

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062821\  
 Data File : VW019342.D  
 Acq On : 28 Jun 2021 11:18  
 Operator : SY/VA  
 Sample : VSTD00502  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD005102

Quant Time: Jun 28 12:15:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jun 28 12:14:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114  | 505494   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117  | 460398   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152  | 235131   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65   | 33703    | 5.123  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.898  | 69   | 25716    | 4.615  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.032  | 63   | 67982    | 5.156  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.080  | 46   | 17653    | 10.284 | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.653  | 84   | 71790    | 5.336  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 38022    | 5.099  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.281  | 84   | 145185   | 5.484  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67   | 43932    | 5.480  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.323 | 98   | 129544   | 5.330  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 17079    | 5.018  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.927 | 63   | 13516    | 10.124 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84   | 34064    | 5.264  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 44012    | 5.351  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014  | 85   | 27008    | 4.250  | ug/L   | 99       |
| 3) Chloromethane              | 2.215  | 50   | 29154    | 4.854  | ug/L   | 97       |
| 5) Vinyl chloride             | 2.367  | 62   | 42907    | 4.773  | ug/L   | 96       |
| 6) Bromomethane               | 2.788  | 94   | 24397    | 3.789  | ug/L   | 95       |
| 8) Chloroethane               | 2.928  | 64   | 23650    | 4.475  | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 3.263  | 101  | 20988    | 4.263  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101  | 34095    | 4.816  | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.050  | 96   | 33042    | 4.736  | ug/L   | 93       |
| 13) Acetone                   | 4.129  | 43   | 11745    | 8.200  | ug/L   | 91       |
| 14) Carbon disulfide          | 4.391  | 76   | 101979   | 4.610  | ug/L   | 97       |
| 15) Methyl Acetate            | 4.678  | 43   | 14390    | 4.763  | ug/L   | 98       |
| 16) Methylene chloride        | 4.928  | 84   | 50548    | 5.509  | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96   | 36096    | 4.769  | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73   | 43590    | 4.548  | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 6.220  | 63   | 64058    | 4.767  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.177  | 96   | 37119    | 4.718  | ug/L   | 98       |
| 22) 2-Butanone                | 7.177  | 43   | 18300    | 9.248  | ug/L   | 95       |
| 23) Bromochloromethane        | 7.519  | 128  | 16649    | 4.823  | ug/L   | 97       |
| 25) Chloroform                | 7.677  | 83   | 65404    | 4.813  | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 41655    | 4.584  | ug/L # | 94       |
| 29) Cyclohexane               | 7.958  | 56   | 57903    | 4.827  | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 48288    | 4.667  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 44214    | 4.594  | ug/L   | 98       |
| 33) Benzene                   | 8.330  | 78   | 150137   | 4.997  | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 37912    | 4.880  | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.335  | 83   | 65456    | 4.847  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 36724    | 4.992  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 44297    | 4.695  | ug/L   | 91       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 51463    | 4.551  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 37200    | 8.662  | ug/L   | 97       |
| 42) Toluene                   | 10.390 | 91   | 155667   | 4.850  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 44290    | 4.470  | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062821\  
 Data File : VW019342.D  
 Acq On : 28 Jun 2021 11:18  
 Operator : SY/VA  
 Sample : VSTD00502  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

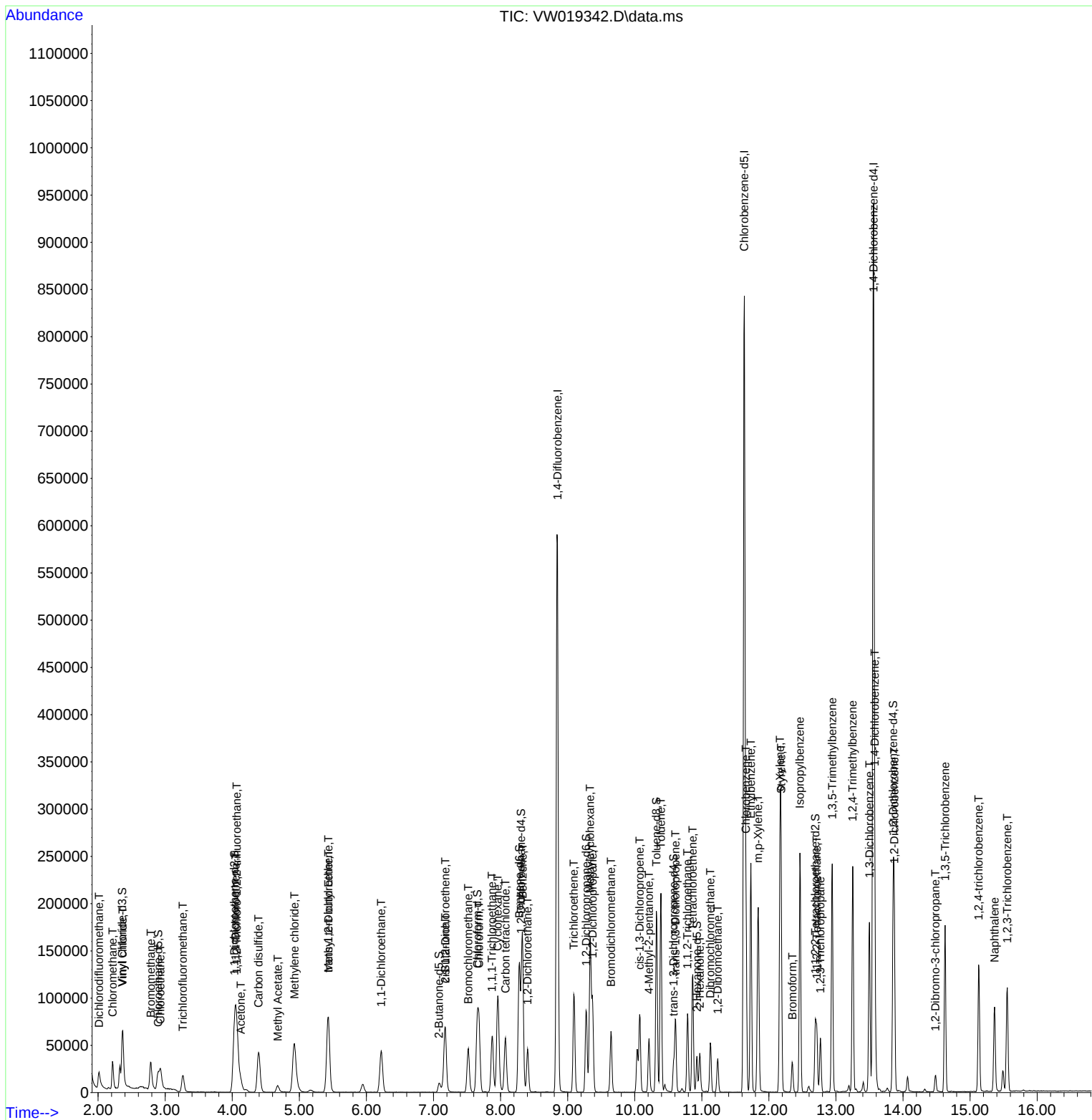
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD005102

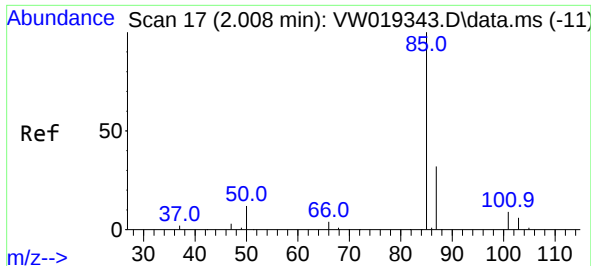
Quant Time: Jun 28 12:15:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jun 28 12:14:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 26346    | 4.827 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.866 | 164  | 29993    | 5.015 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.969 | 43   | 25966    | 9.009 | ug/L   | 94       |
| 49) Dibromochloromethane      | 11.128 | 129  | 27467    | 4.535 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 24270    | 4.599 | ug/L # | 88       |
| 51) Chlorobenzene             | 11.658 | 112  | 96701    | 4.829 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 166558   | 4.716 | ug/L   | 94       |
| 53) m,p-Xylene                | 11.841 | 106  | 63626    | 4.865 | ug/L   | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 59342    | 4.788 | ug/L   | 100      |
| 55) Styrene                   | 12.182 | 104  | 100793   | 4.732 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 31517    | 4.728 | ug/L   | 97       |
| 59) Bromoform                 | 12.353 | 173  | 14961    | 4.261 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 160273   | 4.631 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 23076    | 4.520 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 131273   | 4.618 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 130855   | 4.602 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 73685    | 4.875 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 73214    | 4.739 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 63022    | 4.636 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 5016     | 4.536 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 52701    | 4.854 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 42920    | 4.783 | ug/L   | 100      |
| 71) Naphthalene               | 15.365 | 128  | 77328    | 4.374 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 36140    | 4.557 | ug/L   | 95       |

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

Quant Time: Jun 28 12:15:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062821SMA.M  
Quant Title : SFAM01.0  
QLast Update : Mon Jun 28 12:14:14 2021  
Response via : Initial Calibration

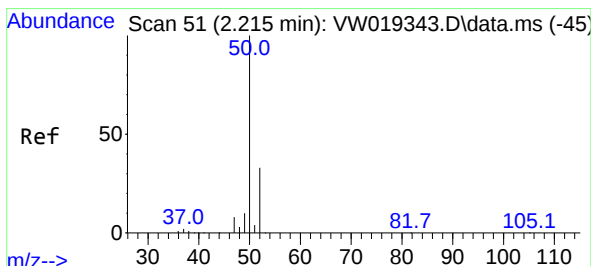
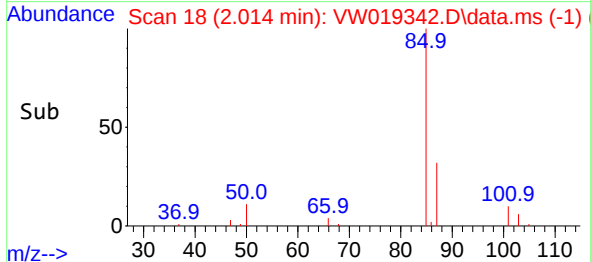
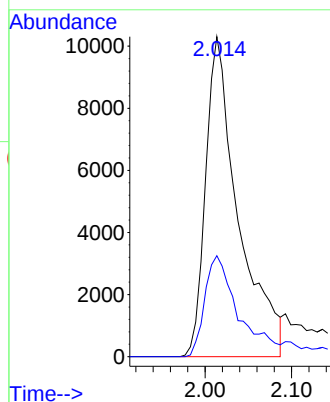
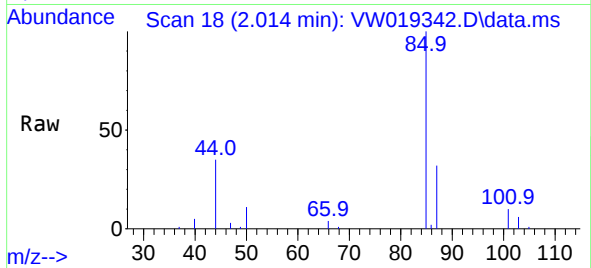




#2  
Dichlorodifluoromethane  
Concen: 4.250 ug/L  
RT: 2.014 min Scan# 18  
Delta R.T. 0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

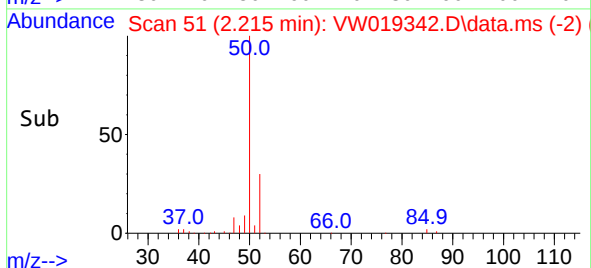
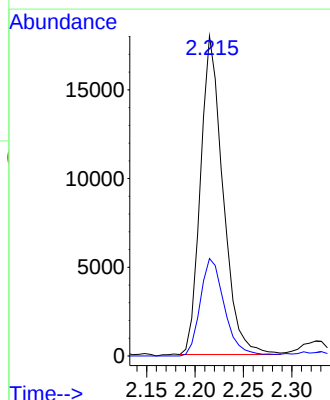
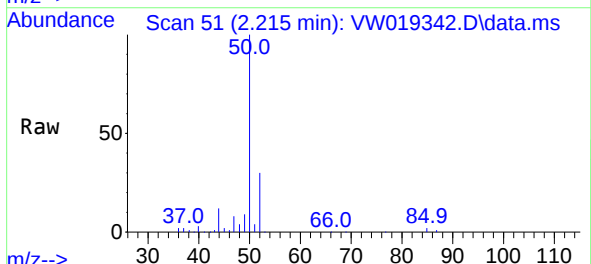
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

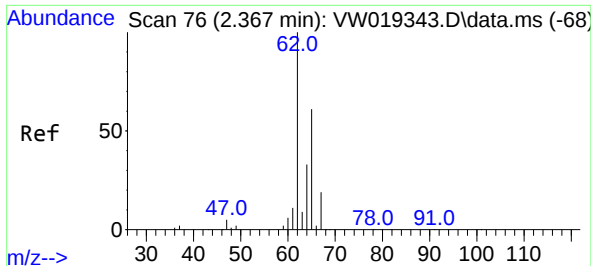
Tgt Ion: 85 Resp: 27008  
Ion Ratio Lower Upper  
85 100  
87 28.8 23.3 34.9



#3  
Chloromethane  
Concen: 4.854 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 50 Resp: 29154  
Ion Ratio Lower Upper  
50 100  
52 30.4 22.5 41.9

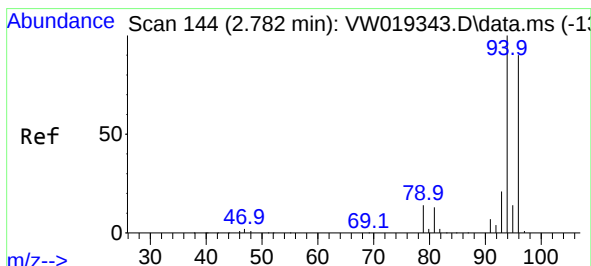
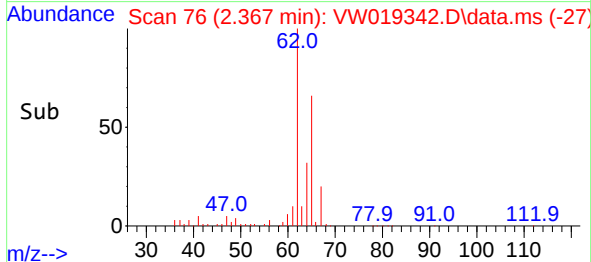
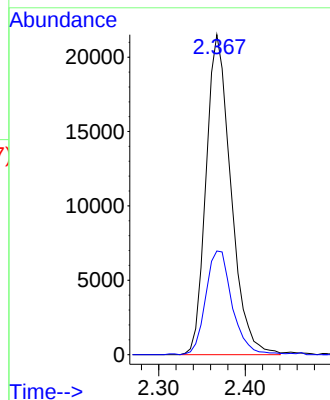
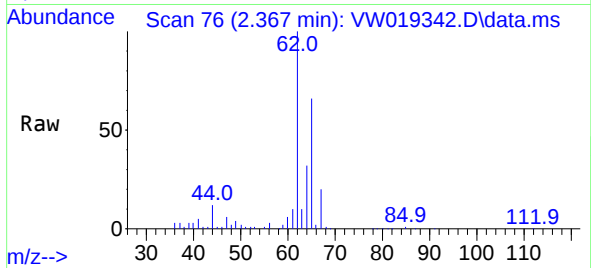




#5  
 Vinyl chloride  
 Concen: 4.773 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VW019342.D  
 Acq: 28 Jun 2021 11:18

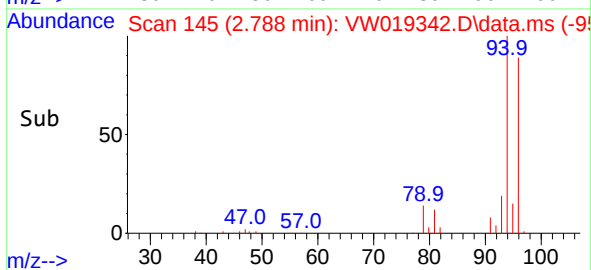
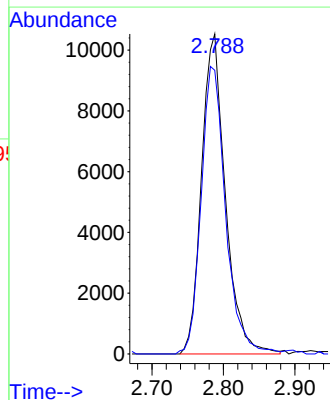
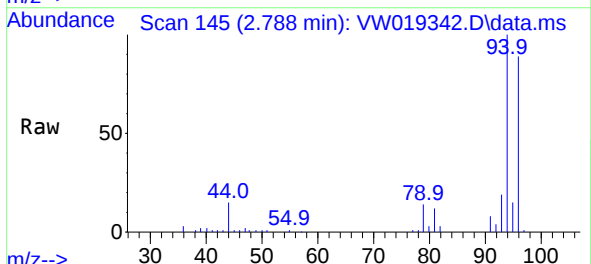
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTD005102

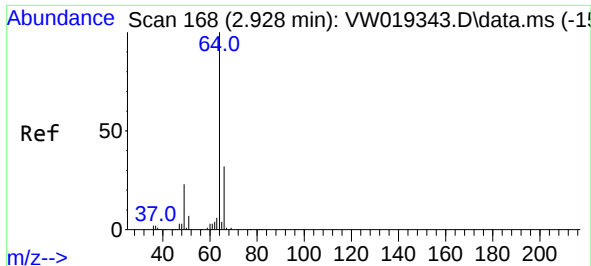
Tgt Ion: 62 Resp: 42907  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 24.2 45.0



#6  
 Bromomethane  
 Concen: 3.789 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. 0.006 min  
 Lab File: VW019342.D  
 Acq: 28 Jun 2021 11:18

Tgt Ion: 94 Resp: 24397  
 Ion Ratio Lower Upper  
 94 100  
 96 88.7 65.3 121.3

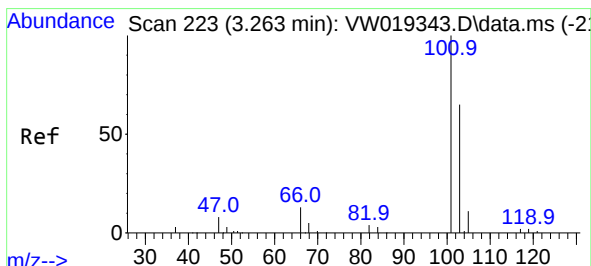
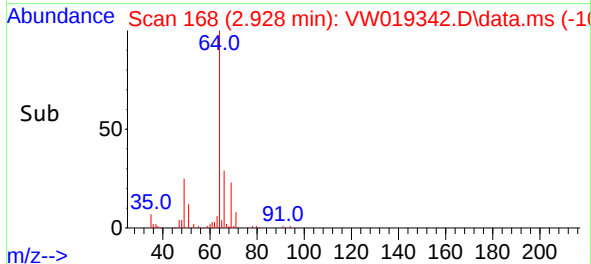
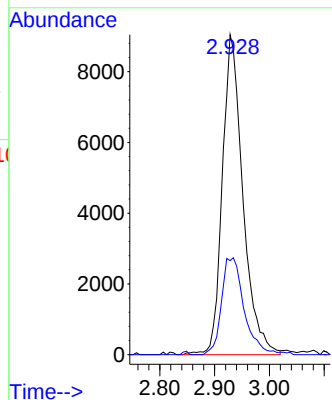
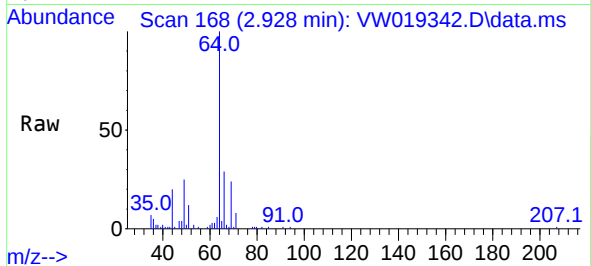




#8  
Chloroethane  
Concen: 4.475 ug/L  
RT: 2.928 min Scan# 168  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

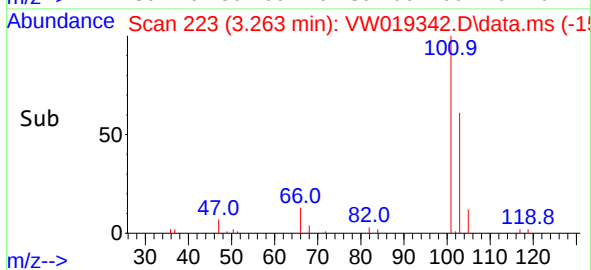
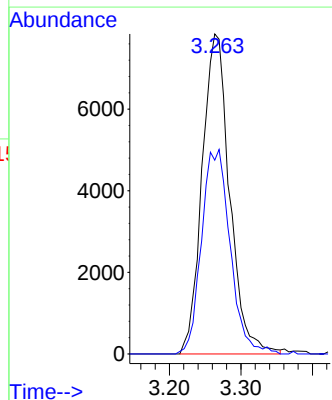
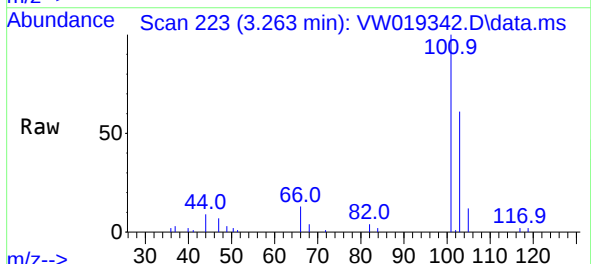
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

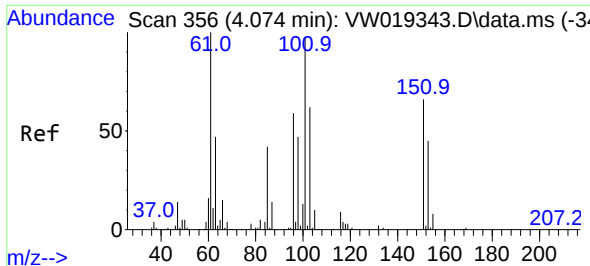
Tgt Ion: 64 Resp: 23650  
Ion Ratio Lower Upper  
64 100  
66 29.4 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 4.263 ug/L  
RT: 3.263 min Scan# 223  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 101 Resp: 20988  
Ion Ratio Lower Upper  
101 100  
103 65.9 51.0 76.4

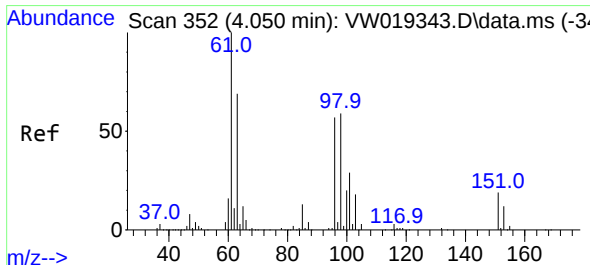
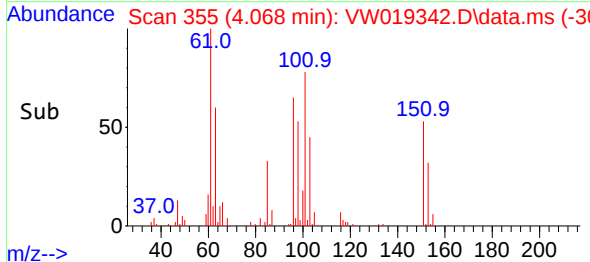
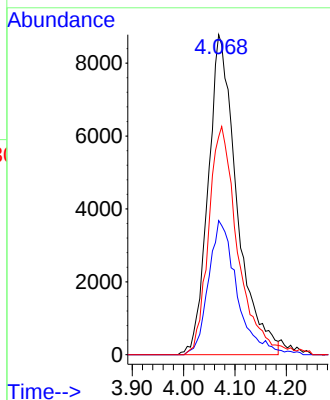
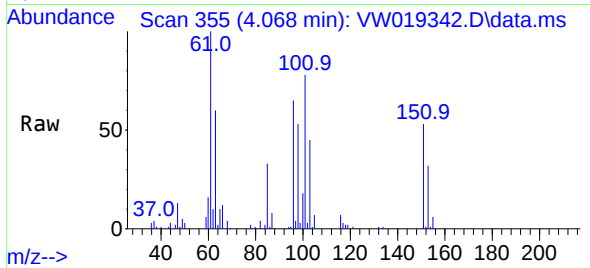




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.816 ug/L  
RT: 4.068 min Scan# 355  
Delta R.T. -0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

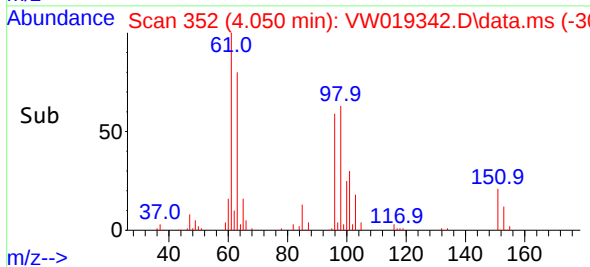
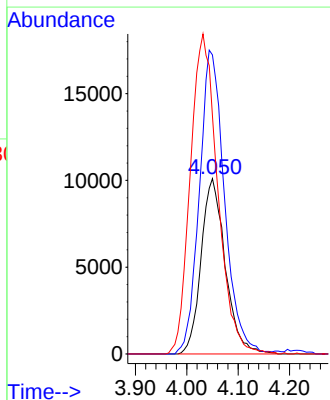
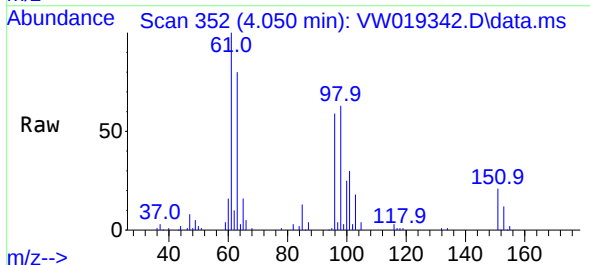
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

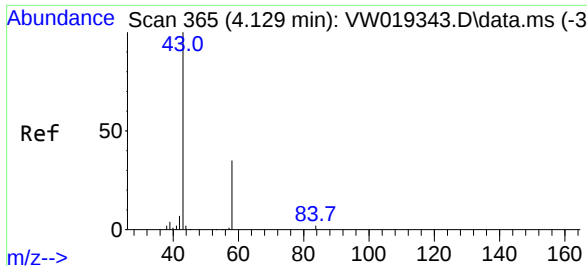
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Ion Ratio Lower Upper  
101 100  
85 40.1 38.2 57.2  
151 71.0 56.6 85.0



#12  
1,1-Dichloroethene  
Concen: 4.736 ug/L  
RT: 4.050 min Scan# 352  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 96 Resp: 33042  
Ion Ratio Lower Upper  
96 100  
61 170.5 118.1 219.3  
63 135.8 83.7 155.5

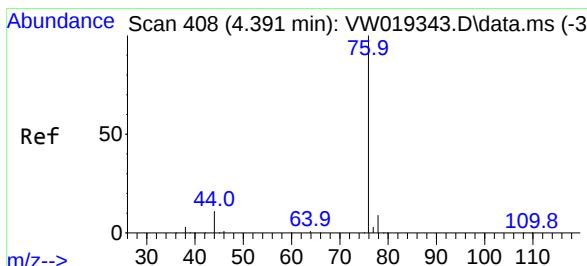
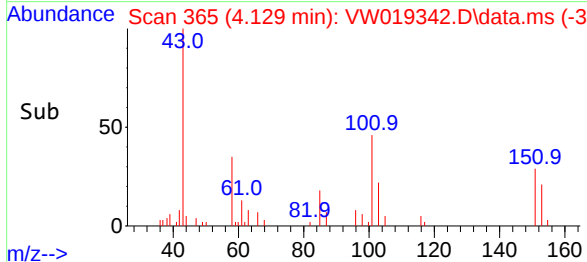
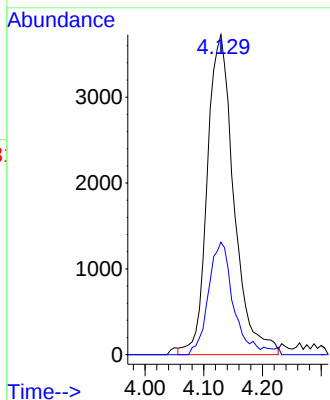
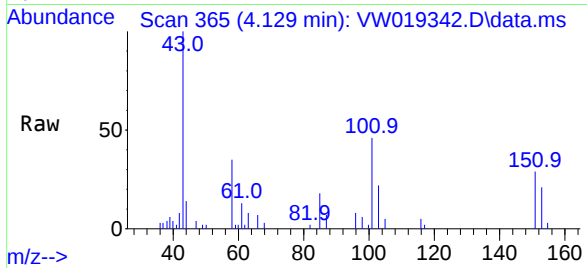




#13  
Acetone  
Concen: 8.200 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

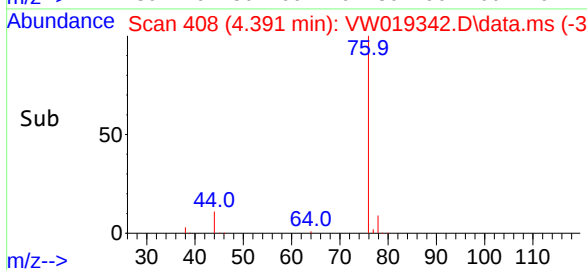
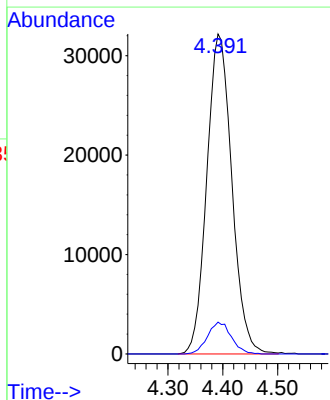
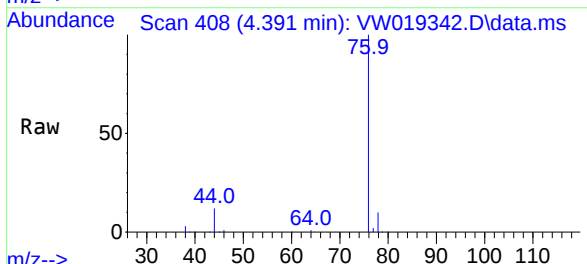
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MSVOA\_W  
ClientSampled :  
VSTD005102

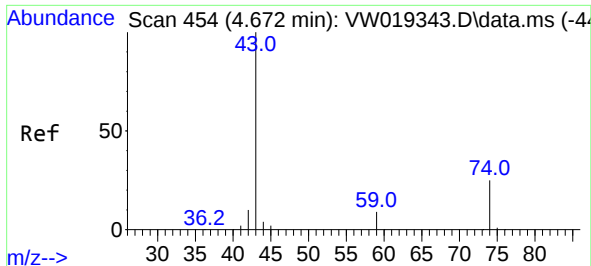
Tgt Ion: 43 Resp: 11745  
Ion Ratio Lower Upper  
43 100  
58 31.4 0.0 53.8



#14  
Carbon disulfide  
Concen: 4.610 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 76 Resp: 101979  
Ion Ratio Lower Upper  
76 100  
78 10.2 7.4 11.0

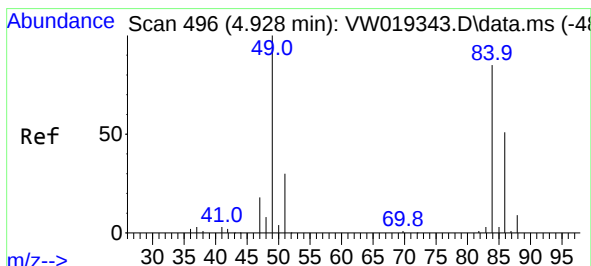
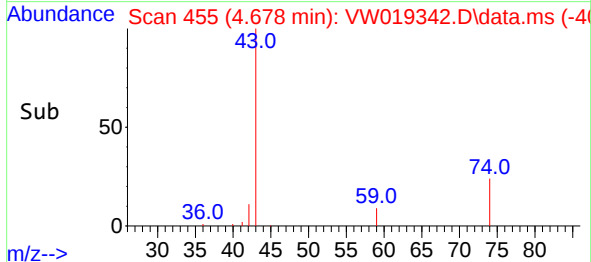
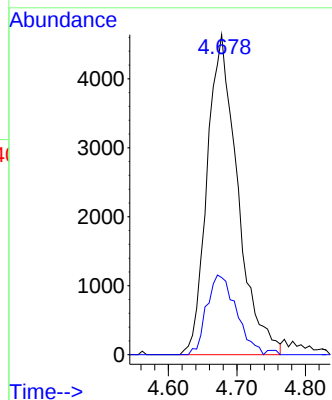
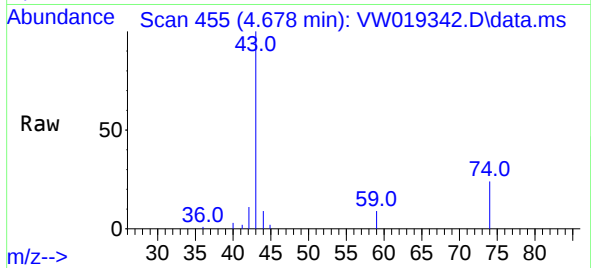




#15  
Methyl Acetate  
Concen: 4.763 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. 0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

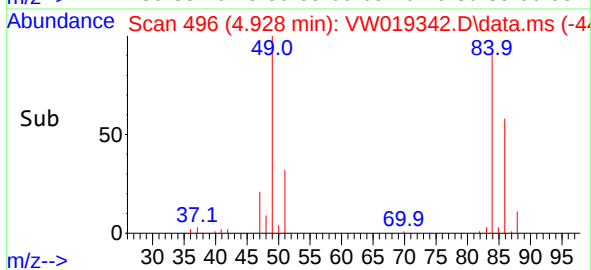
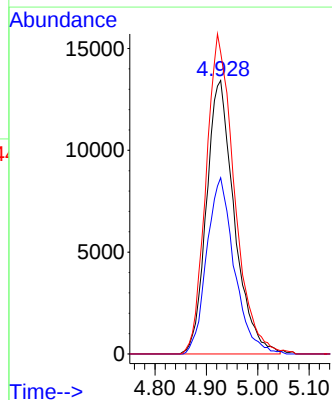
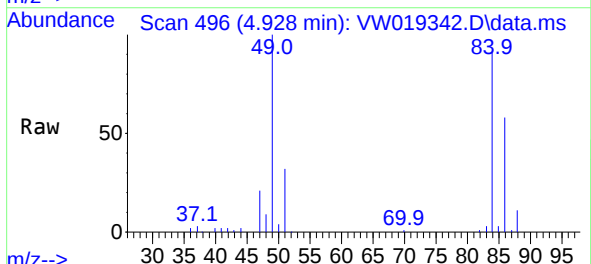
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

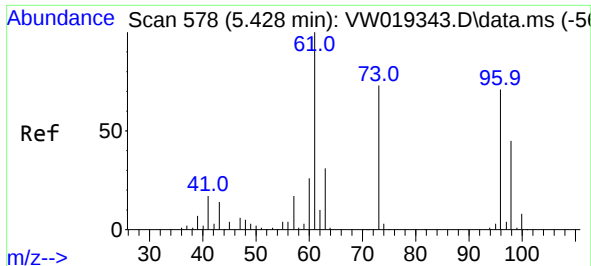
Tgt Ion: 43 Resp: 14390  
Ion Ratio Lower Upper  
43 100  
74 24.1 20.0 30.0



#16  
Methylene chloride  
Concen: 5.509 ug/L  
RT: 4.928 min Scan# 496  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 84 Resp: 50548  
Ion Ratio Lower Upper  
84 100  
86 64.4 45.3 84.1  
49 110.2 86.6 160.8

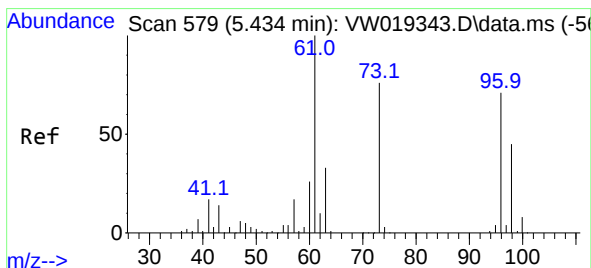
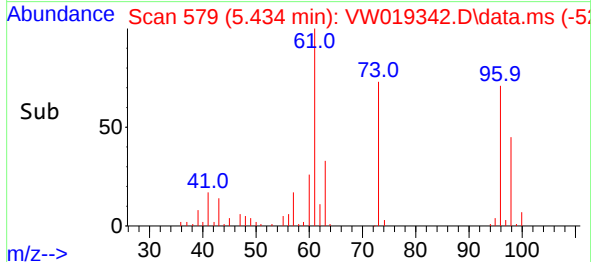
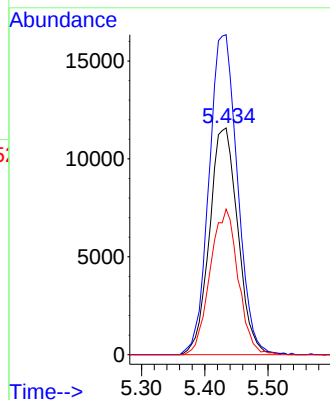
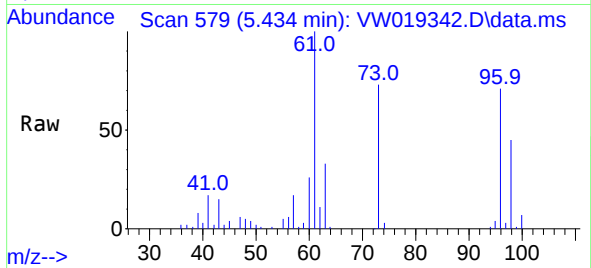




#17  
trans-1,2-Dichloroethene  
Concen: 4.769 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

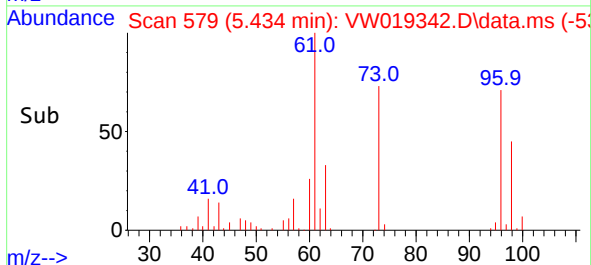
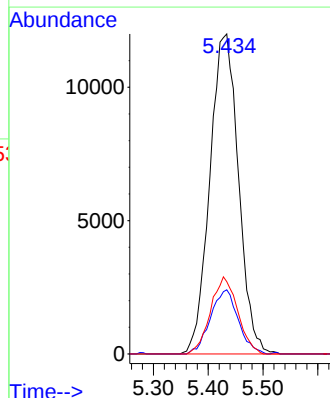
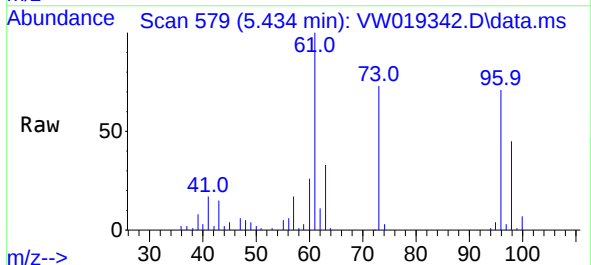
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

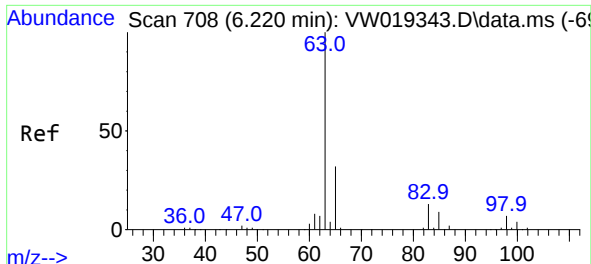
Tgt Ion: 96 Resp: 36096  
Ion Ratio Lower Upper  
96 100  
61 141.1 98.3 182.7  
98 64.2 46.1 85.7



#18  
Methyl tert-butyl Ether  
Concen: 4.548 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 73 Resp: 43590  
Ion Ratio Lower Upper  
73 100  
43 19.4 17.7 26.5  
57 22.8 17.0 25.4





#19

1,1-Dichloroethane

Concen: 4.767 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW019342.D

Acq: 28 Jun 2021 11:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTD005102

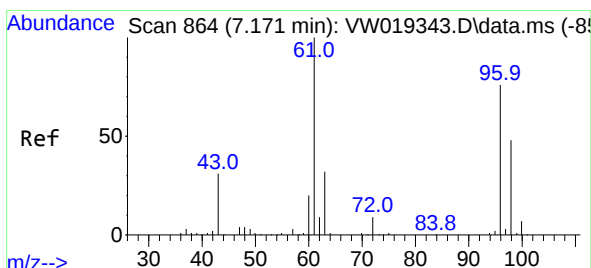
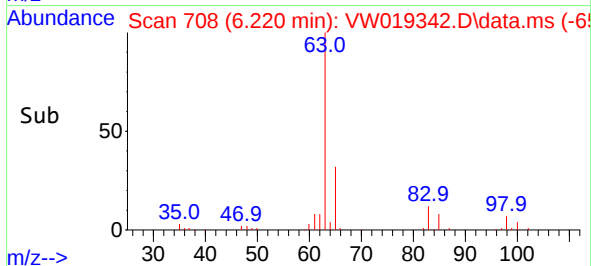
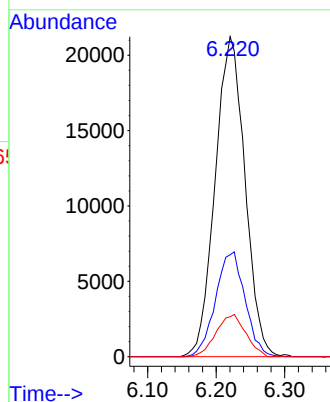
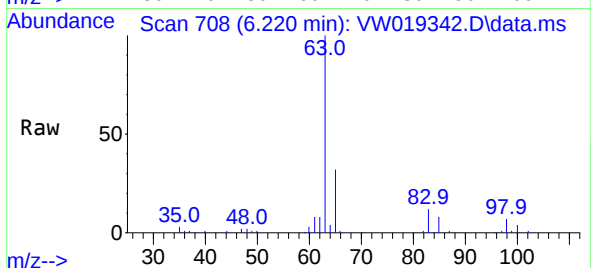
Tgt Ion: 63 Resp: 64058

Ion Ratio Lower Upper

63 100

65 31.9 22.9 42.5

83 12.4 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 4.718 ug/L

RT: 7.177 min Scan# 865

Delta R.T. 0.006 min

Lab File: VW019342.D

Acq: 28 Jun 2021 11:18

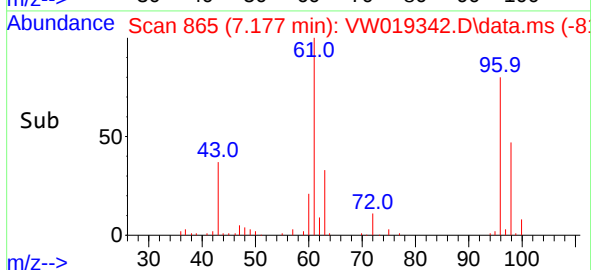
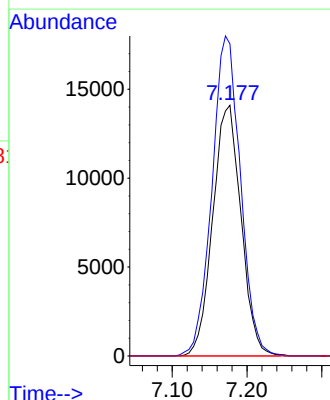
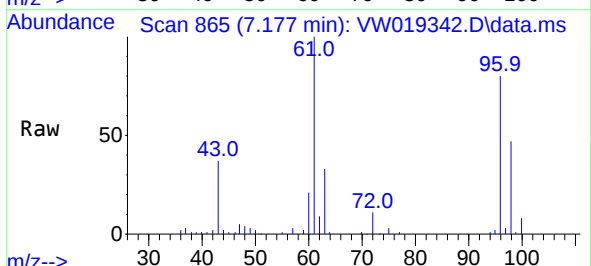
Tgt Ion: 96 Resp: 37119

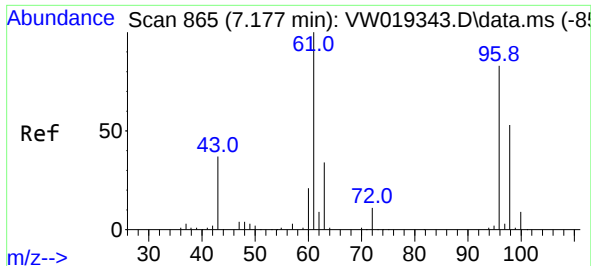
Ion Ratio Lower Upper

96 100

61 124.4 88.5 164.3

68 0.0 0.0 0.0

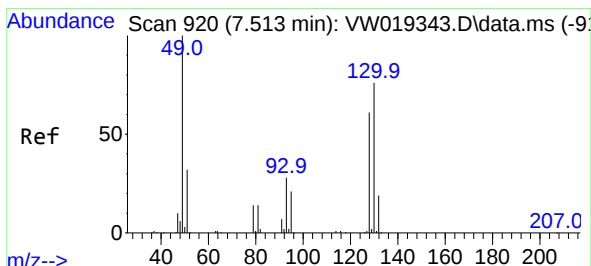
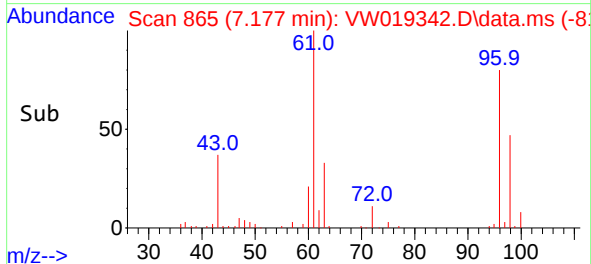
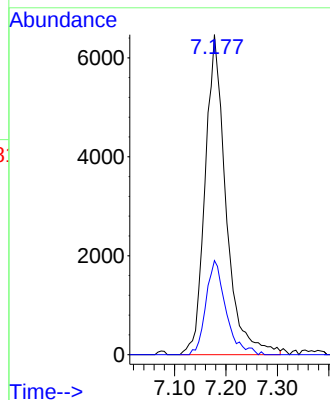
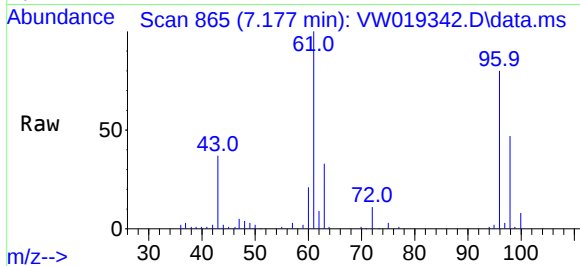




#22  
2-Butanone  
Concen: 9.248 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

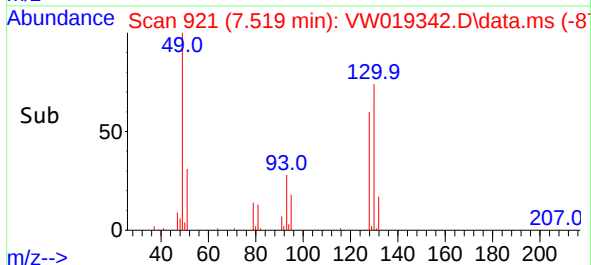
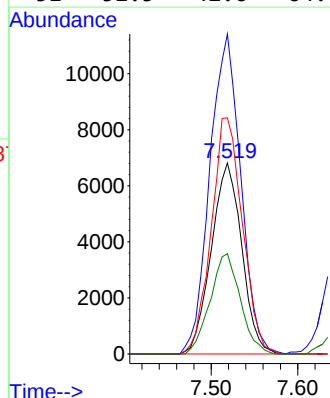
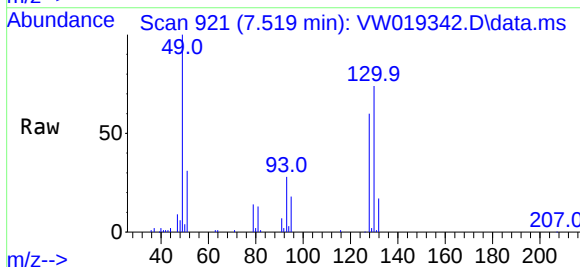
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

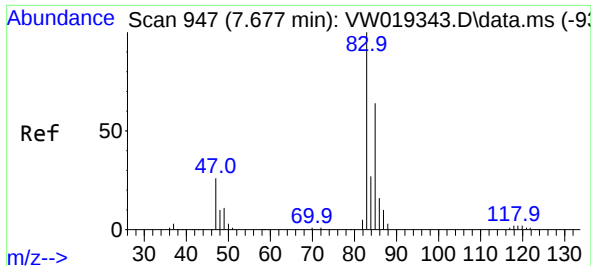
Tgt Ion: 43 Resp: 18300  
Ion Ratio Lower Upper  
43 100  
72 27.3 14.9 44.7



#23  
Bromochloromethane  
Concen: 4.823 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 128 Resp: 16649  
Ion Ratio Lower Upper  
128 100  
49 167.5 116.3 215.9  
130 123.6 82.4 153.0  
51 52.5 42.6 64.0





#25

Chloroform

Concen: 4.813 ug/L

RT: 7.677 min Scan# 947

Delta R.T. -0.000 min

Lab File: VW019342.D

Acq: 28 Jun 2021 11:18

Tgt Ion: 83 Resp: 65404

Ion Ratio Lower Upper

83 100

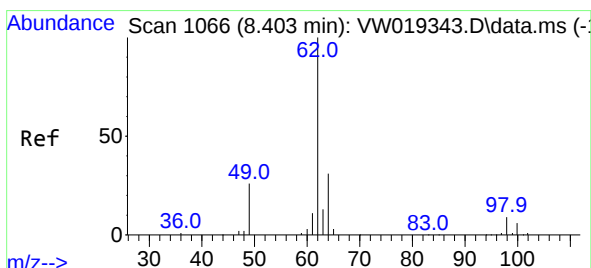
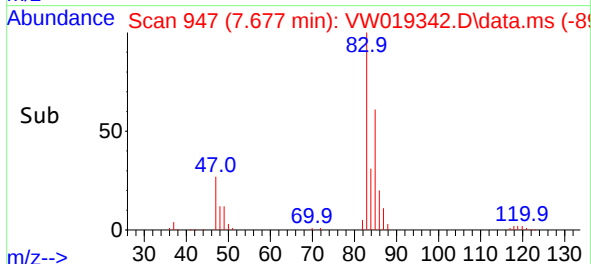
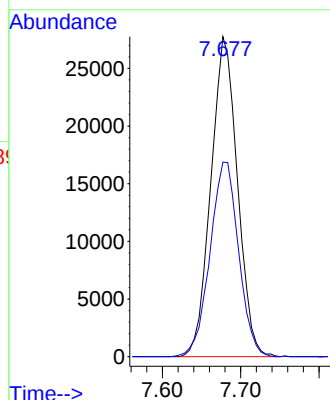
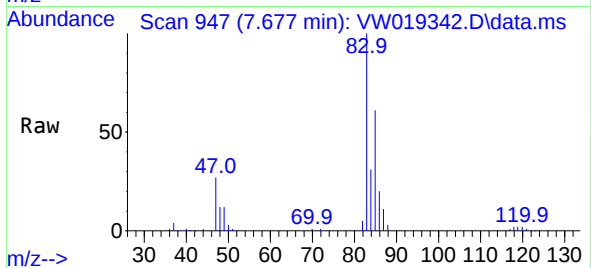
85 60.8 44.6 82.8

Instrument :

MSVOA\_W

ClientSampleId :

VSTD005102



#27

1,2-Dichloroethane

Concen: 4.584 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW019342.D

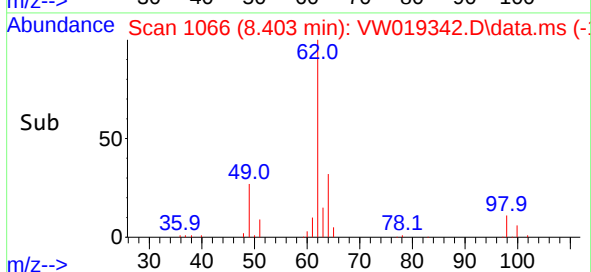
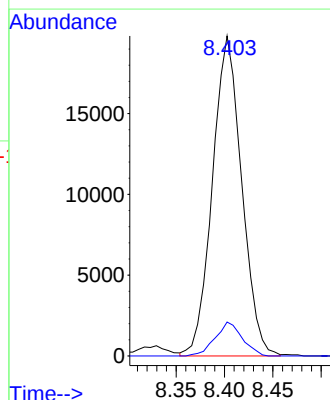
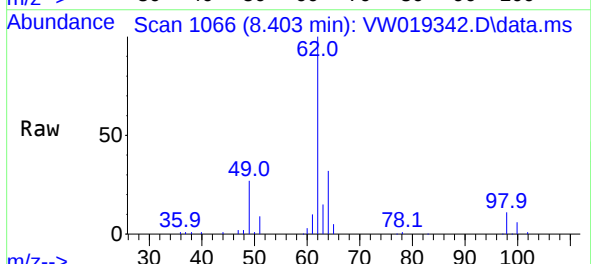
Acq: 28 Jun 2021 11:18

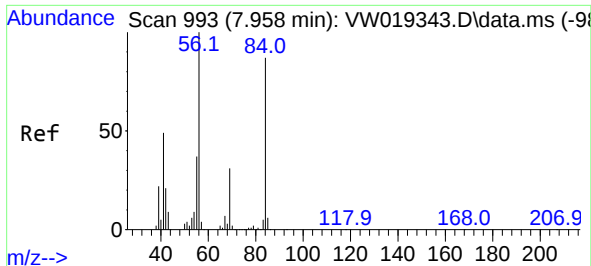
Tgt Ion: 62 Resp: 41655

Ion Ratio Lower Upper

62 100

98 10.6 6.9 10.3#





#29

Cyclohexane

Concen: 4.827 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW019342.D

Acq: 28 Jun 2021 11:18

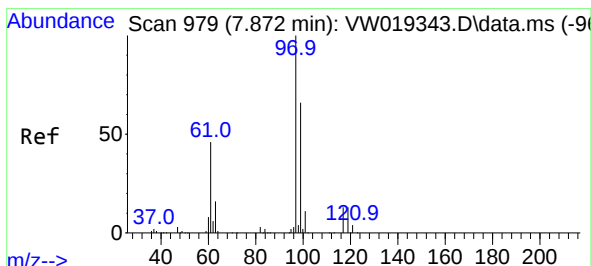
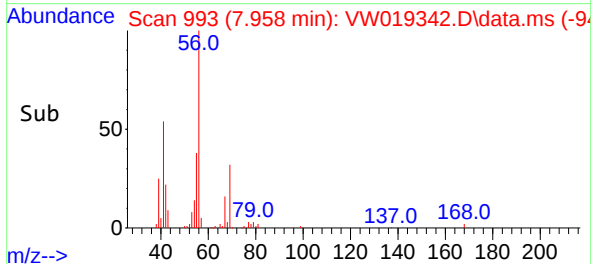
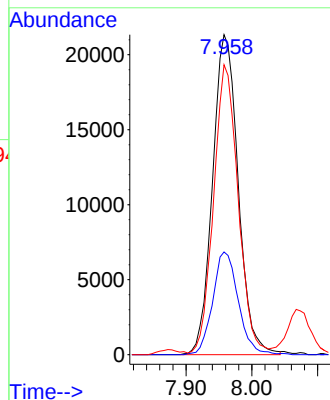
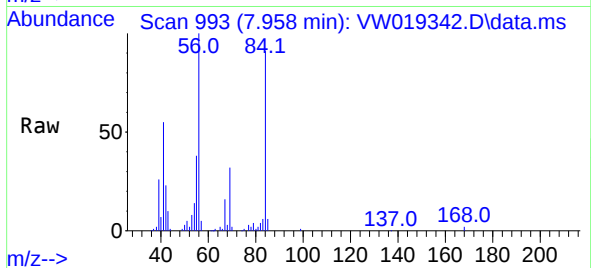
Instrument :

MSVOA\_W

ClientSampleId :

VSTD005102

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 57903 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 31.8  | 24.5  | 36.7  |
| 84       | 87.0  | 75.0  | 112.4 |



#30

1,1,1-Trichloroethane

Concen: 4.667 ug/L

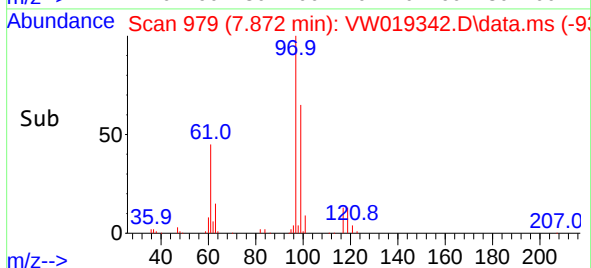
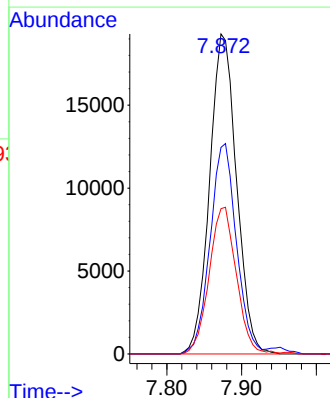
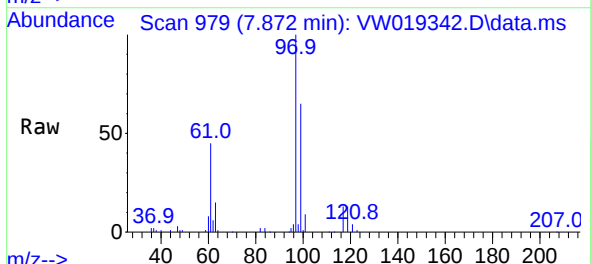
RT: 7.872 min Scan# 979

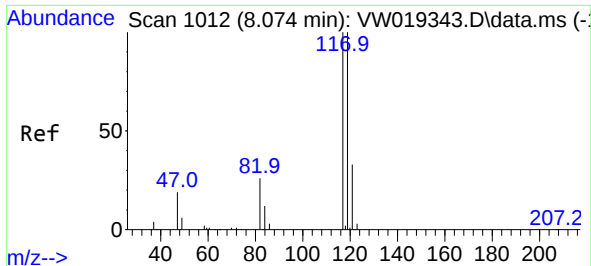
Delta R.T. -0.000 min

Lab File: VW019342.D

Acq: 28 Jun 2021 11:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 48288 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.3  | 51.4  | 77.2  |
| 61       | 46.1  | 37.8  | 56.6  |

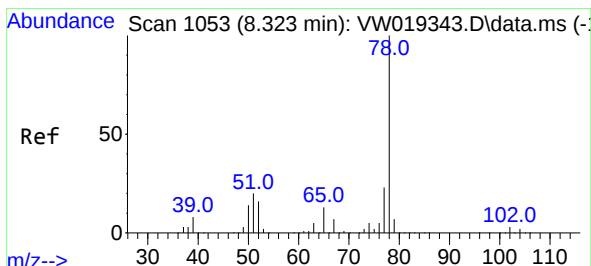
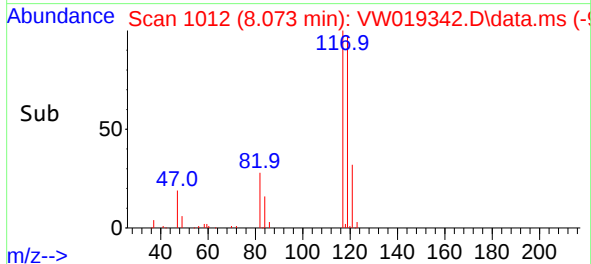
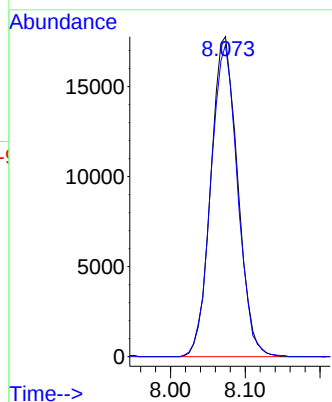
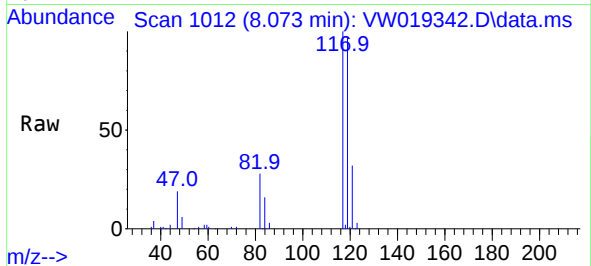




#31  
Carbon tetrachloride  
Concen: 4.594 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

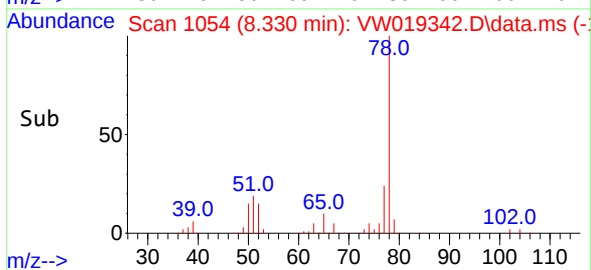
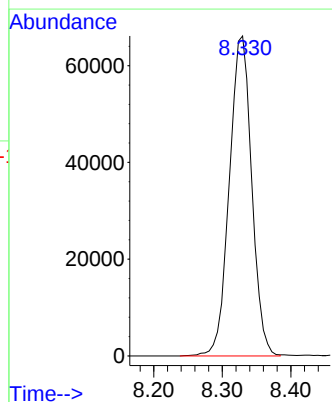
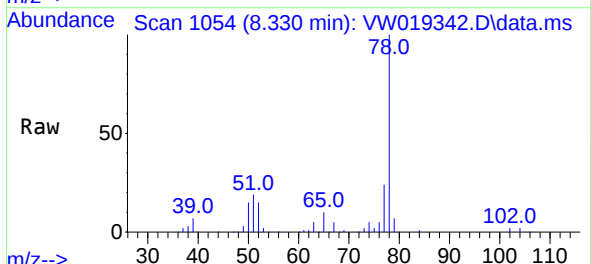
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

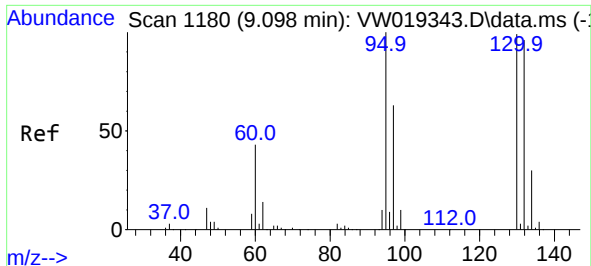
Tgt Ion:117 Resp: 44214  
Ion Ratio Lower Upper  
117 100  
119 97.4 76.5 114.7



#33  
Benzene  
Concen: 4.997 ug/L  
RT: 8.330 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 78 Resp: 150137



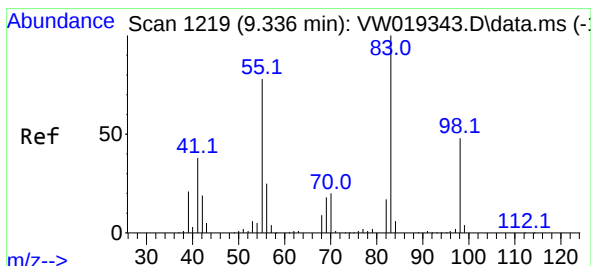
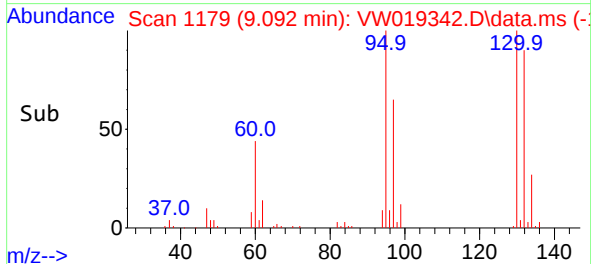
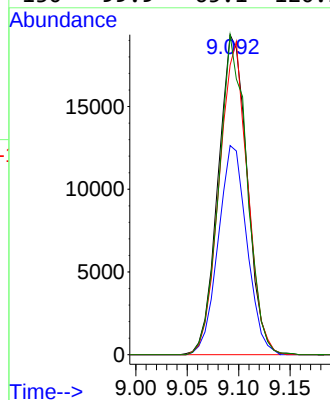
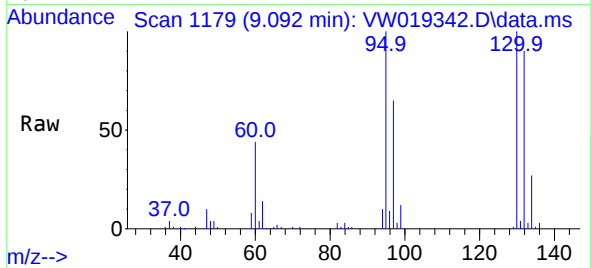


#34  
Trichloroethene  
Concen: 4.880 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

Tgt Ion: 95 Resp: 37912

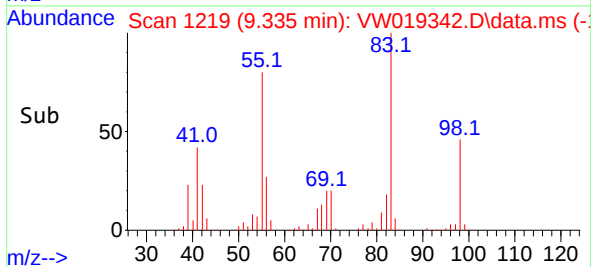
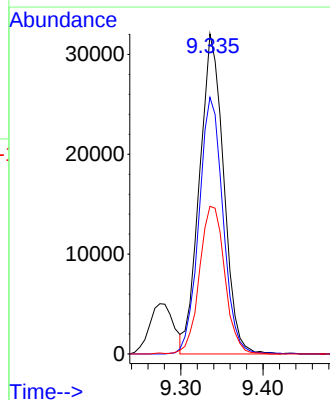
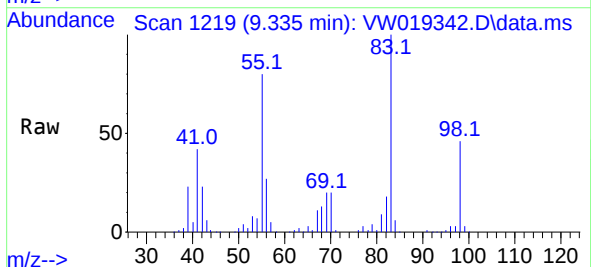
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.4  | 47.3  | 87.8  |
| 132 | 90.5  | 71.0  | 131.8 |
| 130 | 99.9  | 65.1  | 120.9 |

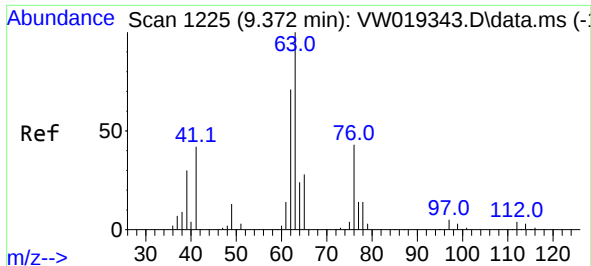


#35  
Methylcyclohexane  
Concen: 4.847 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 83 Resp: 65456

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 79.8  | 58.9  | 88.3  |
| 98  | 48.3  | 40.1  | 60.1  |

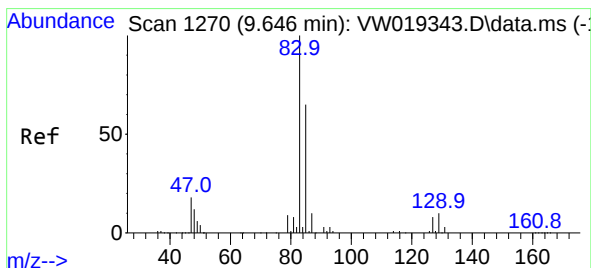
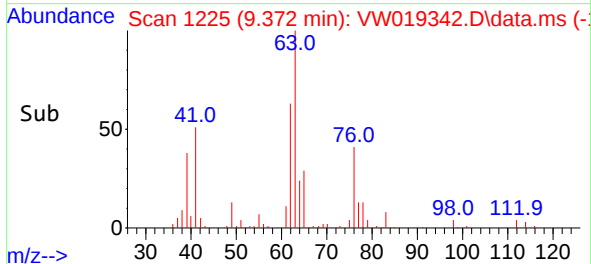
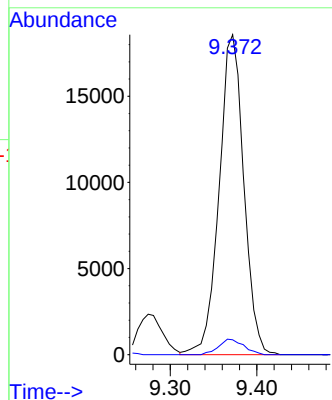
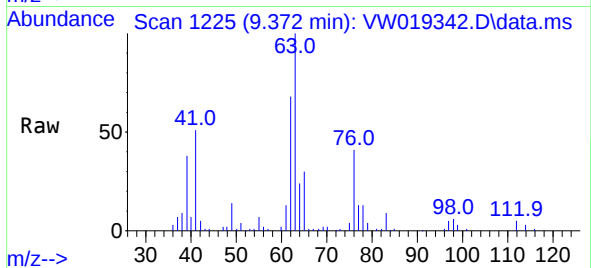




#37  
1,2-Dichloropropane  
Concen: 4.992 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

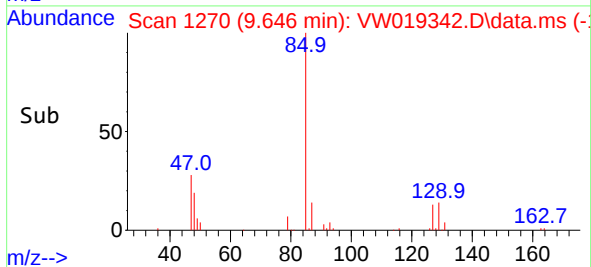
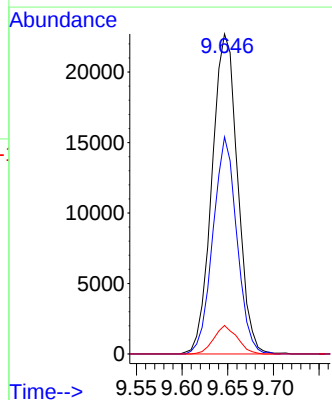
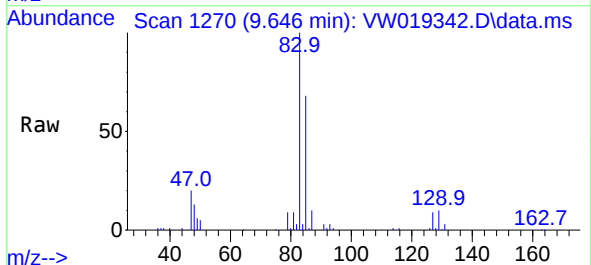
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD005102

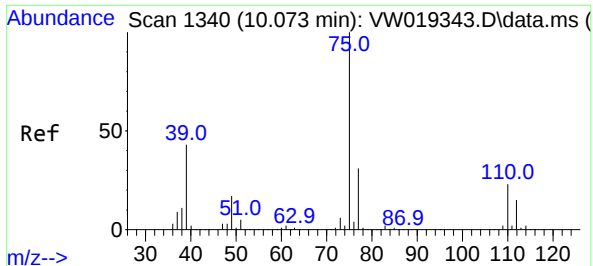
Tgt Ion: 63 Resp: 36724  
Ion Ratio Lower Upper  
63 100  
112 4.9 3.9 5.9



#38  
Bromodichloromethane  
Concen: 4.695 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 83 Resp: 44297  
Ion Ratio Lower Upper  
83 100  
85 67.8 42.3 78.5  
127 8.9 6.6 9.8

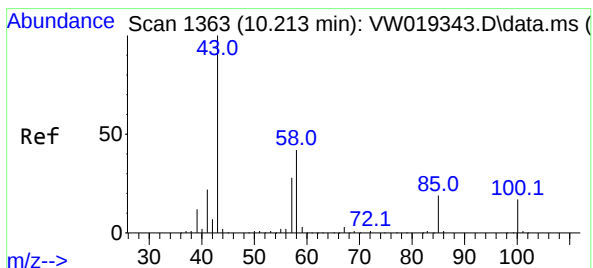
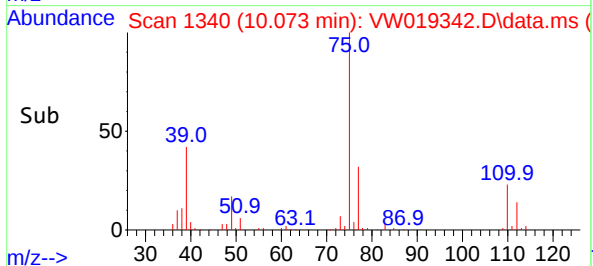
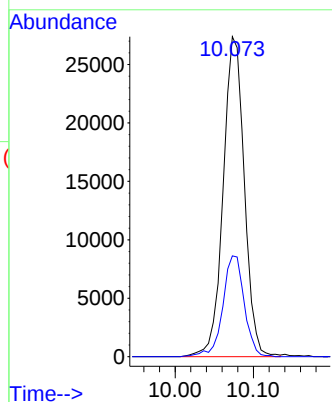
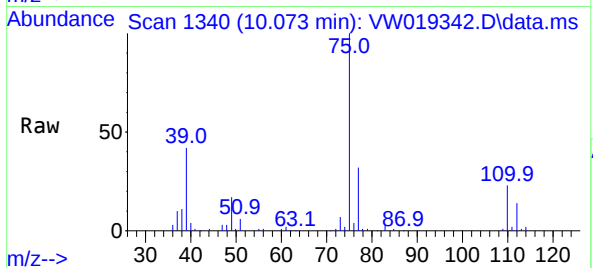




#39  
cis-1,3-Dichloropropene  
Concen: 4.551 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

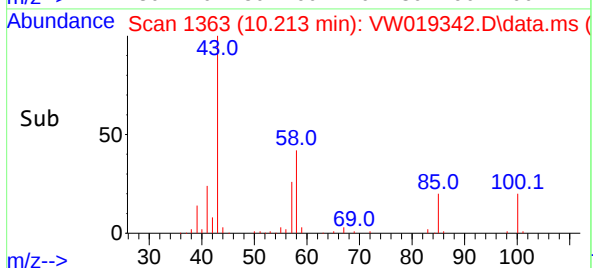
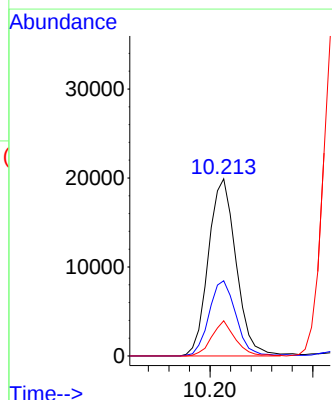
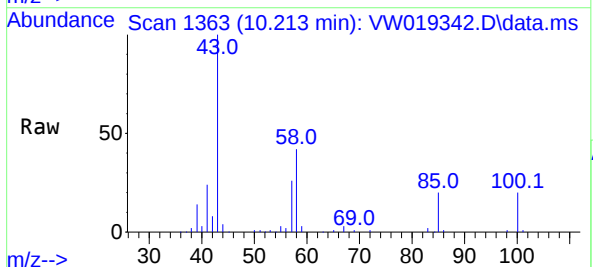
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

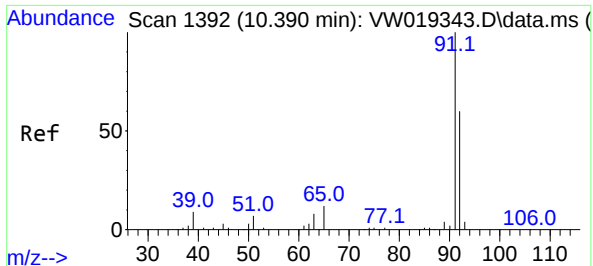
Tgt Ion: 75 Resp: 51463  
Ion Ratio Lower Upper  
75 100  
77 31.5 22.6 42.0



#40  
4-Methyl-2-pentanone  
Concen: 8.662 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 43 Resp: 37200  
Ion Ratio Lower Upper  
43 100  
58 41.2 31.0 46.4  
100 16.9 13.0 19.6

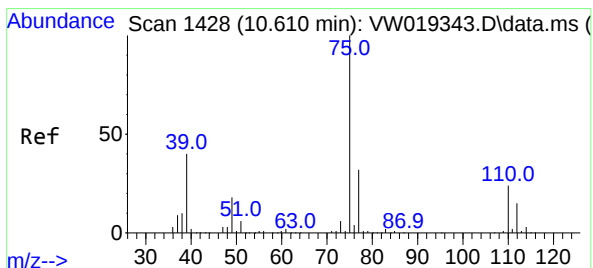
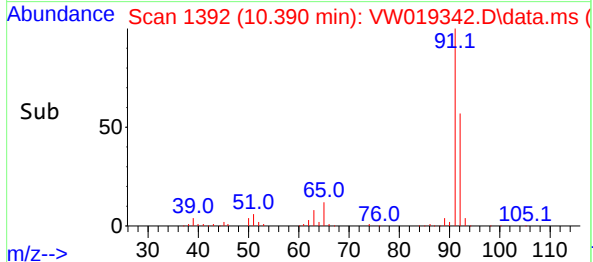
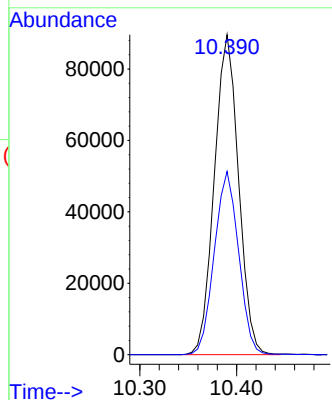
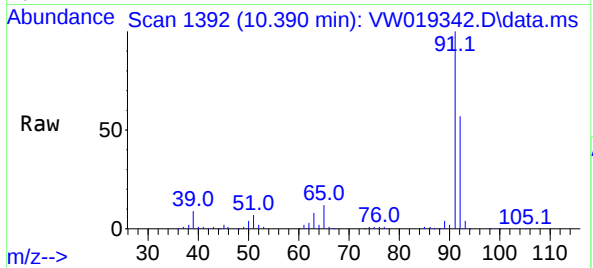




#42  
Toluene  
Concen: 4.850 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

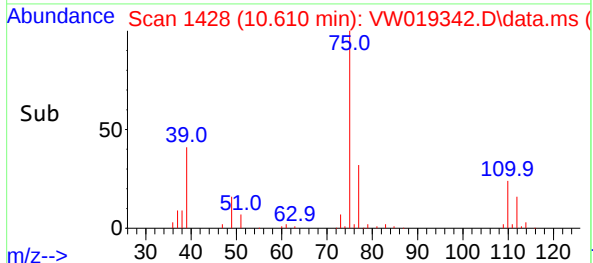
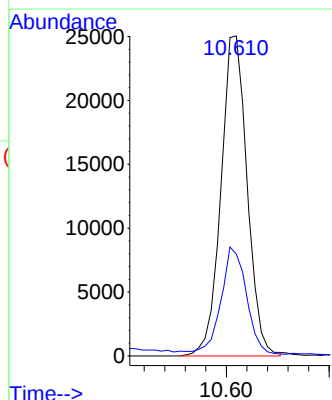
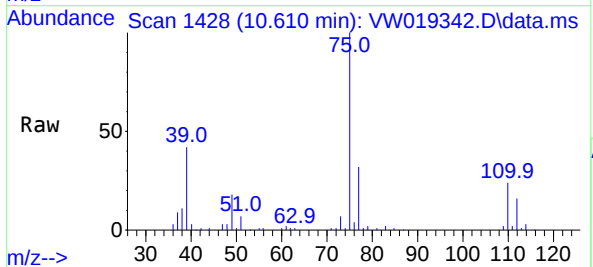
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD005102

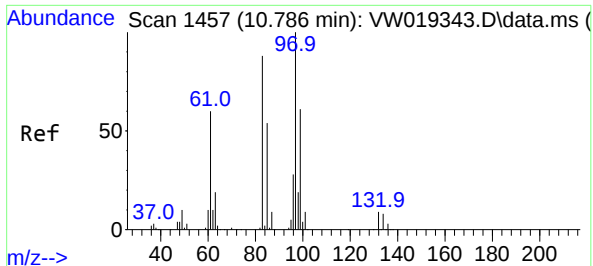
Tgt Ion: 91 Resp: 155667  
Ion Ratio Lower Upper  
91 100  
92 57.2 39.5 73.3



#44  
trans-1,3-Dichloropropene  
Concen: 4.470 ug/L  
RT: 10.610 min Scan# 1428  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 75 Resp: 44290  
Ion Ratio Lower Upper  
75 100  
77 31.8 21.1 39.1

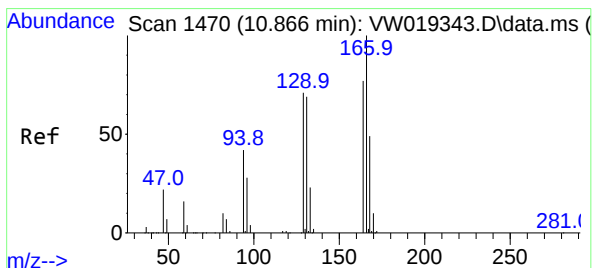
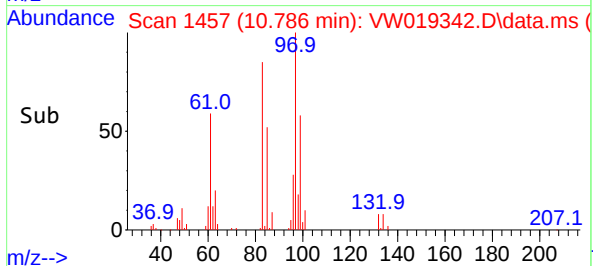
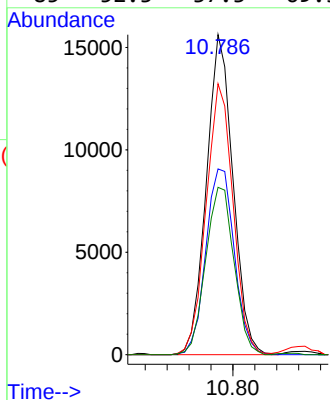
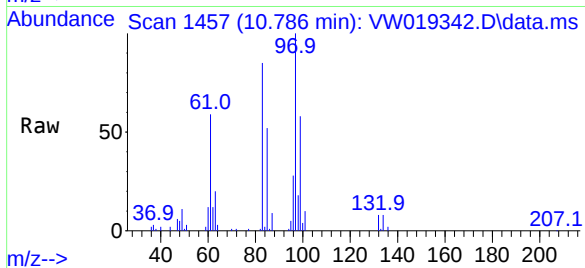




#45  
1,1,2-Trichloroethane  
Concen: 4.827 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

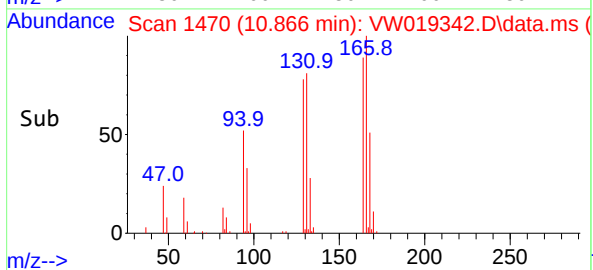
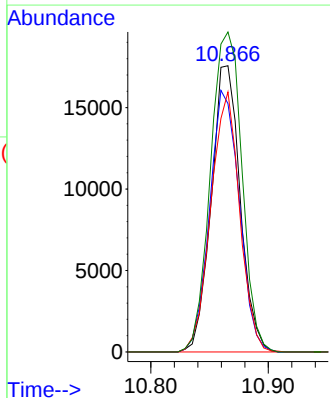
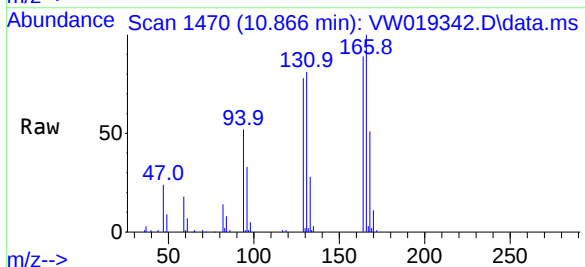
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

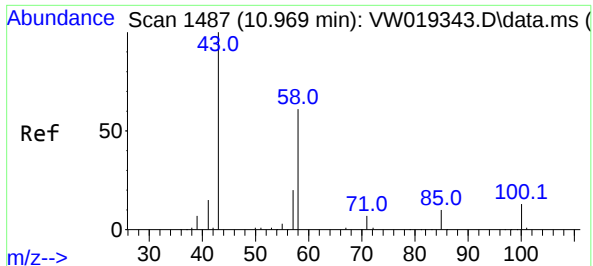
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 26346 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 58.1  | 45.1  | 83.7  |
| 83       | 84.7  | 58.1  | 107.9 |
| 85       | 52.3  | 37.3  | 69.3  |



#46  
Tetrachloroethene  
Concen: 5.015 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 29993 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 86.7  | 66.7  | 123.9 |
| 131      | 90.8  | 61.1  | 113.5 |
| 166      | 111.8 | 87.0  | 161.6 |



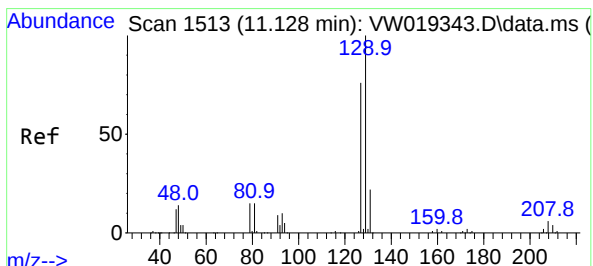
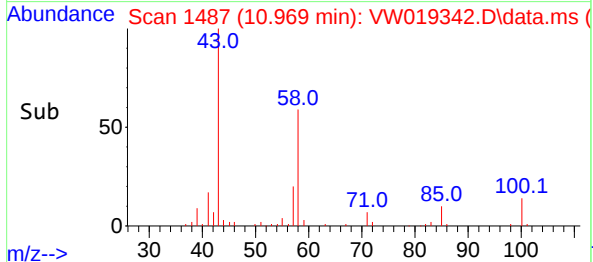
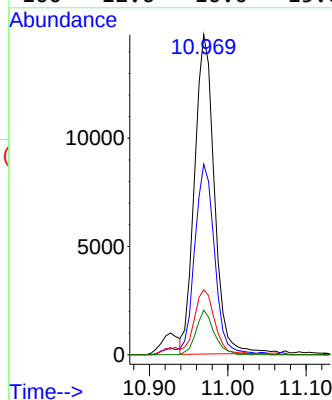
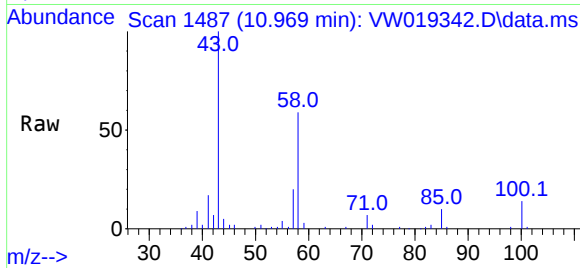


#48  
2-Hexanone  
Concen: 9.009 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

Tgt Ion: 43 Resp: 25966

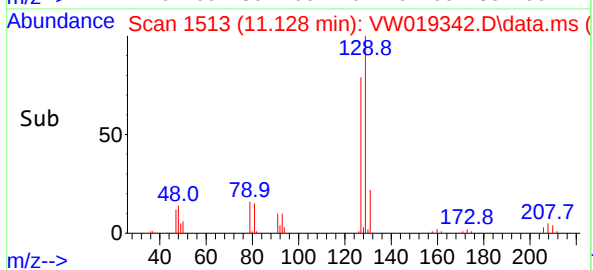
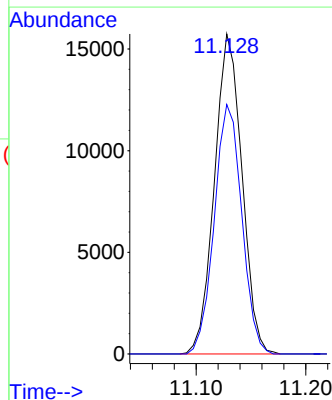
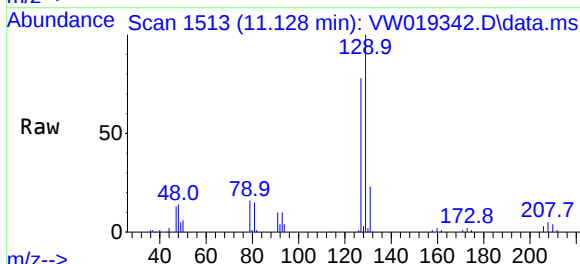
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 59.7  | 42.7  | 64.1  |
| 57  | 20.7  | 15.8  | 23.8  |
| 100 | 12.6  | 10.0  | 15.0  |

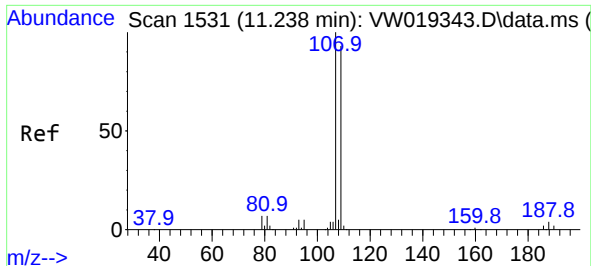


#49  
Dibromochloromethane  
Concen: 4.535 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion: 129 Resp: 27467

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.9  | 51.7  | 95.9  |

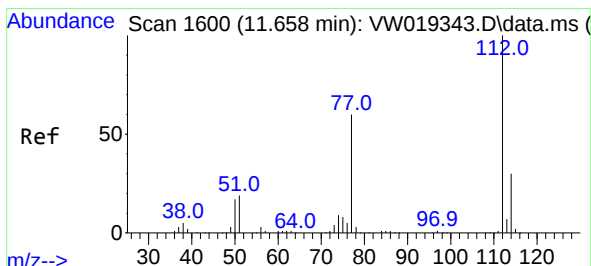
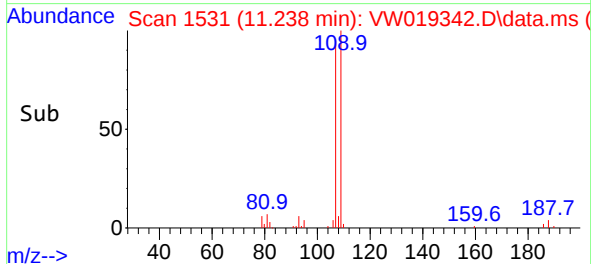
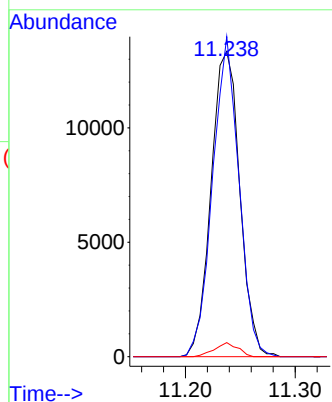
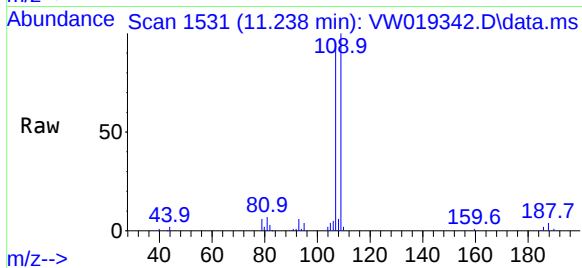




#50  
1,2-Dibromoethane  
Concen: 4.599 ug/L  
RT: 11.238 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

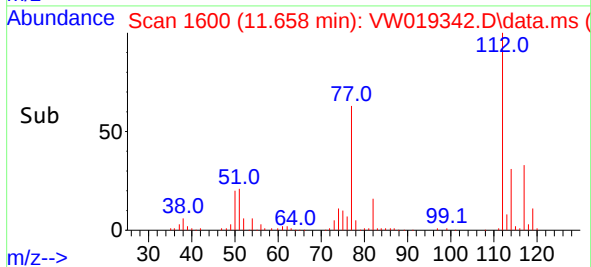
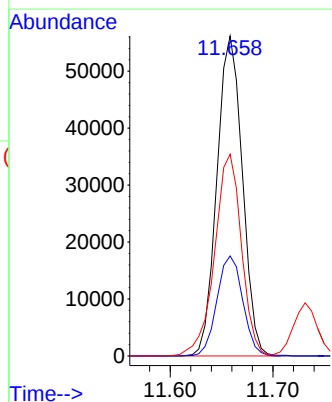
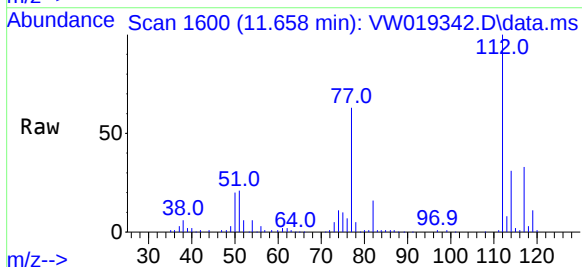
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

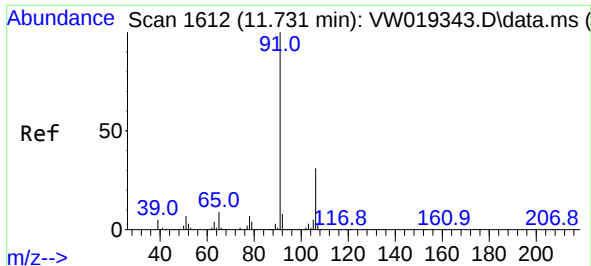
Tgt Ion:107 Resp: 24270  
Ion Ratio Lower Upper  
107 100  
109 104.9 65.4 121.4  
188 4.6 2.6 4.0#



#51  
Chlorobenzene  
Concen: 4.829 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion:112 Resp: 96701  
Ion Ratio Lower Upper  
112 100  
114 31.2 23.4 43.6  
77 63.1 47.6 71.4

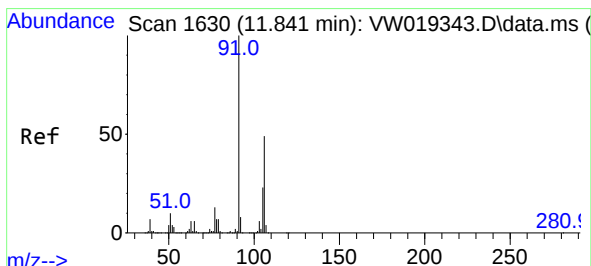
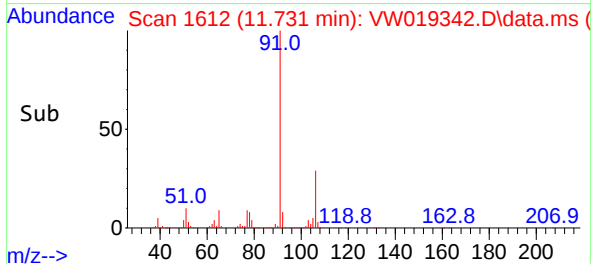
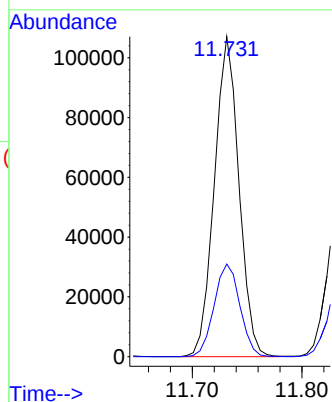
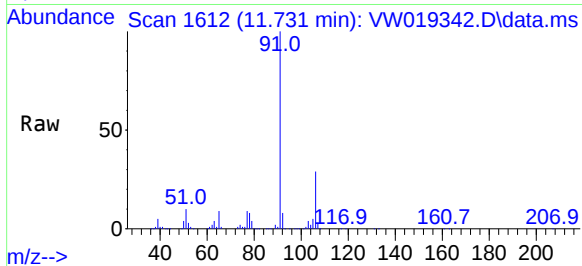




#52  
Ethylbenzene  
Concen: 4.716 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

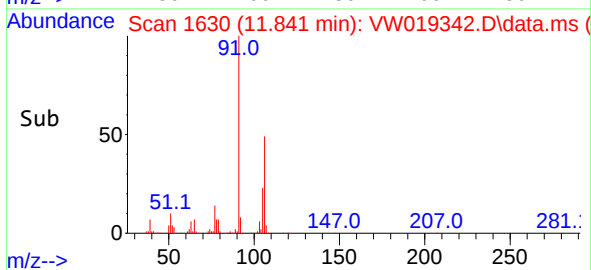
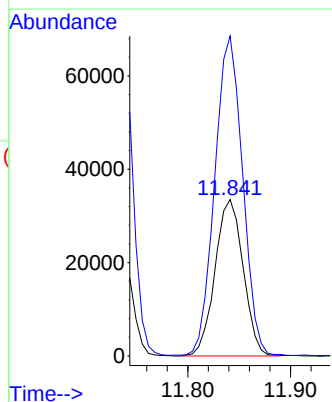
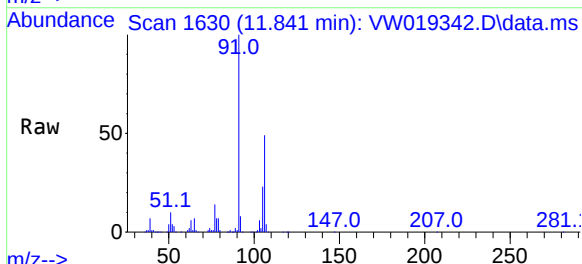
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

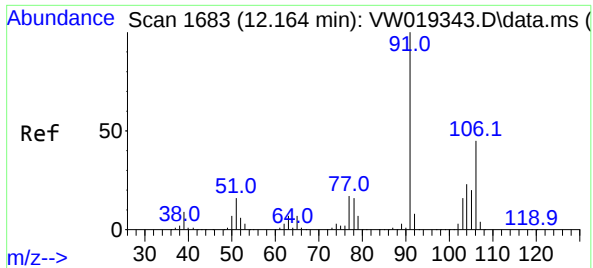
Tgt Ion: 91 Resp: 166558  
Ion Ratio Lower Upper  
91 100  
106 28.9 22.5 41.7



#53  
m,p-Xylene  
Concen: 4.865 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion:106 Resp: 63626  
Ion Ratio Lower Upper  
106 100  
91 204.5 141.3 262.3

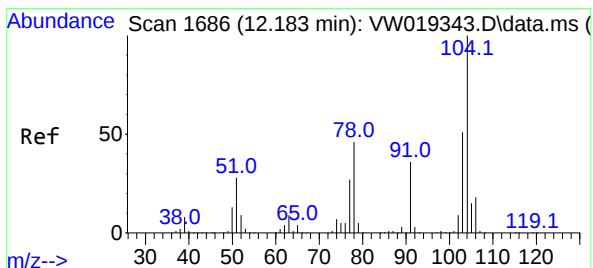
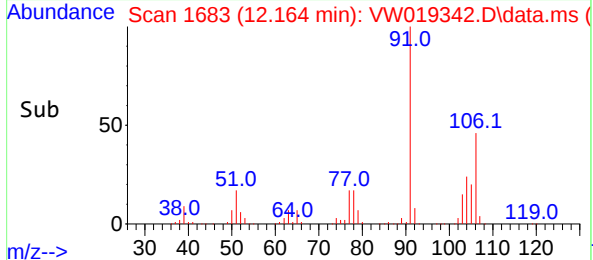
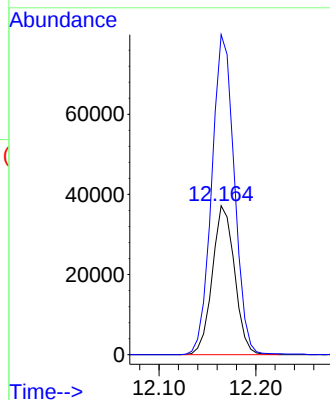
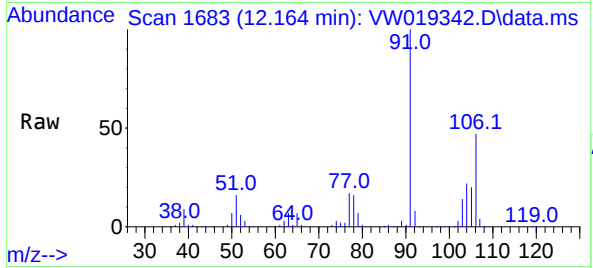




#54  
o-Xylene  
Concen: 4.788 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

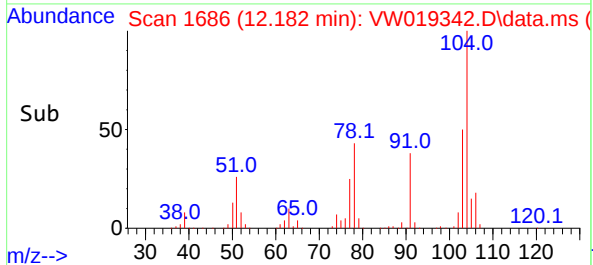
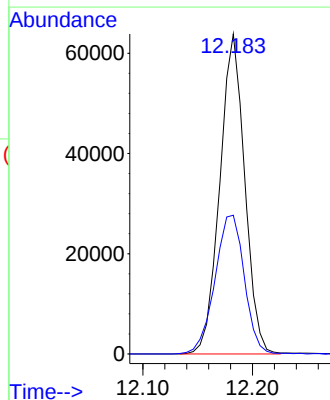
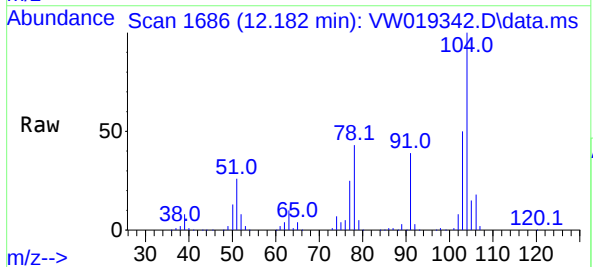
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD005102

Tgt Ion:106 Resp: 59342  
Ion Ratio Lower Upper  
106 100  
91 214.8 150.0 278.6

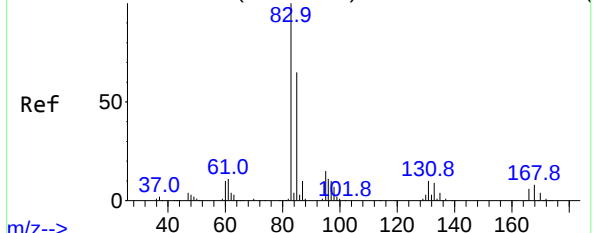


#55  
Styrene  
Concen: 4.732 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

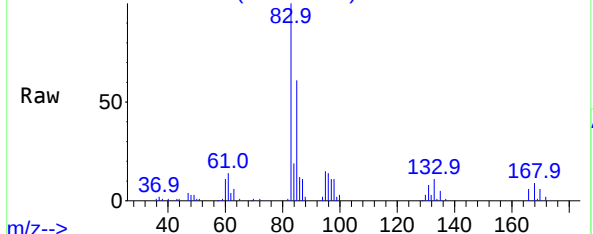
Tgt Ion:104 Resp: 100793  
Ion Ratio Lower Upper  
104 100  
78 43.3 32.5 60.3



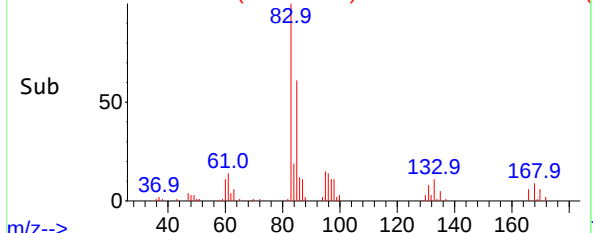
Abundance Scan 1773 (12.713 min): VW019343.D\data.ms (



m/z--> Abundance Scan 1773 (12.713 min): VW019342.D\data.ms



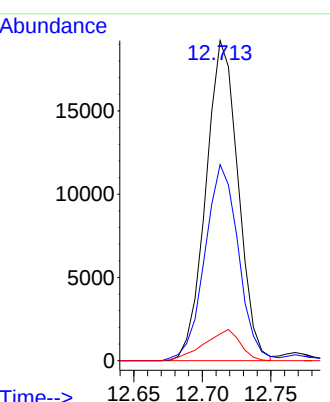
m/z--> Abundance Scan 1773 (12.713 min): VW019342.D\data.ms (



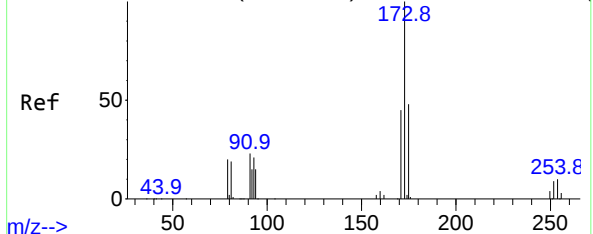
m/z-->

#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.728 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

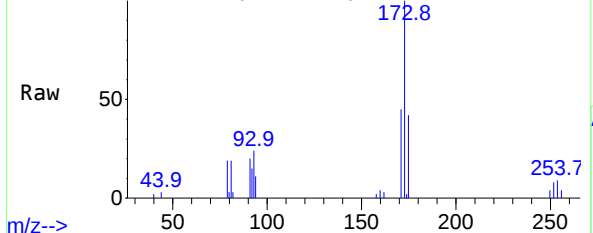
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 31517 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.3  | 44.4  | 82.4  |
| 131      | 8.4   | 8.2   | 12.4  |



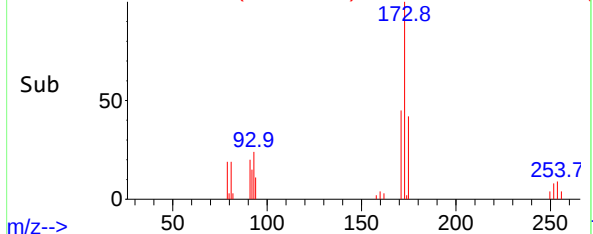
Abundance Scan 1714 (12.353 min): VW019343.D\data.ms (



m/z--> Abundance Scan 1714 (12.353 min): VW019342.D\data.ms



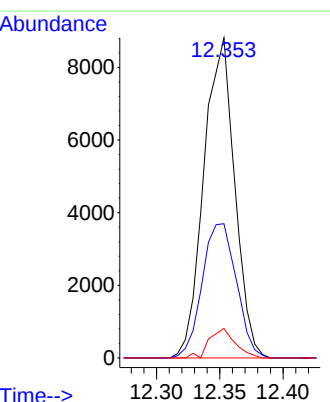
m/z--> Abundance Scan 1714 (12.353 min): VW019342.D\data.ms (

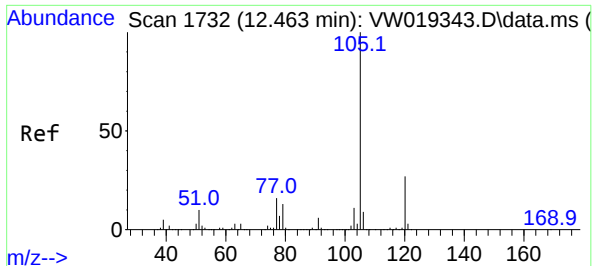


m/z-->

#59  
Bromoform  
Concen: 4.261 ug/L  
RT: 12.353 min Scan# 1714  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

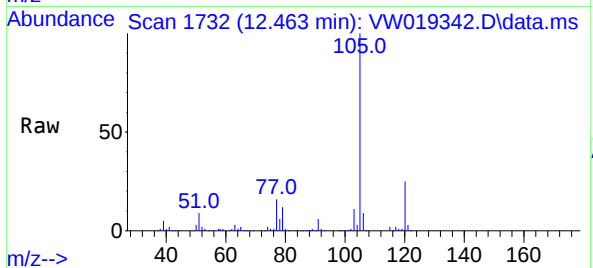
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 14961 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 46.5  | 37.5  | 56.3  |
| 254      | 7.4   | 7.0   | 10.4  |



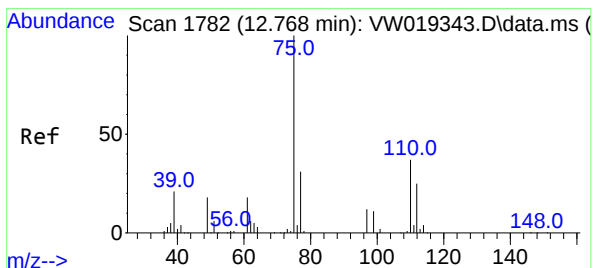
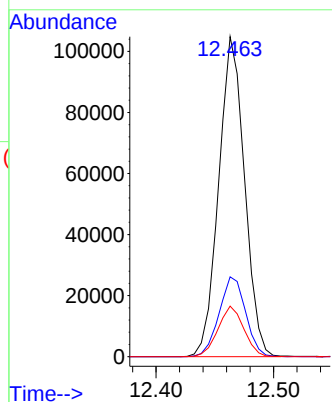
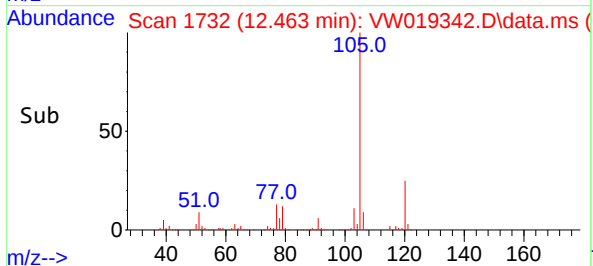


#60  
Isopropylbenzene  
Concen: 4.631 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

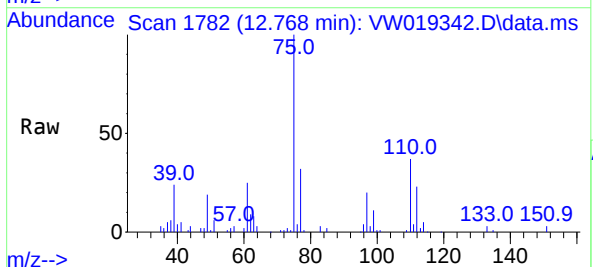
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102



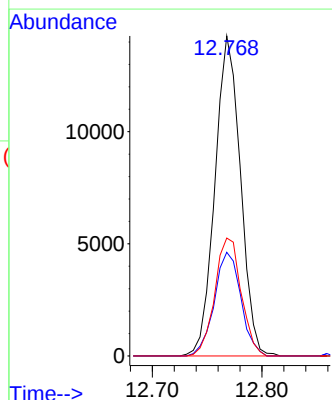
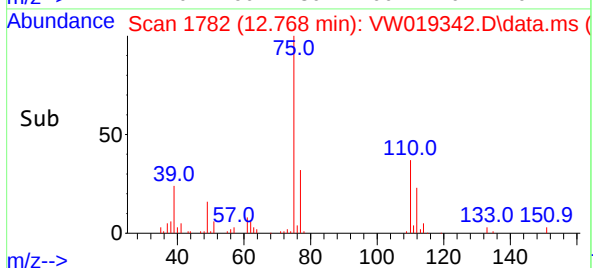
Tgt Ion:105 Resp: 160273  
Ion Ratio Lower Upper  
105 100  
120 25.6 21.1 31.7  
77 15.8 13.2 19.8

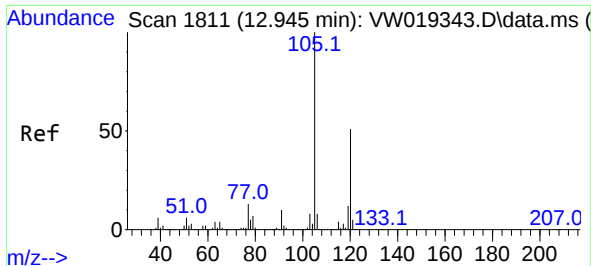


#61  
1,2,3-Trichloropropane  
Concen: 4.520 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18



Tgt Ion: 75 Resp: 23076  
Ion Ratio Lower Upper  
75 100  
77 33.8 25.3 37.9  
110 38.1 32.6 48.8

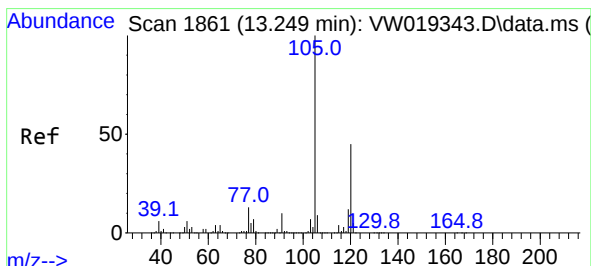
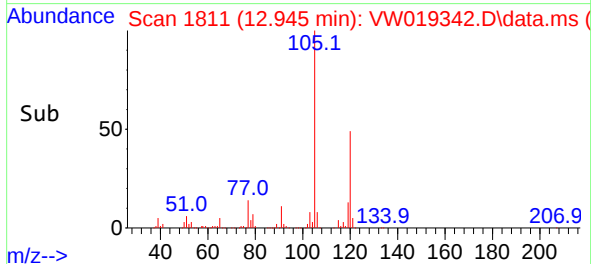
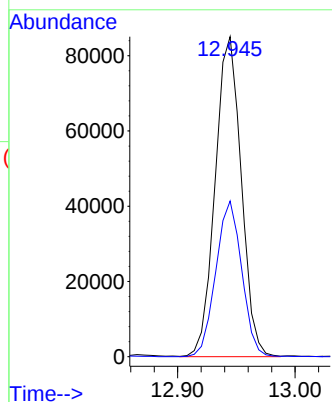
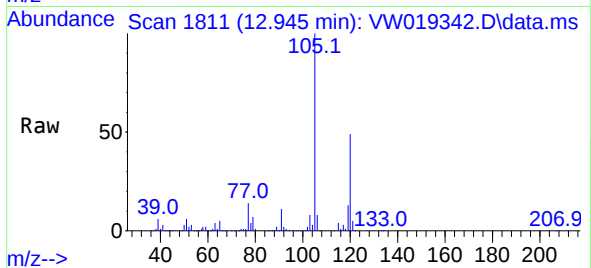




#62  
1,3,5-Trimethylbenzene  
Concen: 4.618 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

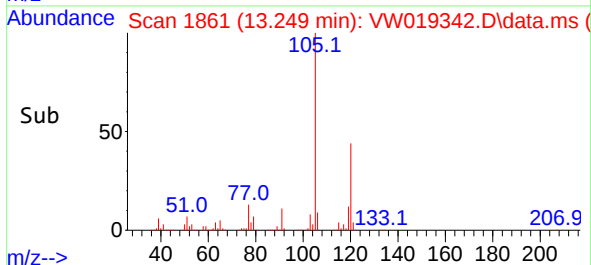
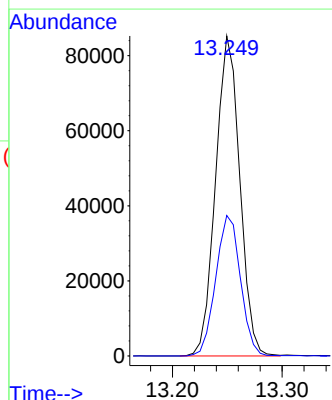
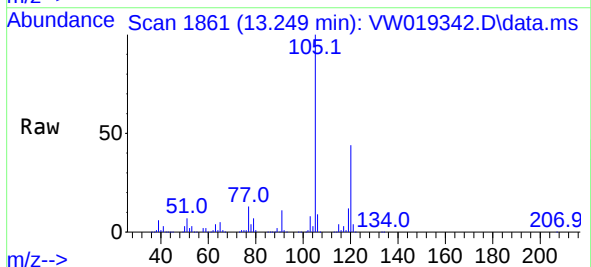
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

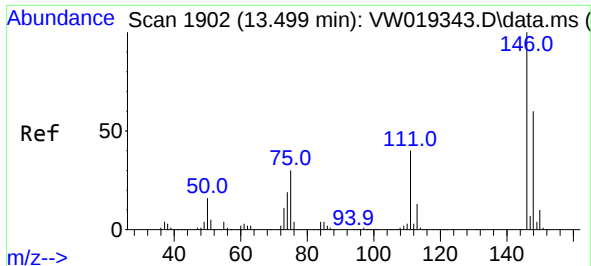
Tgt Ion:105 Resp: 131273  
Ion Ratio Lower Upper  
105 100  
120 48.3 39.0 58.6



#63  
1,2,4-Trimethylbenzene  
Concen: 4.602 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion:105 Resp: 130855  
Ion Ratio Lower Upper  
105 100  
120 44.8 35.6 53.4

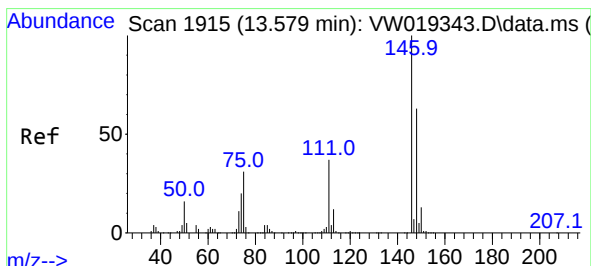
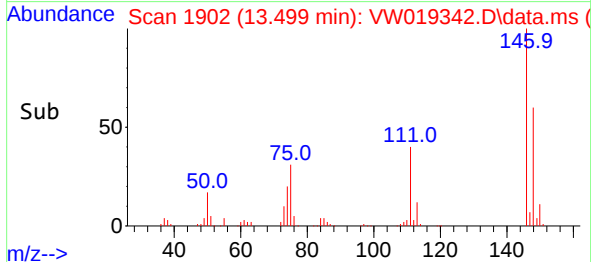
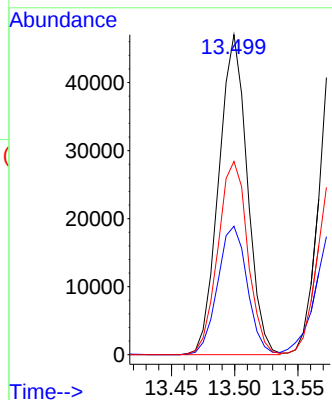
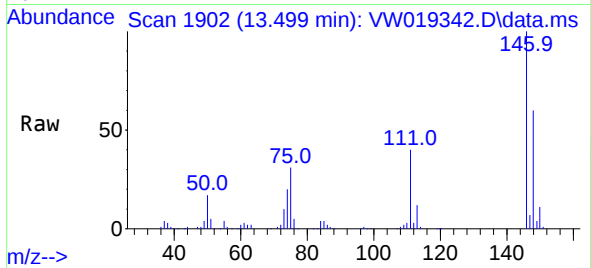




#64  
1,3-Dichlorobenzene  
Concen: 4.875 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

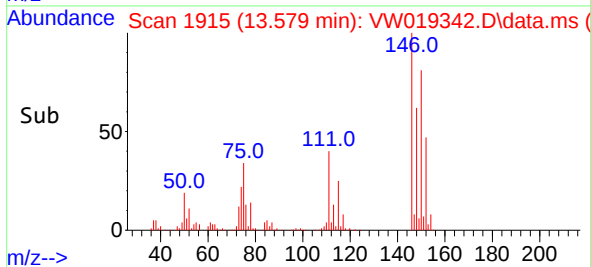
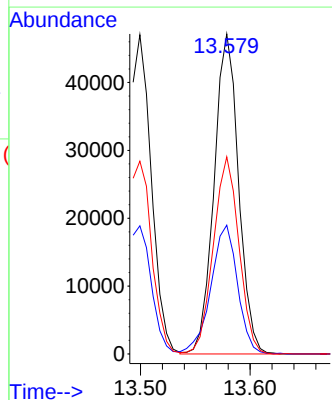
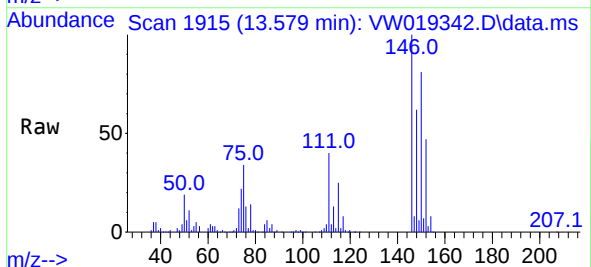
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

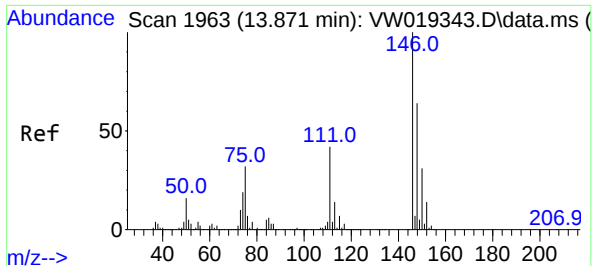
Tgt Ion:146 Resp: 73685  
Ion Ratio Lower Upper  
146 100  
111 40.2 26.7 49.7  
148 60.4 41.1 76.3



#65  
1,4-Dichlorobenzene  
Concen: 4.739 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion:146 Resp: 73214  
Ion Ratio Lower Upper  
146 100  
111 40.2 28.8 53.4  
148 61.6 46.8 87.0

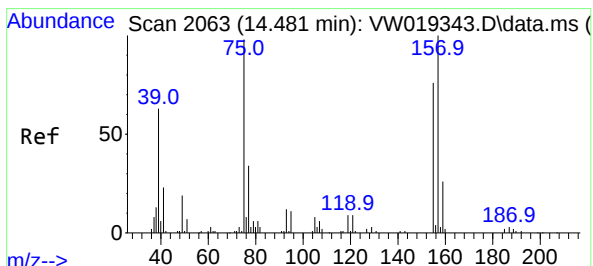
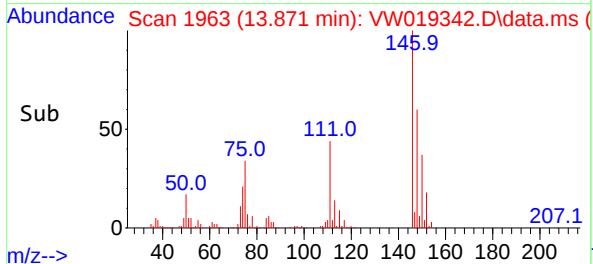
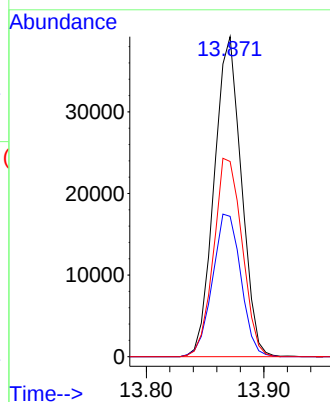
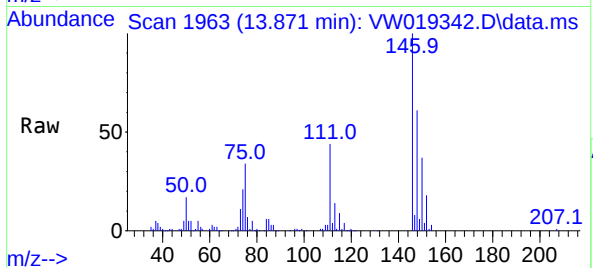




#67  
1,2-Dichlorobenzene  
Concen: 4.636 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

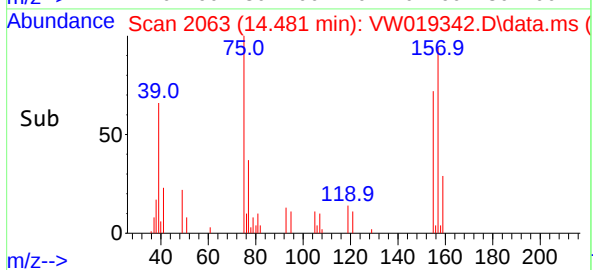
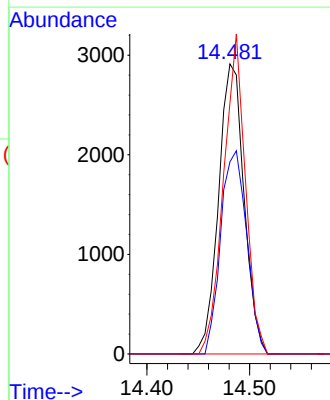
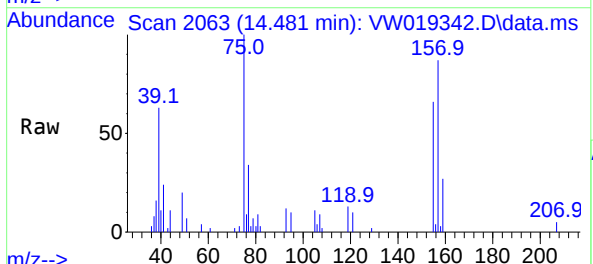
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

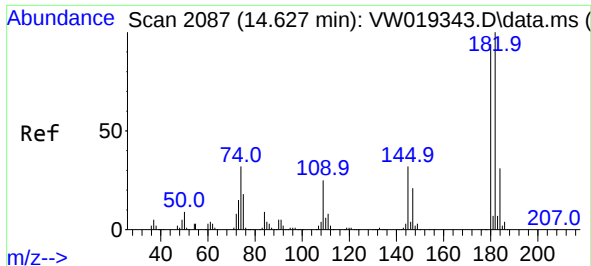
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 63022 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 43.8  | 33.2  | 49.8  |
| 148      | 61.0  | 50.4  | 75.6  |



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.536 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5016  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 66.3  | 59.4  | 89.0  |
| 157      | 86.6  | 72.2  | 108.2 |

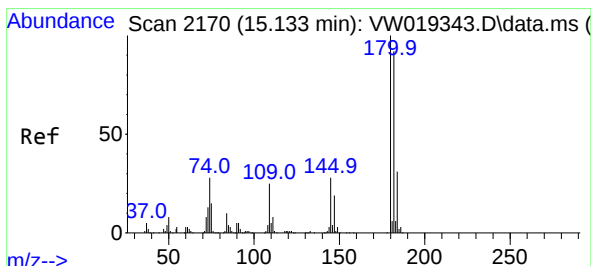
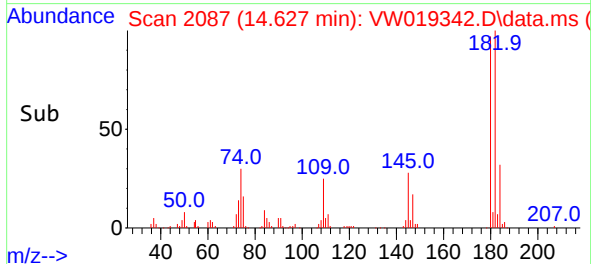
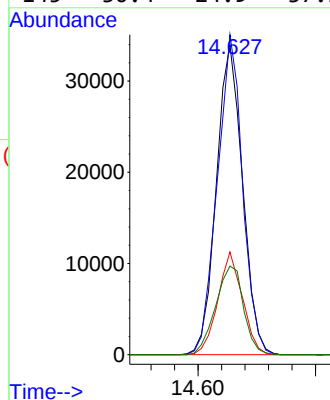
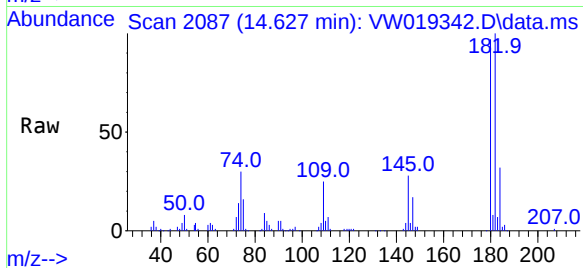




#69  
1,3,5-Trichlorobenzene  
Concen: 4.854 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

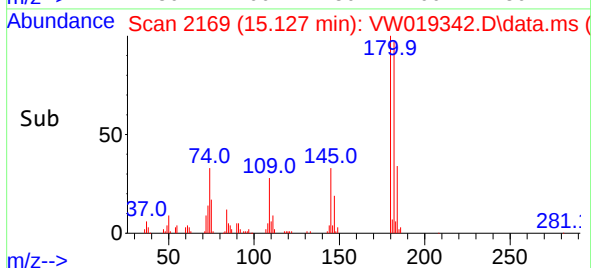
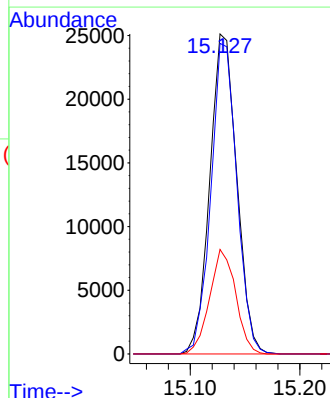
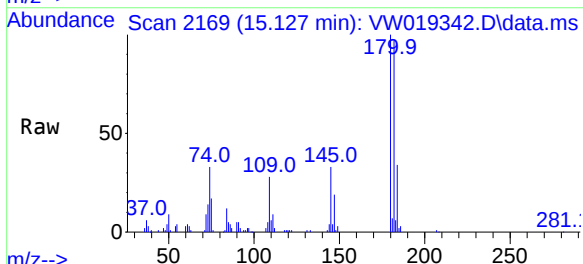
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

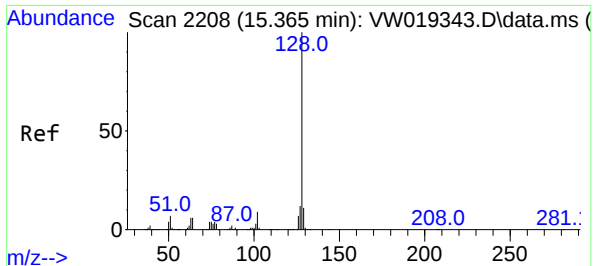
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 52701 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 99.4  | 73.4  | 110.2 |
| 184      | 31.1  | 23.6  | 35.4  |
| 145      | 30.4  | 24.9  | 37.3  |



#70  
1,2,4-trichlorobenzene  
Concen: 4.783 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 42920 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.6  | 74.7  | 112.1 |
| 145      | 31.6  | 25.0  | 37.4  |



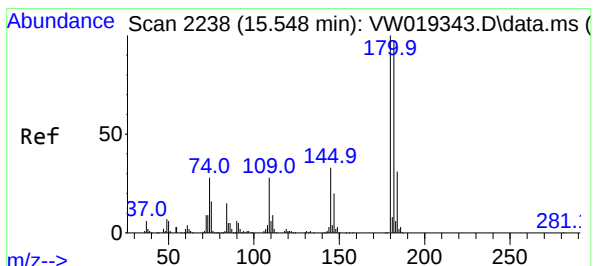
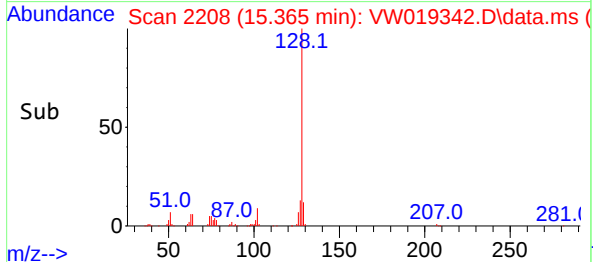
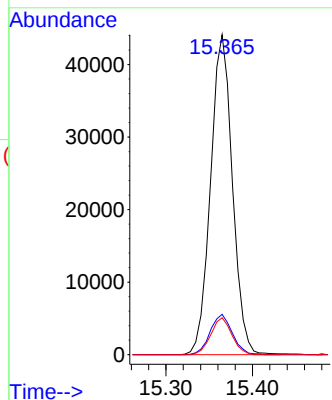
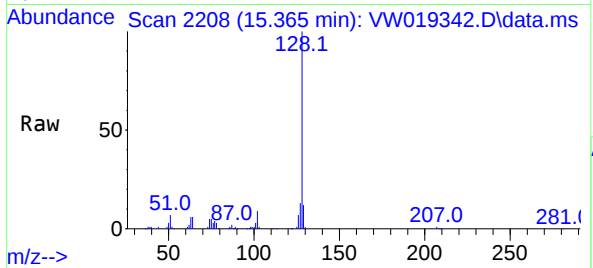


#71  
Naphthalene  
Concen: 4.374 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005102

Tgt Ion:128 Resp: 77328

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.8  | 10.6  | 15.8  |
| 129 | 11.1  | 9.0   | 13.6  |



#72  
1,2,3-Trichlorobenzene  
Concen: 4.557 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.006 min  
Lab File: VW019342.D  
Acq: 28 Jun 2021 11:18

Tgt Ion:180 Resp: 36140

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 102.7 | 76.7  | 115.1 |
| 145 | 36.6  | 28.9  | 43.3  |

