

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101421\  
 Data File : VW020501.D  
 Acq On : 14 Oct 2021 17:59  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025034

Quant Time: Oct 14 23:38:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 14 23:35:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 183511   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 175437   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 90281    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 54787    | 20.517   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.080%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 32255    | 22.867   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.480%   |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 121734   | 22.248   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 89.000%   |
| 21) 2-Butanone-d5             | 7.080  | 46    | 56273    | 69.246   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 138.500%# |
| 24) Chloroform-d              | 7.653  | 84    | 155447   | 26.574   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 106.280%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 93530    | 27.995   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 112.000%  |
| 32) Benzene-d6                | 8.275  | 84    | 281924   | 24.430   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.720%   |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 95057    | 25.274   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.080%  |
| 41) Toluene-d8                | 10.323 | 98    | 253461   | 24.479   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.920%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 40866    | 26.738   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 106.960%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 40434    | 69.886   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 139.780%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 88787    | 31.231   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 124.920%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 88924    | 25.179   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.720%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 26424    | 22.282   | ug/L   | 99        |
| 3) Chloromethane              | 2.215  | 50    | 62392    | 25.304   | ug/L   | 97        |
| 5) Vinyl chloride             | 2.361  | 62    | 84727    | 24.431   | ug/L   | 98        |
| 6) Bromomethane               | 2.776  | 94    | 34510    | 22.911   | ug/L   | 95        |
| 8) Chloroethane               | 2.916  | 64    | 31574    | 24.656   | ug/L   | 100       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 48437    | 24.548   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 70942    | 25.210   | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 64014    | 24.810   | ug/L   | 95        |
| 13) Acetone                   | 4.129  | 43    | 40977    | 54.922   | ug/L   | 99        |
| 14) Carbon disulfide          | 4.385  | 76    | 198897   | 23.699   | ug/L   | 100       |
| 15) Methyl Acetate            | 4.678  | 43    | 42234    | 30.482   | ug/L   | 99        |
| 16) Methylene chloride        | 4.915  | 84    | 89266    | 25.023   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 68239    | 25.208   | ug/L   | 98        |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 109635   | 28.746   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 145576   | 26.232   | ug/L   | 100       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 74756    | 26.568   | ug/L   | 95        |
| 22) 2-Butanone                | 7.171  | 43    | 57156    | 61.199   | ug/L   | 99        |
| 23) Bromochloromethane        | 7.519  | 128   | 33952    | 27.512   | ug/L   | 97        |
| 25) Chloroform                | 7.677  | 83    | 143838   | 26.661   | ug/L   | 99        |

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 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025034

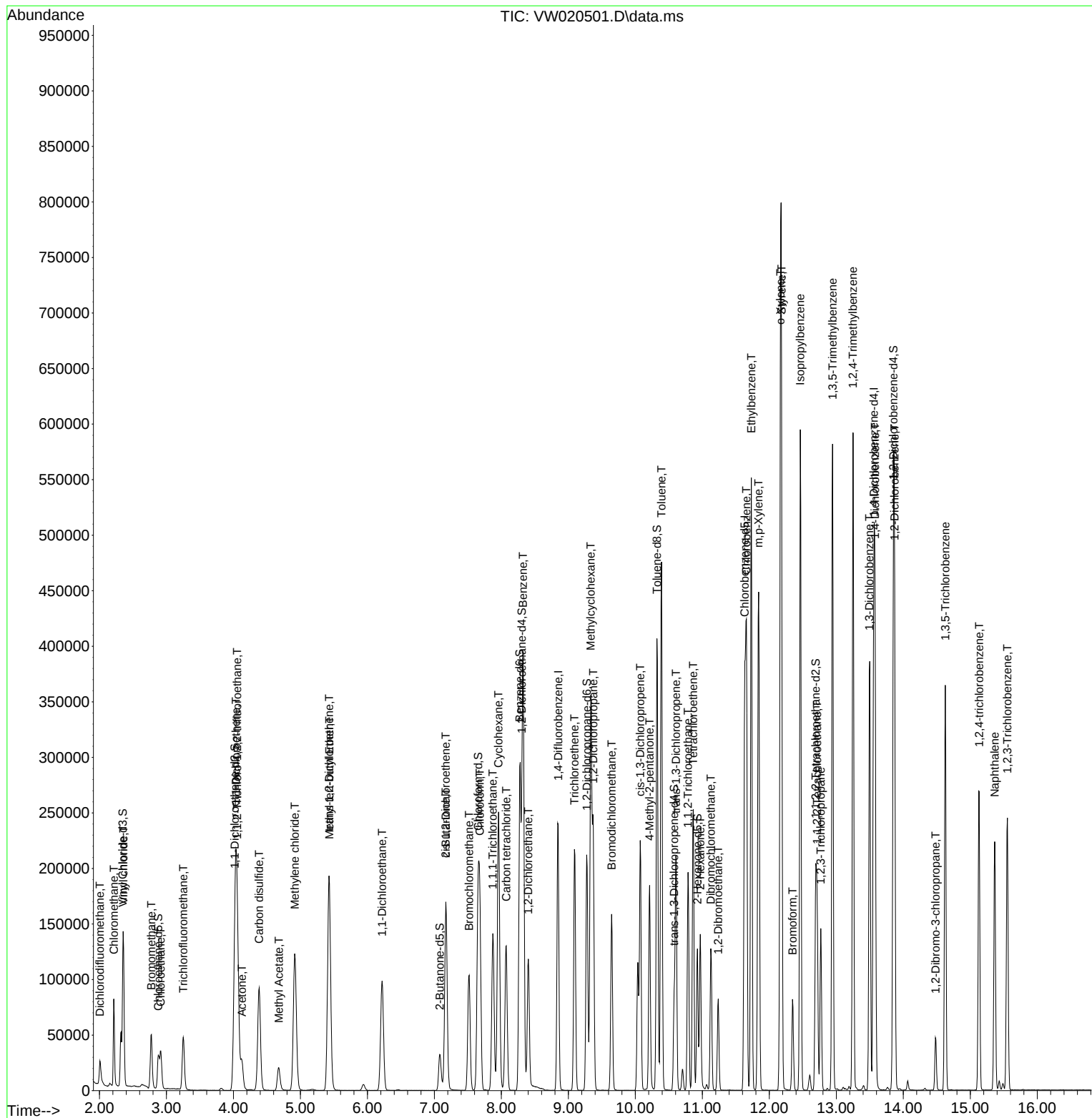
Quant Time: Oct 14 23:38:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 14 23:35:04 2021  
 Response via : Initial Calibration

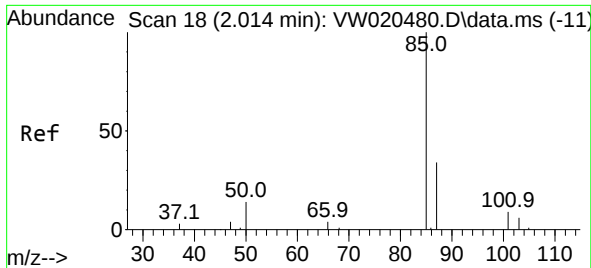
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 105177   | 28.503 | ug/L  | 100      |
| 29) Cyclohexane               | 7.958  | 56   | 129741   | 25.260 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 109660   | 25.161 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.073  | 117  | 96021    | 25.059 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 321915   | 25.762 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 75585    | 24.553 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.335  | 83   | 128394   | 24.372 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 83876    | 25.920 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 102915   | 26.526 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 120519   | 26.994 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 124240   | 63.968 | ug/L  | 99       |
| 42) Toluene                   | 10.390 | 91   | 329747   | 26.309 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 109055   | 27.708 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 57973    | 27.903 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.866 | 164  | 54813    | 24.789 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 91669    | 64.330 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.128 | 129  | 63098    | 27.566 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 53229    | 27.891 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 194617   | 25.180 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 360571   | 26.529 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.841 | 106  | 133344   | 26.478 | ug/L  | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 125440   | 26.972 | ug/L  | 92       |
| 55) Styrene                   | 12.182 | 104  | 228227   | 28.066 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 76400    | 29.662 | ug/L  | 96       |
| 59) Bromoform                 | 12.347 | 173  | 34854    | 27.558 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 344679   | 26.012 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 57414    | 28.867 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 286597   | 26.490 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 296072   | 27.628 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 143849   | 25.090 | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 147388   | 24.853 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 138267   | 26.323 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 12786    | 30.265 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 102844   | 25.156 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 78287    | 24.183 | ug/L  | 99       |
| 71) Naphthalene               | 15.365 | 128  | 176252   | 30.282 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 76402    | 26.872 | ug/L  | 97       |

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

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
VSTD025034

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Quant Title : SFAM01.0  
QLast Update : Thu Oct 14 23:35:04 2021  
Response via : Initial Calibration

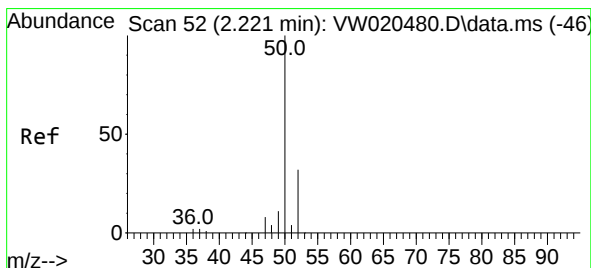
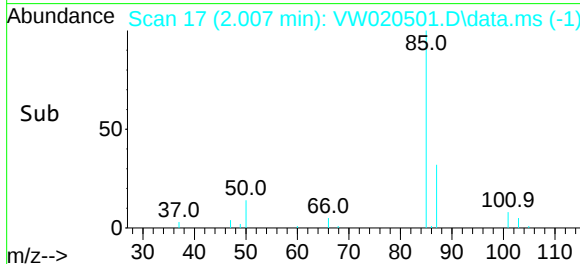
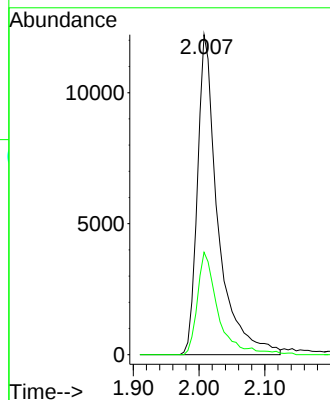
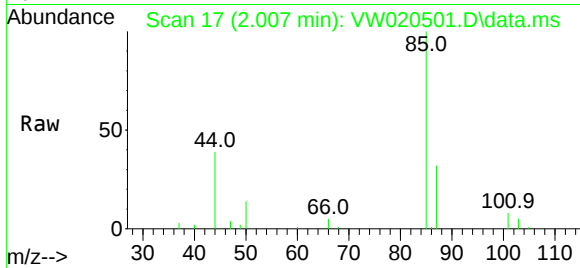




#2  
Dichlorodifluoromethane  
Concen: 22.282 ug/L  
RT: 2.007 min Scan# 17  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

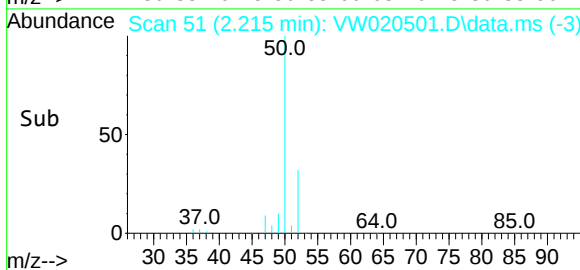
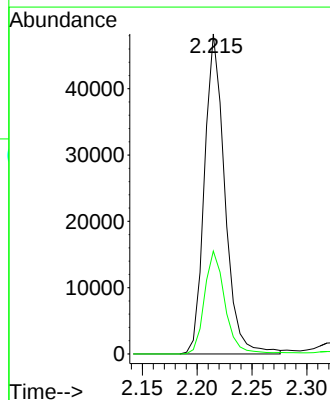
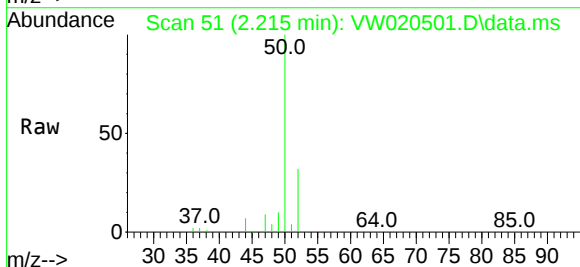
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

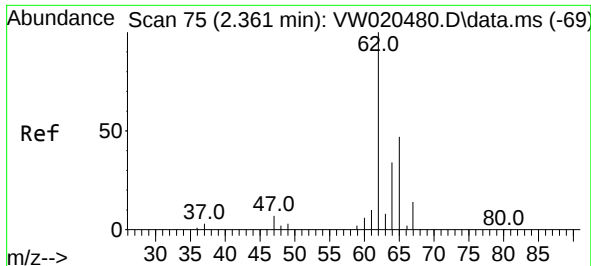
Tgt Ion: 85 Resp: 26424  
Ion Ratio Lower Upper  
85 100  
87 30.4 24.9 37.3



#3  
Chloromethane  
Concen: 25.304 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 50 Resp: 62392  
Ion Ratio Lower Upper  
50 100  
52 32.1 21.5 39.9

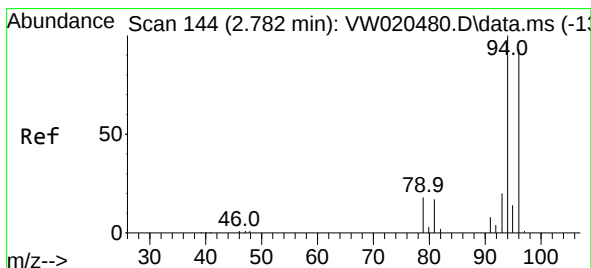
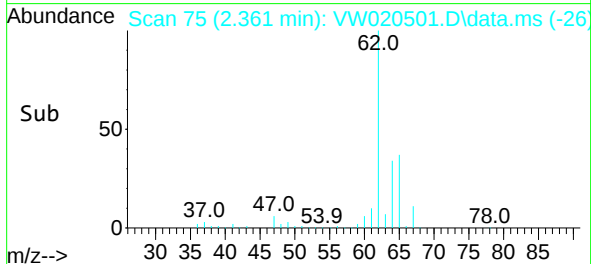
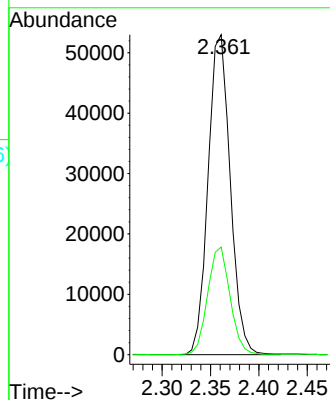
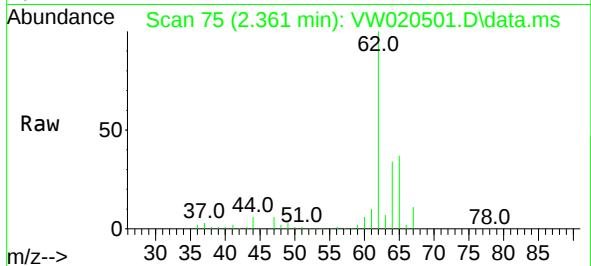




#5  
 Vinyl chloride  
 Concen: 24.431 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VW020501.D  
 Acq: 14 Oct 2021 17:59

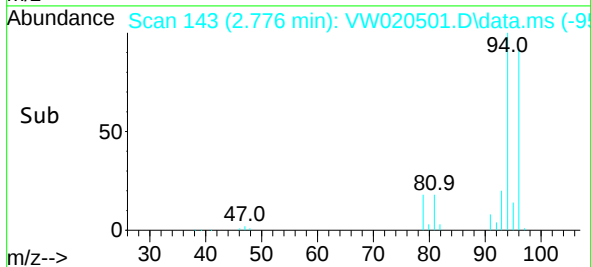
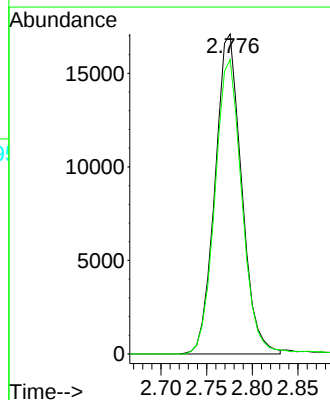
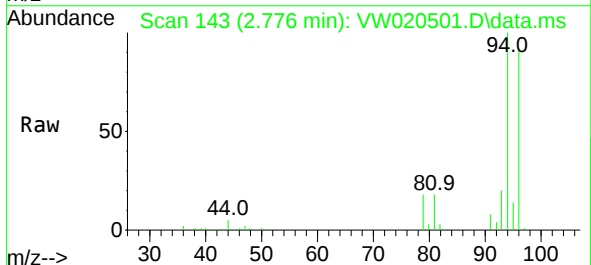
Instrument :  
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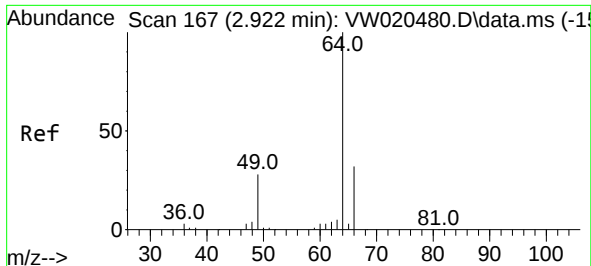
Tgt Ion: 62 Resp: 84727  
 Ion Ratio Lower Upper  
 62 100  
 64 33.7 24.6 45.6



#6  
 Bromomethane  
 Concen: 22.911 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. -0.006 min  
 Lab File: VW020501.D  
 Acq: 14 Oct 2021 17:59

Tgt Ion: 94 Resp: 34510  
 Ion Ratio Lower Upper  
 94 100  
 96 92.0 67.8 126.0

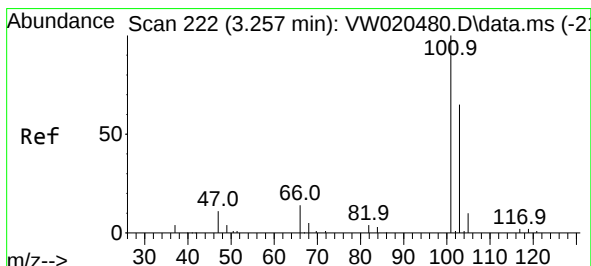
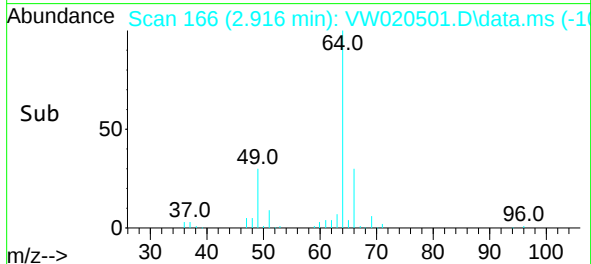
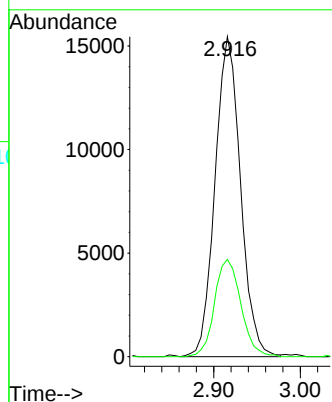
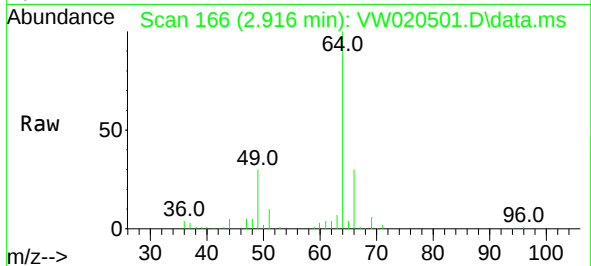




#8  
Chloroethane  
Concen: 24.656 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

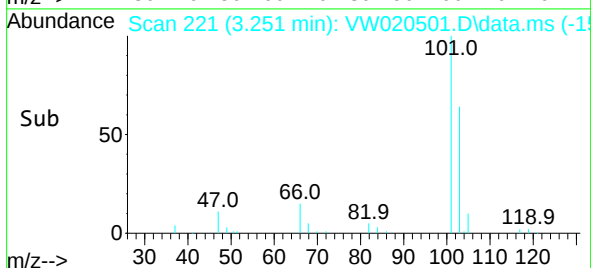
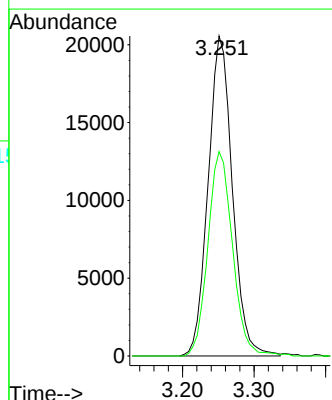
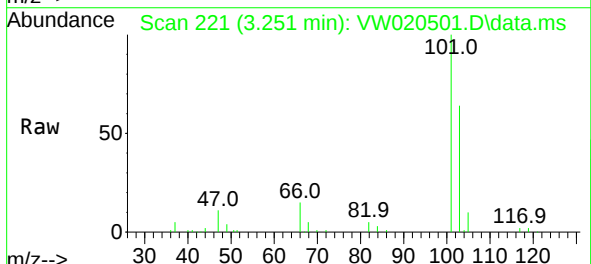
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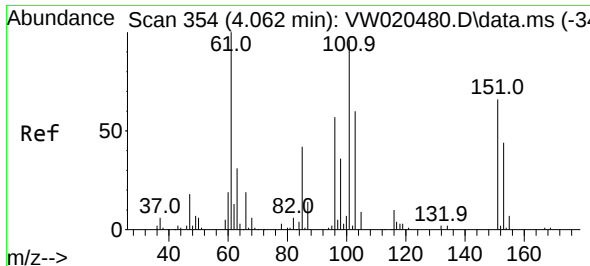
Tgt Ion: 64 Resp: 31574  
Ion Ratio Lower Upper  
64 100  
66 30.4 21.2 39.4



#9  
Trichlorofluoromethane  
Concen: 24.548 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 101 Resp: 48437  
Ion Ratio Lower Upper  
101 100  
103 64.4 52.2 78.4

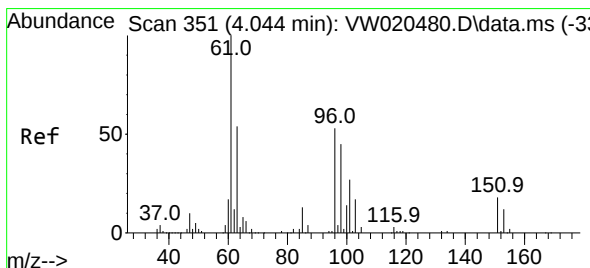
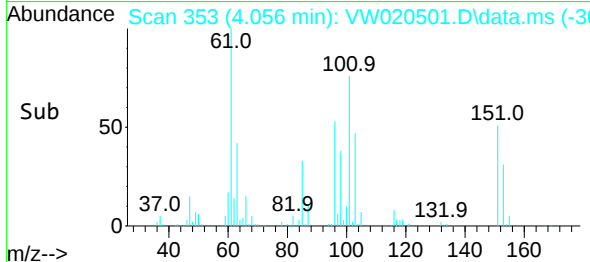
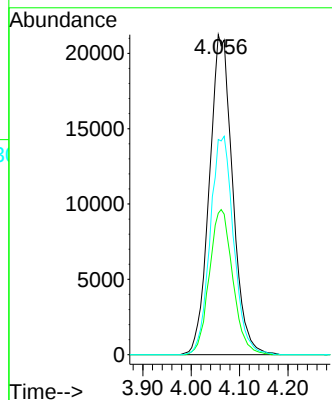
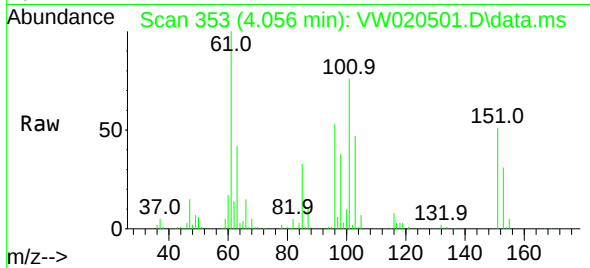




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 25.210 ug/L  
RT: 4.056 min Scan# 353  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

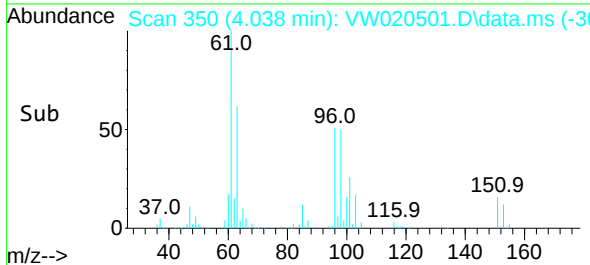
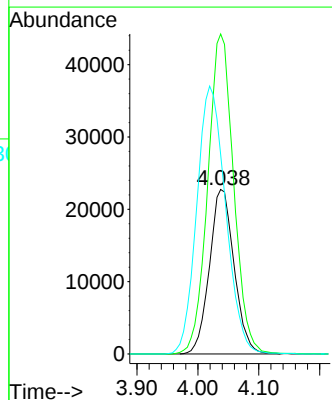
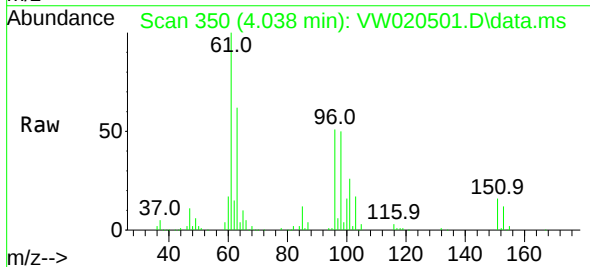
Instrument :  
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ClientSampleId :  
VSTD025034

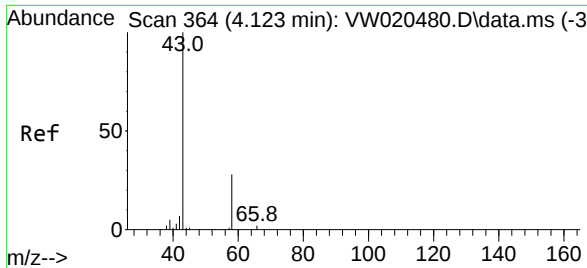
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Ion Ratio Lower Upper  
101 100  
85 45.7 36.3 54.5  
151 69.1 56.5 84.7



#12  
1,1-Dichloroethene  
Concen: 24.810 ug/L  
RT: 4.038 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 96 Resp: 64014  
Ion Ratio Lower Upper  
96 100  
61 194.5 133.9 248.7  
63 121.1 77.3 143.7

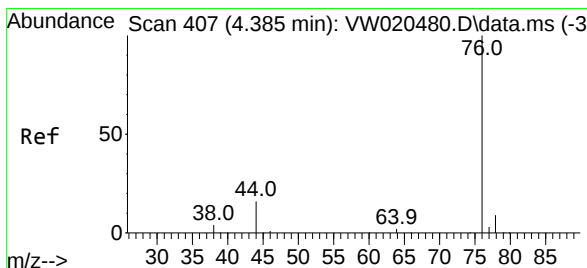
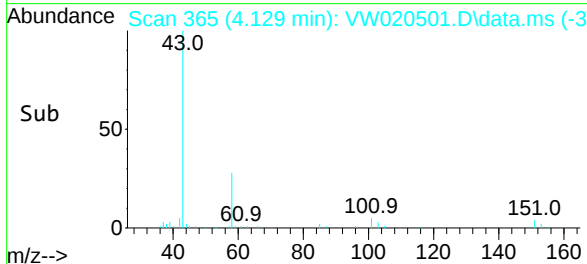
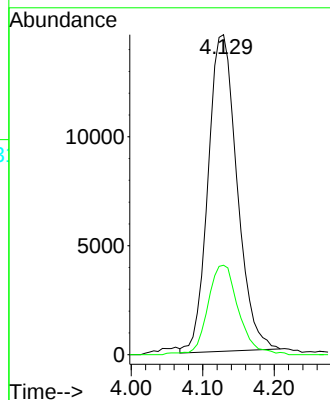
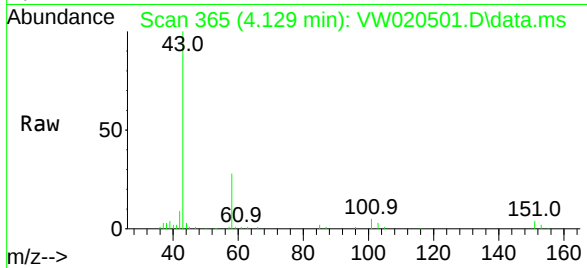




#13  
Acetone  
Concen: 54.922 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

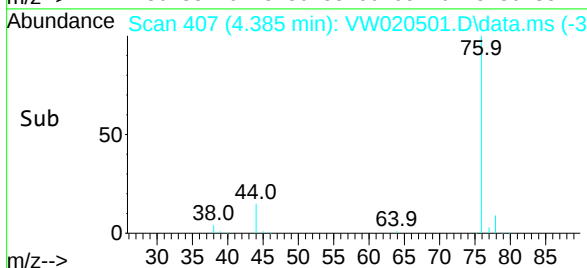
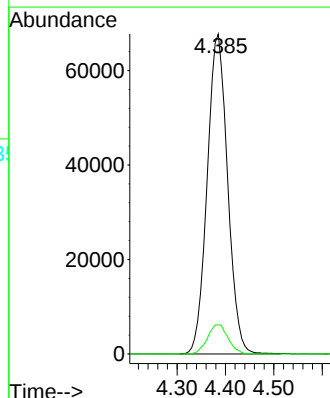
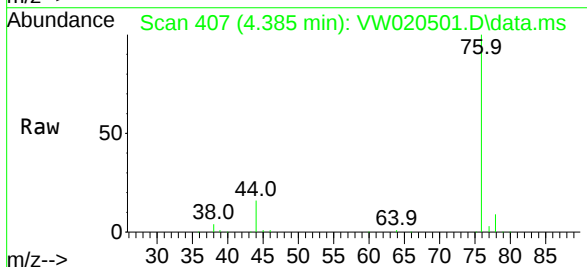
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

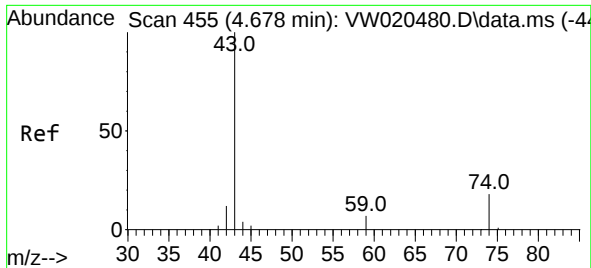
Tgt Ion: 43 Resp: 40977  
Ion Ratio Lower Upper  
43 100  
58 29.5 0.0 58.4



#14  
Carbon disulfide  
Concen: 23.699 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 76 Resp: 198897  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.2

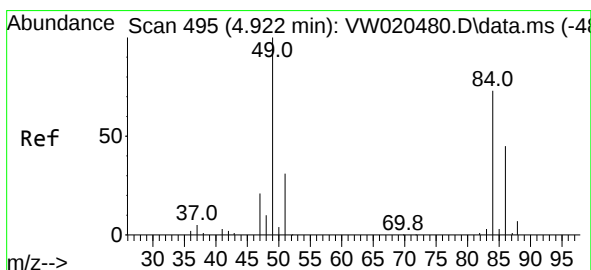
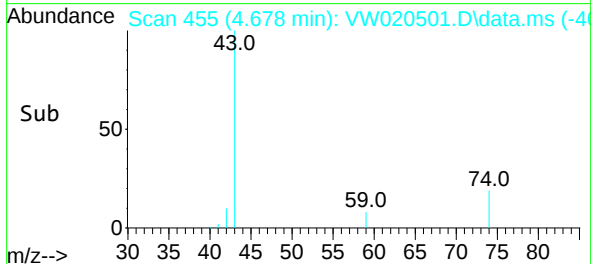
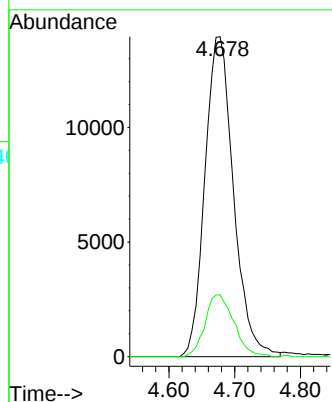
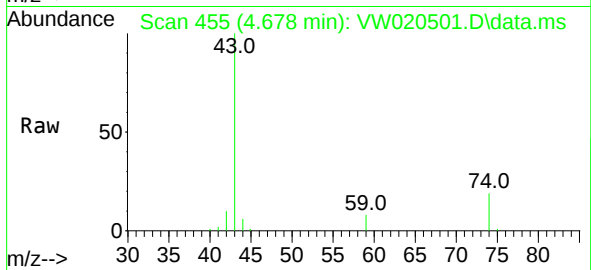




#15  
Methyl Acetate  
Concen: 30.482 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

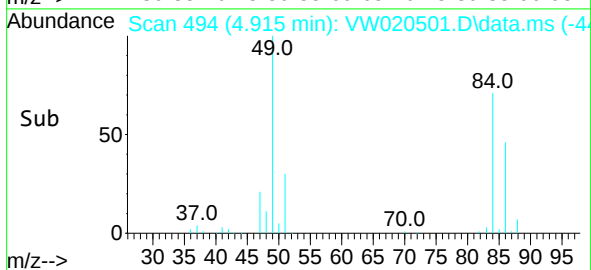
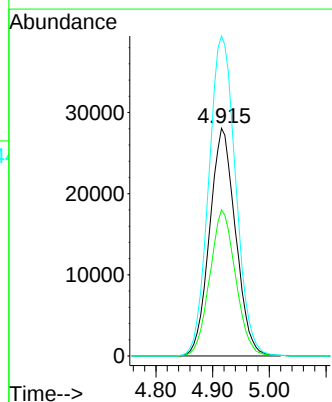
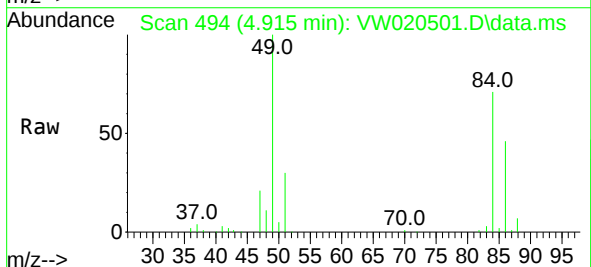
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

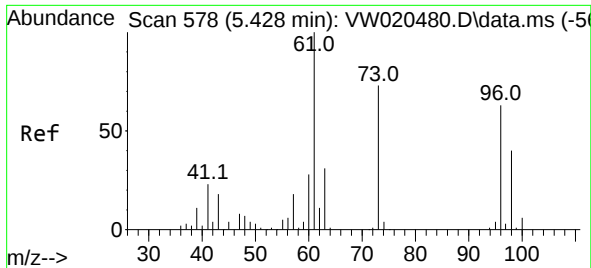
Tgt Ion: 43 Resp: 42234  
Ion Ratio Lower Upper  
43 100  
74 19.5 16.1 24.1



#16  
Methylene chloride  
Concen: 25.023 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 84 Resp: 89266  
Ion Ratio Lower Upper  
84 100  
86 64.1 44.7 83.1  
49 140.5 101.7 188.9

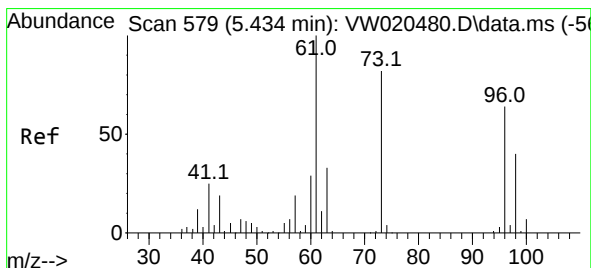
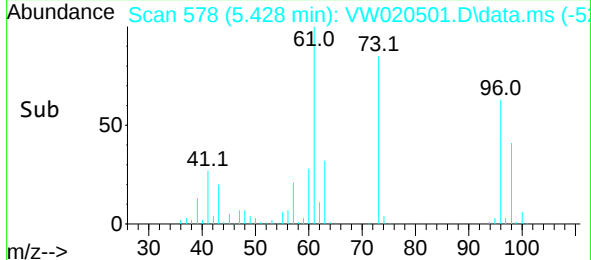
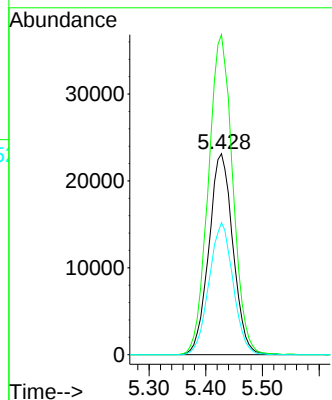
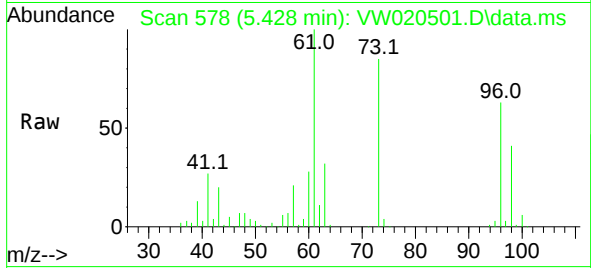




#17  
trans-1,2-Dichloroethene  
Concen: 25.208 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

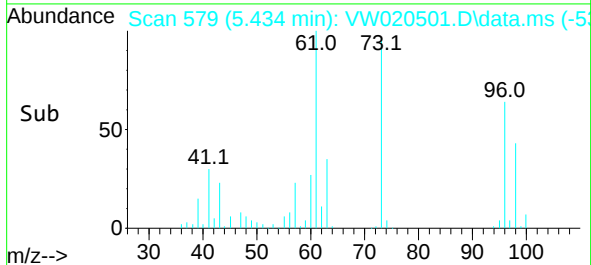
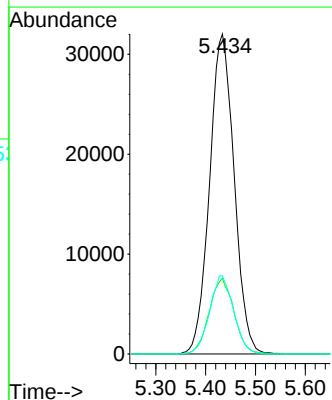
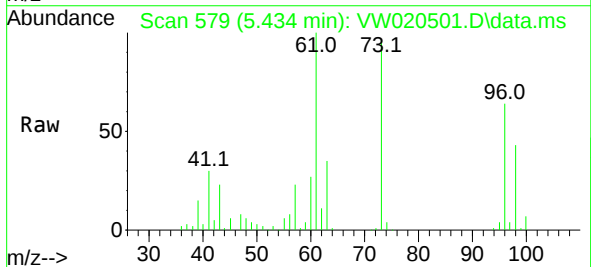
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

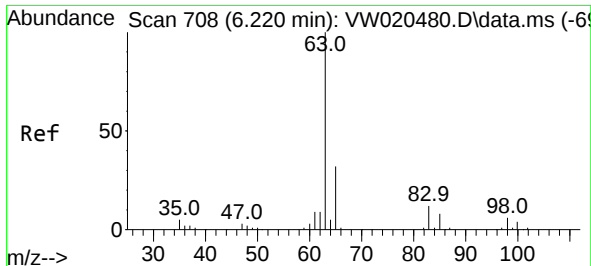
Tgt Ion: 96 Resp: 68239  
Ion Ratio Lower Upper  
96 100  
61 159.2 110.7 205.5  
98 65.6 43.9 81.5



#18  
Methyl tert-butyl Ether  
Concen: 28.746 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 73 Resp: 109635  
Ion Ratio Lower Upper  
73 100  
43 23.9 18.9 28.3  
57 23.9 18.9 28.3





#19

1,1-Dichloroethane

Concen: 26.232 ug/L

RT: 6.220 min Scan# 708

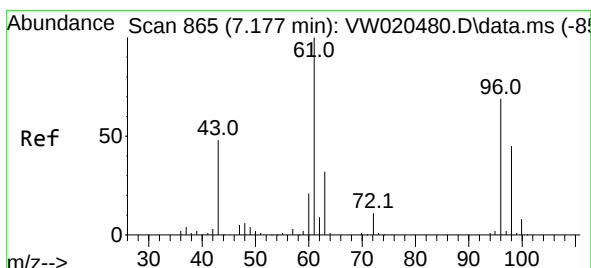
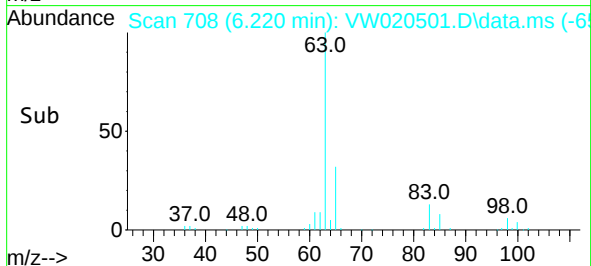
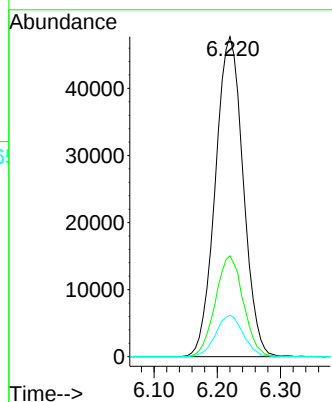
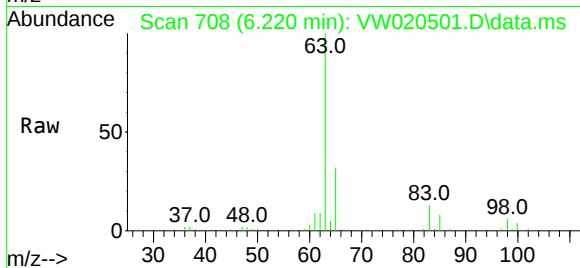
Delta R.T. -0.000 min

Lab File: VW020501.D

Acq: 14 Oct 2021 17:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 145576 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 31.5  | 21.9  | 40.7   |
| 83       | 13.0  | 9.0   | 16.6   |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034



#20

cis-1,2-Dichloroethene

Concen: 26.568 ug/L

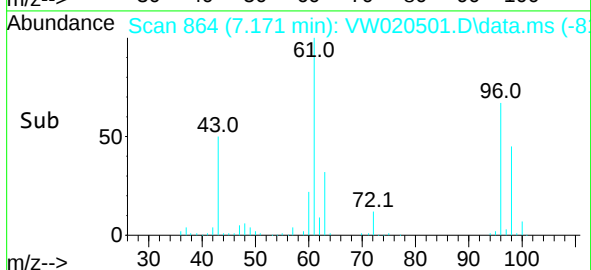
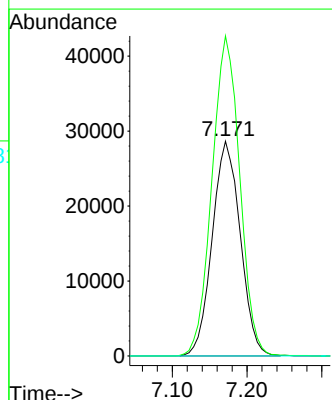
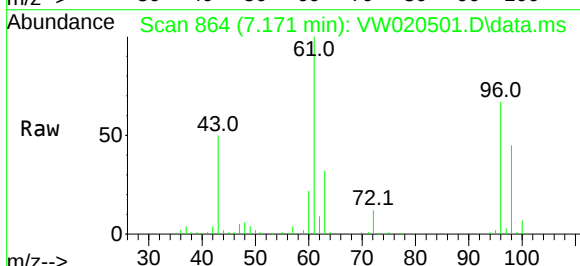
RT: 7.171 min Scan# 864

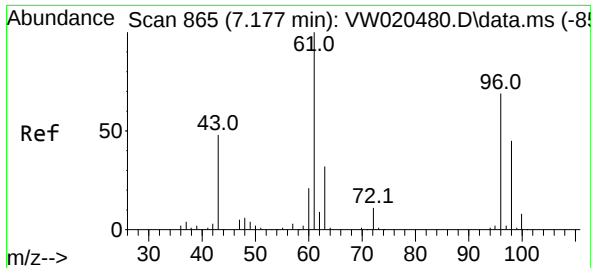
Delta R.T. -0.006 min

Lab File: VW020501.D

Acq: 14 Oct 2021 17:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 74756 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 149.0 | 100.3 | 186.3 |
| 68       | 0.0   | 0.0   | 0.0   |

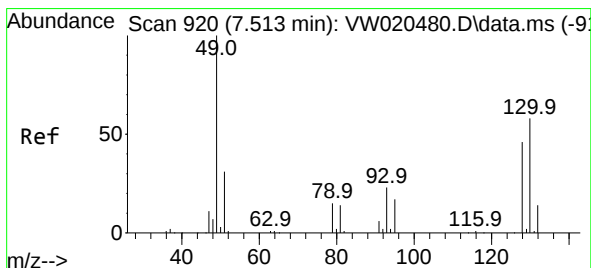
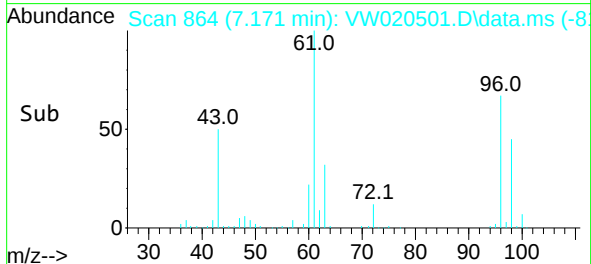
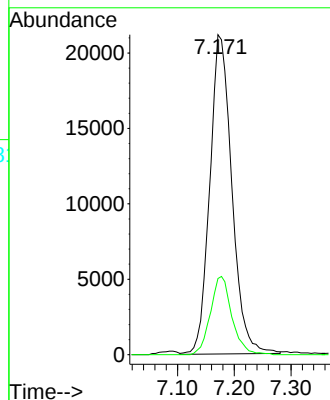
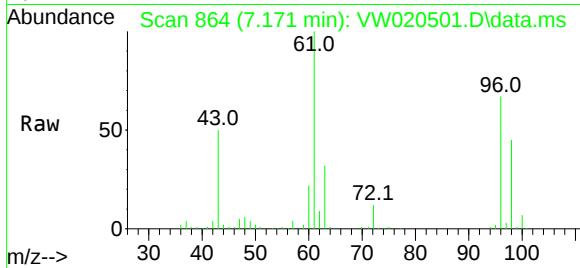




#22  
2-Butanone  
Concen: 61.199 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

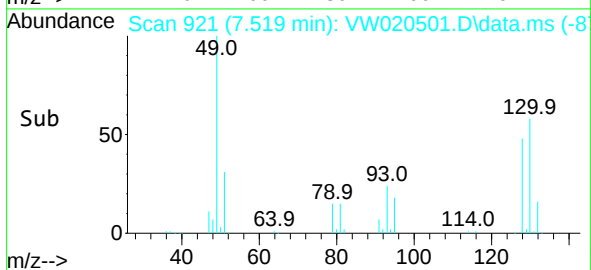
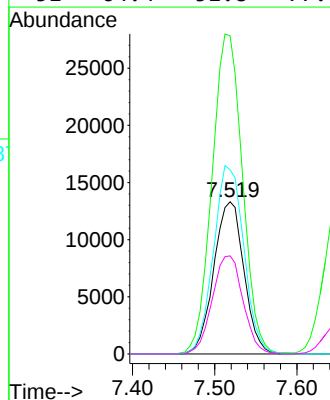
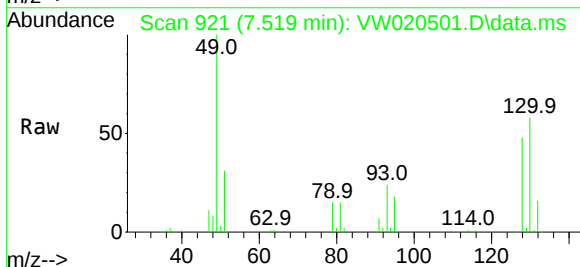
Instrument :  
MSVOA\_W  
ClientSampleID :  
VSTD025034

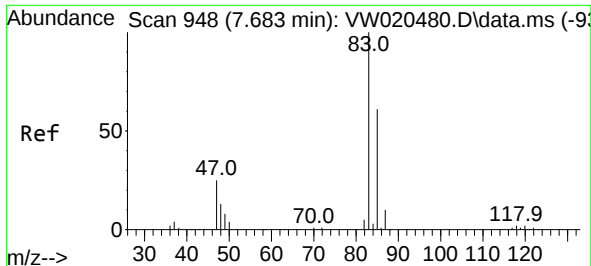
Tgt Ion: 43 Resp: 57156  
Ion Ratio Lower Upper  
43 100  
72 23.8 12.2 36.6



#23  
Bromochloromethane  
Concen: 27.512 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 128 Resp: 33952  
Ion Ratio Lower Upper  
128 100  
49 209.1 144.1 267.7  
130 121.0 89.2 165.6  
51 64.4 51.8 77.8

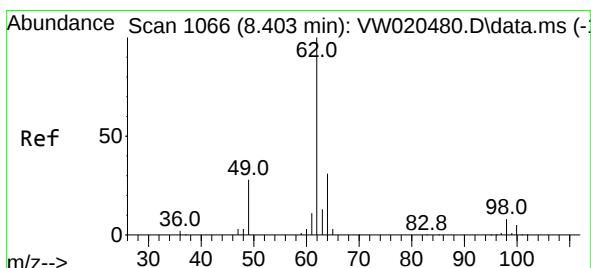
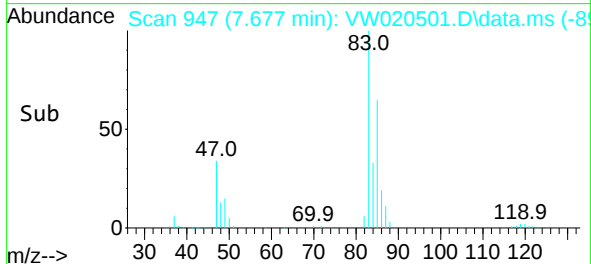
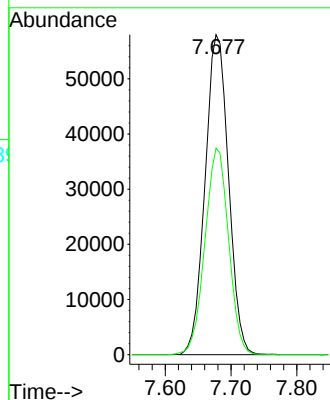
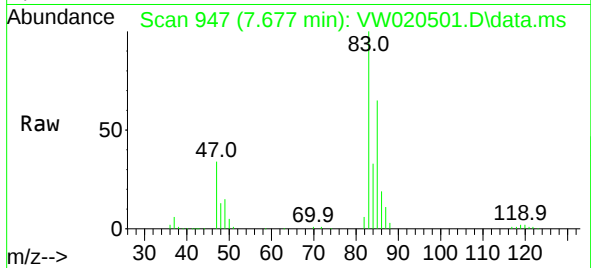




#25  
Chloroform  
Concen: 26.661 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

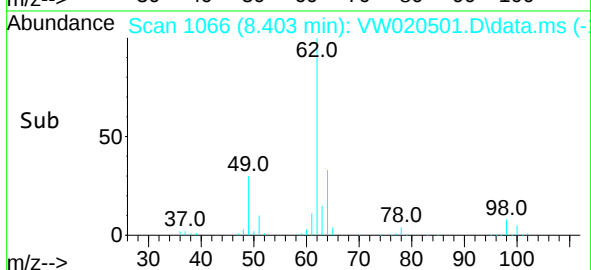
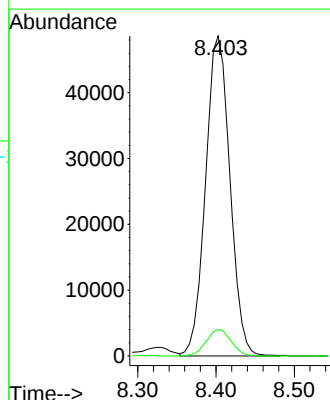
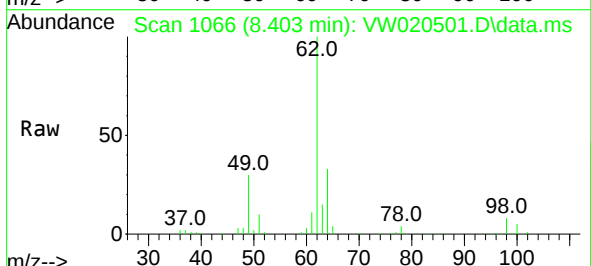
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

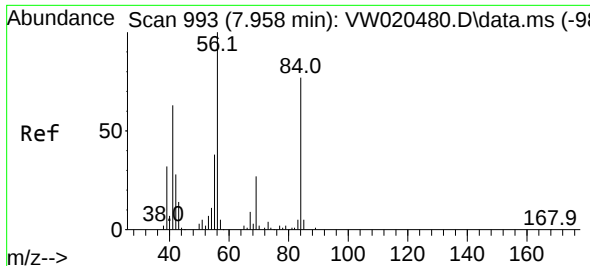
Tgt Ion: 83 Resp: 143838  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 28.503 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

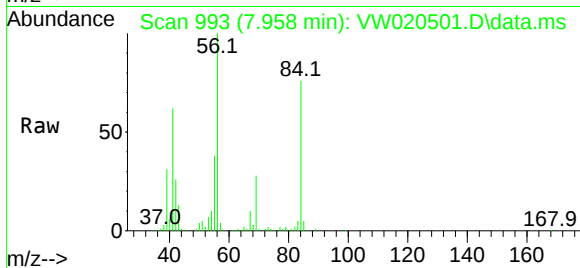
Tgt Ion: 62 Resp: 105177  
Ion Ratio Lower Upper  
62 100  
98 8.2 6.6 10.0



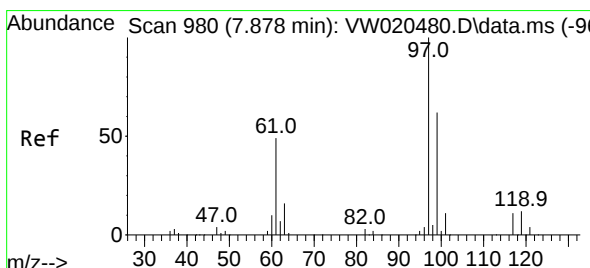
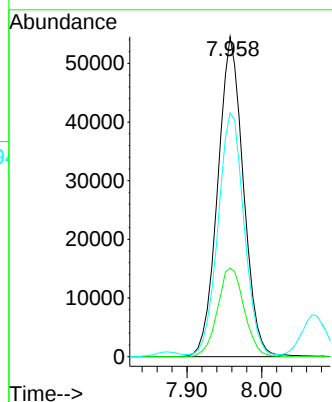
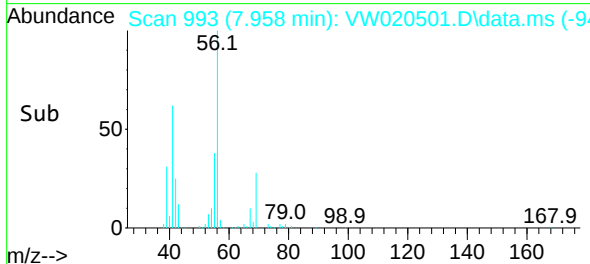


#29  
Cyclohexane  
Concen: 25.260 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

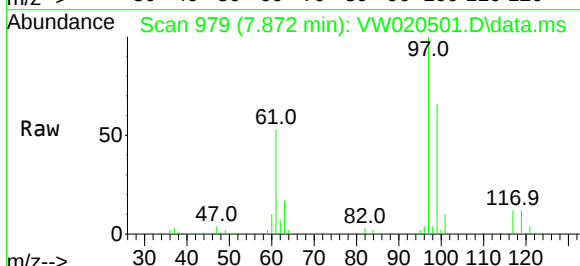
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034



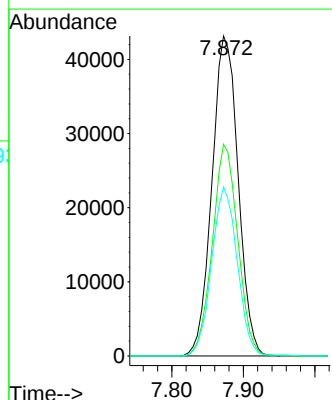
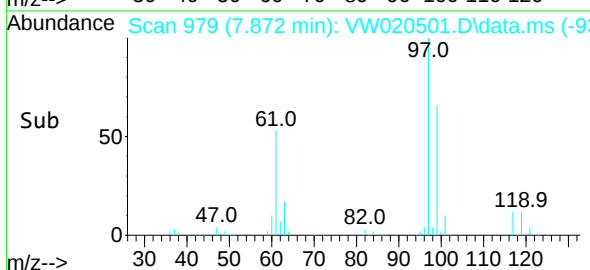
Tgt Ion: 56 Resp: 129741  
Ion Ratio Lower Upper  
56 100  
69 28.8 23.2 34.8  
84 78.3 63.7 95.5

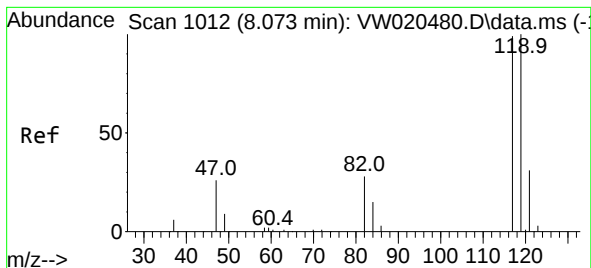


#30  
1,1,1-Trichloroethane  
Concen: 25.161 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59



Tgt Ion: 97 Resp: 109660  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.4 77.0  
61 51.7 41.0 61.6

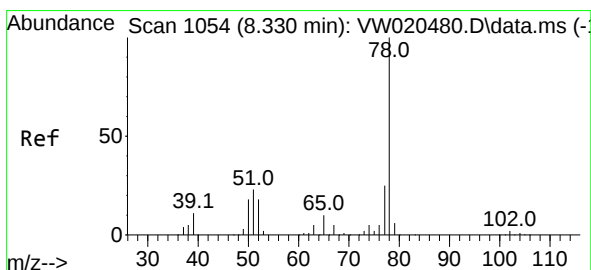
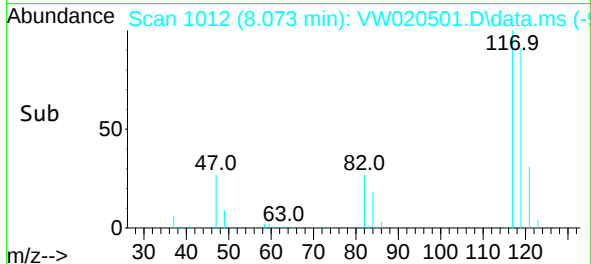
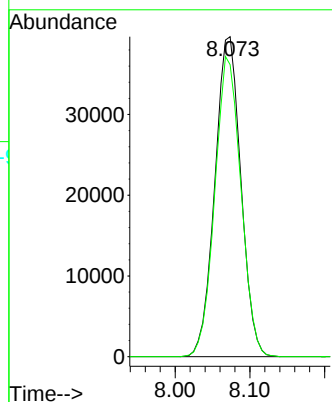
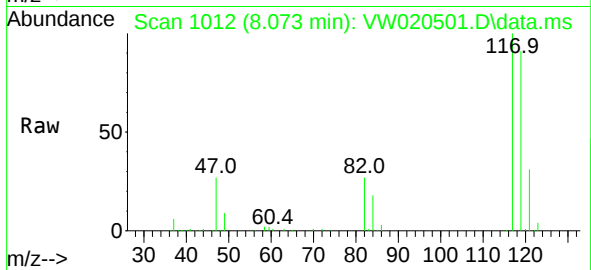




#31  
Carbon tetrachloride  
Concen: 25.059 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

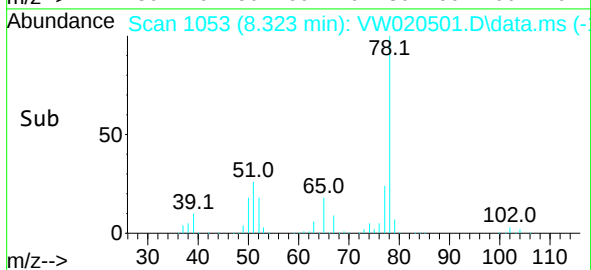
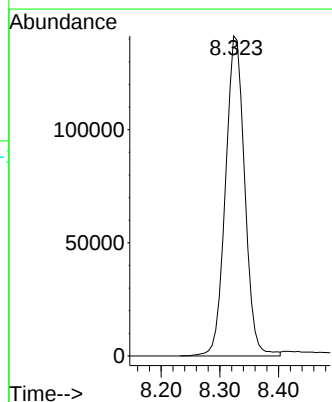
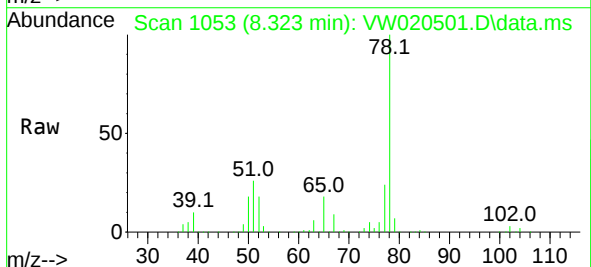
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

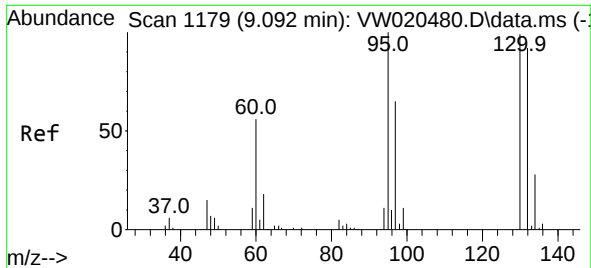
Tgt Ion:117 Resp: 96021  
Ion Ratio Lower Upper  
117 100  
119 94.1 77.0 115.4



#33  
Benzene  
Concen: 25.762 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 78 Resp: 321915



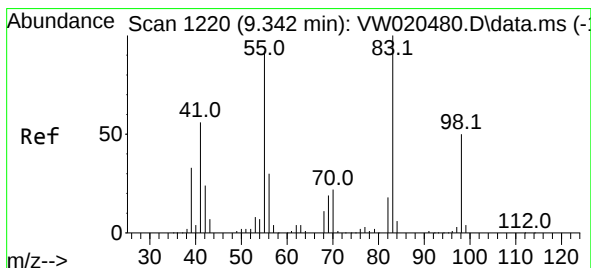
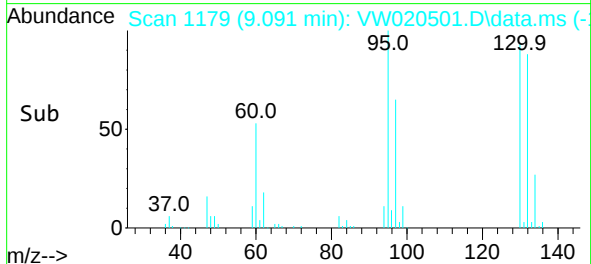
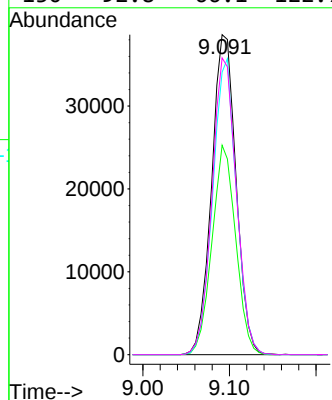
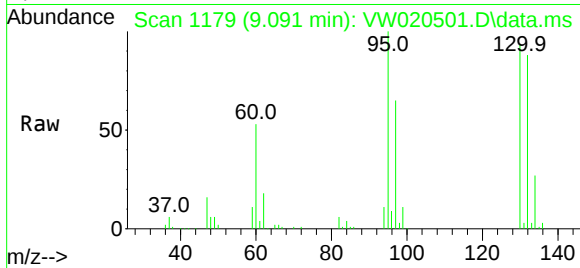


#34  
Trichloroethene  
Concen: 24.553 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

Tgt Ion: 95 Resp: 75585

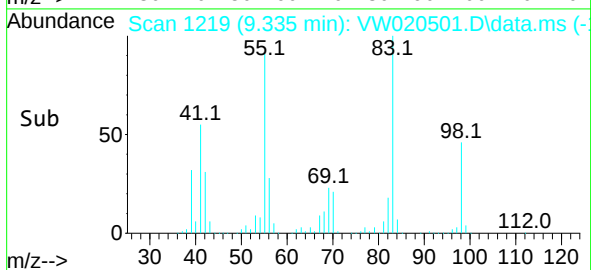
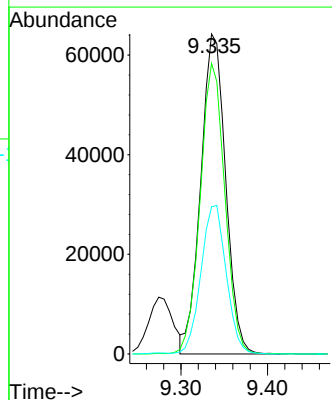
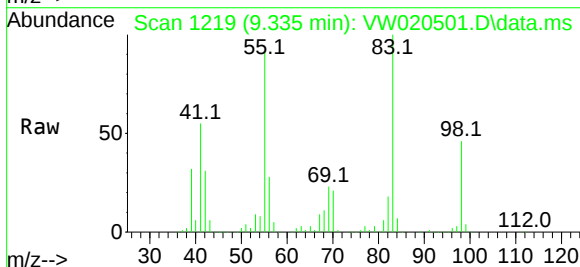
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.4  | 43.2  | 80.2  |
| 132 | 88.3  | 62.3  | 115.7 |
| 130 | 92.8  | 66.1  | 122.7 |

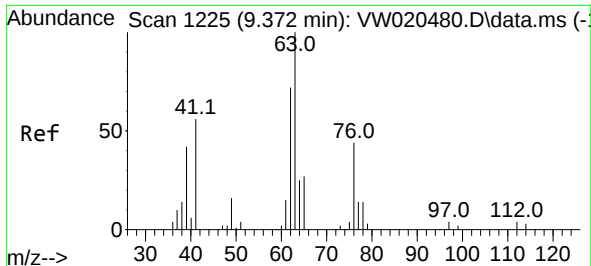


#35  
Methylcyclohexane  
Concen: 24.372 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 83 Resp: 128394

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 89.8  | 69.7  | 104.5 |
| 98  | 47.2  | 38.2  | 57.2  |

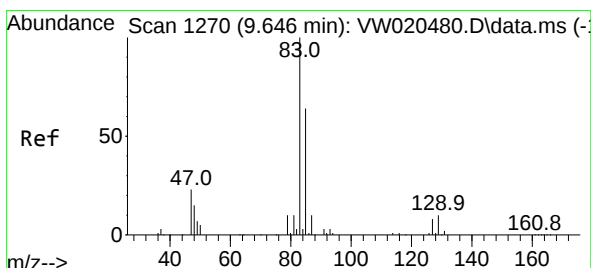
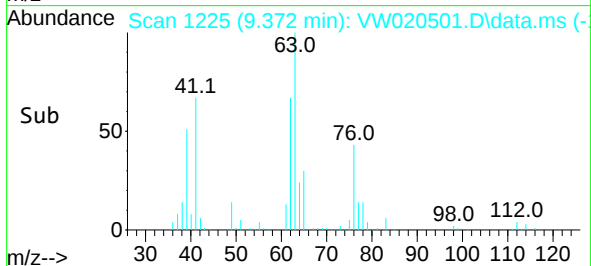
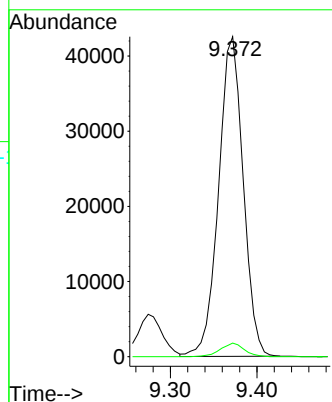
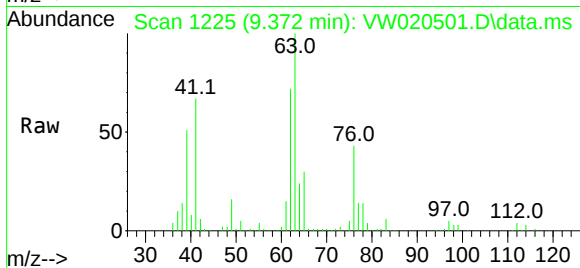




#37  
1,2-Dichloropropane  
Concen: 25.920 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

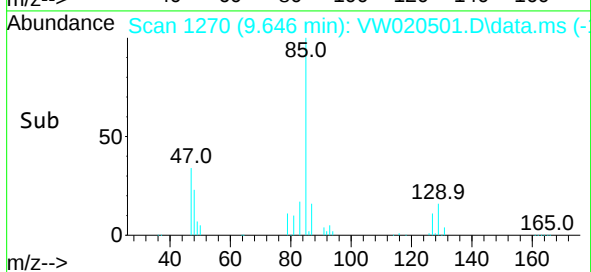
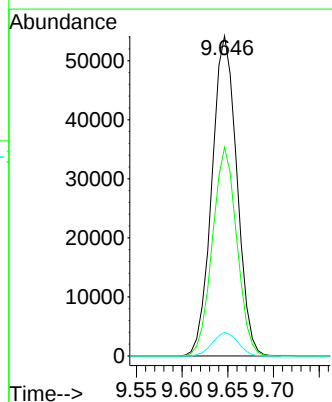
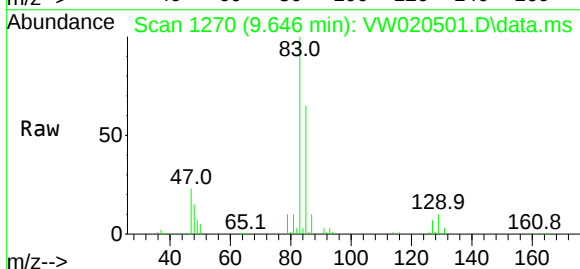
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

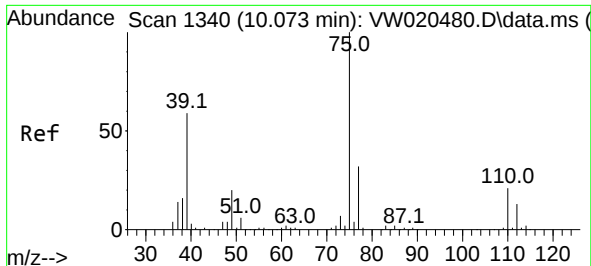
Tgt Ion: 63 Resp: 83876  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.5 5.3



#38  
Bromodichloromethane  
Concen: 26.526 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 83 Resp: 102915  
Ion Ratio Lower Upper  
83 100  
85 65.2 43.4 80.6  
127 7.4 6.2 9.2

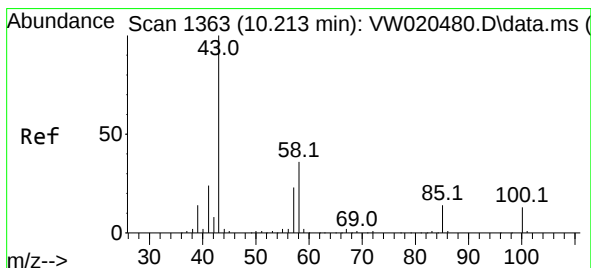
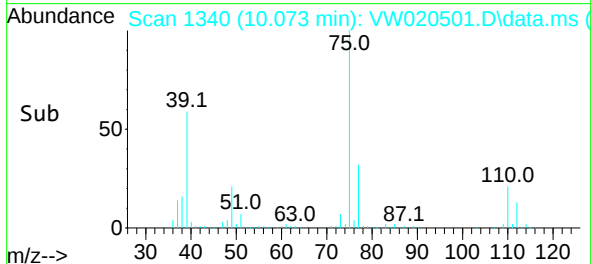
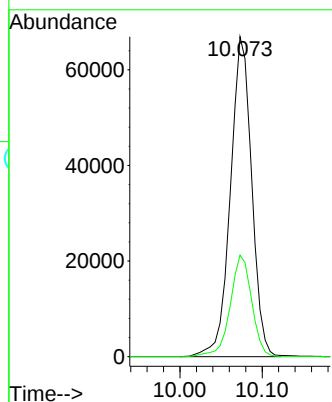
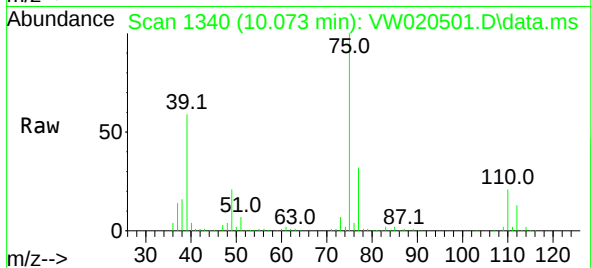




#39  
cis-1,3-Dichloropropene  
Concen: 26.994 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

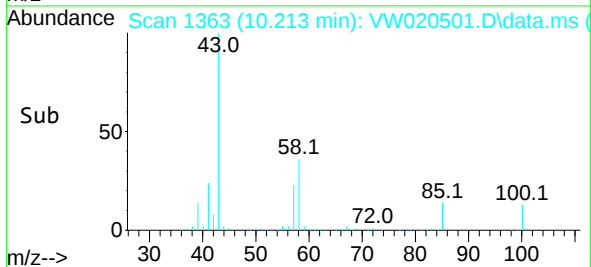
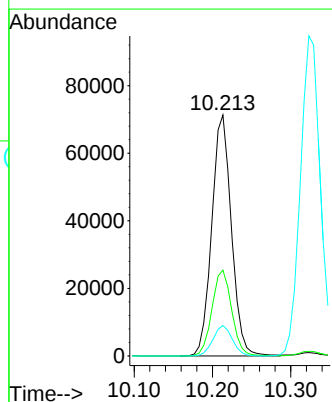
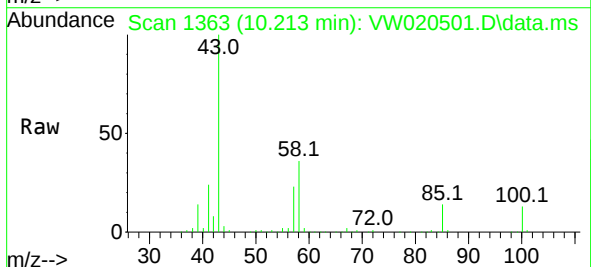
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

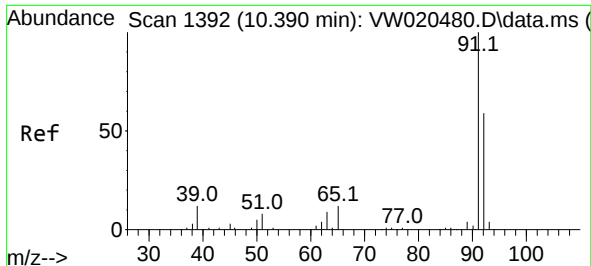
Tgt Ion: 75 Resp: 120519  
Ion Ratio Lower Upper  
75 100  
77 31.8 22.4 41.6



#40  
4-Methyl-2-pentanone  
Concen: 63.968 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 43 Resp: 124240  
Ion Ratio Lower Upper  
43 100  
58 35.5 29.0 43.4  
100 12.5 10.2 15.4

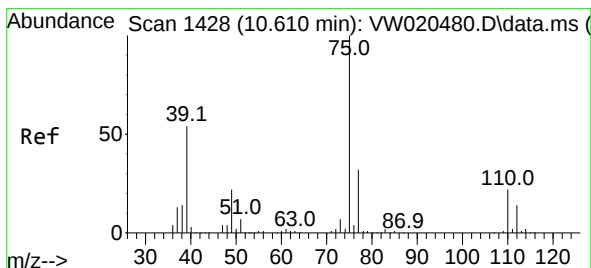
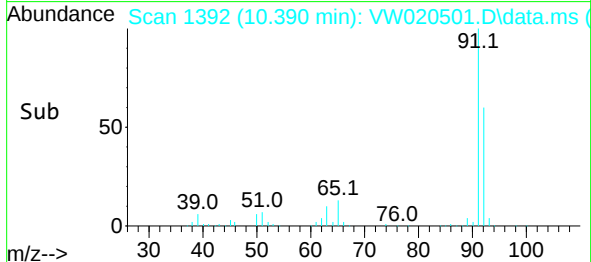
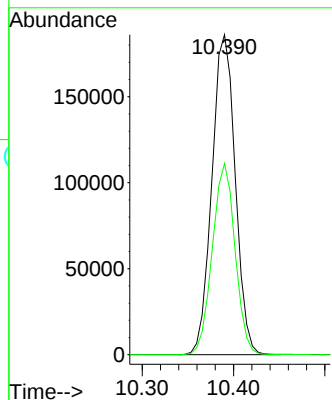
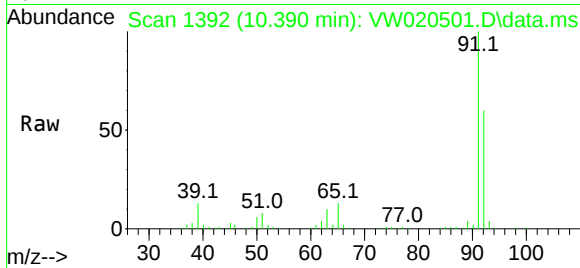




#42  
Toluene  
Concen: 26.309 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

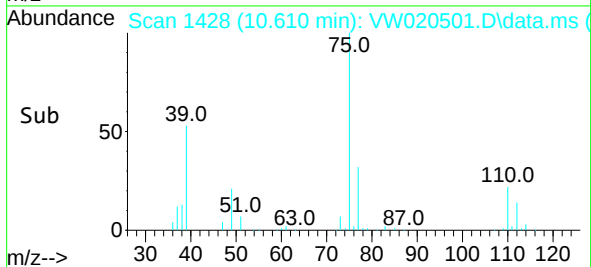
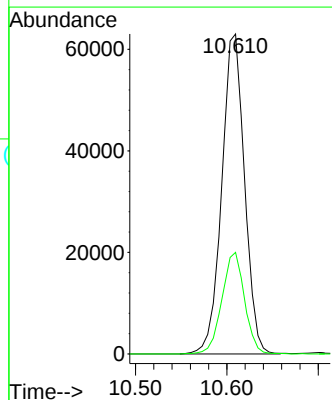
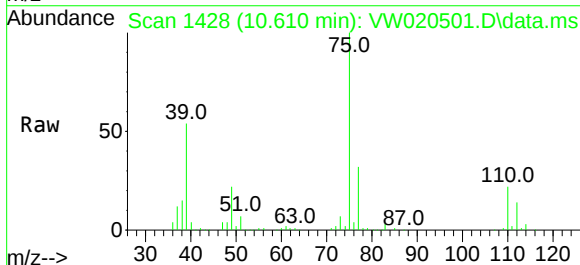
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

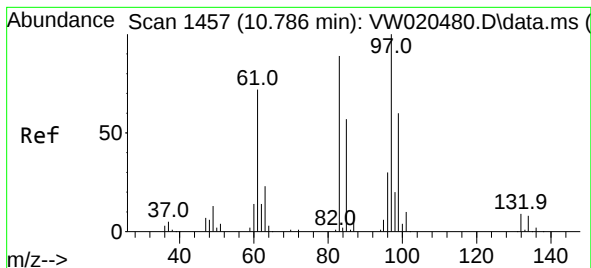
Tgt Ion: 91 Resp: 329747  
Ion Ratio Lower Upper  
91 100  
92 59.8 41.5 77.1



#44  
trans-1,3-Dichloropropene  
Concen: 27.708 ug/L  
RT: 10.610 min Scan# 1428  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 75 Resp: 109055  
Ion Ratio Lower Upper  
75 100  
77 31.8 21.8 40.4



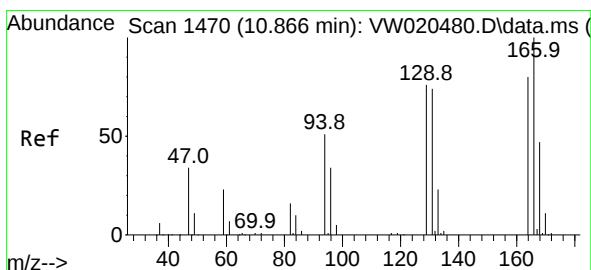
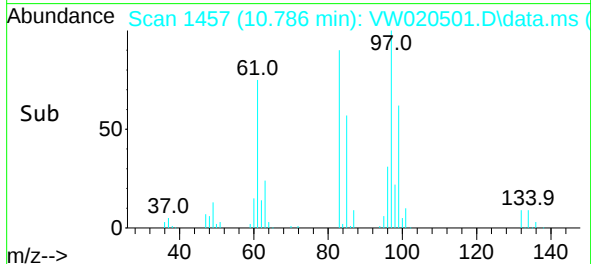
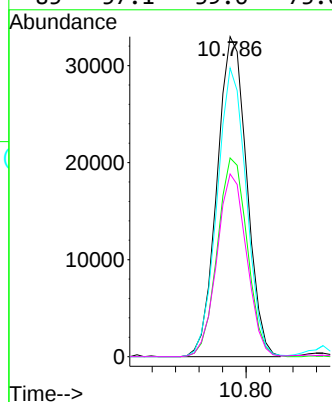
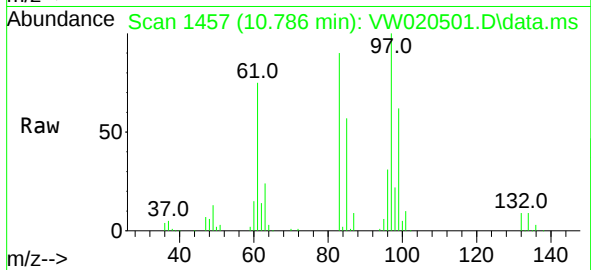


#45  
1,1,2-Trichloroethane  
Concen: 27.903 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

Tgt Ion: 97 Resp: 57973

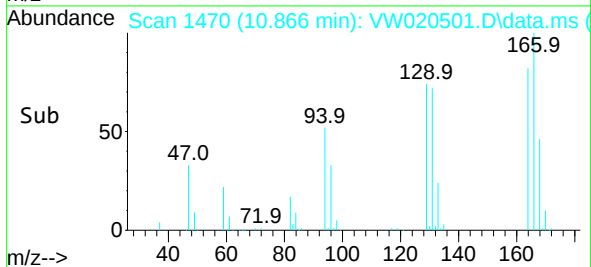
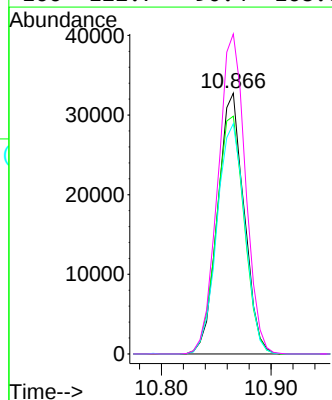
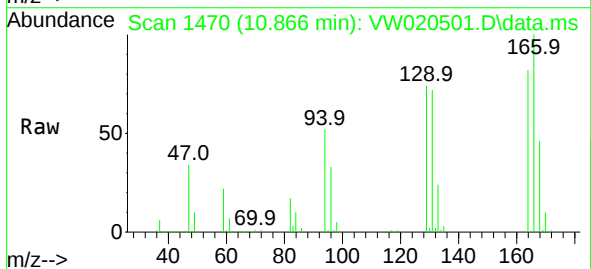
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.1  | 42.8  | 79.4  |
| 83  | 90.2  | 60.9  | 113.1 |
| 85  | 57.1  | 39.6  | 73.6  |

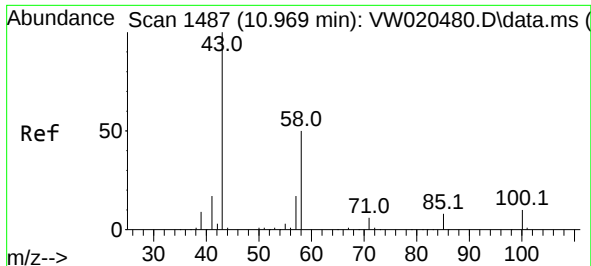


#46  
Tetrachloroethene  
Concen: 24.789 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 164 Resp: 54813

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.2  | 69.1  | 128.3 |
| 131 | 88.3  | 58.3  | 108.3 |
| 166 | 122.7 | 90.4  | 168.0 |

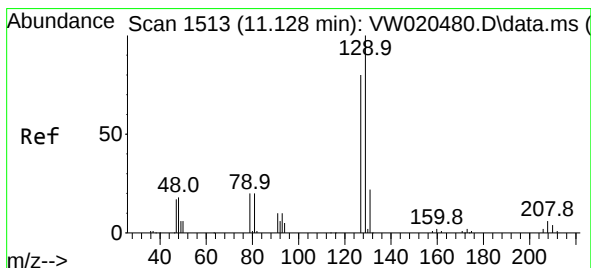
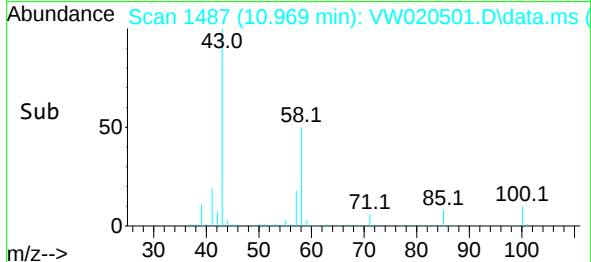
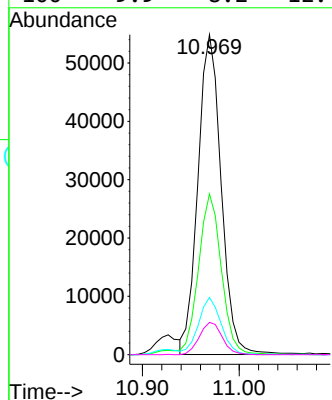
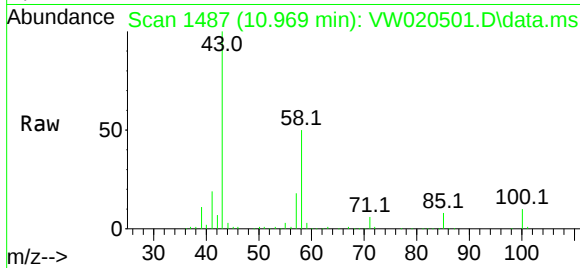




#48  
2-Hexanone  
Concen: 64.330 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

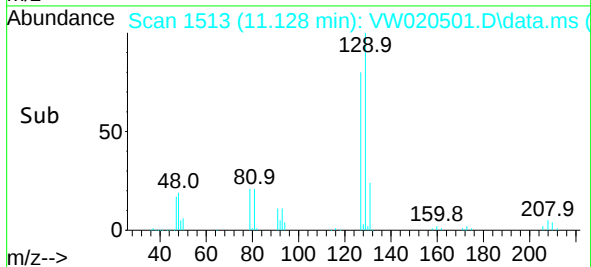
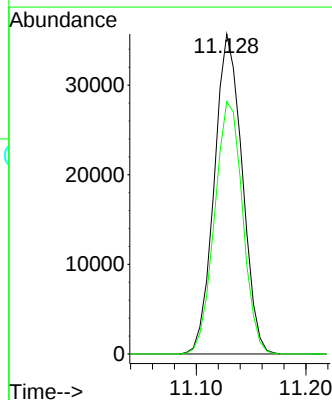
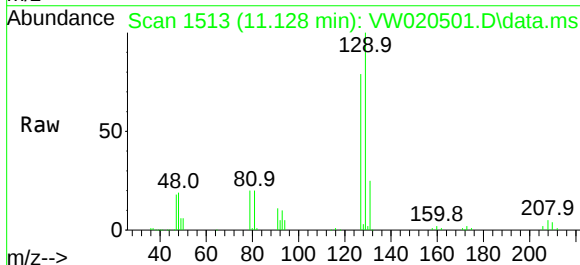
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

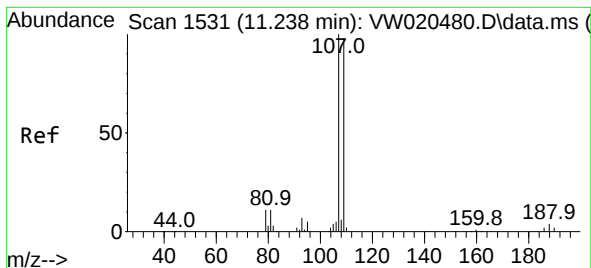
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 91669 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 49.6  | 39.5  | 59.3  |
| 57       | 17.5  | 14.2  | 21.4  |
| 100      | 9.9   | 8.2   | 12.4  |



#49  
Dibromochloromethane  
Concen: 27.566 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 63098 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 78.9  | 55.1  | 102.3 |

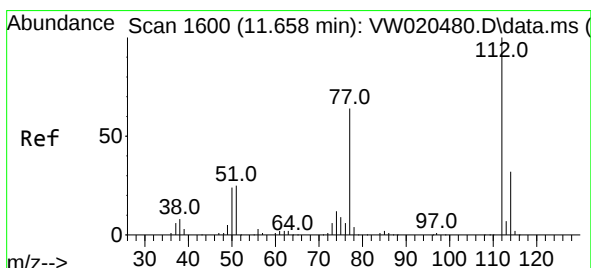
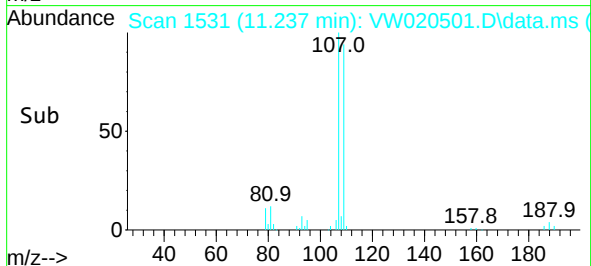
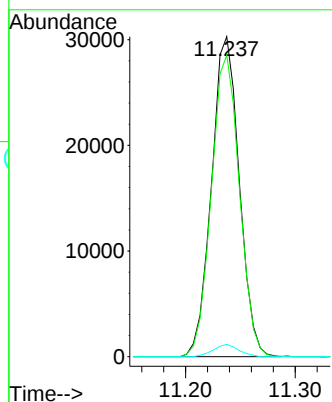
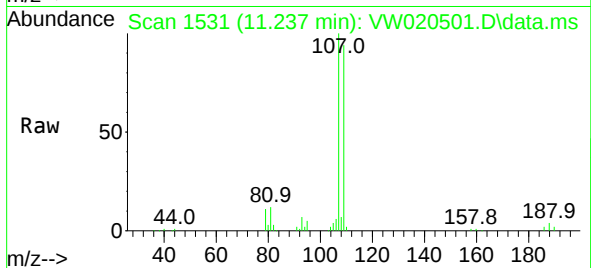




#50  
1,2-Dibromoethane  
Concen: 27.891 ug/L  
RT: 11.237 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

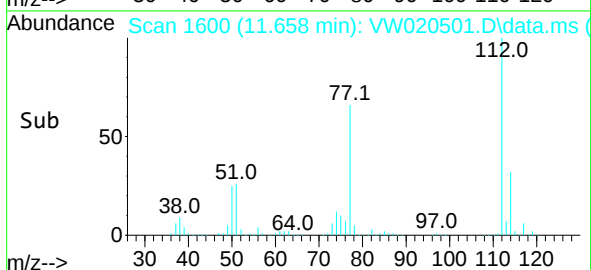
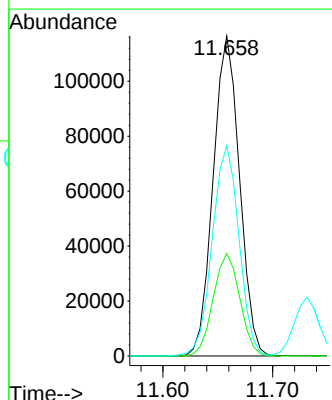
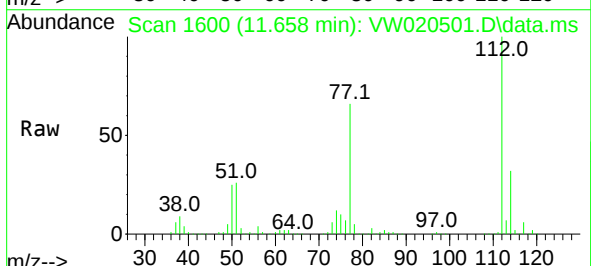
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

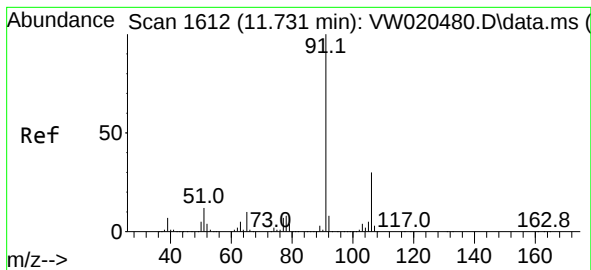
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 53229 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 94.2  | 64.5  | 119.9 |
| 188      | 3.8   | 3.2   | 4.8   |



#51  
Chlorobenzene  
Concen: 25.180 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 194617 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.0  | 22.3  | 41.5   |
| 77       | 65.7  | 50.7  | 76.1   |

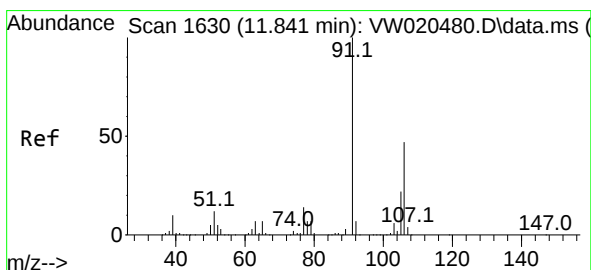
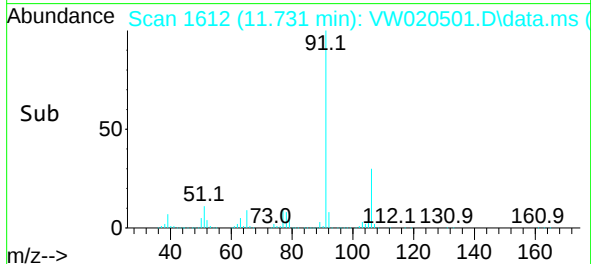
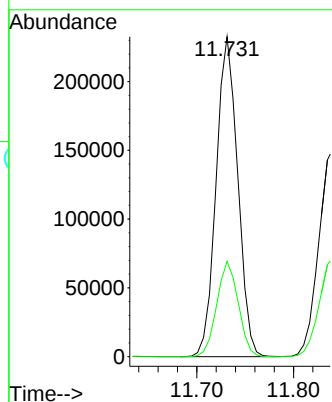
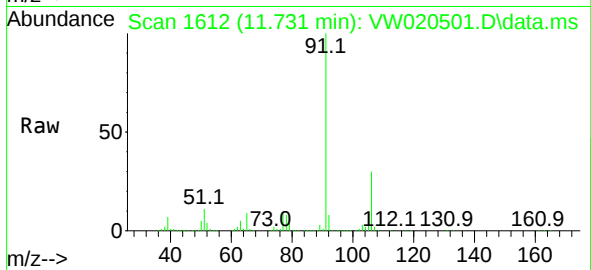




#52  
Ethylbenzene  
Concen: 26.529 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

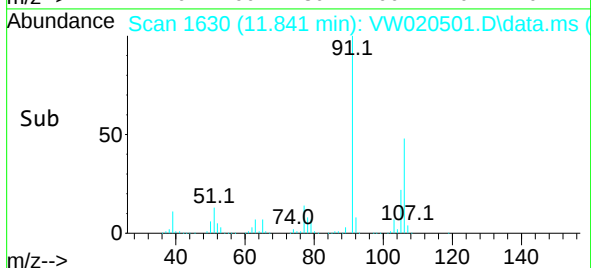
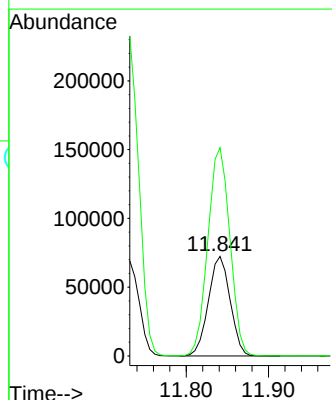
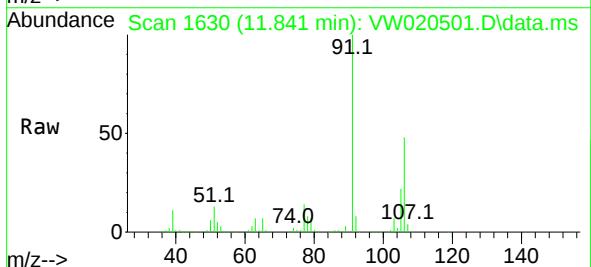
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

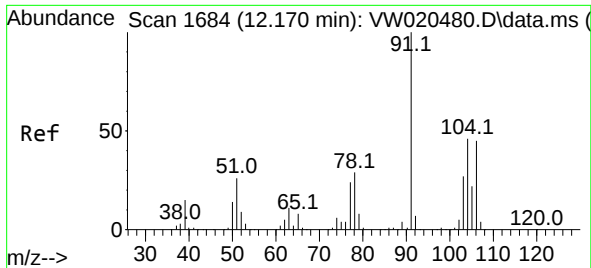
Tgt Ion: 91 Resp: 360571  
Ion Ratio Lower Upper  
91 100  
106 29.7 21.3 39.5



#53  
m,p-Xylene  
Concen: 26.478 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 106 Resp: 133344  
Ion Ratio Lower Upper  
106 100  
91 209.3 148.2 275.2

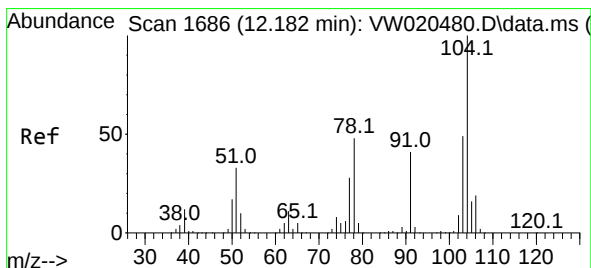
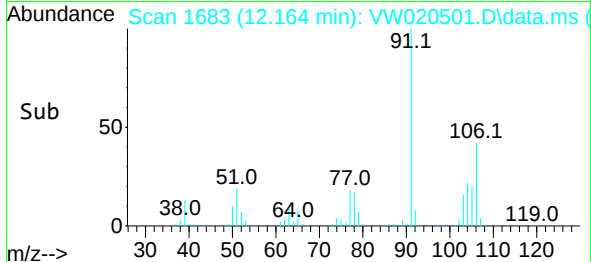
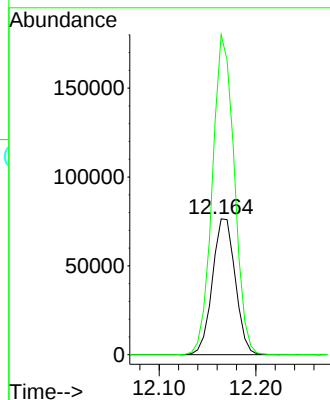
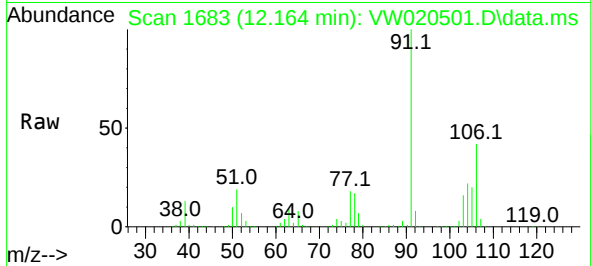




#54  
o-Xylene  
Concen: 26.972 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

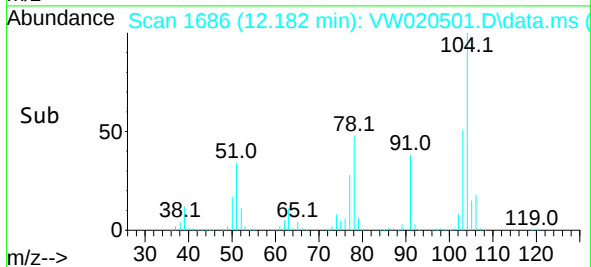
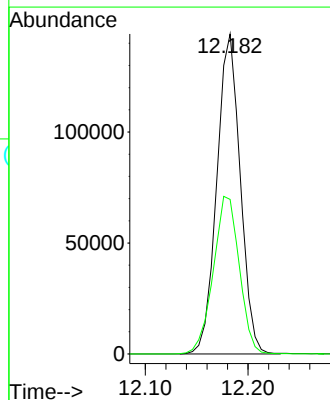
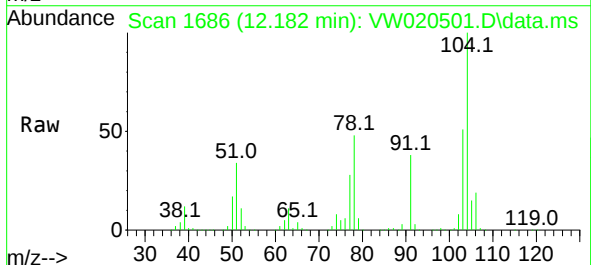
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

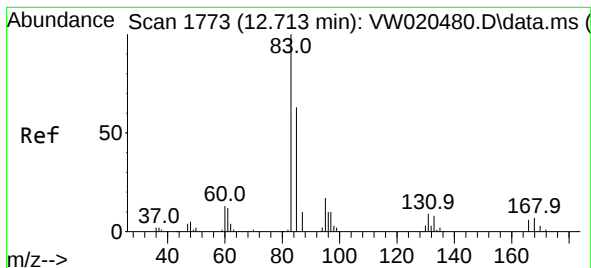
Tgt Ion:106 Resp: 125440  
Ion Ratio Lower Upper  
106 100  
91 235.5 156.1 289.9



#55  
Styrene  
Concen: 28.066 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion:104 Resp: 228227  
Ion Ratio Lower Upper  
104 100  
78 48.3 33.2 61.7

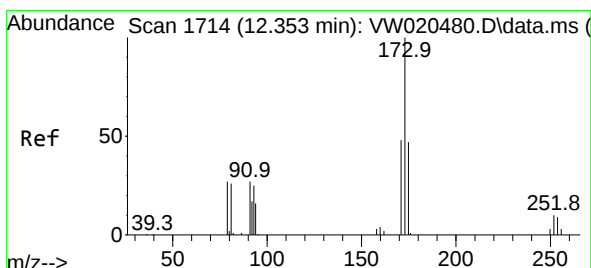
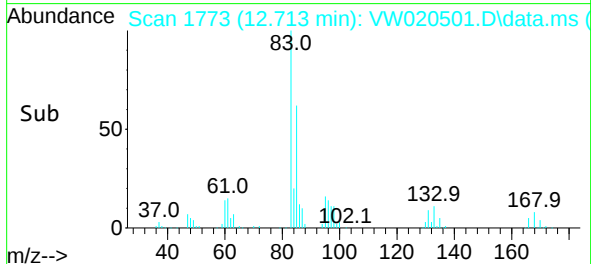
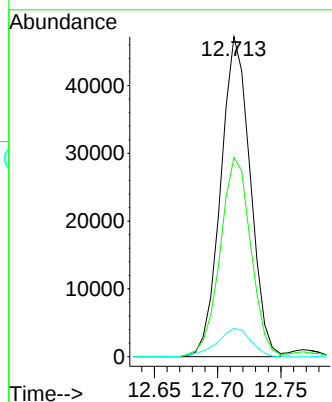
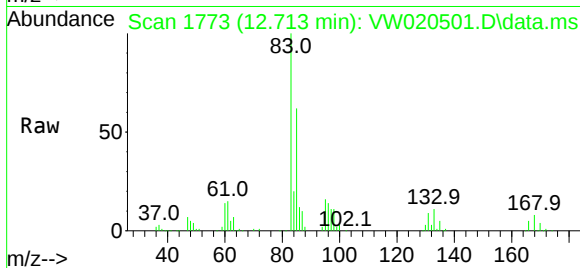




#57  
1,1,2,2-Tetrachloroethane  
Concen: 29.662 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

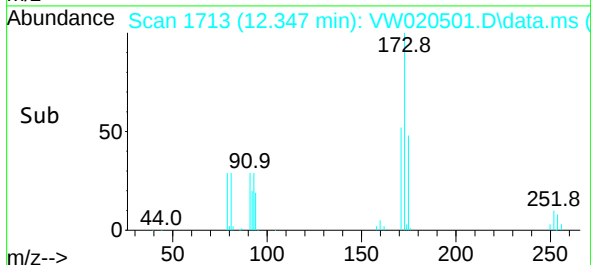
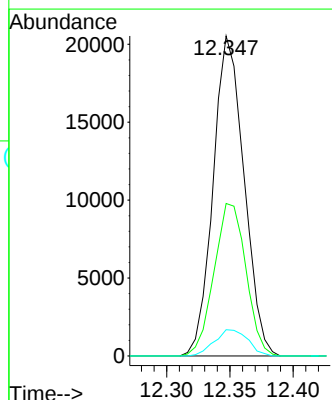
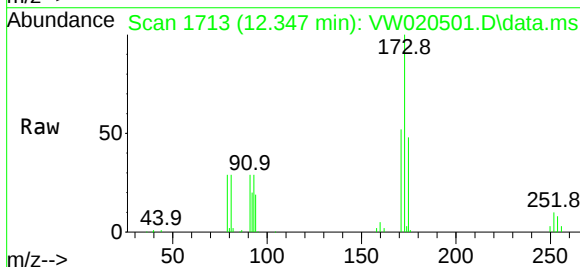
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

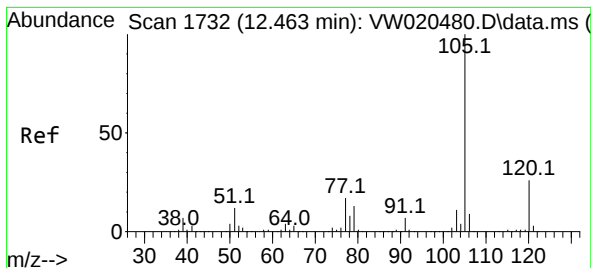
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 76400 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 62.3  | 45.9  | 85.3  |
| 131       | 8.9   | 7.4   | 11.2  |



#59  
Bromoform  
Concen: 27.558 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 34854 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.3  | 38.6  | 57.8  |
| 254       | 8.9   | 7.3   | 10.9  |

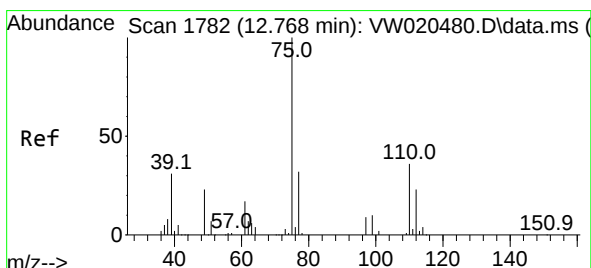
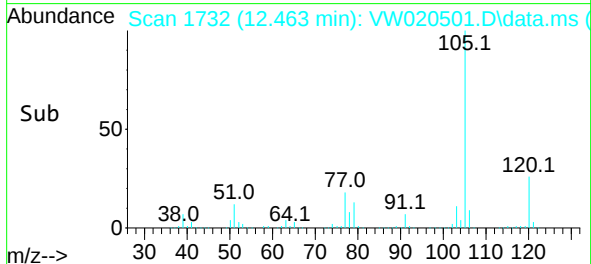
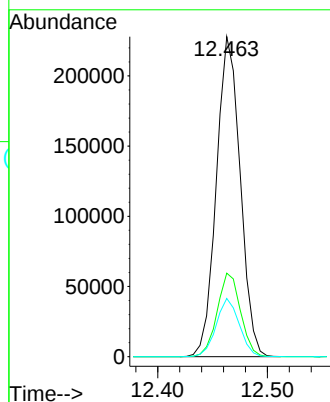
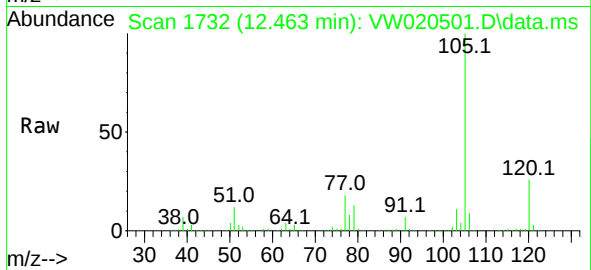




#60  
Isopropylbenzene  
Concen: 26.012 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

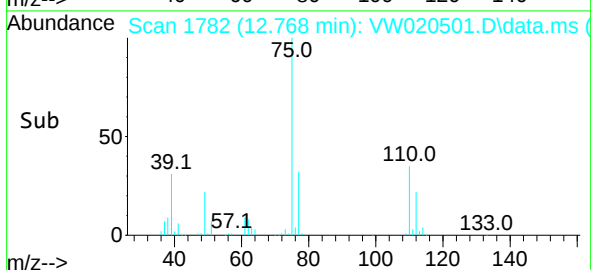
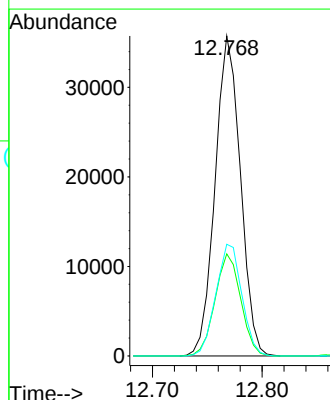
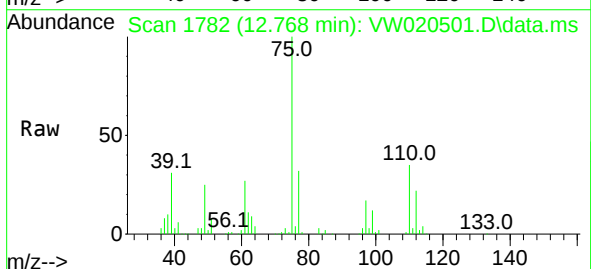
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

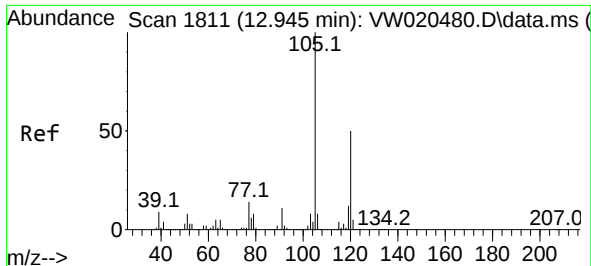
Tgt Ion:105 Resp: 344679  
Ion Ratio Lower Upper  
105 100  
120 25.5 20.3 30.5  
77 17.6 13.8 20.6



#61  
1,2,3-Trichloropropane  
Concen: 28.867 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 75 Resp: 57414  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.1 37.7  
110 35.8 29.4 44.0

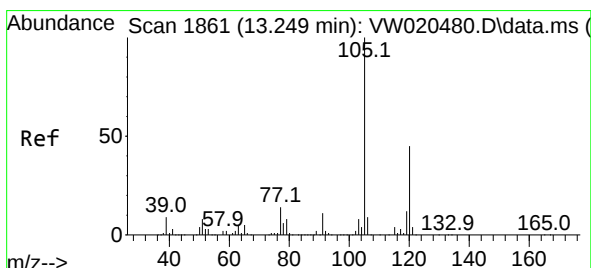
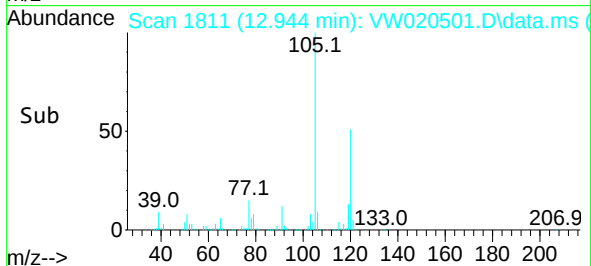
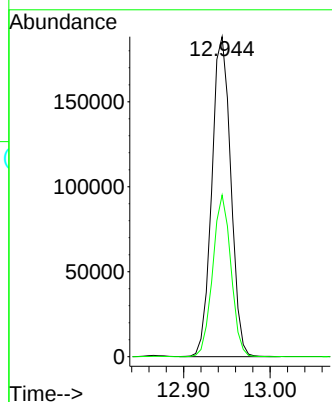
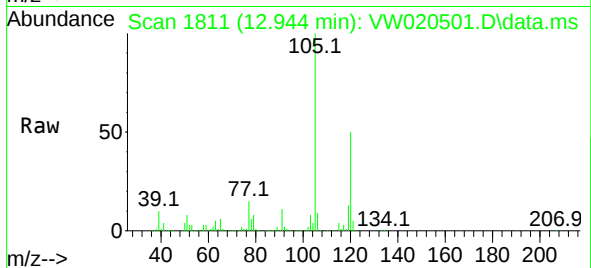




#62  
1,3,5-Trimethylbenzene  
Concen: 26.490 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

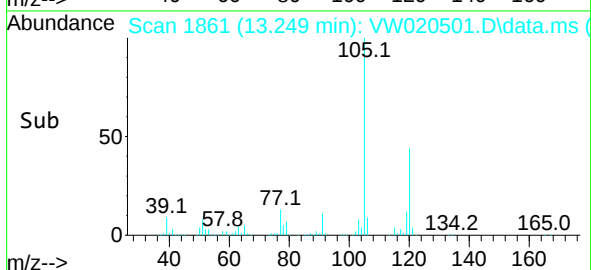
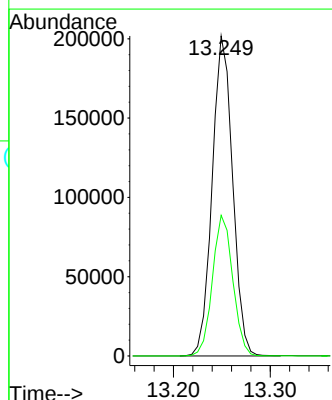
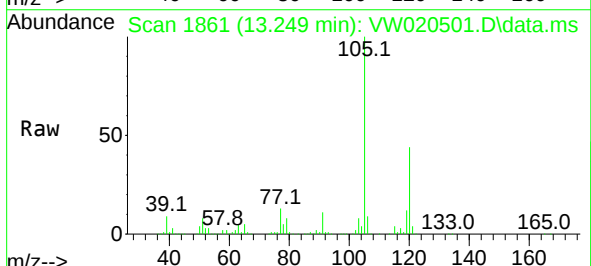
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

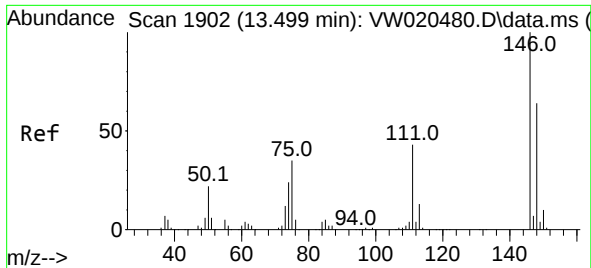
Tgt Ion:105 Resp: 286597  
Ion Ratio Lower Upper  
105 100  
120 48.6 37.9 56.9



#63  
1,2,4-Trimethylbenzene  
Concen: 27.628 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion:105 Resp: 296072  
Ion Ratio Lower Upper  
105 100  
120 43.7 35.4 53.2

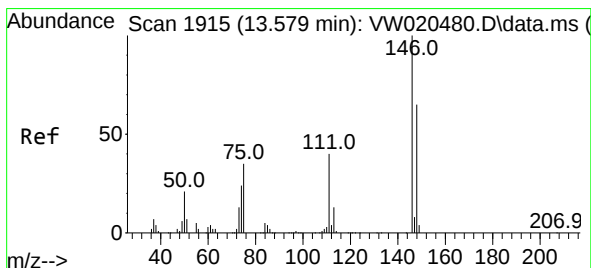
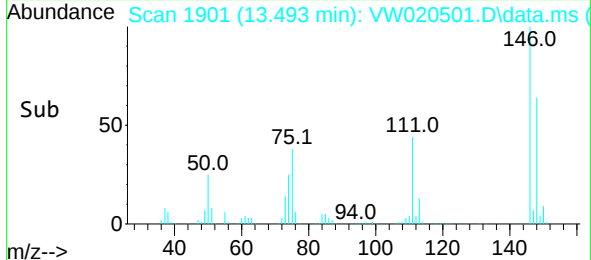
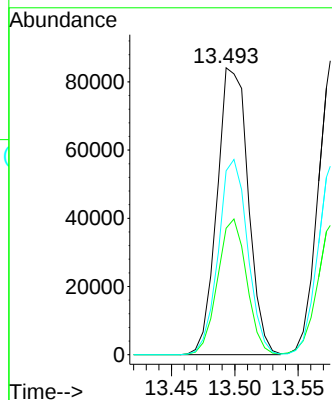
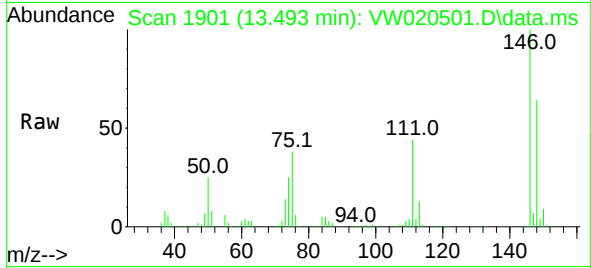




#64  
1,3-Dichlorobenzene  
Concen: 25.090 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. -0.006 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

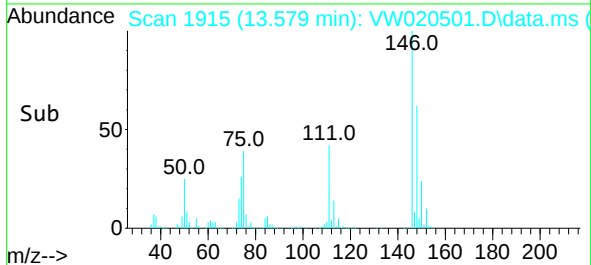
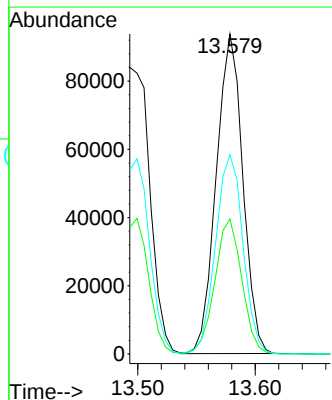
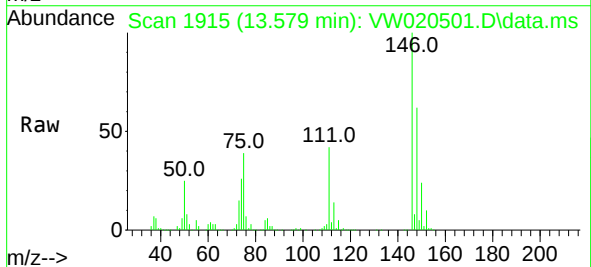
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD025034

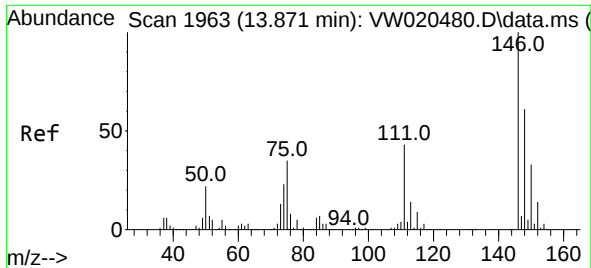
Tgt Ion:146 Resp: 143849  
Ion Ratio Lower Upper  
146 100  
111 44.1 29.0 53.8  
148 64.1 42.4 78.6



#65  
1,4-Dichlorobenzene  
Concen: 24.853 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion:146 Resp: 147388  
Ion Ratio Lower Upper  
146 100  
111 42.2 30.9 57.5  
148 62.3 46.1 85.7

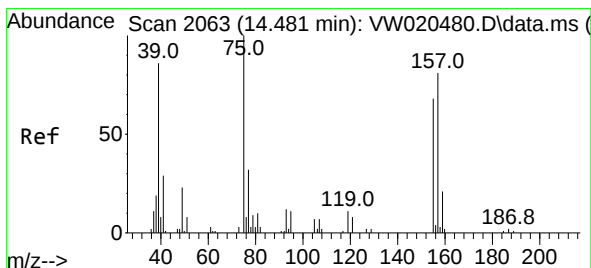
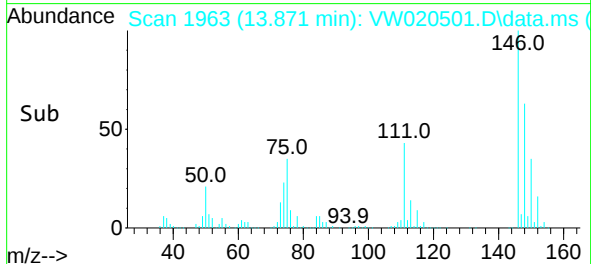
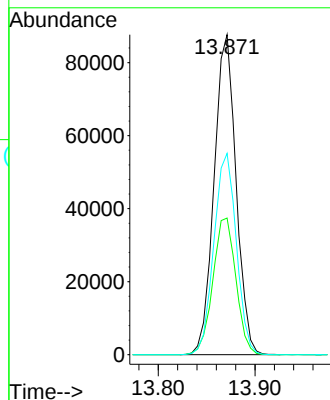
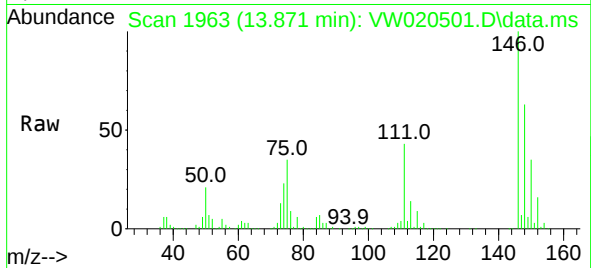




#67  
1,2-Dichlorobenzene  
Concen: 26.323 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

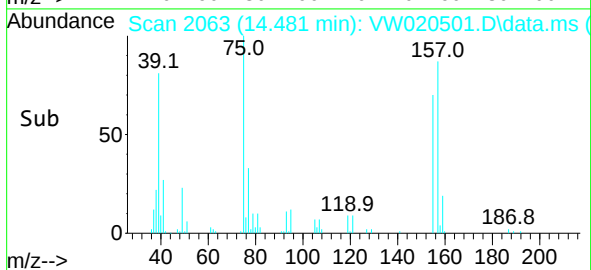
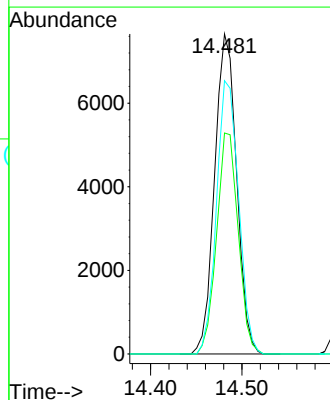
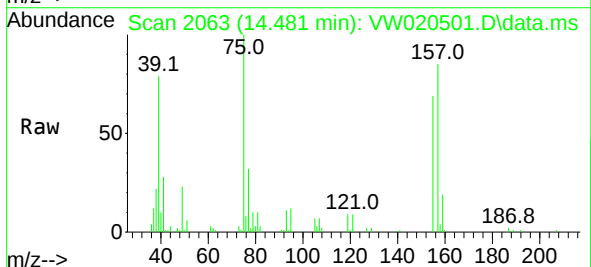
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

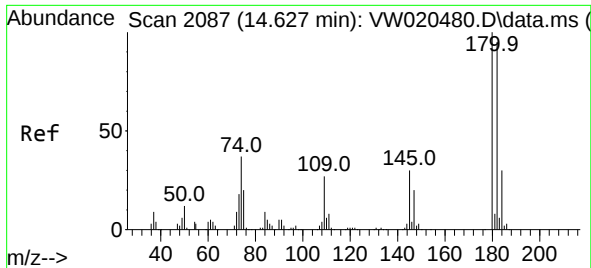
Tgt Ion:146 Resp: 138267  
Ion Ratio Lower Upper  
146 100  
111 42.7 33.9 50.9  
148 62.9 51.0 76.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 30.265 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion: 75 Resp: 12786  
Ion Ratio Lower Upper  
75 100  
155 69.1 51.4 77.0  
157 85.4 70.8 106.2

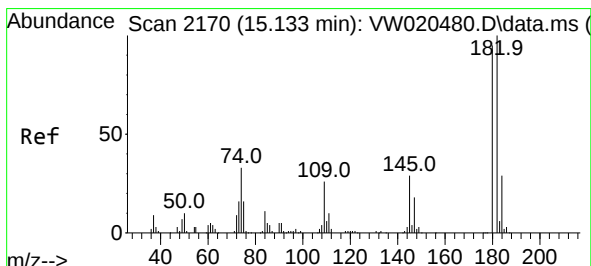
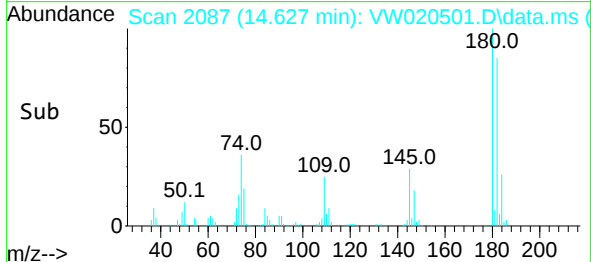
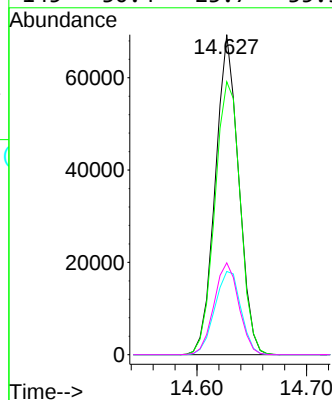
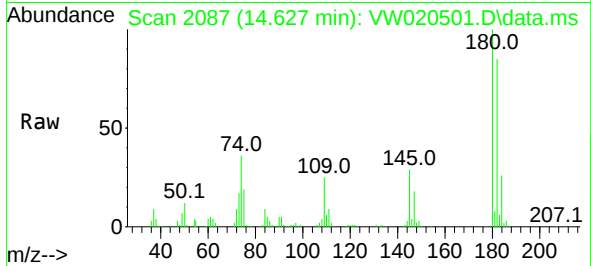




#69  
1,3,5-Trichlorobenzene  
Concen: 25.156 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

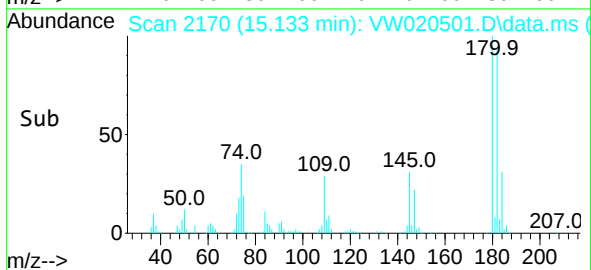
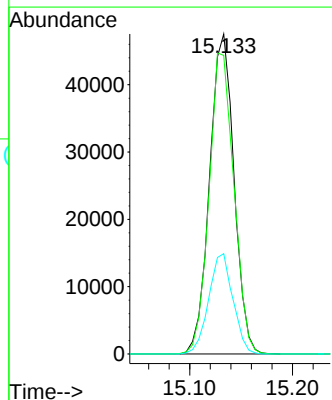
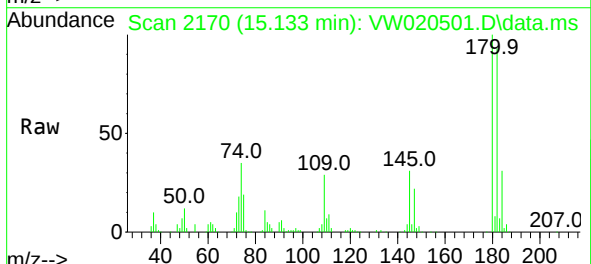
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034

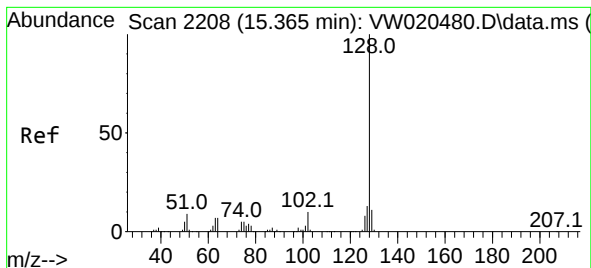
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 102844 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 92.7  | 73.4  | 110.0  |
| 184       | 29.0  | 24.2  | 36.4   |
| 145       | 30.4  | 23.7  | 35.5   |



#70  
1,2,4-trichlorobenzene  
Concen: 24.183 ug/L  
RT: 15.133 min Scan# 2170  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

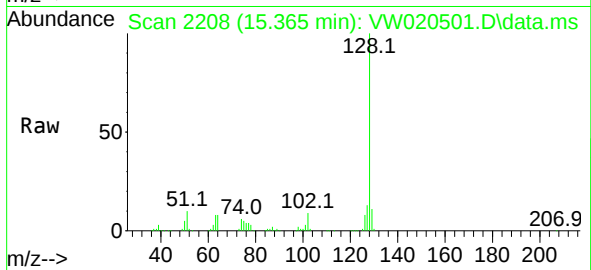
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 78287 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.8  | 75.8  | 113.8 |
| 145       | 31.2  | 24.8  | 37.2  |



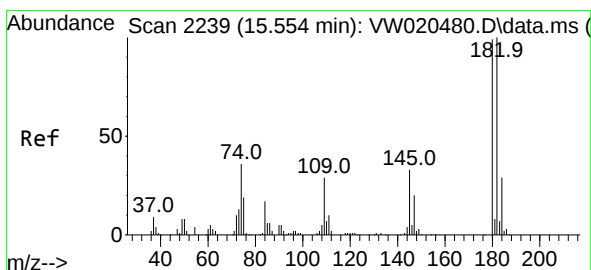
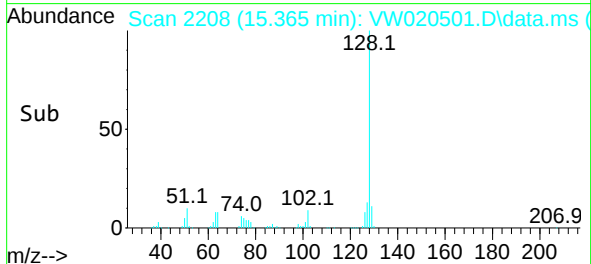
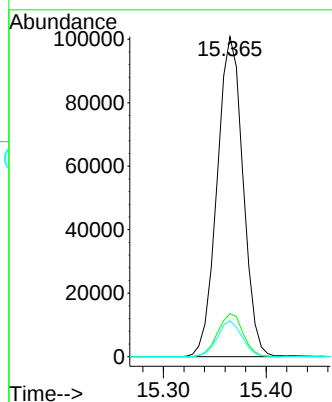


#71  
Naphthalene  
Concen: 30.282 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025034



Tgt Ion:128 Resp: 176252  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.5 15.7  
129 10.7 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 26.872 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: VW020501.D  
Acq: 14 Oct 2021 17:59

Tgt Ion:180 Resp: 76402  
Ion Ratio Lower Upper  
180 100  
182 97.2 74.8 112.2  
145 33.8 26.2 39.4

