

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW091421\  
 Data File : VW020013.D  
 Acq On : 14 Sep 2021 15:09  
 Operator : SY/VA  
 Sample : VSTD02546  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025446

Quant Time: Sep 14 15:50:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091421SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Sep 14 15:49:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114  | 288265   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117  | 273031   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 140627   | 25.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65   | 132769   | 29.097 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.897  | 69   | 108435   | 27.167 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.031  | 63   | 198664   | 25.539 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 7.080  | 46   | 61850    | 63.000 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.653  | 84   | 190975   | 24.204 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65   | 111806   | 25.776 | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.281  | 84   | 384623   | 24.941 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67   | 105896   | 22.889 | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.329 | 98   | 360473   | 25.429 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 50615    | 25.973 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.927 | 63   | 45594    | 63.798 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84   | 105354   | 26.696 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 115794   | 23.903 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.013  | 85   | 78526    | 27.040 | ug/L  | 99       |
| 3) Chloromethane              | 2.221  | 50   | 95198    | 26.387 | ug/L  | 99       |
| 5) Vinyl chloride             | 2.373  | 62   | 164729   | 29.867 | ug/L  | 97       |
| 6) Bromomethane               | 2.788  | 94   | 110200   | 27.226 | ug/L  | 94       |
| 8) Chloroethane               | 2.934  | 64   | 100045   | 28.026 | ug/L  | 94       |
| 9) Trichlorofluoromethane     | 3.269  | 101  | 99884    | 28.574 | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101  | 106105   | 26.102 | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 4.050  | 96   | 100420   | 25.394 | ug/L  | 94       |
| 13) Acetone                   | 4.135  | 43   | 54740    | 63.773 | ug/L  | 91       |
| 14) Carbon disulfide          | 4.391  | 76   | 330529   | 26.062 | ug/L  | 99       |
| 15) Methyl Acetate            | 4.678  | 43   | 54955    | 31.248 | ug/L  | 100      |
| 16) Methylene chloride        | 4.922  | 84   | 106149   | 21.263 | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96   | 106163   | 25.636 | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73   | 127702   | 26.404 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 6.220  | 63   | 183385   | 25.000 | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.177  | 96   | 106990   | 25.626 | ug/L  | 98       |
| 22) 2-Butanone                | 7.177  | 43   | 75906    | 68.136 | ug/L  | 97       |
| 23) Bromochloromethane        | 7.519  | 128  | 48466    | 25.616 | ug/L  | 95       |
| 25) Chloroform                | 7.683  | 83   | 190688   | 25.036 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 133986   | 26.595 | ug/L  | 99       |
| 29) Cyclohexane               | 7.964  | 56   | 166978   | 26.023 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 162380   | 26.302 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.073  | 117  | 154639   | 26.664 | ug/L  | 100      |
| 33) Benzene                   | 8.329  | 78   | 422267   | 25.146 | ug/L  | 100      |
| 34) Trichloroethene           | 9.098  | 95   | 109945   | 25.118 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.341  | 83   | 197509   | 26.331 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 101634   | 24.533 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 133584   | 24.733 | ug/L  | 94       |
| 39) cis-1,3-Dichloropropene   | 10.079 | 75   | 154439   | 25.274 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 147024   | 62.149 | ug/L  | 99       |
| 42) Toluene                   | 10.390 | 91   | 463830   | 25.969 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 147222   | 26.868 | ug/L  | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW091421\  
 Data File : VW020013.D  
 Acq On : 14 Sep 2021 15:09  
 Operator : SY/VA  
 Sample : VSTD02546  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025446

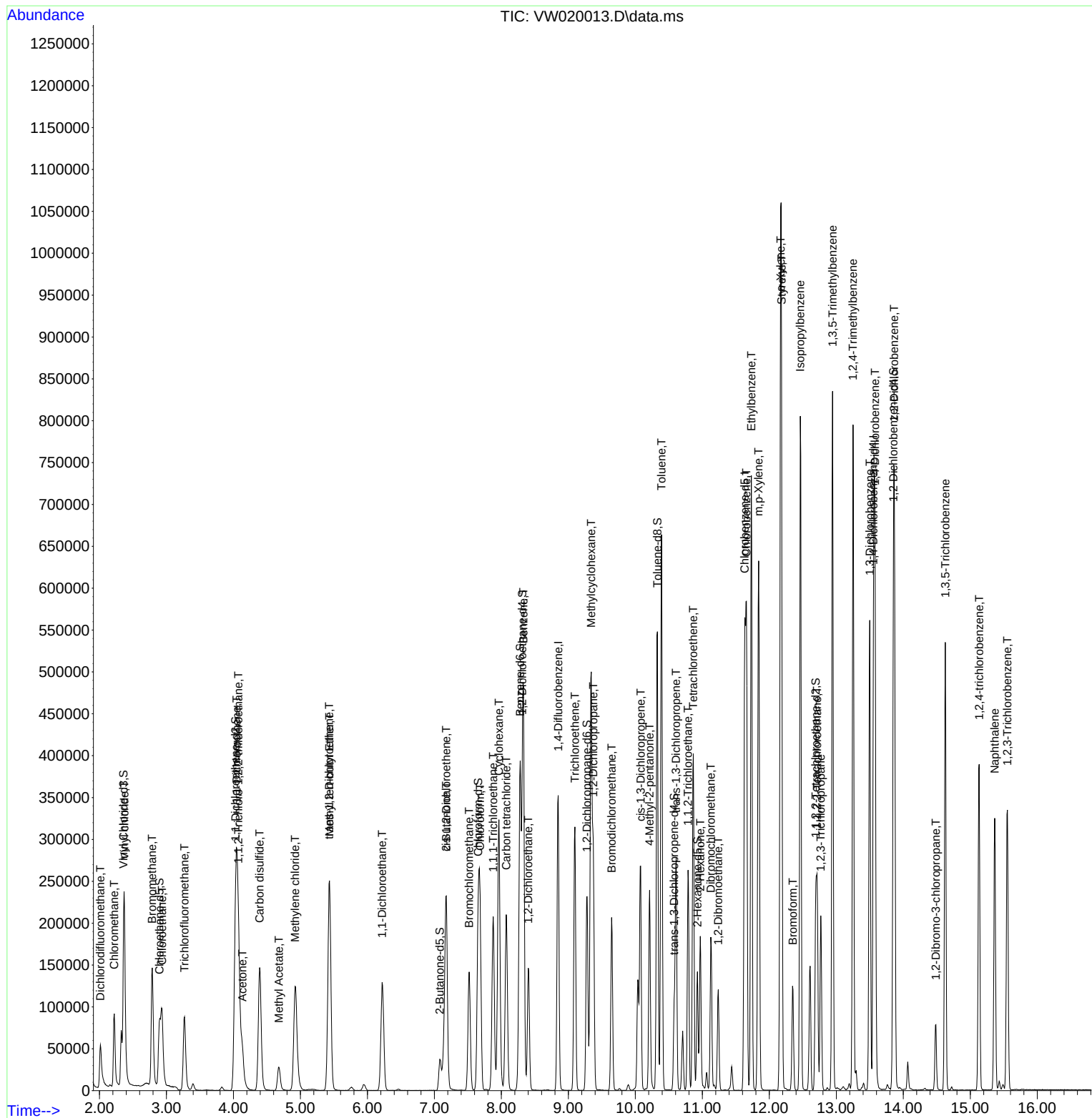
Quant Time: Sep 14 15:50:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091421SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Sep 14 15:49:13 2021  
 Response via : Initial Calibration

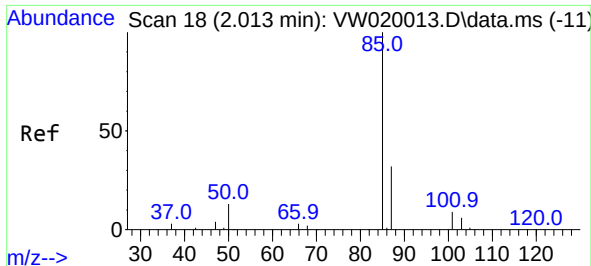
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 79089    | 25.875 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.866 | 164  | 85219    | 25.588 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.969 | 43   | 111145   | 66.425 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 92038    | 26.292 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 78714    | 27.127 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 283743   | 24.974 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 495717   | 25.730 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.841 | 106  | 193934   | 26.183 | ug/L   | 98       |
| 54) o-Xylene                  | 12.170 | 106  | 181508   | 25.992 | ug/L   | 98       |
| 55) Styrene                   | 12.182 | 104  | 314350   | 26.257 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 104032   | 27.170 | ug/L   | 98       |
| 59) Bromoform                 | 12.353 | 173  | 53354    | 27.326 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 494685   | 25.821 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 81774    | 28.187 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 411708   | 26.859 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 399201   | 25.910 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 221427   | 25.622 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 214474   | 24.435 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 196362   | 25.185 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.487 | 75   | 20180    | 30.924 | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 150312   | 25.451 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 117243   | 25.604 | ug/L   | 95       |
| 71) Naphthalene               | 15.365 | 128  | 265534   | 28.538 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 113422   | 26.719 | ug/L   | 94       |
| -----                         |        |      |          |        |        |          |

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

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
VSTD025446

Quant Time: Sep 14 15:50:53 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091421SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Sep 14 15:49:13 2021  
Response via : Initial Calibration

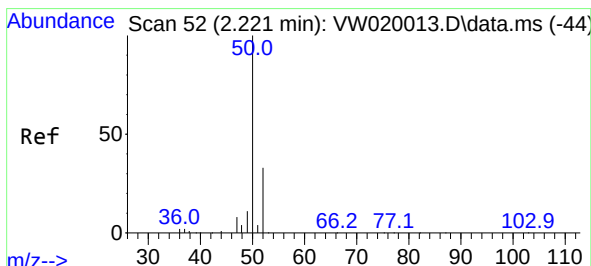
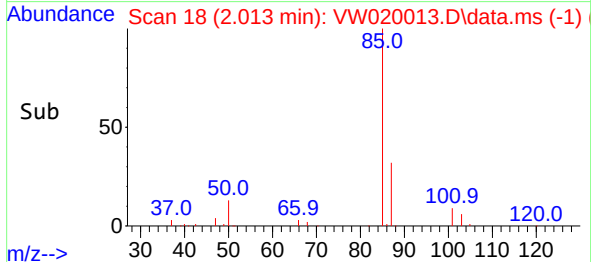
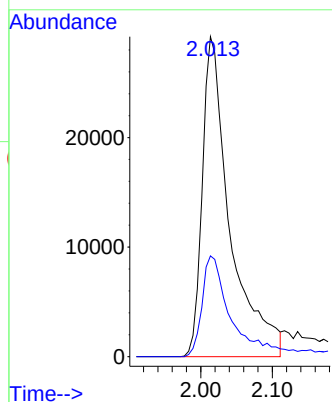
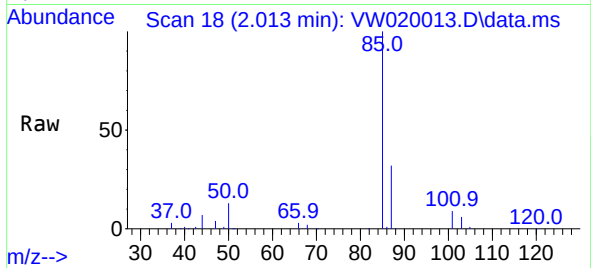




#2  
Dichlorodifluoromethane  
Concen: 27.040 ug/L  
RT: 2.013 min Scan# 18  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

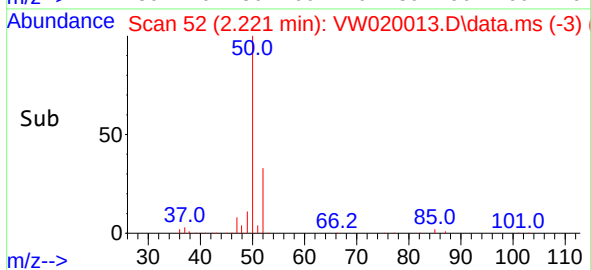
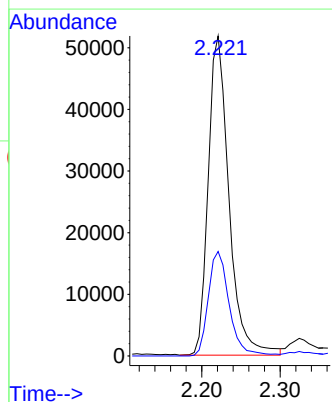
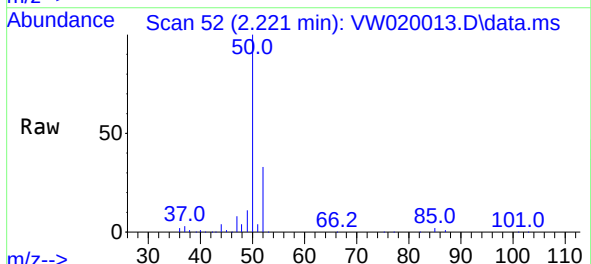
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

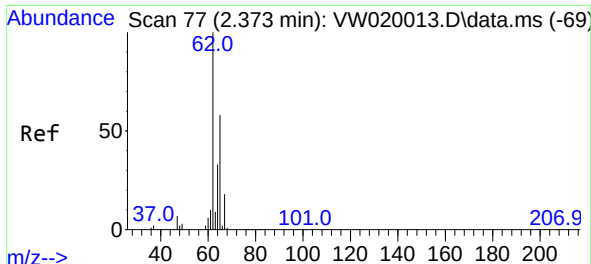
Tgt Ion: 85 Resp: 78526  
Ion Ratio Lower Upper  
85 100  
87 29.4 23.3 34.9



#3  
Chloromethane  
Concen: 26.387 ug/L  
RT: 2.221 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 50 Resp: 95198  
Ion Ratio Lower Upper  
50 100  
52 32.7 22.5 41.9

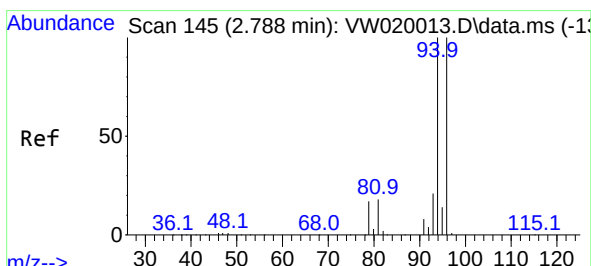
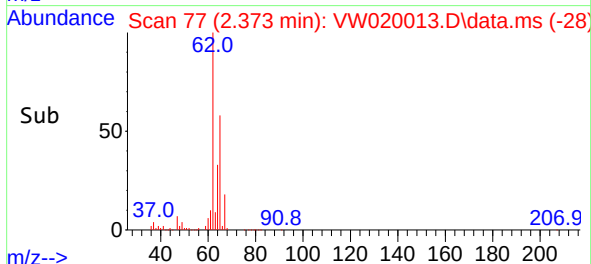
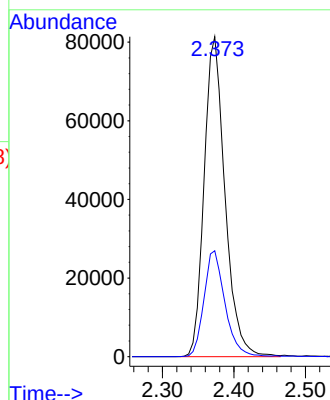
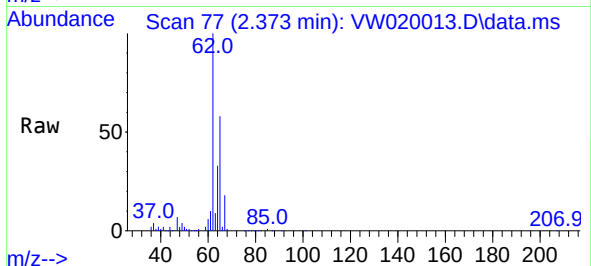




#5  
 Vinyl chloride  
 Concen: 29.867 ug/L  
 RT: 2.373 min Scan# 77  
 Delta R.T. 0.000 min  
 Lab File: VW020013.D  
 Acq: 14 Sep 2021 15:09

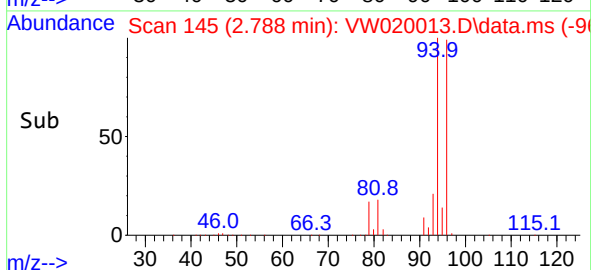
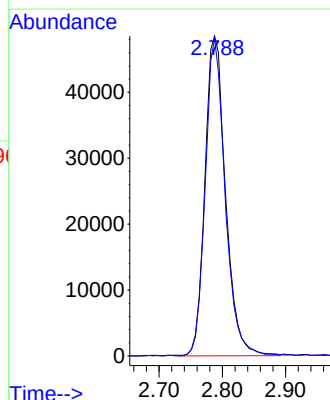
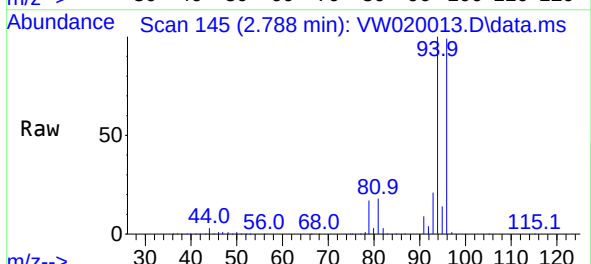
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025446

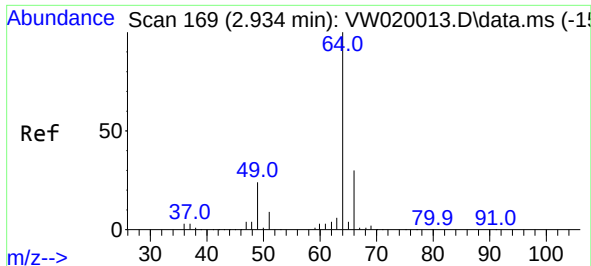
Tgt Ion: 62 Resp: 164729  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 24.2 45.0



#6  
 Bromomethane  
 Concen: 27.226 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. 0.000 min  
 Lab File: VW020013.D  
 Acq: 14 Sep 2021 15:09

Tgt Ion: 94 Resp: 110200  
 Ion Ratio Lower Upper  
 94 100  
 96 99.4 65.3 121.3

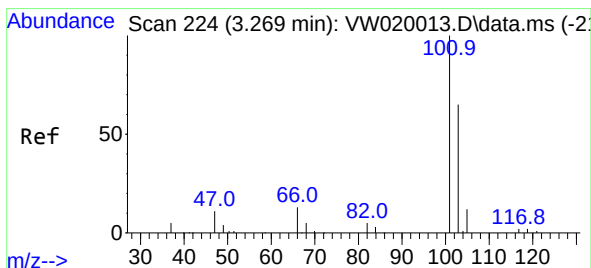
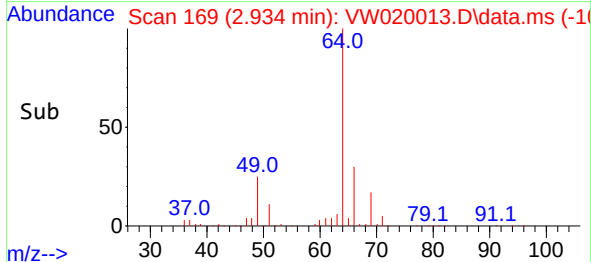
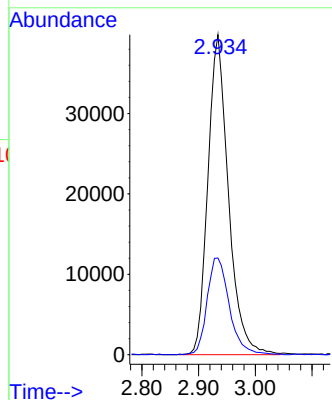
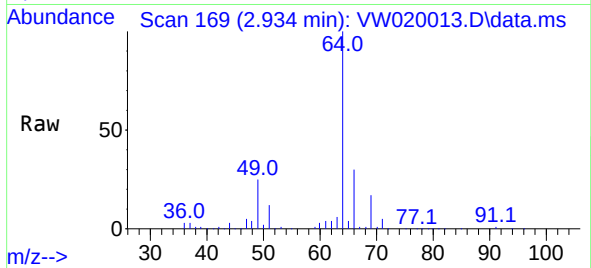




#8  
Chloroethane  
Concen: 28.026 ug/L  
RT: 2.934 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

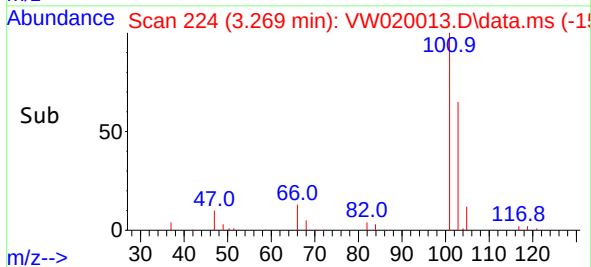
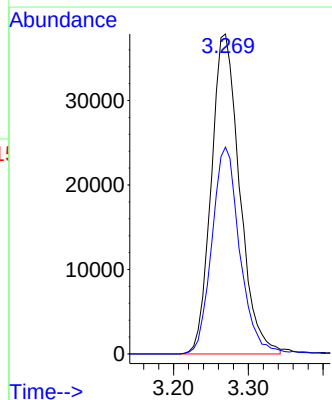
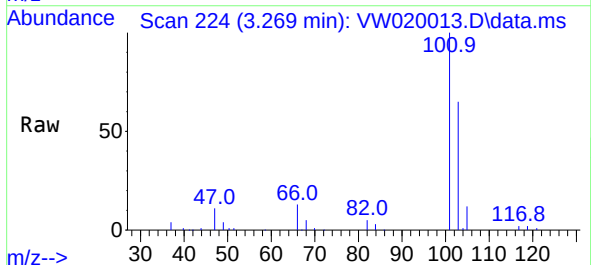
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

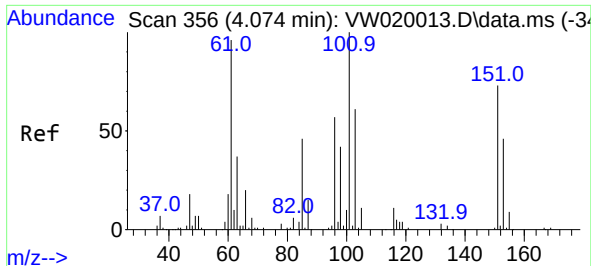
Tgt Ion: 64 Resp: 100045  
Ion Ratio Lower Upper  
64 100  
66 30.2 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 28.574 ug/L  
RT: 3.269 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion:101 Resp: 99884  
Ion Ratio Lower Upper  
101 100  
103 63.6 51.0 76.4

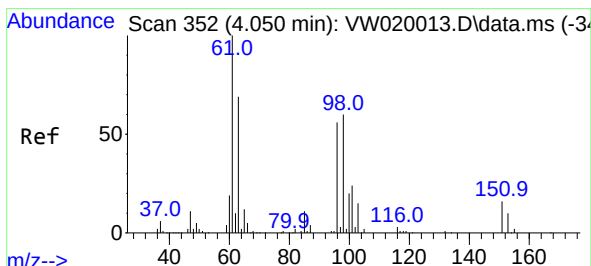
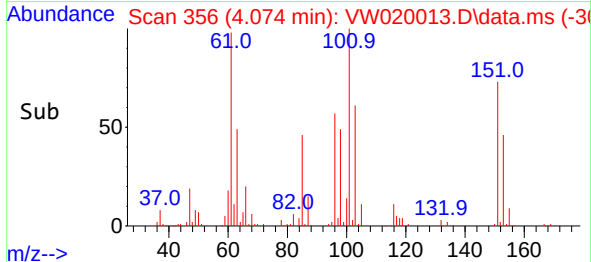
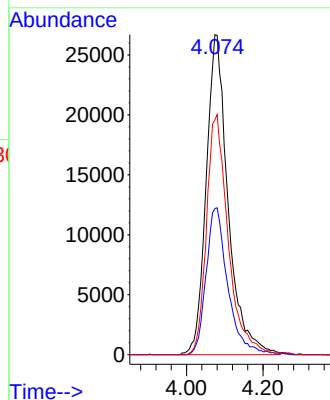
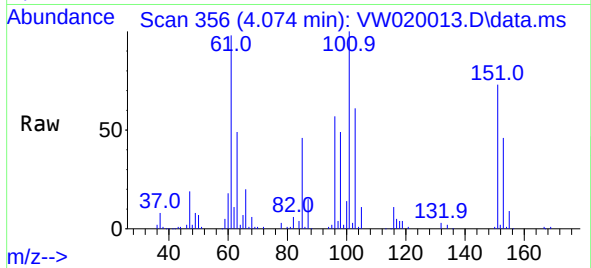




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 26.102 ug/L  
RT: 4.074 min Scan# 356  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

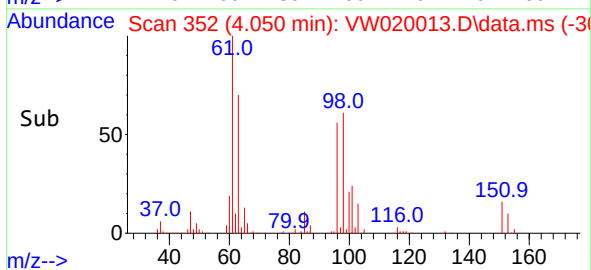
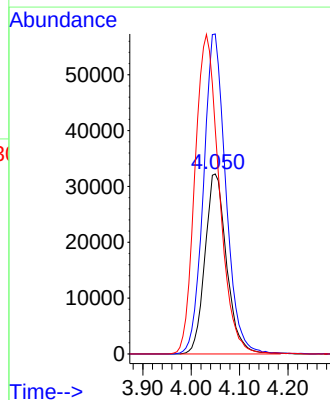
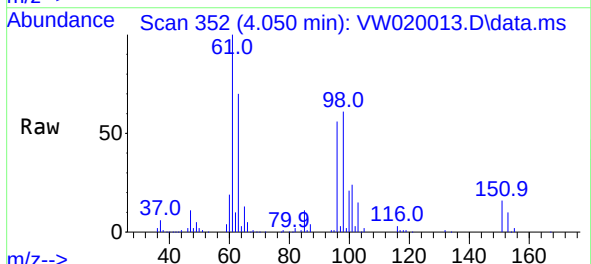
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

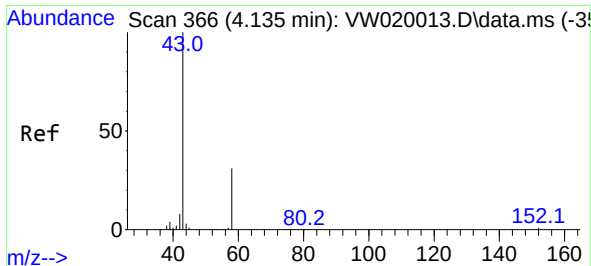
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Ion Ratio Lower Upper  
101 100  
85 44.2 38.2 57.2  
151 74.1 56.6 85.0



#12  
1,1-Dichloroethene  
Concen: 25.394 ug/L  
RT: 4.050 min Scan# 352  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 96 Resp: 100420  
Ion Ratio Lower Upper  
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61 177.7 118.1 219.3  
63 125.0 83.7 155.5

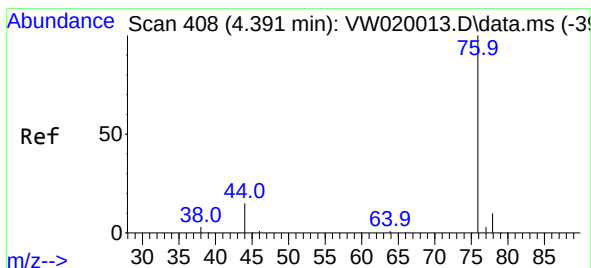
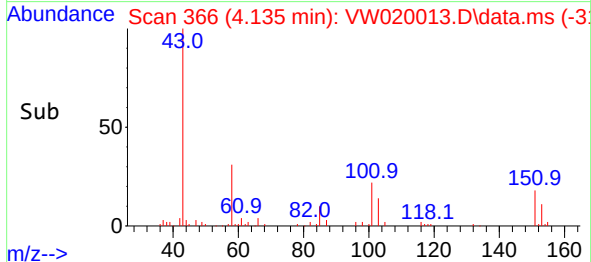
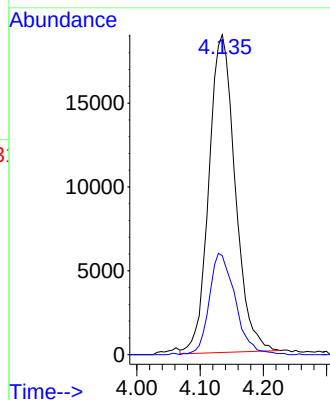
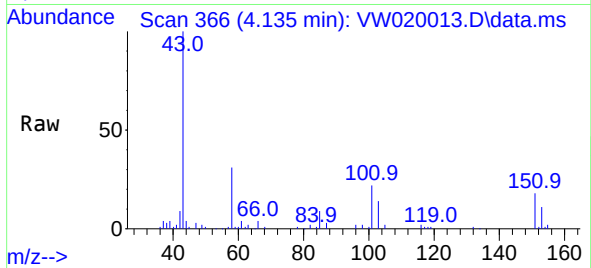




#13  
Acetone  
Concen: 63.773 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

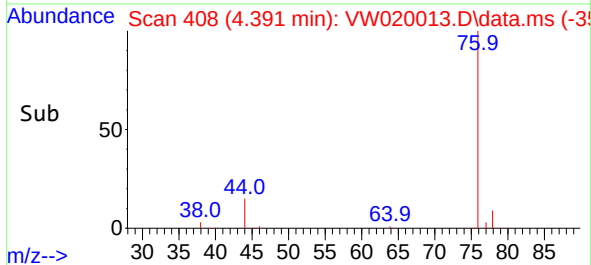
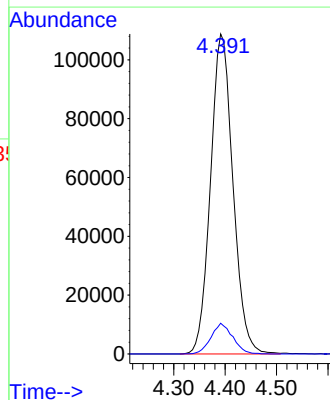
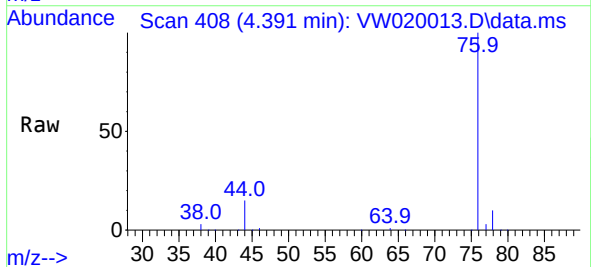
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

Tgt Ion: 43 Resp: 54740  
Ion Ratio Lower Upper  
43 100  
58 31.6 0.0 53.8

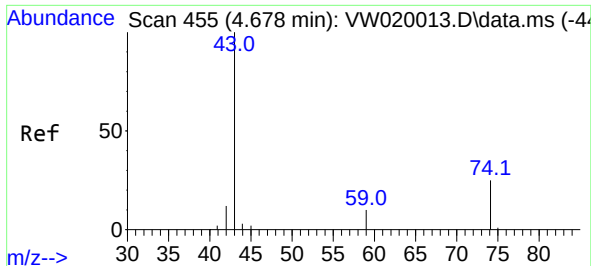


#14  
Carbon disulfide  
Concen: 26.062 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 76 Resp: 330529  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.0



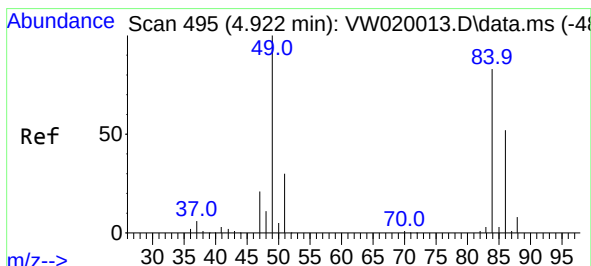
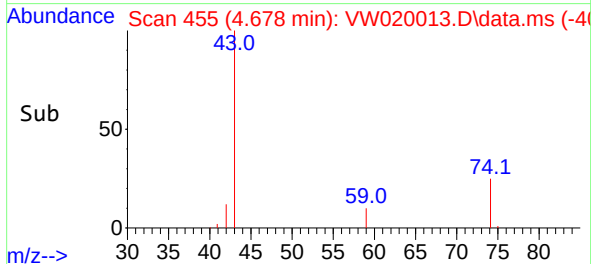
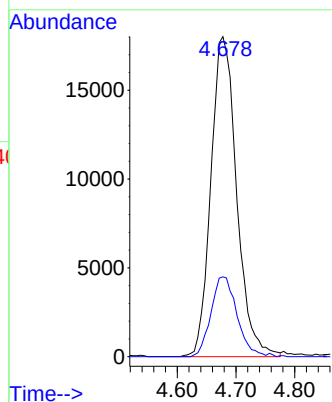
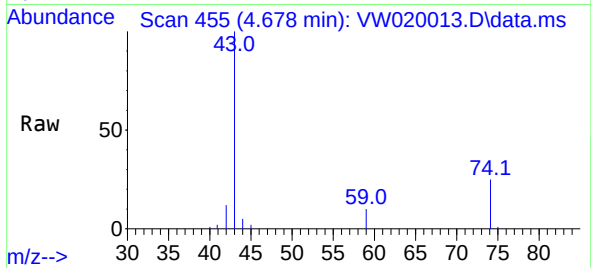




#15  
Methyl Acetate  
Concen: 31.248 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

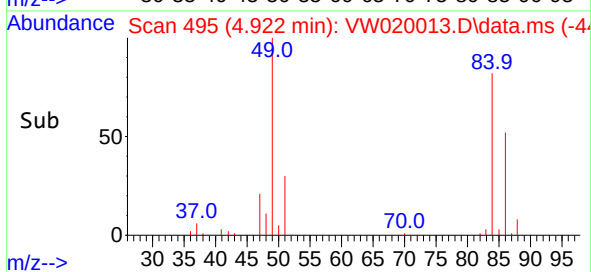
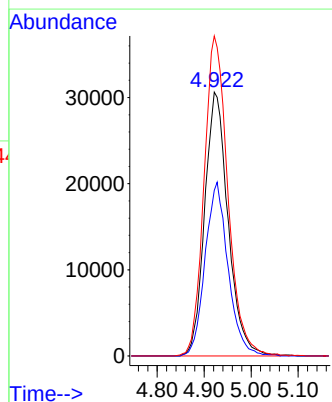
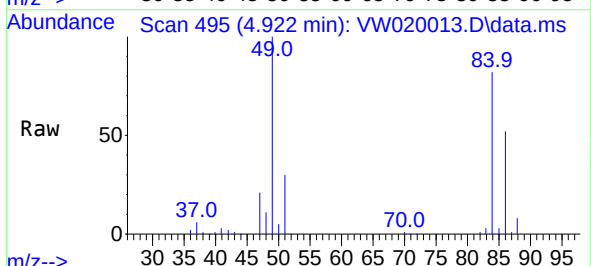
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

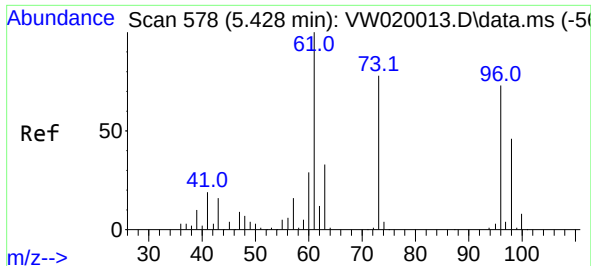
Tgt Ion: 43 Resp: 54955  
Ion Ratio Lower Upper  
43 100  
74 25.1 20.0 30.0



#16  
Methylene chloride  
Concen: 21.263 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 84 Resp: 106149  
Ion Ratio Lower Upper  
84 100  
86 62.8 45.3 84.1  
49 121.3 86.6 160.8

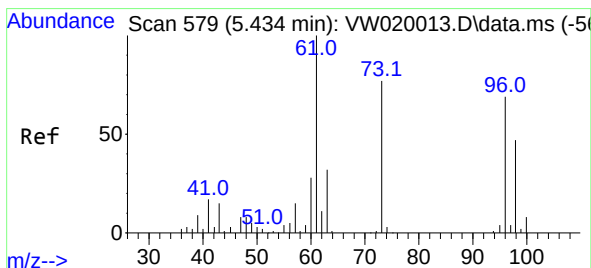
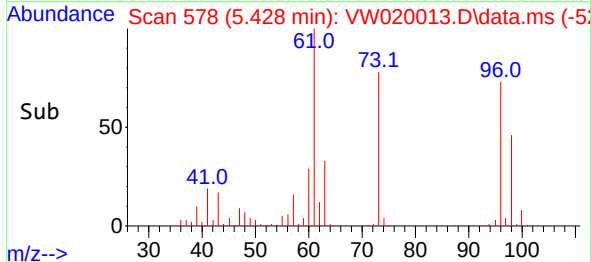
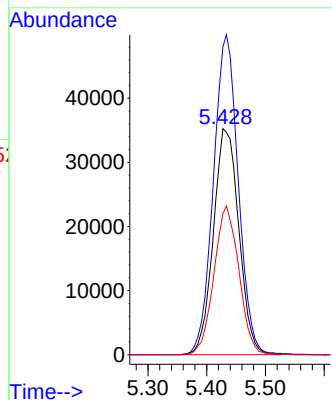
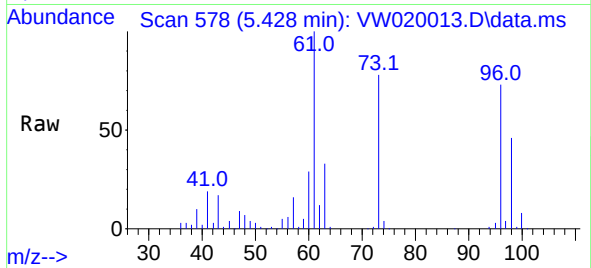




#17  
trans-1,2-Dichloroethene  
Concen: 25.636 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

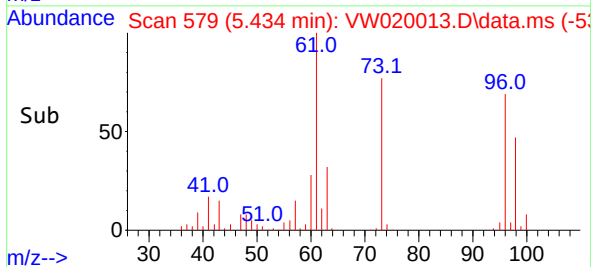
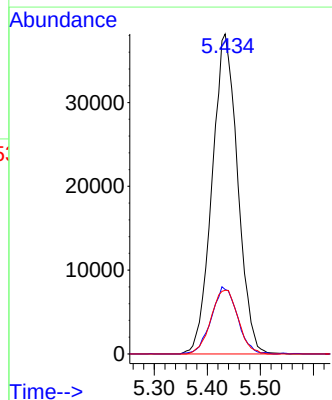
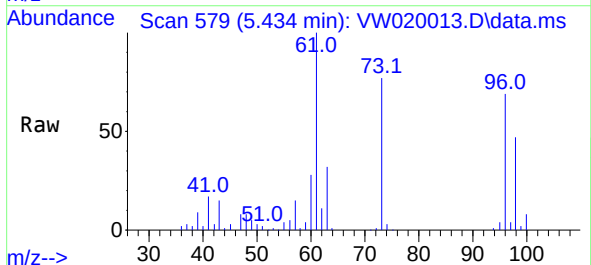
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

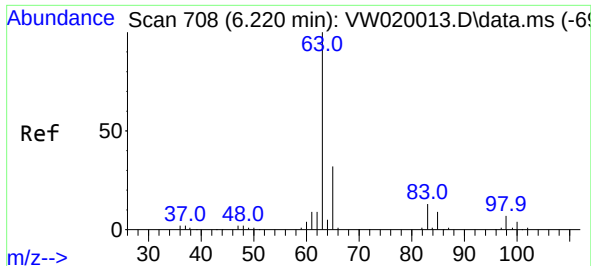
Tgt Ion: 96 Resp: 106163  
Ion Ratio Lower Upper  
96 100  
61 136.2 98.3 182.7  
98 62.3 46.1 85.7



#18  
Methyl tert-butyl Ether  
Concen: 26.404 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 73 Resp: 127702  
Ion Ratio Lower Upper  
73 100  
43 21.3 17.7 26.5  
57 21.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 25.000 ug/L

RT: 6.220 min Scan# 708

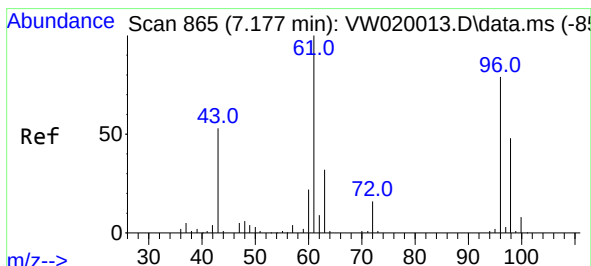
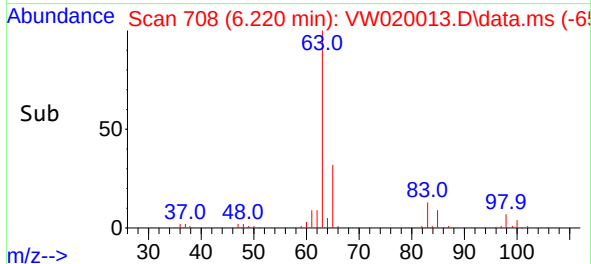
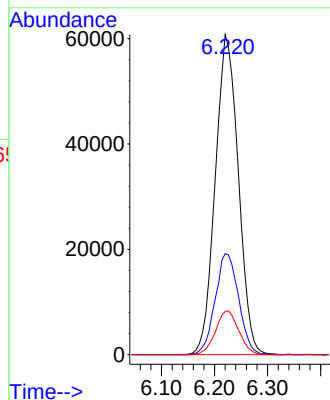
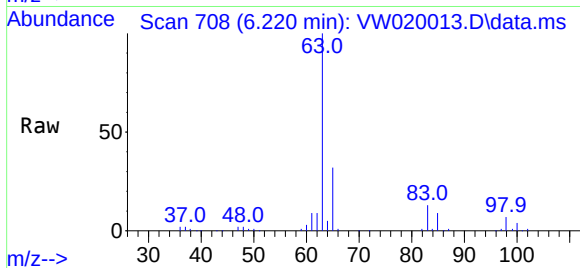
Delta R.T. 0.000 min

Lab File: VW020013.D

Acq: 14 Sep 2021 15:09

Tgt Ion: 63 Resp: 183385

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.6  | 22.9  | 42.5  |
| 83  | 13.5  | 10.2  | 19.0  |



#20

cis-1,2-Dichloroethene

Concen: 25.626 ug/L

RT: 7.177 min Scan# 865

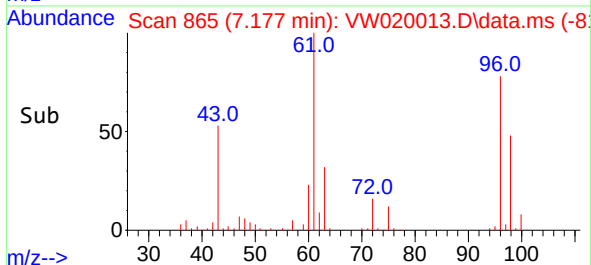
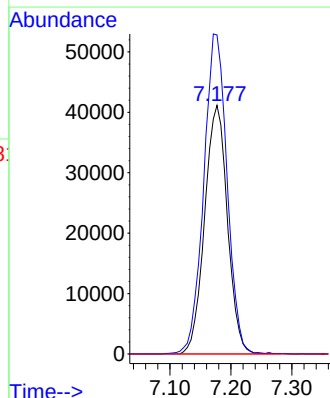
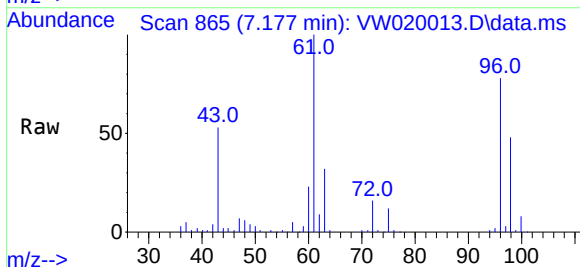
Delta R.T. 0.000 min

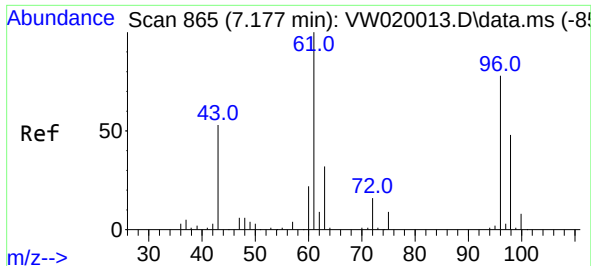
Lab File: VW020013.D

Acq: 14 Sep 2021 15:09

Tgt Ion: 96 Resp: 106990

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 128.4 | 88.5  | 164.3 |
| 68  | 0.0   | 0.0   | 0.0   |

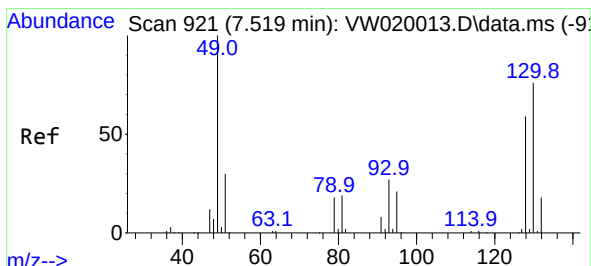
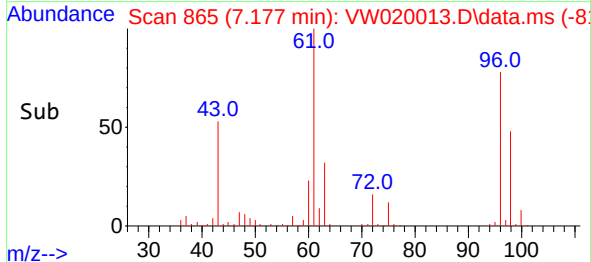
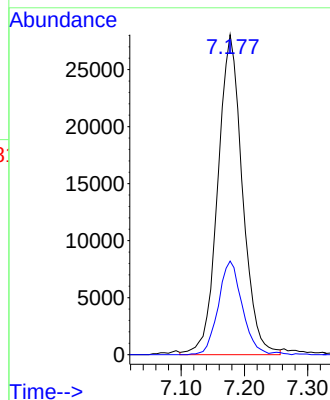
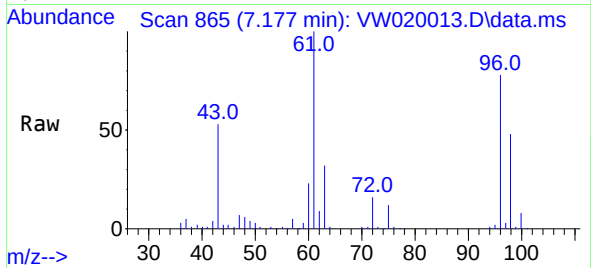




#22  
2-Butanone  
Concen: 68.136 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

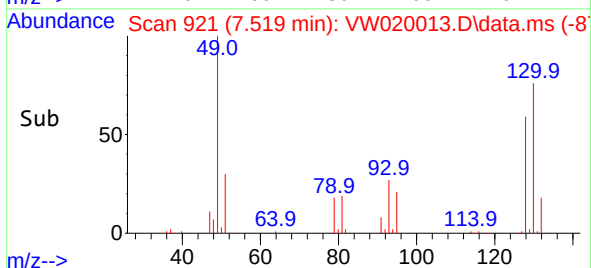
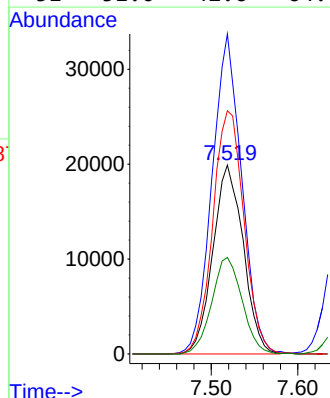
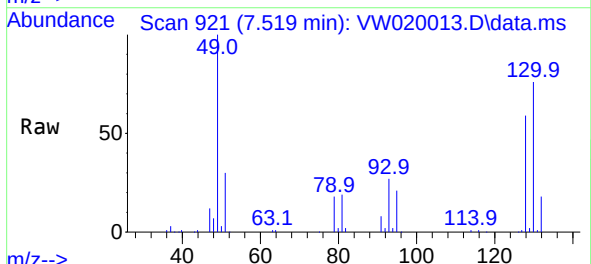
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

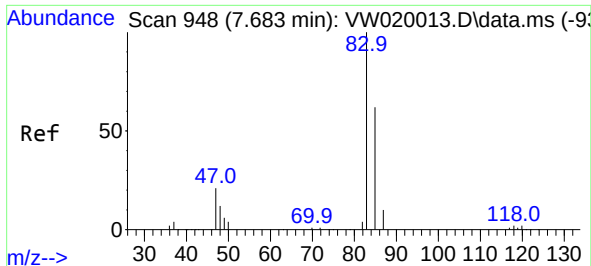
Tgt Ion: 43 Resp: 75906  
Ion Ratio Lower Upper  
43 100  
72 28.1 14.9 44.7



#23  
Bromochloromethane  
Concen: 25.616 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 128 Resp: 48466  
Ion Ratio Lower Upper  
128 100  
49 169.3 116.3 215.9  
130 128.7 82.4 153.0  
51 51.0 42.6 64.0





#25

Chloroform

Concen: 25.036 ug/L

RT: 7.683 min Scan# 948

Delta R.T. 0.000 min

Lab File: VW020013.D

Acq: 14 Sep 2021 15:09

Instrument :

MSVOA\_W

ClientSampleId :

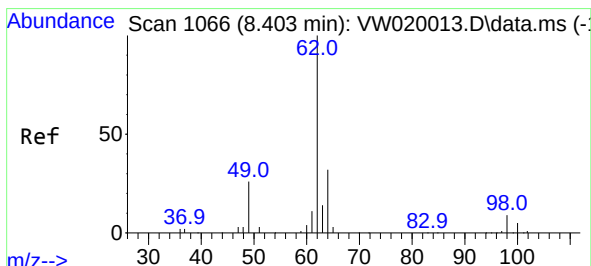
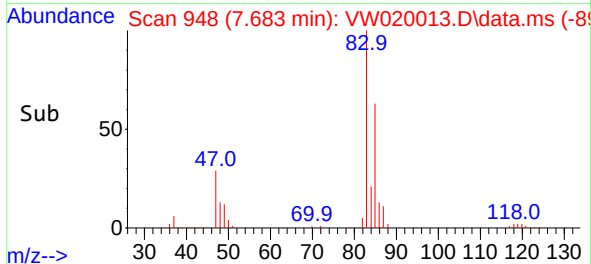
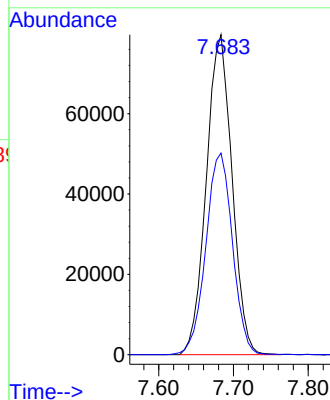
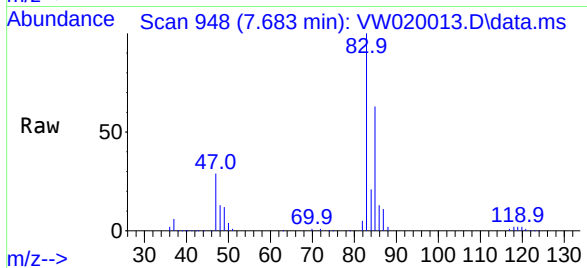
VSTD025446

Tgt Ion: 83 Resp: 190688

Ion Ratio Lower Upper

83 100

85 63.0 44.6 82.8



#27

1,2-Dichloroethane

Concen: 26.595 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VW020013.D

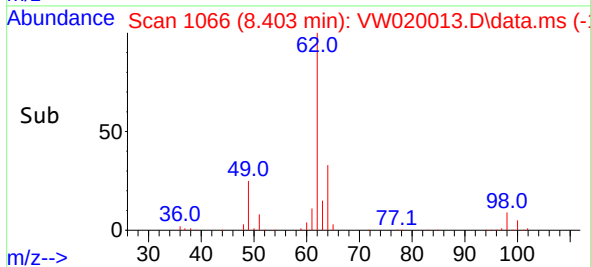
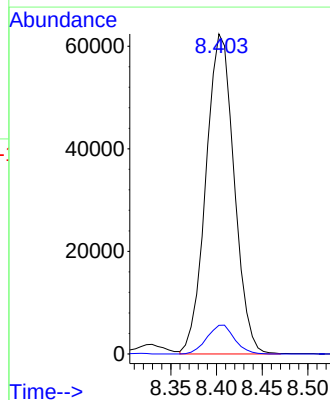
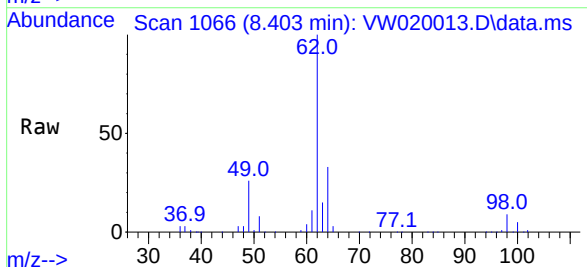
Acq: 14 Sep 2021 15:09

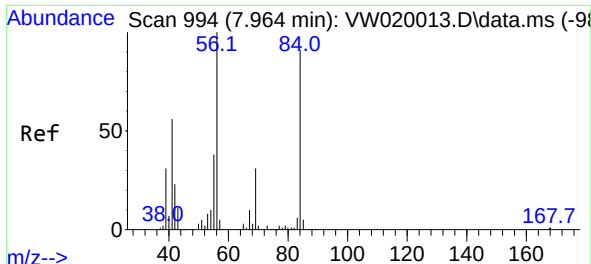
Tgt Ion: 62 Resp: 133986

Ion Ratio Lower Upper

62 100

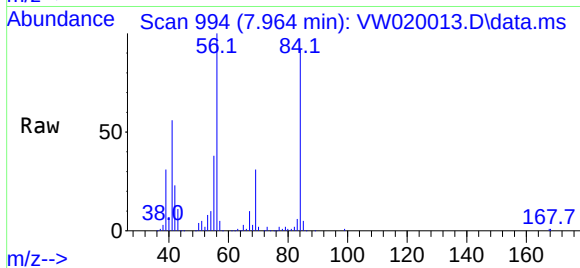
98 8.9 6.9 10.3





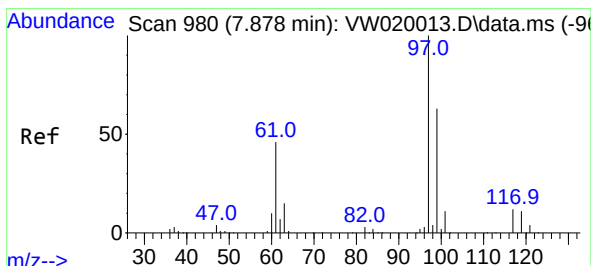
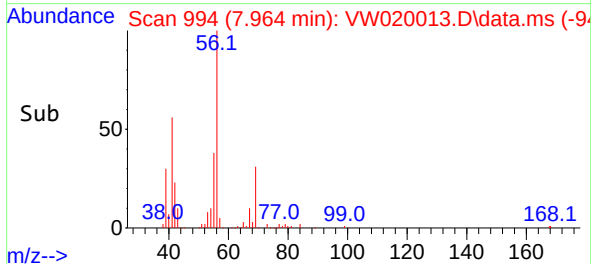
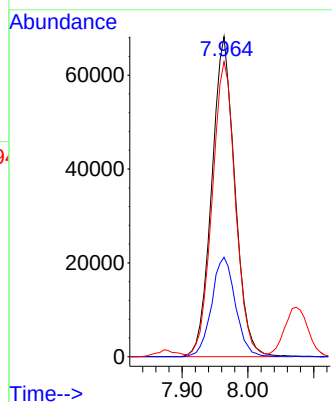
#29  
Cyclohexane  
Concen: 26.023 ug/L  
RT: 7.964 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446



Tgt Ion: 56 Resp: 166978

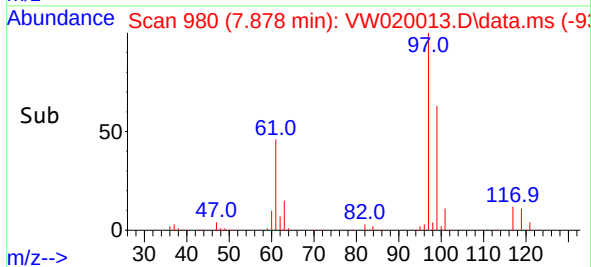
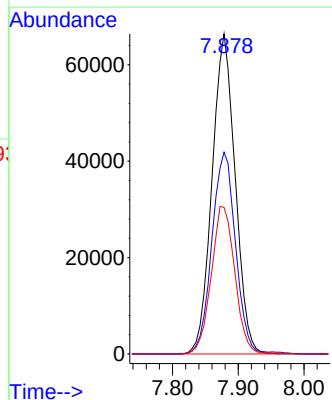
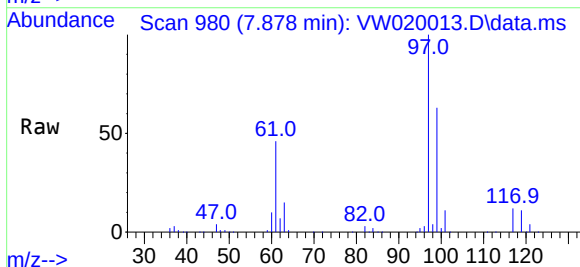
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.9  | 24.5  | 36.7  |
| 84  | 92.9  | 75.0  | 112.4 |

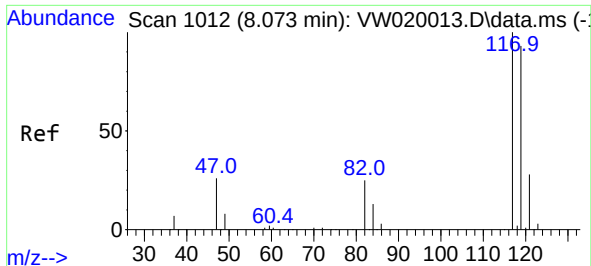


#30  
1,1,1-Trichloroethane  
Concen: 26.302 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 97 Resp: 162380

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.4  | 51.4  | 77.2  |
| 61  | 47.0  | 37.8  | 56.6  |

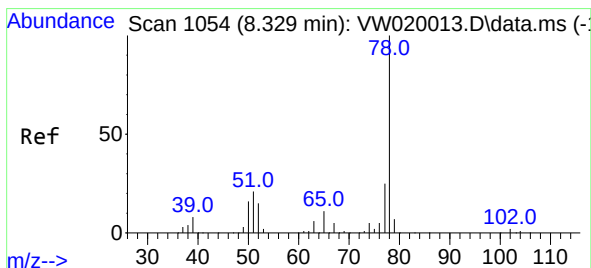
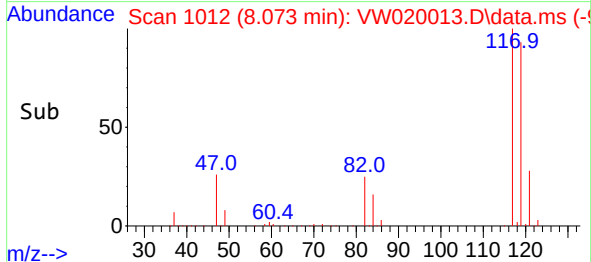
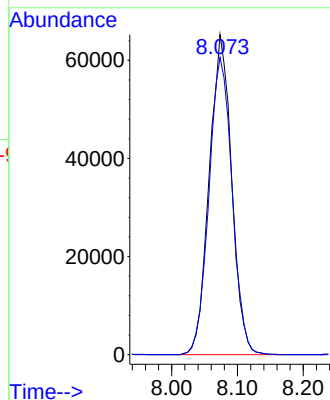
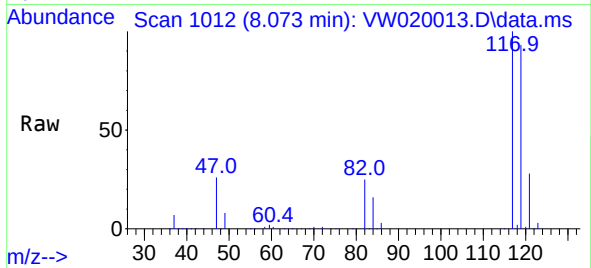




#31  
Carbon tetrachloride  
Concen: 26.664 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

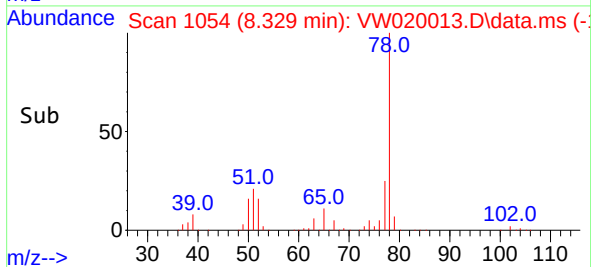
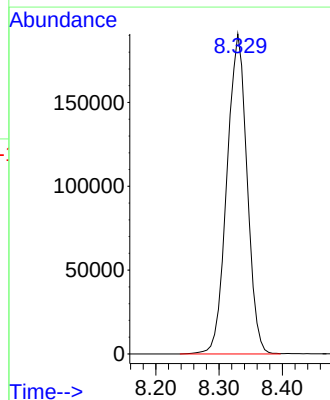
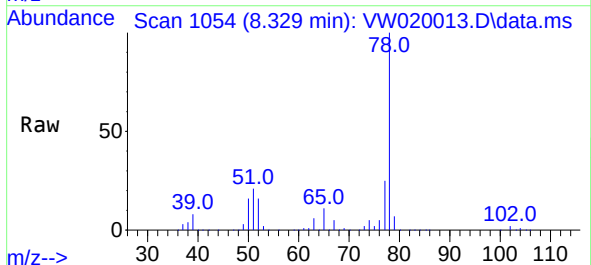
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

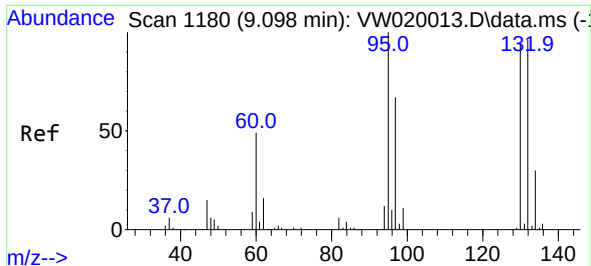
Tgt Ion:117 Resp: 154639  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.5 114.7



#33  
Benzene  
Concen: 25.146 ug/L  
RT: 8.329 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 78 Resp: 422267

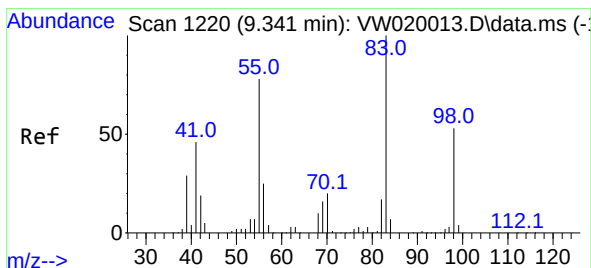
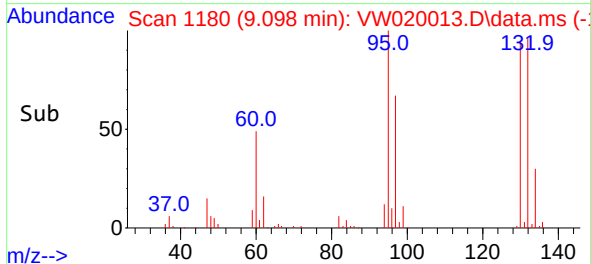
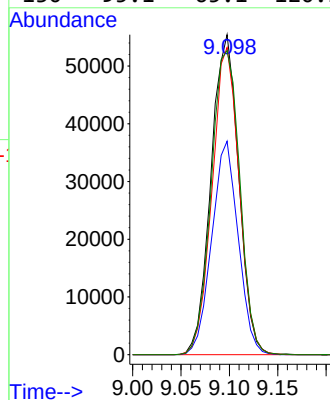
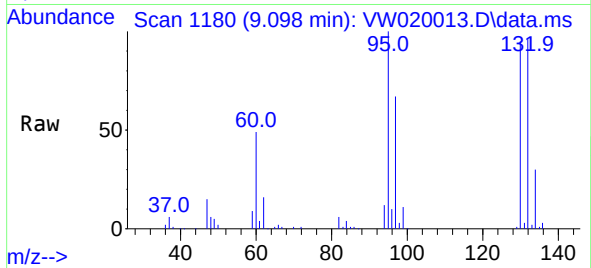




#34  
Trichloroethene  
Concen: 25.118 ug/L  
RT: 9.098 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

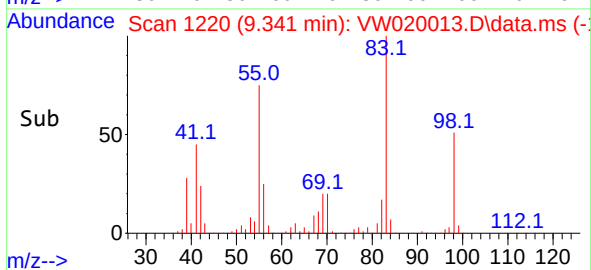
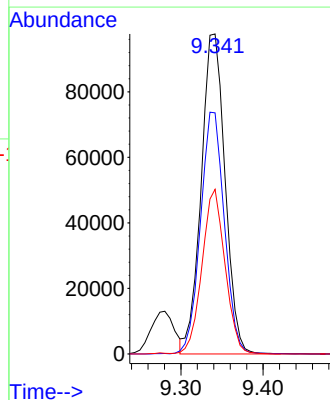
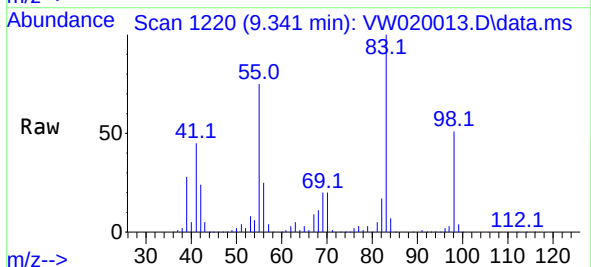
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

Tgt Ion: 95 Resp: 109945  
Ion Ratio Lower Upper  
95 100  
97 66.7 47.3 87.8  
132 96.0 71.0 131.8  
130 95.1 65.1 120.9

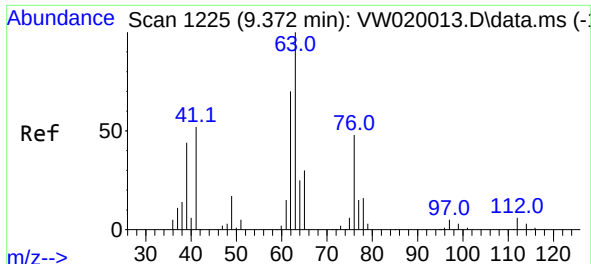


#35  
Methylcyclohexane  
Concen: 26.331 ug/L  
RT: 9.341 min Scan# 1220  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 83 Resp: 197509  
Ion Ratio Lower Upper  
83 100  
55 75.4 58.9 88.3  
98 49.6 40.1 60.1



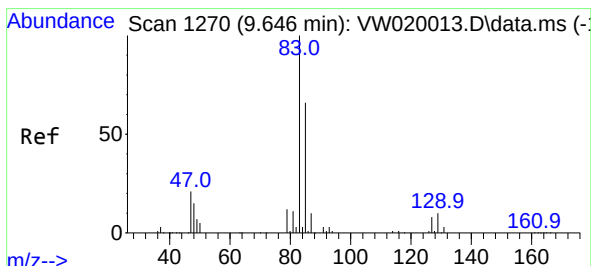
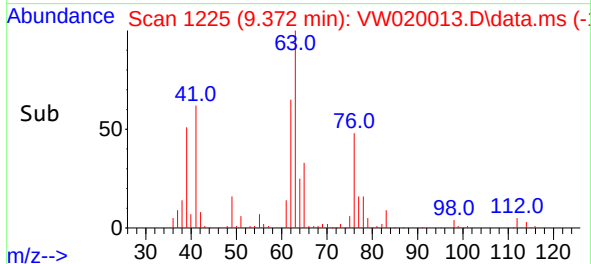
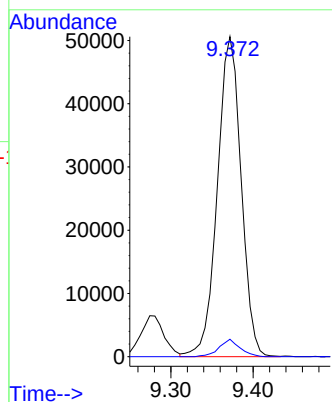
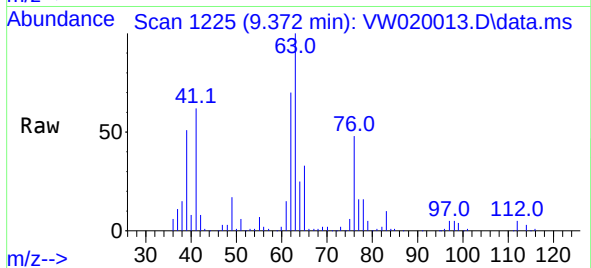




#37  
1,2-Dichloropropane  
Concen: 24.533 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

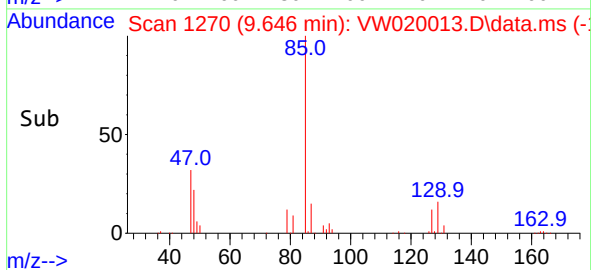
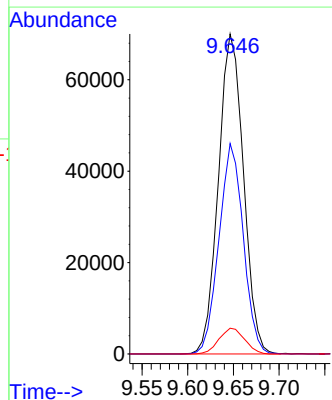
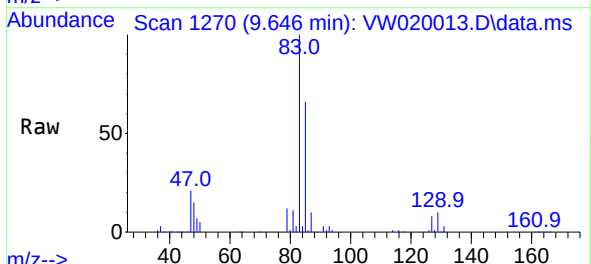
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

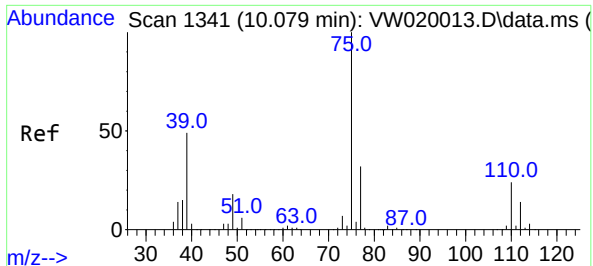
Tgt Ion: 63 Resp: 101634  
Ion Ratio Lower Upper  
63 100  
112 4.8 3.9 5.9



#38  
Bromodichloromethane  
Concen: 24.733 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 83 Resp: 133584  
Ion Ratio Lower Upper  
83 100  
85 65.8 42.3 78.5  
127 8.0 6.6 9.8

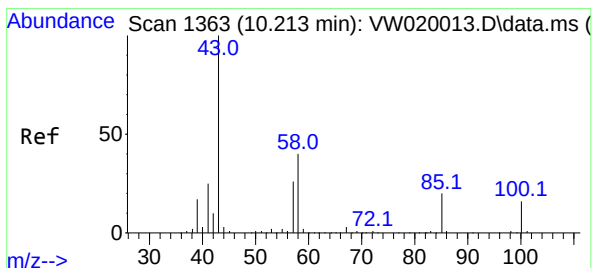
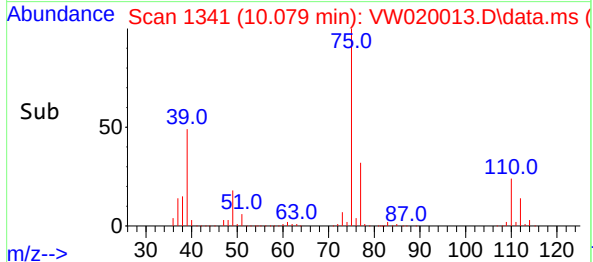
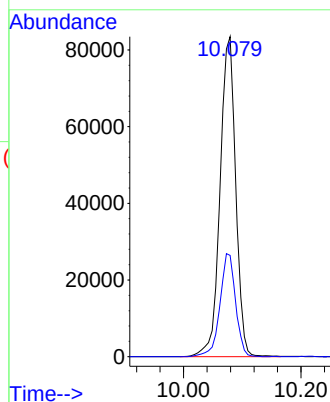
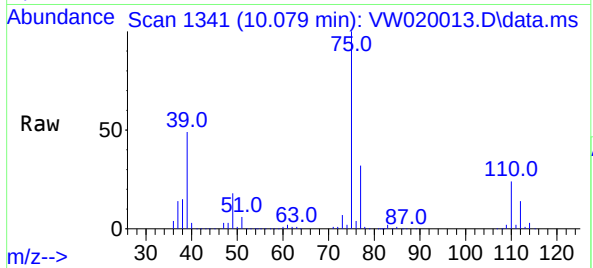




#39  
cis-1,3-Dichloropropene  
Concen: 25.274 ug/L  
RT: 10.079 min Scan# 1341  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

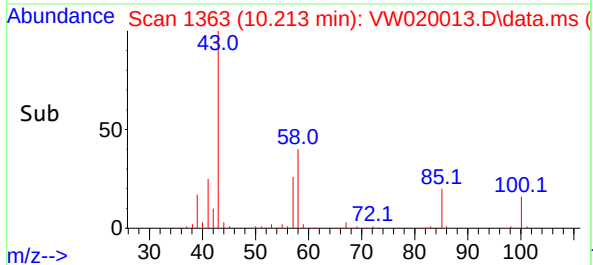
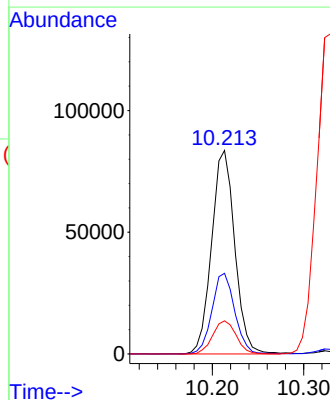
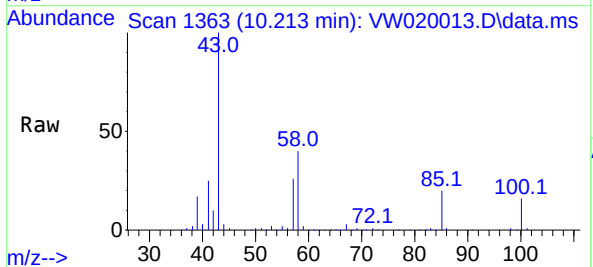
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

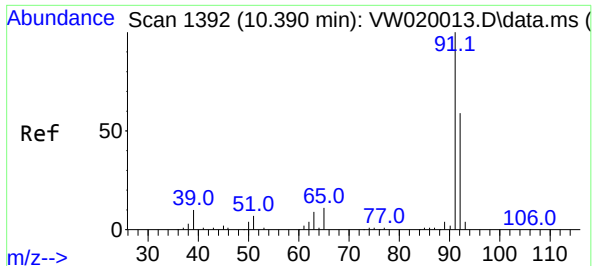
Tgt Ion: 75 Resp: 154439  
Ion Ratio Lower Upper  
75 100  
77 31.6 22.6 42.0



#40  
4-Methyl-2-pentanone  
Concen: 62.149 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 43 Resp: 147024  
Ion Ratio Lower Upper  
43 100  
58 39.1 31.0 46.4  
100 16.5 13.0 19.6

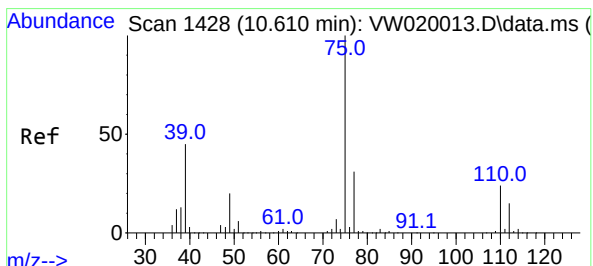
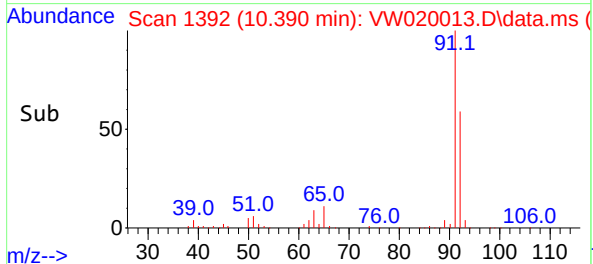
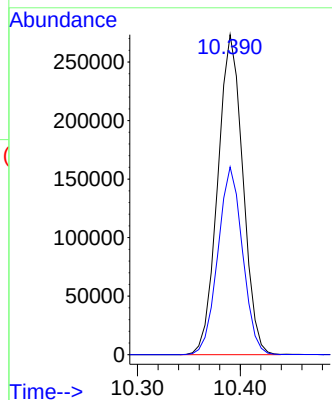
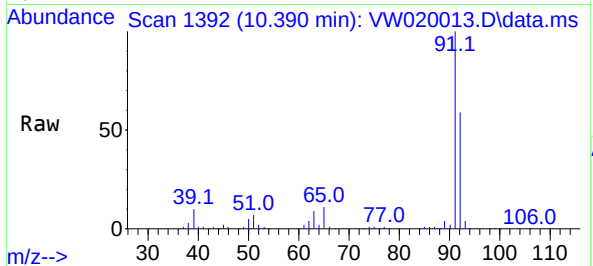




#42  
Toluene  
Concen: 25.969 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

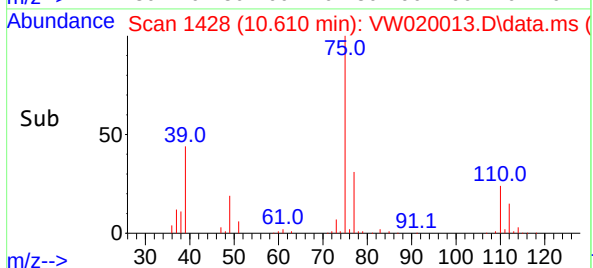
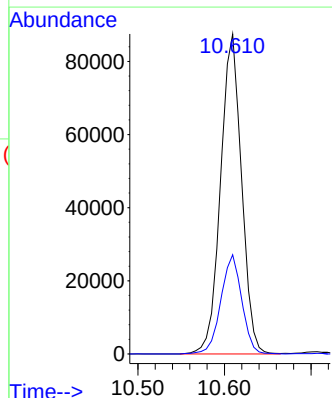
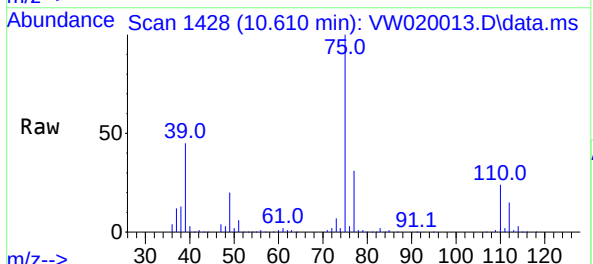
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

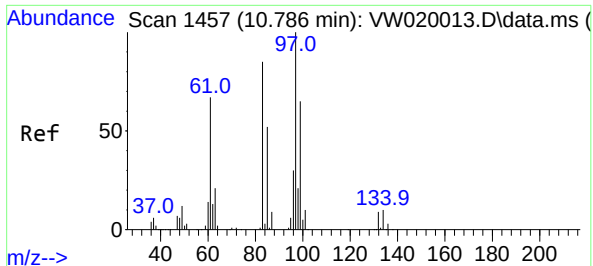
Tgt Ion: 91 Resp: 463830  
Ion Ratio Lower Upper  
91 100  
92 58.7 39.5 73.3



#44  
trans-1,3-Dichloropropene  
Concen: 26.868 ug/L  
RT: 10.610 min Scan# 1428  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 75 Resp: 147222  
Ion Ratio Lower Upper  
75 100  
77 31.0 21.1 39.1

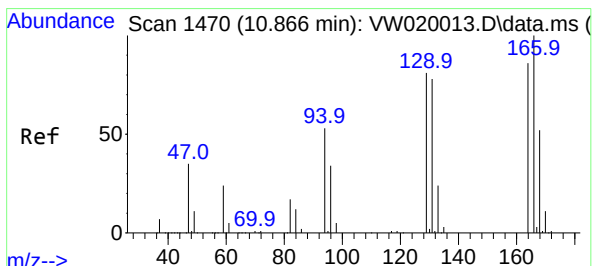
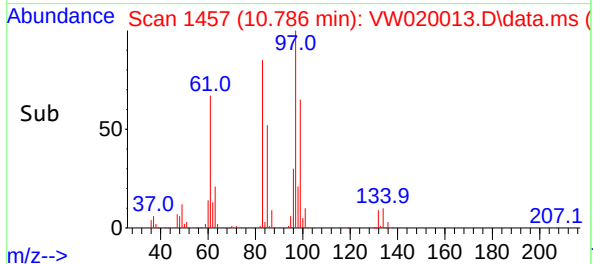
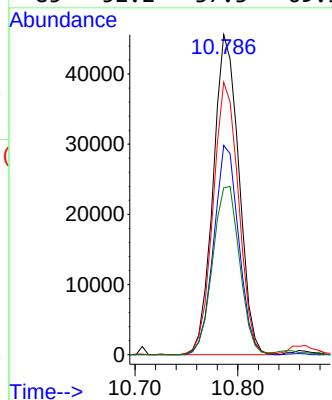
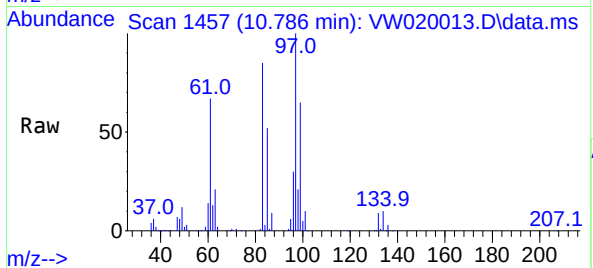




#45  
1,1,2-Trichloroethane  
Concen: 25.875 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

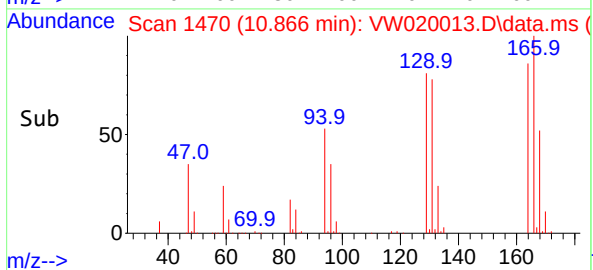
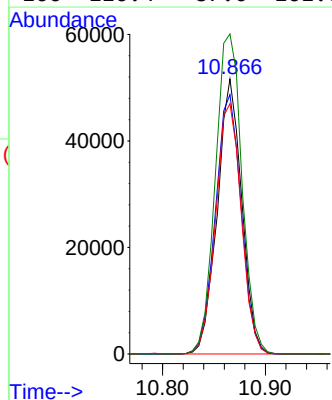
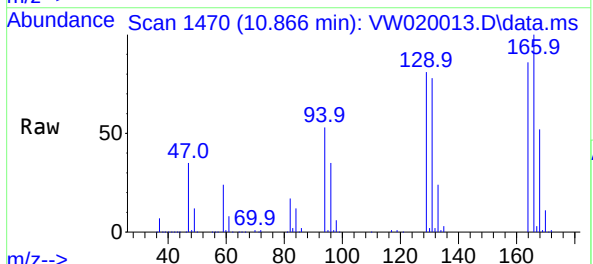
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

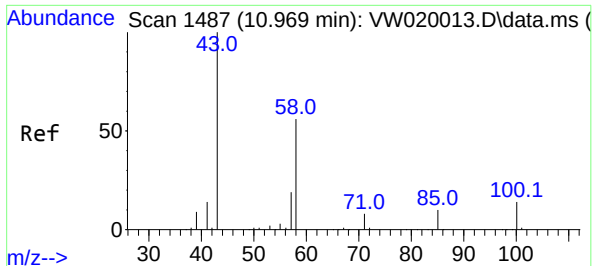
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 79089 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.4  | 45.1  | 83.7  |
| 83       | 85.2  | 58.1  | 107.9 |
| 85       | 52.2  | 37.3  | 69.3  |



#46  
Tetrachloroethene  
Concen: 25.588 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 85219 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 94.4  | 66.7  | 123.9 |
| 131      | 91.1  | 61.1  | 113.5 |
| 166      | 116.4 | 87.0  | 161.6 |



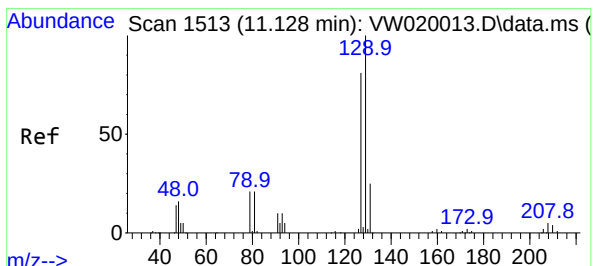
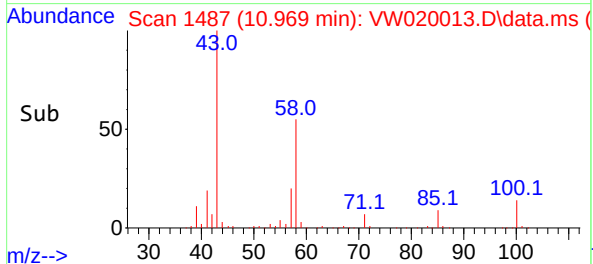
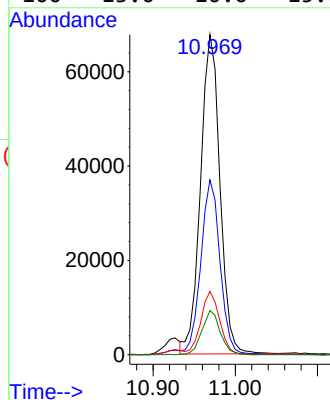
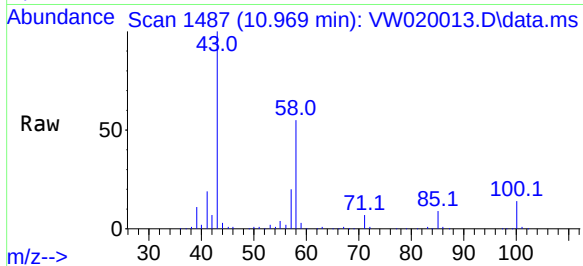


#48  
2-Hexanone  
Concen: 66.425 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

Tgt Ion: 43 Resp: 111145

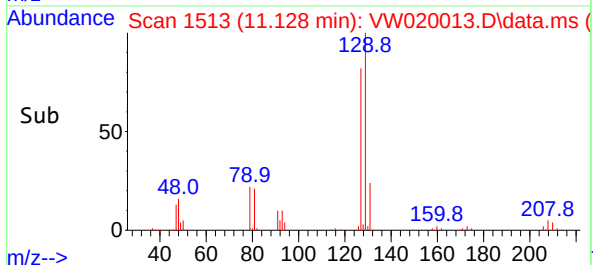
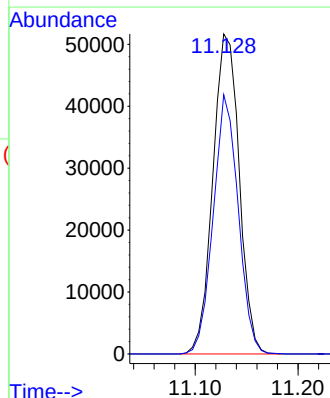
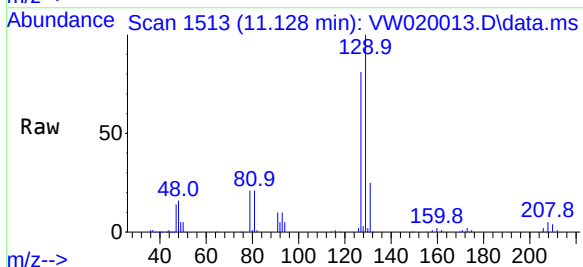
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 53.8  | 42.7  | 64.1  |
| 57  | 19.2  | 15.8  | 23.8  |
| 100 | 13.0  | 10.0  | 15.0  |

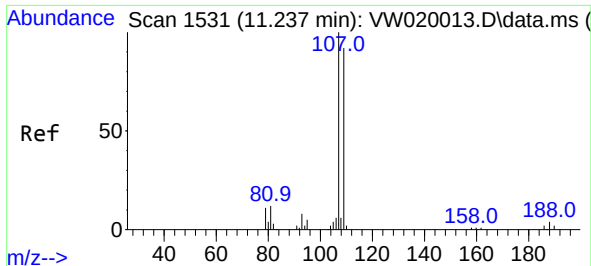


#49  
Dibromochloromethane  
Concen: 26.292 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 129 Resp: 92038

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 81.0  | 51.7  | 95.9  |

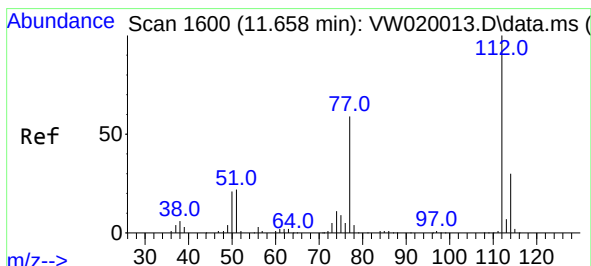
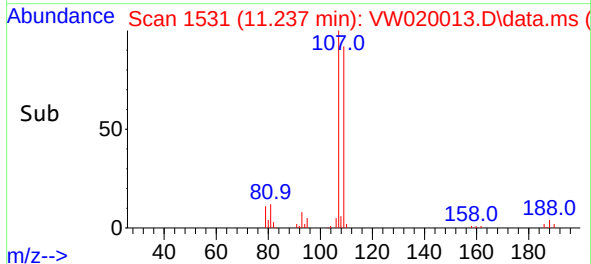
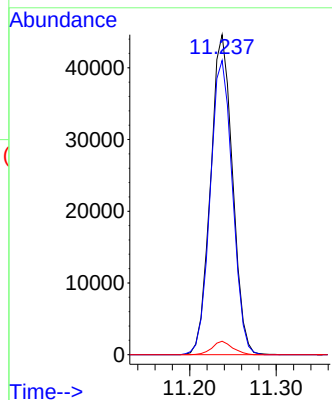
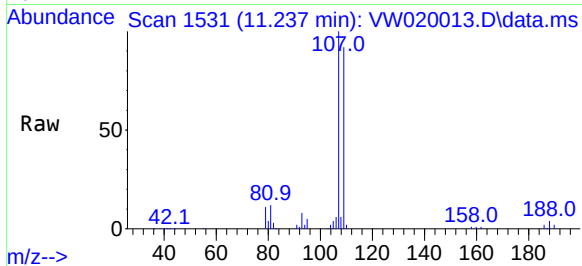




#50  
1,2-Dibromoethane  
Concen: 27.127 ug/L  
RT: 11.237 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

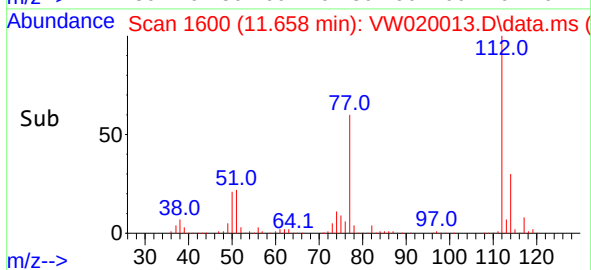
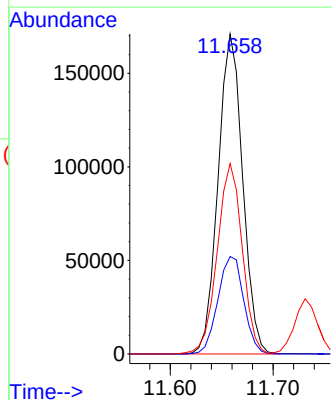
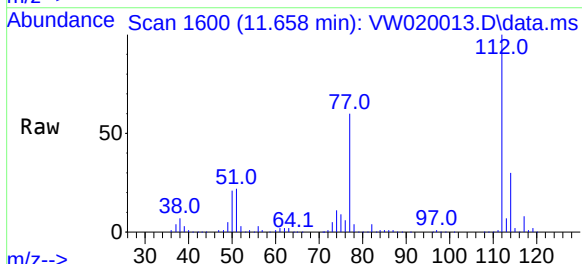
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

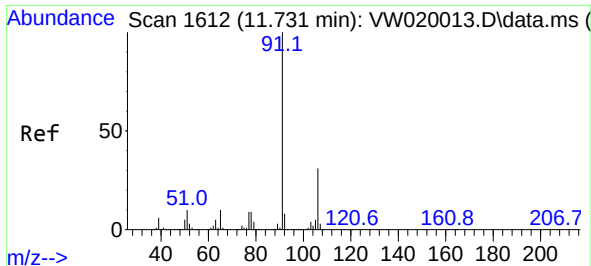
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 78714 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 91.9  | 65.4  | 121.4 |
| 188      | 4.2   | 2.6   | 4.0#  |



#51  
Chlorobenzene  
Concen: 24.974 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 283743 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 30.4  | 23.4  | 43.6   |
| 77       | 59.5  | 47.6  | 71.4   |

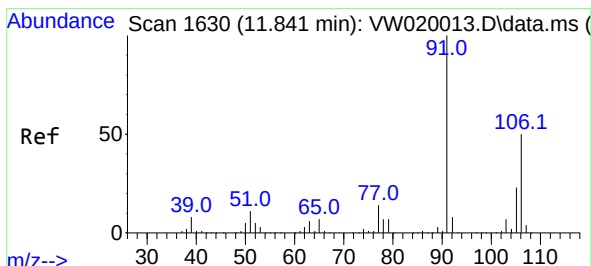
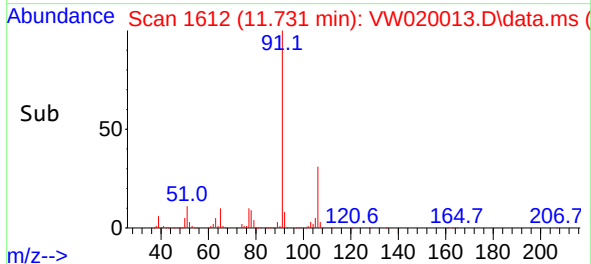
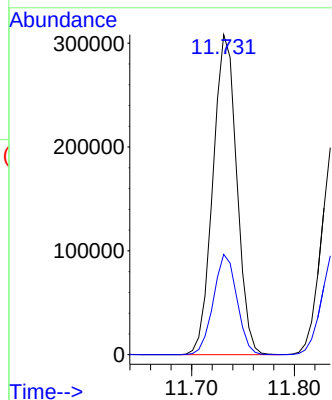
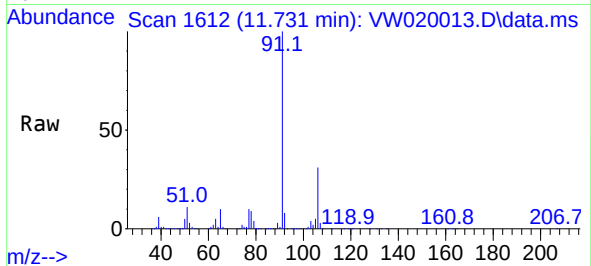




#52  
Ethylbenzene  
Concen: 25.730 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

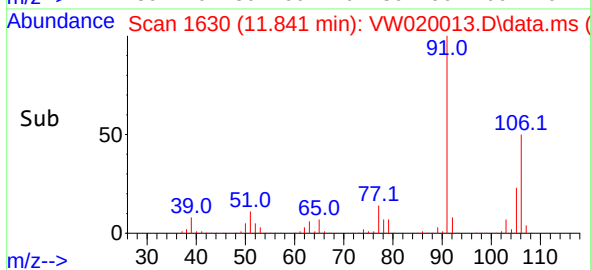
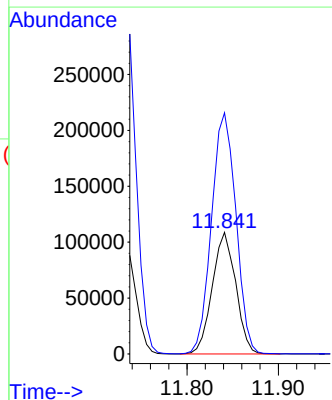
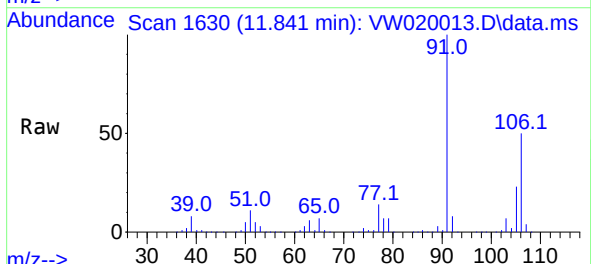
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

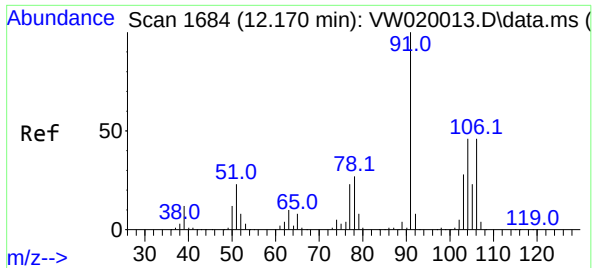
Tgt Ion: 91 Resp: 495717  
Ion Ratio Lower Upper  
91 100  
106 31.3 22.5 41.7



#53  
m,p-Xylene  
Concen: 26.183 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion:106 Resp: 193934  
Ion Ratio Lower Upper  
106 100  
91 198.3 141.3 262.3

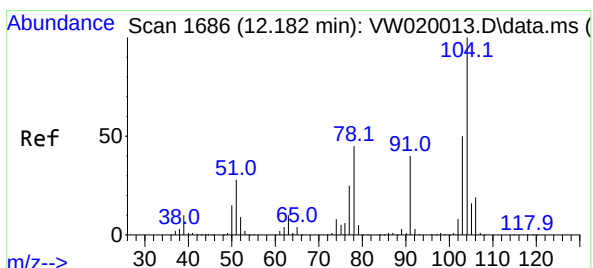
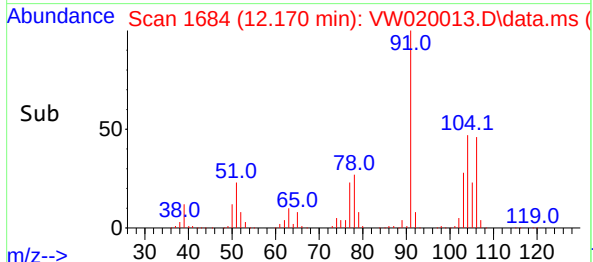
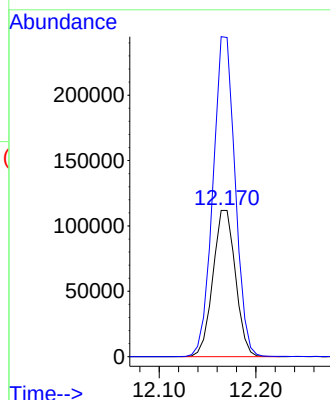
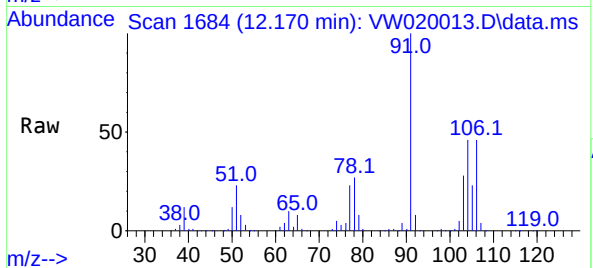




#54  
o-Xylene  
Concen: 25.992 ug/L  
RT: 12.170 min Scan# 1684  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

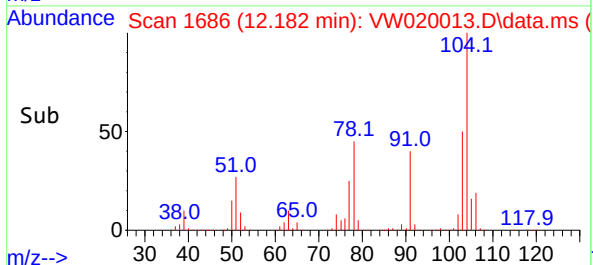
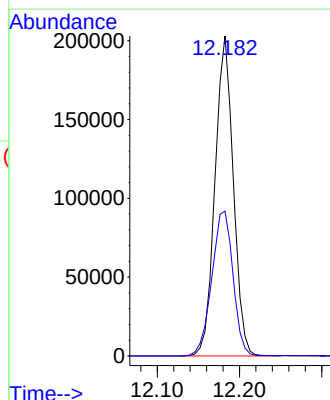
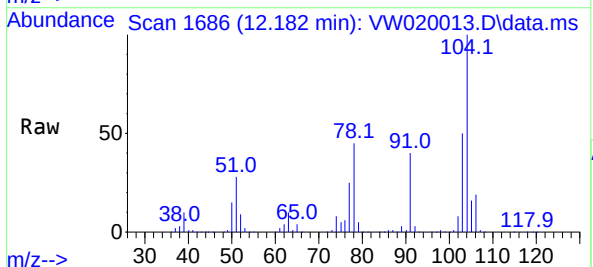
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

Tgt Ion:106 Resp: 181508  
Ion Ratio Lower Upper  
106 100  
91 218.1 150.0 278.6



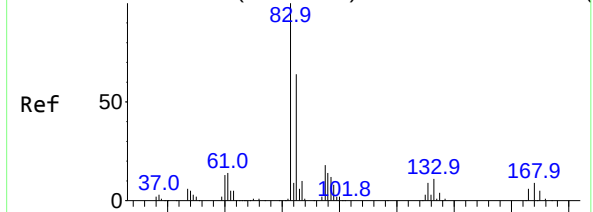
#55  
Styrene  
Concen: 26.257 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion:104 Resp: 314350  
Ion Ratio Lower Upper  
104 100  
78 45.2 32.5 60.3



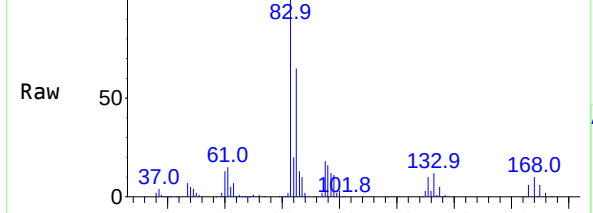


Abundance Scan 1773 (12.713 min): VW020013.D\data.ms (



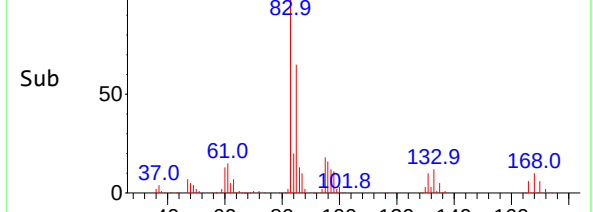
m/z-->

Abundance Scan 1773 (12.713 min): VW020013.D\data.ms



m/z-->

Abundance Scan 1773 (12.713 min): VW020013.D\data.ms (



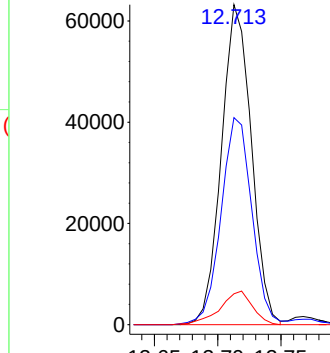
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#57

1,1,2,2-Tetrachloroethane  
Concen: 27.170 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

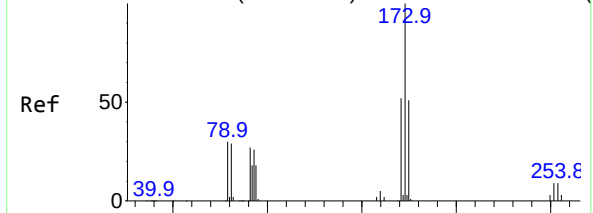
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 104032 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.7  | 44.4  | 82.4   |
| 131      | 9.6   | 8.2   | 12.4   |

Abundance



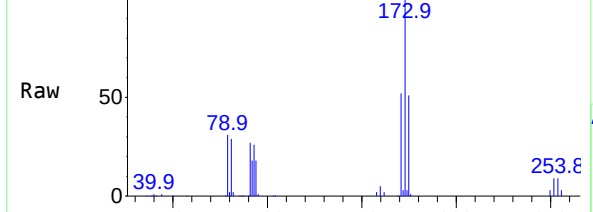
Time-->

Abundance Scan 1714 (12.353 min): VW020013.D\data.ms (



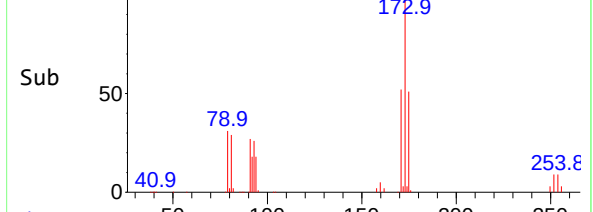
m/z-->

Abundance Scan 1714 (12.353 min): VW020013.D\data.ms



m/z-->

Abundance Scan 1714 (12.353 min): VW020013.D\data.ms (



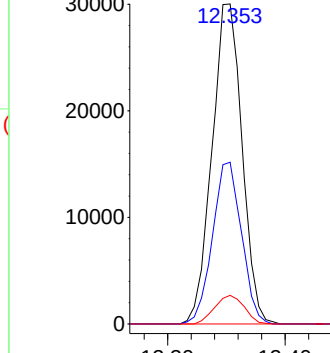
m/z-->

#59

Bromoform  
Concen: 27.326 ug/L  
RT: 12.353 min Scan# 1714  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

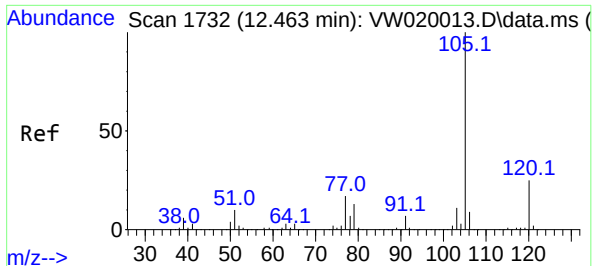
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 53354 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.7  | 37.5  | 56.3  |
| 254      | 8.8   | 7.0   | 10.4  |

Abundance



Time-->

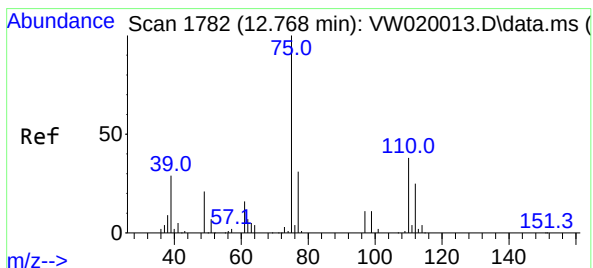
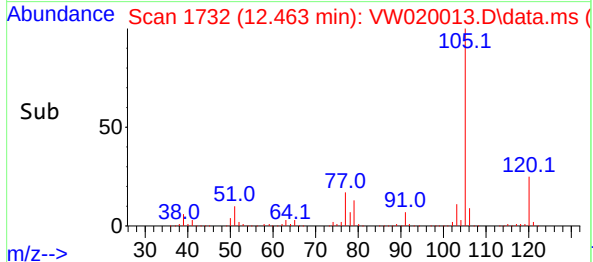
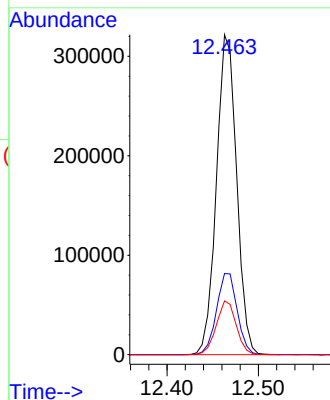
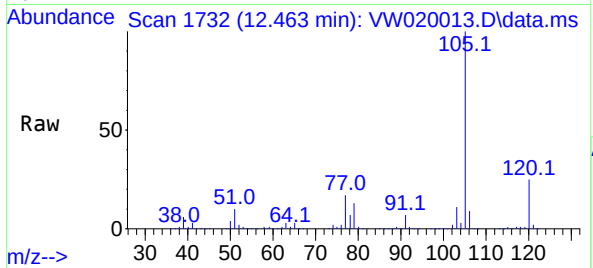
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446



#60  
Isopropylbenzene  
Concen: 25.821 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

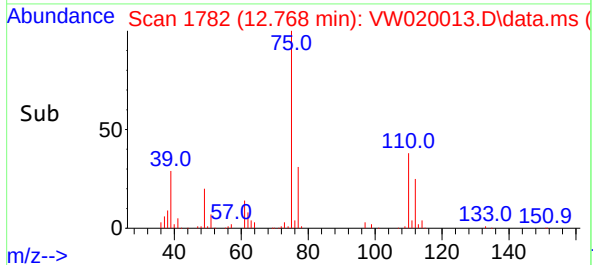
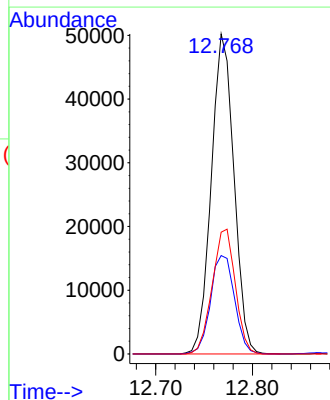
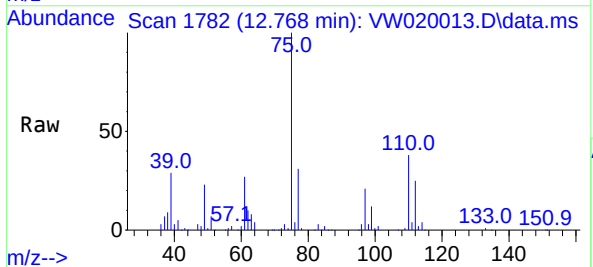
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

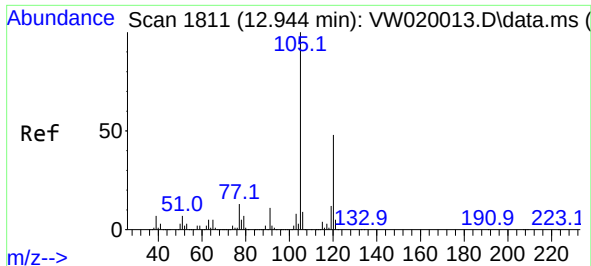
Tgt Ion:105 Resp: 494685  
Ion Ratio Lower Upper  
105 100  
120 26.0 21.1 31.7  
77 16.6 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 28.187 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion: 75 Resp: 81774  
Ion Ratio Lower Upper  
75 100  
77 32.7 25.3 37.9  
110 39.7 32.6 48.8

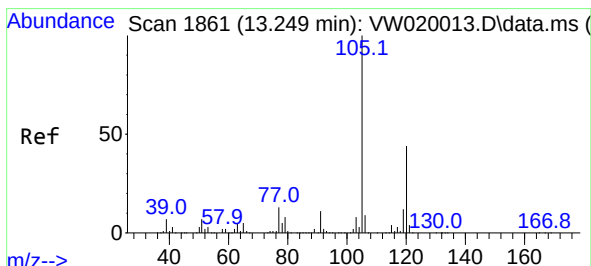
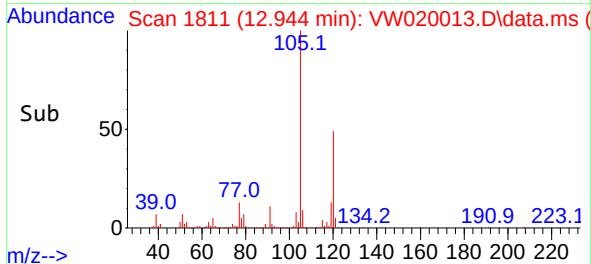
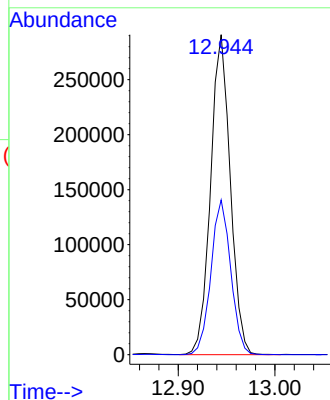
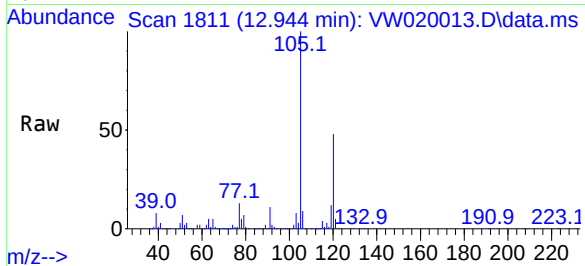




#62  
1,3,5-Trimethylbenzene  
Concen: 26.859 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

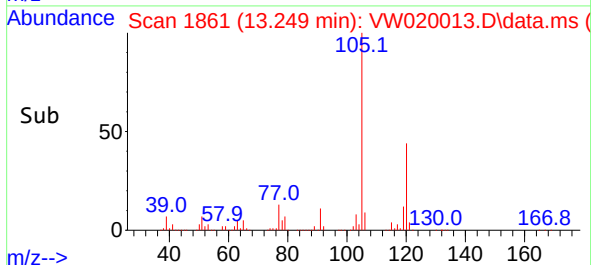
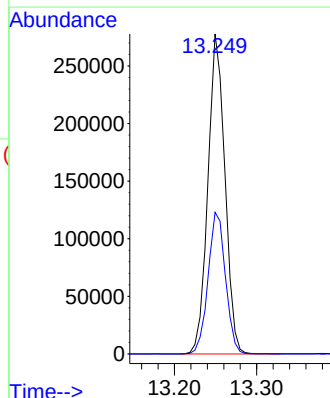
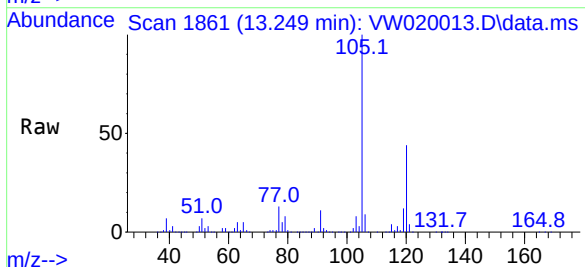
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

Tgt Ion:105 Resp: 411708  
Ion Ratio Lower Upper  
105 100  
120 48.5 39.0 58.6

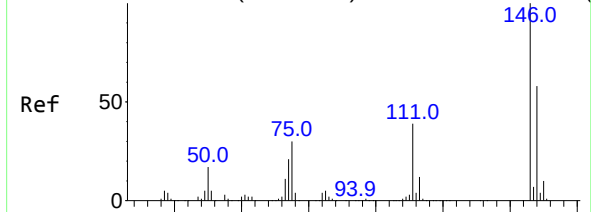


#63  
1,2,4-Trimethylbenzene  
Concen: 25.910 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion:105 Resp: 399201  
Ion Ratio Lower Upper  
105 100  
120 45.2 35.6 53.4

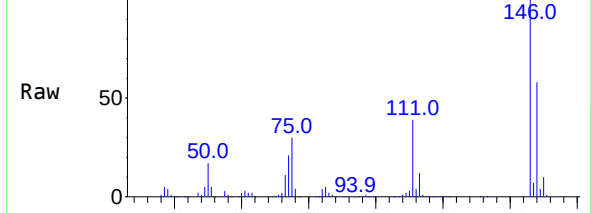


Abundance Scan 1902 (13.499 min): VW020013.D\data.ms (



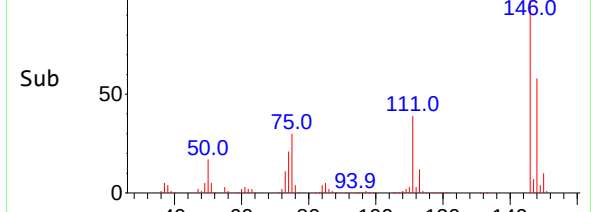
m/z-->

Abundance Scan 1902 (13.499 min): VW020013.D\data.ms



m/z-->

Abundance Scan 1902 (13.499 min): VW020013.D\data.ms (

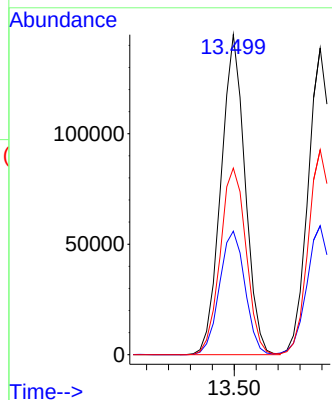


m/z-->

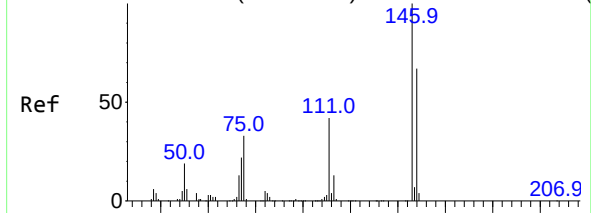
#64

1,3-Dichlorobenzene  
Concen: 25.622 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion:146 Resp: 221427  
Ion Ratio Lower Upper  
146 100  
111 38.6 26.7 49.7  
148 58.3 41.1 76.3

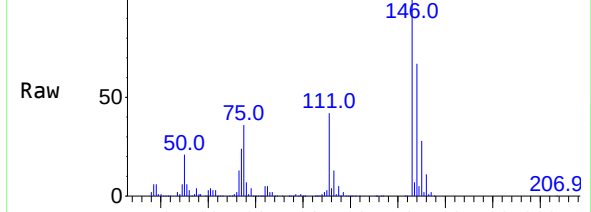


Abundance Scan 1915 (13.578 min): VW020013.D\data.ms (



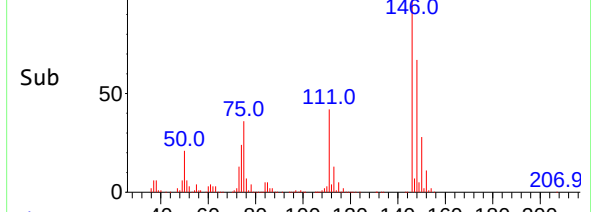
m/z-->

Abundance Scan 1915 (13.578 min): VW020013.D\data.ms



m/z-->

Abundance Scan 1915 (13.578 min): VW020013.D\data.ms (

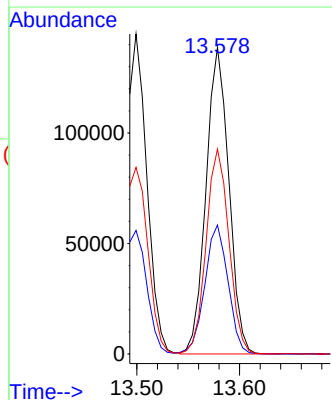


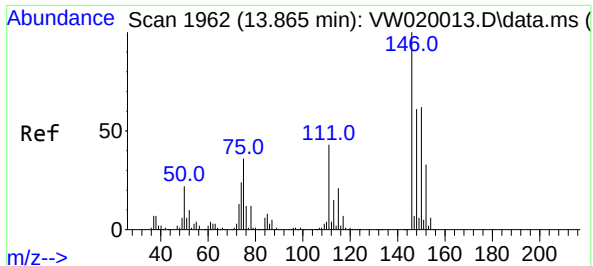
m/z-->

#65

1,4-Dichlorobenzene  
Concen: 24.435 ug/L  
RT: 13.578 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion:146 Resp: 214474  
Ion Ratio Lower Upper  
146 100  
111 42.1 28.8 53.4  
148 66.9 46.8 87.0

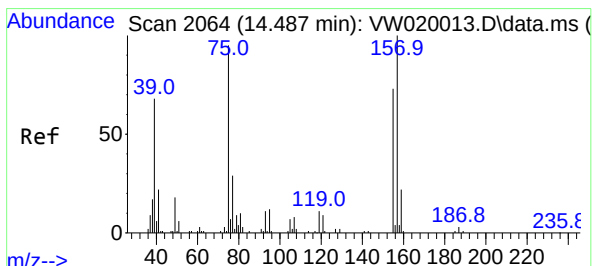
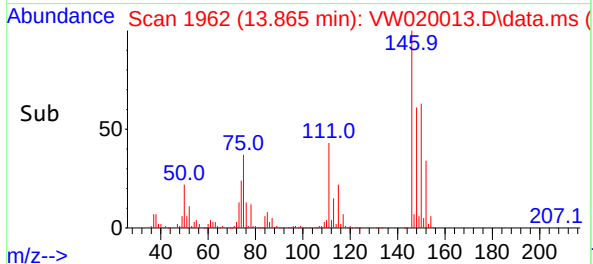
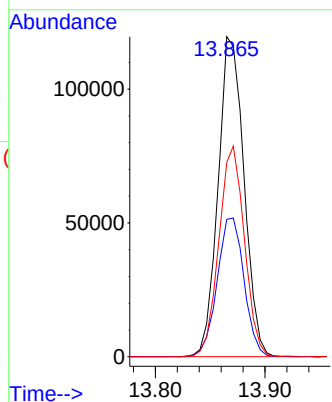
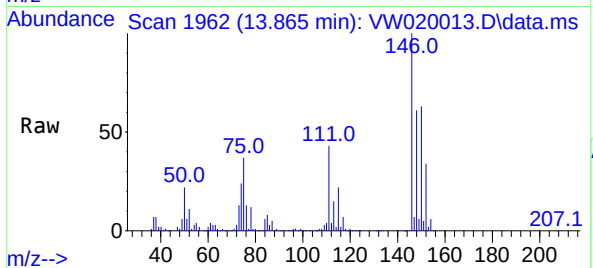




#67  
1,2-Dichlorobenzene  
Concen: 25.185 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

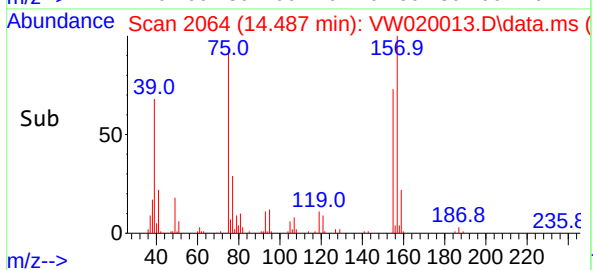
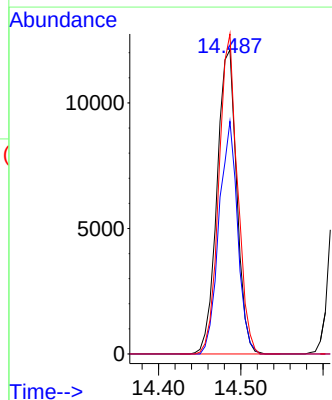
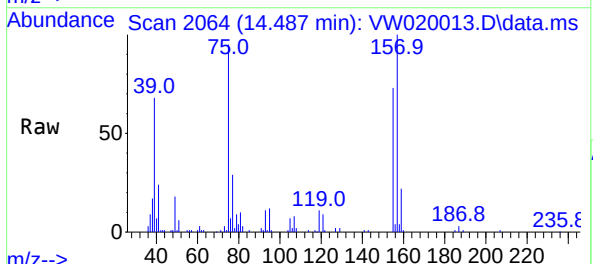
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

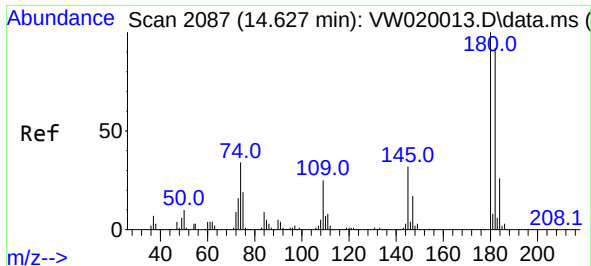
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 196362 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 42.9  | 33.2  | 49.8   |
| 148      | 60.7  | 50.4  | 75.6   |



#68  
1,2-Dibromo-3-chloropropane  
Concen: 30.924 ug/L  
RT: 14.487 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

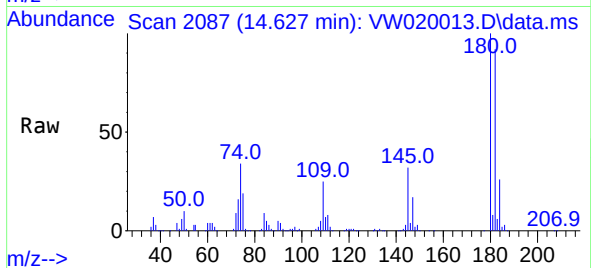
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 20180 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 76.5  | 59.4  | 89.0  |
| 157      | 105.2 | 72.2  | 108.2 |





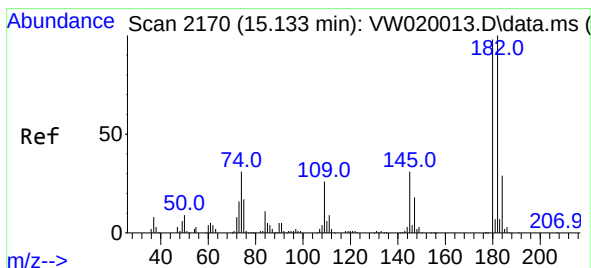
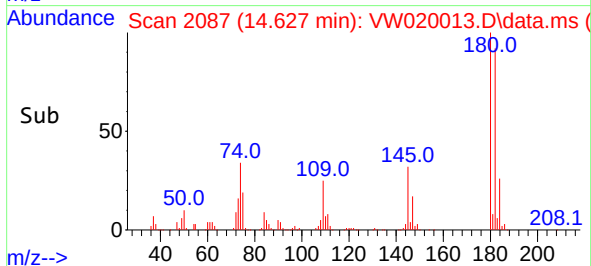
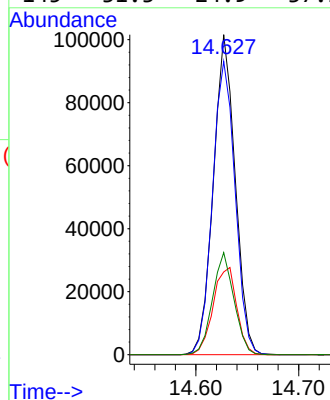
#69  
1,3,5-Trichlorobenzene  
Concen: 25.451 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

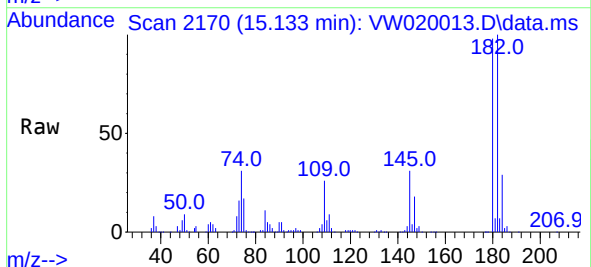


Tgt Ion:180 Resp: 150312

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.4  | 73.4  | 110.2 |
| 184 | 29.5  | 23.6  | 35.4  |
| 145 | 31.3  | 24.9  | 37.3  |

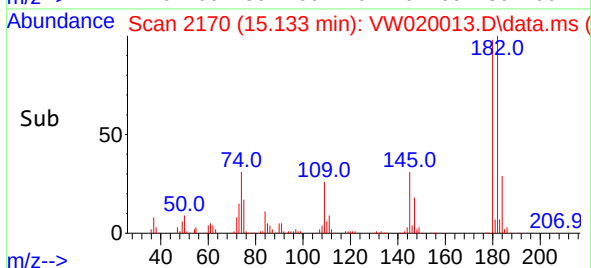
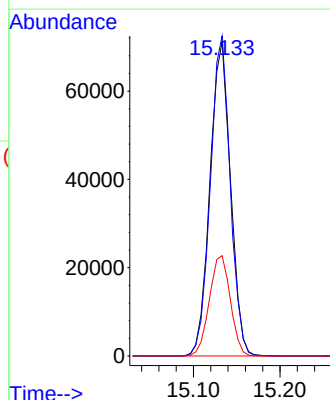


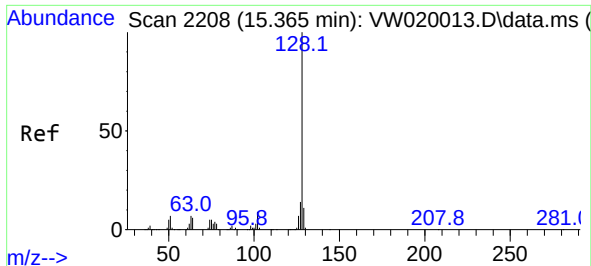
#70  
1,2,4-trichlorobenzene  
Concen: 25.604 ug/L  
RT: 15.133 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09



Tgt Ion:180 Resp: 117243

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 98.4  | 74.7  | 112.1 |
| 145 | 32.6  | 25.0  | 37.4  |

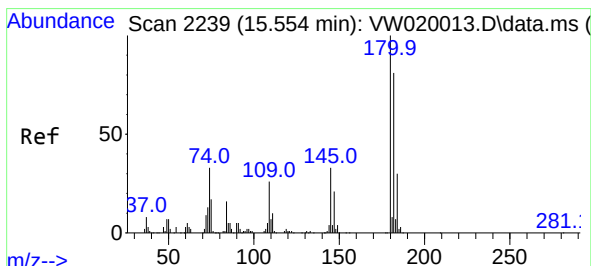
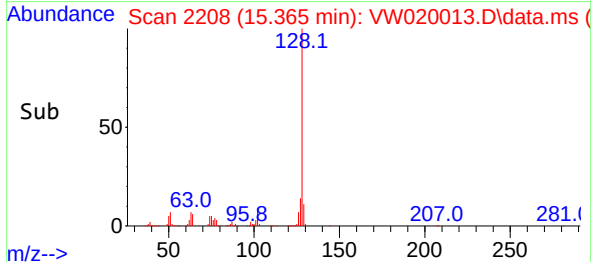
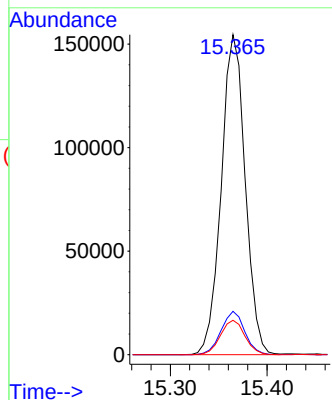
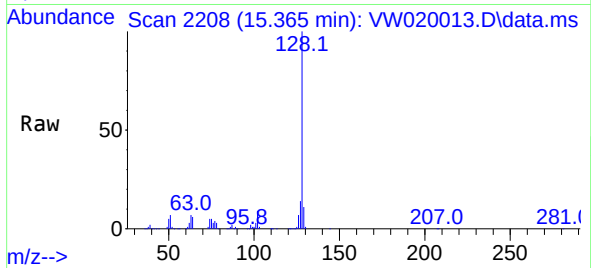




#71  
Naphthalene  
Concen: 28.538 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025446

Tgt Ion:128 Resp: 265534  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.6 15.8  
129 11.0 9.0 13.6



#72  
1,2,3-Trichlorobenzene  
Concen: 26.719 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW020013.D  
Acq: 14 Sep 2021 15:09

Tgt Ion:180 Resp: 113422  
Ion Ratio Lower Upper  
180 100  
182 90.2 76.7 115.1  
145 32.7 28.9 43.3

