

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020922\  
 Data File : VW022076.D  
 Acq On : 09 Feb 2022 08:52  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025556

Quant Time: Feb 10 04:50:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 03 01:57:48 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 154420   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 141673   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 76009    | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 41219    | 22.160   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 88.640%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 32244    | 22.517   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 90.080%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 71791    | 21.845   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 87.400%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 14860    | 45.042   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 90.080%  |
| 24) Chloroform-d              | 7.647  | 84    | 86384    | 24.044   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 96.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 42127    | 23.568   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 94.280%  |
| 32) Benzene-d6                | 8.275  | 84    | 163255   | 22.803   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 91.200%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 44507    | 22.855   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 91.400%  |
| 41) Toluene-d8                | 10.323 | 98    | 160310   | 22.593   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 90.360%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 18874    | 22.130   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 88.520%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 13286    | 46.927   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 93.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 38829    | 24.447   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 97.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 58976    | 21.508   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 86.040%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 6911     | 19.214   | ug/L  | 92       |
| 3) Chloromethane              | 2.215  | 50    | 35322    | 21.766   | ug/L  | 98       |
| 5) Vinyl chloride             | 2.361  | 62    | 52461    | 22.507   | ug/L  | 97       |
| 6) Bromomethane               | 2.782  | 94    | 35823    | 18.074   | ug/L  | 98       |
| 8) Chloroethane               | 2.922  | 64    | 27703    | 23.130   | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 38841    | 22.074   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 42275    | 22.676   | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 4.037  | 96    | 38841    | 22.575   | ug/L  | 95       |
| 13) Acetone                   | 4.135  | 43    | 12430    | 40.341   | ug/L  | 97       |
| 14) Carbon disulfide          | 4.379  | 76    | 103954   | 20.714   | ug/L  | 98       |
| 15) Methyl Acetate            | 4.678  | 43    | 12158    | 21.578   | ug/L  | # 86     |
| 16) Methylene chloride        | 4.909  | 84    | 39914    | 22.182   | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 43303    | 22.570   | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 53972    | 21.939   | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 69719    | 23.454   | ug/L  | 96       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 46438    | 23.587   | ug/L  | 99       |
| 22) 2-Butanone                | 7.177  | 43    | 17819    | 44.666   | ug/L  | 97       |
| 23) Bromochloromethane        | 7.519  | 128   | 22239    | 22.940   | ug/L  | 92       |
| 25) Chloroform                | 7.671  | 83    | 80128    | 23.815   | ug/L  | 98       |

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 Sample : VSTDCCC025  
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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 : Thu Feb 03 01:57:48 2022  
 Response via : Initial Calibration

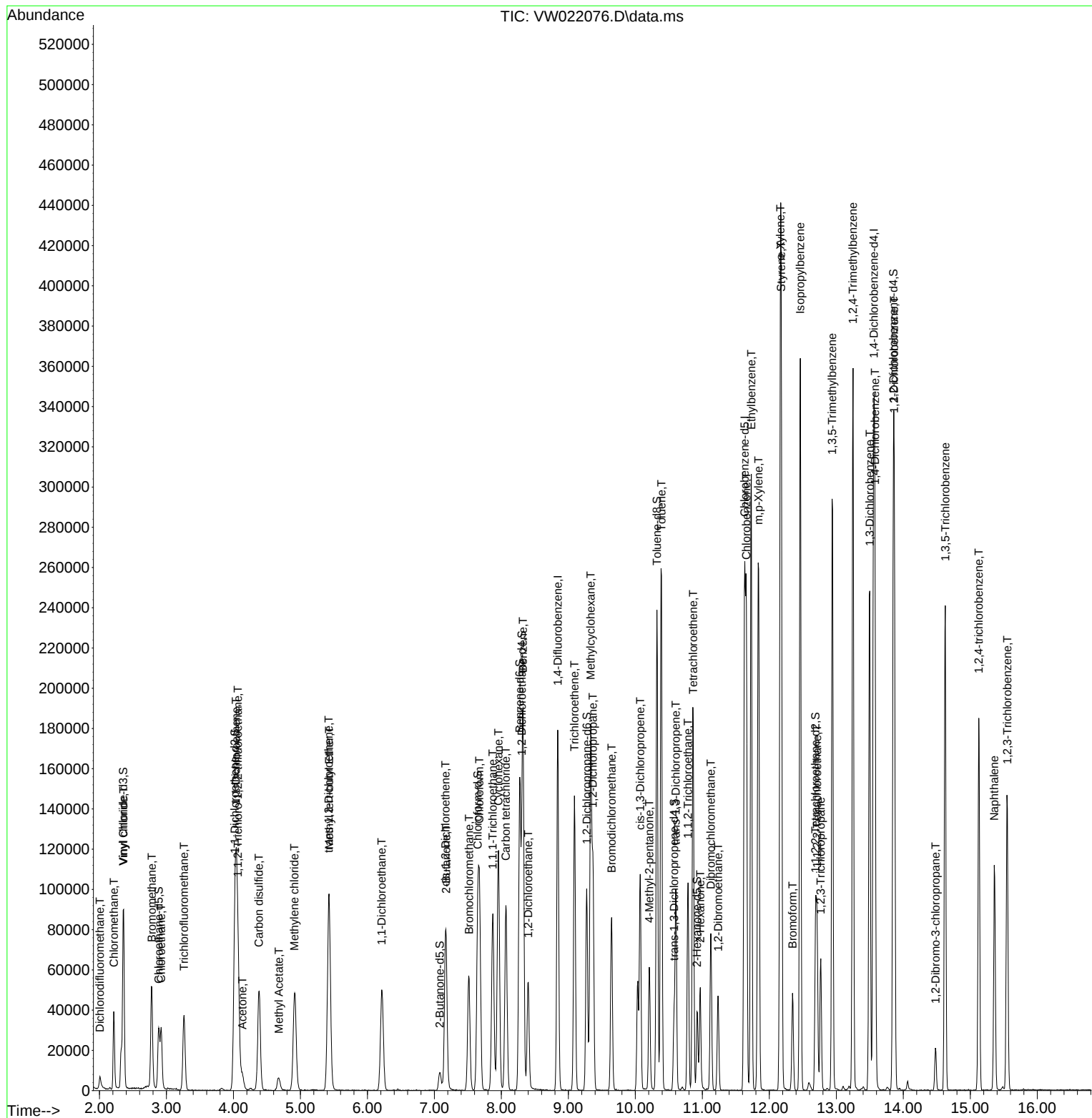
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 48429    | 24.452 | ug/L   | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 60278    | 21.675 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 70831    | 22.592 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 67931    | 22.136 | ug/L   | 96       |
| 33) Benzene                   | 8.323  | 78   | 171143   | 23.040 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 48984    | 23.194 | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 77600    | 21.780 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 39005    | 23.908 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 56902    | 24.423 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 62185    | 23.765 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 36937    | 46.146 | ug/L   | 98       |
| 42) Toluene                   | 10.390 | 91   | 196207   | 23.303 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 53762    | 23.834 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 31867    | 22.981 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.866 | 164  | 43017    | 21.852 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 30243    | 50.762 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 40202    | 23.023 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 30855    | 22.475 | ug/L   | 92       |
| 51) Chlorobenzene             | 11.658 | 112  | 130559   | 22.784 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 219196   | 23.595 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.841 | 106  | 92186    | 23.917 | ug/L   | 96       |
| 54) o-Xylene                  | 12.164 | 106  | 84671    | 23.483 | ug/L   | 93       |
| 55) Styrene                   | 12.176 | 104  | 144471   | 24.805 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 35521    | 23.534 | ug/L   | 97       |
| 59) Bromoform                 | 12.347 | 173  | 22004    | 21.919 | ug/L # | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 233791   | 23.542 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 26080    | 23.553 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 158384   | 24.048 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 194562   | 24.247 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 108478   | 22.799 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 110263   | 23.152 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 95150    | 22.501 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 5089     | 22.590 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 74089    | 21.658 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 60903    | 22.414 | ug/L   | 96       |
| 71) Naphthalene               | 15.359 | 128  | 96822    | 21.840 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 49084    | 21.135 | ug/L   | 99       |

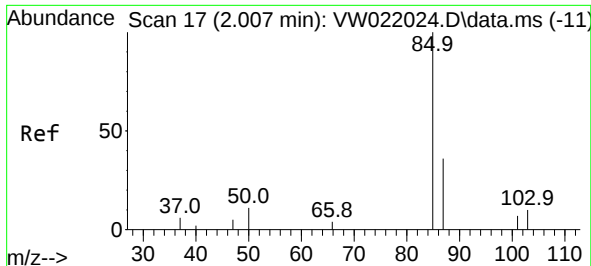
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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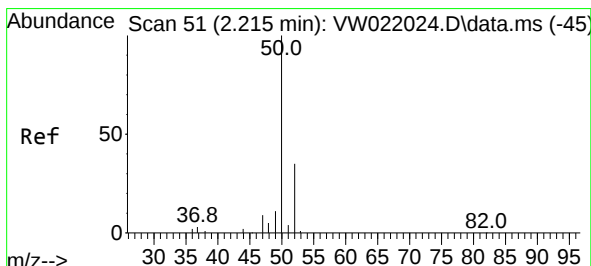
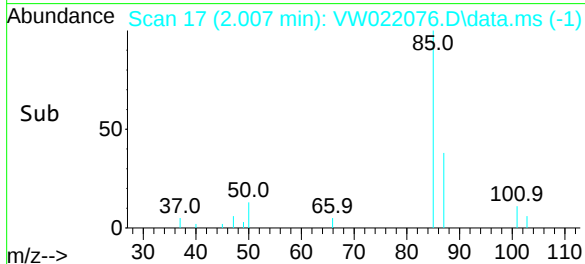
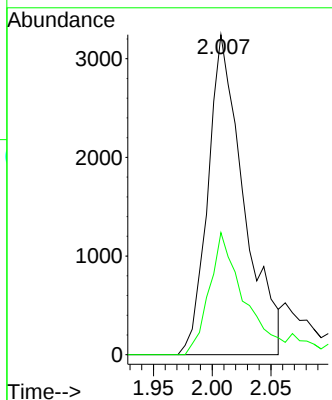
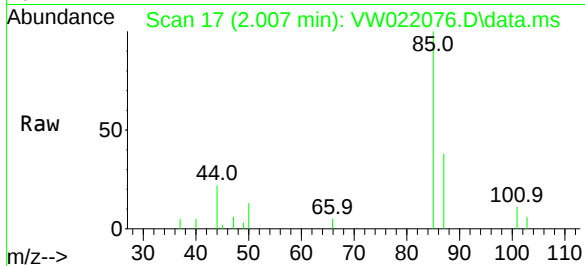




#2  
 Dichlorodifluoromethane  
 Concen: 19.214 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW022076.D  
 Acq: 09 Feb 2022 08:52

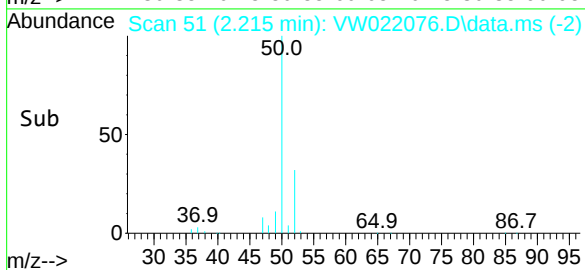
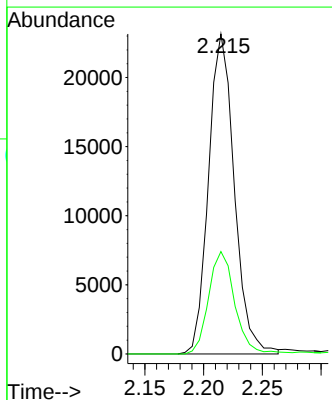
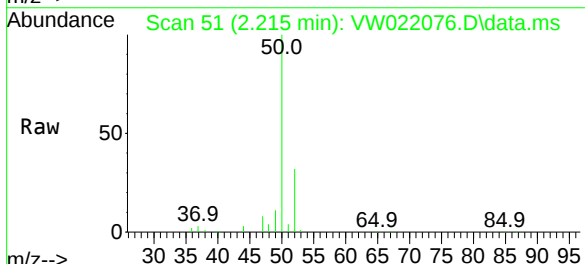
Instrument :  
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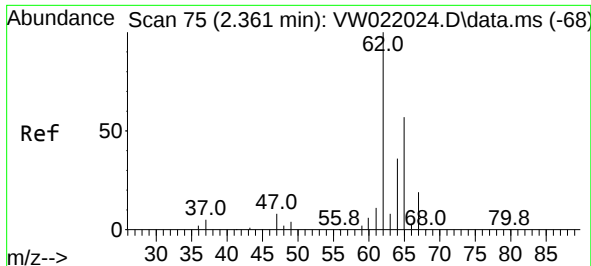
Tgt Ion: 85 Resp: 6911  
 Ion Ratio Lower Upper  
 85 100  
 87 37.0 26.2 39.4



#3  
 Chloromethane  
 Concen: 21.766 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VW022076.D  
 Acq: 09 Feb 2022 08:52

Tgt Ion: 50 Resp: 35322  
 Ion Ratio Lower Upper  
 50 100  
 52 32.0 23.3 43.3

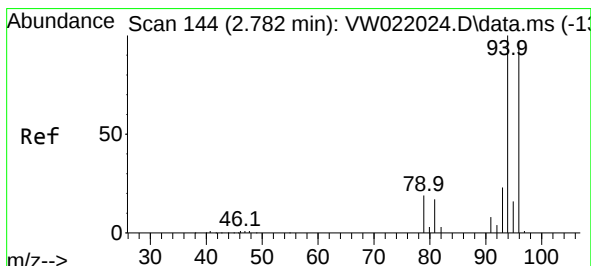
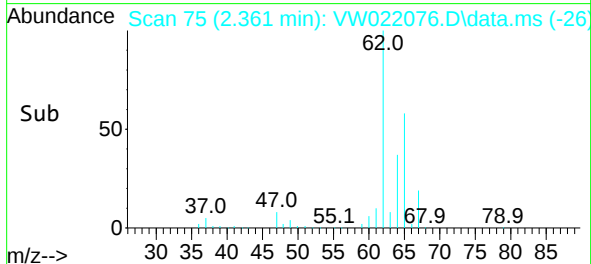
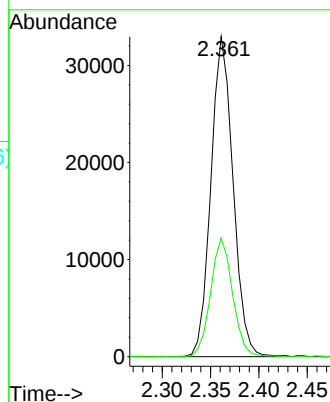
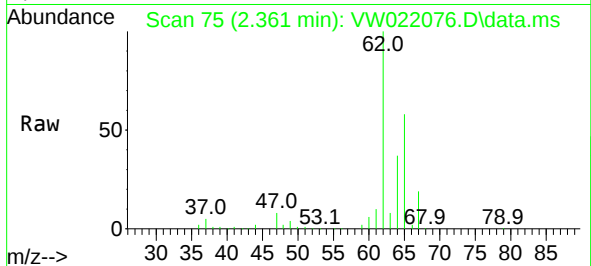




#5  
 Vinyl chloride  
 Concen: 22.507 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VW022076.D  
 Acq: 09 Feb 2022 08:52

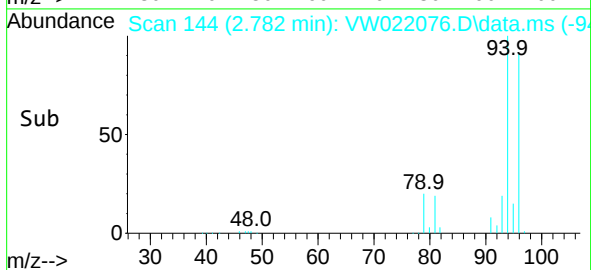
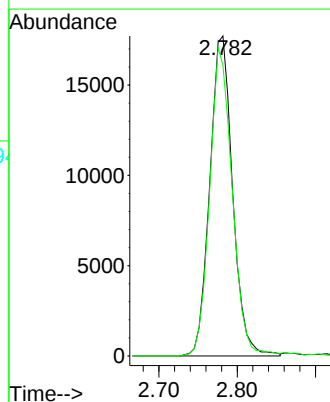
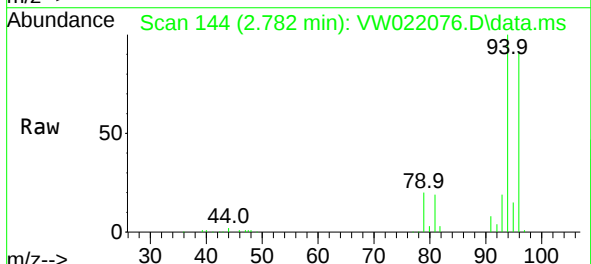
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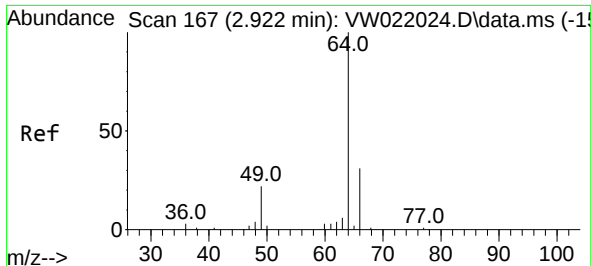
Tgt Ion: 62 Resp: 52461  
 Ion Ratio Lower Upper  
 62 100  
 64 37.1 24.6 45.6



#6  
 Bromomethane  
 Concen: 18.074 ug/L  
 RT: 2.782 min Scan# 144  
 Delta R.T. 0.006 min  
 Lab File: VW022076.D  
 Acq: 09 Feb 2022 08:52

Tgt Ion: 94 Resp: 35823  
 Ion Ratio Lower Upper  
 94 100  
 96 90.8 64.6 120.0





#8

Chloroethane

Concen: 23.130 ug/L

RT: 2.922 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

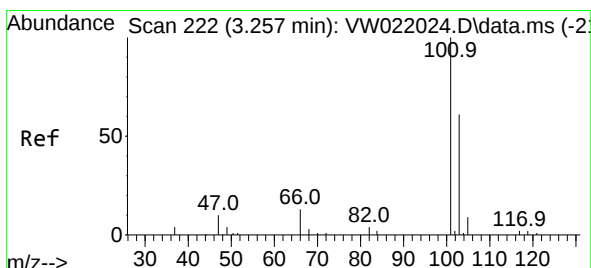
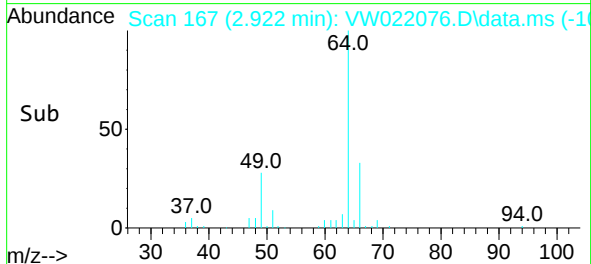
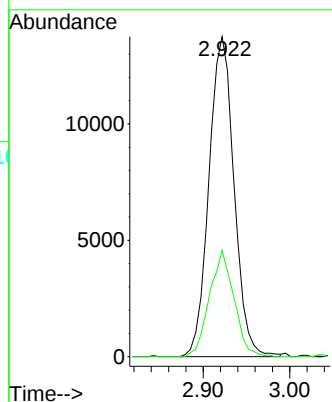
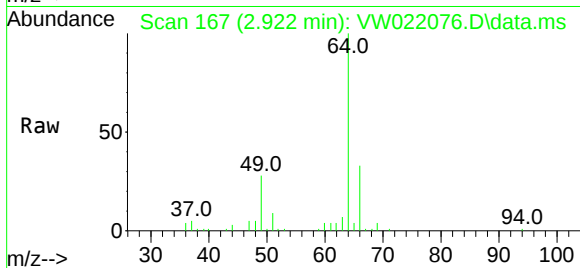
VSTD025556

Tgt Ion: 64 Resp: 27703

Ion Ratio Lower Upper

64 100

66 33.2 22.3 41.5



#9

Trichlorofluoromethane

Concen: 22.074 ug/L

RT: 3.263 min Scan# 223

Delta R.T. 0.006 min

Lab File: VW022076.D

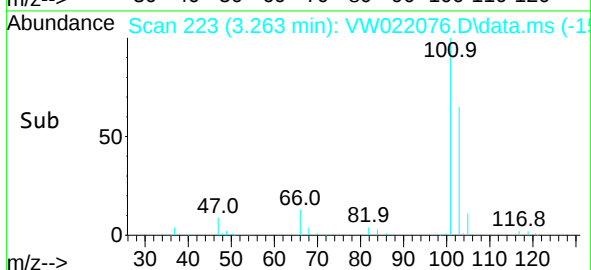
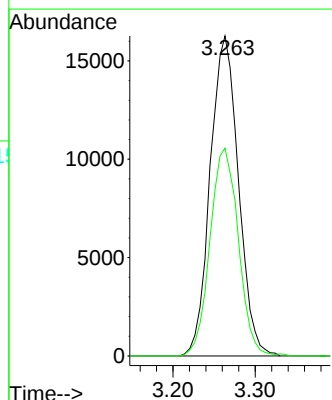
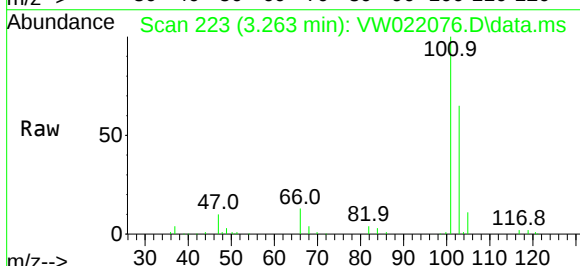
Acq: 09 Feb 2022 08:52

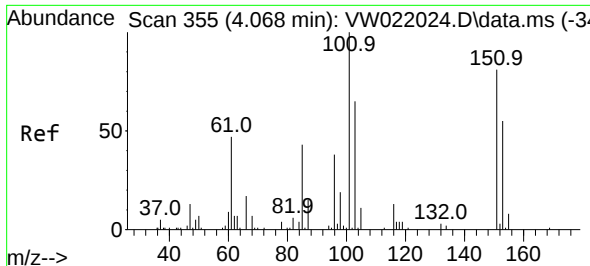
Tgt Ion: 101 Resp: 38841

Ion Ratio Lower Upper

101 100

103 65.0 52.9 79.3

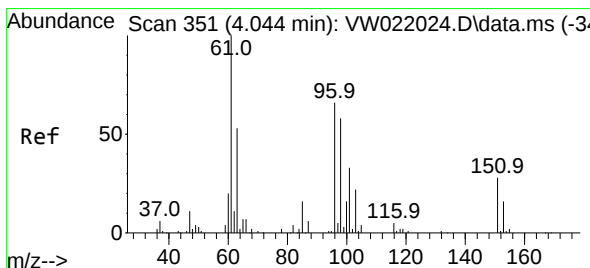
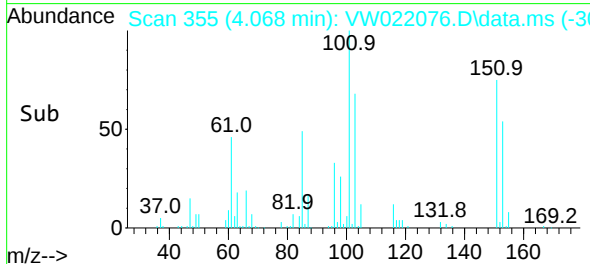
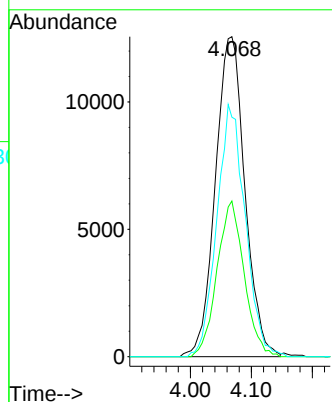
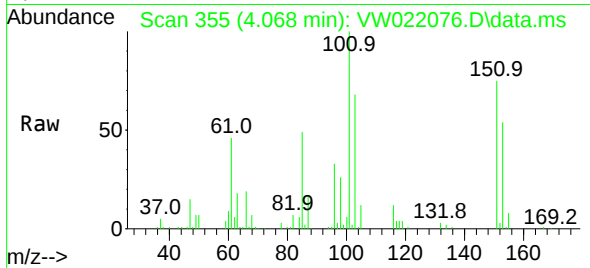




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 22.676 ug/L  
 RT: 4.068 min Scan# 310  
 Delta R.T. 0.006 min  
 Lab File: VW022076.D  
 Acq: 09 Feb 2022 08:52

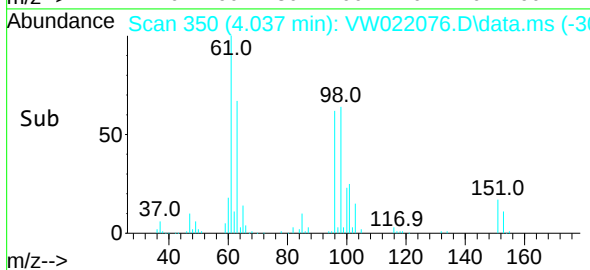
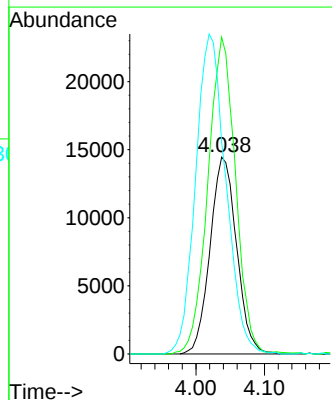
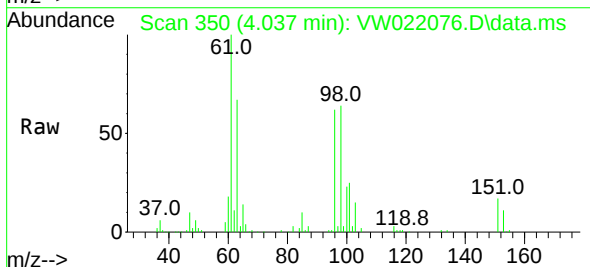
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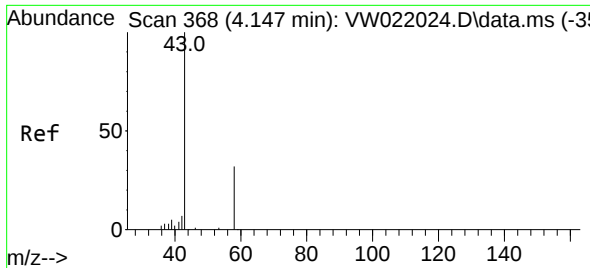
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 Ion Ratio Lower Upper  
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 85 44.7 36.8 55.2  
 151 75.9 64.1 96.1



#12  
 1,1-Dichloroethene  
 Concen: 22.575 ug/L  
 RT: 4.037 min Scan# 350  
 Delta R.T. -0.000 min  
 Lab File: VW022076.D  
 Acq: 09 Feb 2022 08:52

Tgt Ion: 96 Resp: 38841  
 Ion Ratio Lower Upper  
 96 100  
 61 160.9 111.5 207.1  
 63 107.6 83.1 154.3





#13

Acetone

Concen: 40.341 ug/L

RT: 4.135 min Scan# 366

Delta R.T. 0.018 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

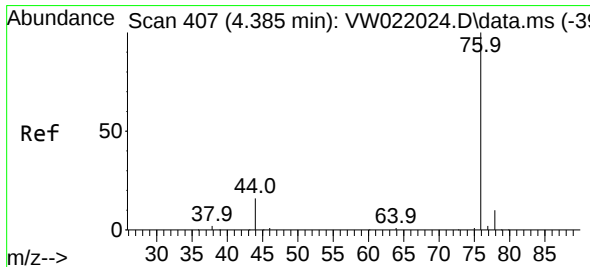
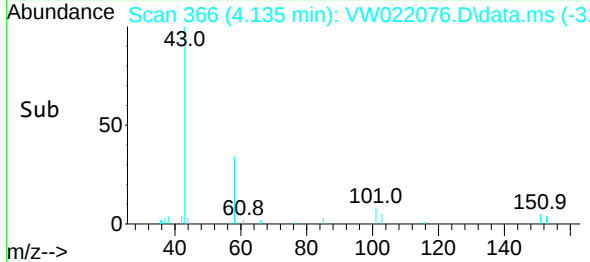
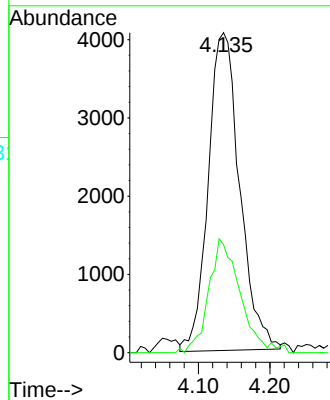
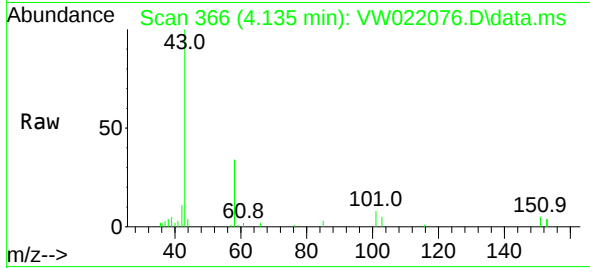
VSTD025556

Tgt Ion: 43 Resp: 12430

Ion Ratio Lower Upper

43 100

58 34.6 0.0 66.0



#14

Carbon disulfide

Concen: 20.714 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW022076.D

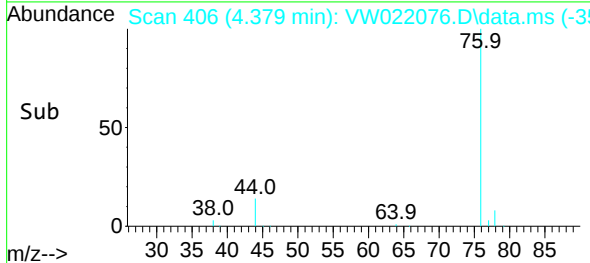
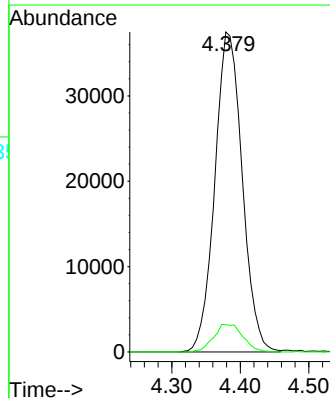
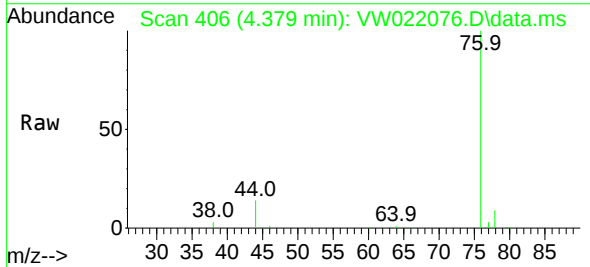
Acq: 09 Feb 2022 08:52

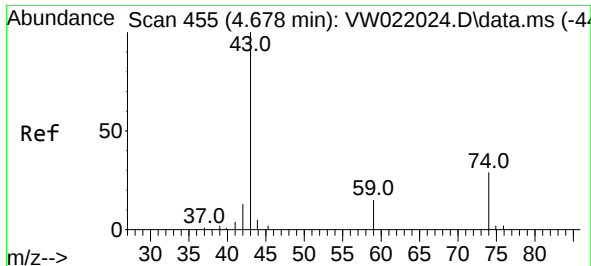
Tgt Ion: 76 Resp: 103954

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2

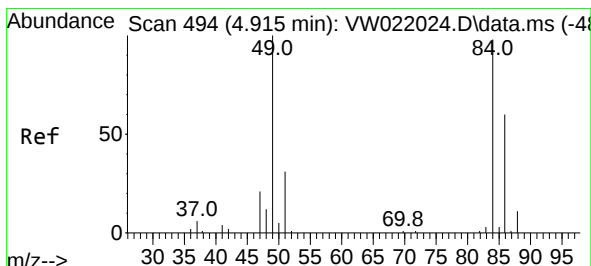
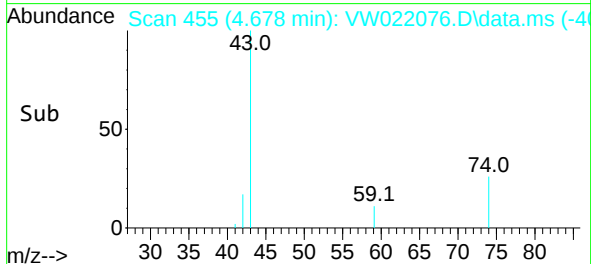
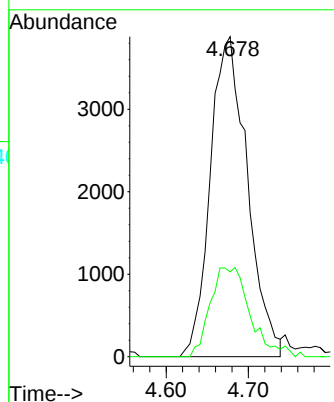
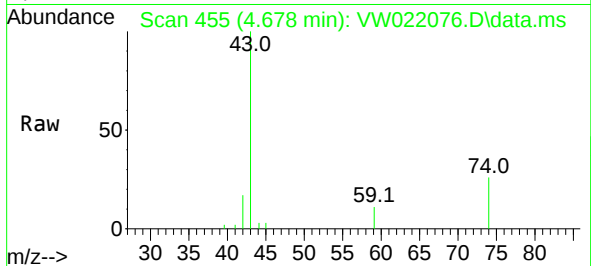




#15  
Methyl Acetate  
Concen: 21.578 ug/L  
RT: 4.678 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

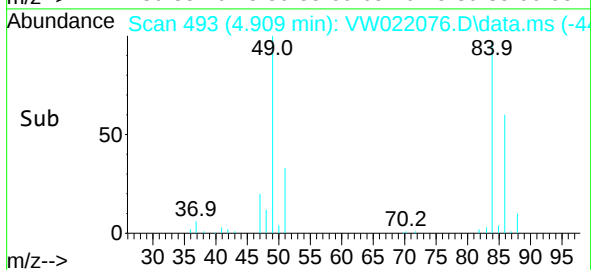
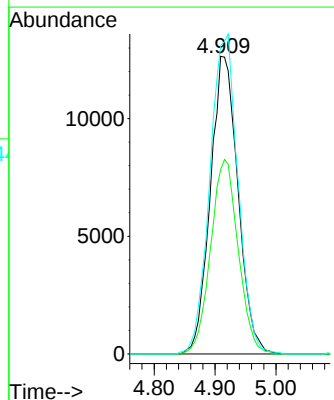
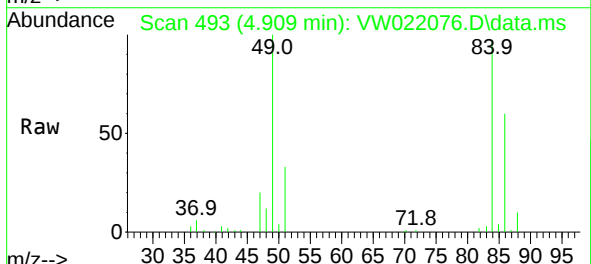
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025556

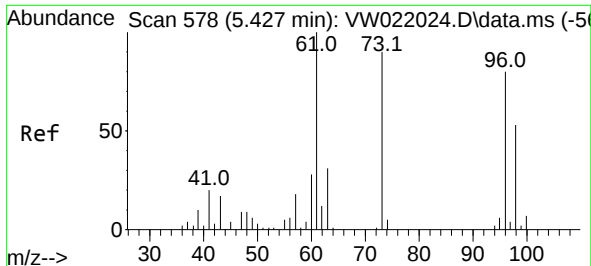
Tgt Ion: 43 Resp: 12158  
Ion Ratio Lower Upper  
43 100  
74 16.0 18.0 27.0#



#16  
Methylene chloride  
Concen: 22.182 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.006 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

Tgt Ion: 84 Resp: 39914  
Ion Ratio Lower Upper  
84 100  
86 62.0 44.1 81.9  
49 103.6 74.7 138.7





#17

trans-1,2-Dichloroethene

Concen: 22.570 ug/L

RT: 5.421 min Scan# 5

Delta R.T. -0.006 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025556

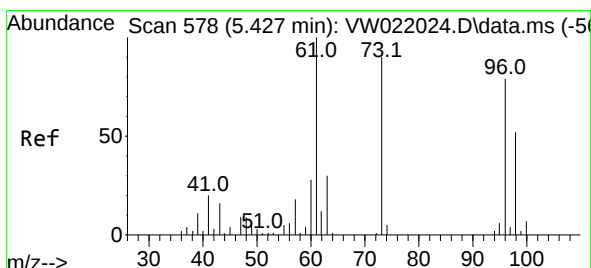
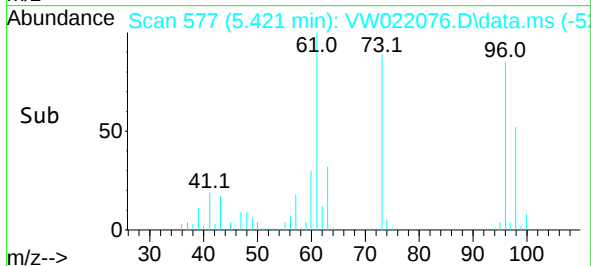
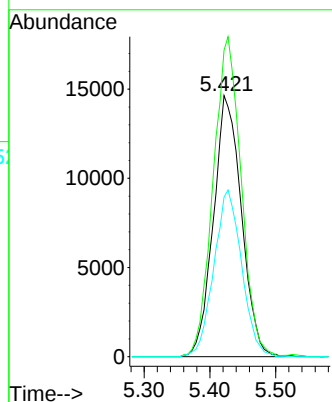
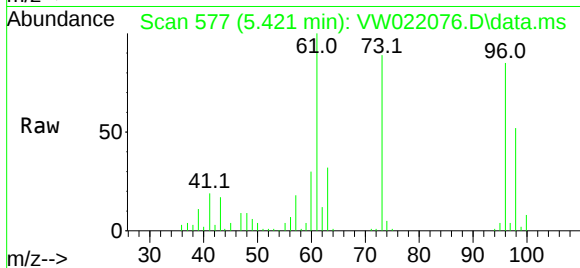
Tgt Ion: 96 Resp: 43303

Ion Ratio Lower Upper

96 100

61 117.3 84.3 156.5

98 61.1 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 21.939 ug/L

RT: 5.428 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

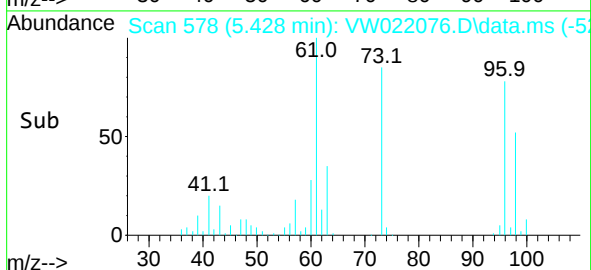
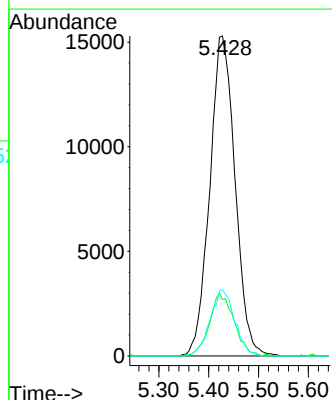
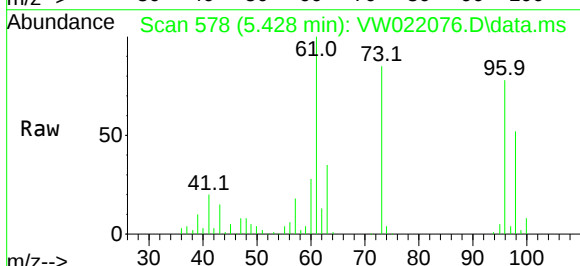
Tgt Ion: 73 Resp: 53972

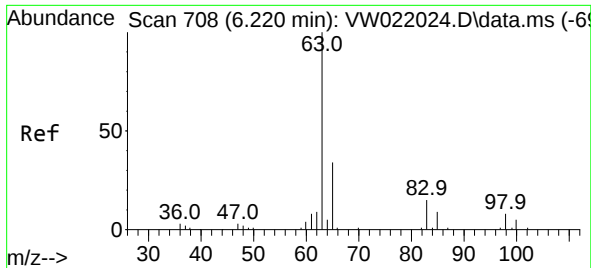
Ion Ratio Lower Upper

73 100

43 19.0 15.3 22.9

57 20.1 16.3 24.5





#19

1,1-Dichloroethane

Concen: 23.454 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025556

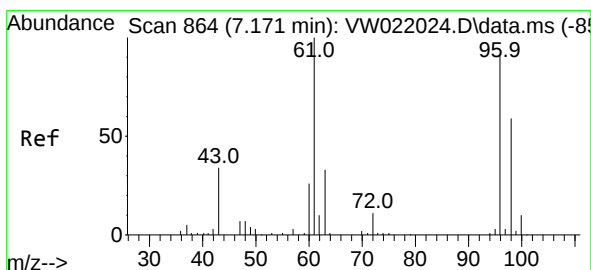
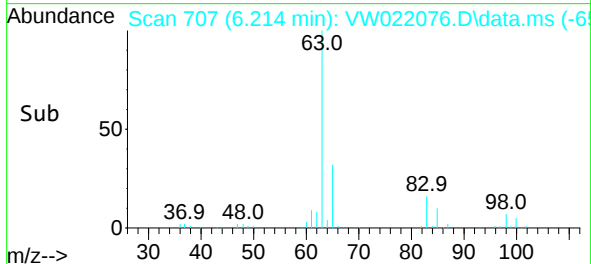
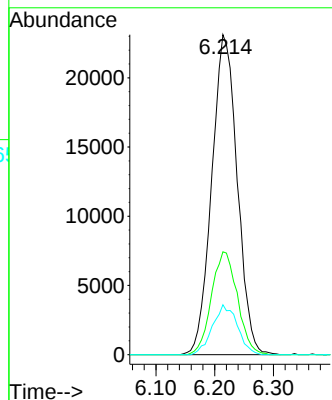
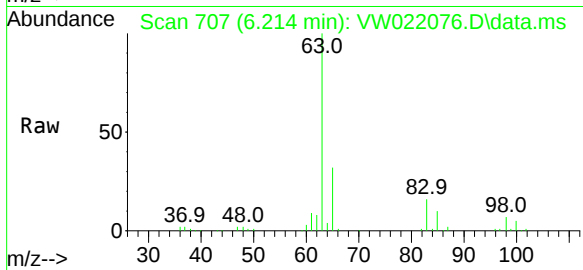
Tgt Ion: 63 Resp: 69719

Ion Ratio Lower Upper

63 100

65 32.1 20.9 38.7

83 15.6 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 23.587 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

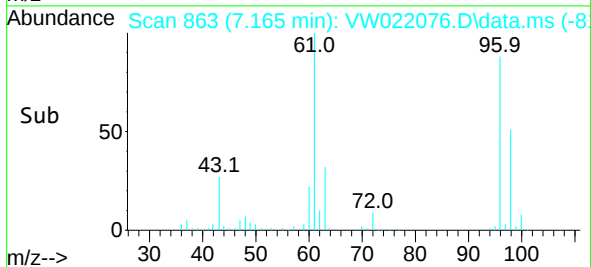
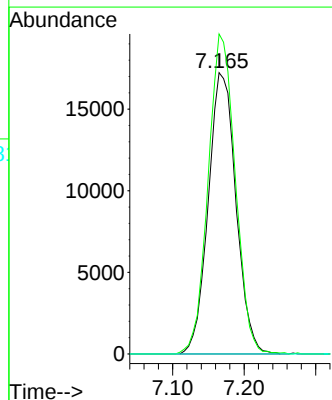
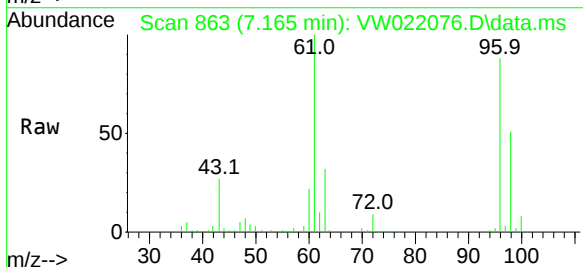
Tgt Ion: 96 Resp: 46438

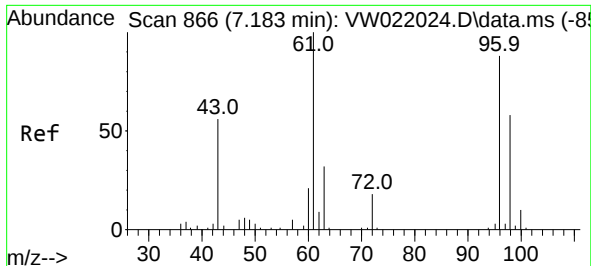
Ion Ratio Lower Upper

96 100

61 113.8 79.0 146.8

68 0.0 0.0 0.0

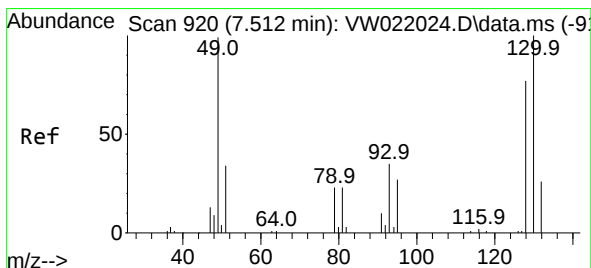
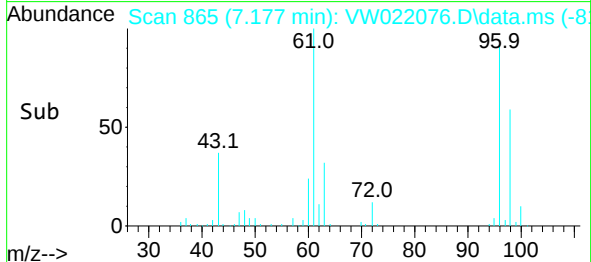
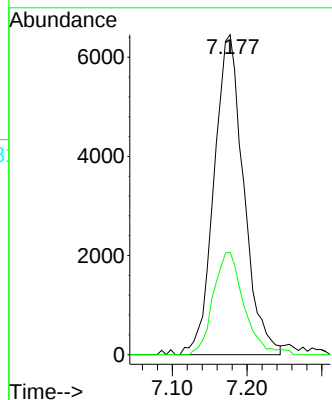
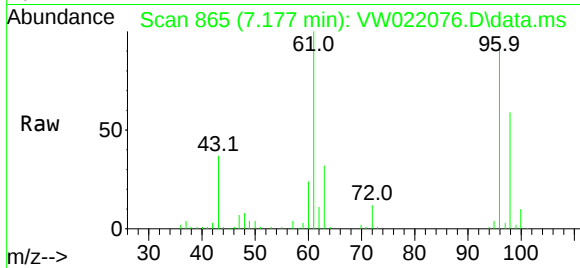




#22  
2-Butanone  
Concen: 44.666 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.012 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

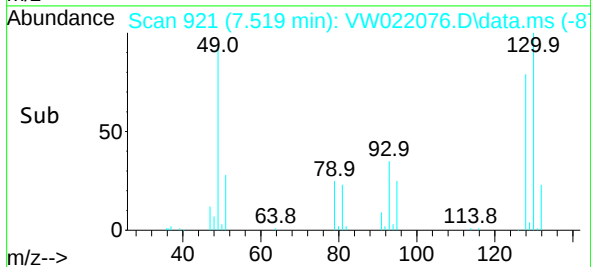
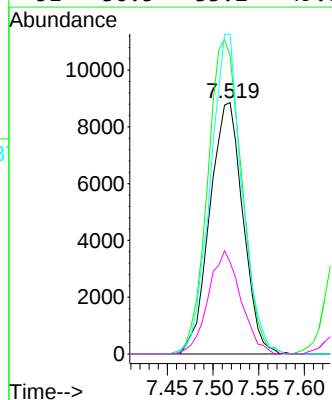
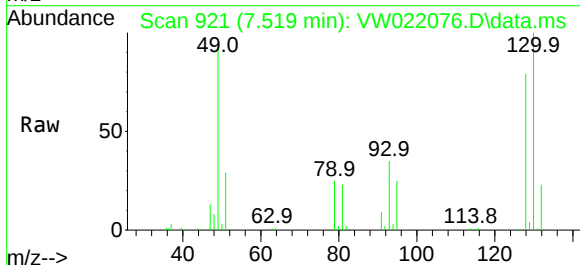
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025556

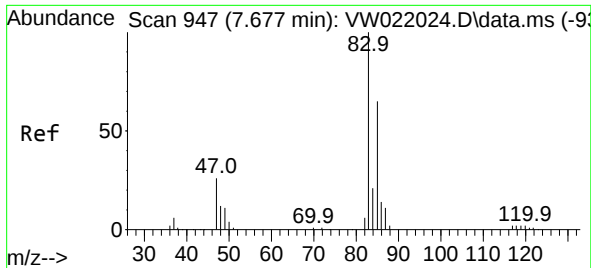
Tgt Ion: 43 Resp: 17819  
Ion Ratio Lower Upper  
43 100  
72 32.1 16.8 50.4



#23  
Bromochloromethane  
Concen: 22.940 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.006 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

Tgt Ion: 128 Resp: 22239  
Ion Ratio Lower Upper  
128 100  
49 118.6 92.7 172.3  
130 127.3 92.5 171.7  
51 36.5 33.2 49.8

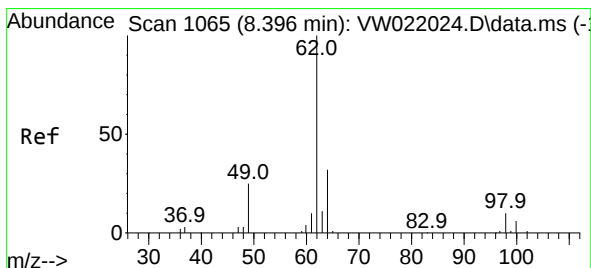
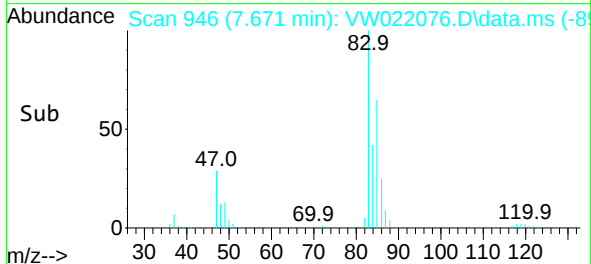
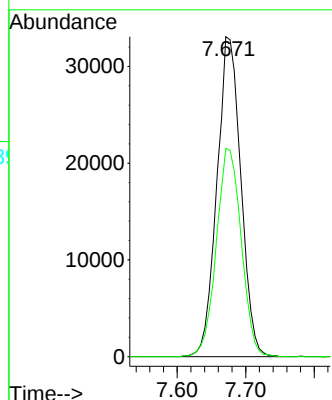
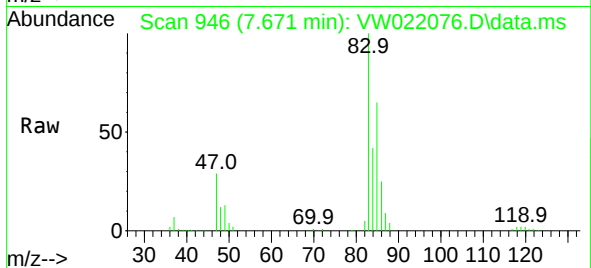




#25  
Chloroform  
Concen: 23.815 ug/L  
RT: 7.671 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

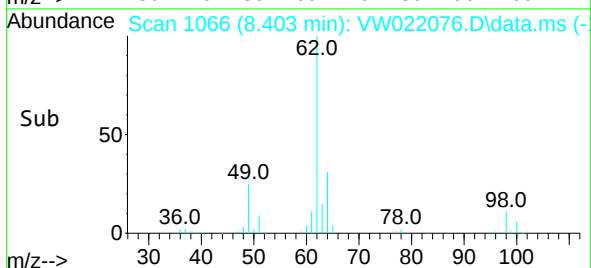
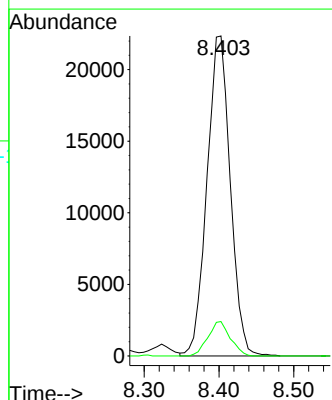
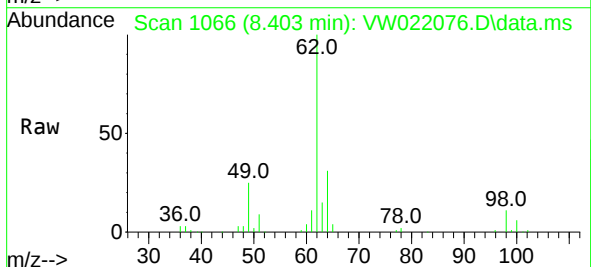
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025556

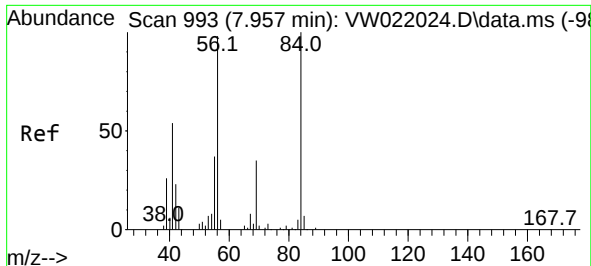
Tgt Ion: 83 Resp: 80128  
Ion Ratio Lower Upper  
83 100  
85 65.1 44.2 82.2



#27  
1,2-Dichloroethane  
Concen: 24.452 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

Tgt Ion: 62 Resp: 48429  
Ion Ratio Lower Upper  
62 100  
98 10.8 8.8 13.2





#29

Cyclohexane

Concen: 21.675 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025556

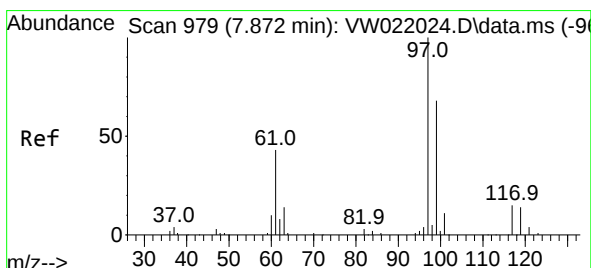
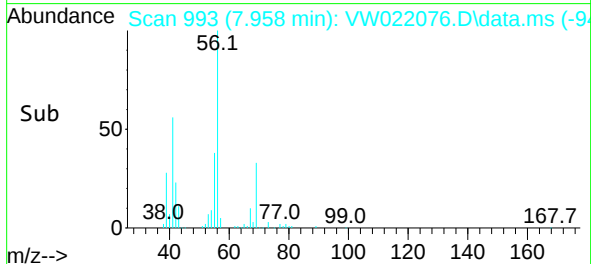
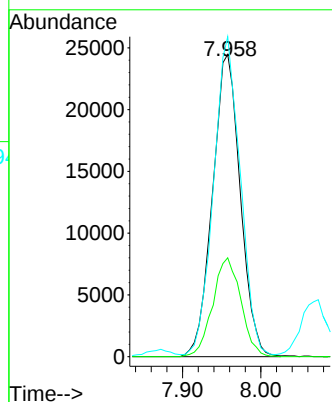
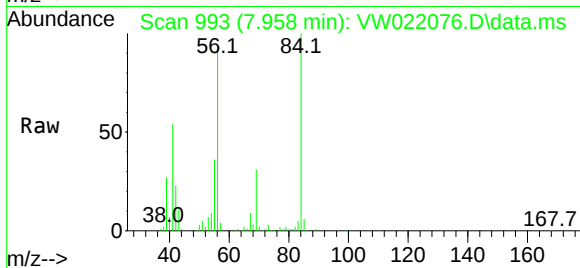
Tgt Ion: 56 Resp: 60278

Ion Ratio Lower Upper

56 100

69 33.2 26.3 39.5

84 102.7 82.3 123.5



#30

1,1,1-Trichloroethane

Concen: 22.592 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

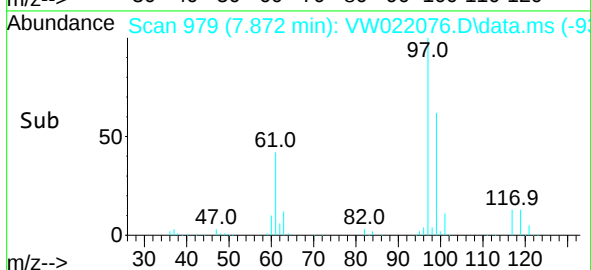
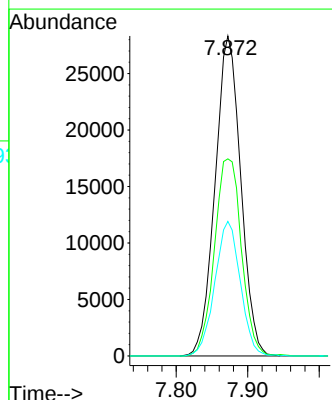
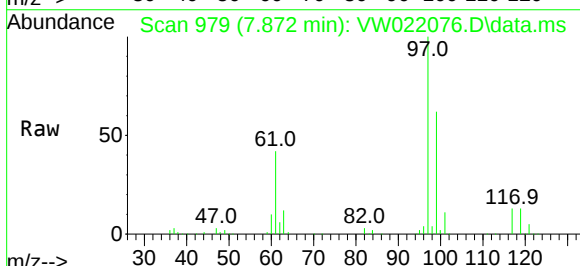
Tgt Ion: 97 Resp: 70831

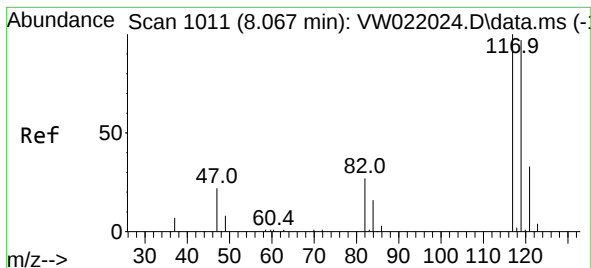
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 41.6 32.3 48.5





#31

Carbon tetrachloride

Concen: 22.136 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

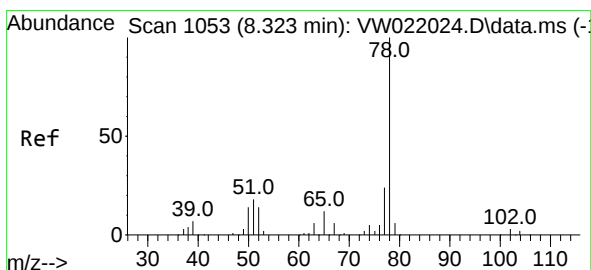
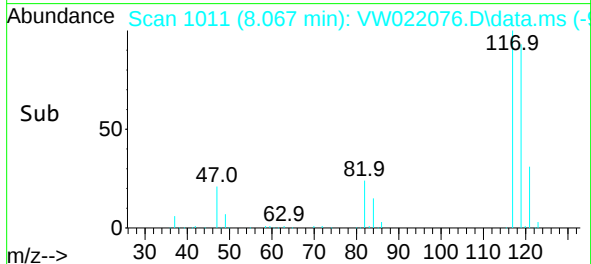
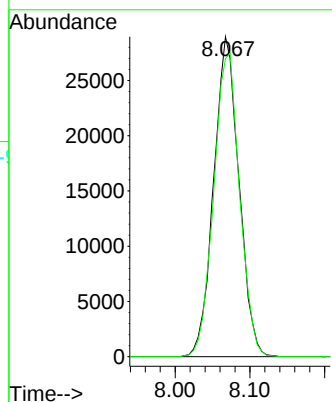
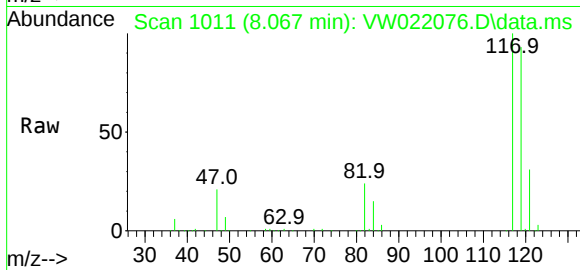
VSTD025556

Tgt Ion:117 Resp: 67931

Ion Ratio Lower Upper

117 100

119 97.5 74.7 112.1



#33

Benzene

Concen: 23.040 ug/L

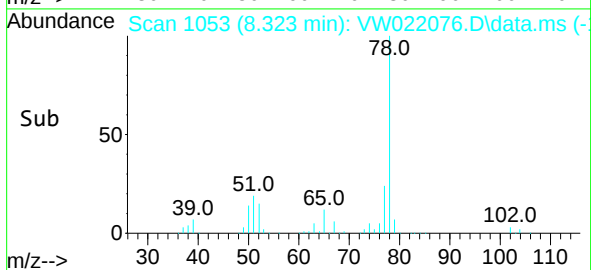
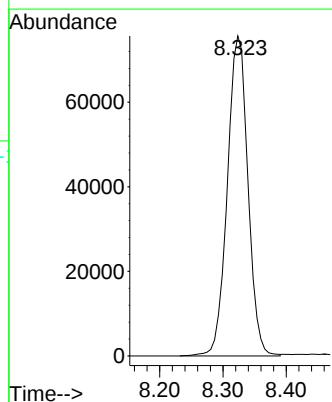
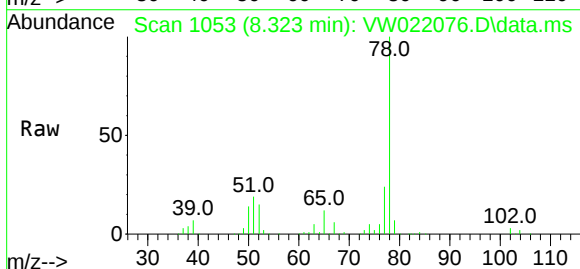
RT: 8.323 min Scan# 1053

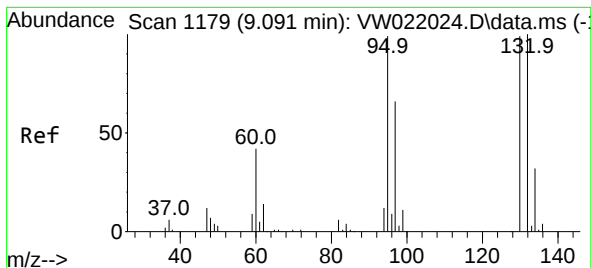
Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Tgt Ion: 78 Resp: 171143





#34

Trichloroethene

Concen: 23.194 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025556

Tgt Ion: 95 Resp: 48984

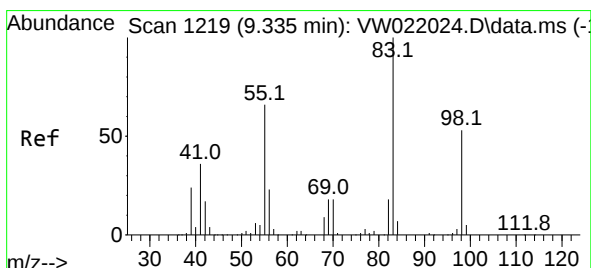
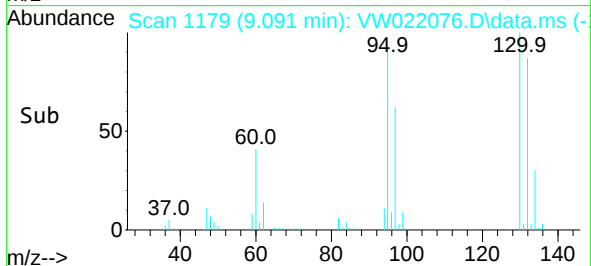
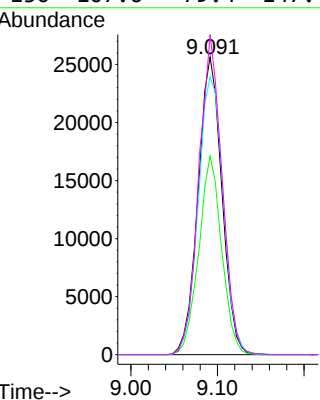
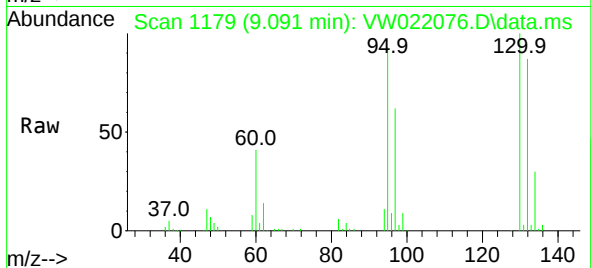
Ion Ratio Lower Upper

95 100

97 66.7 45.1 83.7

132 93.4 76.1 141.3

130 107.6 79.4 147.4



#35

Methylcyclohexane

Concen: 21.780 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

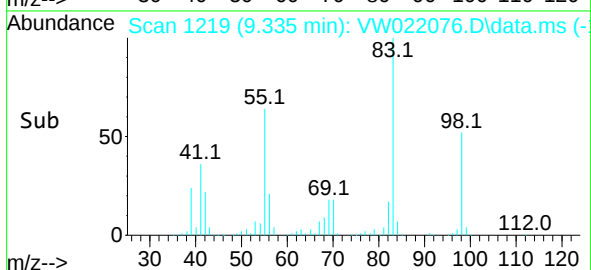
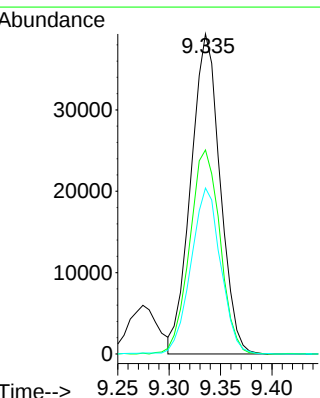
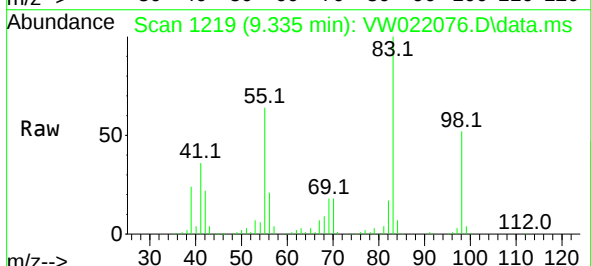
Tgt Ion: 83 Resp: 77600

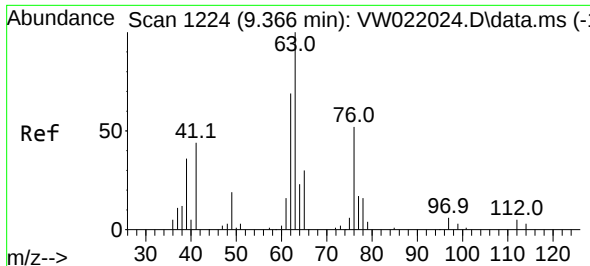
Ion Ratio Lower Upper

83 100

55 66.4 53.4 80.2

98 52.7 42.6 63.8





#37

1,2-Dichloropropane

Concen: 23.908 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

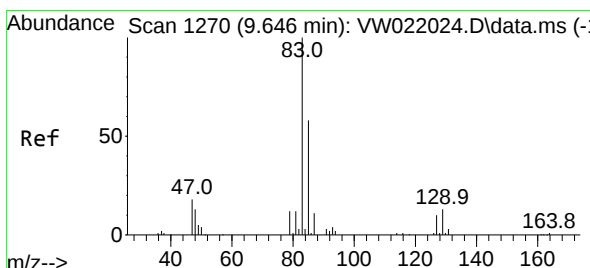
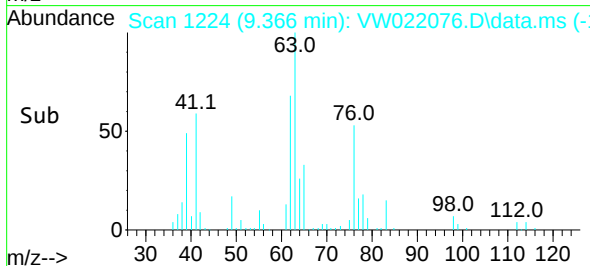
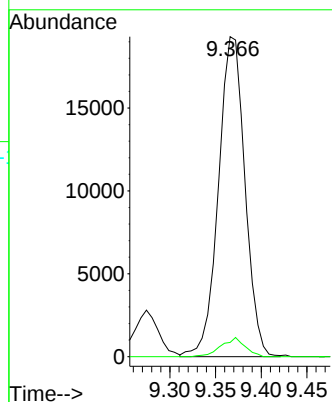
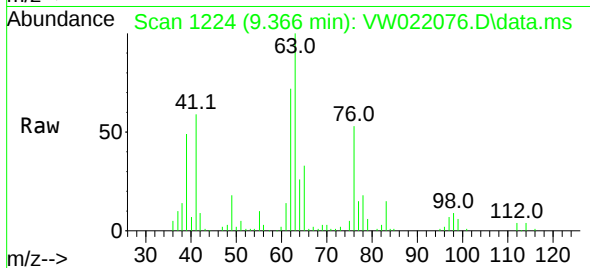
VSTD025556

Tgt Ion: 63 Resp: 39005

Ion Ratio Lower Upper

63 100

112 5.4 4.7 7.1



#38

Bromodichloromethane

Concen: 24.423 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

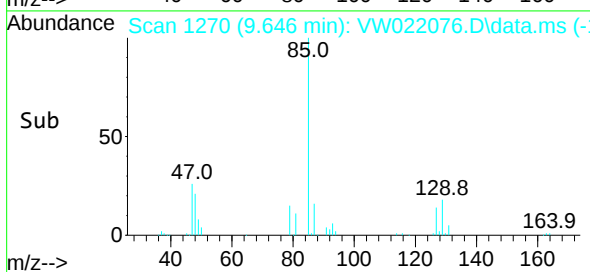
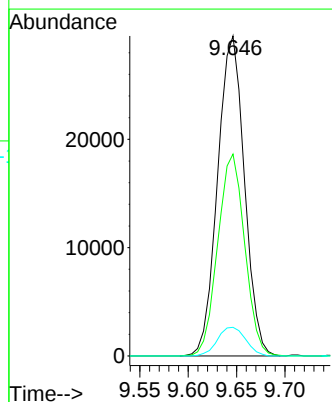
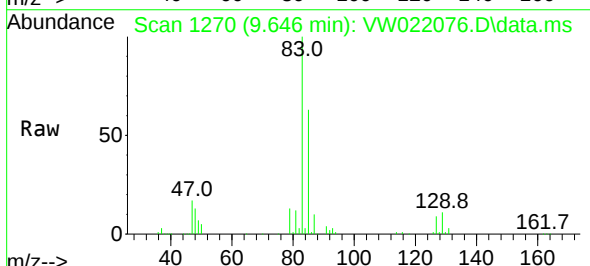
Tgt Ion: 83 Resp: 56902

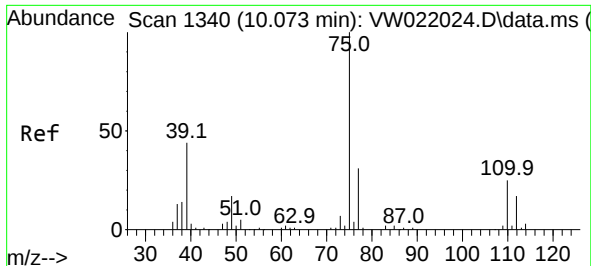
Ion Ratio Lower Upper

83 100

85 63.1 44.7 83.1

127 9.0 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 23.765 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

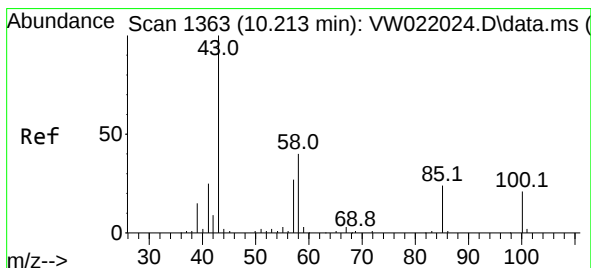
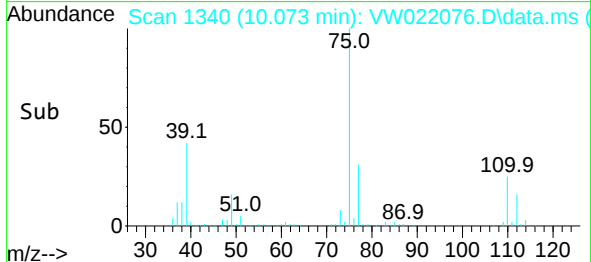
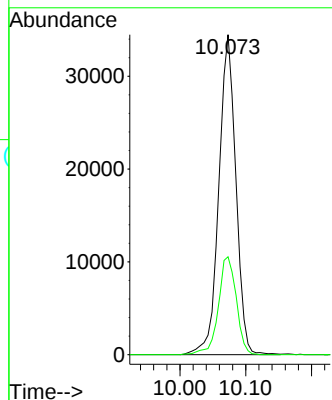
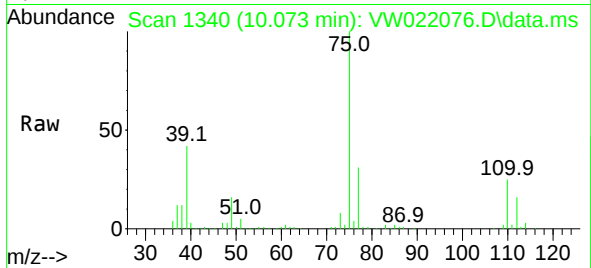
VSTD025556

Tgt Ion: 75 Resp: 62185

Ion Ratio Lower Upper

75 100

77 30.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 46.146 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

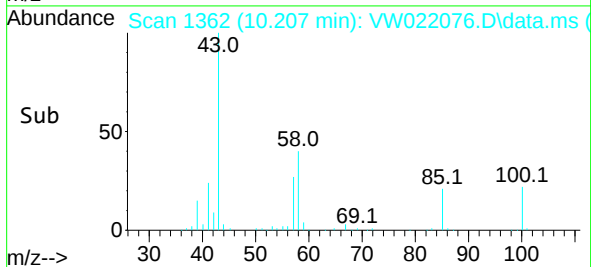
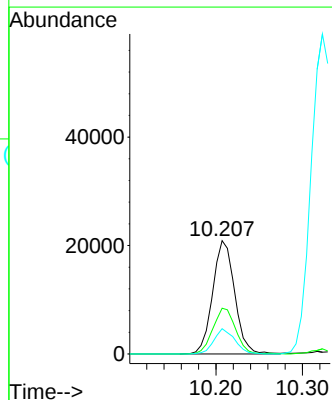
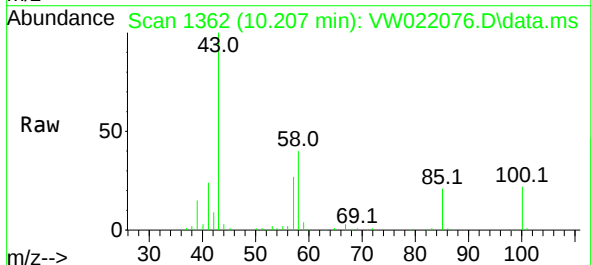
Tgt Ion: 43 Resp: 36937

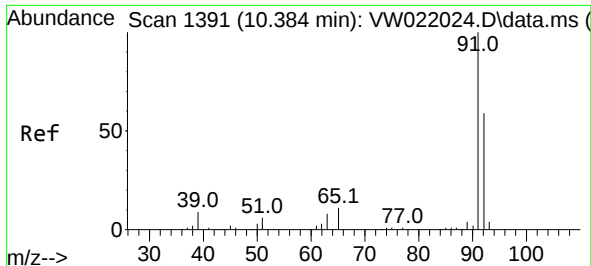
Ion Ratio Lower Upper

43 100

58 41.3 34.4 51.6

100 21.0 17.0 25.4





#42

Toluene

Concen: 23.303 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

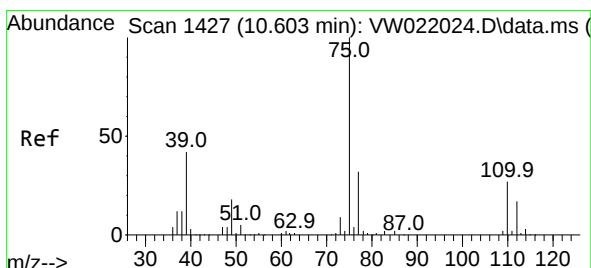
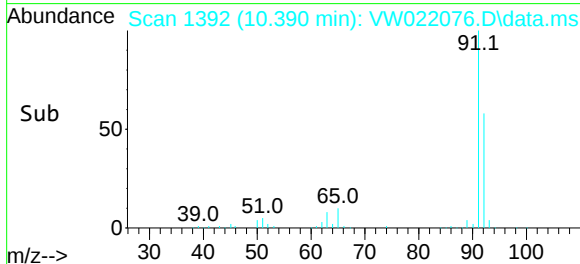
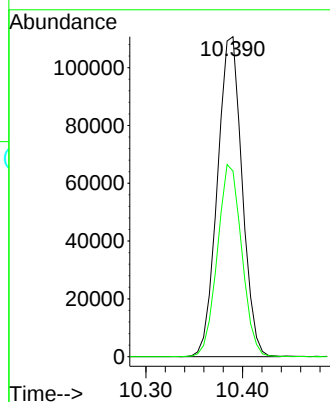
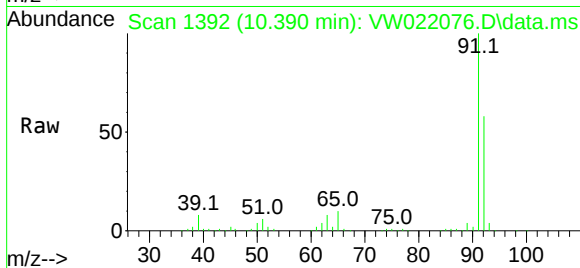
VSTD025556

Tgt Ion: 91 Resp: 196207

Ion Ratio Lower Upper

91 100

92 58.0 42.6 79.2



#44

trans-1,3-Dichloropropene

Concen: 23.834 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW022076.D

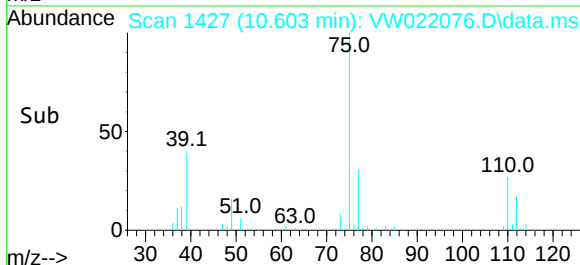
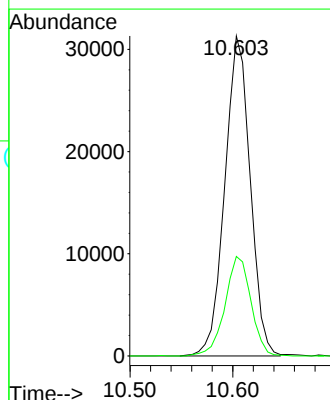
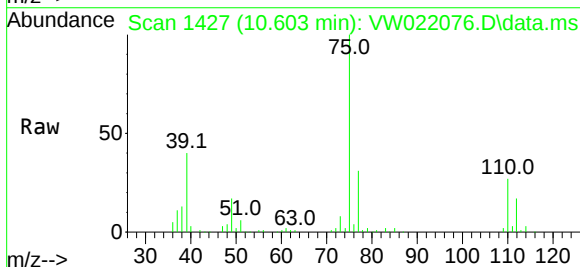
Acq: 09 Feb 2022 08:52

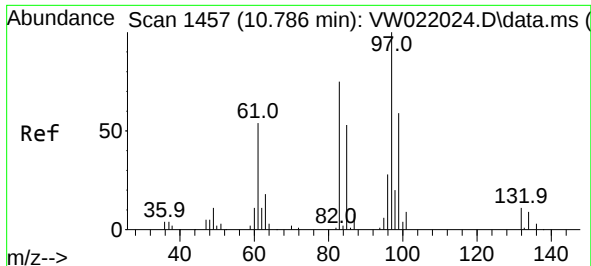
Tgt Ion: 75 Resp: 53762

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1

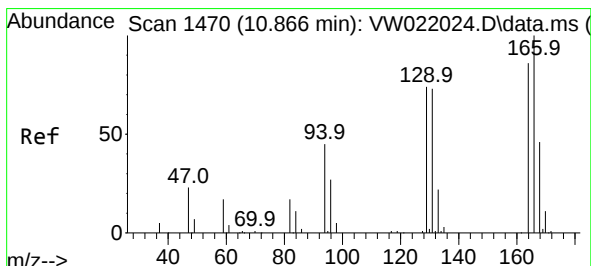
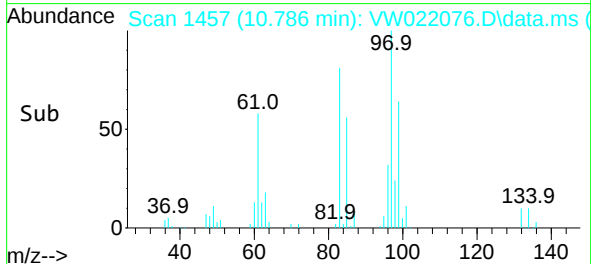
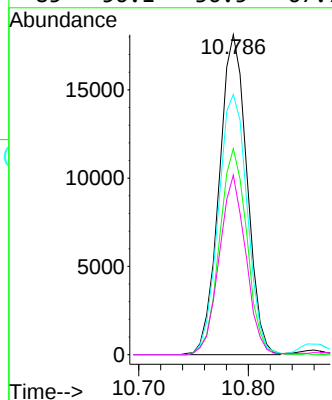
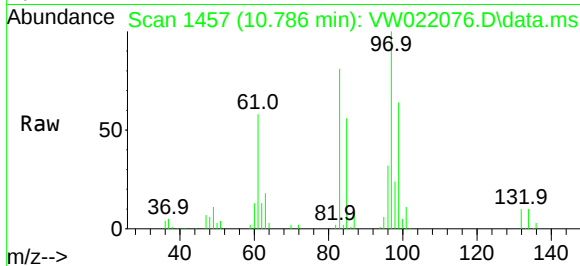




#45  
1,1,2-Trichloroethane  
Concen: 22.981 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

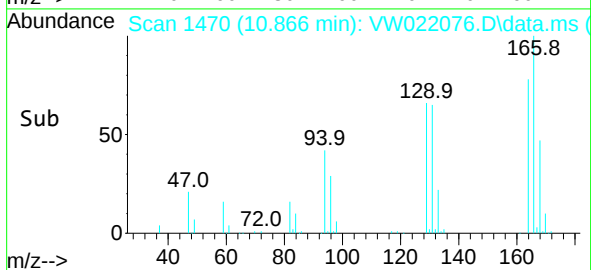
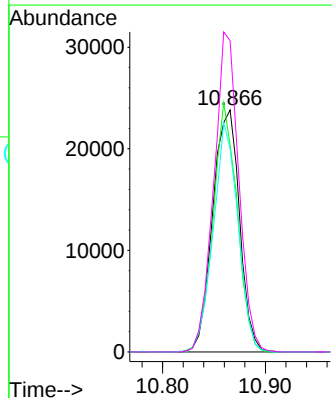
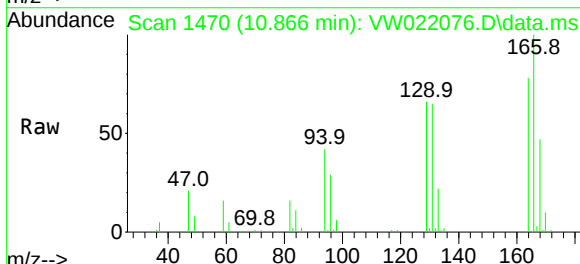
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025556

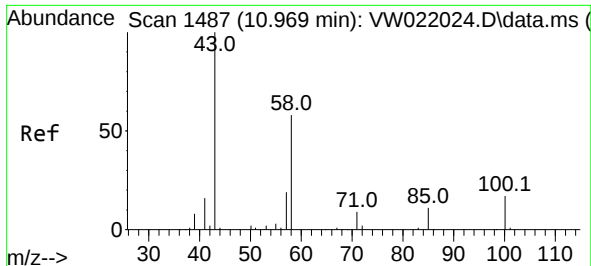
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 31867 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.4  | 43.8  | 81.4  |
| 83       | 81.3  | 56.1  | 104.3 |
| 85       | 56.1  | 36.5  | 67.7  |



#46  
Tetrachloroethene  
Concen: 21.852 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 43017 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 85.4  | 62.6  | 116.2 |
| 131      | 84.0  | 67.1  | 124.7 |
| 166      | 128.6 | 91.1  | 169.1 |

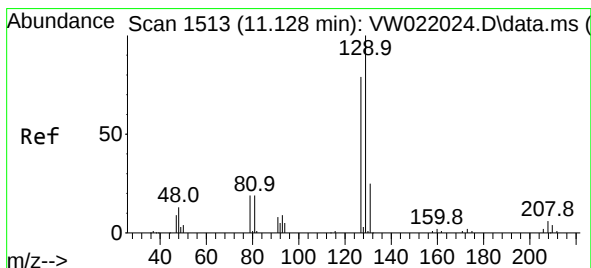
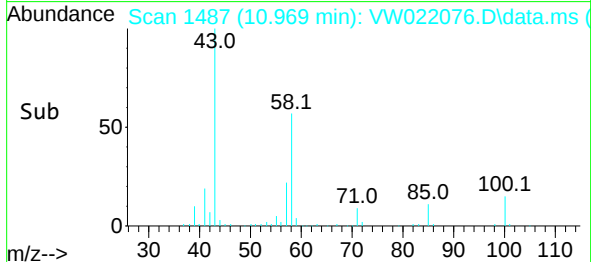
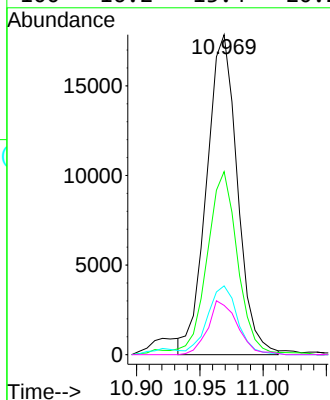
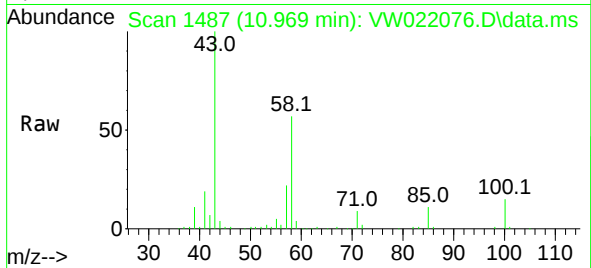




#48  
2-Hexanone  
Concen: 50.762 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

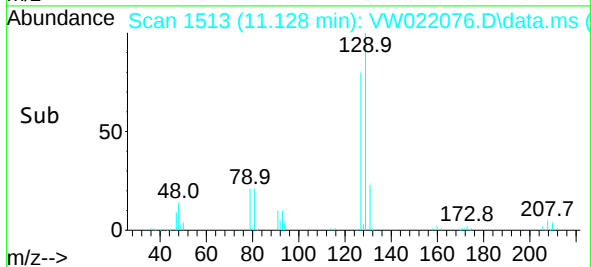
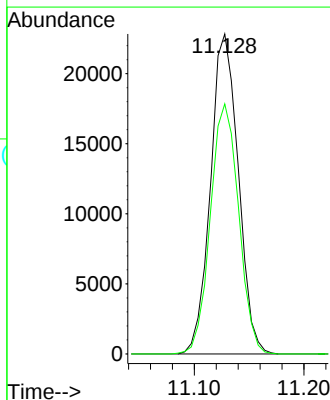
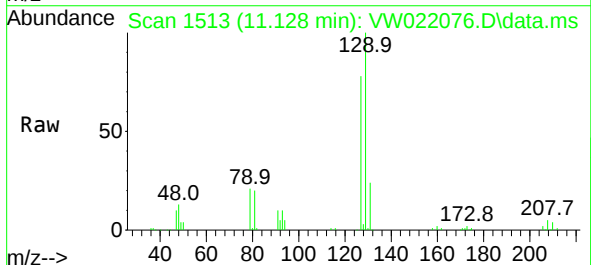
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025556

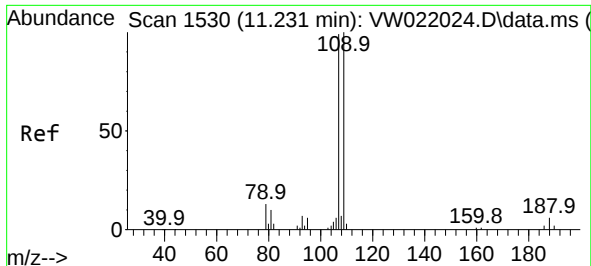
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 30243 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 56.8  | 49.2  | 73.8  |
| 57       | 21.0  | 16.6  | 24.8  |
| 100      | 16.2  | 13.4  | 20.2  |



#49  
Dibromochloromethane  
Concen: 23.023 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 40202 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 78.2  | 52.6  | 97.6  |





#50

1,2-Dibromoethane

Concen: 22.475 ug/L

RT: 11.237 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025556

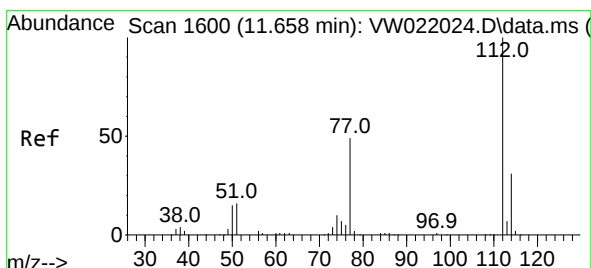
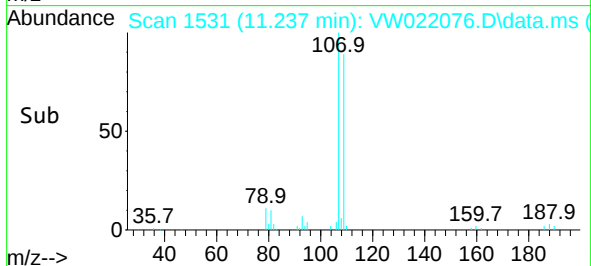
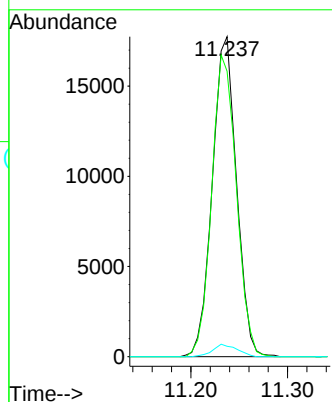
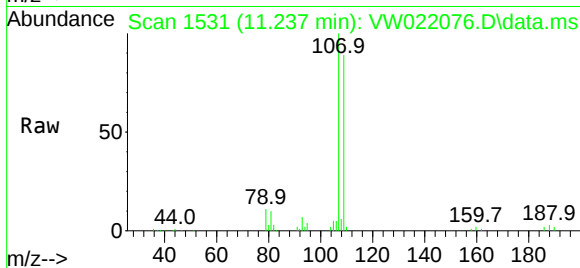
Tgt Ion:107 Resp: 30855

Ion Ratio Lower Upper

107 100

109 89.2 68.0 126.2

188 3.3 3.2 4.8



#51

Chlorobenzene

Concen: 22.784 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

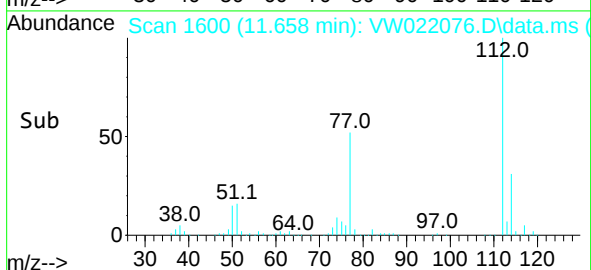
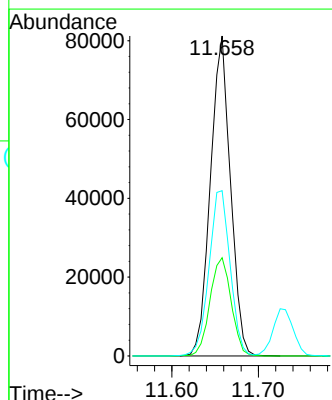
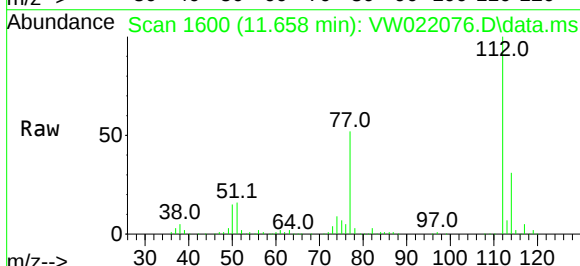
Tgt Ion:112 Resp: 130559

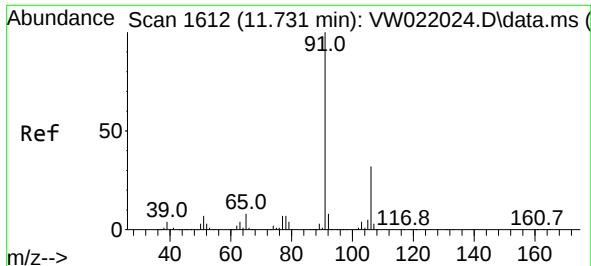
Ion Ratio Lower Upper

112 100

114 30.7 21.5 39.9

77 51.7 43.6 65.4

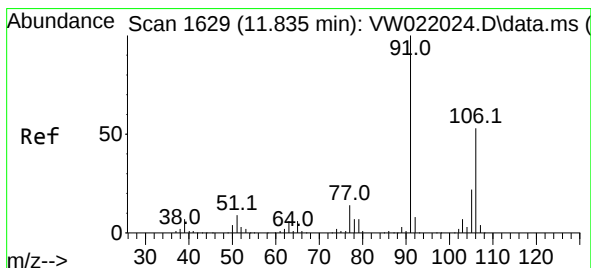
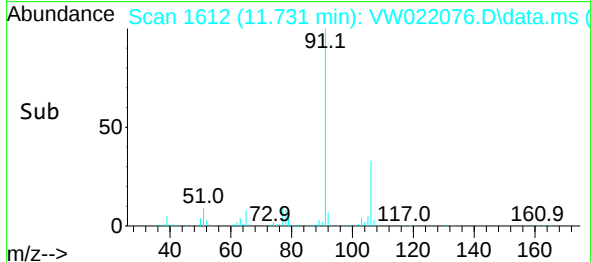
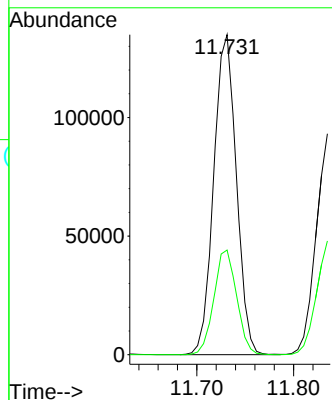
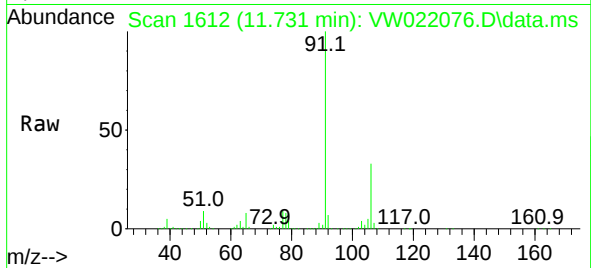




#52  
Ethylbenzene  
Concen: 23.595 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.006 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

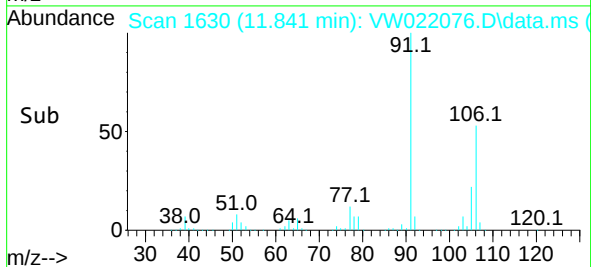
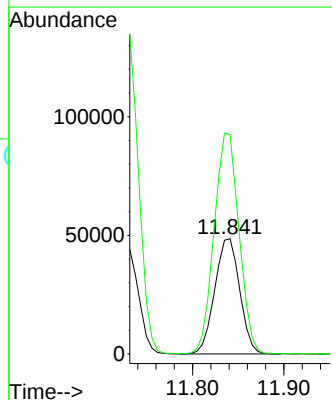
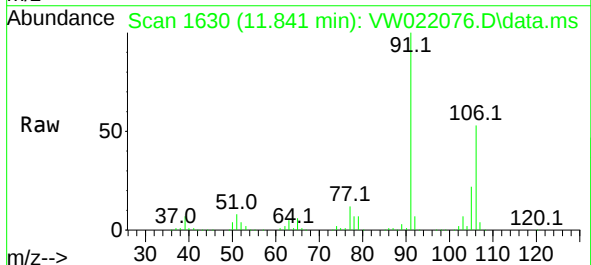
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025556

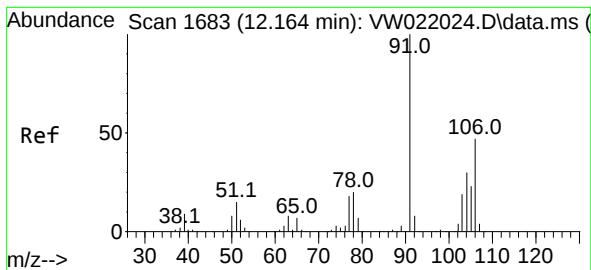
Tgt Ion: 91 Resp: 219196  
Ion Ratio Lower Upper  
91 100  
106 32.7 22.8 42.4



#53  
m,p-Xylene  
Concen: 23.917 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.006 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

Tgt Ion: 106 Resp: 92186  
Ion Ratio Lower Upper  
106 100  
91 190.5 129.6 240.8





#54

o-Xylene

Concen: 23.483 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

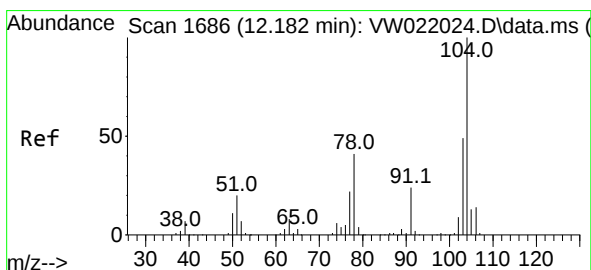
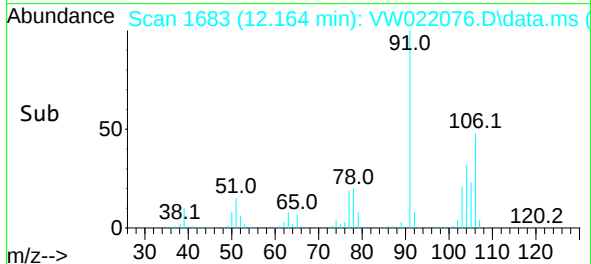
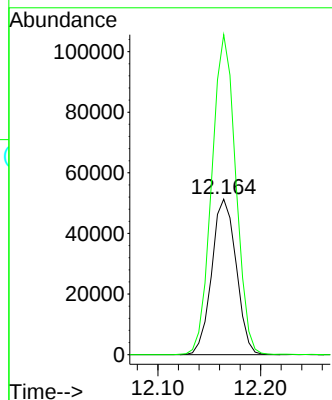
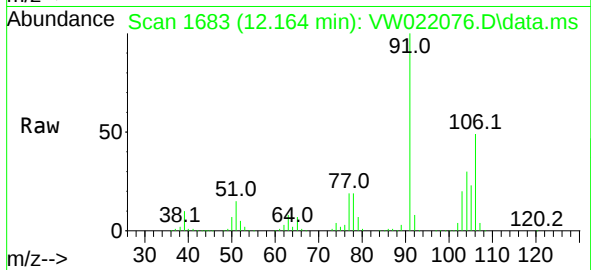
VSTD025556

Tgt Ion:106 Resp: 84671

Ion Ratio Lower Upper

106 100

91 205.7 136.4 253.4



#55

Styrene

Concen: 24.805 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW022076.D

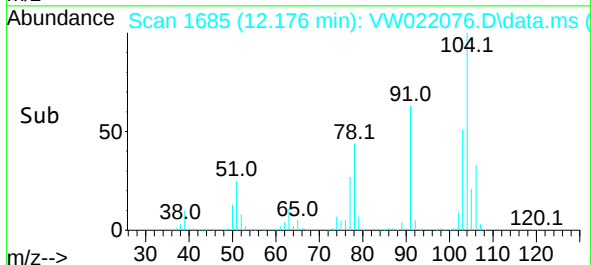
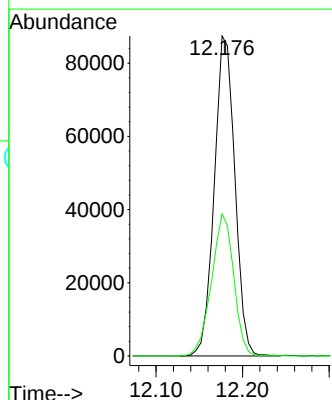
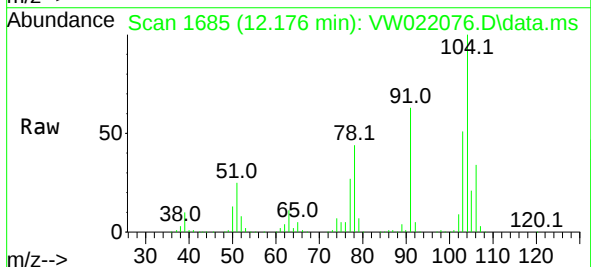
Acq: 09 Feb 2022 08:52

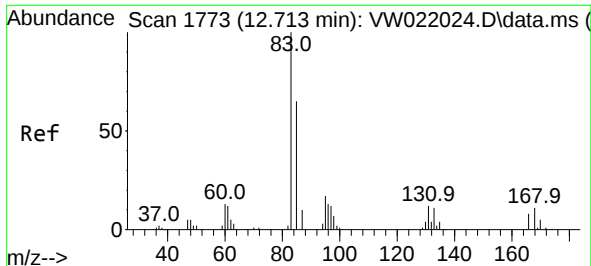
Tgt Ion:104 Resp: 144471

Ion Ratio Lower Upper

104 100

78 44.4 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 23.534 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025556

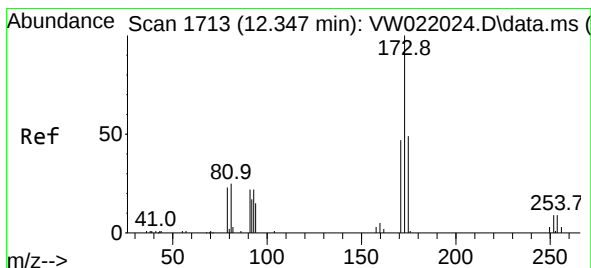
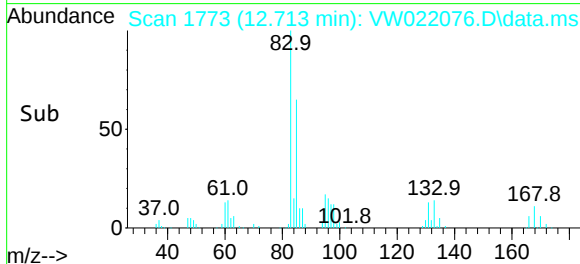
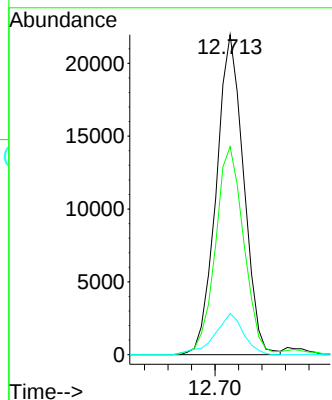
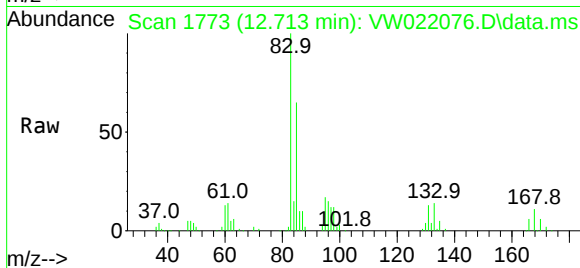
Tgt Ion: 83 Resp: 35521

Ion Ratio Lower Upper

83 100

85 65.0 43.8 81.3

131 12.9 9.8 14.8



#59

Bromoform

Concen: 21.919 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

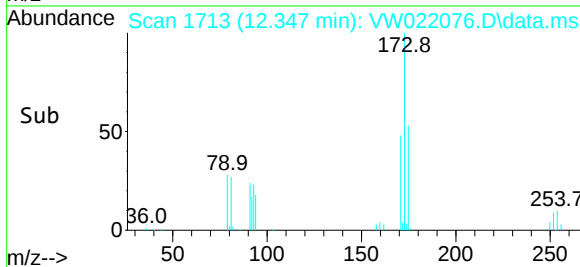
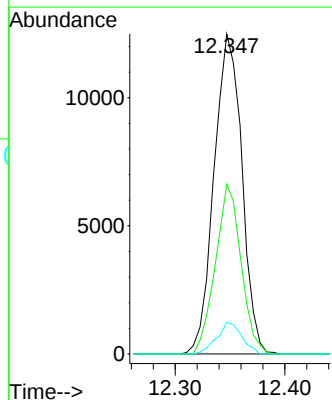
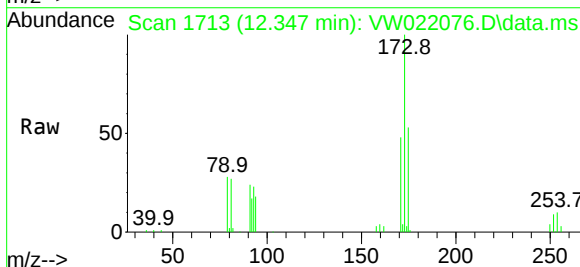
Tgt Ion: 173 Resp: 22004

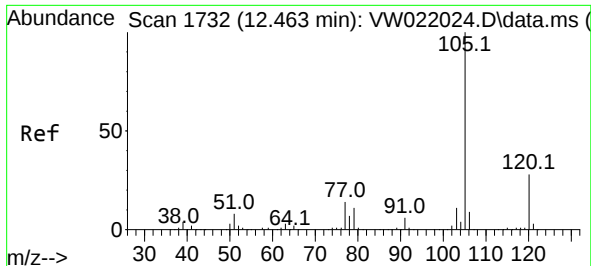
Ion Ratio Lower Upper

173 100

175 48.9 41.0 61.4

254 8.9 3.4 5.2#

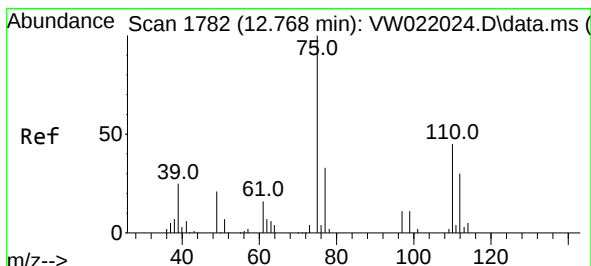
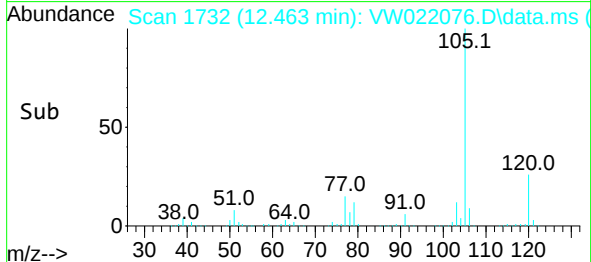
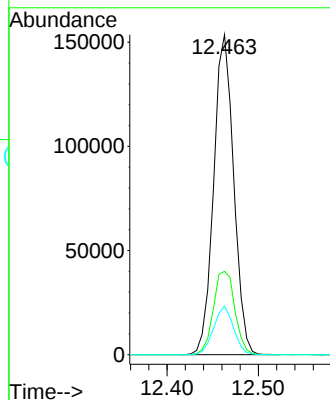
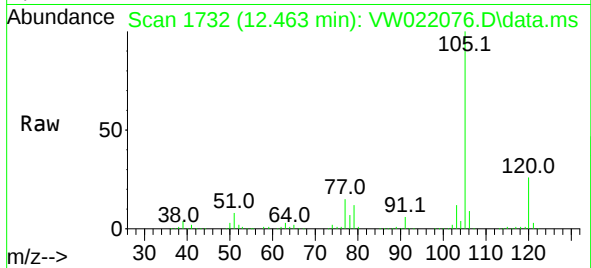




#60  
Isopropylbenzene  
Concen: 23.542 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

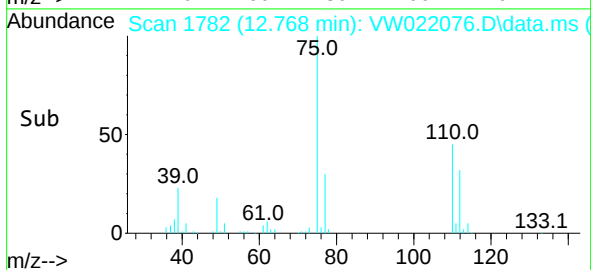
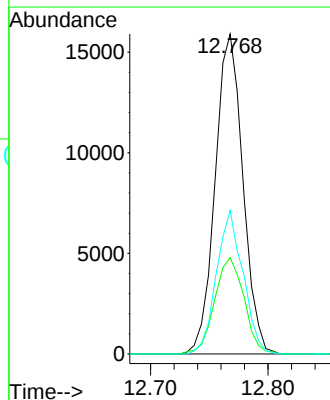
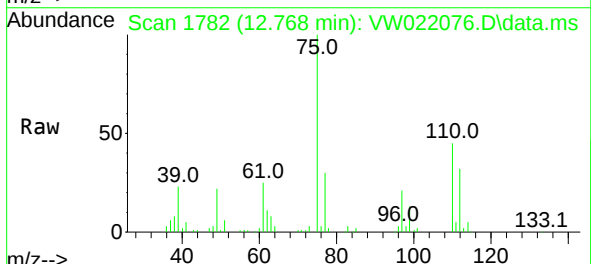
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025556

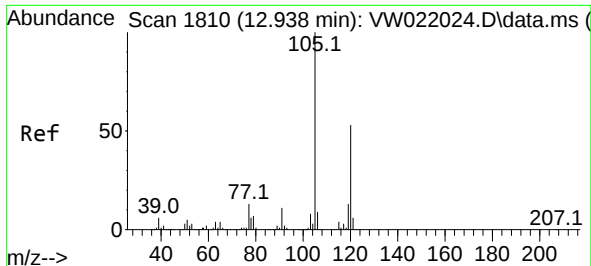
Tgt Ion:105 Resp: 233791  
Ion Ratio Lower Upper  
105 100  
120 28.0 22.1 33.1  
77 15.1 11.8 17.8



#61  
1,2,3-Trichloropropane  
Concen: 23.553 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

Tgt Ion: 75 Resp: 26080  
Ion Ratio Lower Upper  
75 100  
77 31.9 27.3 40.9  
110 43.0 36.4 54.6





#62

1,3,5-Trimethylbenzene

Concen: 24.048 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

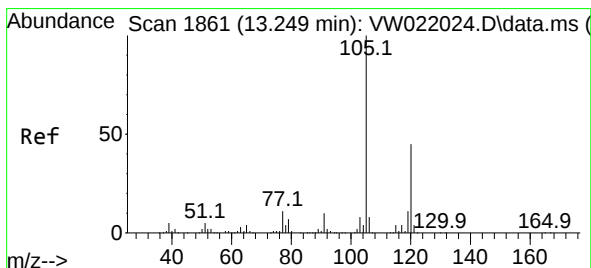
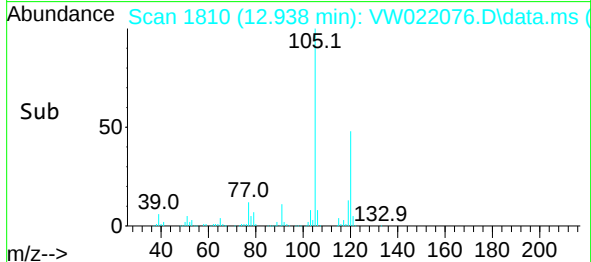
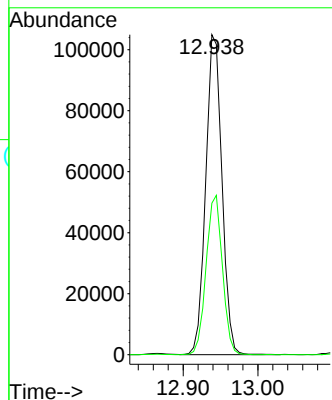
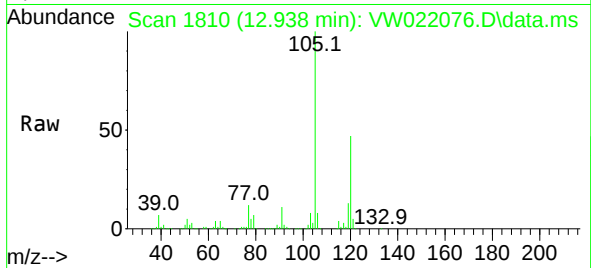
VSTD025556

Tgt Ion:105 Resp: 158384

Ion Ratio Lower Upper

105 100

120 49.9 40.9 61.3



#63

1,2,4-Trimethylbenzene

Concen: 24.247 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW022076.D

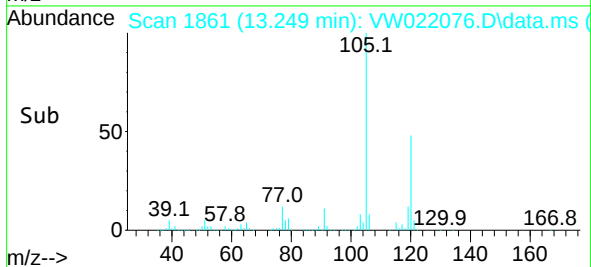
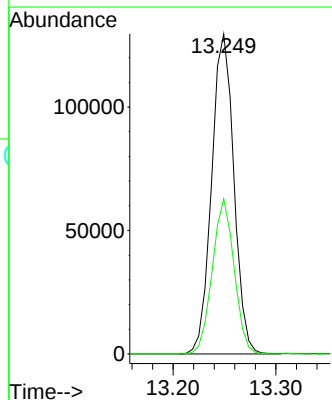
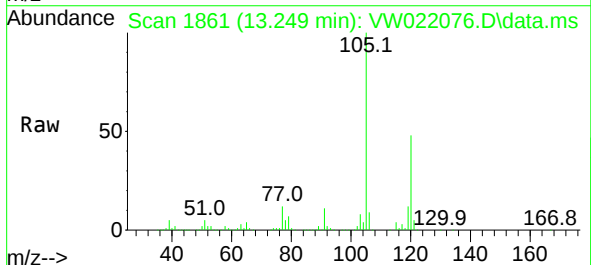
Acq: 09 Feb 2022 08:52

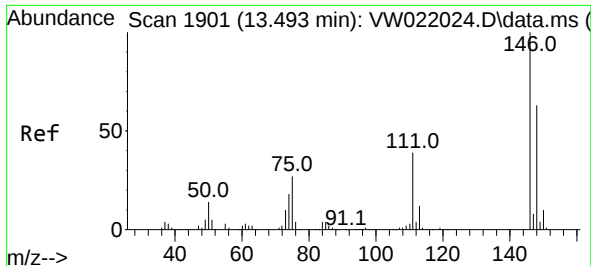
Tgt Ion:105 Resp: 194562

Ion Ratio Lower Upper

105 100

120 47.5 37.8 56.8

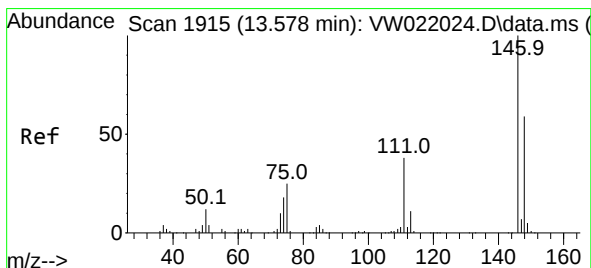
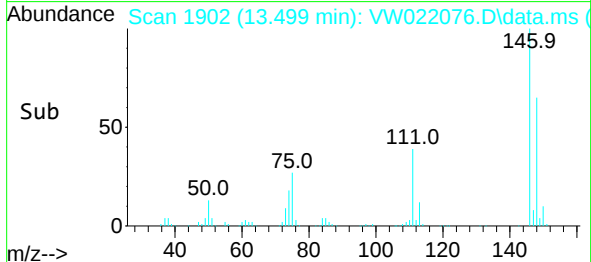
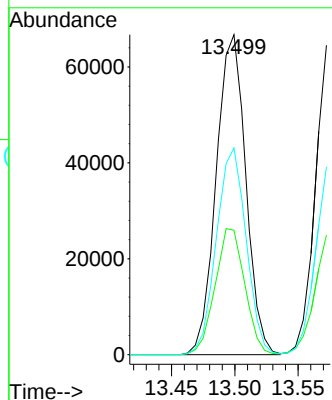
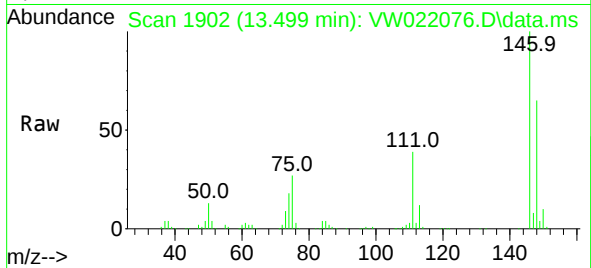




#64  
 1,3-Dichlorobenzene  
 Concen: 22.799 ug/L  
 RT: 13.499 min Scan# 1902  
 Delta R.T. -0.000 min  
 Lab File: VW022076.D  
 Acq: 09 Feb 2022 08:52

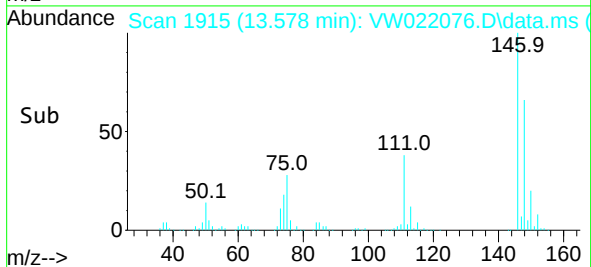
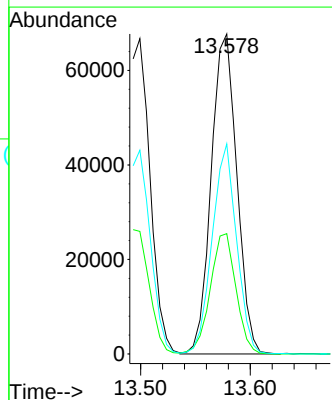
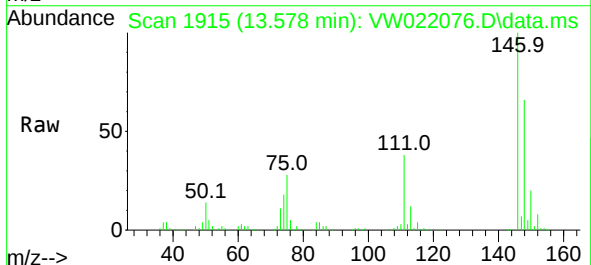
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025556

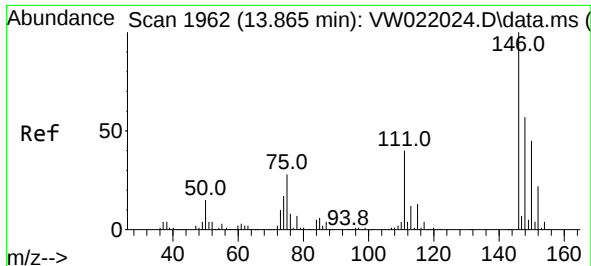
Tgt Ion:146 Resp: 108478  
 Ion Ratio Lower Upper  
 146 100  
 111 38.9 27.3 50.7  
 148 64.6 46.7 86.7



#65  
 1,4-Dichlorobenzene  
 Concen: 23.152 ug/L  
 RT: 13.578 min Scan# 1915  
 Delta R.T. 0.006 min  
 Lab File: VW022076.D  
 Acq: 09 Feb 2022 08:52

Tgt Ion:146 Resp: 110263  
 Ion Ratio Lower Upper  
 146 100  
 111 37.6 24.4 45.4  
 148 65.7 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 22.501 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025556

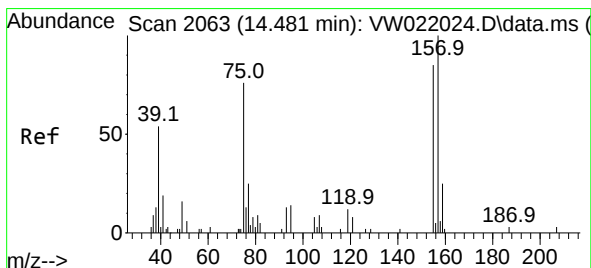
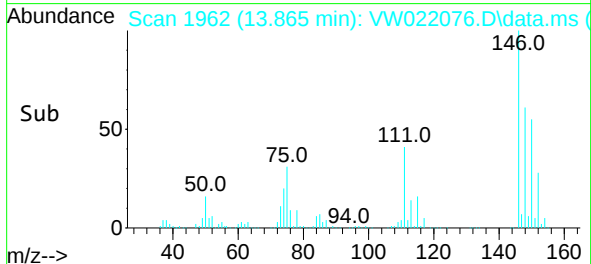
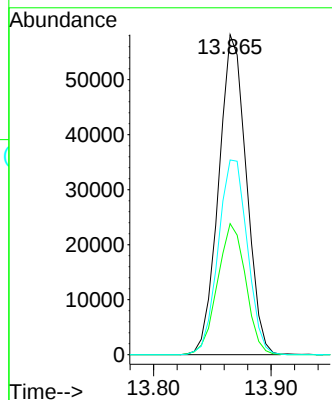
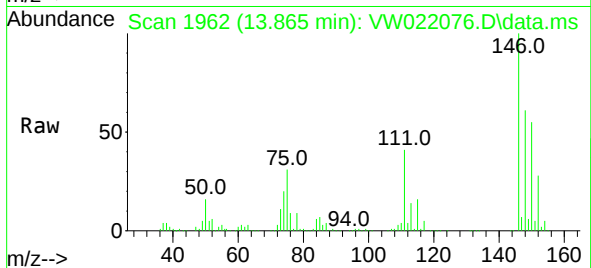
Tgt Ion:146 Resp: 95150

Ion Ratio Lower Upper

146 100

111 41.0 32.2 48.4

148 60.9 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 22.590 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

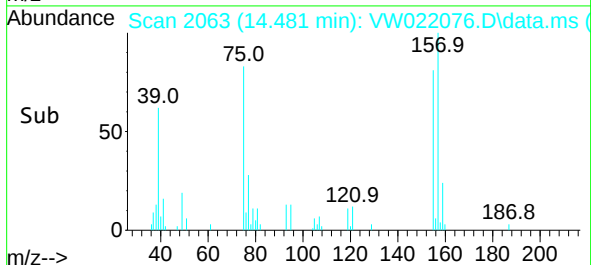
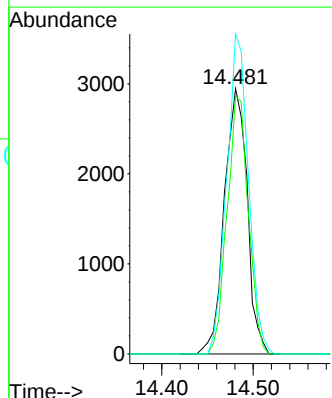
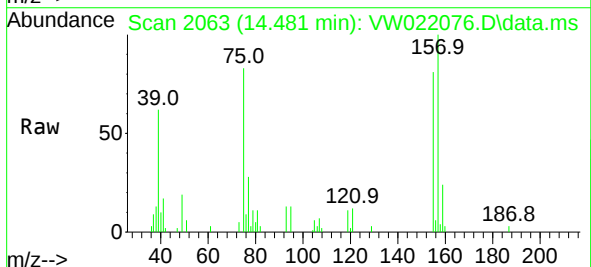
Tgt Ion: 75 Resp: 5089

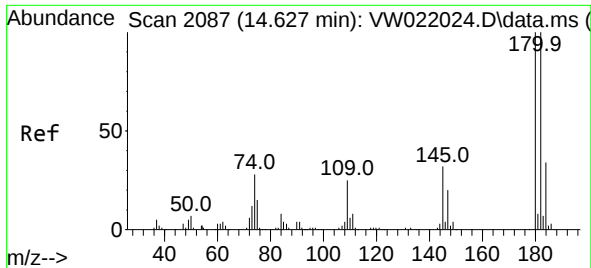
Ion Ratio Lower Upper

75 100

155 97.3 80.9 121.3

157 120.6 100.3 150.5

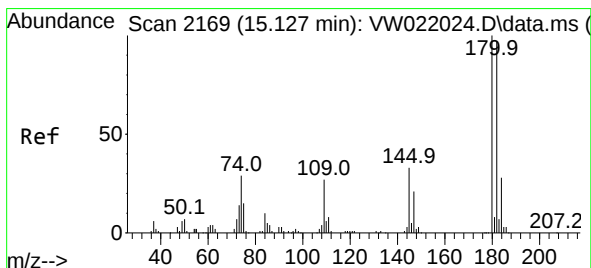
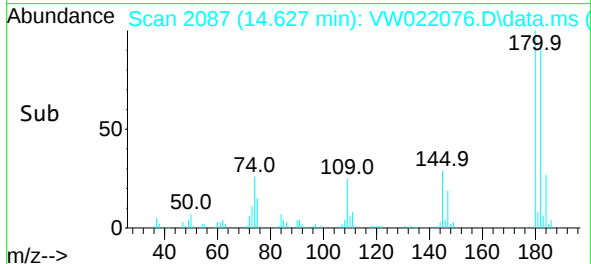
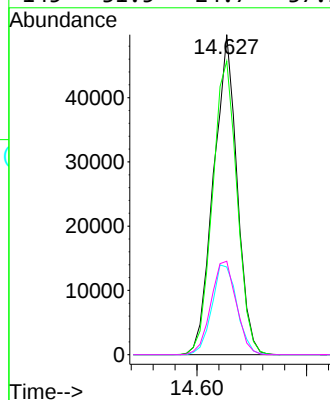
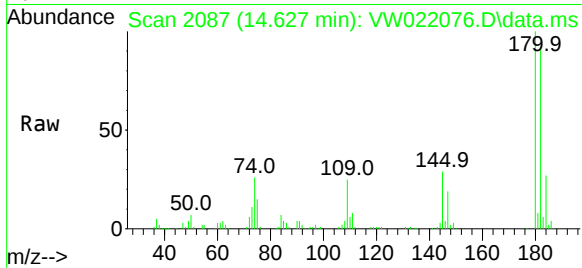




#69  
1,3,5-Trichlorobenzene  
Concen: 21.658 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

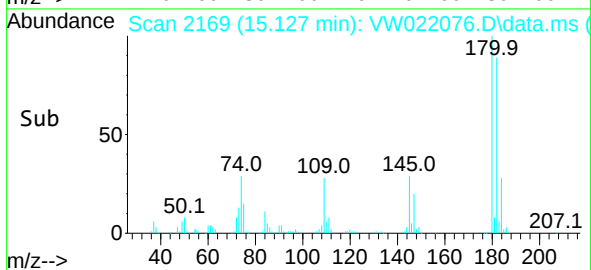
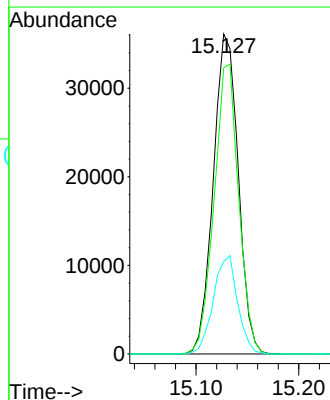
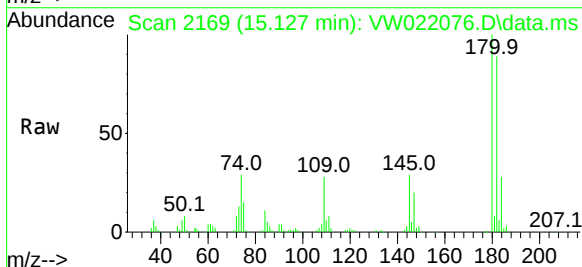
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025556

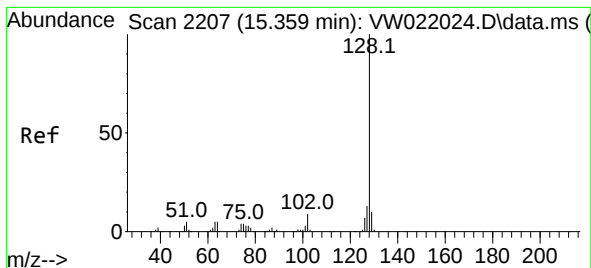
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 74089      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.7  | 77.4 116.2 |
| 184         | 29.9  | 25.2 37.8  |
| 145         | 31.5  | 24.7 37.1  |



#70  
1,2,4-trichlorobenzene  
Concen: 22.414 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.006 min  
Lab File: VW022076.D  
Acq: 09 Feb 2022 08:52

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 60903      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 89.2  | 74.6 111.8 |
| 145         | 29.9  | 25.0 37.6  |





#71

Naphthalene

Concen: 21.840 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025556

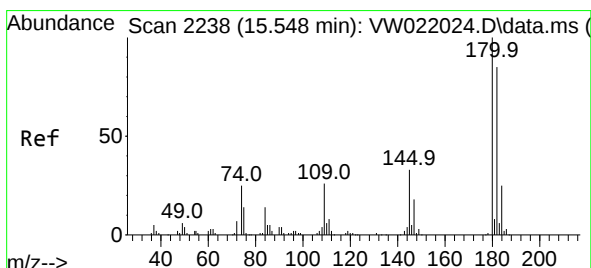
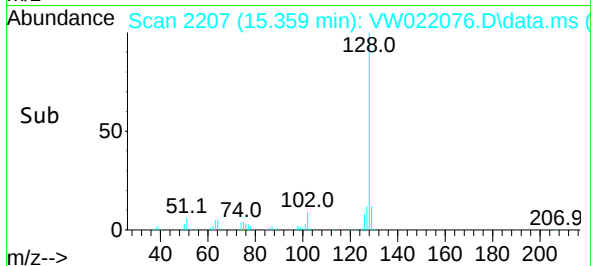
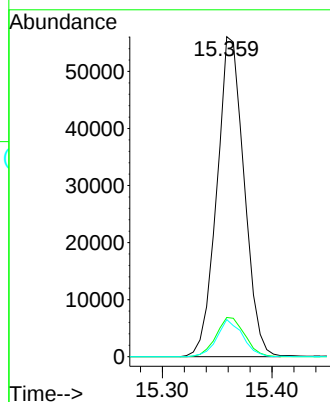
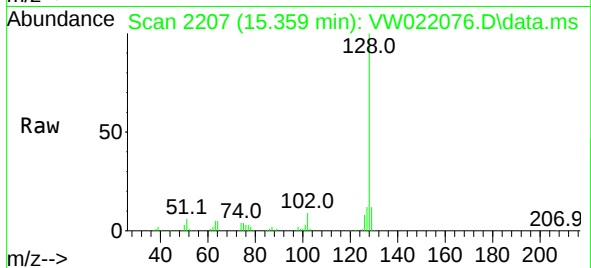
Tgt Ion:128 Resp: 96822

Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.4

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 21.135 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. -0.000 min

Lab File: VW022076.D

Acq: 09 Feb 2022 08:52

Tgt Ion:180 Resp: 49084

Ion Ratio Lower Upper

180 100

182 98.0 78.6 118.0

145 33.1 27.3 40.9

