

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081622\  
 Data File : VW024262.D  
 Acq On : 16 Aug 2022 18:41  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 6.51g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025537

Quant Time: Aug 17 01:04:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 17 01:00:38 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 255136   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 249266   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 146991   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 95312    | 17.872   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.480%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 66923    | 20.145   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 125513   | 20.651   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 82.600%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 62490    | 62.983   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 125.960% |
| 24) Chloroform-d              | 7.647  | 84    | 180987   | 23.445   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 93.760%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 99835    | 23.293   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.160%  |
| 32) Benzene-d6                | 8.269  | 84    | 311393   | 21.182   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 84.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 98351    | 22.659   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 90.640%  |
| 41) Toluene-d8                | 10.323 | 98    | 285209   | 20.757   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 83.040%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 41560    | 21.861   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 87.440%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 48379    | 60.345   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 120.680% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 113667   | 26.992   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 107.960% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 116213   | 21.605   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.440%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.002  | 85    | 55750    | 24.837   | ug/L   | 97       |
| 3) Chloromethane              | 2.215  | 50    | 88270    | 20.968   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.349  | 62    | 145961   | 24.907   | ug/L   | 96       |
| 6) Bromomethane               | 2.770  | 94    | 81384    | 24.221   | ug/L   | 97       |
| 8) Chloroethane               | 2.910  | 64    | 65978    | 25.703   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.245  | 101   | 48721    | 17.538   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.044  | 101   | 95791    | 25.567   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.032  | 96    | 77757    | 25.351   | ug/L   | 94       |
| 14) Carbon disulfide          | 4.373  | 76    | 201585   | 20.538   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.666  | 43    | 44302    | 26.926   | ug/L   | 96       |
| 16) Methylene chloride        | 4.910  | 84    | 101262   | 22.507   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.416  | 96    | 86290    | 24.361   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 155146   | 30.716   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 164700   | 26.396   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 103997   | 26.734   | ug/L # | 90       |
| 22) 2-Butanone                | 7.171  | 43    | 66119    | 53.715   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.513  | 128   | 50152    | 25.887   | ug/L   | 96       |
| 25) Chloroform                | 7.671  | 83    | 190347   | 27.684   | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 8.397  | 62    | 131214   | 28.361   | ug/L   | 97       |

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 ALS Vial : 1 Sample Multiplier: 1

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 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 17 01:00:38 2022  
 Response via : Initial Calibration

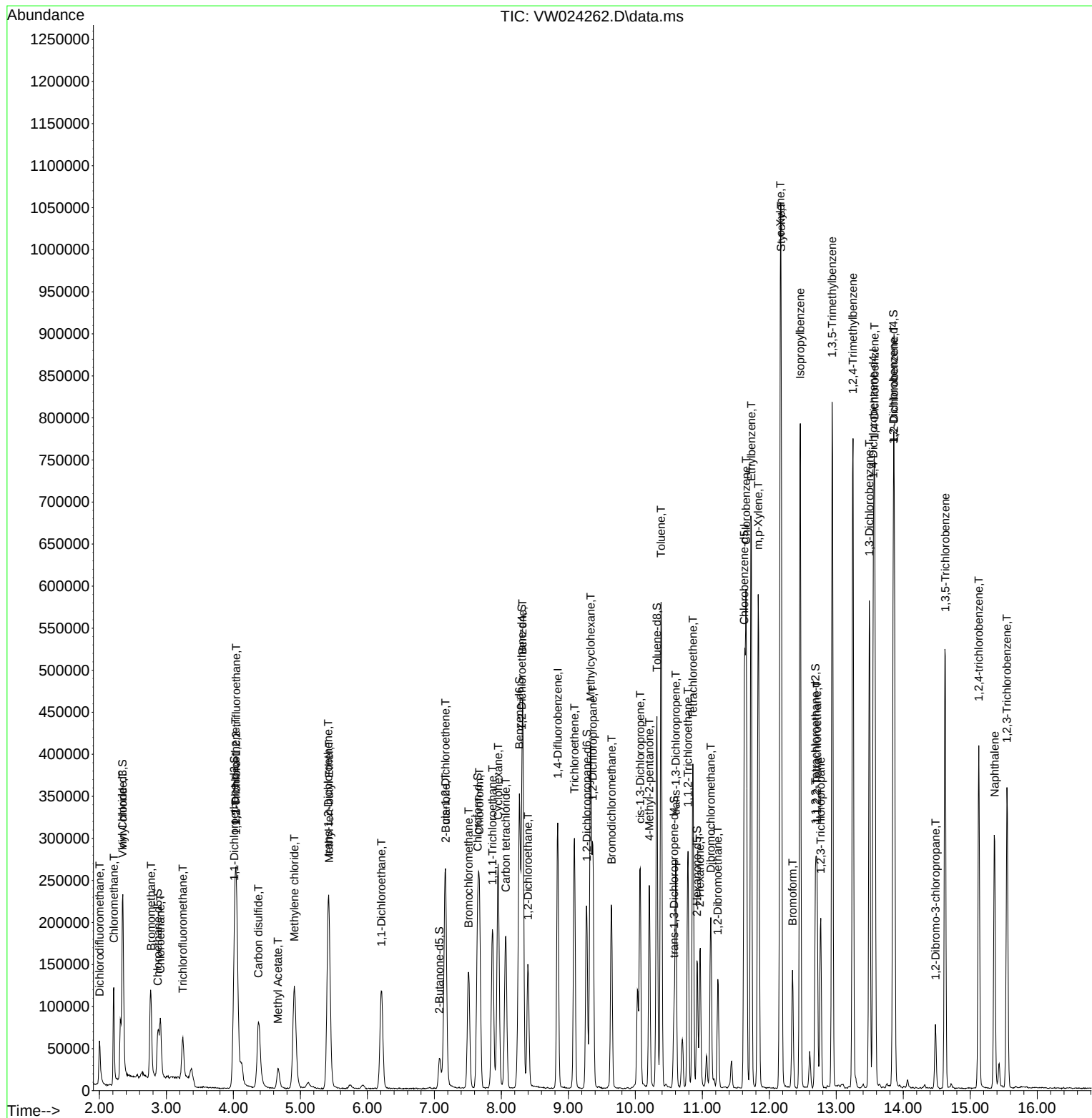
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 29) Cyclohexane               | 7.952  | 56   | 129667   | 25.373 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 149005   | 26.507 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.068  | 117  | 133106   | 25.099 | ug/L   | 100      |
| 33) Benzene                   | 8.317  | 78   | 384345   | 26.107 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 101121   | 25.986 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.336  | 83   | 159182   | 26.086 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 98082    | 26.951 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 139798   | 27.388 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 148387   | 27.715 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 142466   | 58.985 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 415561   | 26.563 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 135551   | 27.708 | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 10.787 | 97   | 84924    | 27.686 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 81052    | 25.728 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.963 | 43   | 102657   | 62.629 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 102269   | 27.695 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 79928    | 27.197 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.652 | 112  | 281521   | 26.338 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 473116   | 27.602 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 182722   | 27.386 | ug/L   | 92       |
| 54) o-Xylene                  | 12.164 | 106  | 176653   | 28.026 | ug/L   | 98       |
| 55) Styrene                   | 12.177 | 104  | 320329   | 29.220 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 108567   | 28.321 | ug/L   | 96       |
| 59) Bromoform                 | 12.347 | 173  | 59018    | 26.323 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 487431   | 27.393 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 78600    | 26.869 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 410578   | 27.921 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 402336   | 27.782 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 231511   | 26.569 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146  | 237624   | 25.754 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 214079   | 25.872 | ug/L # | 88       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 17285    | 25.290 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 155908   | 27.287 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 114457   | 25.014 | ug/L   | 92       |
| 71) Naphthalene               | 15.365 | 128  | 249818   | 28.030 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 109166   | 26.205 | ug/L   | 97       |

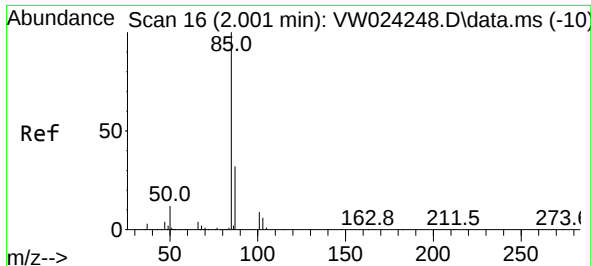
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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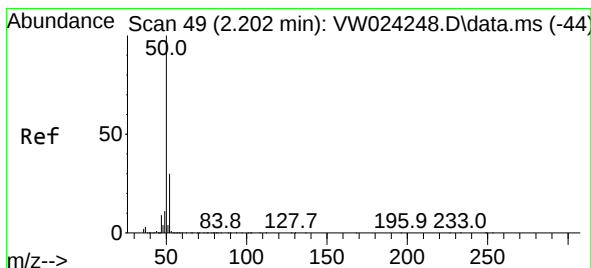
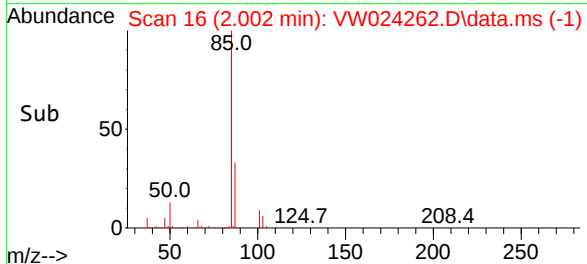
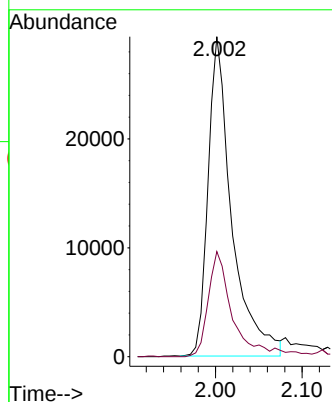
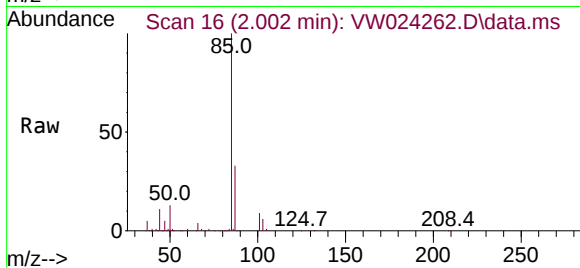




#2  
 Dichlorodifluoromethane  
 Concen: 24.837 ug/L  
 RT: 2.002 min Scan# 1  
 Delta R.T. 0.001 min  
 Lab File: VW024262.D  
 Acq: 16 Aug 2022 18:41

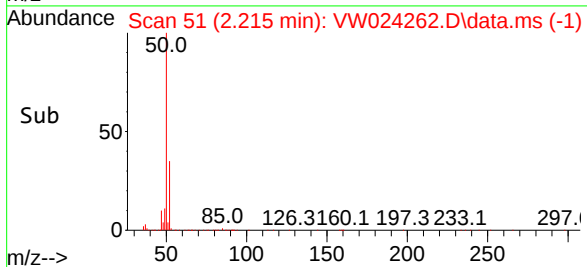
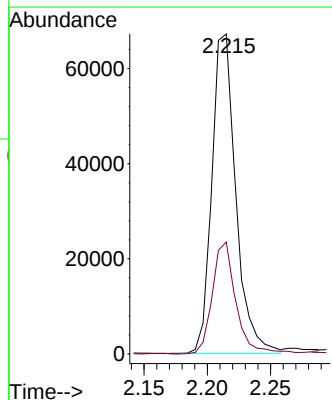
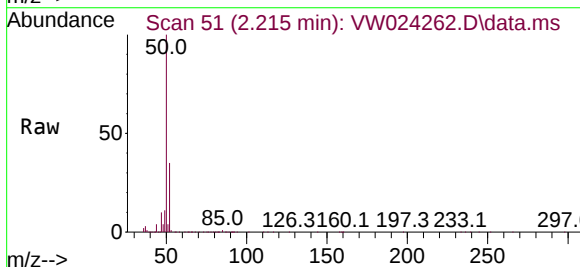
Instrument :  
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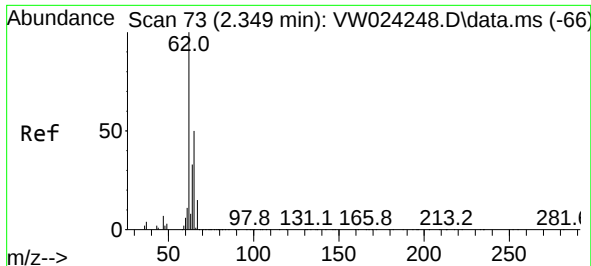
Tgt Ion: 85 Resp: 55750  
 Ion Ratio Lower Upper  
 85 100  
 87 32.1 24.5 36.7



#3  
 Chloromethane  
 Concen: 20.968 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. 0.013 min  
 Lab File: VW024262.D  
 Acq: 16 Aug 2022 18:41

Tgt Ion: 50 Resp: 88270  
 Ion Ratio Lower Upper  
 50 100  
 52 35.0 23.2 43.2

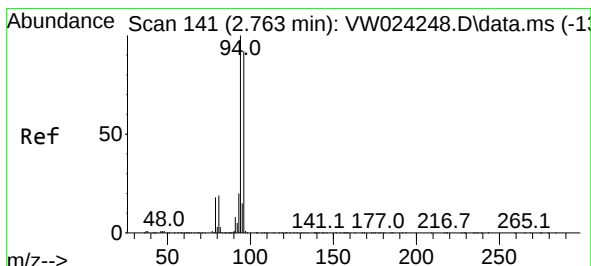
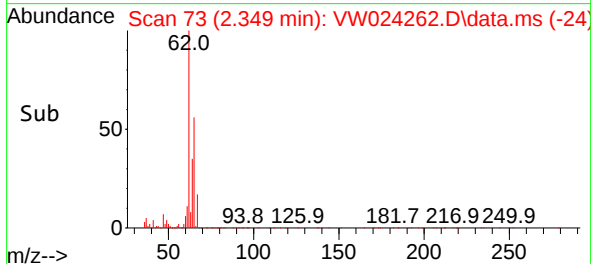
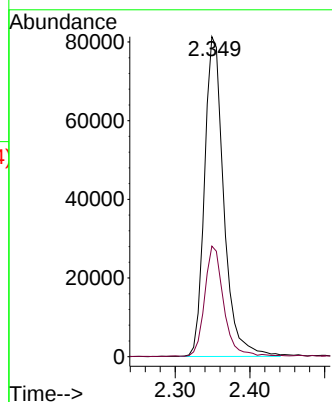
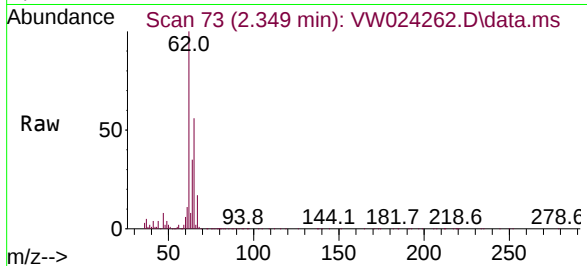




#5  
 Vinyl chloride  
 Concen: 24.907 ug/L  
 RT: 2.349 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VW024262.D  
 Acq: 16 Aug 2022 18:41

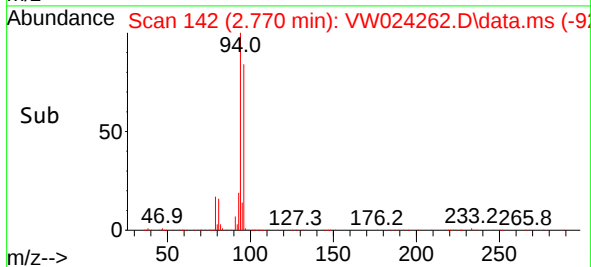
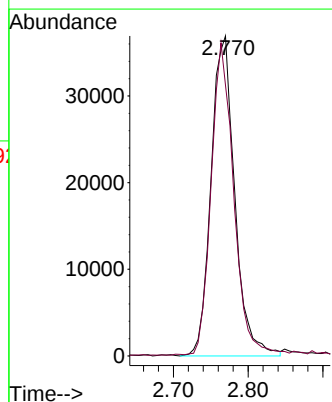
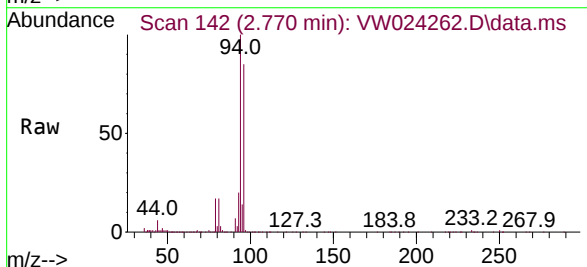
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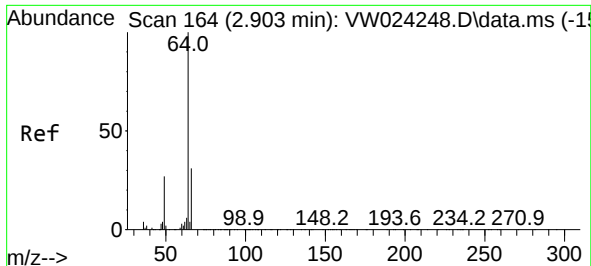
Tgt Ion: 62 Resp: 145961  
 Ion Ratio Lower Upper  
 62 100  
 64 34.6 22.7 42.3



#6  
 Bromomethane  
 Concen: 24.221 ug/L  
 RT: 2.770 min Scan# 142  
 Delta R.T. 0.007 min  
 Lab File: VW024262.D  
 Acq: 16 Aug 2022 18:41

Tgt Ion: 94 Resp: 81384  
 Ion Ratio Lower Upper  
 94 100  
 96 84.6 61.0 113.4

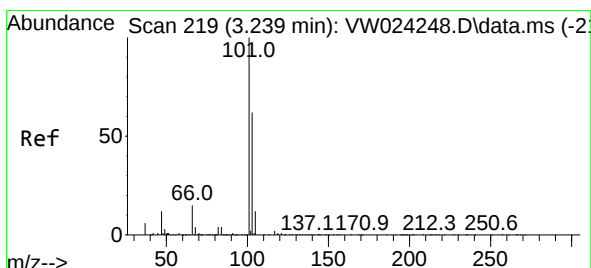
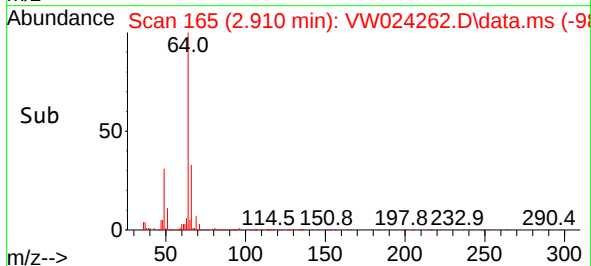
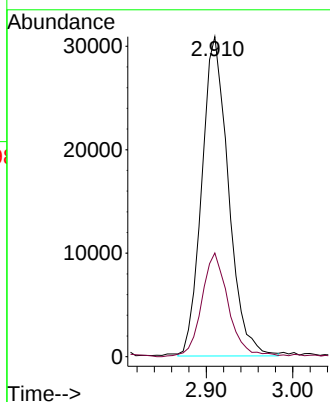
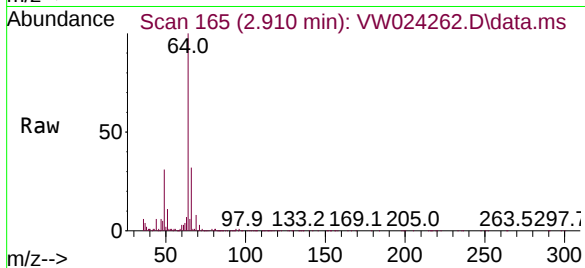




#8  
Chloroethane  
Concen: 25.703 ug/L  
RT: 2.910 min Scan# 1  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

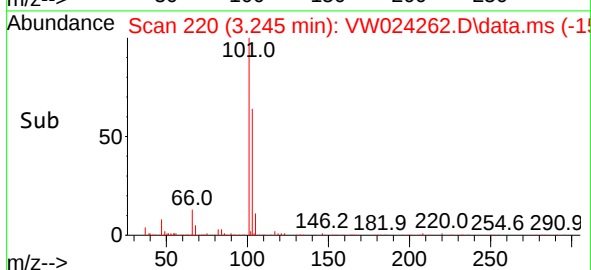
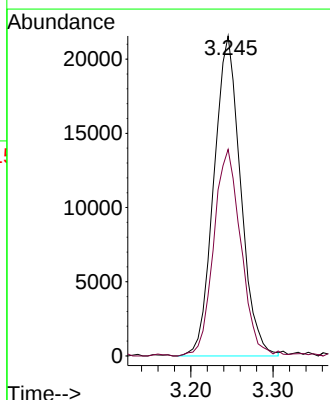
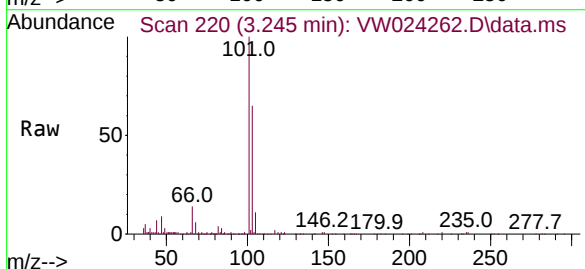
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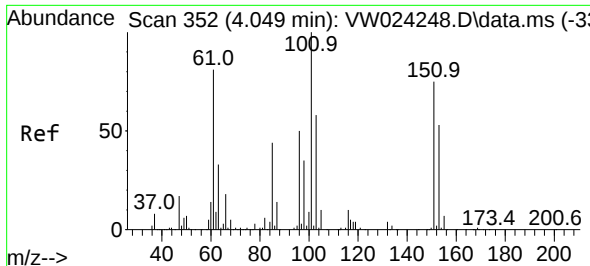
Tgt Ion: 64 Resp: 65978  
Ion Ratio Lower Upper  
64 100  
66 32.4 21.6 40.0



#9  
Trichlorofluoromethane  
Concen: 17.538 ug/L  
RT: 3.245 min Scan# 220  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 101 Resp: 48721  
Ion Ratio Lower Upper  
101 100  
103 65.4 50.5 75.7

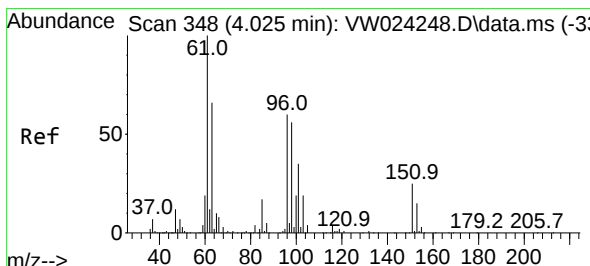
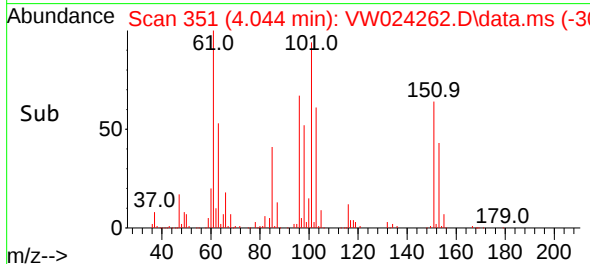
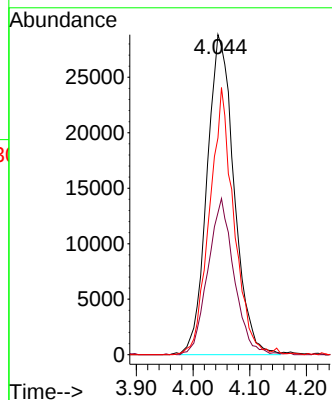
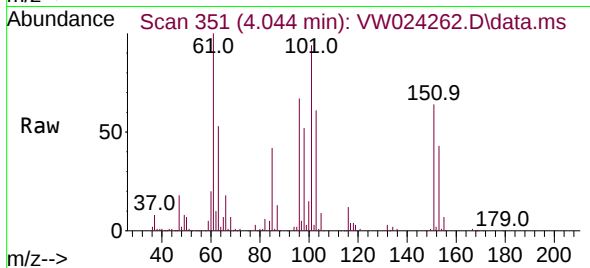




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.567 ug/L  
 RT: 4.044 min Scan# 352  
 Delta R.T. -0.006 min  
 Lab File: VW024262.D  
 Acq: 16 Aug 2022 18:41

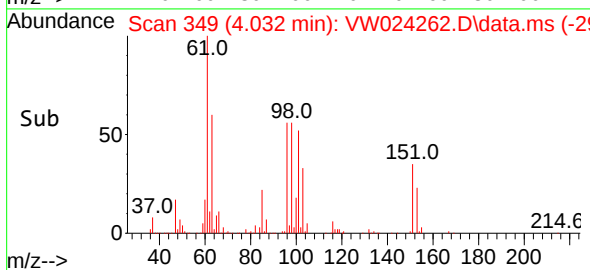
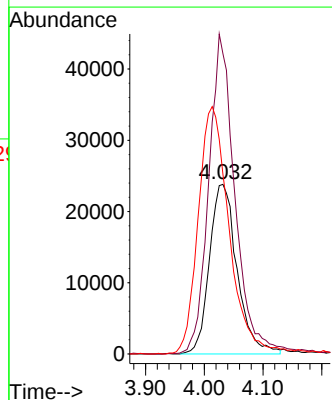
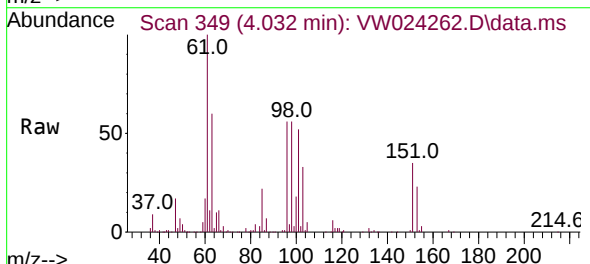
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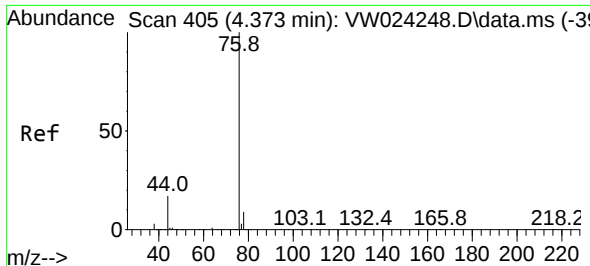
Tgt Ion:101 Resp: 95791  
 Ion Ratio Lower Upper  
 101 100  
 85 46.8 34.9 52.3  
 151 74.9 57.0 85.6



#12  
 1,1-Dichloroethene  
 Concen: 25.351 ug/L  
 RT: 4.032 min Scan# 349  
 Delta R.T. 0.007 min  
 Lab File: VW024262.D  
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Tgt Ion: 96 Resp: 77757  
 Ion Ratio Lower Upper  
 96 100  
 61 177.1 123.1 228.5  
 63 105.9 84.9 157.7

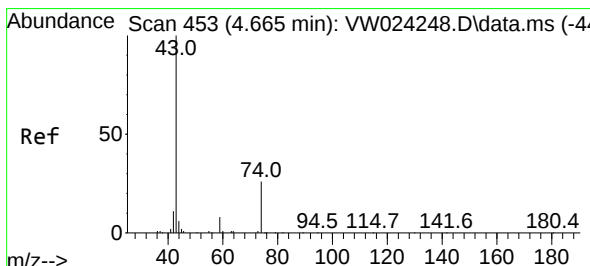
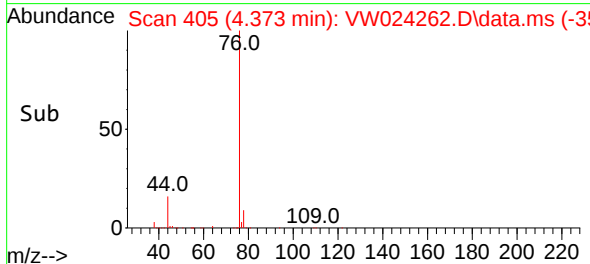
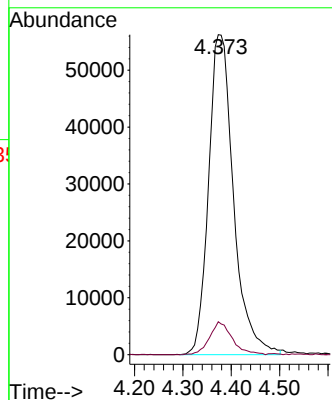
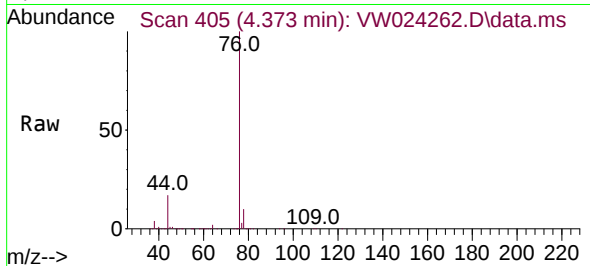




#14  
Carbon disulfide  
Concen: 20.538 ug/L  
RT: 4.373 min Scan# 405  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

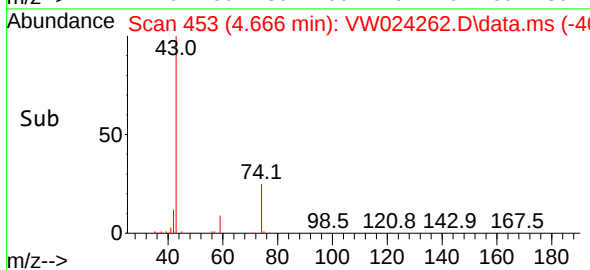
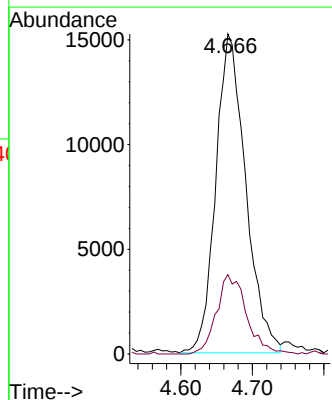
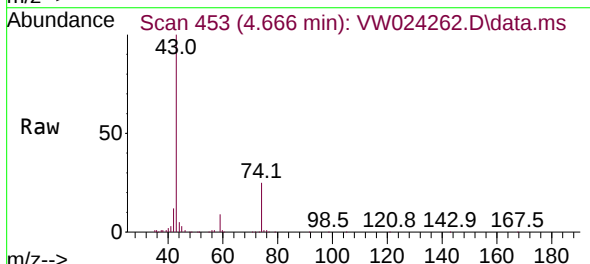
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

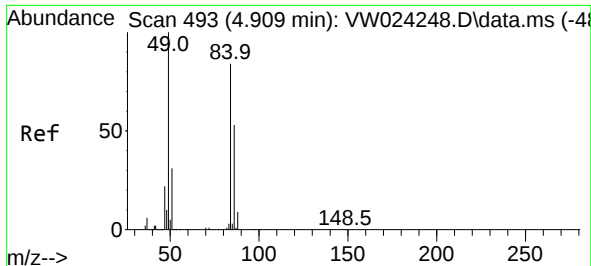
Tgt Ion: 76 Resp: 201585  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.9 11.9



#15  
Methyl Acetate  
Concen: 26.926 ug/L  
RT: 4.666 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 43 Resp: 44302  
Ion Ratio Lower Upper  
43 100  
74 24.8 21.5 32.3

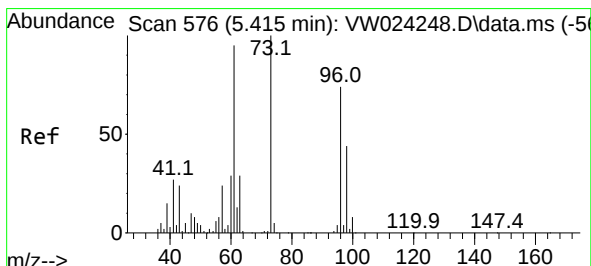
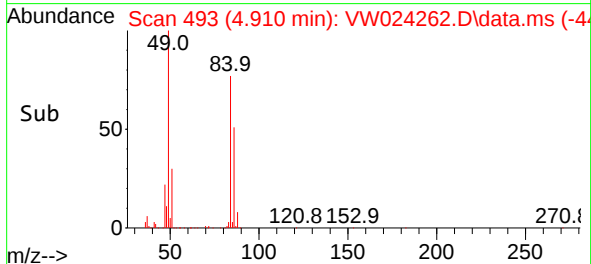
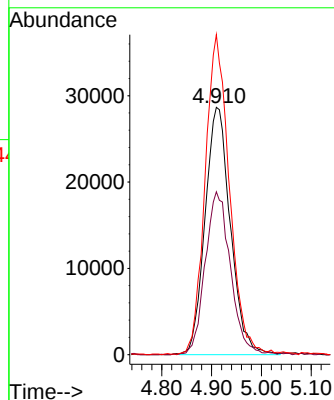
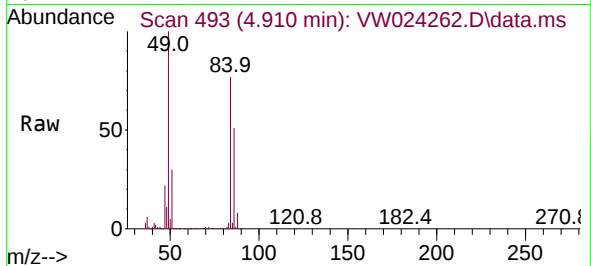




#16  
Methylene chloride  
Concen: 22.507 ug/L  
RT: 4.910 min Scan# 493  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

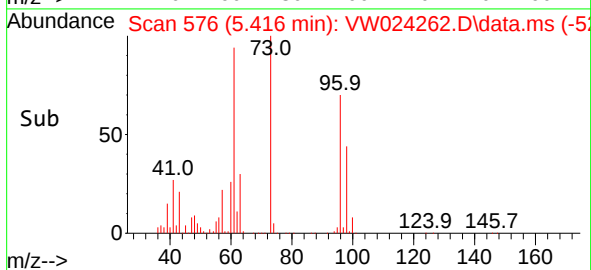
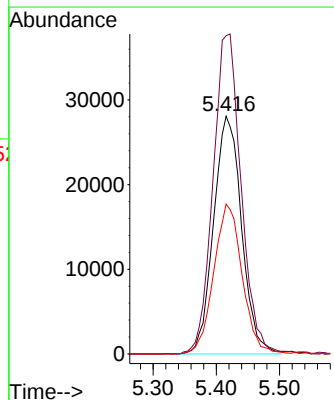
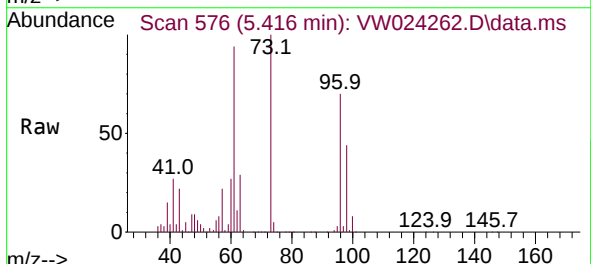
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

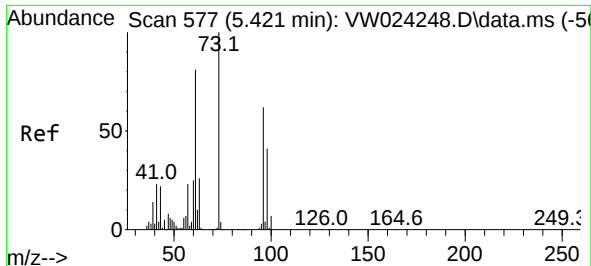
Tgt Ion: 84 Resp: 101262  
Ion Ratio Lower Upper  
84 100  
86 65.8 42.8 79.6  
49 129.4 85.3 158.3



#17  
trans-1,2-Dichloroethene  
Concen: 24.361 ug/L  
RT: 5.416 min Scan# 576  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 96 Resp: 86290  
Ion Ratio Lower Upper  
96 100  
61 133.9 93.0 172.8  
98 63.1 48.5 90.1

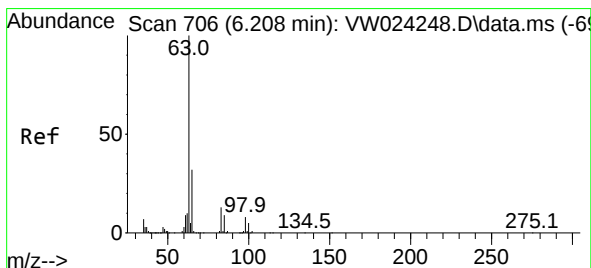
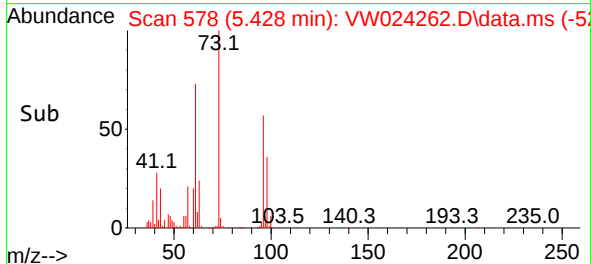
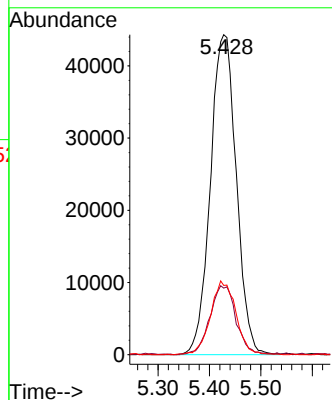
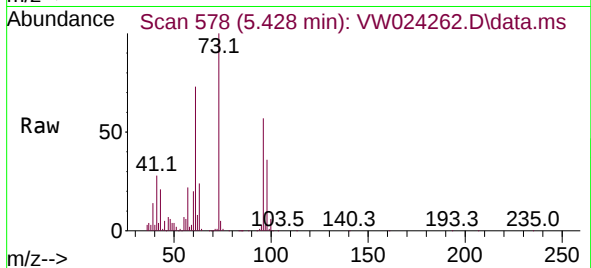




#18  
Methyl tert-butyl Ether  
Concen: 30.716 ug/L  
RT: 5.428 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

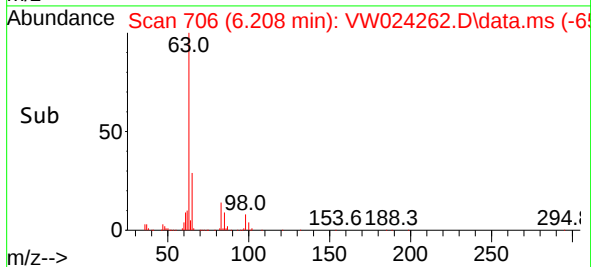
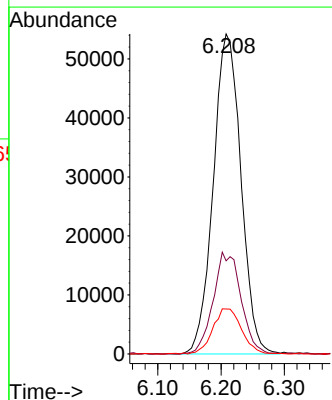
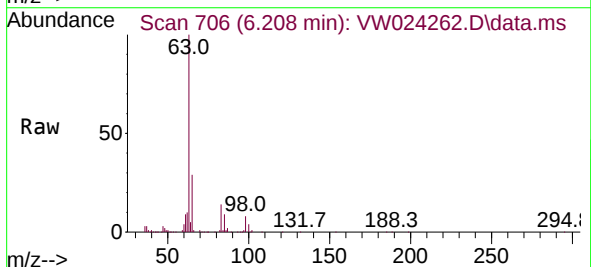
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

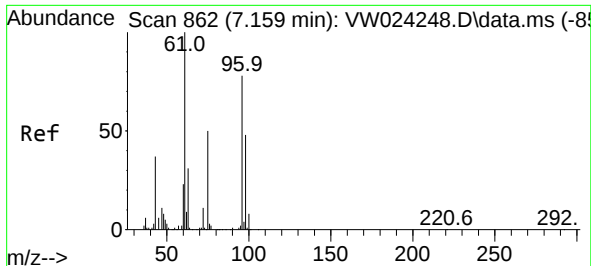
Tgt Ion: 73 Resp: 155146  
Ion Ratio Lower Upper  
73 100  
43 21.1 16.6 24.8  
57 22.4 17.6 26.4



#19  
1,1-Dichloroethane  
Concen: 26.396 ug/L  
RT: 6.208 min Scan# 706  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 63 Resp: 164700  
Ion Ratio Lower Upper  
63 100  
65 29.1 22.0 41.0  
83 14.1 9.2 17.0

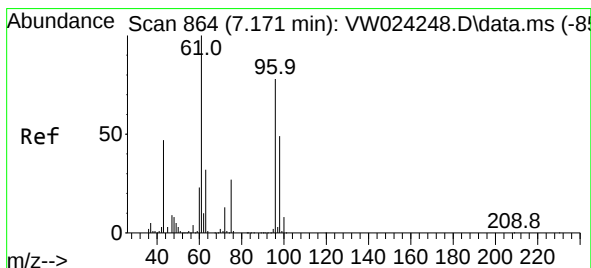
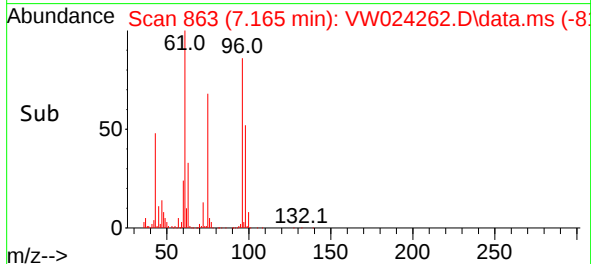
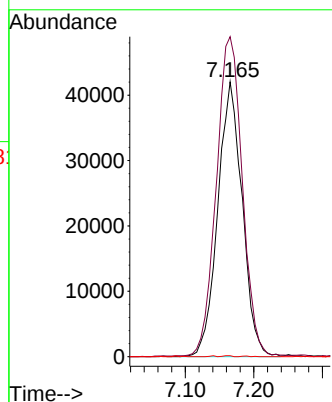
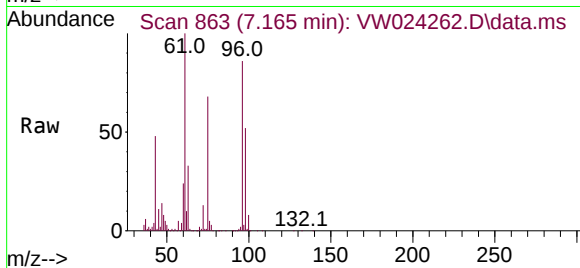




#20  
cis-1,2-Dichloroethene  
Concen: 26.734 ug/L  
RT: 7.165 min Scan# 863  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

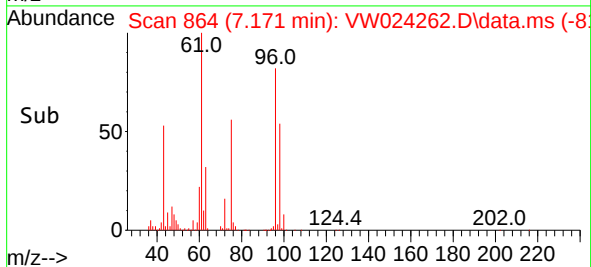
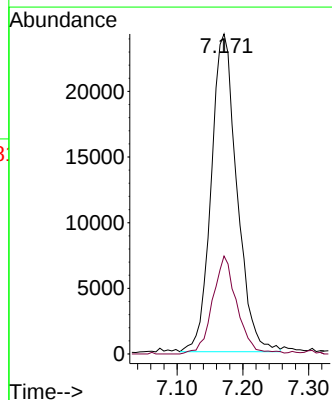
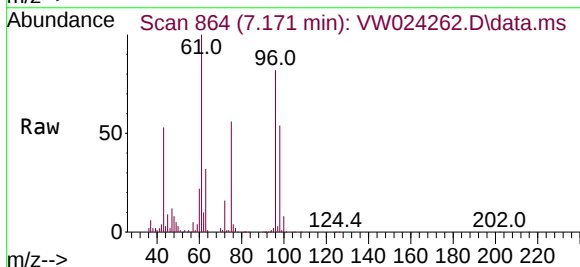
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

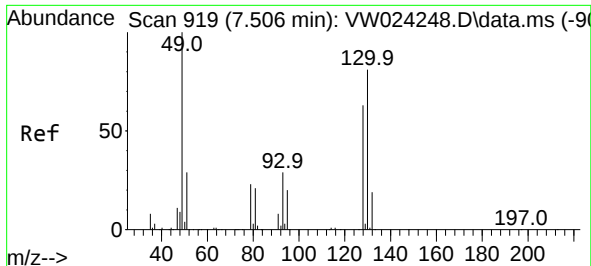
Tgt Ion: 96 Resp: 103997  
Ion Ratio Lower Upper  
96 100  
61 116.4 89.5 166.3  
68 0.4 0.1 0.1#



#22  
2-Butanone  
Concen: 53.715 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 43 Resp: 66119  
Ion Ratio Lower Upper  
43 100  
72 26.7 14.3 42.9

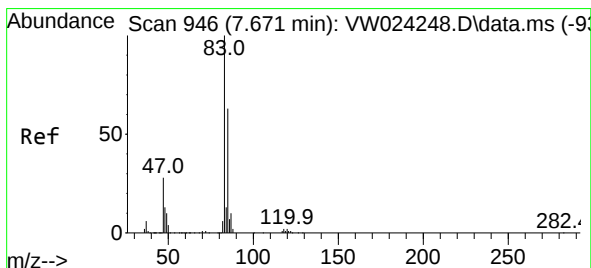
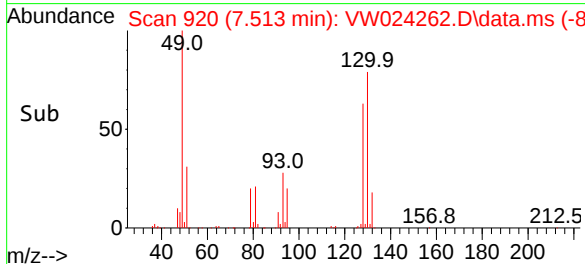
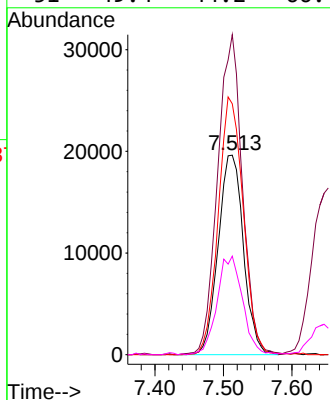
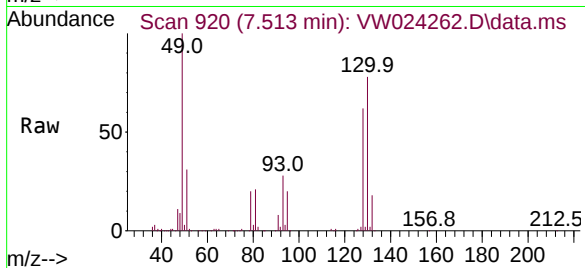




#23  
Bromochloromethane  
Concen: 25.887 ug/L  
RT: 7.513 min Scan# 919  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

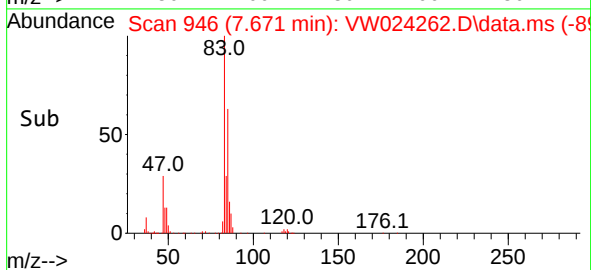
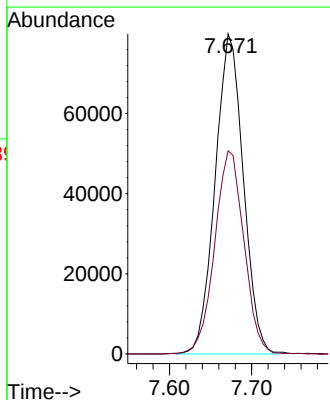
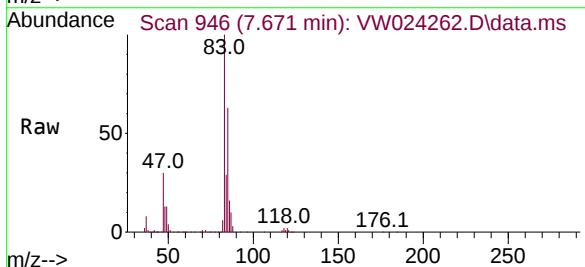
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

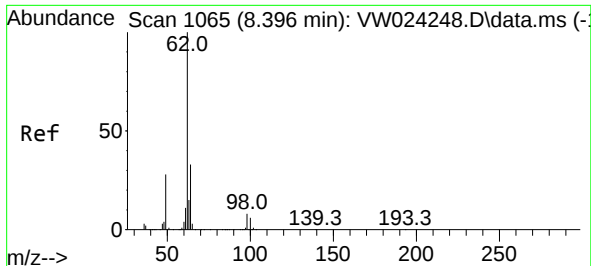
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 50152 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 160.4 | 106.6 | 198.0 |
| 130      | 125.7 | 88.1  | 163.5 |
| 51       | 49.4  | 44.2  | 66.4  |



#25  
Chloroform  
Concen: 27.684 ug/L  
RT: 7.671 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 190347 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.5  | 42.9  | 79.7   |





#27

1,2-Dichloroethane

Concen: 28.361 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. 0.001 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Instrument :

MSVOA\_W

ClientSampleId :

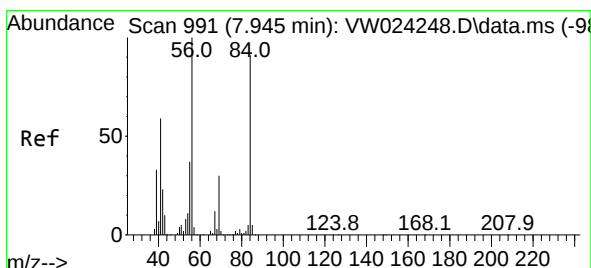
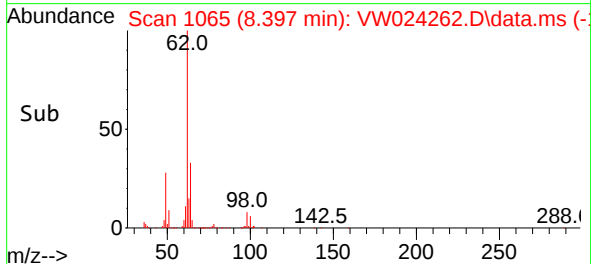
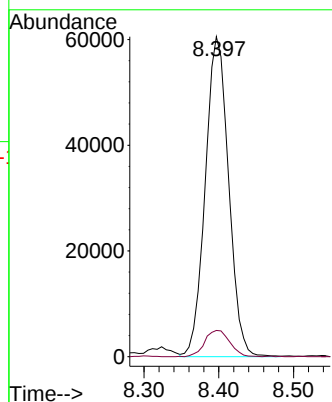
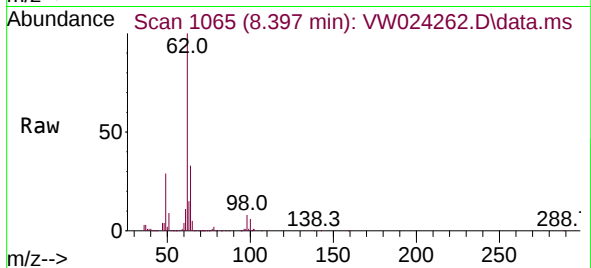
VSTD025537

Tgt Ion: 62 Resp: 131214

Ion Ratio Lower Upper

62 100

98 8.2 7.4 11.0



#29

Cyclohexane

Concen: 25.373 ug/L

RT: 7.952 min Scan# 992

Delta R.T. 0.007 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

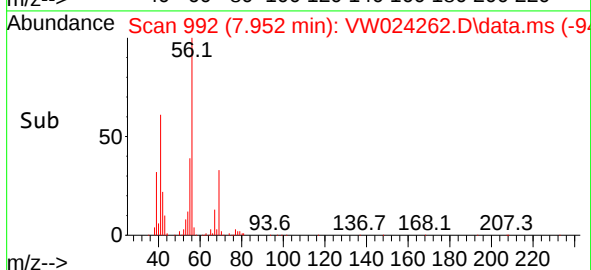
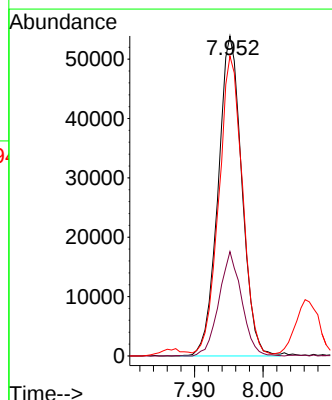
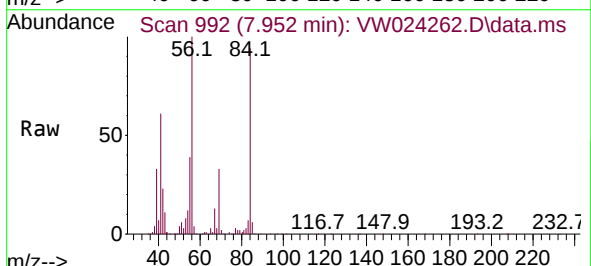
Tgt Ion: 56 Resp: 129667

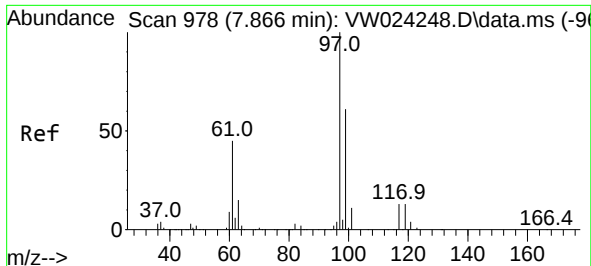
Ion Ratio Lower Upper

56 100

69 31.1 24.5 36.7

84 93.4 75.5 113.3





#30

1,1,1-Trichloroethane

Concen: 26.507 ug/L

RT: 7.866 min Scan# 91

Delta R.T. 0.001 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025537

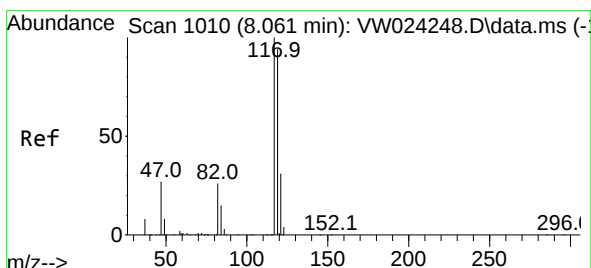
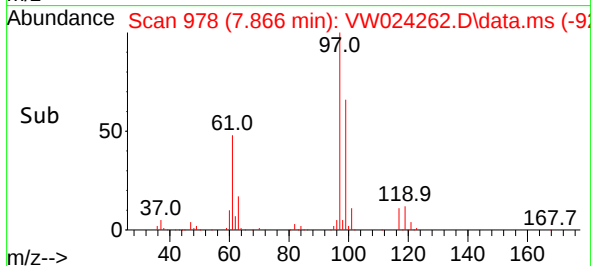
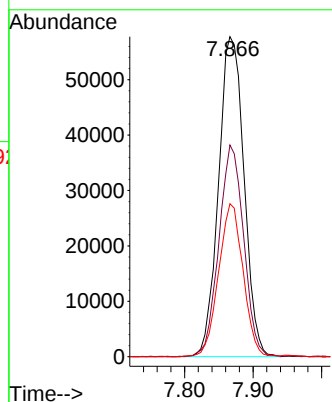
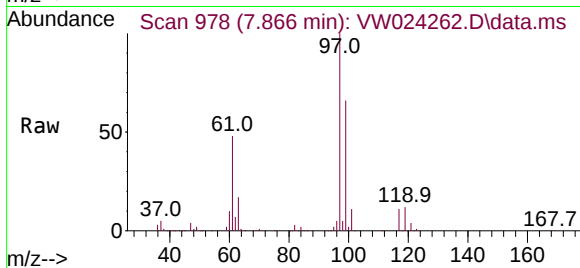
Tgt Ion: 97 Resp: 149005

Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 45.9 36.2 54.2



#31

Carbon tetrachloride

Concen: 25.099 ug/L

RT: 8.068 min Scan# 1011

Delta R.T. 0.007 min

Lab File: VW024262.D

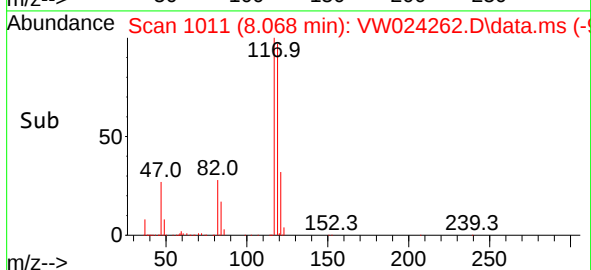
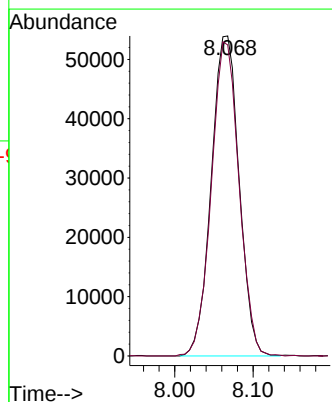
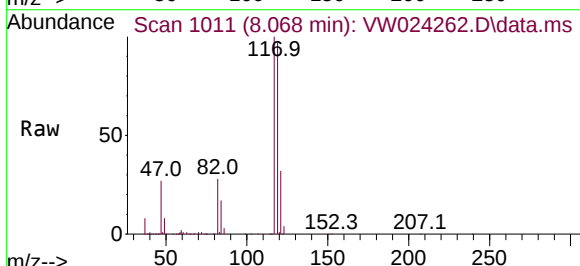
Acq: 16 Aug 2022 18:41

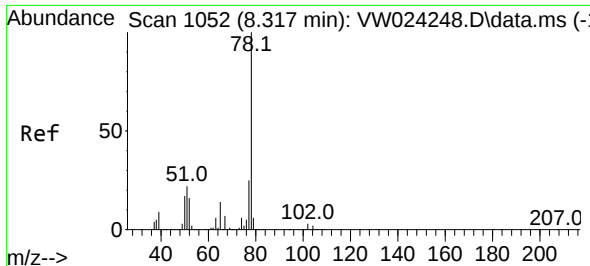
Tgt Ion: 117 Resp: 133106

Ion Ratio Lower Upper

117 100

119 97.4 77.8 116.8

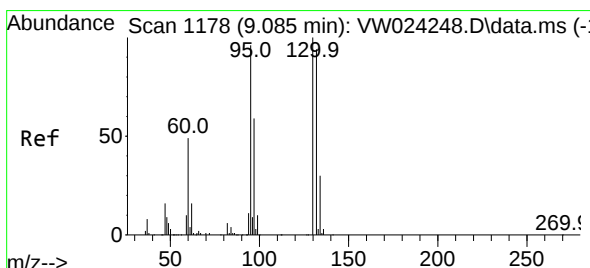
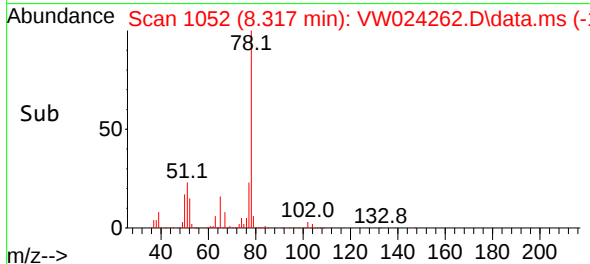
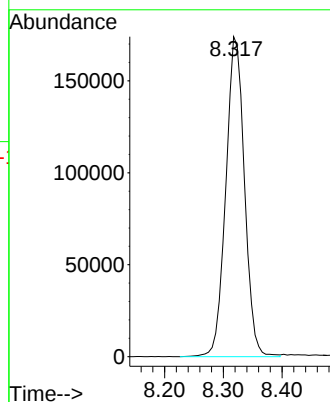
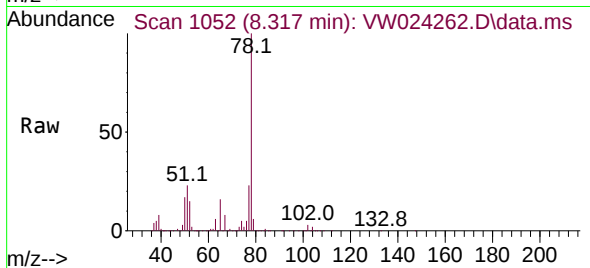




#33  
Benzene  
Concen: 26.107 ug/L  
RT: 8.317 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

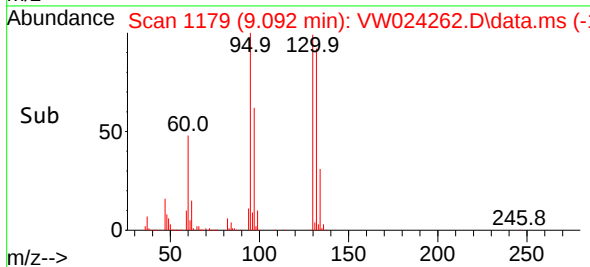
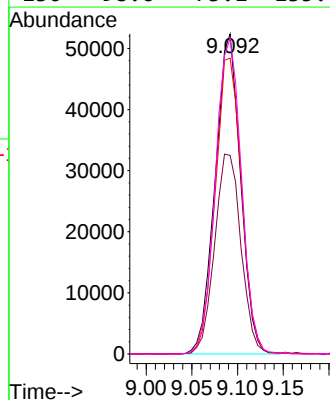
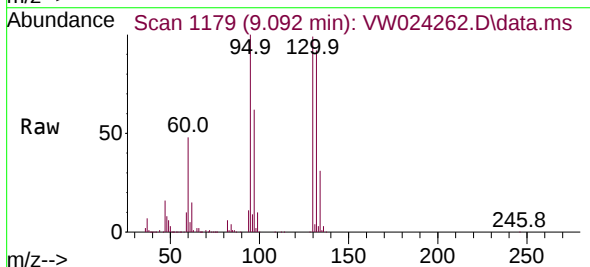
Tgt Ion: 78 Resp: 384345

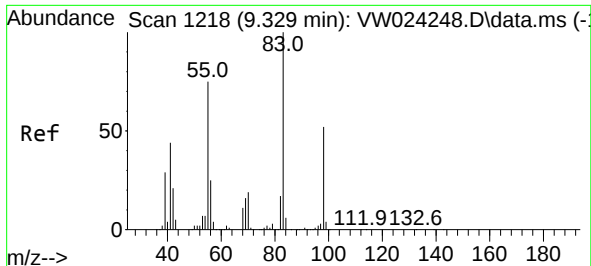


#34  
Trichloroethene  
Concen: 25.986 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 95 Resp: 101121

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.1  | 41.6  | 77.2  |
| 132 | 92.5  | 67.0  | 124.4 |
| 130 | 98.6  | 73.1  | 135.8 |

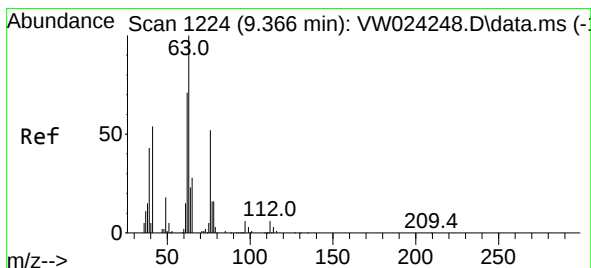
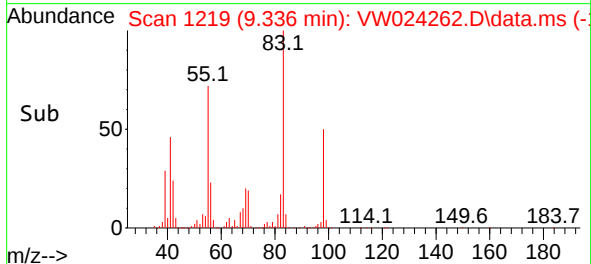
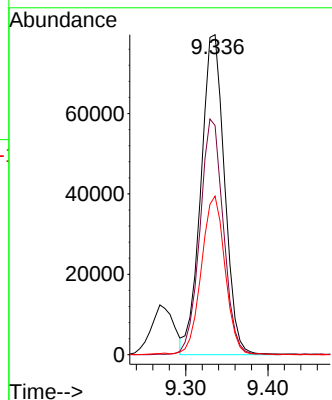
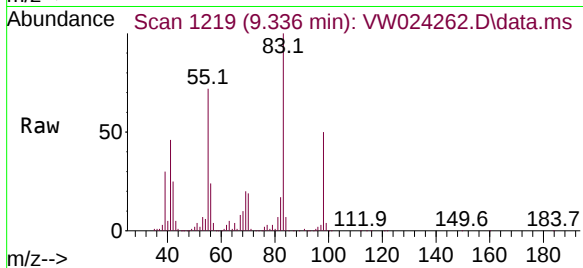




#35  
Methylcyclohexane  
Concen: 26.086 ug/L  
RT: 9.336 min Scan# 1219  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

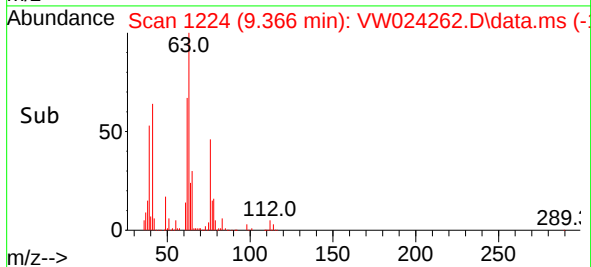
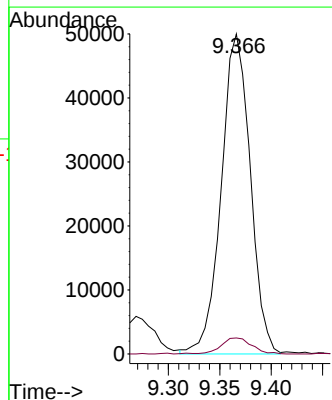
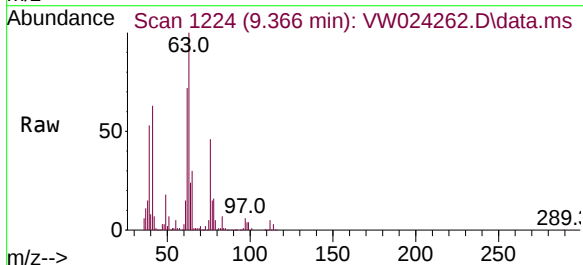
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

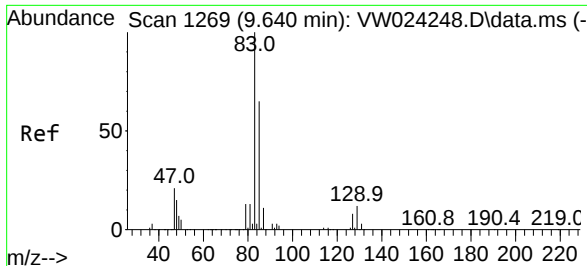
Tgt Ion: 83 Resp: 159182  
Ion Ratio Lower Upper  
83 100  
55 72.8 59.1 88.7  
98 49.1 40.8 61.2



#37  
1,2-Dichloropropane  
Concen: 26.951 ug/L  
RT: 9.366 min Scan# 1224  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 63 Resp: 98082  
Ion Ratio Lower Upper  
63 100  
112 5.2 3.8 5.6

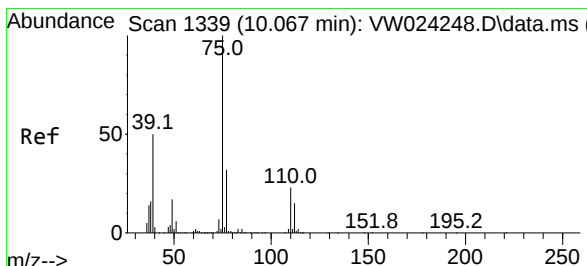
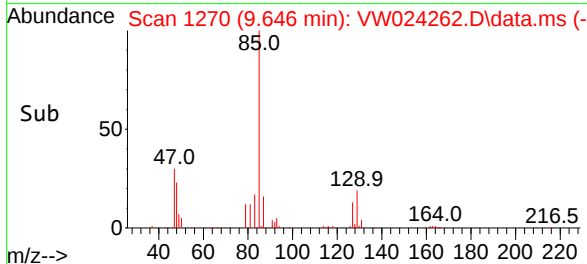
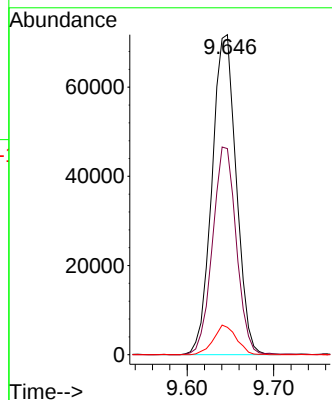
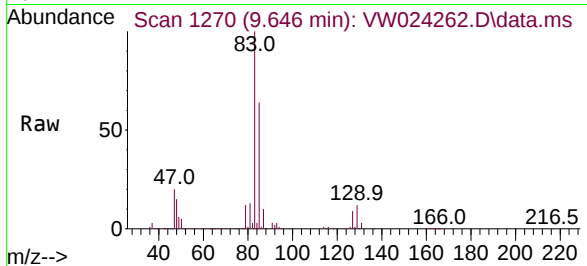




#38  
Bromodichloromethane  
Concen: 27.388 ug/L  
RT: 9.646 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

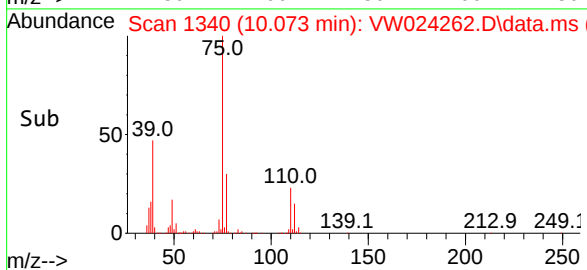
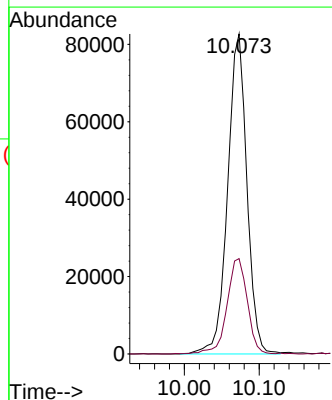
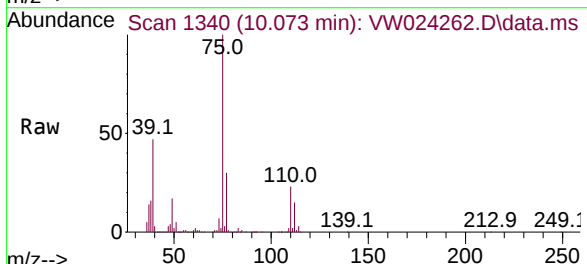
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

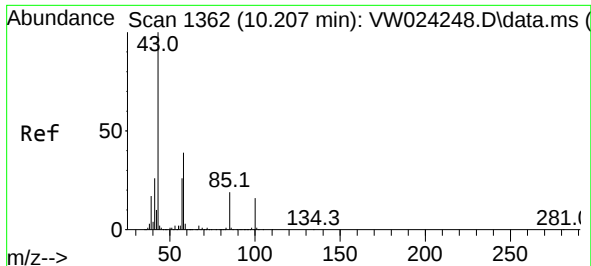
Tgt Ion: 83 Resp: 139798  
Ion Ratio Lower Upper  
83 100  
85 64.4 43.7 81.1  
127 8.5 6.9 10.3



#39  
cis-1,3-Dichloropropene  
Concen: 27.715 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 75 Resp: 148387  
Ion Ratio Lower Upper  
75 100  
77 29.8 23.4 43.6





#40

4-Methyl-2-pentanone

Concen: 58.985 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.001 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025537

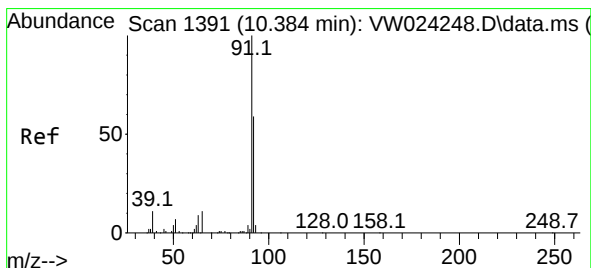
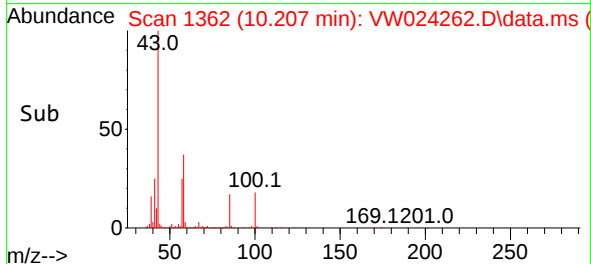
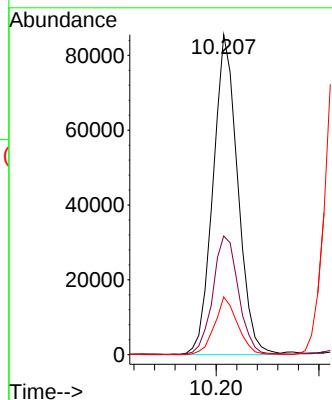
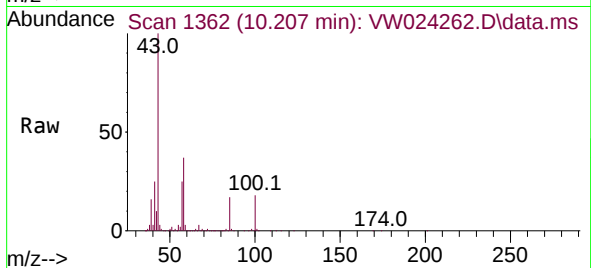
Tgt Ion: 43 Resp: 142466

Ion Ratio Lower Upper

43 100

58 38.8 30.5 45.7

100 17.0 13.8 20.6



#42

Toluene

Concen: 26.563 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.001 min

Lab File: VW024262.D

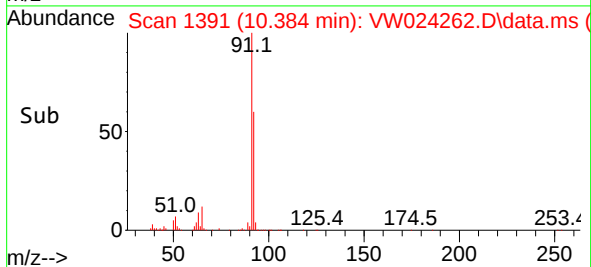
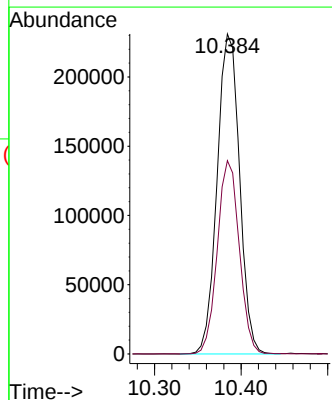
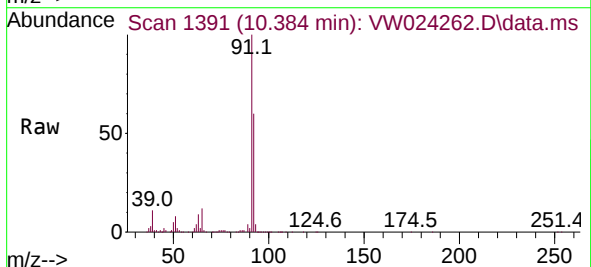
Acq: 16 Aug 2022 18:41

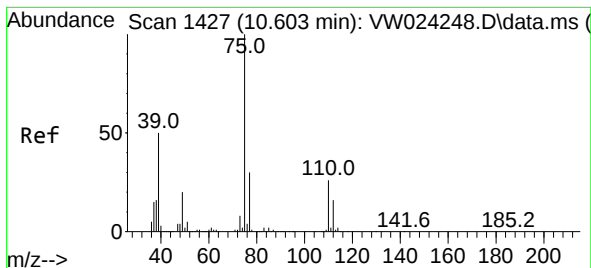
Tgt Ion: 91 Resp: 415561

Ion Ratio Lower Upper

91 100

92 60.4 41.4 77.0





#44

trans-1,3-Dichloropropene

Concen: 27.708 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Instrument :

MSVOA\_W

ClientSampleId :

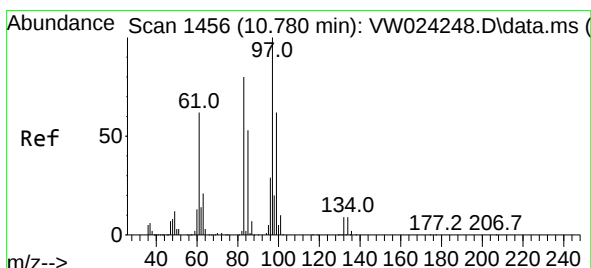
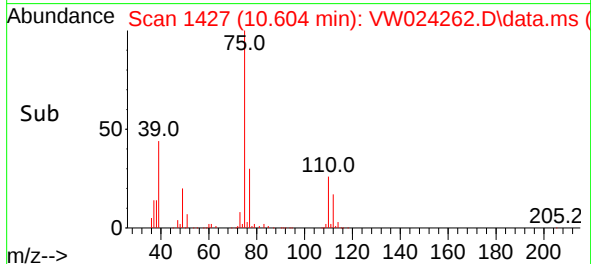
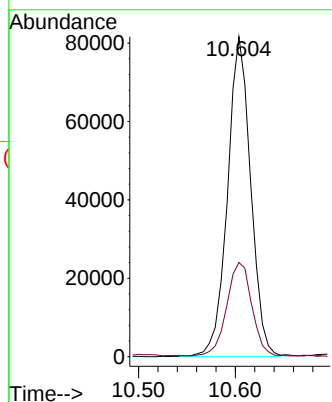
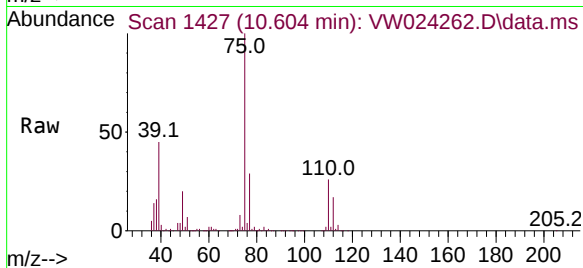
VSTD025537

Tgt Ion: 75 Resp: 135551

Ion Ratio Lower Upper

75 100

77 29.5 22.4 41.6



#45

1,1,2-Trichloroethane

Concen: 27.686 ug/L

RT: 10.787 min Scan# 1457

Delta R.T. 0.007 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Tgt Ion: 97 Resp: 84924

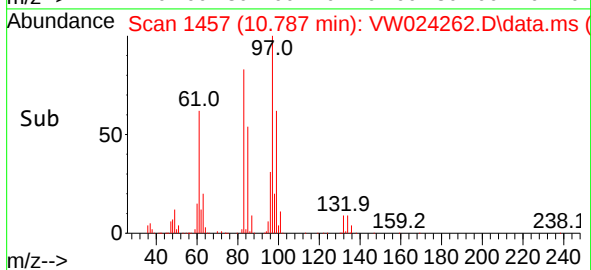
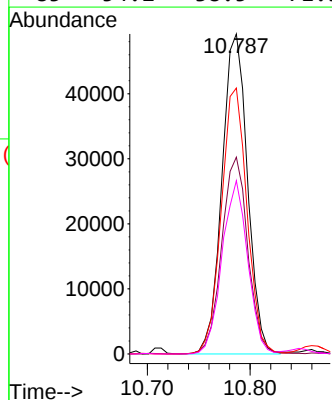
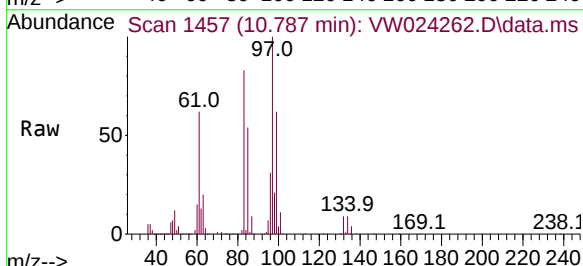
Ion Ratio Lower Upper

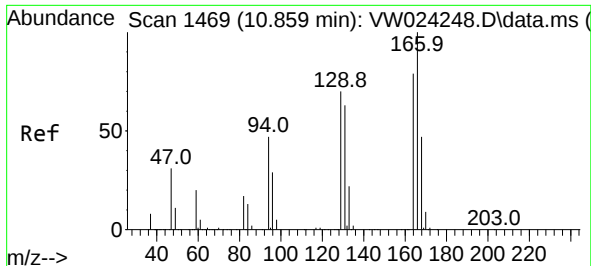
97 100

99 61.5 43.8 81.3

83 83.1 56.4 104.7

85 54.2 38.5 71.5

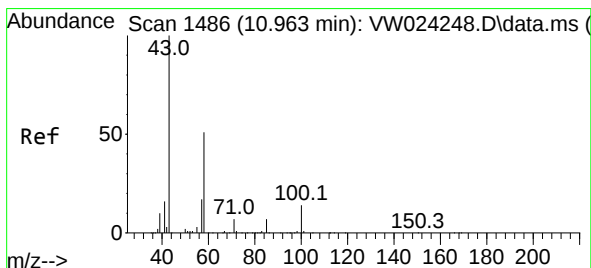
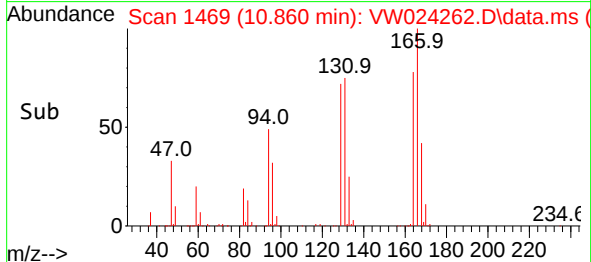
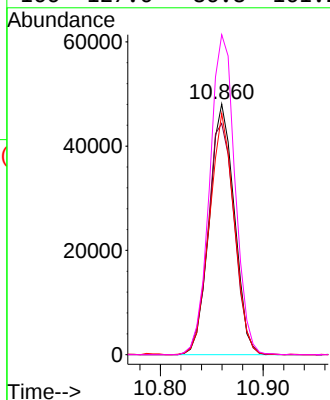
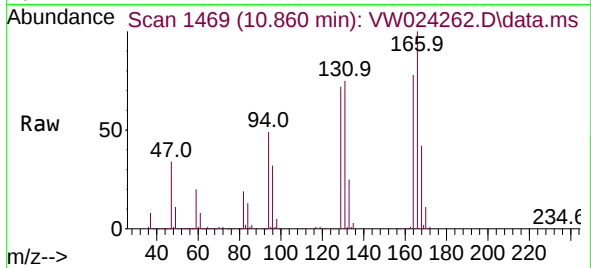




#46  
Tetrachloroethene  
Concen: 25.728 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

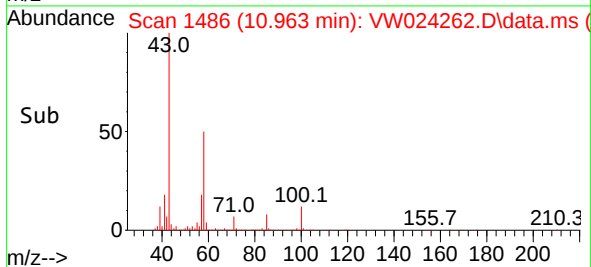
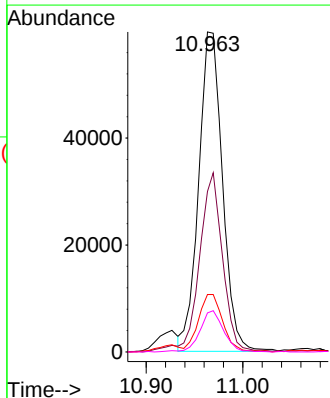
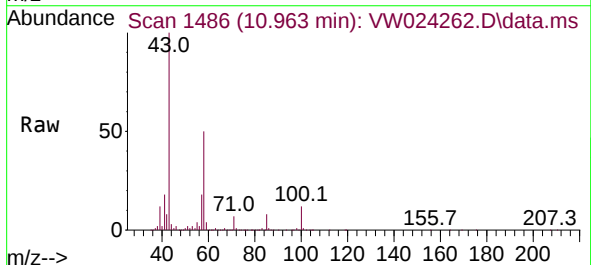
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

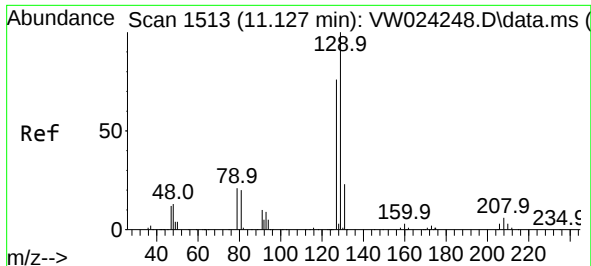
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 81052       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 92.2  | 63.1 117.3  |
| 131         | 96.2  | 63.9 118.7  |
| 166         | 127.6 | 86.8 161.2  |



#48  
2-Hexanone  
Concen: 62.629 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 102657      |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 53.1  | 43.4 65.0   |
| 57          | 18.0  | 15.0 22.4   |
| 100         | 12.6  | 10.8 16.2   |





#49

Dibromochloromethane

Concen: 27.695 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.001 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Instrument :

MSVOA\_W

ClientSampleId :

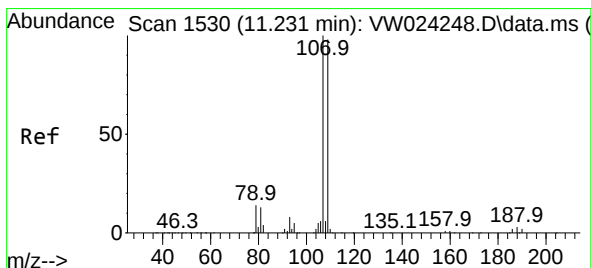
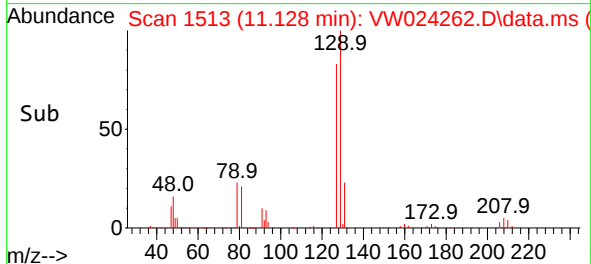
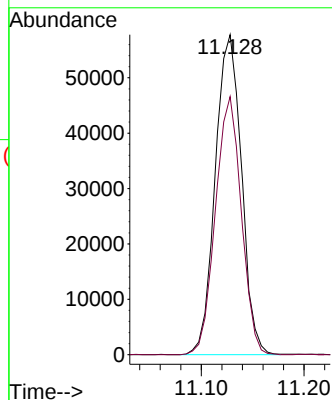
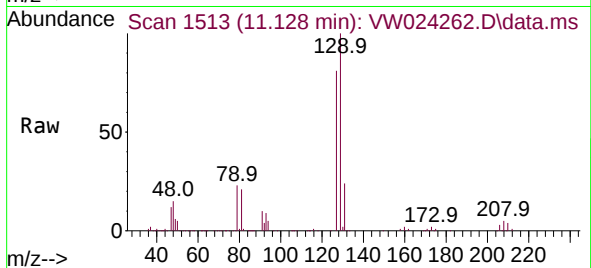
VSTD025537

Tgt Ion:129 Resp: 102269

Ion Ratio Lower Upper

129 100

127 80.6 52.3 97.1



#50

1,2-Dibromoethane

Concen: 27.197 ug/L

RT: 11.232 min Scan# 1530

Delta R.T. 0.000 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

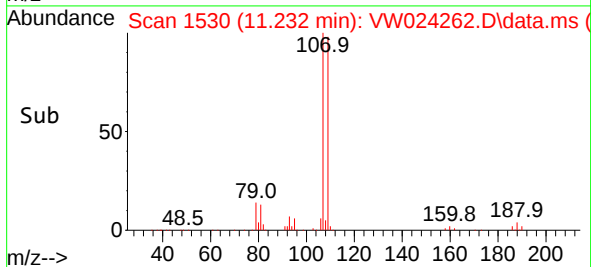
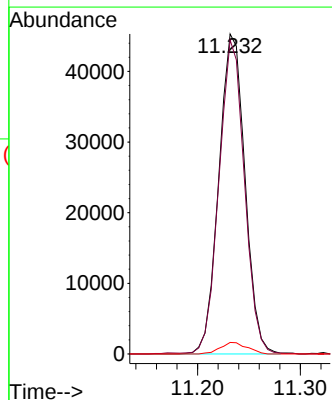
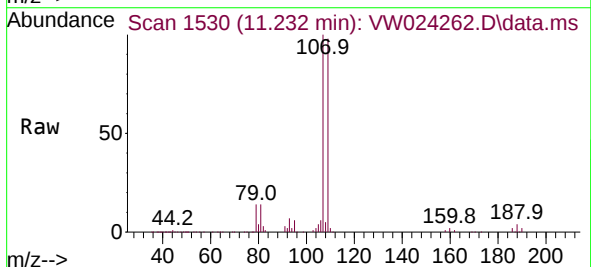
Tgt Ion:107 Resp: 79928

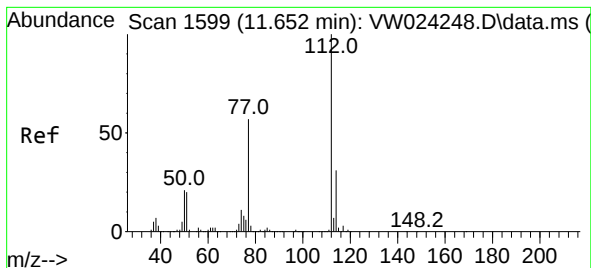
Ion Ratio Lower Upper

107 100

109 98.1 64.0 119.0

188 3.6 3.1 4.7





#51

Chlorobenzene

Concen: 26.338 ug/L

RT: 11.652 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025537

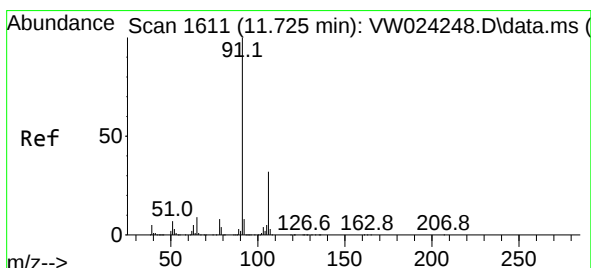
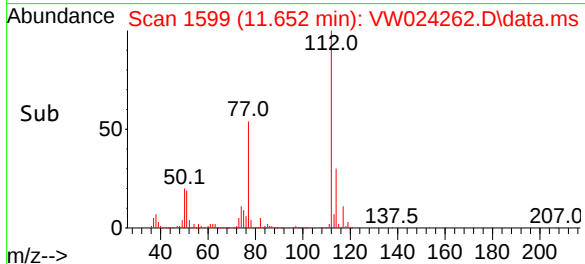
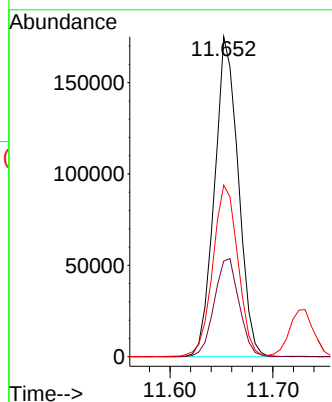
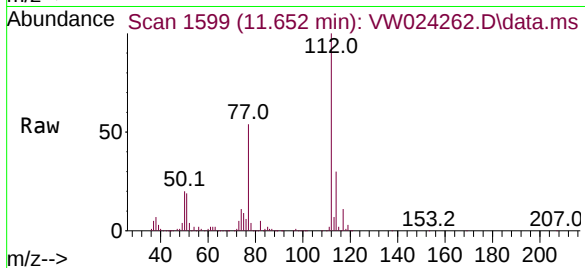
Tgt Ion:112 Resp: 281521

Ion Ratio Lower Upper

112 100

114 29.9 20.7 38.5

77 53.6 41.4 62.2



#52

Ethylbenzene

Concen: 27.602 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.007 min

Lab File: VW024262.D

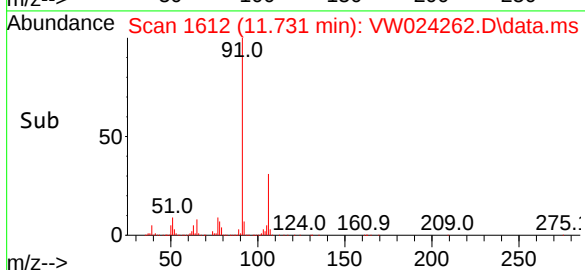
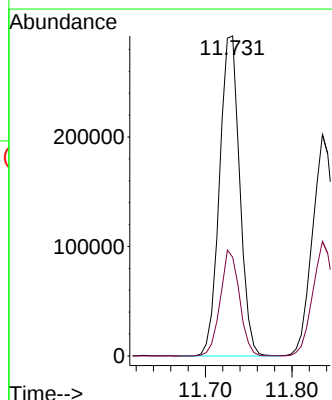
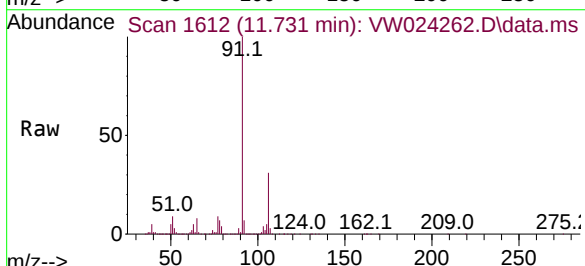
Acq: 16 Aug 2022 18:41

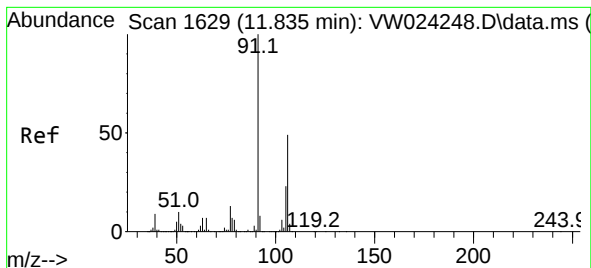
Tgt Ion: 91 Resp: 473116

Ion Ratio Lower Upper

91 100

106 30.9 21.9 40.7

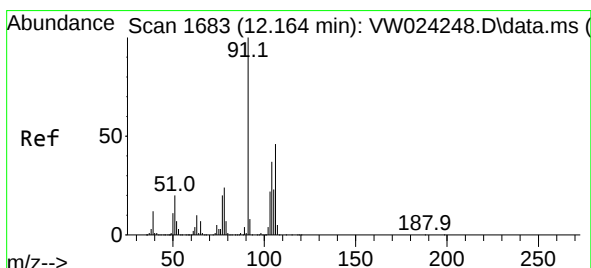
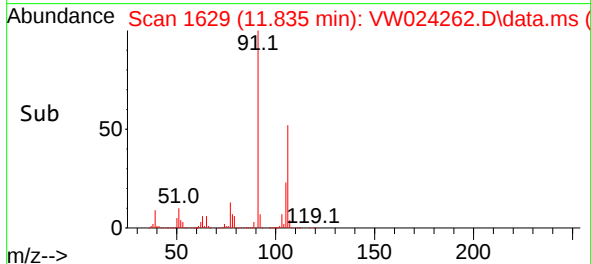
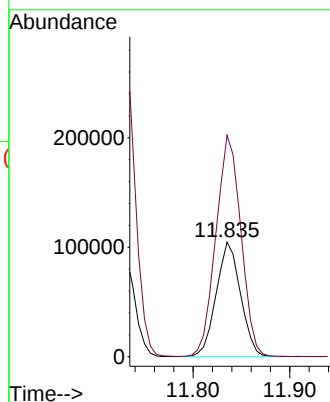
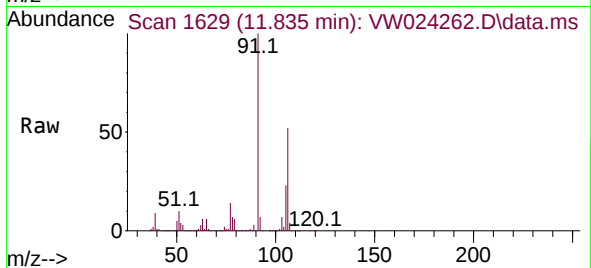




#53  
m,p-Xylene  
Concen: 27.386 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

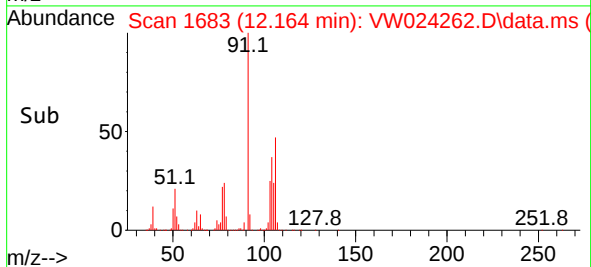
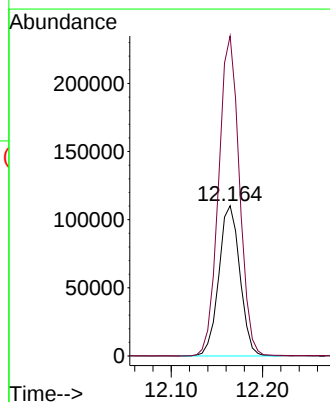
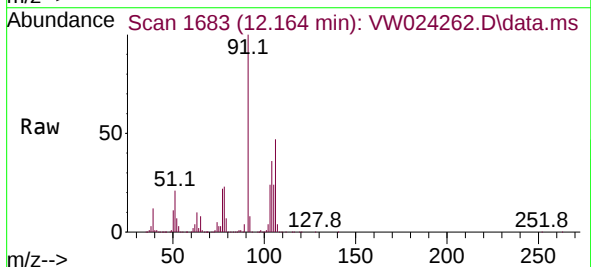
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

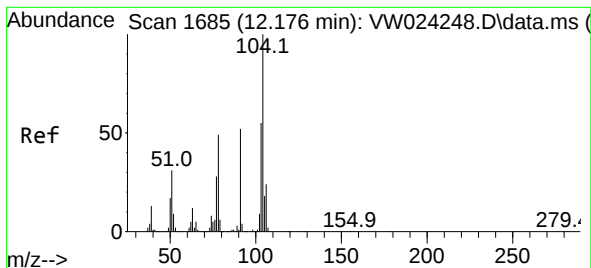
Tgt Ion:106 Resp: 182722  
Ion Ratio Lower Upper  
106 100  
91 193.4 144.1 267.7



#54  
o-Xylene  
Concen: 28.026 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion:106 Resp: 176653  
Ion Ratio Lower Upper  
106 100  
91 213.1 150.9 280.3





#55

Styrene

Concen: 29.220 ug/L

RT: 12.177 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Instrument :

MSVOA\_W

ClientSampleId :

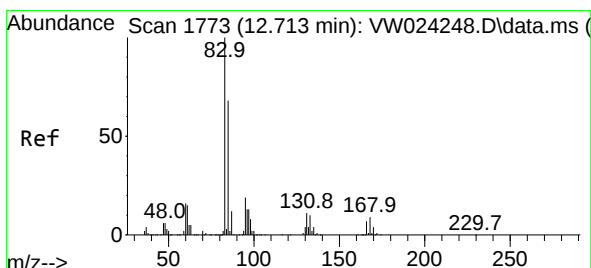
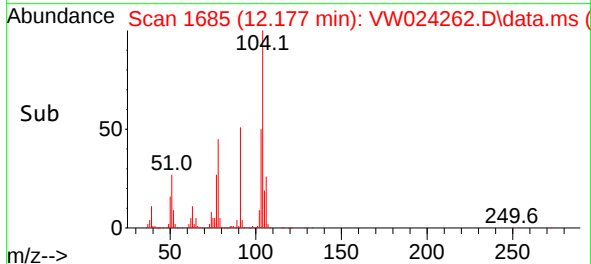
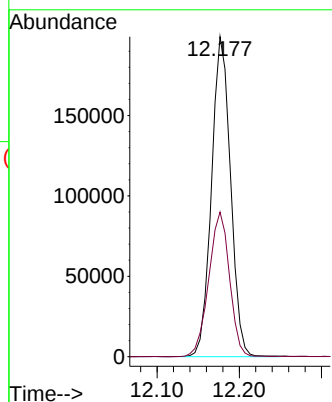
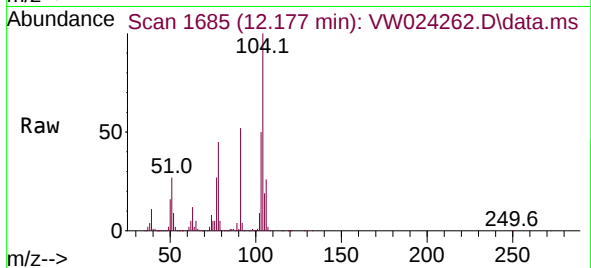
VSTD025537

Tgt Ion:104 Resp: 320329

Ion Ratio Lower Upper

104 100

78 45.2 31.1 57.7



#57

1,1,2,2-Tetrachloroethane

Concen: 28.321 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.001 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

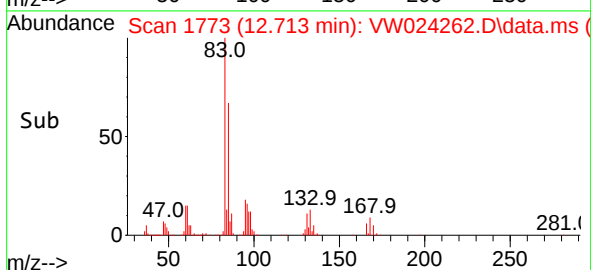
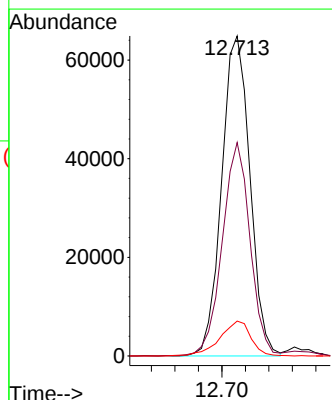
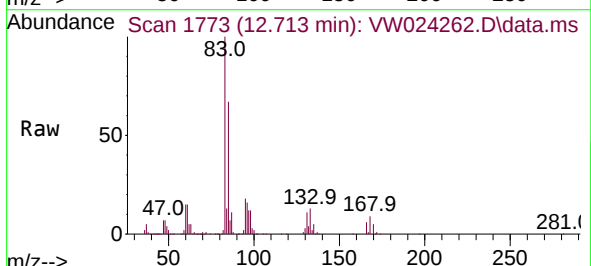
Tgt Ion: 83 Resp: 108567

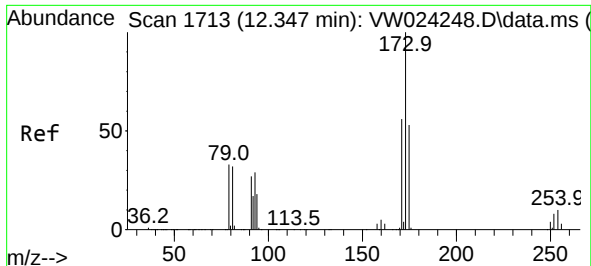
Ion Ratio Lower Upper

83 100

85 66.7 44.1 81.9

131 10.9 8.3 12.5

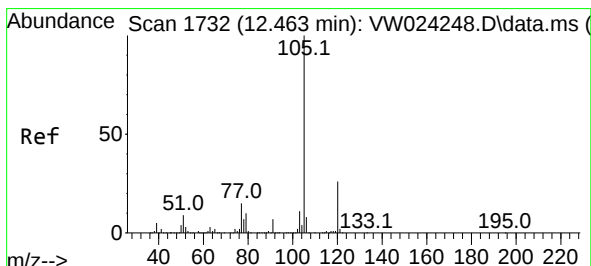
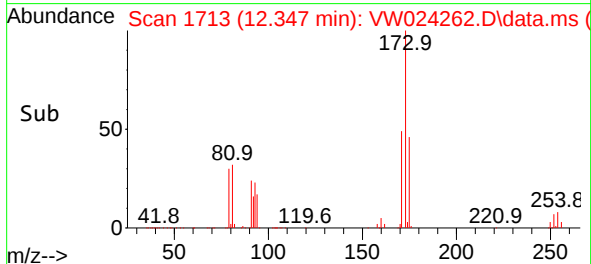
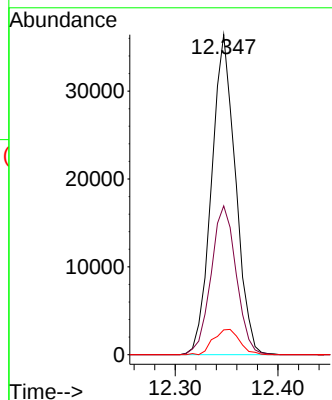
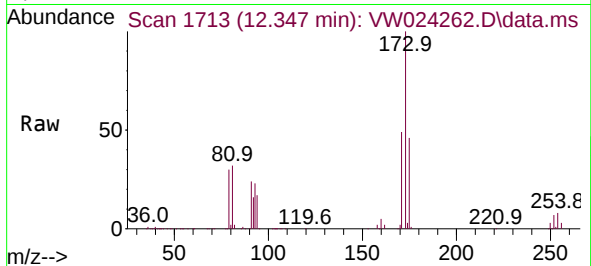




#59  
Bromoform  
Concen: 26.323 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

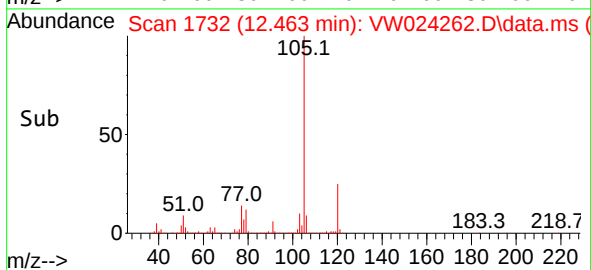
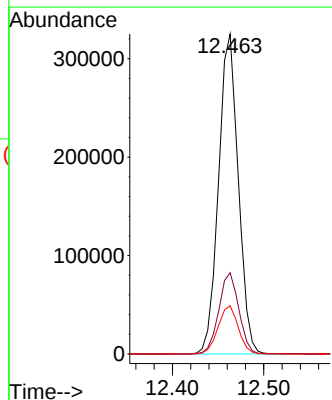
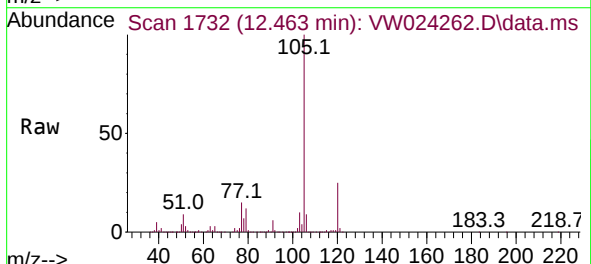
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

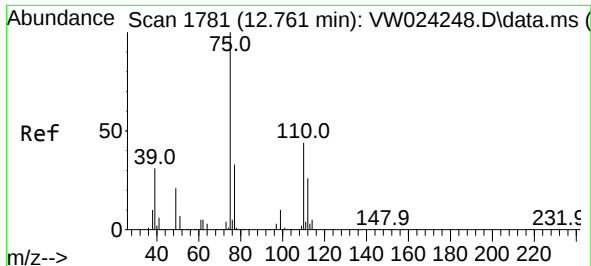
Tgt Ion:173 Resp: 59018  
Ion Ratio Lower Upper  
173 100  
175 48.8 39.0 58.6  
254 8.6 6.8 10.2



#60  
Isopropylbenzene  
Concen: 27.393 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion:105 Resp: 487431  
Ion Ratio Lower Upper  
105 100  
120 25.8 21.4 32.2  
77 15.5 12.4 18.6

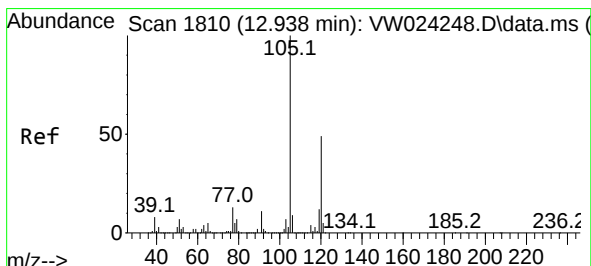
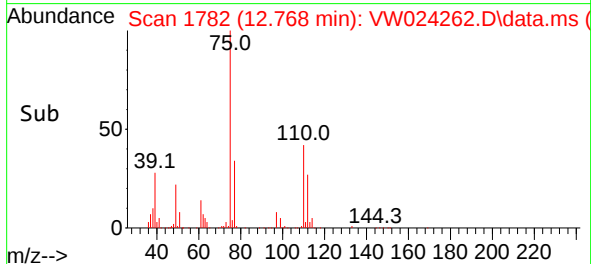
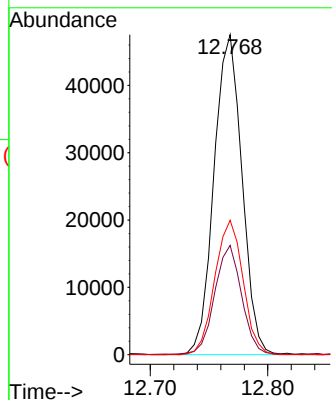
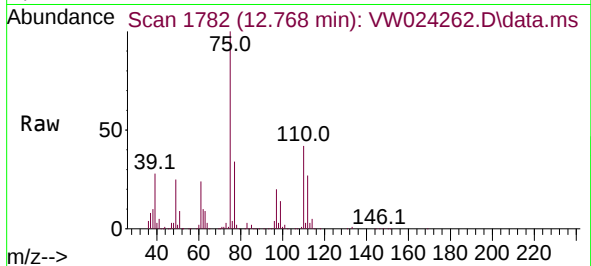




#61  
1,2,3-Trichloropropane  
Concen: 26.869 ug/L  
RT: 12.768 min Scan# 1781  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

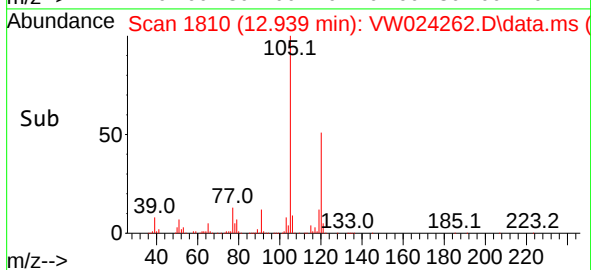
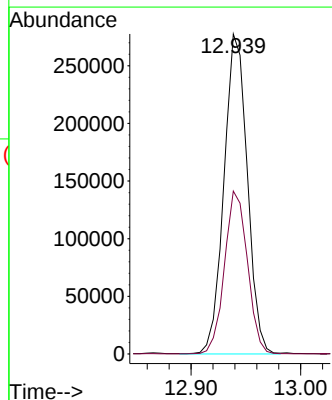
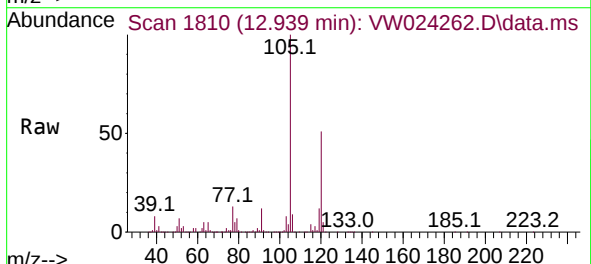
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

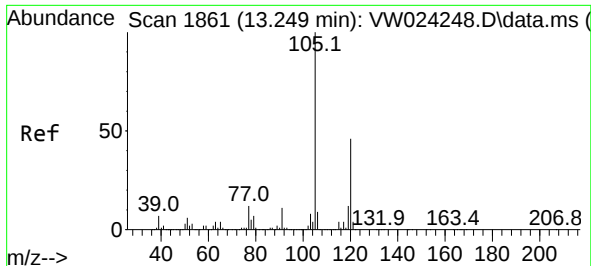
Tgt Ion: 75 Resp: 78600  
Ion Ratio Lower Upper  
75 100  
77 33.1 26.2 39.4  
110 42.4 33.6 50.4



#62  
1,3,5-Trimethylbenzene  
Concen: 27.921 ug/L  
RT: 12.939 min Scan# 1810  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion: 105 Resp: 410578  
Ion Ratio Lower Upper  
105 100  
120 50.1 39.7 59.5

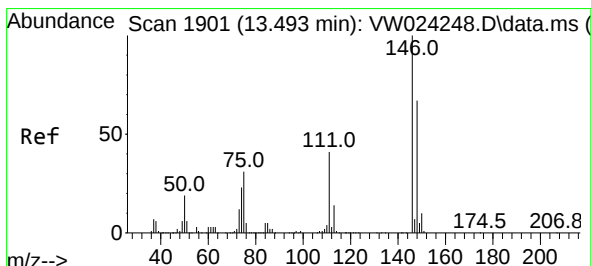
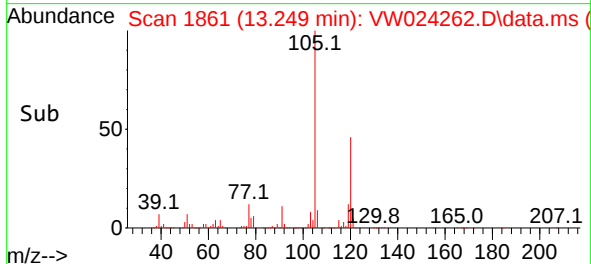
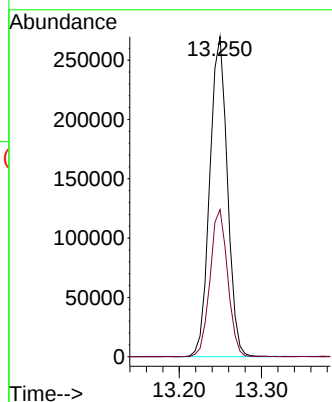
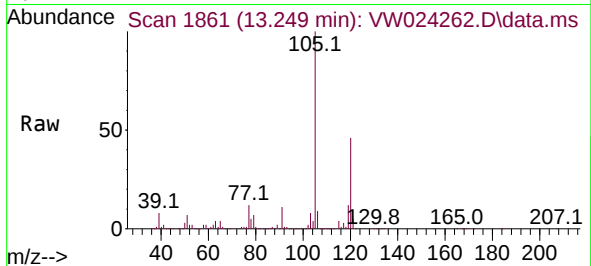




#63  
1,2,4-Trimethylbenzene  
Concen: 27.782 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

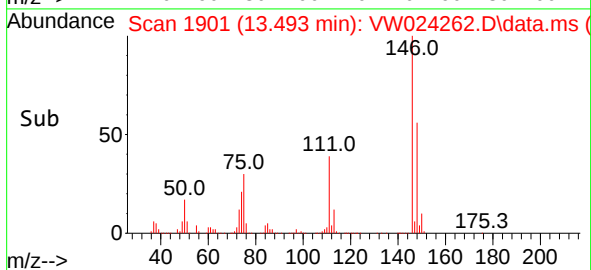
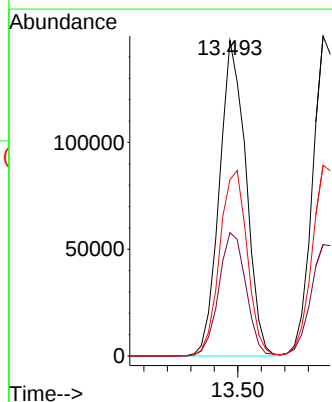
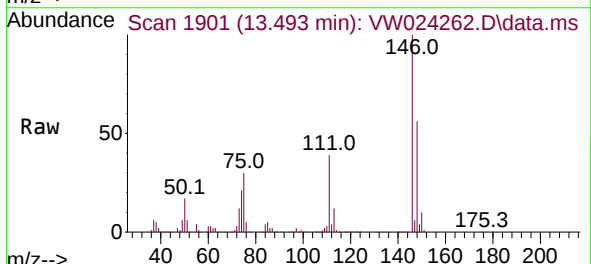
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

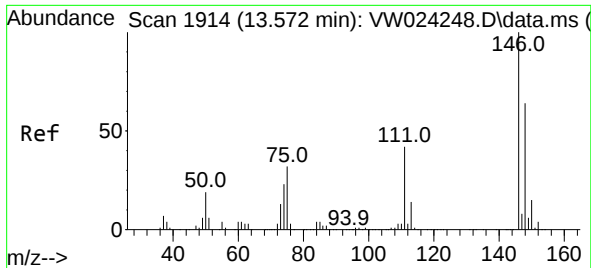
Tgt Ion:105 Resp: 402336  
Ion Ratio Lower Upper  
105 100  
120 45.7 36.4 54.6



#64  
1,3-Dichlorobenzene  
Concen: 26.569 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. 0.000 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion:146 Resp: 231511  
Ion Ratio Lower Upper  
146 100  
111 39.1 28.0 52.0  
148 55.9 46.5 86.3

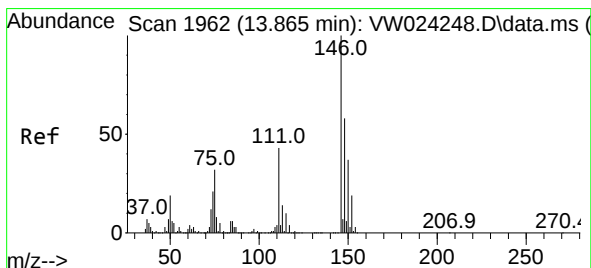
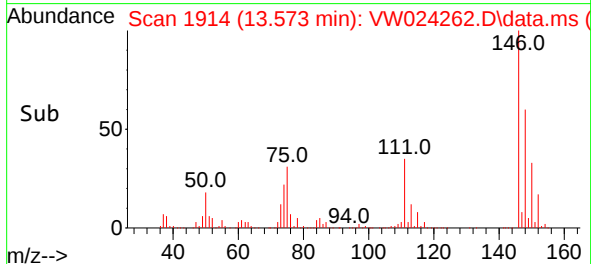
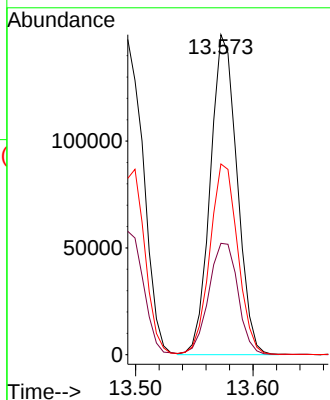
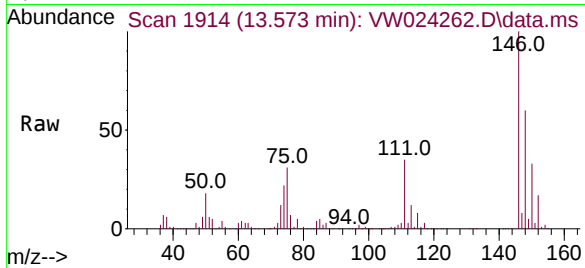




#65  
1,4-Dichlorobenzene  
Concen: 25.754 ug/L  
RT: 13.573 min Scan# 1914  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

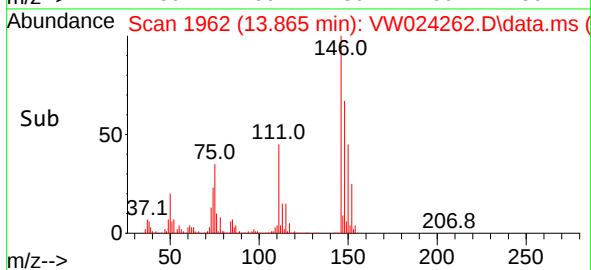
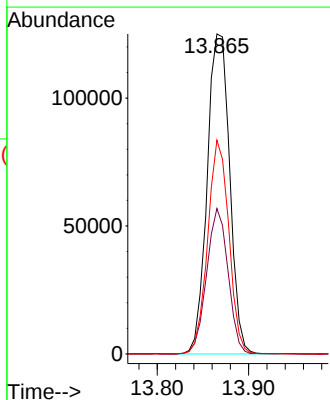
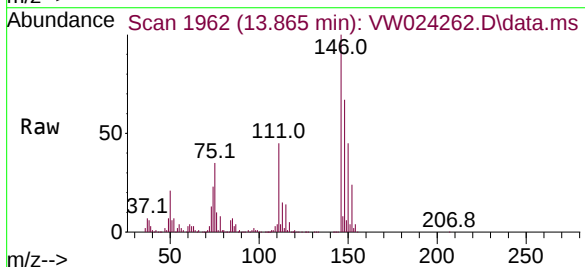
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025537

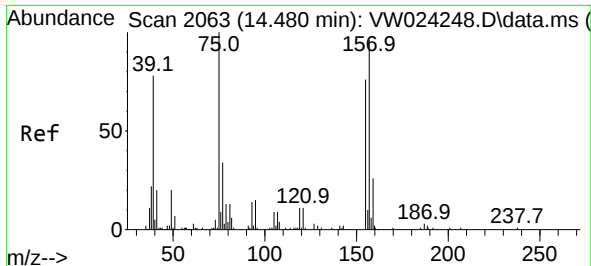
Tgt Ion:146 Resp: 237624  
Ion Ratio Lower Upper  
146 100  
111 34.8 27.6 51.4  
148 59.6 40.5 75.3



#67  
1,2-Dichlorobenzene  
Concen: 25.872 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion:146 Resp: 214079  
Ion Ratio Lower Upper  
146 100  
111 45.4 29.0 43.6#  
148 66.8 47.8 71.8





#68

1,2-Dibromo-3-chloropropane

Concen: 25.290 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025537

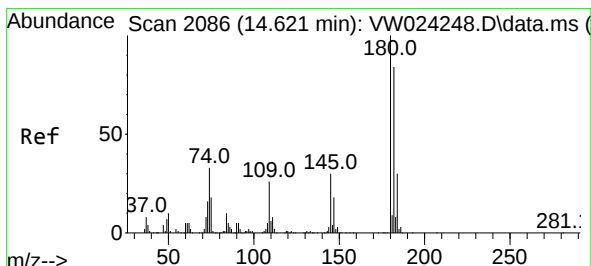
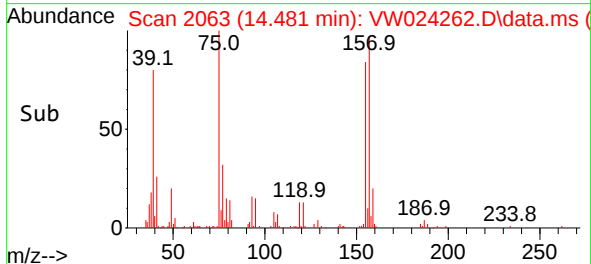
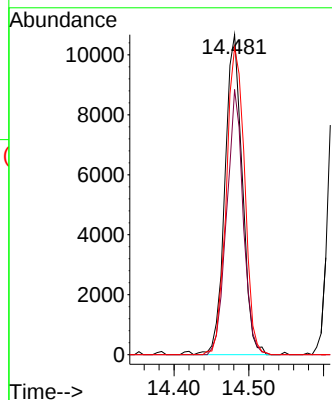
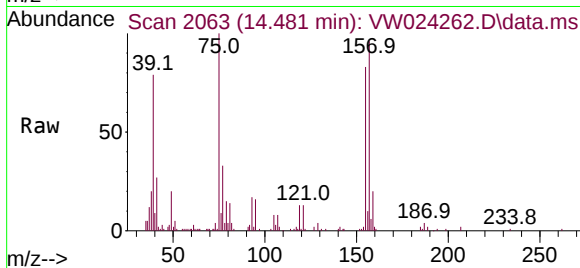
Tgt Ion: 75 Resp: 17285

Ion Ratio Lower Upper

75 100

155 82.9 68.8 103.2

157 96.0 91.5 137.3



#69

1,3,5-Trichlorobenzene

Concen: 27.287 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.007 min

Lab File: VW024262.D

Acq: 16 Aug 2022 18:41

Tgt Ion:180 Resp: 155908

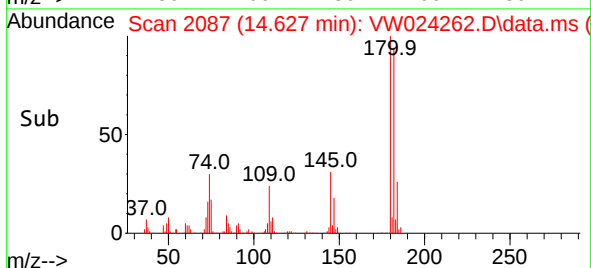
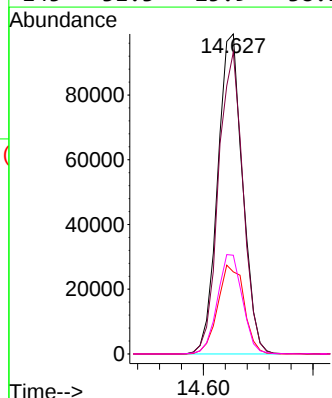
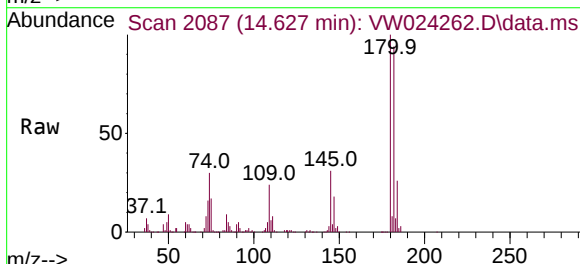
Ion Ratio Lower Upper

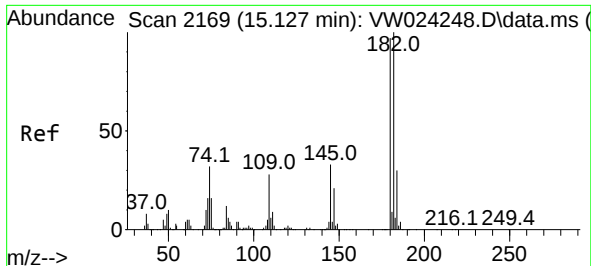
180 100

182 92.9 78.4 117.6

184 29.3 24.7 37.1

145 31.3 25.9 38.9

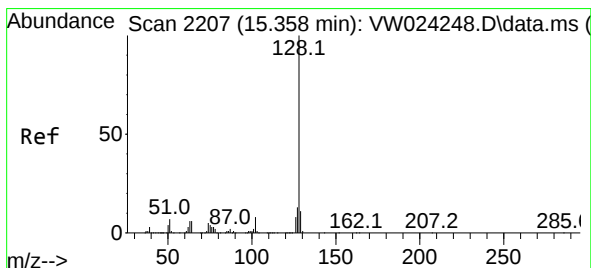
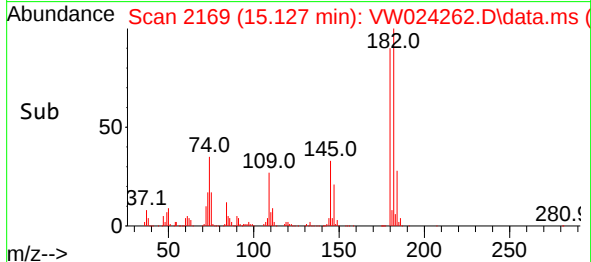
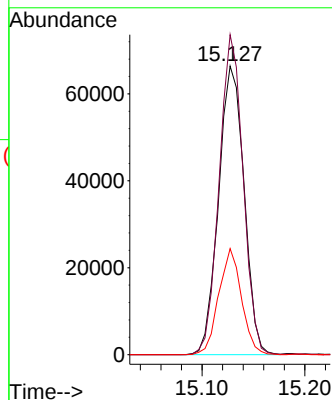
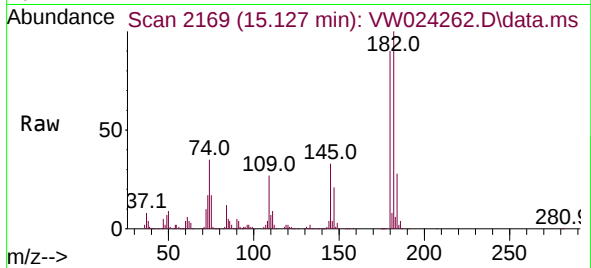




#70  
1,2,4-trichlorobenzene  
Concen: 25.014 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. 0.001 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

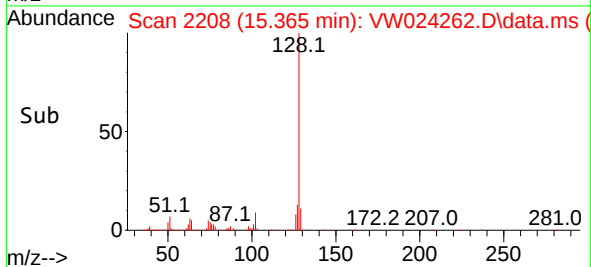
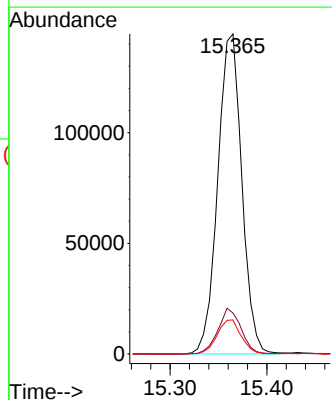
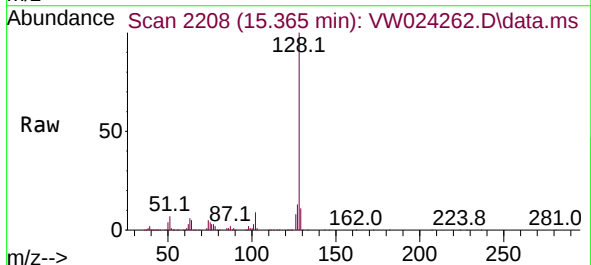
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MSVOA\_W  
ClientSampleId :  
VSTD025537

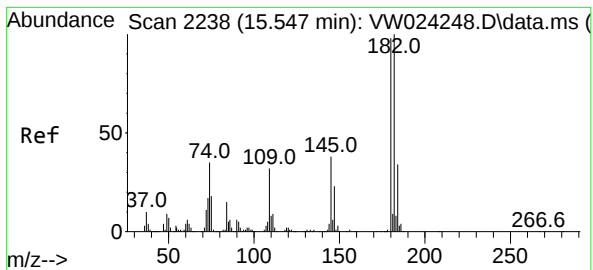
Tgt Ion:180 Resp: 114457  
Ion Ratio Lower Upper  
180 100  
182 103.7 75.0 112.4  
145 32.8 25.1 37.7



#71  
Naphthalene  
Concen: 28.030 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.007 min  
Lab File: VW024262.D  
Acq: 16 Aug 2022 18:41

Tgt Ion:128 Resp: 249818  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.7 16.1  
129 10.7 8.8 13.2





#72  
 1,2,3-Trichlorobenzene  
 Concen: 26.205 ug/L  
 RT: 15.548 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW024262.D  
 Acq: 16 Aug 2022 18:41

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025537

Tgt Ion:180 Resp: 109166  
 Ion Ratio Lower Upper  
 180 100  
 182 98.1 75.4 113.2  
 145 33.5 26.9 40.3

