

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW090622\  
 Data File : VW024557.D  
 Acq On : 06 Sep 2022 13:53  
 Operator : SY/VA  
 Sample : VSTD05034  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD050434

Quant Time: Sep 07 04:36:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 07 04:30:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.841  | 114  | 389207   | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117  | 390275   | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 219844   | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65   | 369921   | 46.036  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.873  | 69   | 267544   | 44.778  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63   | 392463   | 46.305  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.080  | 46   | 125380   | 92.775  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.647  | 84   | 450618   | 45.118  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 249683   | 44.674  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.268  | 84   | 883404   | 46.017  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67   | 252728   | 44.650  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.323 | 98   | 871975   | 46.592  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 121103   | 47.743  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.920 | 63   | 114209   | 109.774 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84   | 258291   | 47.611  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152  | 304355   | 43.709  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.001  | 85   | 85664    | 46.915  | ug/L   | 94       |
| 3) Chloromethane              | 2.209  | 50   | 240154   | 41.426  | ug/L   | 97       |
| 5) Vinyl chloride             | 2.349  | 62   | 410711   | 42.023  | ug/L   | 100      |
| 6) Bromomethane               | 2.763  | 94   | 253449   | 39.780  | ug/L   | 95       |
| 8) Chloroethane               | 2.904  | 64   | 222011   | 41.754  | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.239  | 101  | 227070   | 40.187  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.044  | 101  | 226323   | 43.474  | ug/L # | 88       |
| 12) 1,1-Dichloroethene        | 4.031  | 96   | 197172   | 44.311  | ug/L   | 94       |
| 13) Acetone                   | 4.117  | 43   | 80683    | 74.415  | ug/L   | 92       |
| 14) Carbon disulfide          | 4.373  | 76   | 504096   | 42.816  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.665  | 43   | 109975   | 46.435  | ug/L   | 100      |
| 16) Methylene chloride        | 4.909  | 84   | 221752   | 38.183  | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.415  | 96   | 228141   | 44.831  | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.421  | 73   | 433365   | 47.742  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.208  | 63   | 408015   | 43.997  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96   | 257800   | 45.080  | ug/L   | 97       |
| 22) 2-Butanone                | 7.171  | 43   | 156566   | 87.864  | ug/L   | 96       |
| 23) Bromochloromethane        | 7.512  | 128  | 119437   | 45.139  | ug/L   | 94       |
| 25) Chloroform                | 7.671  | 83   | 457293   | 44.391  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 310624   | 44.860  | ug/L   | 100      |
| 29) Cyclohexane               | 7.951  | 56   | 354483   | 46.917  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 376708   | 44.013  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 349466   | 44.704  | ug/L   | 96       |
| 33) Benzene                   | 8.317  | 78   | 975569   | 44.042  | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 259002   | 44.769  | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.329  | 83   | 429434   | 46.396  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 245099   | 44.304  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 355513   | 45.468  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 404164   | 49.966  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 364568   | 99.899  | ug/L   | 97       |
| 42) Toluene                   | 10.384 | 91   | 1135216  | 46.486  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 374698   | 49.042  | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTD050434

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 07 04:30:35 2022  
 Response via : Initial Calibration

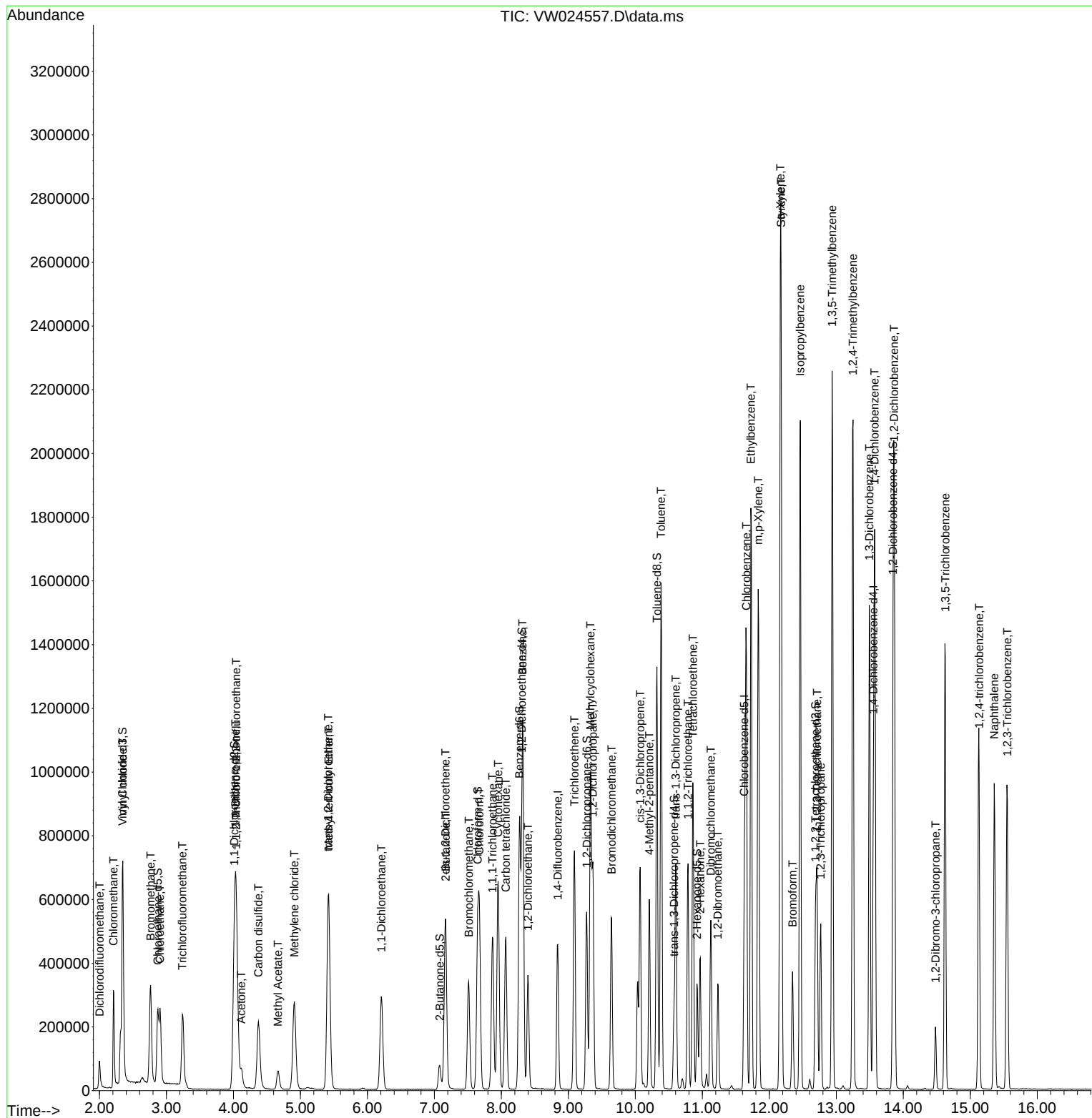
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 218032   | 47.156  | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.859 | 164  | 198969   | 46.677  | ug/L  | 96       |
| 48) 2-Hexanone                | 10.969 | 43   | 261922   | 104.659 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.128 | 129  | 266789   | 49.359  | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 215562   | 48.037  | ug/L  | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 765244   | 45.359  | ug/L  | 97       |
| 52) Ethylbenzene              | 11.725 | 91   | 1299419  | 46.866  | ug/L  | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 514952   | 47.538  | ug/L  | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 509087   | 49.362  | ug/L  | 92       |
| 55) Styrene                   | 12.176 | 104  | 872000   | 48.034  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 282391   | 48.243  | ug/L  | 95       |
| 59) Bromoform                 | 12.347 | 173  | 157336   | 49.237  | ug/L  | 95       |
| 60) Isopropylbenzene          | 12.463 | 105  | 1348305  | 45.297  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 205321   | 45.143  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 1185189  | 47.949  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 1157879  | 47.067  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 597066   | 44.518  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 624950   | 44.208  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 565391   | 45.206  | ug/L  | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 46084    | 42.823  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 404273   | 46.408  | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 329008   | 47.596  | ug/L  | 95       |
| 71) Naphthalene               | 15.359 | 128  | 792554   | 51.824  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 303224   | 47.151  | ug/L  | 96       |

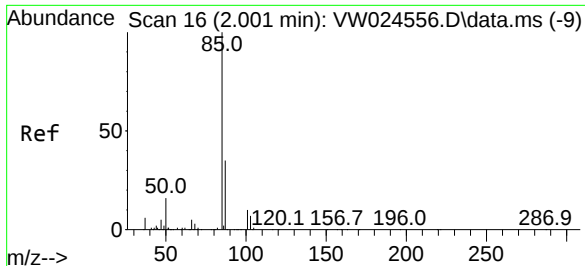
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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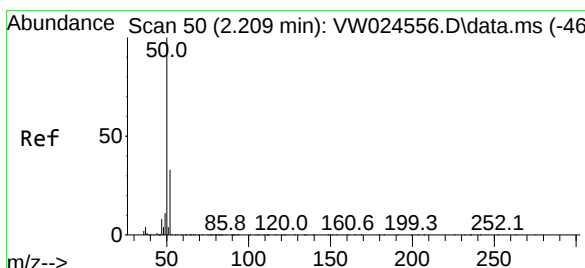
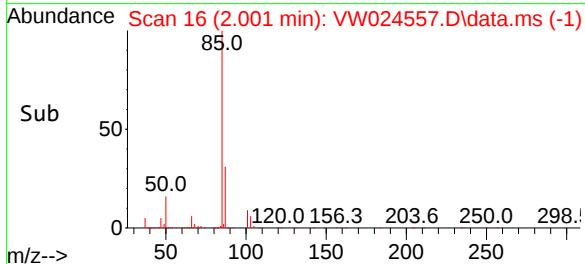
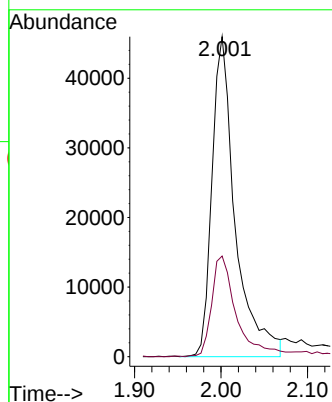
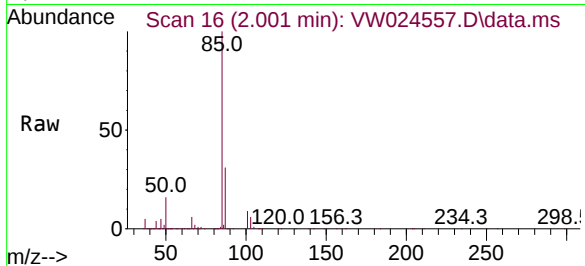




#2  
Dichlorodifluoromethane  
Concen: 46.915 ug/L  
RT: 2.001 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

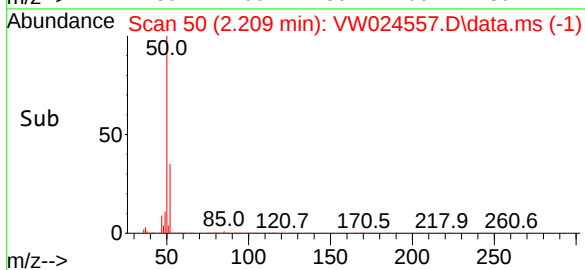
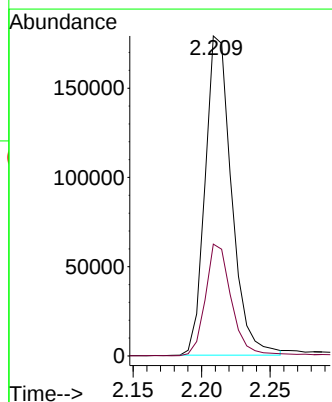
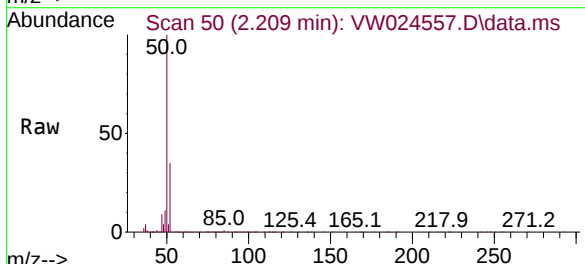
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

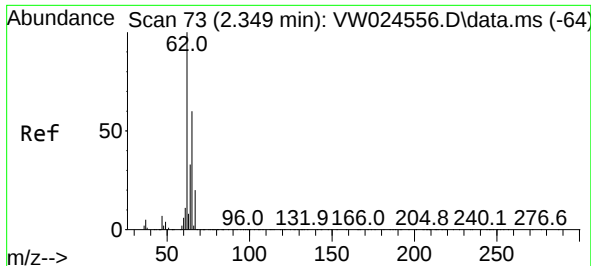
Tgt Ion: 85 Resp: 85664  
Ion Ratio Lower Upper  
85 100  
87 33.4 24.2 36.2



#3  
Chloromethane  
Concen: 41.426 ug/L  
RT: 2.209 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 50 Resp: 240154  
Ion Ratio Lower Upper  
50 100  
52 34.9 23.3 43.3

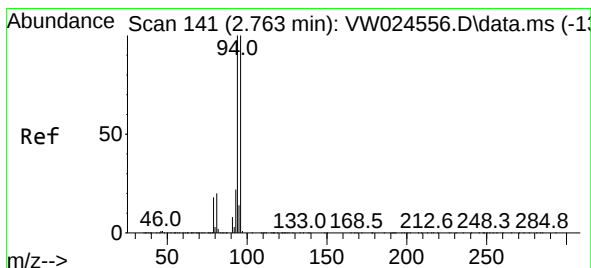
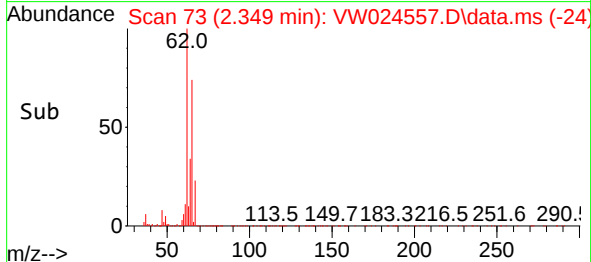
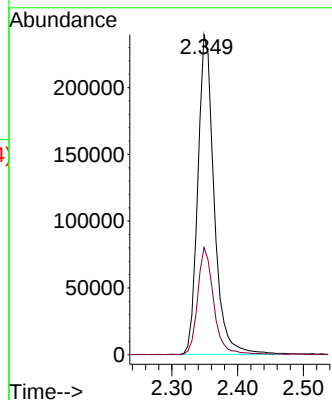
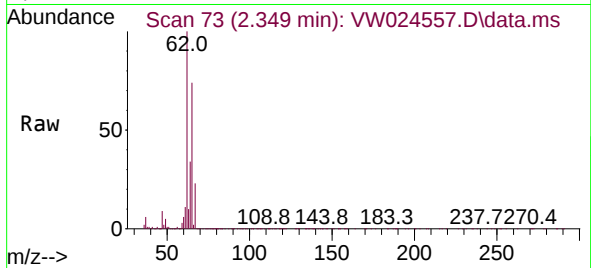




#5  
 Vinyl chloride  
 Concen: 42.023 ug/L  
 RT: 2.349 min Scan# 73  
 Delta R.T. 0.000 min  
 Lab File: VW024557.D  
 Acq: 06 Sep 2022 13:53

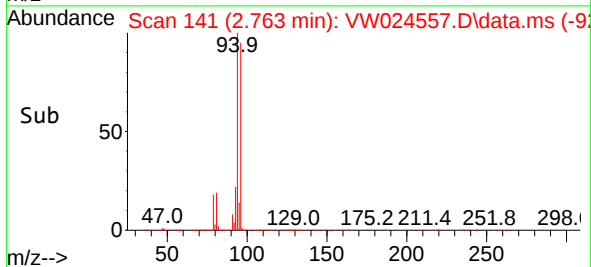
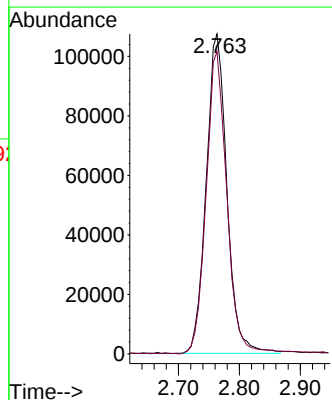
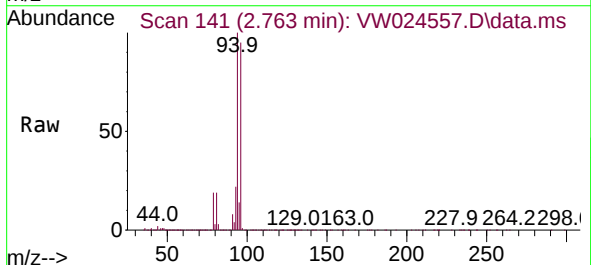
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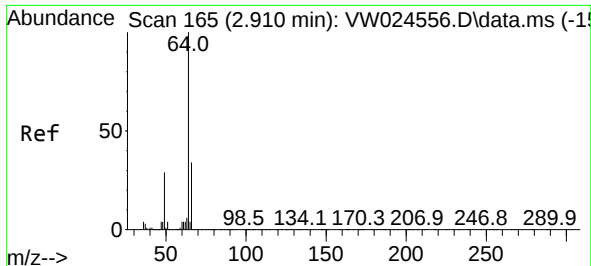
Tgt Ion: 62 Resp: 410711  
 Ion Ratio Lower Upper  
 62 100  
 64 33.5 23.3 43.3



#6  
 Bromomethane  
 Concen: 39.780 ug/L  
 RT: 2.763 min Scan# 141  
 Delta R.T. 0.000 min  
 Lab File: VW024557.D  
 Acq: 06 Sep 2022 13:53

Tgt Ion: 94 Resp: 253449  
 Ion Ratio Lower Upper  
 94 100  
 96 94.5 69.8 129.6

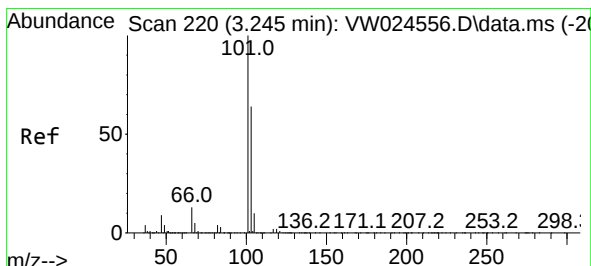
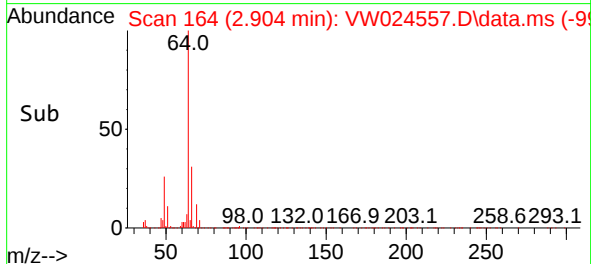
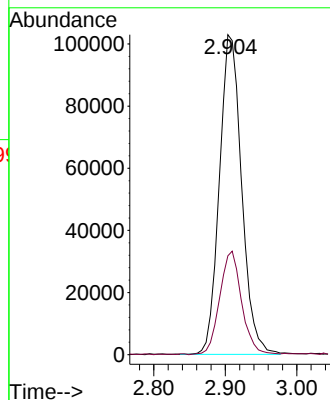
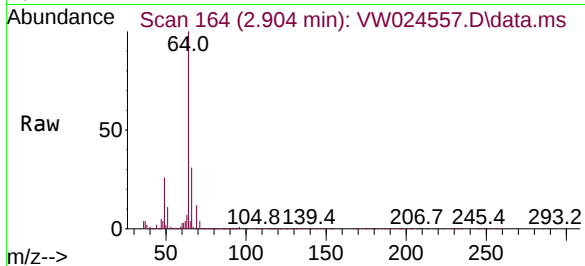




#8  
Chloroethane  
Concen: 41.754 ug/L  
RT: 2.904 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

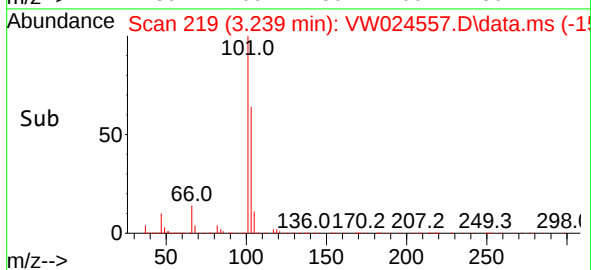
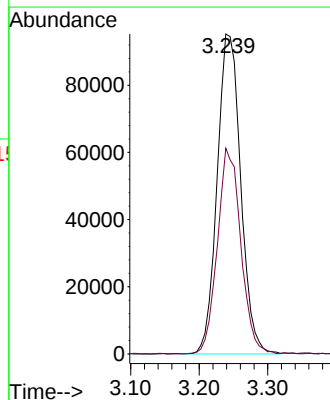
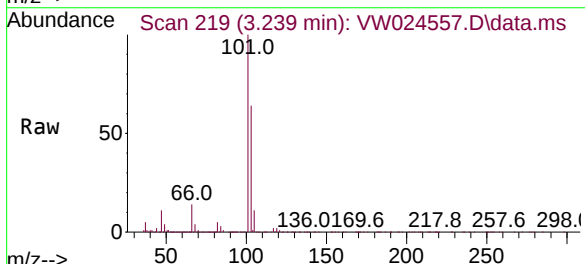
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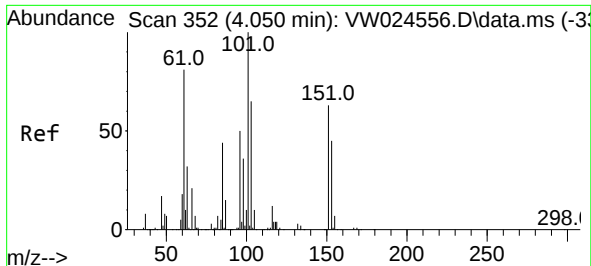
Tgt Ion: 64 Resp: 222011  
Ion Ratio Lower Upper  
64 100  
66 30.9 23.7 44.1



#9  
Trichlorofluoromethane  
Concen: 40.187 ug/L  
RT: 3.239 min Scan# 219  
Delta R.T. -0.006 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 101 Resp: 227070  
Ion Ratio Lower Upper  
101 100  
103 63.8 52.5 78.7

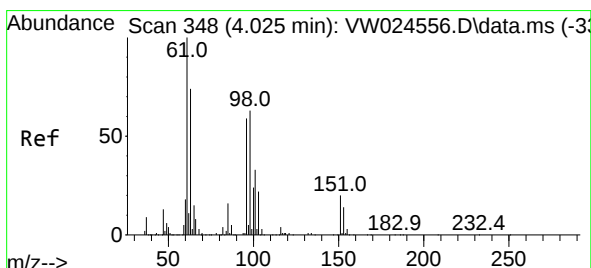
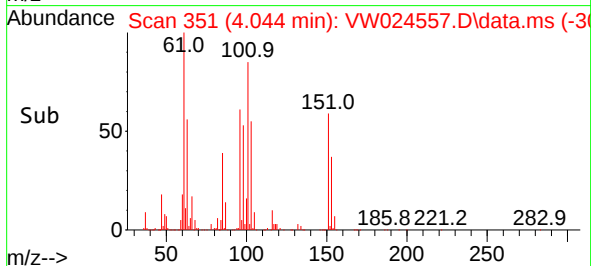
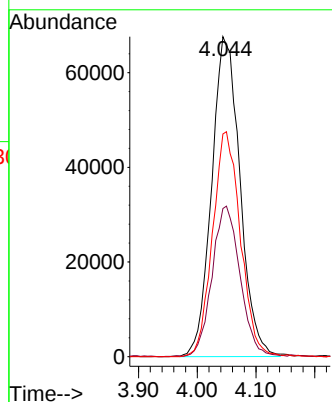
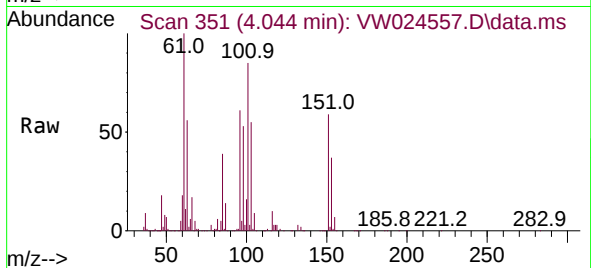




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 43.474 ug/L  
 RT: 4.044 min Scan# 352  
 Delta R.T. -0.006 min  
 Lab File: VW024557.D  
 Acq: 06 Sep 2022 13:53

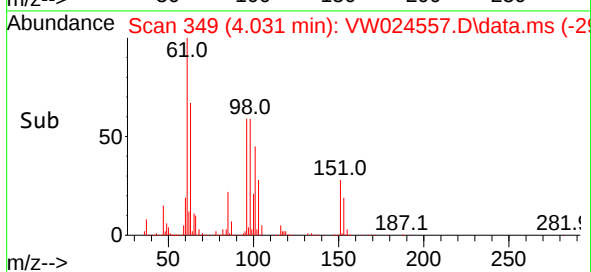
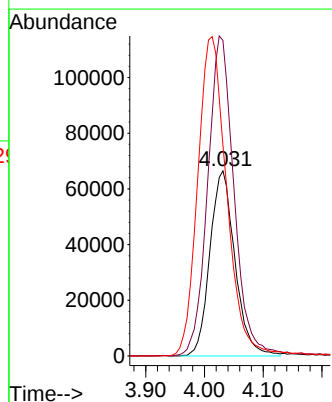
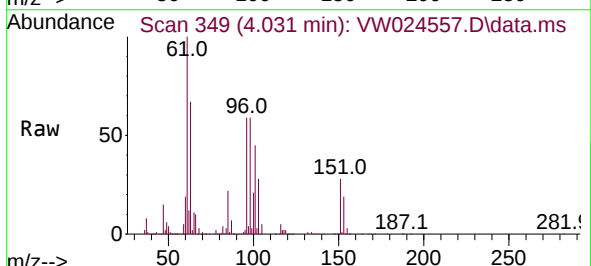
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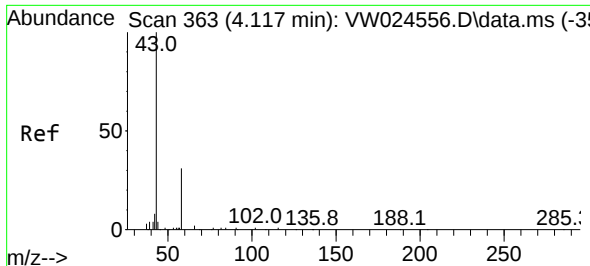
Tgt Ion:101 Resp: 226323  
 Ion Ratio Lower Upper  
 101 100  
 85 46.5 21.8 32.8#  
 151 69.1 53.9 80.9



#12  
 1,1-Dichloroethene  
 Concen: 44.311 ug/L  
 RT: 4.031 min Scan# 349  
 Delta R.T. 0.006 min  
 Lab File: VW024557.D  
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Tgt Ion: 96 Resp: 197172  
 Ion Ratio Lower Upper  
 96 100  
 61 170.5 119.8 222.6  
 63 113.9 89.6 166.4

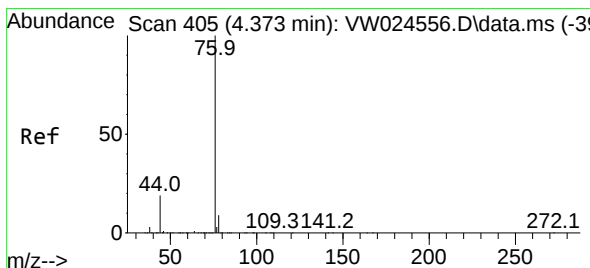
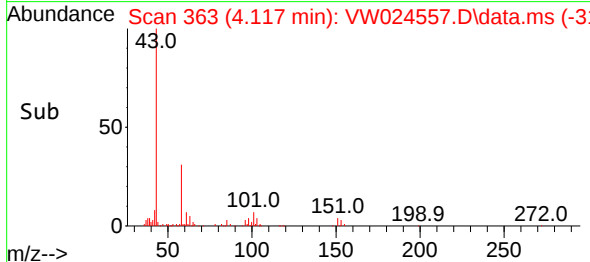
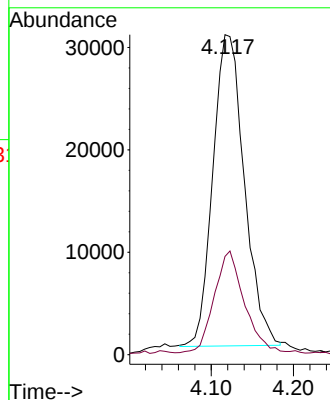
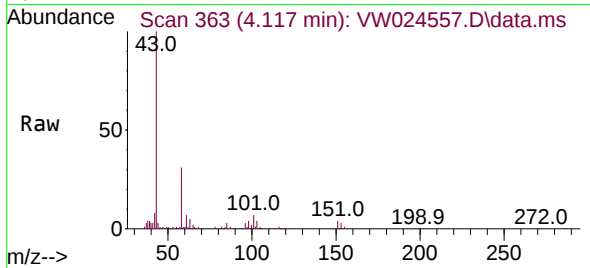




#13  
Acetone  
Concen: 74.415 ug/L  
RT: 4.117 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

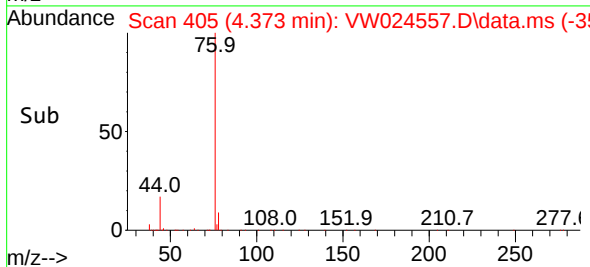
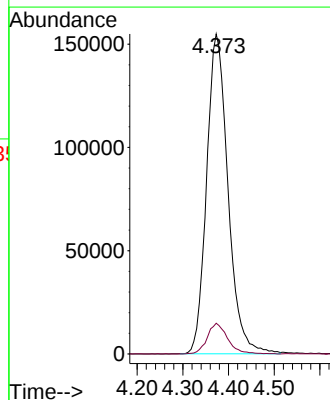
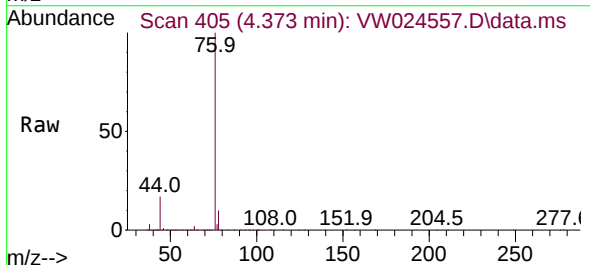
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

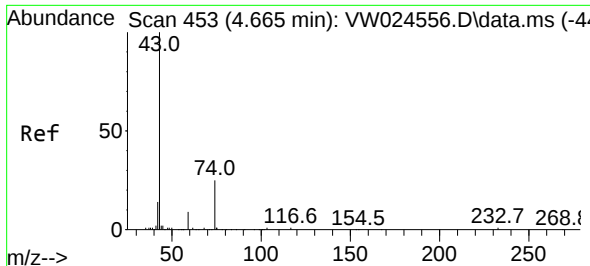
Tgt Ion: 43 Resp: 80683  
Ion Ratio Lower Upper  
43 100  
58 33.2 0.0 57.8



#14  
Carbon disulfide  
Concen: 42.816 ug/L  
RT: 4.373 min Scan# 405  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 76 Resp: 504096  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.5 11.3

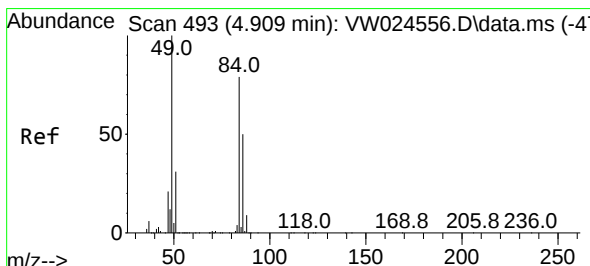
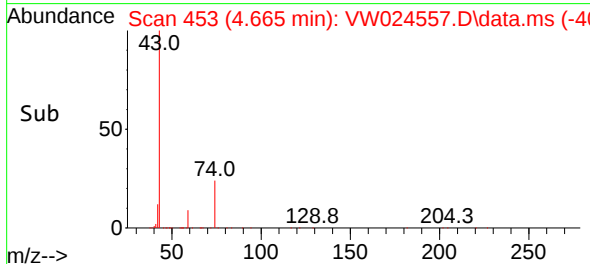
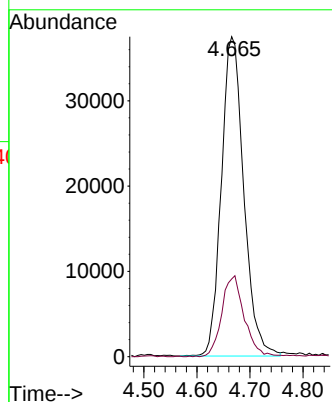
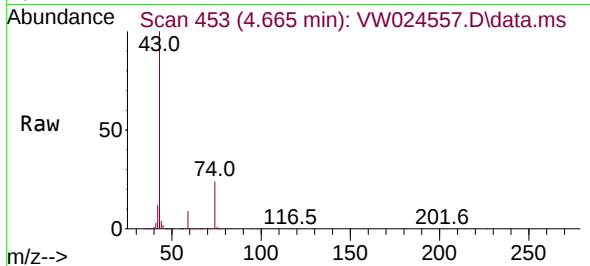




#15  
Methyl Acetate  
Concen: 46.435 ug/L  
RT: 4.665 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

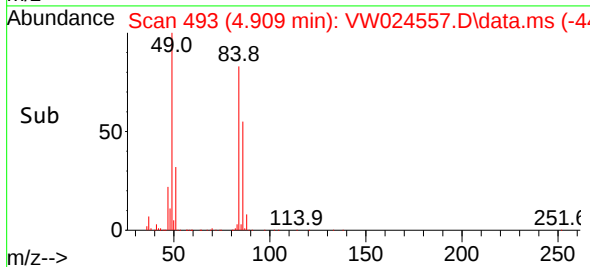
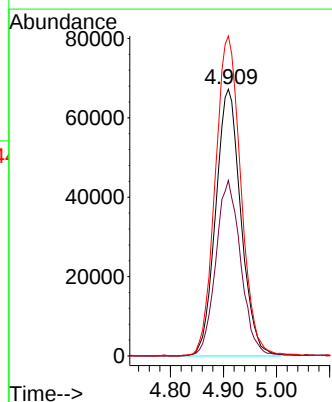
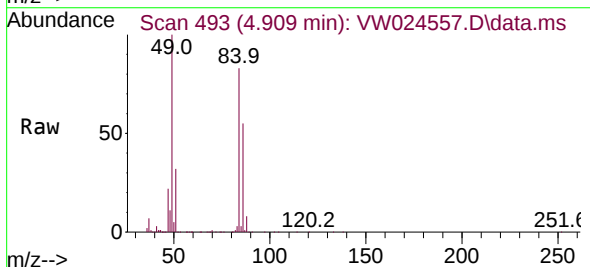
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

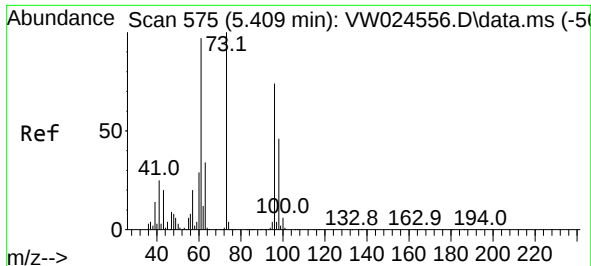
Tgt Ion: 43 Resp: 109975  
Ion Ratio Lower Upper  
43 100  
74 24.9 19.9 29.9



#16  
Methylene chloride  
Concen: 38.183 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 84 Resp: 221752  
Ion Ratio Lower Upper  
84 100  
86 65.8 44.4 82.5  
49 119.9 88.5 164.3





#17

trans-1,2-Dichloroethene

Concen: 44.831 ug/L

RT: 5.415 min Scan# 575

Delta R.T. 0.006 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Instrument :

MSVOA\_W

ClientSampleId :

VSTD050434

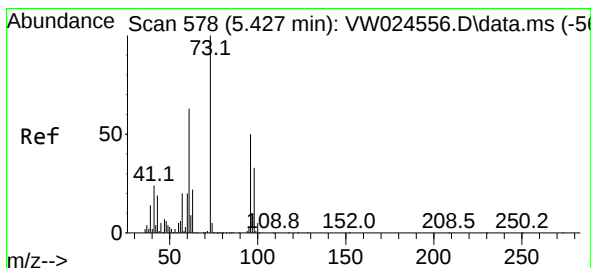
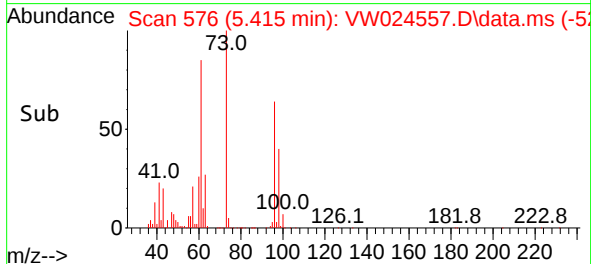
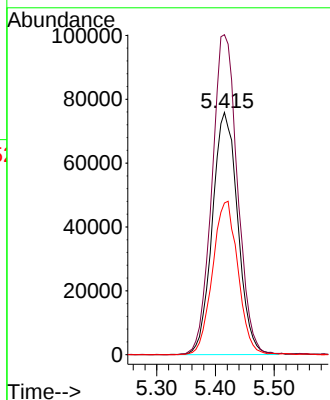
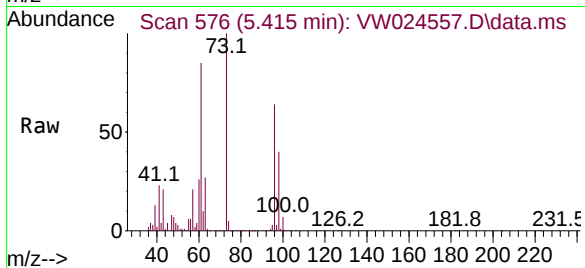
Tgt Ion: 96 Resp: 228141

Ion Ratio Lower Upper

96 100

61 132.1 91.7 170.3

98 62.7 43.6 81.0



#18

Methyl tert-butyl Ether

Concen: 47.742 ug/L

RT: 5.421 min Scan# 577

Delta R.T. -0.006 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

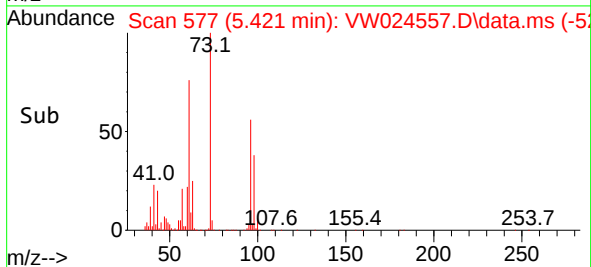
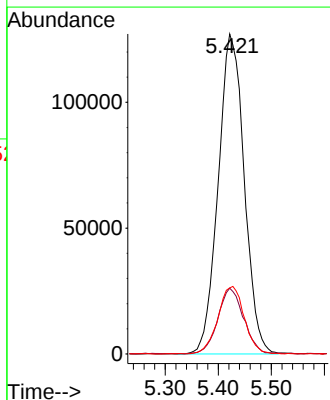
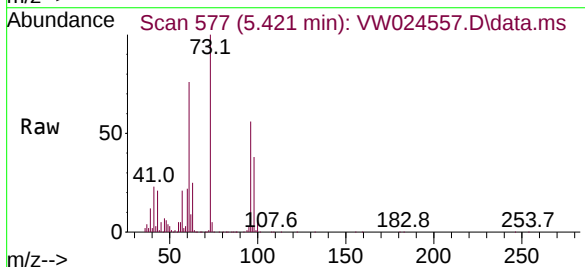
Tgt Ion: 73 Resp: 433365

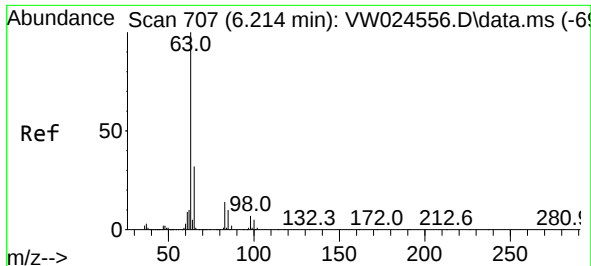
Ion Ratio Lower Upper

73 100

43 20.1 16.7 25.1

57 21.2 16.8 25.2





#19

1,1-Dichloroethane

Concen: 43.997 ug/L

RT: 6.208 min Scan# 707

Delta R.T. -0.006 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Instrument :

MSVOA\_W

ClientSampleId :

VSTD050434

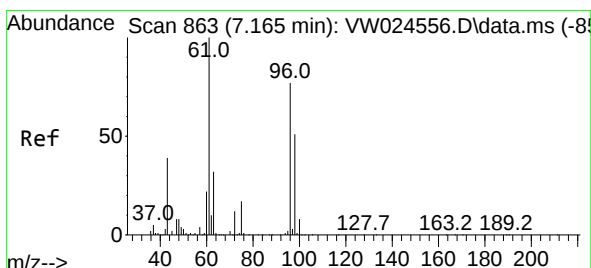
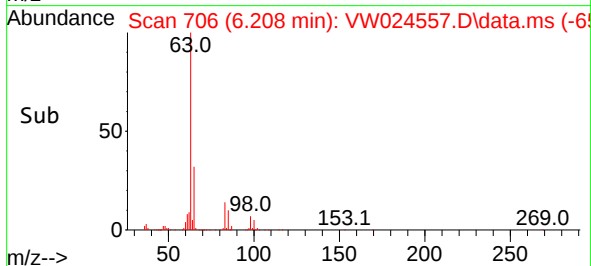
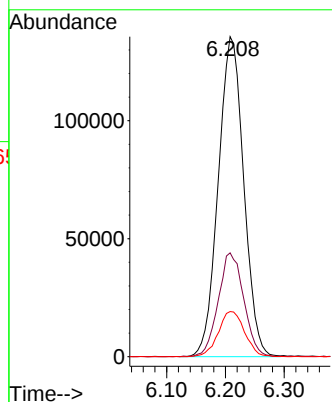
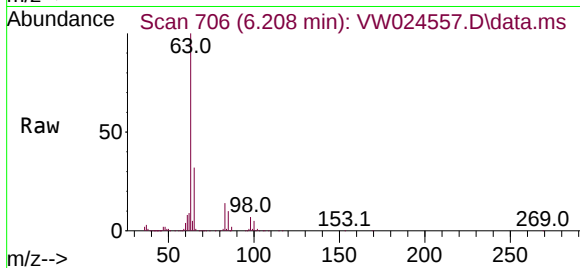
Tgt Ion: 63 Resp: 408015

Ion Ratio Lower Upper

63 100

65 32.5 22.0 41.0

83 14.1 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 45.080 ug/L

RT: 7.165 min Scan# 863

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

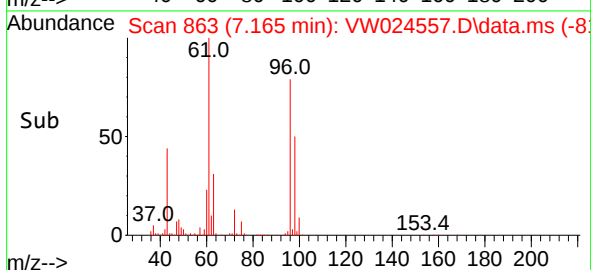
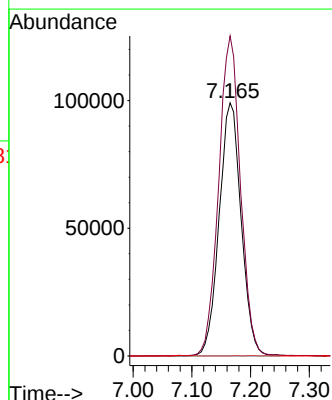
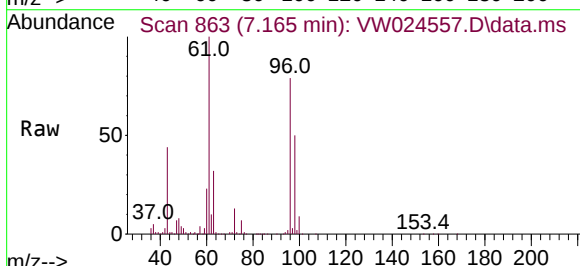
Tgt Ion: 96 Resp: 257800

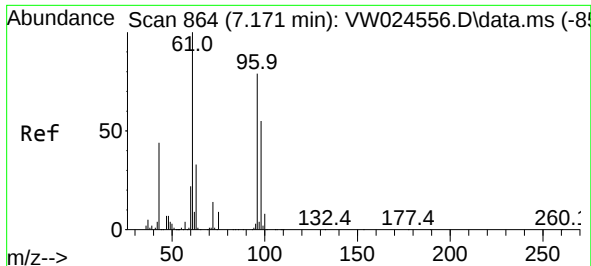
Ion Ratio Lower Upper

96 100

61 126.4 91.2 169.4

68 0.0 0.0 0.0

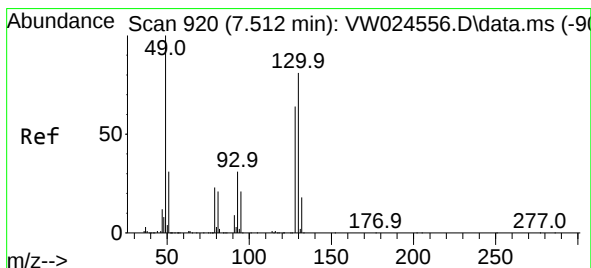
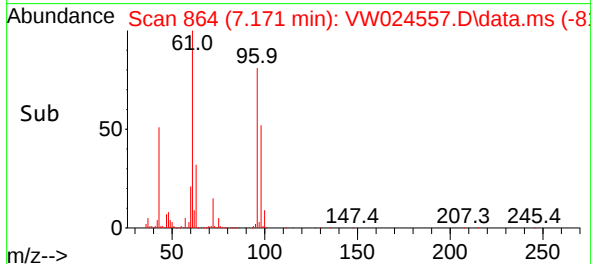
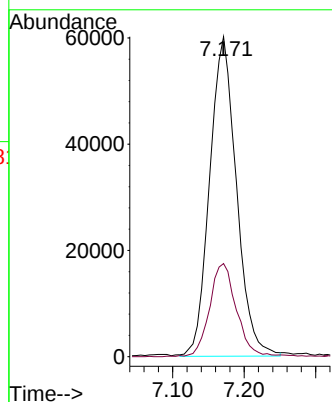
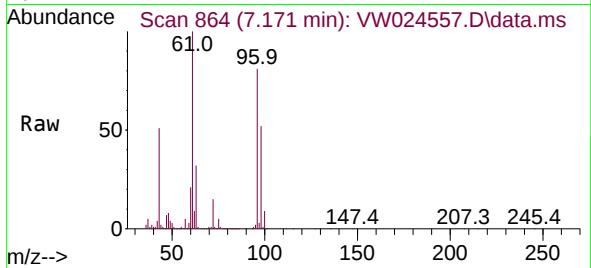




#22  
2-Butanone  
Concen: 87.864 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

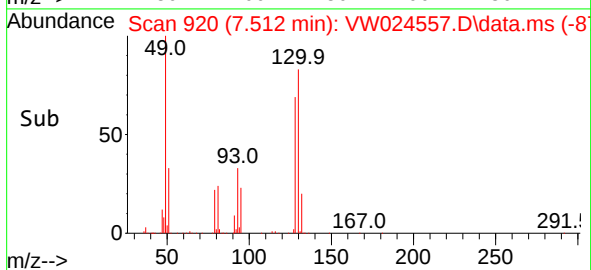
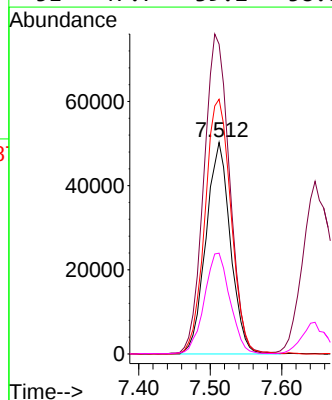
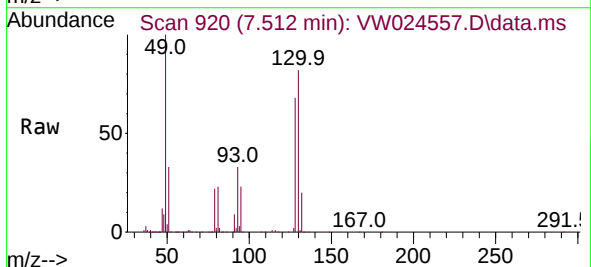
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

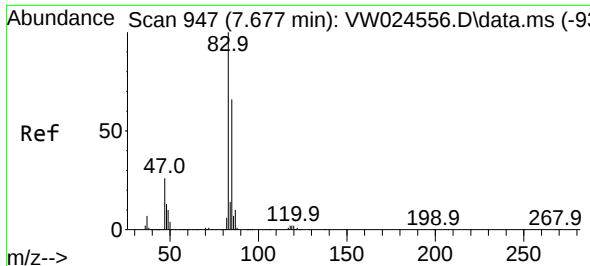
Tgt Ion: 43 Resp: 156566  
Ion Ratio Lower Upper  
43 100  
72 28.7 15.4 46.4



#23  
Bromochloromethane  
Concen: 45.139 ug/L  
RT: 7.512 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 128 Resp: 119437  
Ion Ratio Lower Upper  
128 100  
49 146.4 110.0 204.2  
130 120.3 88.3 163.9  
51 47.7 39.2 58.8

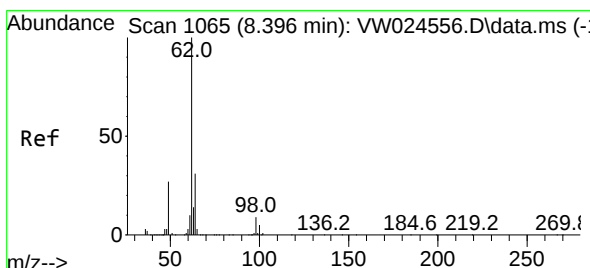
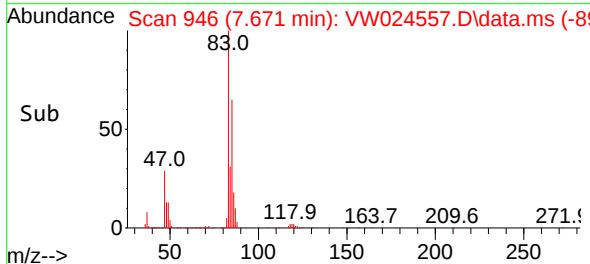
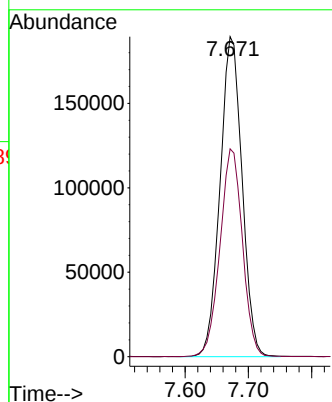
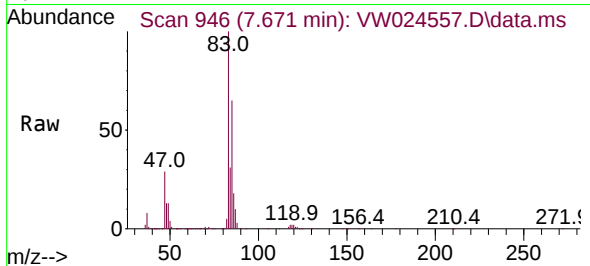




#25  
Chloroform  
Concen: 44.391 ug/L  
RT: 7.671 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

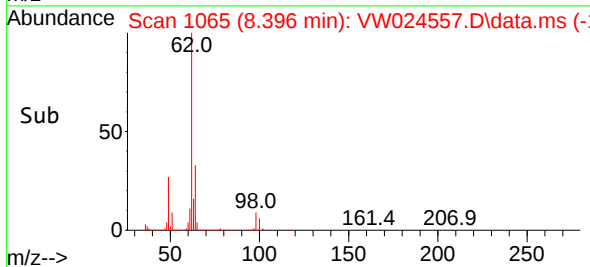
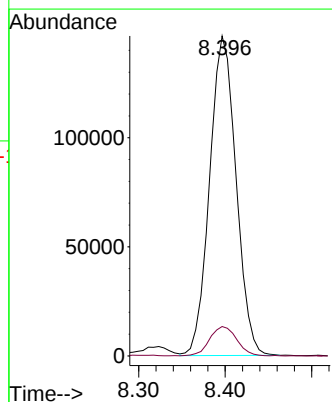
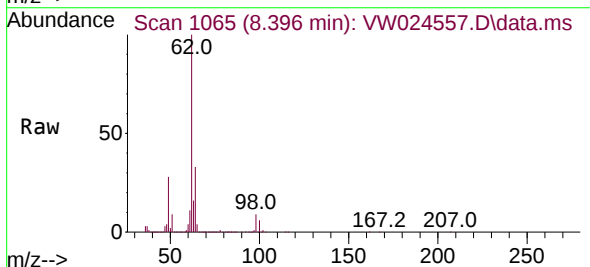
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

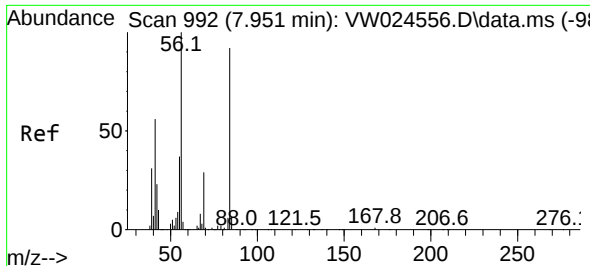
Tgt Ion: 83 Resp: 457293  
Ion Ratio Lower Upper  
83 100  
85 65.0 46.4 86.2



#27  
1,2-Dichloroethane  
Concen: 44.860 ug/L  
RT: 8.396 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 62 Resp: 310624  
Ion Ratio Lower Upper  
62 100  
98 9.2 7.4 11.0





#29

Cyclohexane

Concen: 46.917 ug/L

RT: 7.951 min Scan# 992

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Instrument :

MSVOA\_W

ClientSampleId :

VSTD050434

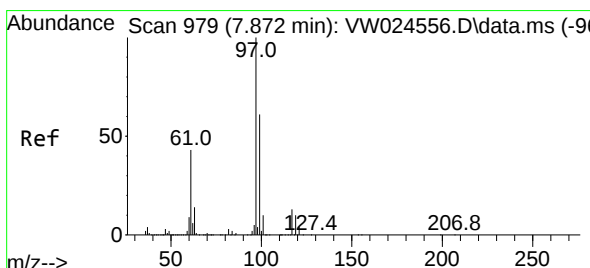
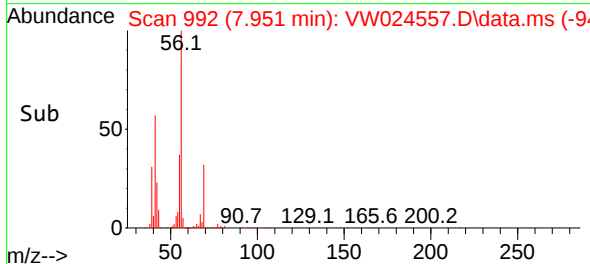
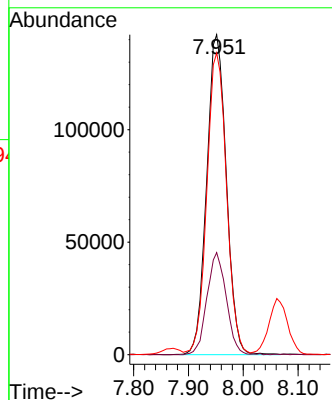
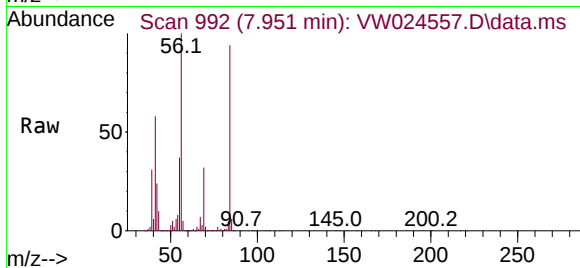
Tgt Ion: 56 Resp: 354483

Ion Ratio Lower Upper

56 100

69 31.2 24.5 36.7

84 94.1 75.7 113.5



#30

1,1,1-Trichloroethane

Concen: 44.013 ug/L

RT: 7.866 min Scan# 978

Delta R.T. -0.006 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

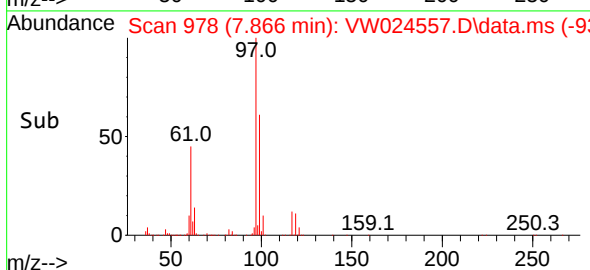
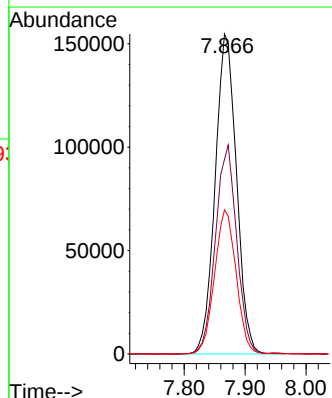
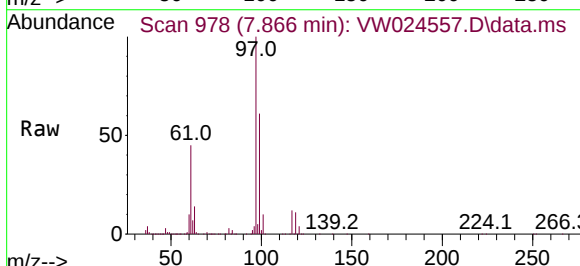
Tgt Ion: 97 Resp: 376708

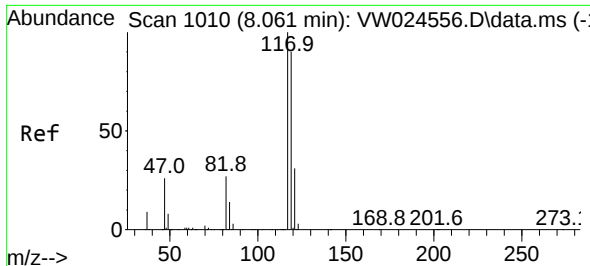
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 45.5 37.2 55.8

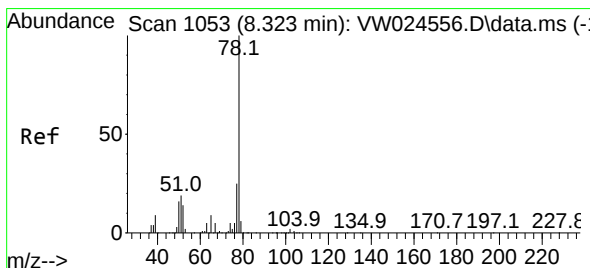
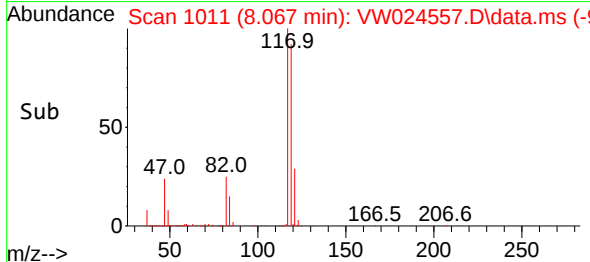
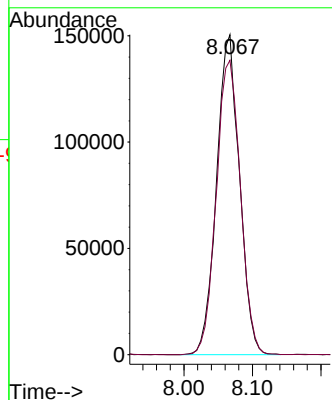
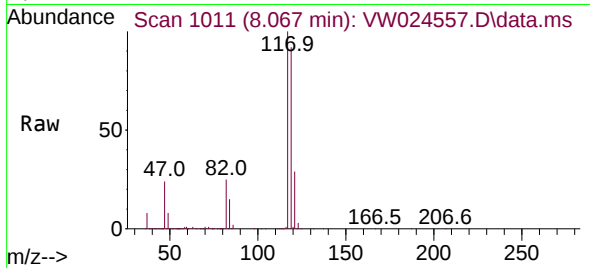




#31  
Carbon tetrachloride  
Concen: 44.704 ug/L  
RT: 8.067 min Scan# 1010  
Delta R.T. 0.006 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

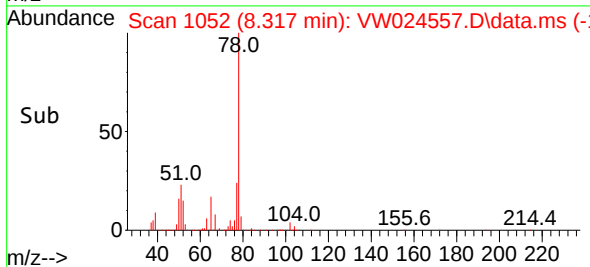
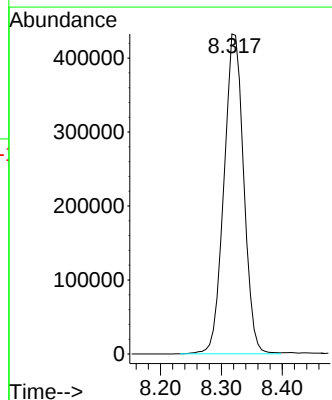
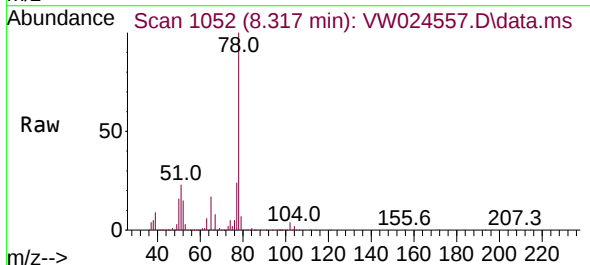
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

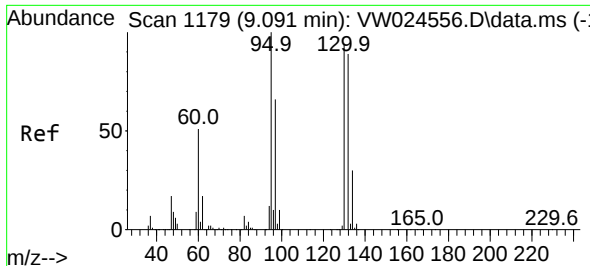
Tgt Ion:117 Resp: 349466  
Ion Ratio Lower Upper  
117 100  
119 96.9 74.4 111.6



#33  
Benzene  
Concen: 44.042 ug/L  
RT: 8.317 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 78 Resp: 975569

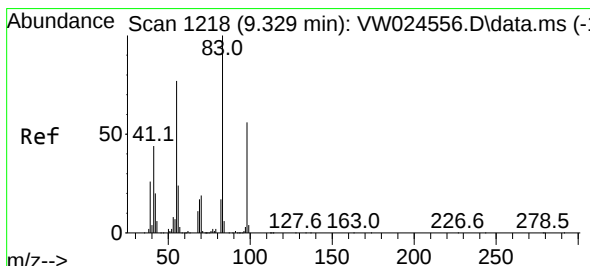
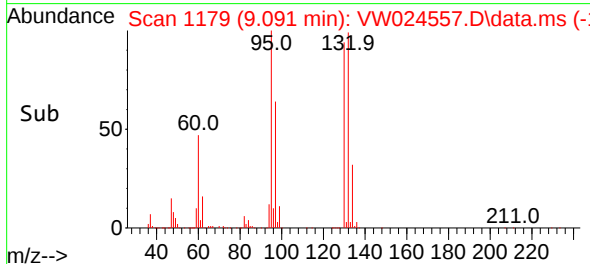
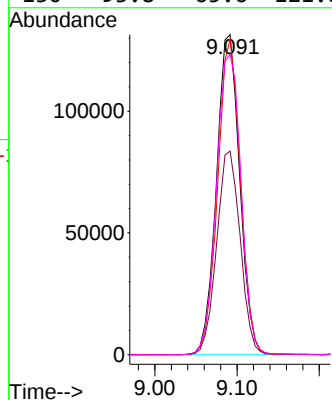
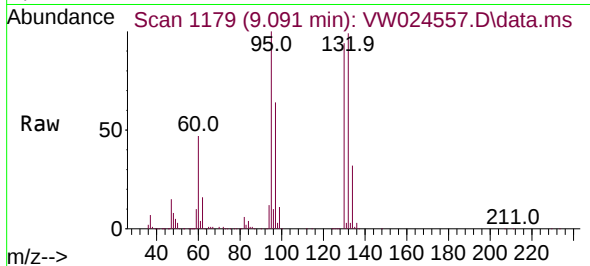




#34  
Trichloroethene  
Concen: 44.769 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

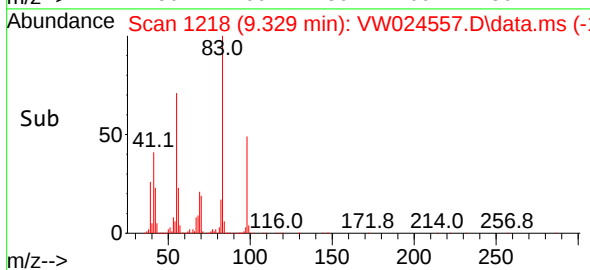
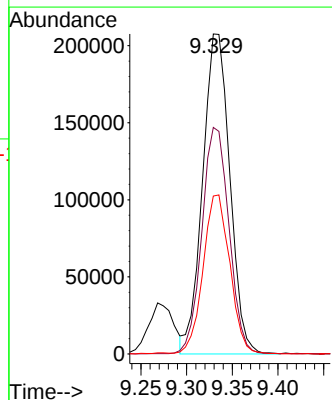
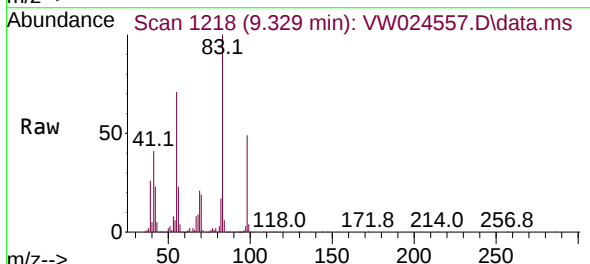
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

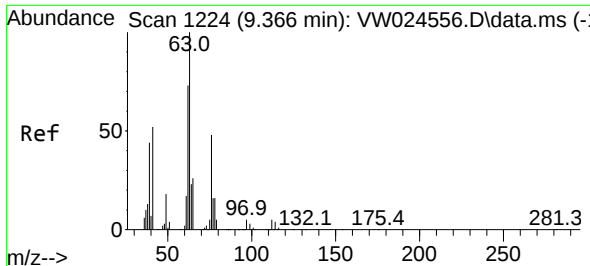
Tgt Ion: 95 Resp: 259002  
Ion Ratio Lower Upper  
95 100  
97 63.6 45.9 85.3  
132 98.6 62.6 116.2  
130 93.8 65.6 121.8



#35  
Methylcyclohexane  
Concen: 46.396 ug/L  
RT: 9.329 min Scan# 1218  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 83 Resp: 429434  
Ion Ratio Lower Upper  
83 100  
55 70.5 57.3 85.9  
98 49.0 40.4 60.6





#37

1,2-Dichloropropane

Concen: 44.304 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Instrument :

MSVOA\_W

ClientSampleId :

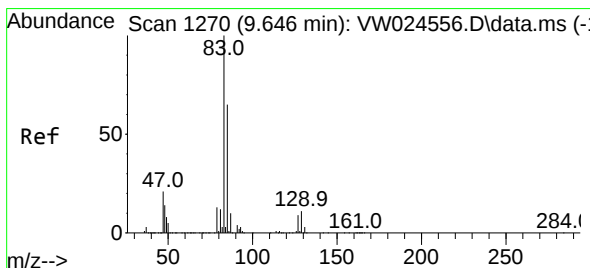
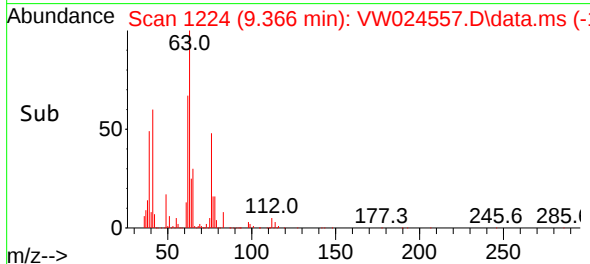
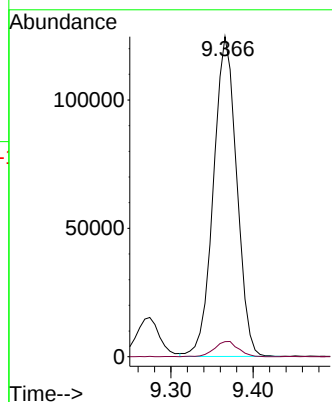
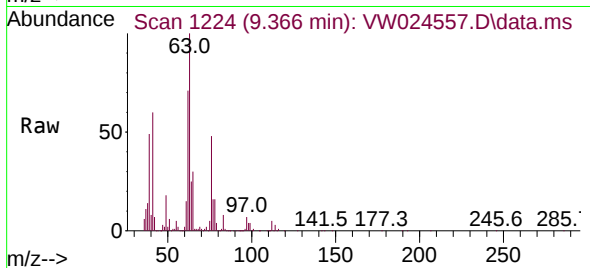
VSTD050434

Tgt Ion: 63 Resp: 245099

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 45.468 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

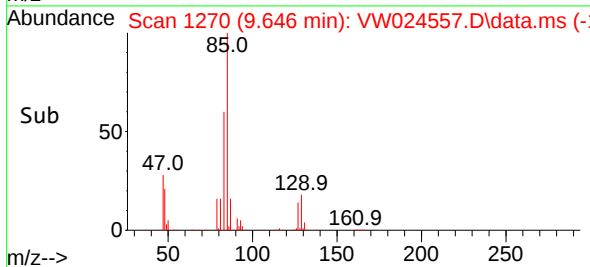
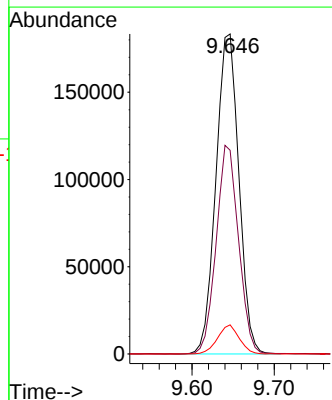
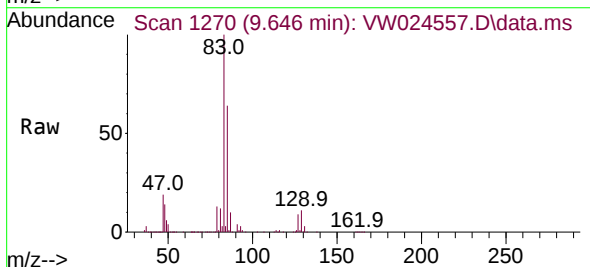
Tgt Ion: 83 Resp: 355513

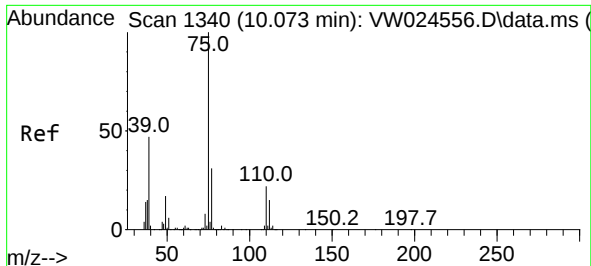
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

127 9.1 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 49.966 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Instrument :

MSVOA\_W

ClientSampleId :

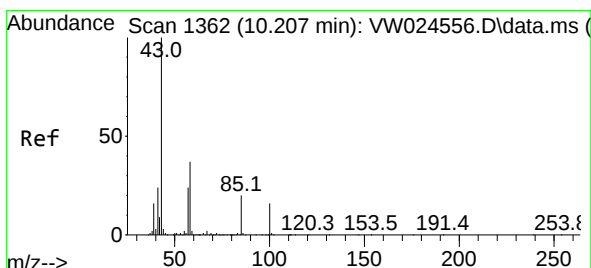
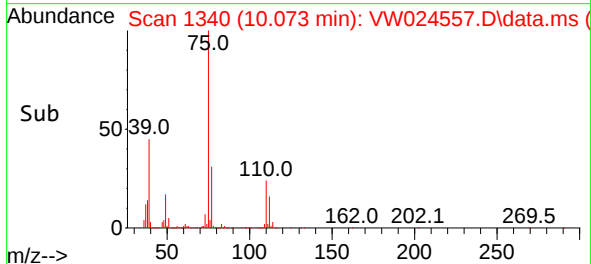
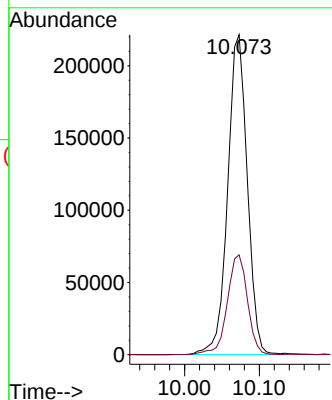
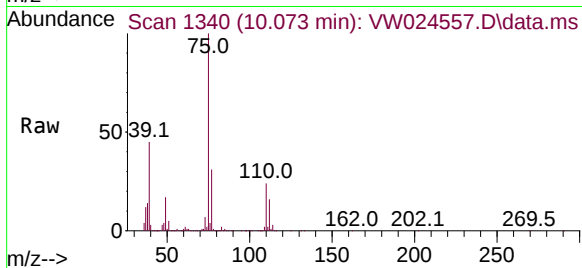
VSTD050434

Tgt Ion: 75 Resp: 404164

Ion Ratio Lower Upper

75 100

77 31.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 99.899 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

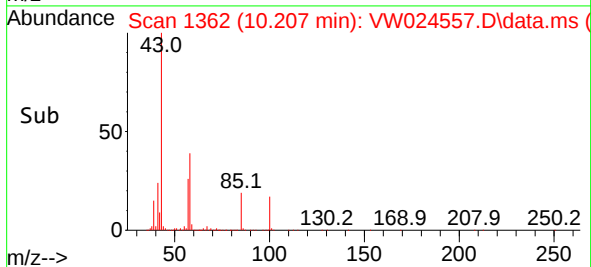
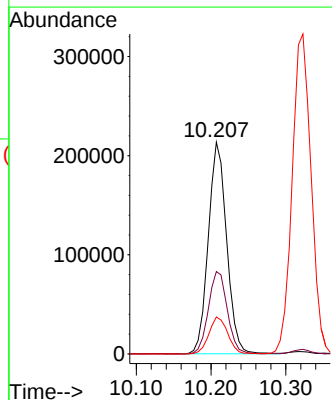
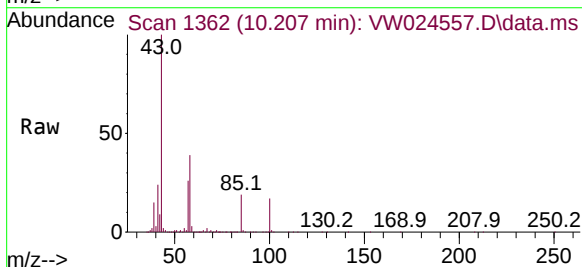
Tgt Ion: 43 Resp: 364568

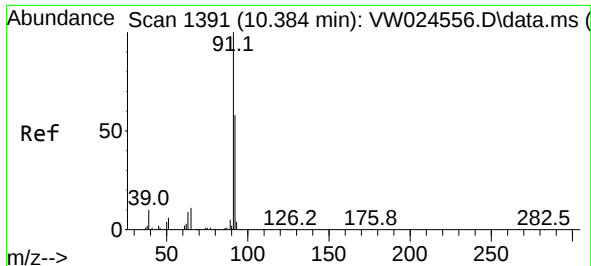
Ion Ratio Lower Upper

43 100

58 40.1 30.9 46.3

100 17.9 13.3 19.9

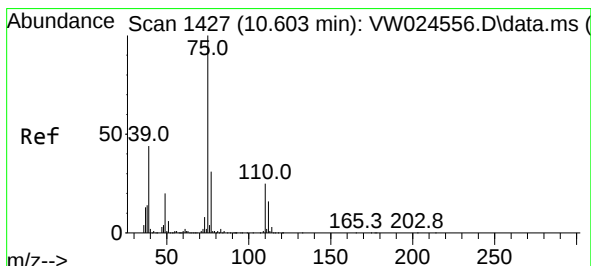
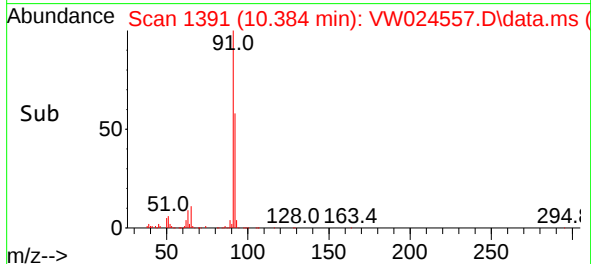
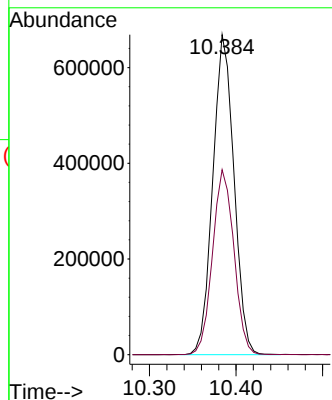
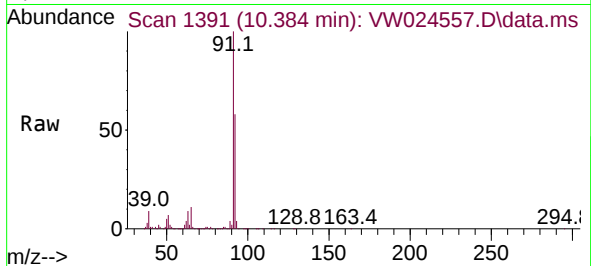




#42  
Toluene  
Concen: 46.486 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

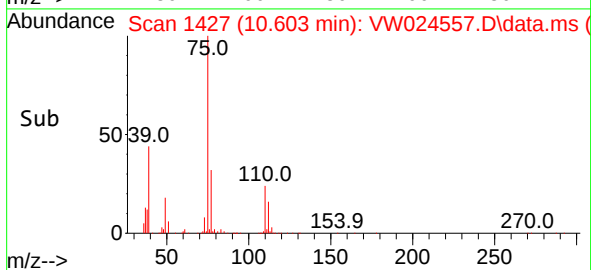
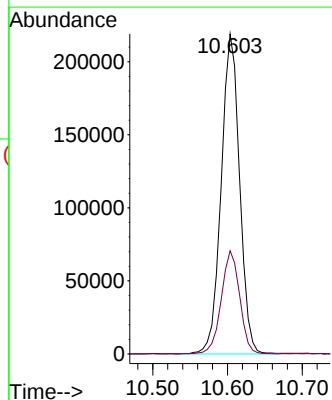
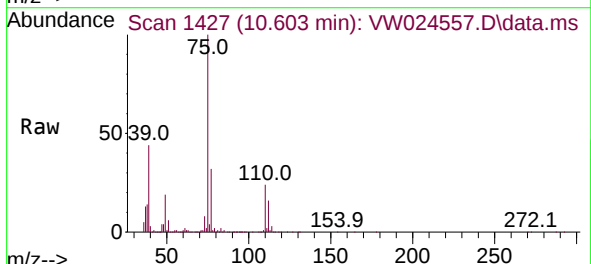
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

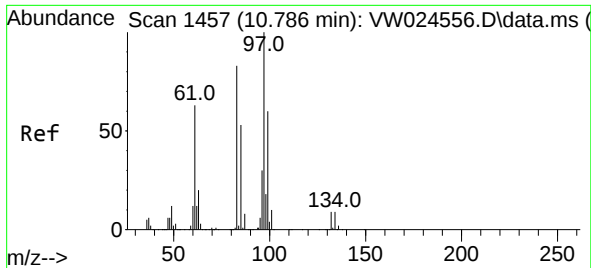
Tgt Ion: 91 Resp: 1135216  
Ion Ratio Lower Upper  
91 100  
92 57.8 40.8 75.8



#44  
trans-1,3-Dichloropropene  
Concen: 49.042 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 75 Resp: 374698  
Ion Ratio Lower Upper  
75 100  
77 32.3 21.8 40.4

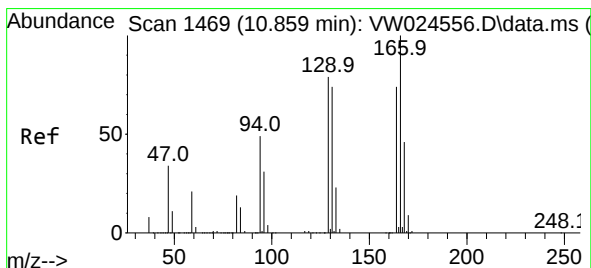
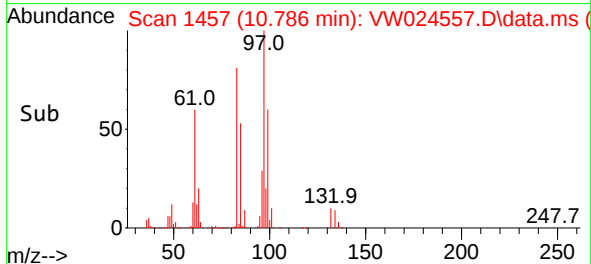
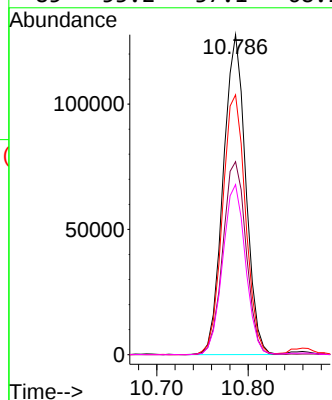
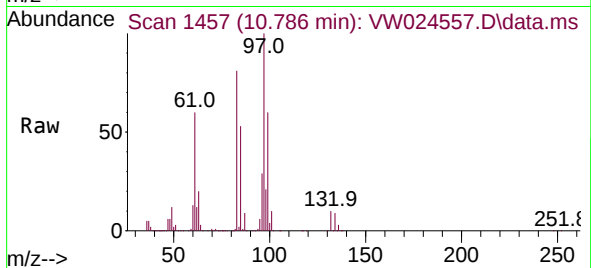




#45  
1,1,2-Trichloroethane  
Concen: 47.156 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

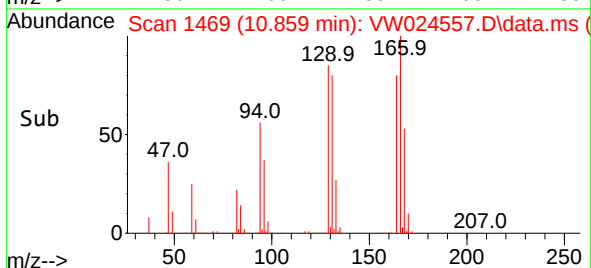
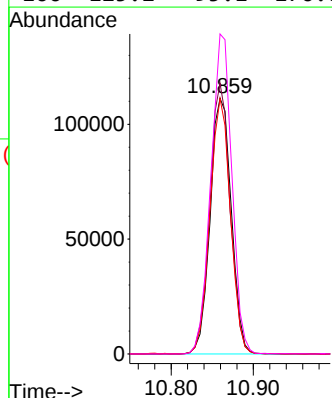
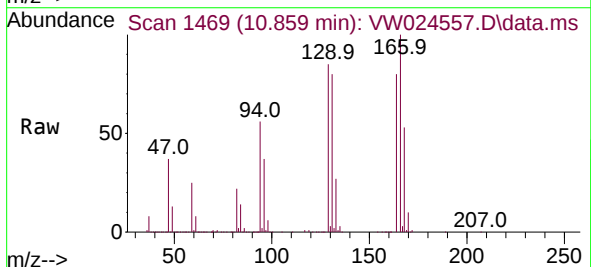
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

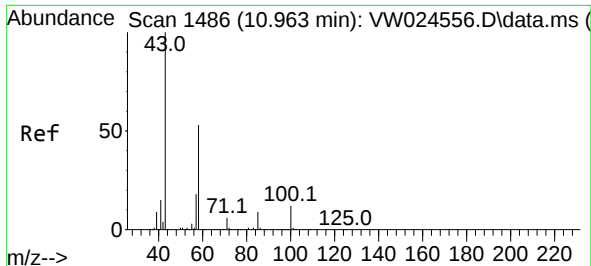
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 218032 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 60.3  | 41.9  | 77.9   |
| 83       | 81.2  | 58.2  | 108.0  |
| 85       | 53.2  | 37.1  | 68.9   |



#46  
Tetrachloroethene  
Concen: 46.677 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 198969 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 105.8 | 75.0  | 139.2  |
| 131      | 99.9  | 70.1  | 130.1  |
| 166      | 125.2 | 95.1  | 176.7  |

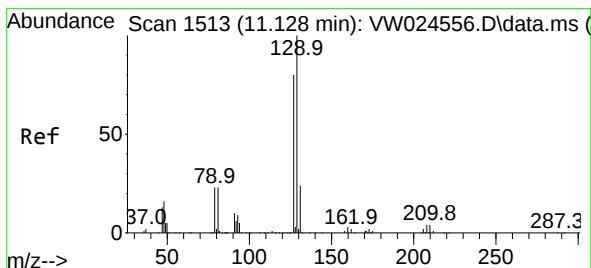
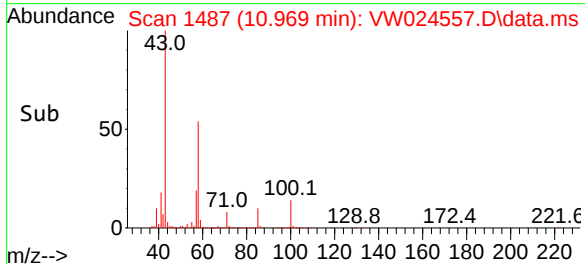
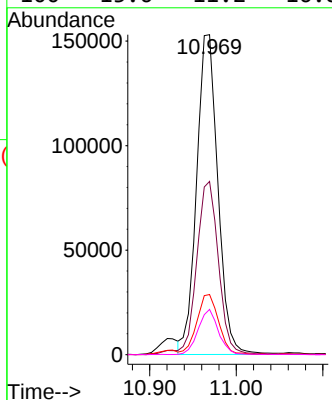
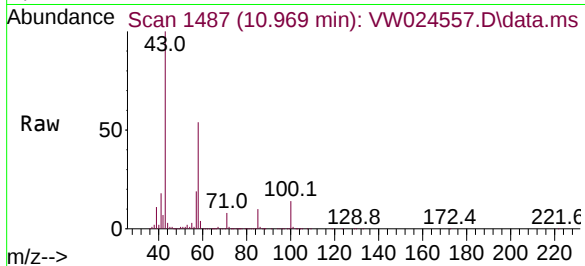




#48  
2-Hexanone  
Concen: 104.659 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.006 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

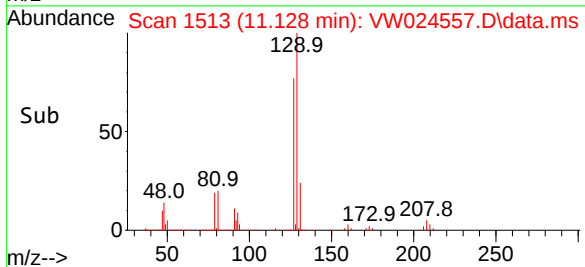
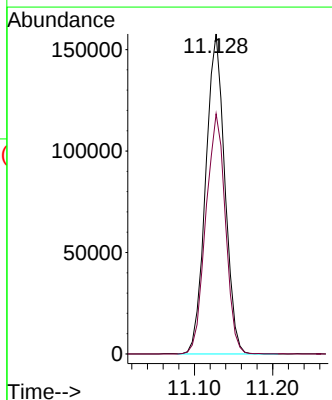
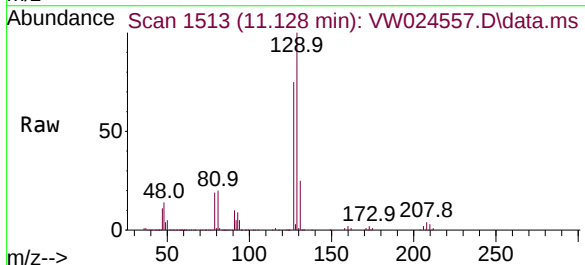
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

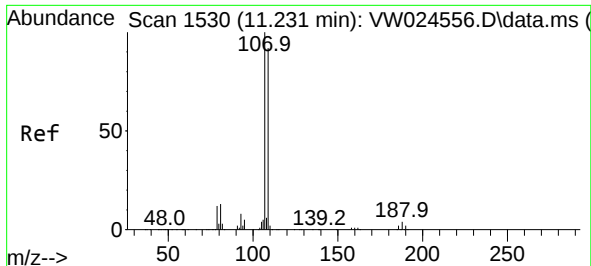
Tgt Ion: 43 Resp: 261922  
Ion Ratio Lower Upper  
43 100  
58 54.8 43.7 65.5  
57 19.3 15.3 22.9  
100 13.6 11.2 16.8



#49  
Dibromochloromethane  
Concen: 49.359 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion:129 Resp: 266789  
Ion Ratio Lower Upper  
129 100  
127 75.1 56.1 104.1

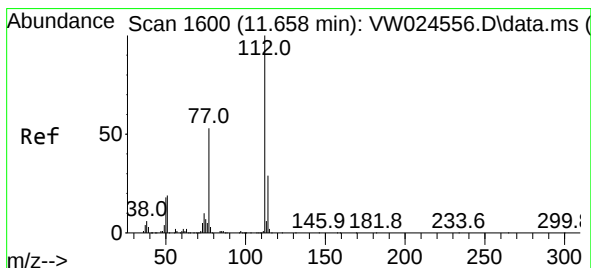
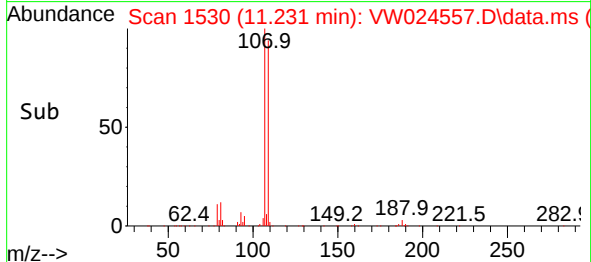
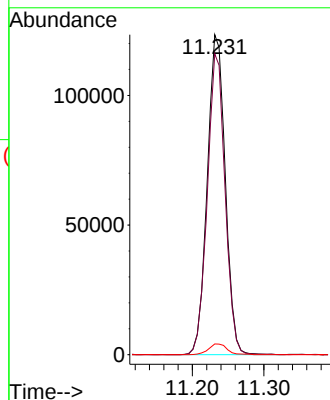
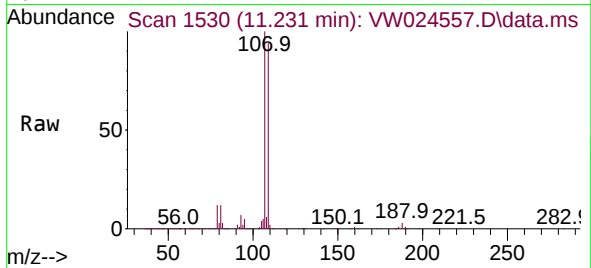




#50  
1,2-Dibromoethane  
Concen: 48.037 ug/L  
RT: 11.231 min Scan# 1530  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

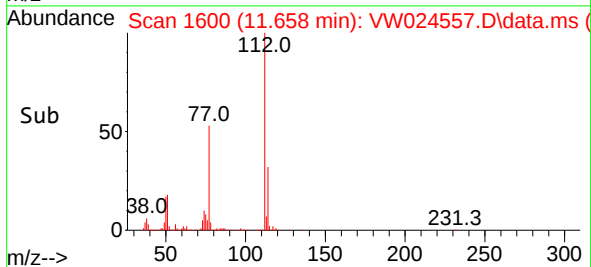
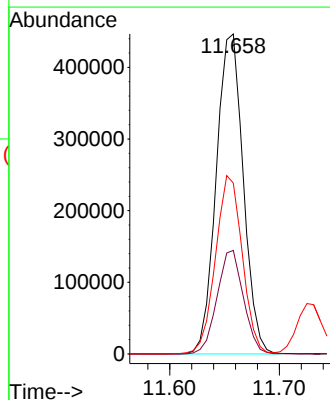
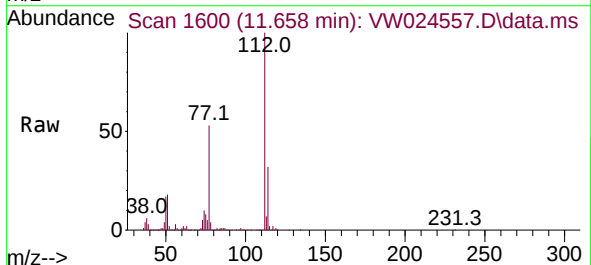
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

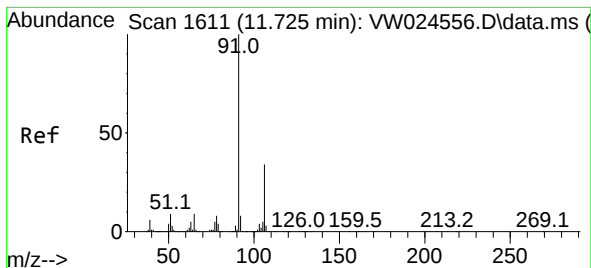
Tgt Ion:107 Resp: 215562  
Ion Ratio Lower Upper  
107 100  
109 94.0 64.5 119.9  
188 3.4 3.0 4.4



#51  
Chlorobenzene  
Concen: 45.359 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion:112 Resp: 765244  
Ion Ratio Lower Upper  
112 100  
114 32.3 20.0 37.2  
77 53.4 42.6 63.8

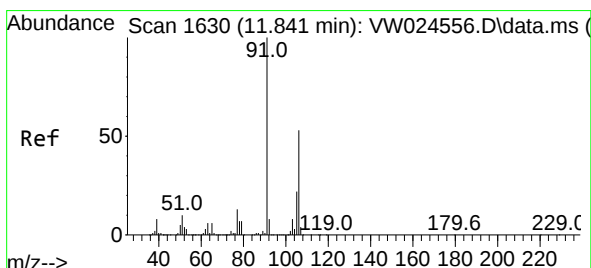
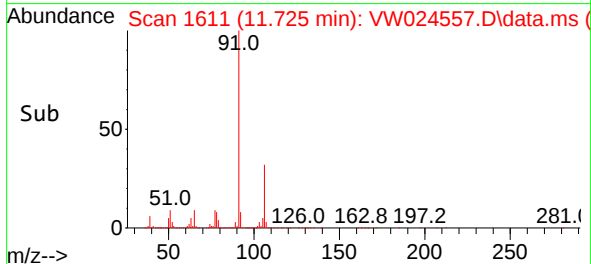
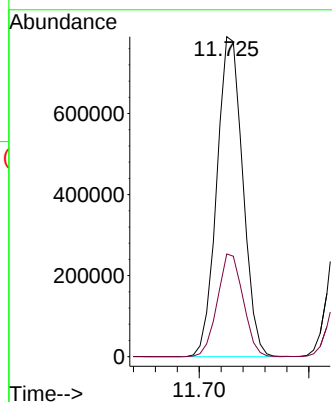
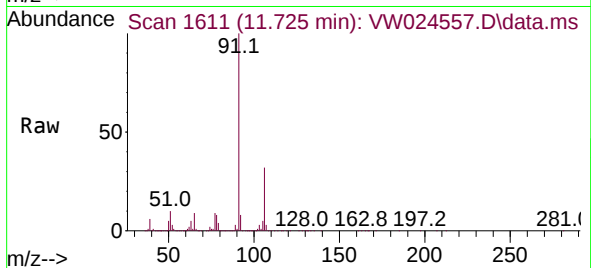




#52  
Ethylbenzene  
Concen: 46.866 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

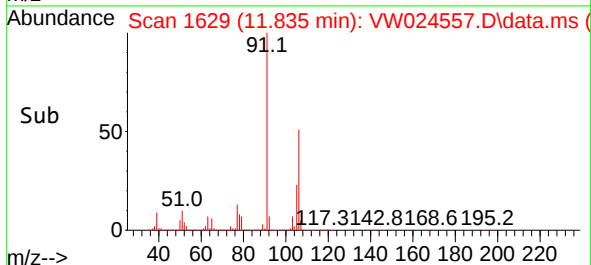
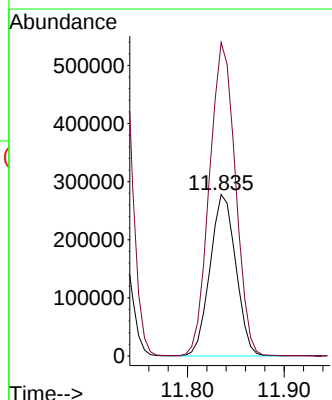
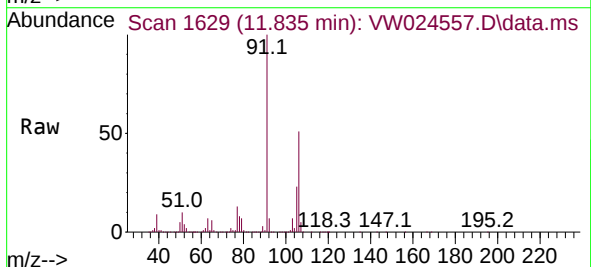
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MSVOA\_W  
ClientSampleId :  
VSTD050434

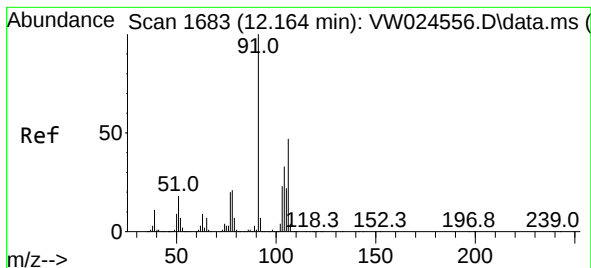
Tgt Ion: 91 Resp: 1299419  
Ion Ratio Lower Upper  
91 100  
106 32.1 23.8 44.2



#53  
m,p-Xylene  
Concen: 47.538 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion:106 Resp: 514952  
Ion Ratio Lower Upper  
106 100  
91 194.2 131.3 243.8

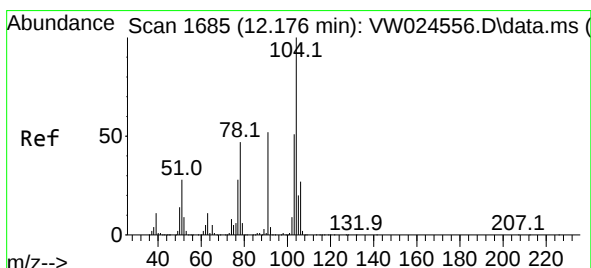
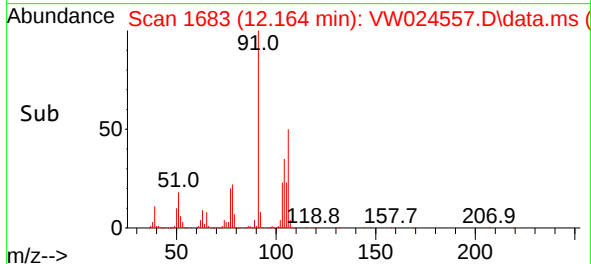
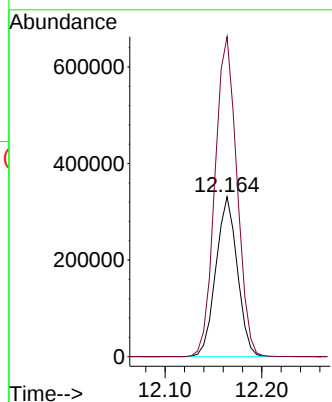
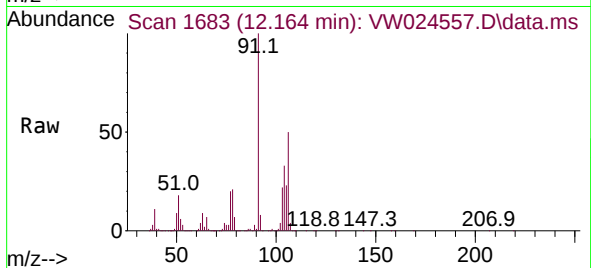




#54  
o-Xylene  
Concen: 49.362 ug/L  
RT: 12.164 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

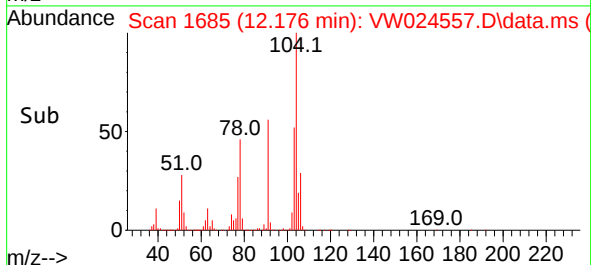
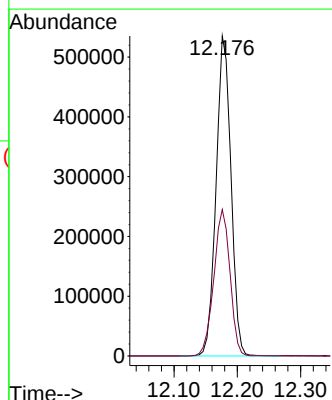
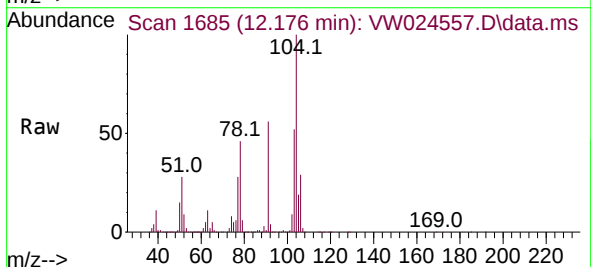
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

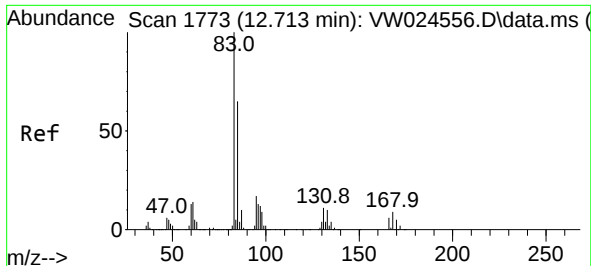
Tgt Ion:106 Resp: 509087  
Ion Ratio Lower Upper  
106 100  
91 200.3 148.7 276.3



#55  
Styrene  
Concen: 48.034 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion:104 Resp: 872000  
Ion Ratio Lower Upper  
104 100  
78 45.8 33.0 61.4

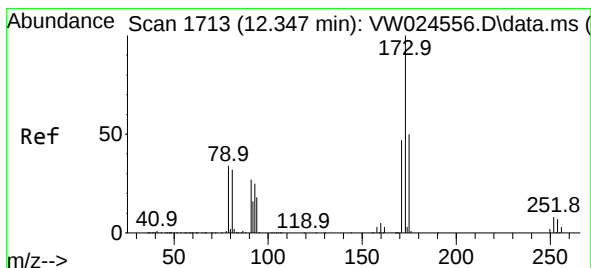
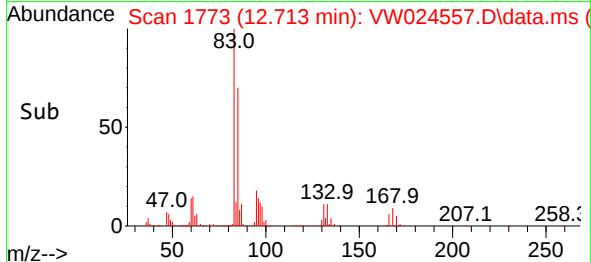
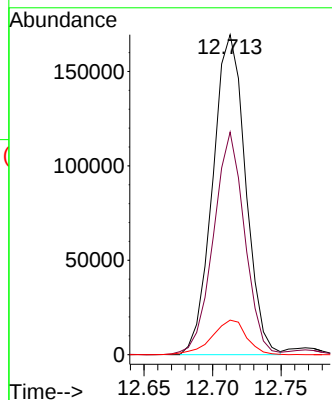
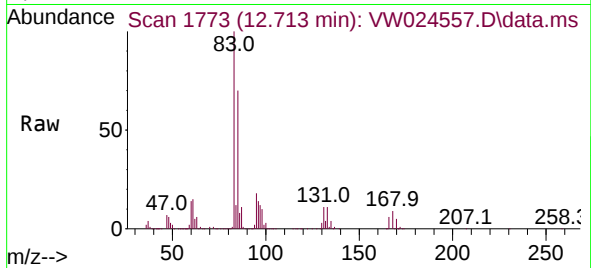




#57  
1,1,2,2-Tetrachloroethane  
Concen: 48.243 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

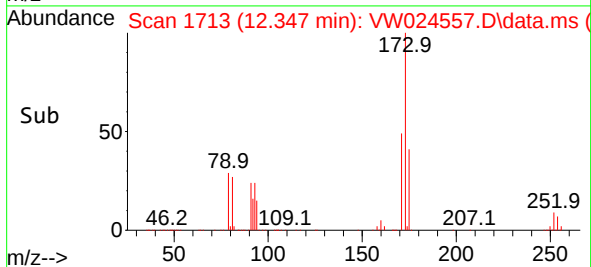
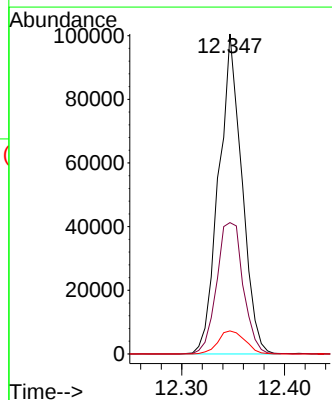
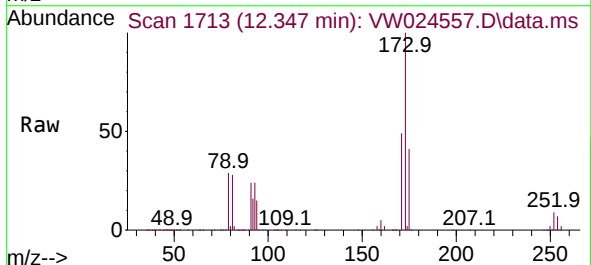
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

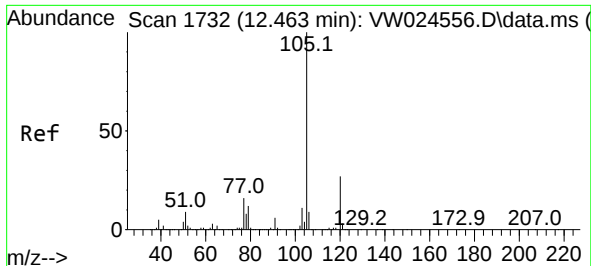
Tgt Ion: 83 Resp: 282391  
Ion Ratio Lower Upper  
83 100  
85 69.6 45.6 84.8  
131 10.8 9.0 13.4



#59  
Bromoform  
Concen: 49.237 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 173 Resp: 157336  
Ion Ratio Lower Upper  
173 100  
175 47.0 40.5 60.7  
254 8.4 6.4 9.6

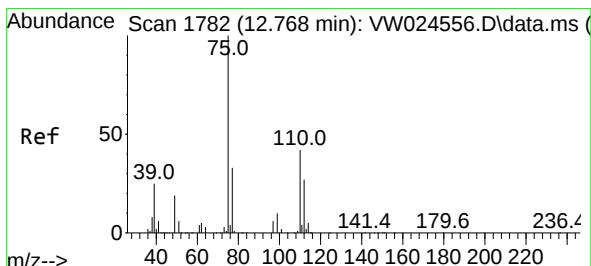
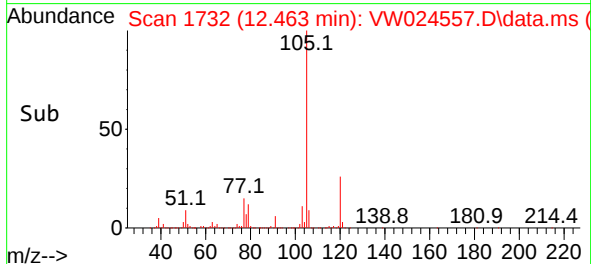
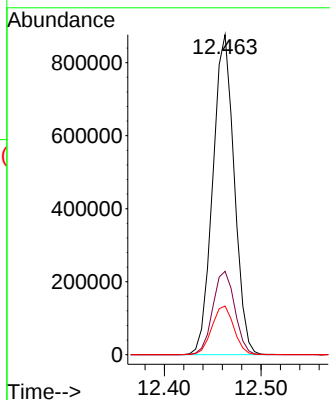
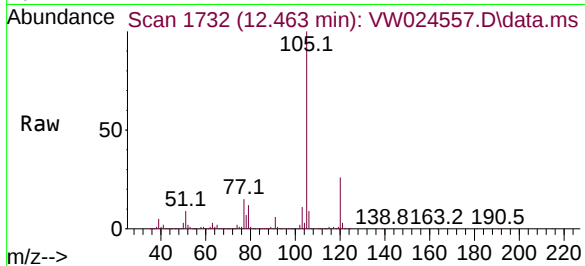




#60  
Isopropylbenzene  
Concen: 45.297 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

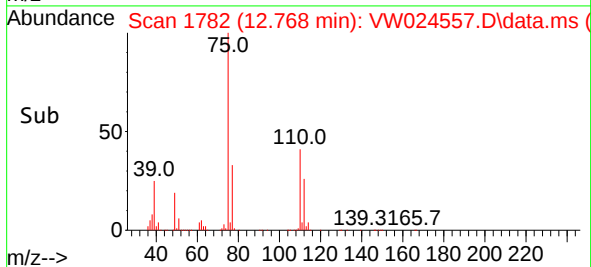
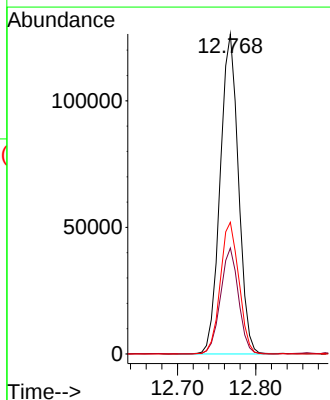
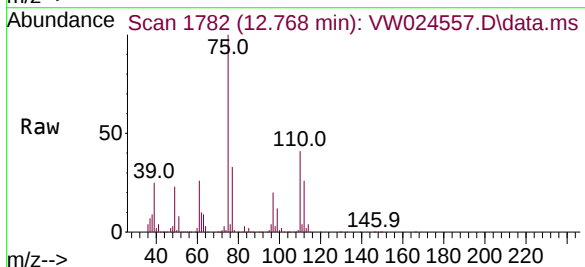
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

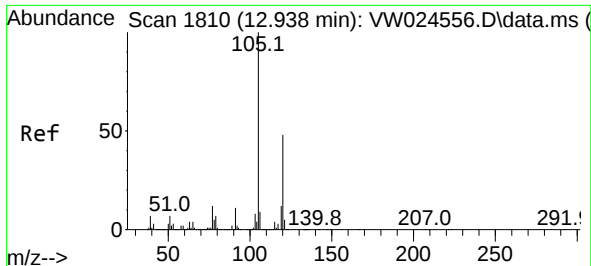
Tgt Ion:105 Resp: 1348305  
Ion Ratio Lower Upper  
105 100  
120 26.8 20.9 31.3  
77 15.6 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 45.143 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion: 75 Resp: 205321  
Ion Ratio Lower Upper  
75 100  
77 32.5 26.8 40.2  
110 41.8 33.8 50.8





#62

1,3,5-Trimethylbenzene

Concen: 47.949 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Instrument :

MSVOA\_W

ClientSampleId :

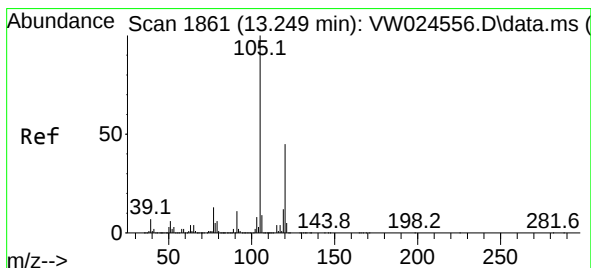
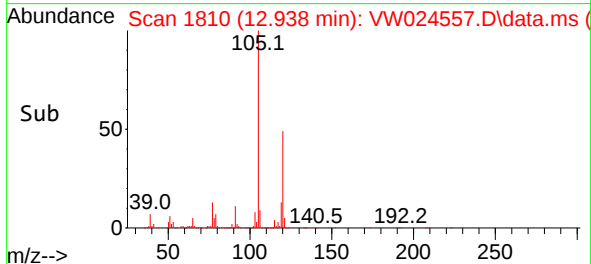
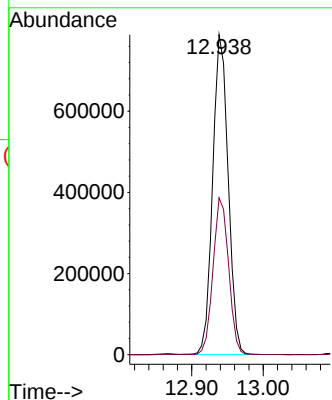
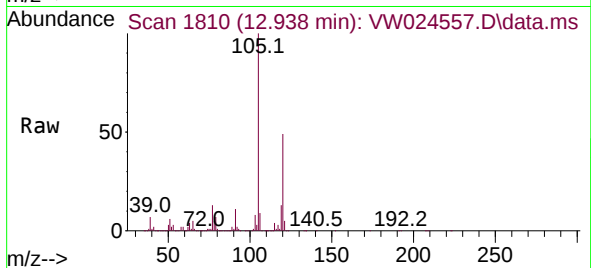
VSTD050434

Tgt Ion:105 Resp: 1185189

Ion Ratio Lower Upper

105 100

120 49.3 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 47.067 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW024557.D

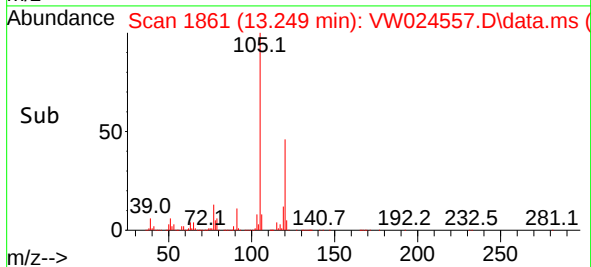
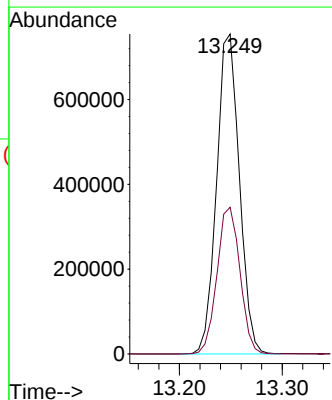
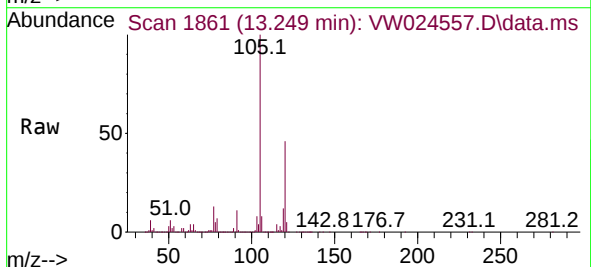
Acq: 06 Sep 2022 13:53

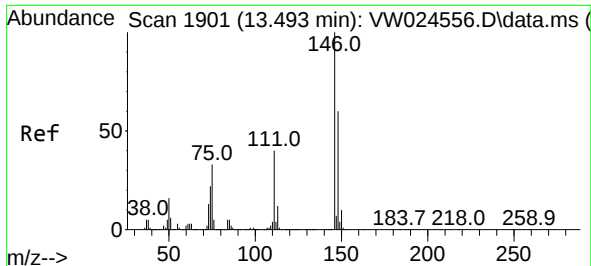
Tgt Ion:105 Resp: 1157879

Ion Ratio Lower Upper

105 100

120 46.4 36.7 55.1

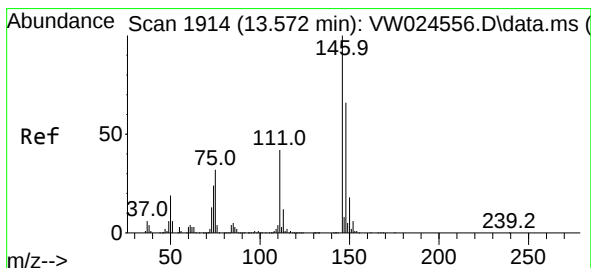
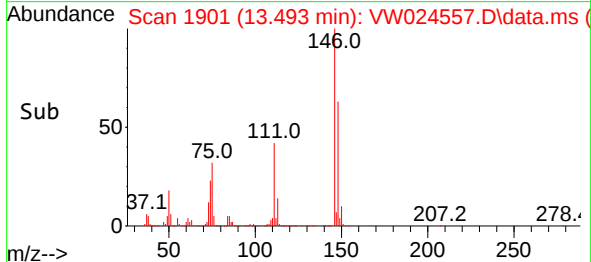
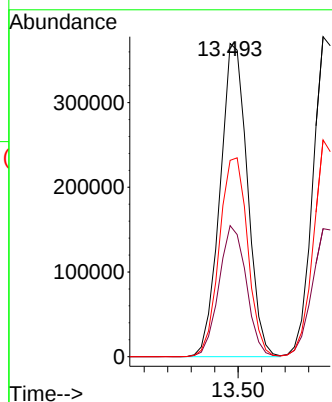
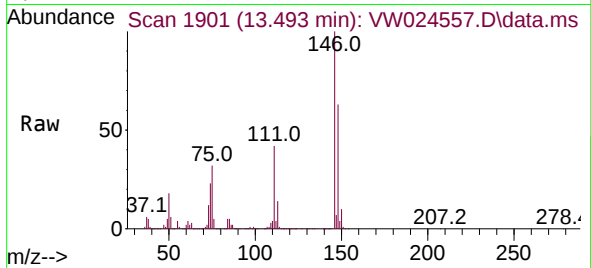




#64  
1,3-Dichlorobenzene  
Concen: 44.518 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

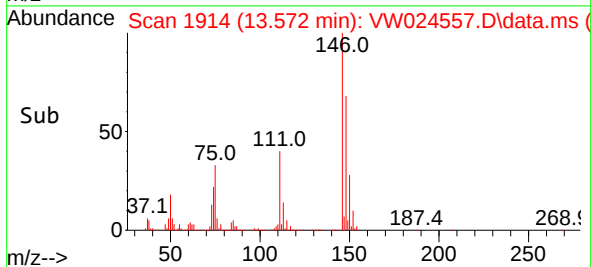
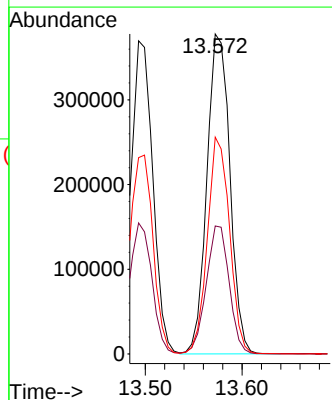
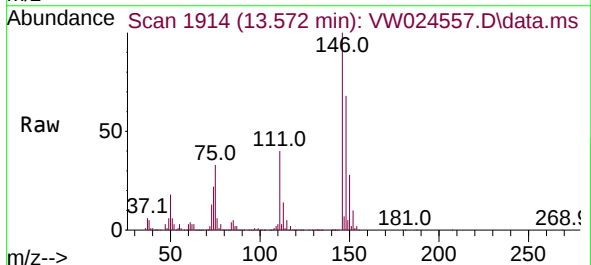
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD050434

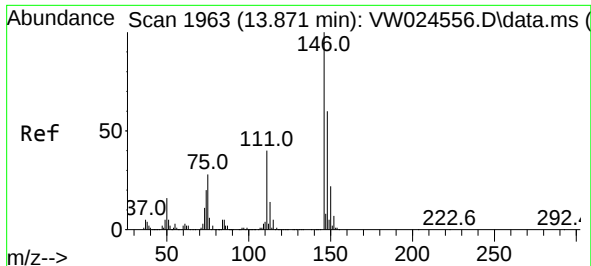
Tgt Ion:146 Resp: 597066  
Ion Ratio Lower Upper  
146 100  
111 41.9 28.3 52.5  
148 62.7 42.2 78.4



#65  
1,4-Dichlorobenzene  
Concen: 44.208 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW024557.D  
Acq: 06 Sep 2022 13:53

Tgt Ion:146 Resp: 624950  
Ion Ratio Lower Upper  
146 100  
111 40.0 29.3 54.3  
148 67.8 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 45.206 ug/L

RT: 13.865 min Scan# 1963

Delta R.T. -0.006 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Instrument :

MSVOA\_W

ClientSampleId :

VSTD050434

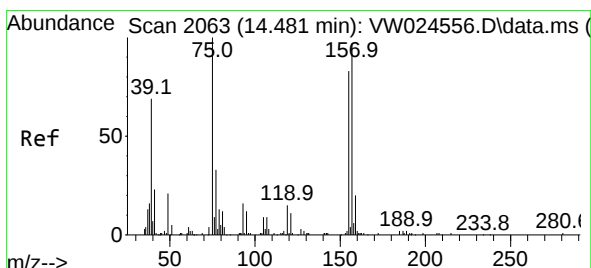
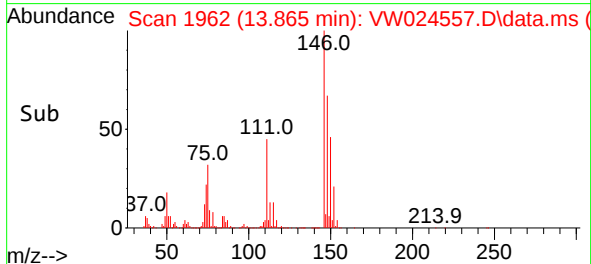
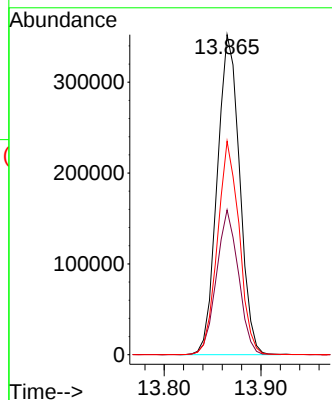
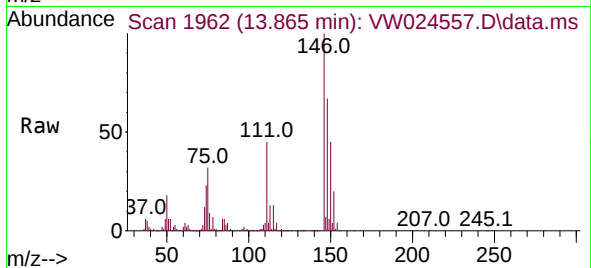
Tgt Ion:146 Resp: 565391

Ion Ratio Lower Upper

146 100

111 45.3 32.2 48.4

148 66.7 48.3 72.5



#68

1,2-Dibromo-3-chloropropane

Concen: 42.823 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

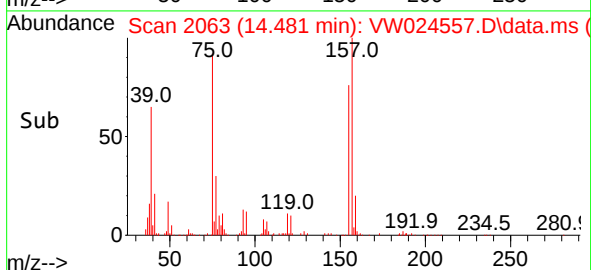
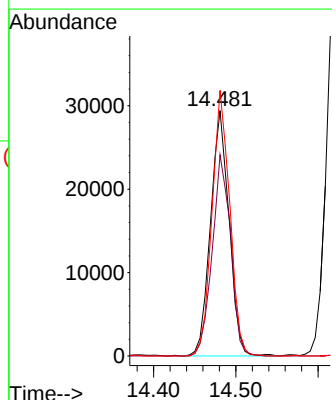
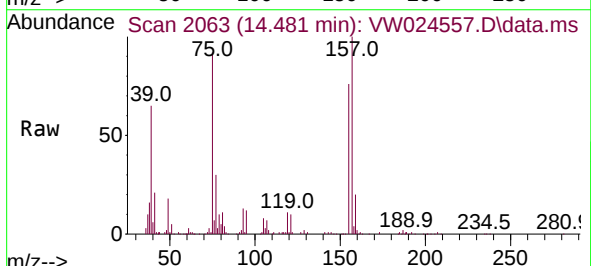
Tgt Ion: 75 Resp: 46084

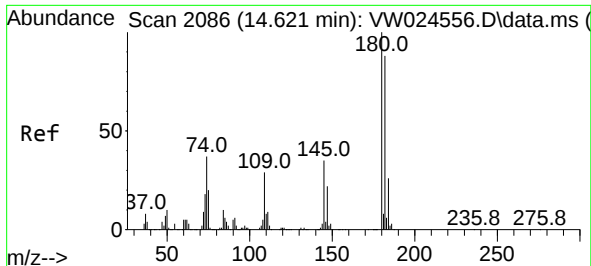
Ion Ratio Lower Upper

75 100

155 82.0 66.3 99.5

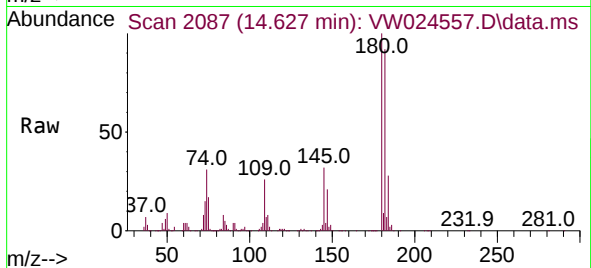
157 108.2 77.6 116.4



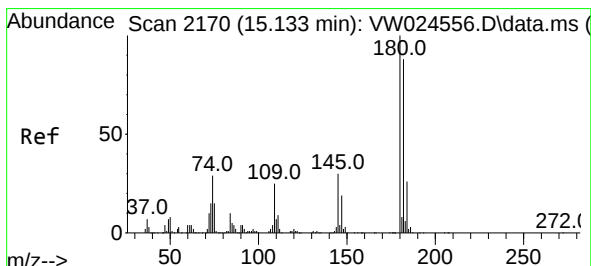
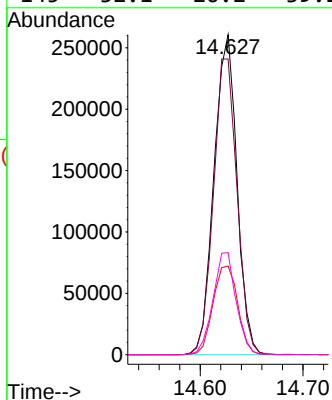
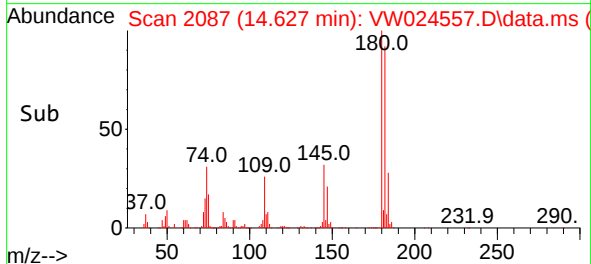


#69  
 1,3,5-Trichlorobenzene  
 Concen: 46.408 ug/L  
 RT: 14.627 min Scan# 2086  
 Delta R.T. 0.006 min  
 Lab File: VW024557.D  
 Acq: 06 Sep 2022 13:53

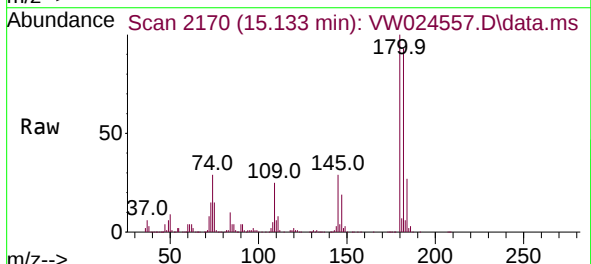
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD050434



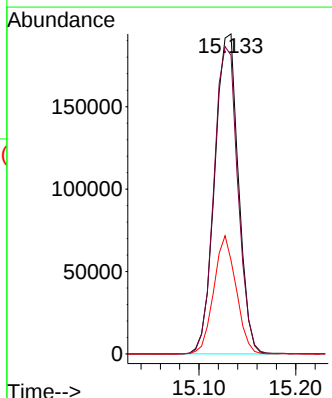
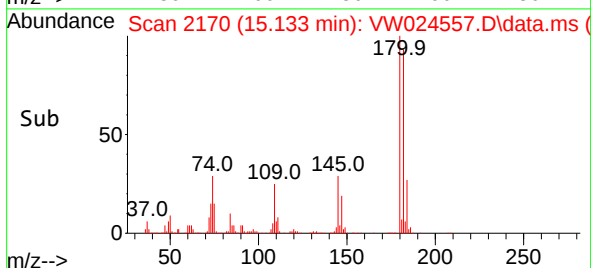
Tgt Ion:180 Resp: 404273  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 72.4 108.6  
 184 29.9 22.8 34.2  
 145 32.1 26.2 39.2

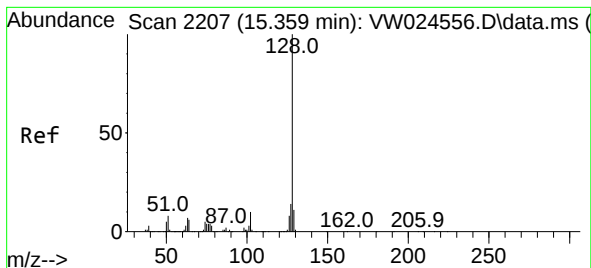


#70  
 1,2,4-trichlorobenzene  
 Concen: 47.596 ug/L  
 RT: 15.133 min Scan# 2170  
 Delta R.T. 0.000 min  
 Lab File: VW024557.D  
 Acq: 06 Sep 2022 13:53



Tgt Ion:180 Resp: 329008  
 Ion Ratio Lower Upper  
 180 100  
 182 97.2 73.8 110.6  
 145 34.8 26.6 39.8





#71

Naphthalene

Concen: 51.824 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Instrument :

MSVOA\_W

ClientSampleId :

VSTD050434

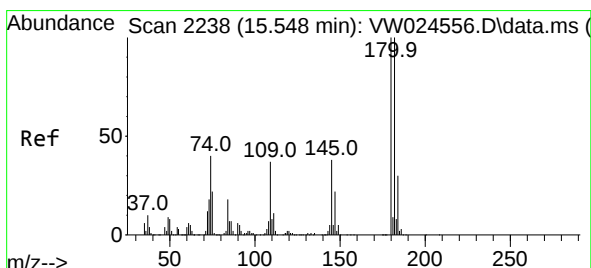
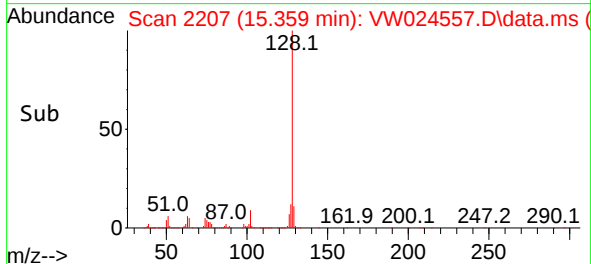
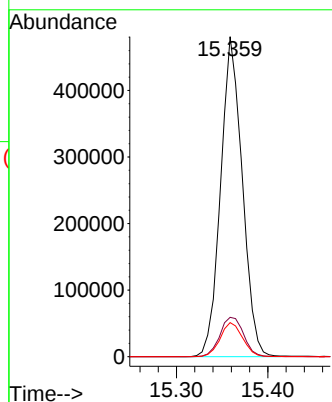
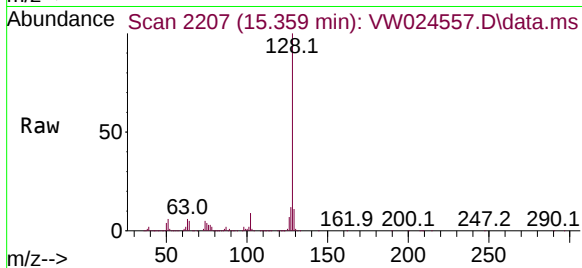
Tgt Ion:128 Resp: 792554

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.151 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW024557.D

Acq: 06 Sep 2022 13:53

Tgt Ion:180 Resp: 303224

Ion Ratio Lower Upper

180 100

182 93.7 78.7 118.1

145 35.1 28.1 42.1

