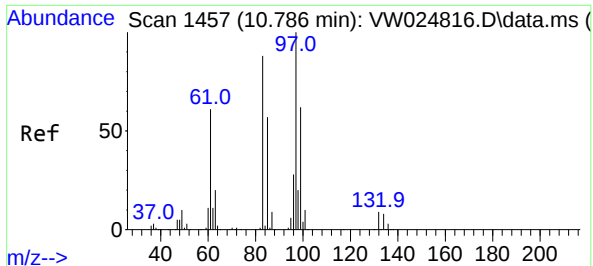
Tgt Ion: 75 Resp: 233261

Ion Ratio Lower Upper

75 100

77 31.8 21.3 39.6



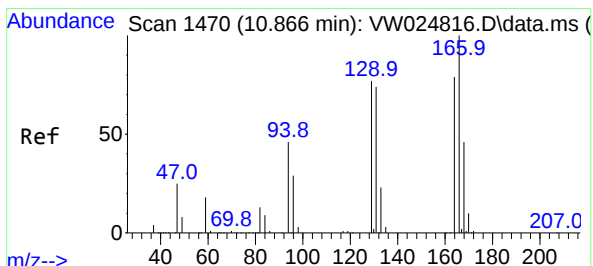
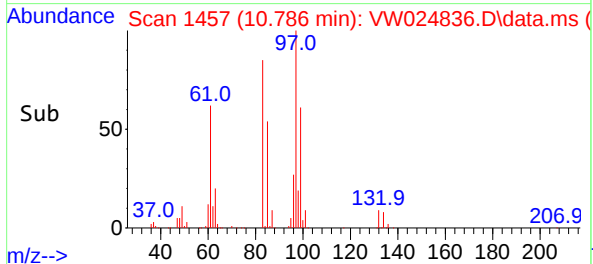
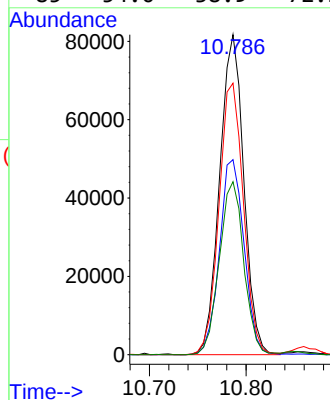
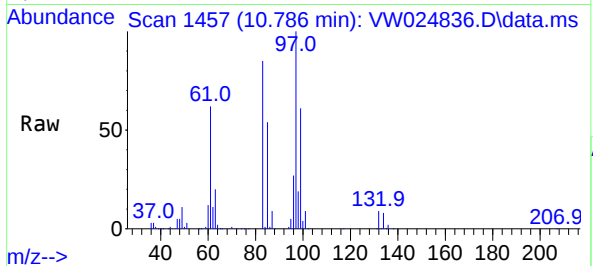


#45  
1,1,2-Trichloroethane  
Concen: 25.758 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

Tgt Ion: 97 Resp: 141445

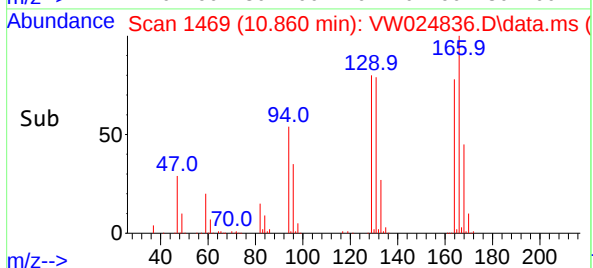
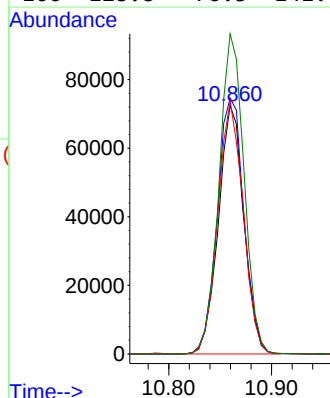
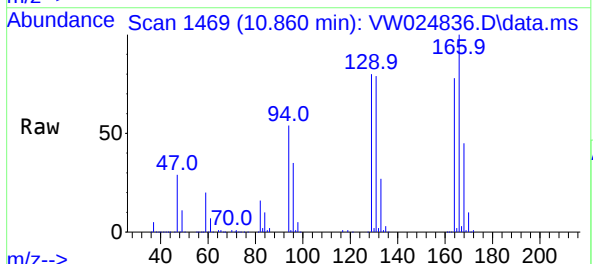
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.0  | 43.8  | 81.4  |
| 83  | 84.8  | 60.1  | 111.5 |
| 85  | 54.0  | 38.9  | 72.2  |

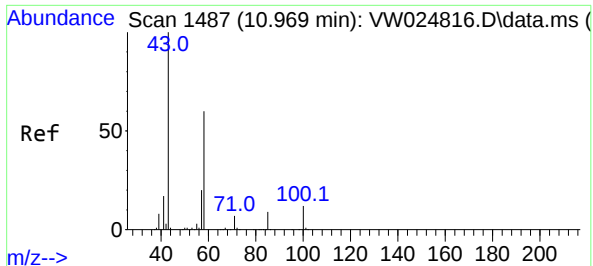


#46  
Tetrachloroethene  
Concen: 22.251 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 164 Resp: 124788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 103.0 | 74.1  | 137.5 |
| 131 | 101.8 | 71.5  | 132.7 |
| 166 | 128.8 | 76.3  | 141.7 |



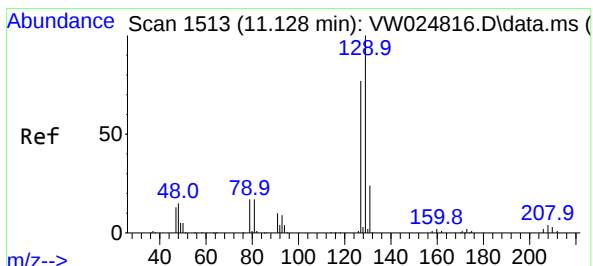
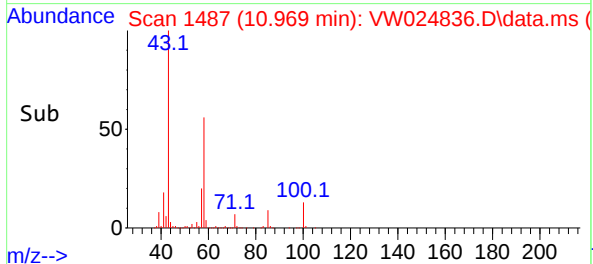
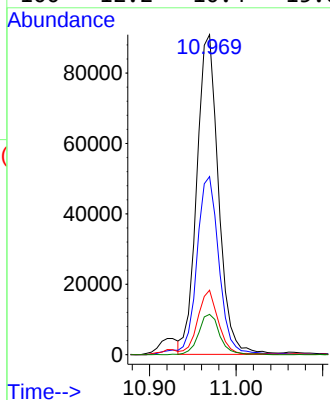
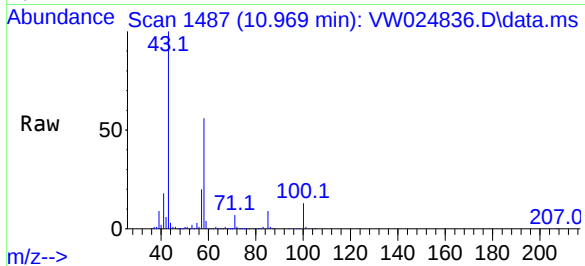


#48  
2-Hexanone  
Concen: 49.248 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

Tgt Ion: 43 Resp: 158471

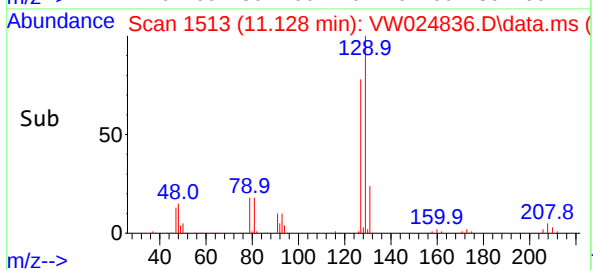
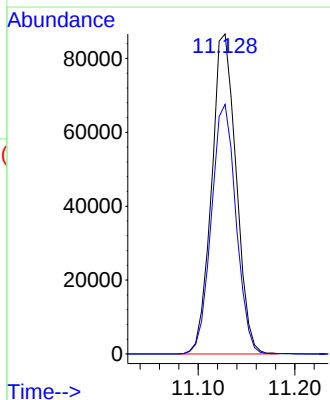
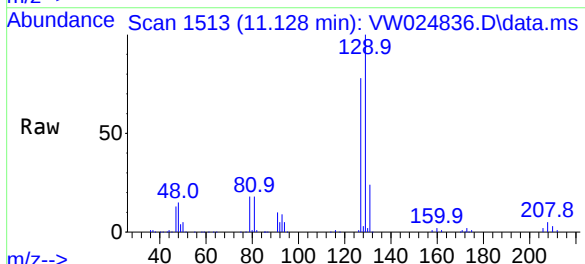
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 56.1  | 45.3  | 67.9  |
| 57  | 18.6  | 16.3  | 24.5  |
| 100 | 12.2  | 10.4  | 15.6  |

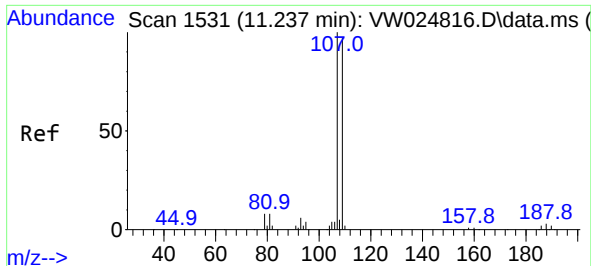


#49  
Dibromochloromethane  
Concen: 24.721 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 129 Resp: 152864

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.0  | 52.4  | 97.4  |





#50

1,2-Dibromoethane

Concen: 24.522 ug/L

RT: 11.231 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024836.D

Acq: 11 Oct 2022 04:12

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025592

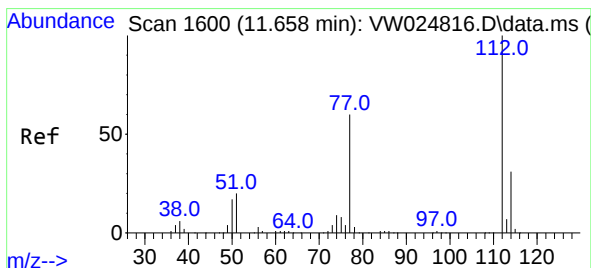
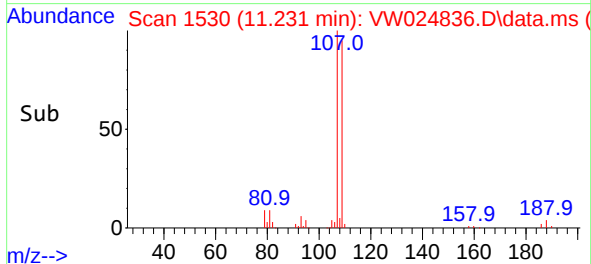
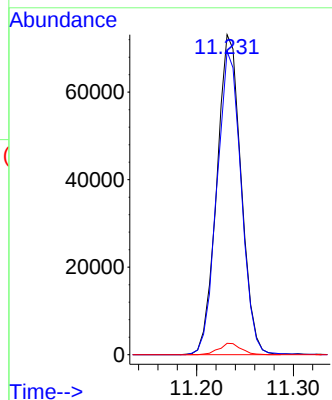
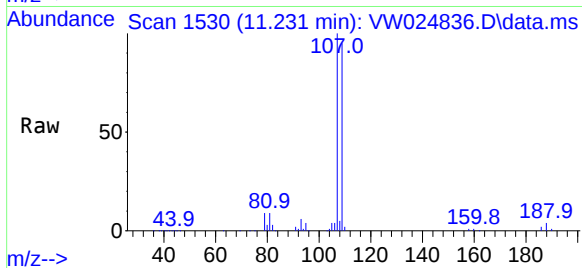
Tgt Ion:107 Resp: 127462

Ion Ratio Lower Upper

107 100

109 94.9 65.5 121.7

188 3.5 2.4 3.6



#51

Chlorobenzene

Concen: 23.953 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW024836.D

Acq: 11 Oct 2022 04:12

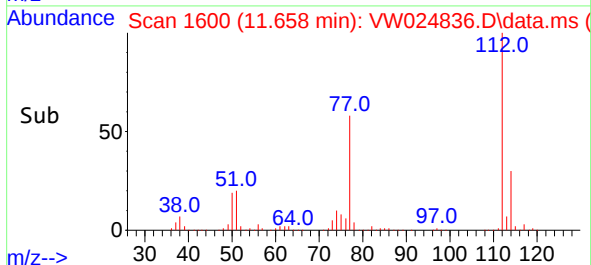
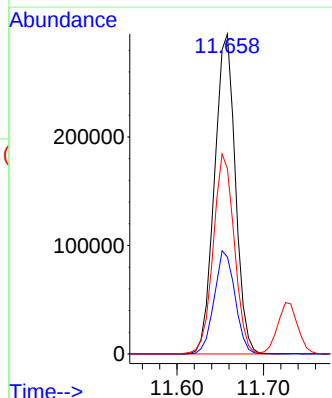
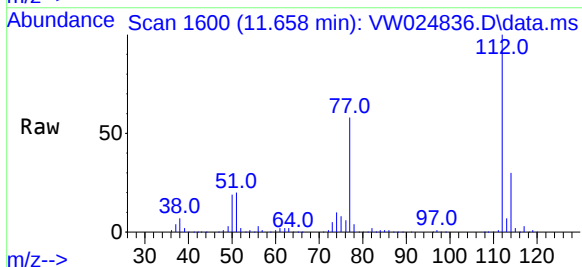
Tgt Ion:112 Resp: 493205

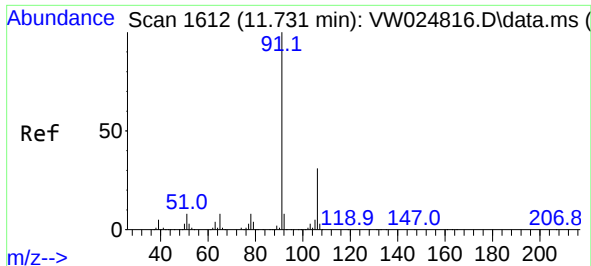
Ion Ratio Lower Upper

112 100

114 30.3 23.3 43.3

77 57.9 49.1 73.7

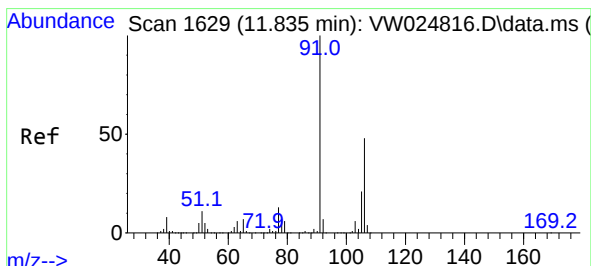
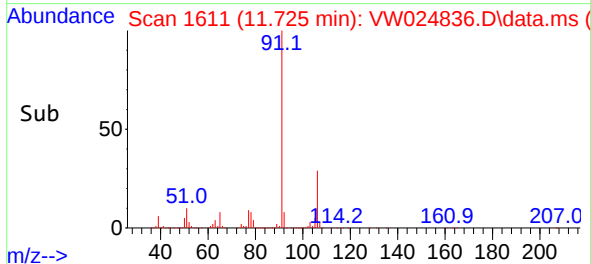
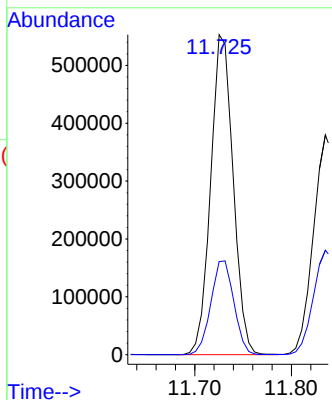
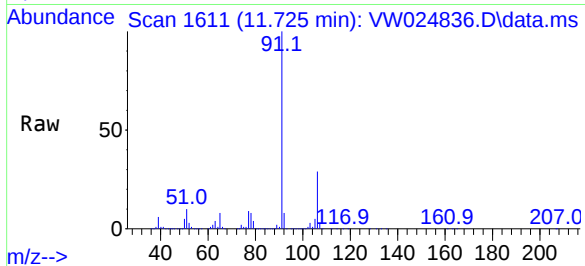




#52  
Ethylbenzene  
Concen: 24.094 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. -0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

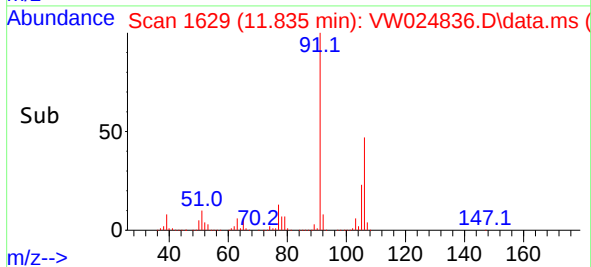
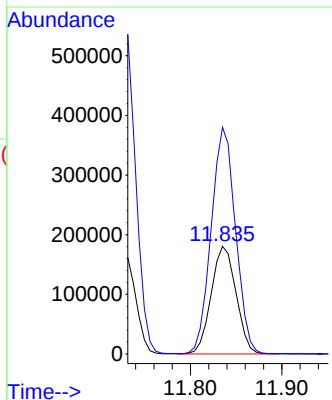
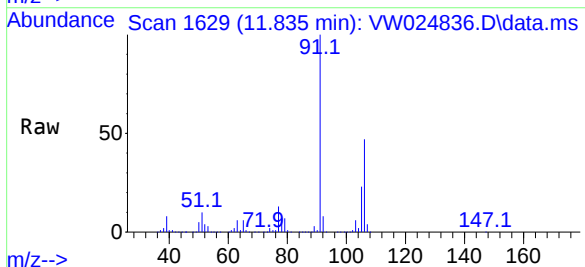
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

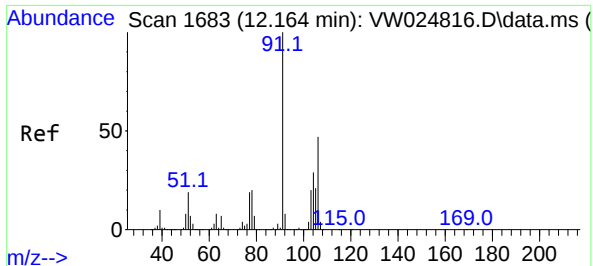
Tgt Ion: 91 Resp: 892473  
Ion Ratio Lower Upper  
91 100  
106 29.1 21.5 39.9



#53  
m,p-Xylene  
Concen: 23.528 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion:106 Resp: 340319  
Ion Ratio Lower Upper  
106 100  
91 210.6 146.8 272.6

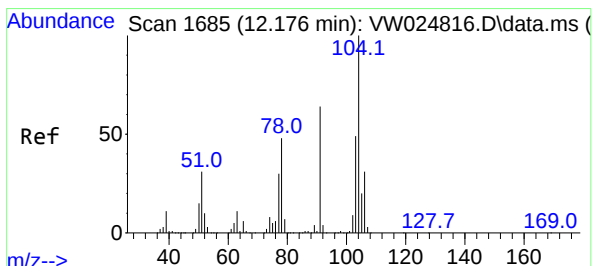
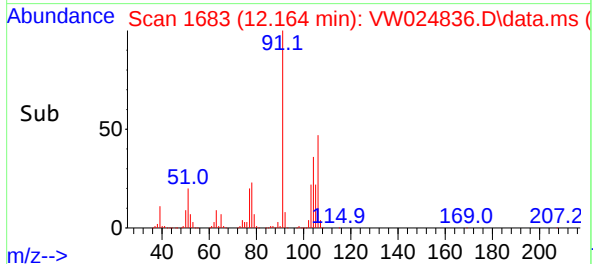
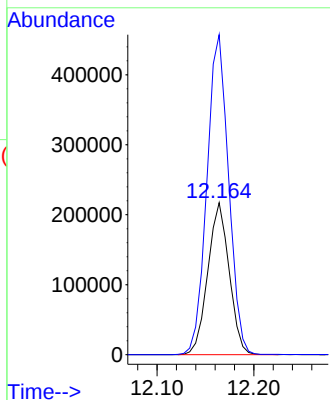
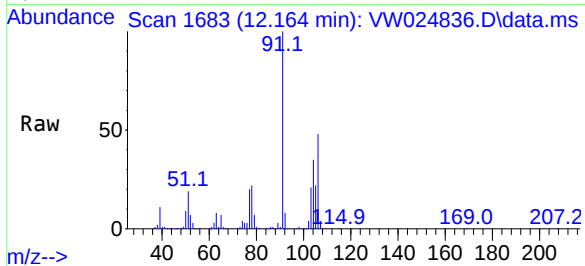




#54  
o-Xylene  
Concen: 24.364 ug/L  
RT: 12.164 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

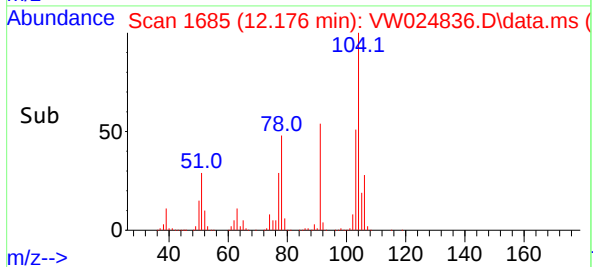
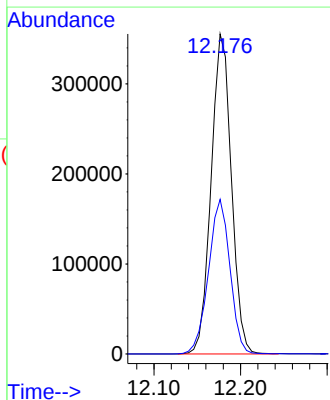
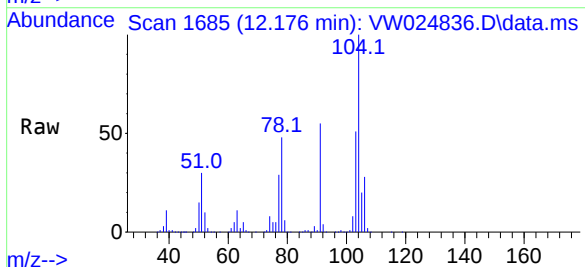
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

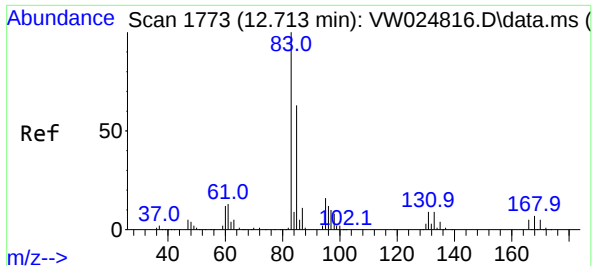
Tgt Ion:106 Resp: 332802  
Ion Ratio Lower Upper  
106 100  
91 210.4 146.3 271.7



#55  
Styrene  
Concen: 25.110 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion:104 Resp: 578209  
Ion Ratio Lower Upper  
104 100  
78 48.3 33.5 62.1

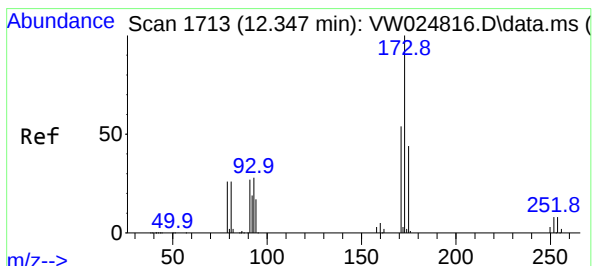
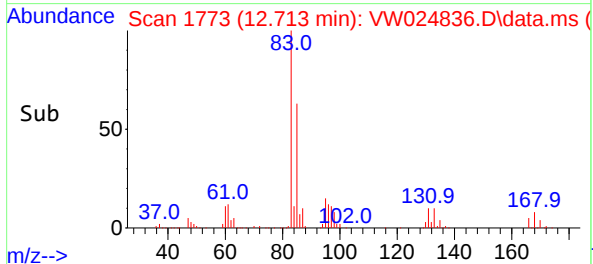
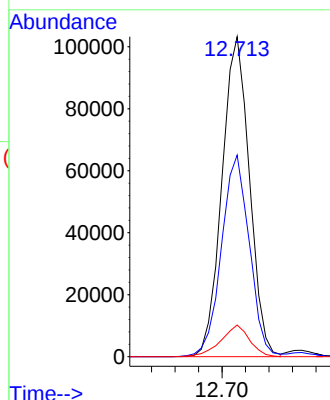
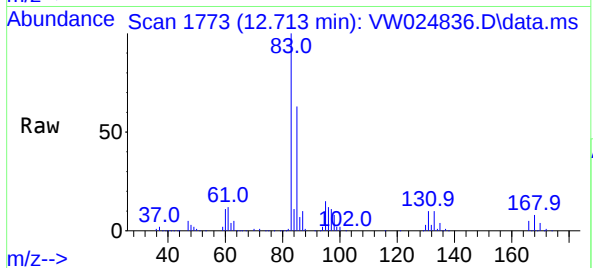




#57  
1,1,2,2-Tetrachloroethane  
Concen: 26.125 ug/L  
RT: 12.713 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

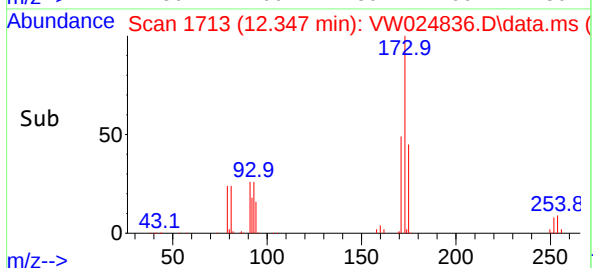
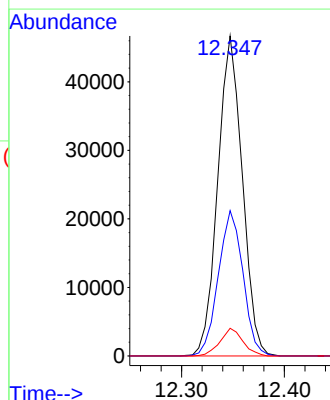
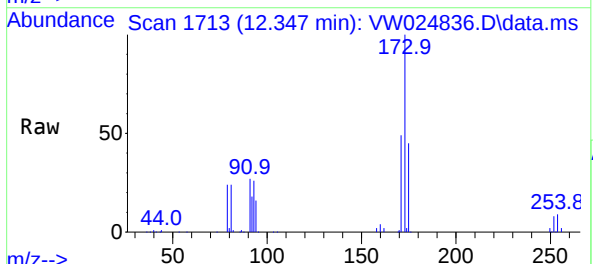
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

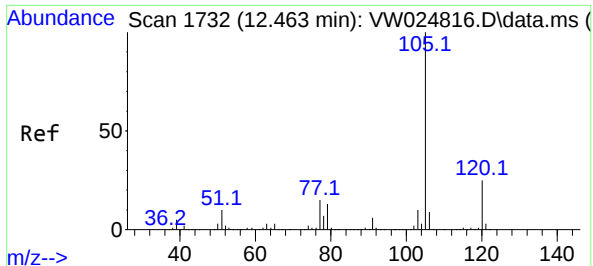
Tgt Ion: 83 Resp: 167976  
Ion Ratio Lower Upper  
83 100  
85 63.0 45.2 84.0  
131 9.9 7.3 10.9



#59  
Bromoform  
Concen: 24.605 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion:173 Resp: 77371  
Ion Ratio Lower Upper  
173 100  
175 45.6 37.7 56.5  
254 8.1 6.7 10.1

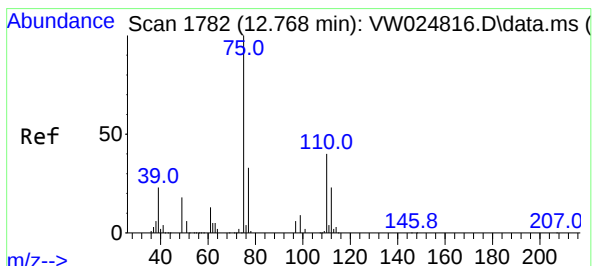
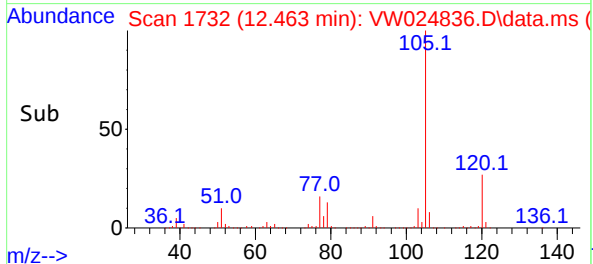
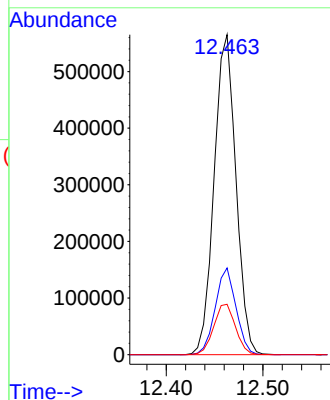
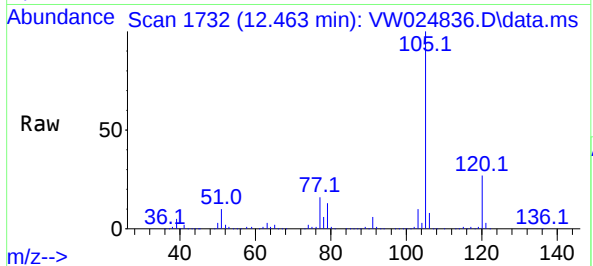




#60  
Isopropylbenzene  
Concen: 24.398 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

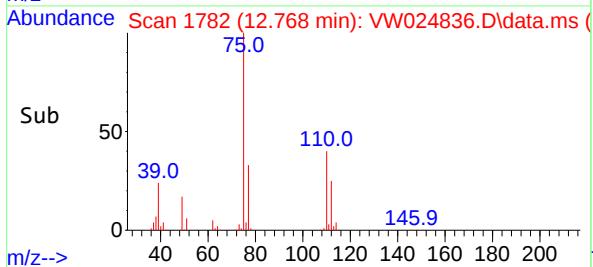
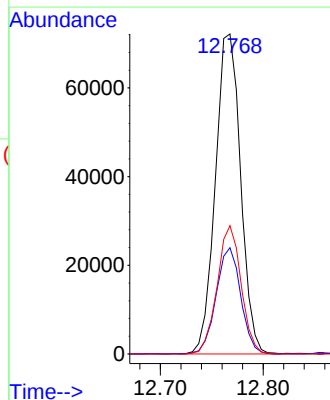
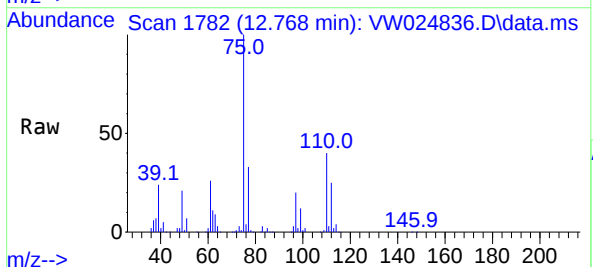
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

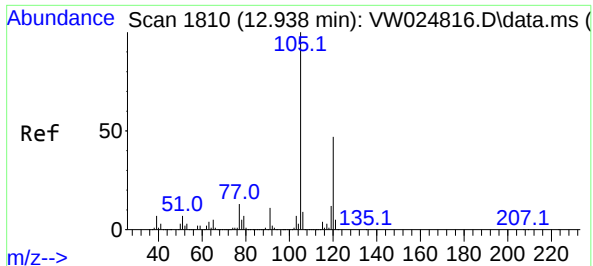
Tgt Ion:105 Resp: 884615  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.9 31.3  
77 15.8 12.7 19.1



#61  
1,2,3-Trichloropropane  
Concen: 25.654 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion: 75 Resp: 122934  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.8 38.6  
110 38.0 29.2 43.8





#62

1,3,5-Trimethylbenzene

Concen: 24.318 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW024836.D

Acq: 11 Oct 2022 04:12

Instrument :

MSVOA\_W

ClientSampleId :

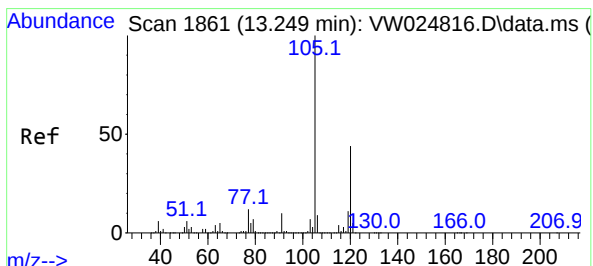
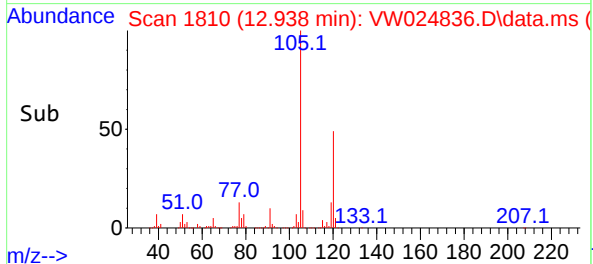
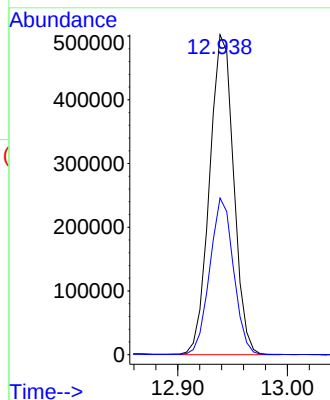
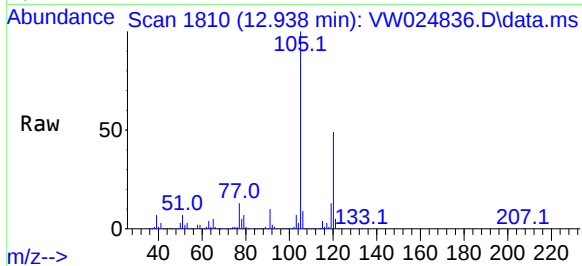
VSTD025592

Tgt Ion:105 Resp: 766344

Ion Ratio Lower Upper

105 100

120 48.3 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 24.599 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.006 min

Lab File: VW024836.D

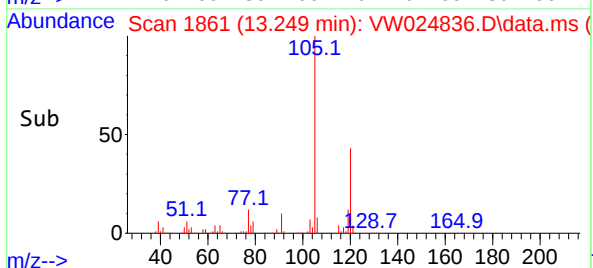
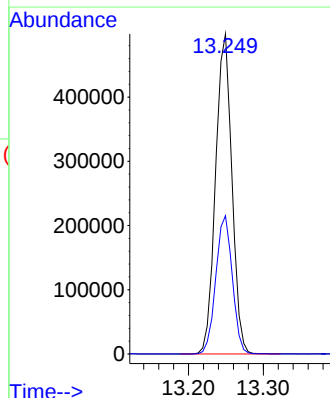
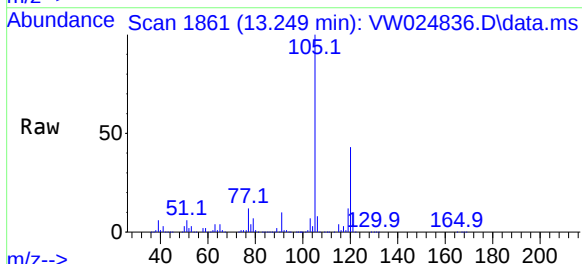
Acq: 11 Oct 2022 04:12

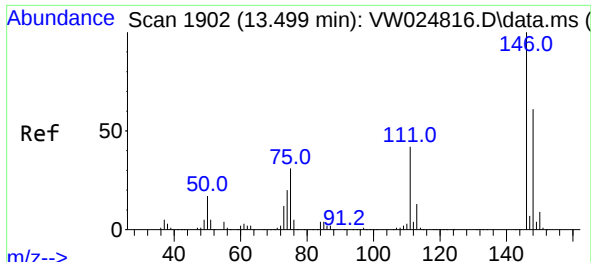
Tgt Ion:105 Resp: 759425

Ion Ratio Lower Upper

105 100

120 43.5 35.2 52.8

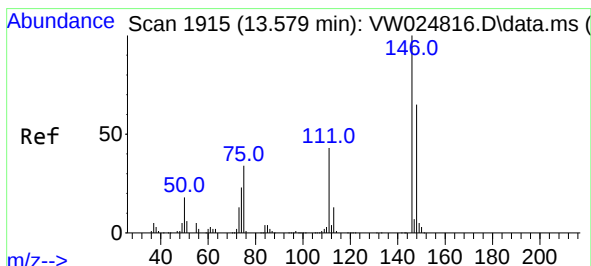
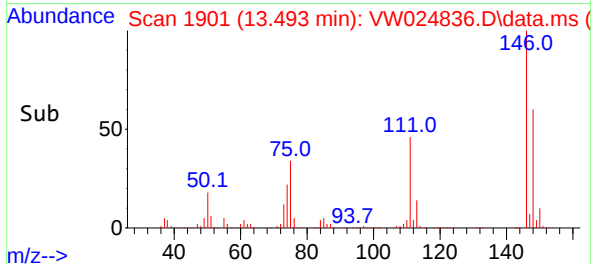
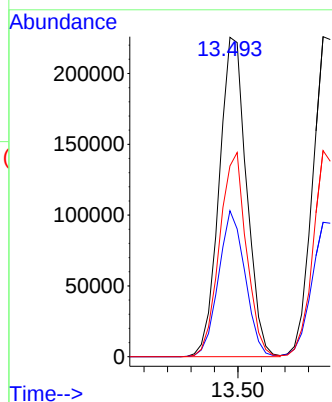
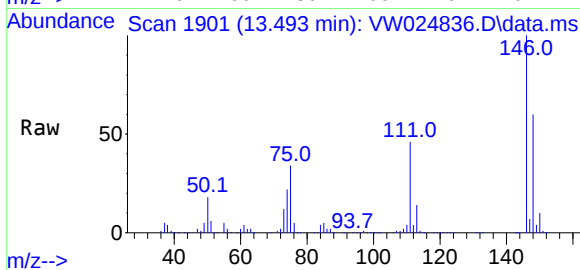




#64  
1,3-Dichlorobenzene  
Concen: 24.754 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

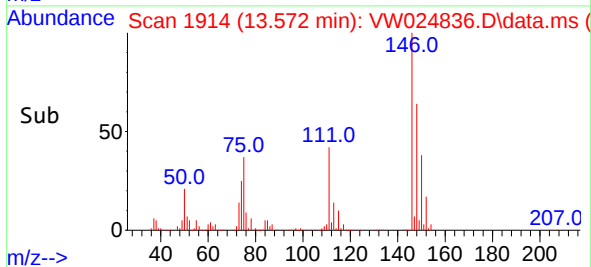
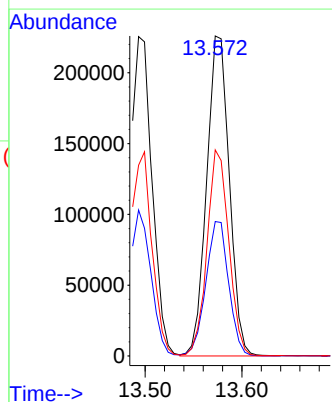
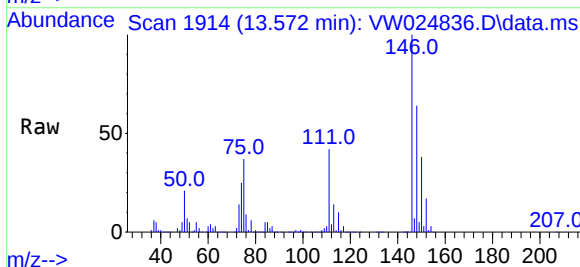
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

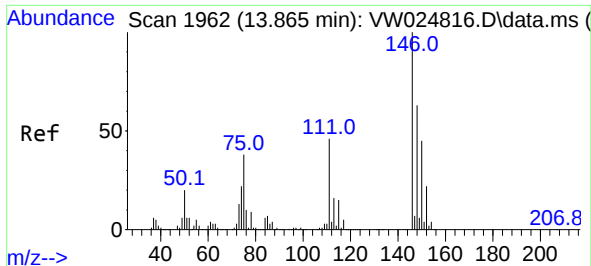
Tgt Ion:146 Resp: 364623  
Ion Ratio Lower Upper  
146 100  
111 45.7 31.6 58.6  
148 59.7 38.1 70.9



#65  
1,4-Dichlorobenzene  
Concen: 25.710 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion:146 Resp: 368664  
Ion Ratio Lower Upper  
146 100  
111 42.0 29.4 54.6  
148 64.4 39.6 73.6

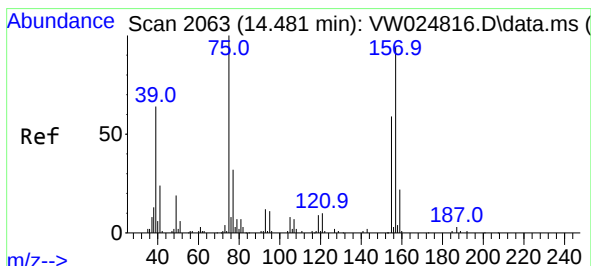
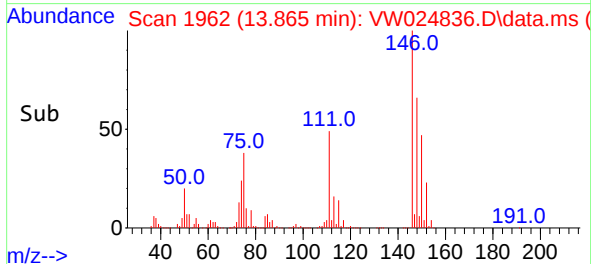
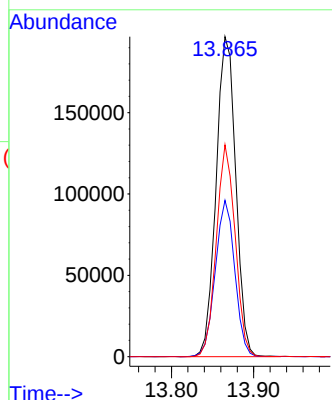
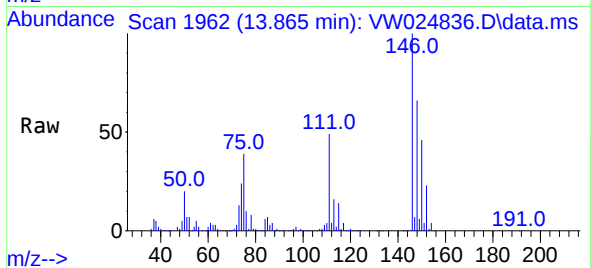




#67  
1,2-Dichlorobenzene  
Concen: 25.500 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

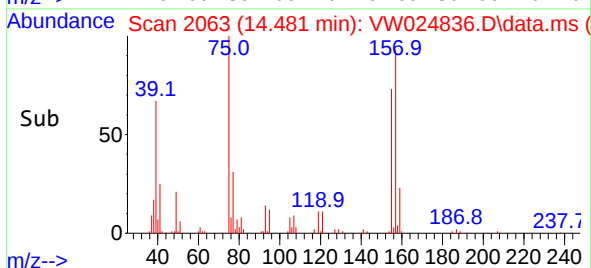
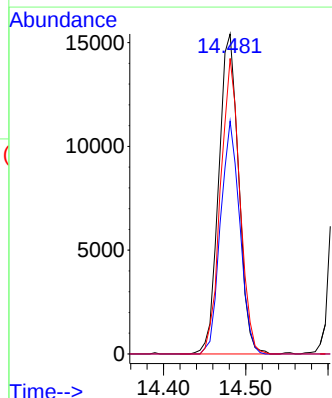
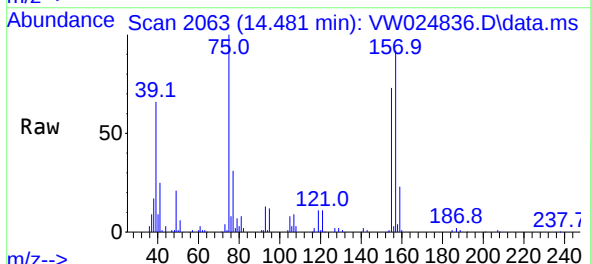
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

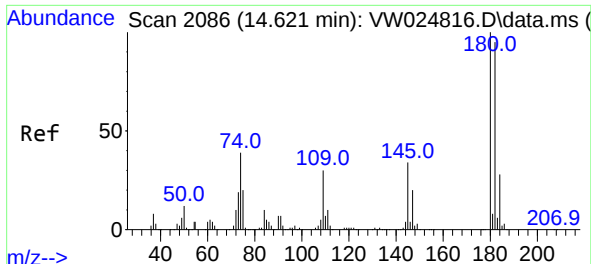
Tgt Ion:146 Resp: 327162  
Ion Ratio Lower Upper  
146 100  
111 48.9 37.2 55.8  
148 66.2 53.0 79.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 22.874 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

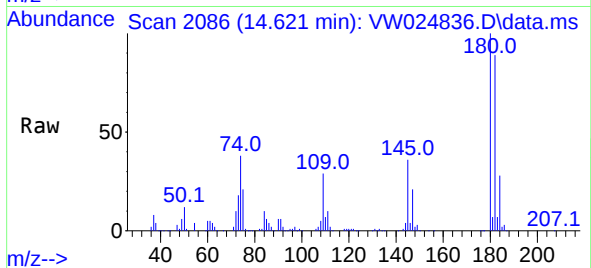
Tgt Ion: 75 Resp: 25921  
Ion Ratio Lower Upper  
75 100  
155 72.7 57.6 86.4  
157 92.3 73.0 109.6



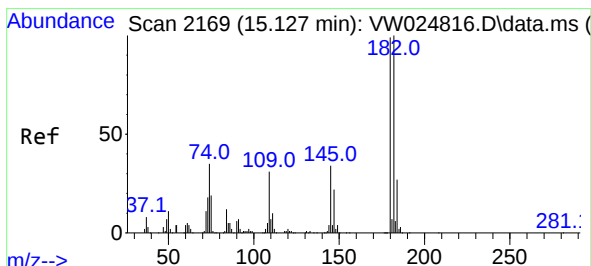
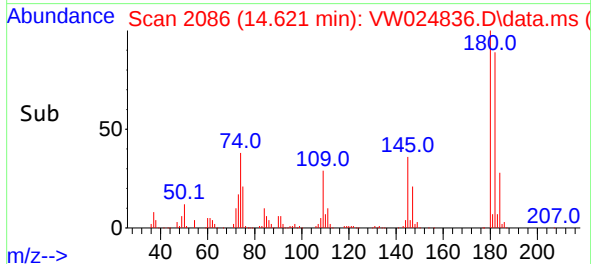
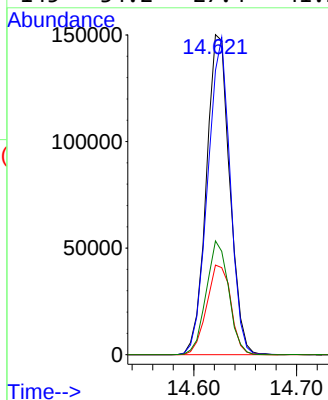


#69  
1,3,5-Trichlorobenzene  
Concen: 24.242 ug/L  
RT: 14.621 min Scan# 2086  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

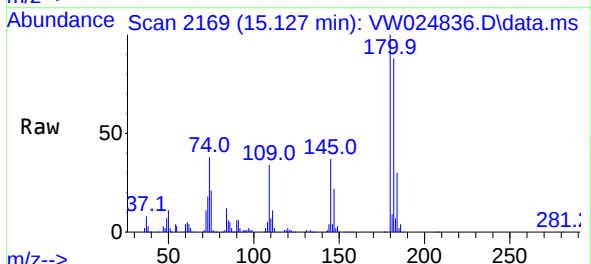
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592



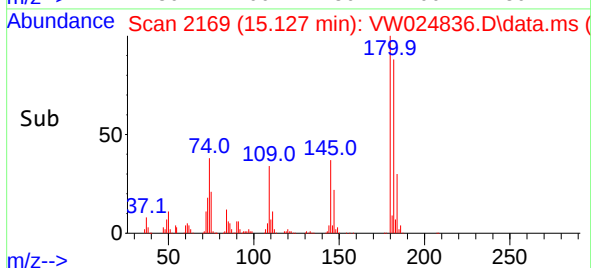
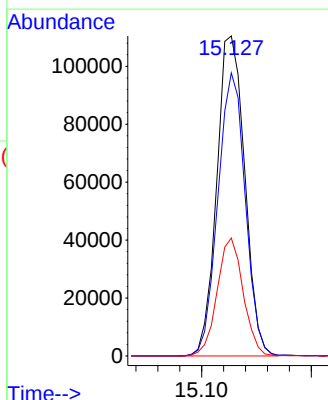
Tgt Ion:180 Resp: 237098  
Ion Ratio Lower Upper  
180 100  
182 95.0 77.1 115.7  
184 29.0 23.3 34.9  
145 34.2 27.4 41.2

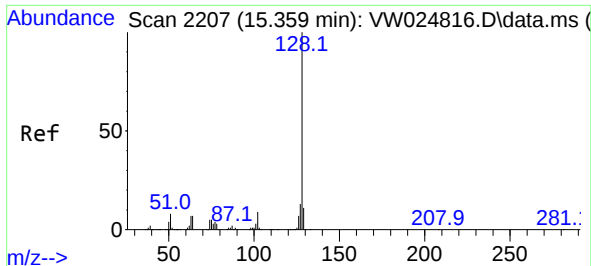


#70  
1,2,4-trichlorobenzene  
Concen: 23.786 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12



Tgt Ion:180 Resp: 195438  
Ion Ratio Lower Upper  
180 100  
182 86.7 76.8 115.2  
145 34.4 29.0 43.4

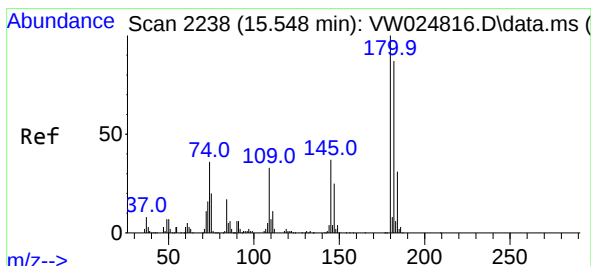
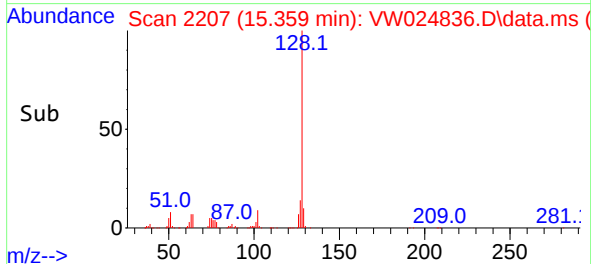
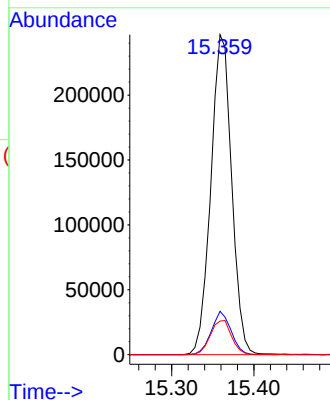
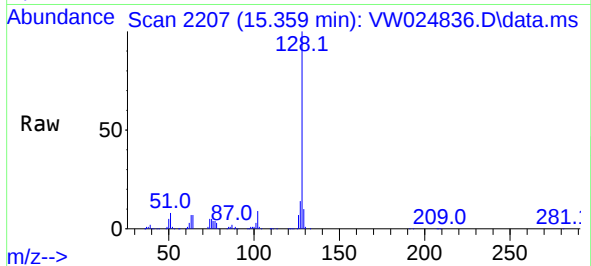




#71  
Naphthalene  
Concen: 24.240 ug/L  
RT: 15.359 min Scan# 2207  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025592

Tgt Ion:128 Resp: 433664  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 16.0  
129 10.9 9.0 13.4



#72  
1,2,3-Trichlorobenzene  
Concen: 23.102 ug/L  
RT: 15.548 min Scan# 2238  
Delta R.T. -0.000 min  
Lab File: VW024836.D  
Acq: 11 Oct 2022 04:12

Tgt Ion:180 Resp: 161548  
Ion Ratio Lower Upper  
180 100  
182 99.0 77.4 116.2  
145 38.1 30.6 45.8

