

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021921\  
 Data File : VW018208.D  
 Acq On : 19 Feb 2021 12:09  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD02531

Quant Time: Feb 19 17:11:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 18 06:15:22 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 370329   | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 329499   | 25.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 180816   | 25.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 89630    | 19.47    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 77.88%   |
| 7) Chloroethane-d5            | 2.892  | 69    | 80626    | 22.07    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.28%   |
| 10) 1,1-Dichloroethene-d2     | 4.026  | 63    | 215008   | 23.37    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.48%   |
| 20) 2-Butanone-d5             | 7.074  | 46    | 67488    | 54.95    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.90%  |
| 24) Chloroform-d              | 7.647  | 84    | 252567   | 25.99    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 103.96%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 128127   | 24.75    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.00%   |
| 29) Benzene-d6                | 8.275  | 84    | 473970   | 26.20    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 104.80%  |
| 33) 1,2-Dichloropropane-d6    | 9.275  | 67    | 137166   | 27.11    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 108.44%  |
| 37) Toluene-d8                | 10.323 | 98    | 451830   | 26.25    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 105.00%  |
| 38) trans-1,3-Dichloroprop... | 10.573 | 79    | 63585    | 27.72    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 110.88%  |
| 39) 2-Hexanone-d5             | 10.921 | 63    | 58596    | 60.57    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 121.14%  |
| 48) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 130895   | 29.45    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 117.80%  |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 180706   | 28.02    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 112.08%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 113443   | 22.64    | ug/L   | 92       |
| 3) Chloromethane              | 2.215  | 50    | 87859    | 23.81    | ug/L   | 98       |
| 5) Vinyl chloride             | 2.367  | 62    | 133590   | 26.24    | ug/L   | 98       |
| 6) Bromomethane               | 2.788  | 94    | 89732    | 24.79    | ug/L   | 98       |
| 8) Chloroethane               | 2.928  | 64    | 78104    | 25.68    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 98412    | 26.74    | ug/L   | 100      |
| 11) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 142766   | 27.15    | ug/L # | 65       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 136945   | 27.68    | ug/L   | 91       |
| 13) Acetone                   | 4.129  | 43    | 42455    | 46.72    | ug/L   | 100      |
| 14) Carbon disulfide          | 4.391  | 76    | 370612   | 25.72    | ug/L   | 99       |
| 15) Methyl Acetate            | 4.678  | 43    | 50663    | 25.13    | ug/L   | 97       |
| 16) Methylene chloride        | 4.916  | 84    | 135075   | 22.76    | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 5.422  | 73    | 155083   | 27.92    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 5.428  | 96    | 141715   | 26.80    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 225452   | 26.42    | ug/L   | 97       |
| 21) 2-Butanone                | 7.171  | 43    | 65350    | 47.24    | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 7.165  | 96    | 149289   | 27.22    | ug/L   | 95       |
| 23) Bromochloromethane        | 7.513  | 128   | 70961    | 26.92    | ug/L   | 90       |
| 25) Chloroform                | 7.671  | 83    | 248974   | 26.73    | ug/L   | 100      |

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 Sample : VSTDCCC025  
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 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD02531

Quant Time: Feb 19 17:11:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 18 06:15:22 2021  
 Response via : Initial Calibration

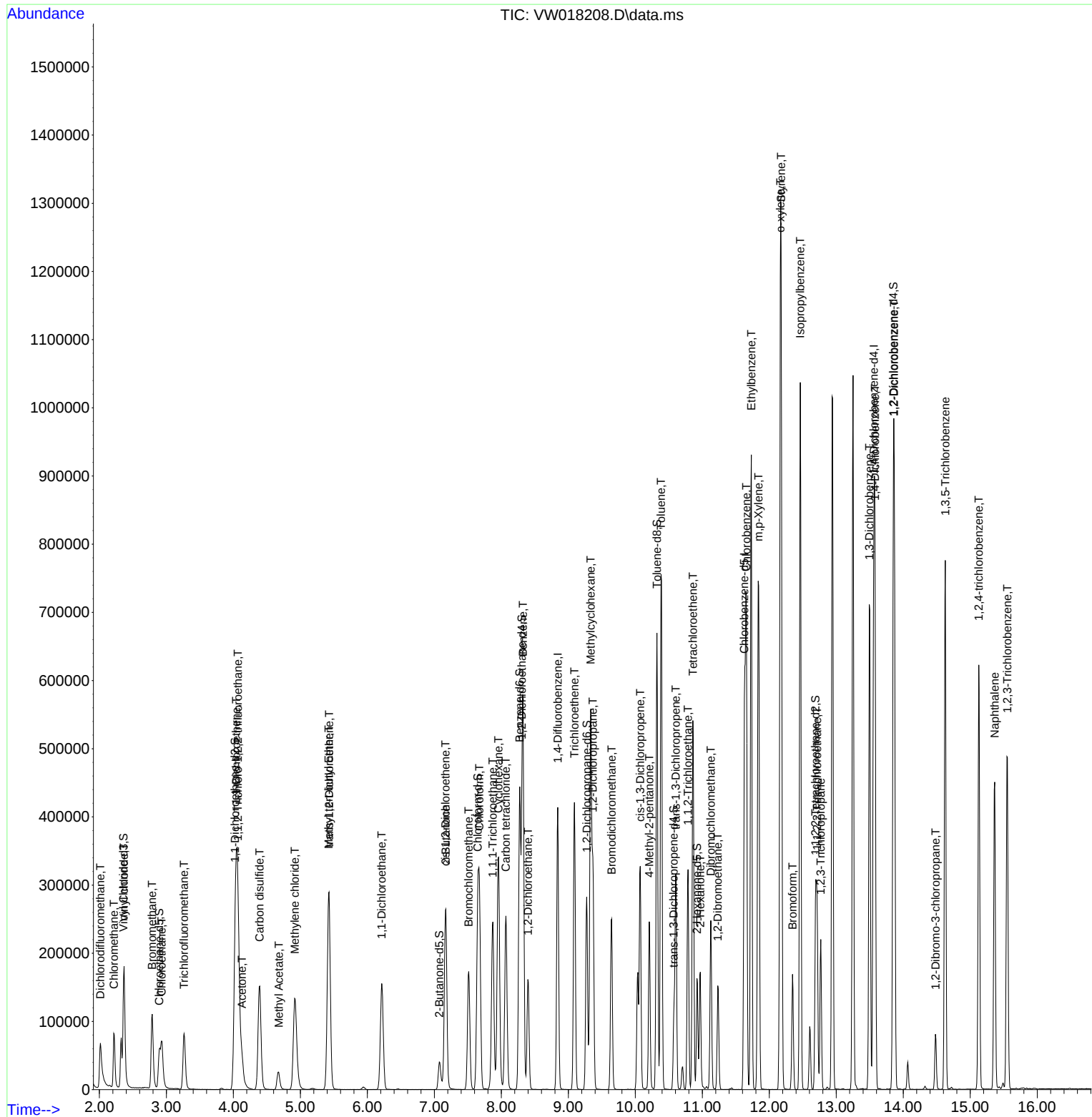
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 150801   | 24.95 | ug/L   | 99       |
| 30) Cyclohexane               | 7.958  | 56   | 201582   | 26.75 | ug/L   | 93       |
| 31) 1,1,1-Trichloroethane     | 7.872  | 97   | 209266   | 28.64 | ug/L   | 98       |
| 32) Carbon tetrachloride      | 8.067  | 117  | 206077   | 29.12 | ug/L   | 100      |
| 34) Benzene                   | 8.323  | 78   | 533351   | 27.70 | ug/L   | 100      |
| 35) Trichloroethene           | 9.092  | 95   | 148242   | 27.32 | ug/L   | 98       |
| 36) Methylcyclohexane         | 9.336  | 83   | 251749   | 27.59 | ug/L   | 96       |
| 40) 1,2-Dichloropropane       | 9.366  | 63   | 122780   | 27.78 | ug/L   | 99       |
| 41) Bromodichloromethane      | 9.646  | 83   | 178322   | 28.18 | ug/L   | 96       |
| 42) cis-1,3-Dichloropropene   | 10.073 | 75   | 205122   | 28.80 | ug/L   | 98       |
| 43) 4-Methyl-2-pentanone      | 10.207 | 43   | 145171   | 52.83 | ug/L   | 93       |
| 44) Toluene                   | 10.384 | 91   | 597119   | 28.17 | ug/L   | 98       |
| 45) trans-1,3-Dichloropropene | 10.604 | 75   | 178641   | 28.81 | ug/L   | 100      |
| 46) 1,1,2-Trichloroethane     | 10.786 | 97   | 106096   | 28.13 | ug/L   | 97       |
| 47) Tetrachloroethene         | 10.860 | 164  | 134422   | 29.09 | ug/L   | 96       |
| 49) 2-Hexanone                | 10.969 | 43   | 102594   | 53.73 | ug/L   | 95       |
| 50) Dibromochloromethane      | 11.128 | 129  | 130553   | 28.89 | ug/L   | 95       |
| 51) 1,2-Dibromoethane         | 11.232 | 107  | 104618   | 27.80 | ug/L   | 97       |
| 52) Chlorobenzene             | 11.658 | 112  | 397094   | 28.44 | ug/L   | 100      |
| 53) Ethylbenzene              | 11.731 | 91   | 673733   | 27.97 | ug/L   | 97       |
| 54) m,p-Xylene                | 11.841 | 106  | 260039   | 28.32 | ug/L   | 98       |
| 55) o-xylene                  | 12.164 | 106  | 248891   | 28.57 | ug/L   | 97       |
| 56) Styrene                   | 12.176 | 104  | 424919   | 28.68 | ug/L   | 100      |
| 57) Isopropylbenzene          | 12.463 | 105  | 695364   | 28.66 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 123640   | 27.71 | ug/L   | 98       |
| 59) 1,2,3-Trichloropropane    | 12.768 | 75   | 89955    | 26.61 | ug/L   | 99       |
| 62) Bromoform                 | 12.347 | 173  | 77760    | 27.91 | ug/L # | 95       |
| 63) 1,3-Dichlorobenzene       | 13.493 | 146  | 320546   | 27.81 | ug/L   | 96       |
| 64) 1,4-Dichlorobenzene       | 13.579 | 146  | 327587   | 28.26 | ug/L   | 94       |
| 65) 1,2-Dichlorobenzene       | 13.865 | 146  | 289396   | 27.84 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 20631    | 26.21 | ug/L   | 93       |
| 67) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 262434   | 29.64 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene    | 15.127 | 180  | 208591   | 28.26 | ug/L   | 94       |
| 69) Naphthalene               | 15.365 | 128  | 407221   | 28.35 | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 186777   | 28.39 | ug/L   | 99       |

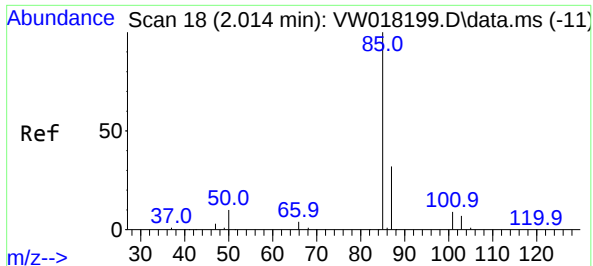
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
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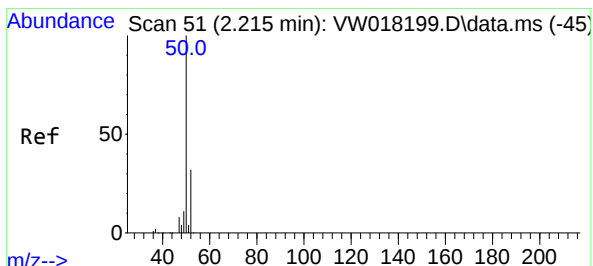
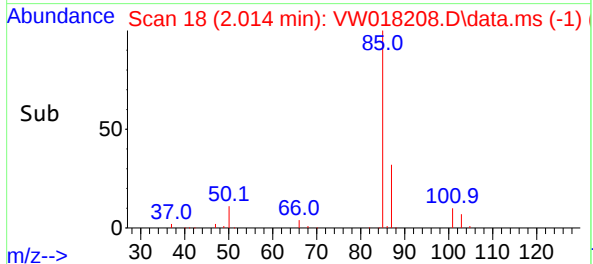
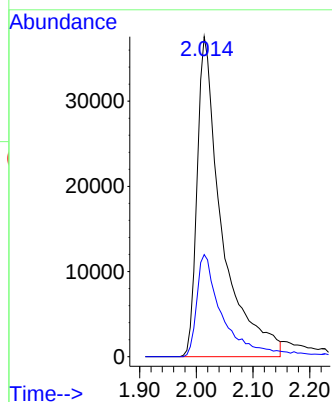
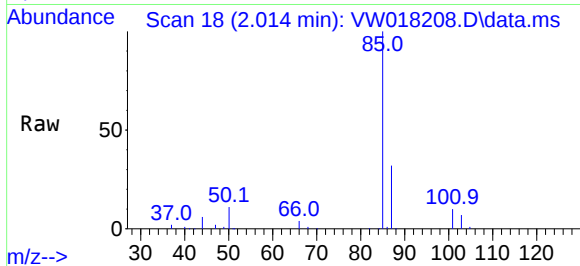




#2  
Dichlorodifluoromethane  
Concen: 22.64 ug/L  
RT: 2.014 min Scan# 18  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

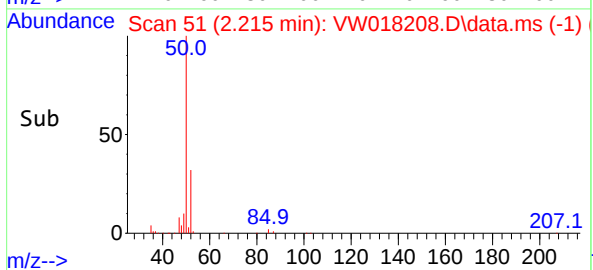
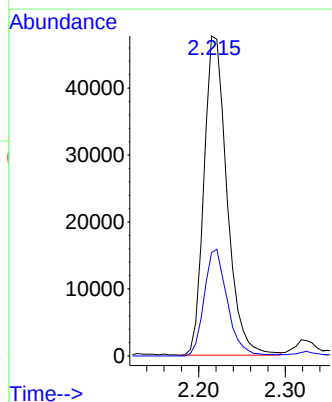
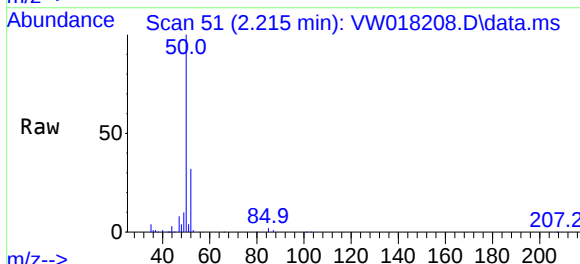
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

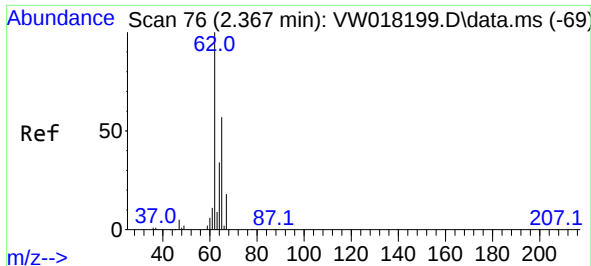
Tgt Ion: 85 Resp: 113443  
Ion Ratio Lower Upper  
85 100  
87 28.4 23.2 43.0



#3  
Chloromethane  
Concen: 23.81 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 50 Resp: 87859  
Ion Ratio Lower Upper  
50 100  
52 32.3 23.4 43.6

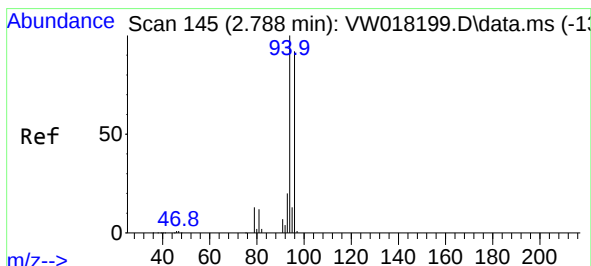
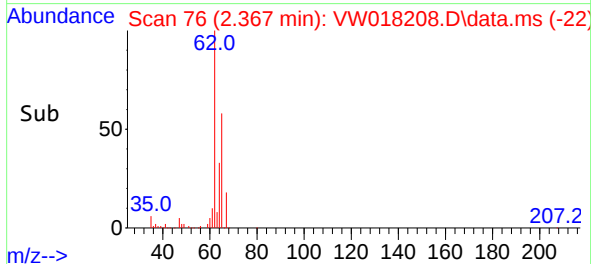
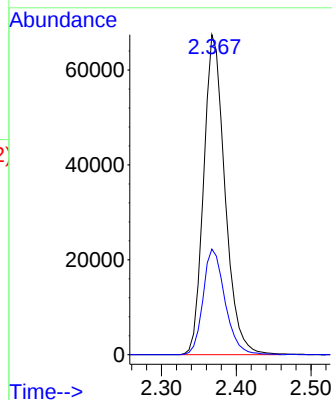
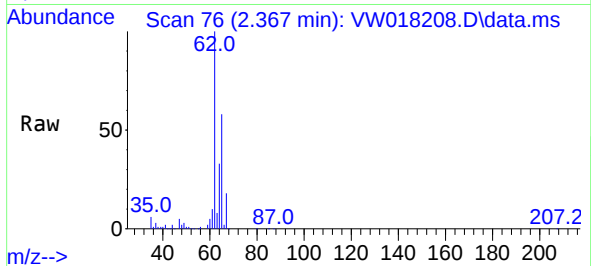




#5  
 Vinyl chloride  
 Concen: 26.24 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. 0.000 min  
 Lab File: VW018208.D  
 Acq: 19 Feb 2021 12:09

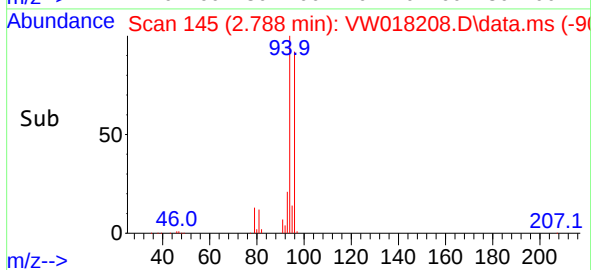
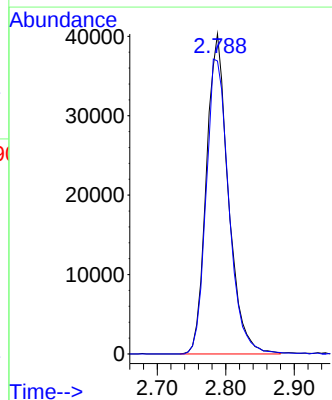
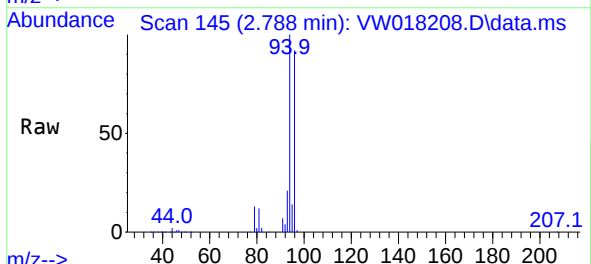
Instrument :  
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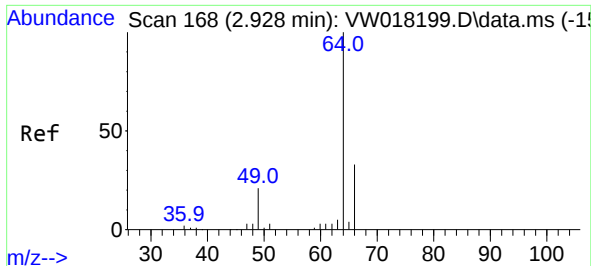
Tgt Ion: 62 Resp: 133590  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 23.9 44.5



#6  
 Bromomethane  
 Concen: 24.79 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. 0.006 min  
 Lab File: VW018208.D  
 Acq: 19 Feb 2021 12:09

Tgt Ion: 94 Resp: 89732  
 Ion Ratio Lower Upper  
 94 100  
 96 95.6 9.4 178.0

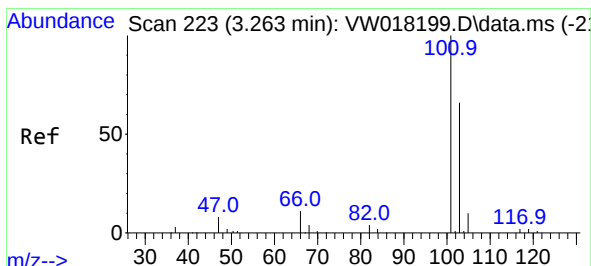
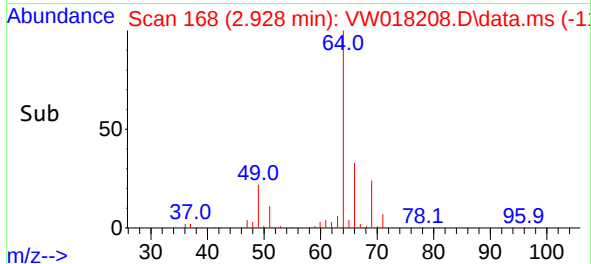
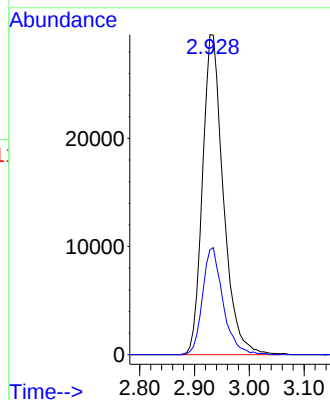
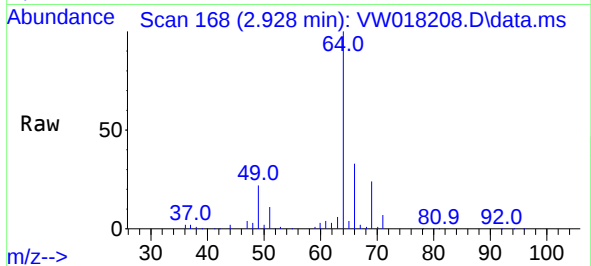




#8  
Chloroethane  
Concen: 25.68 ug/L  
RT: 2.928 min Scan# 168  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

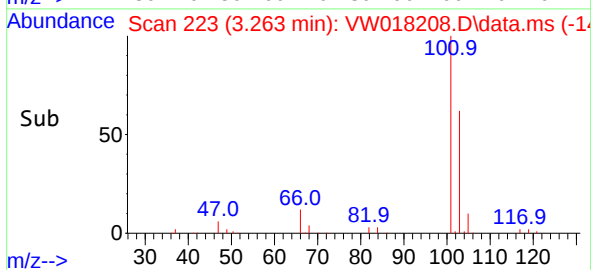
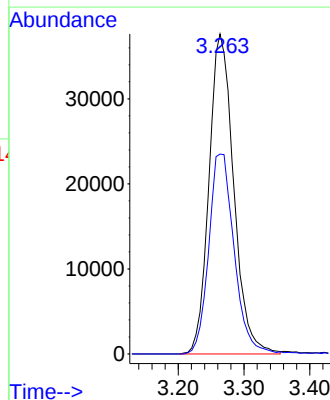
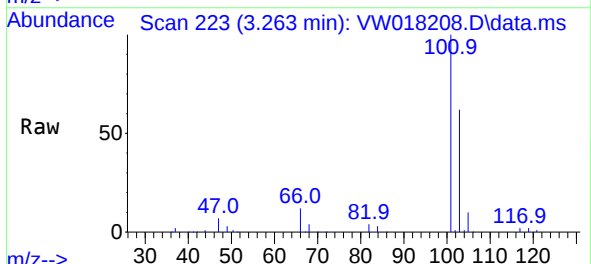
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VSTD02531

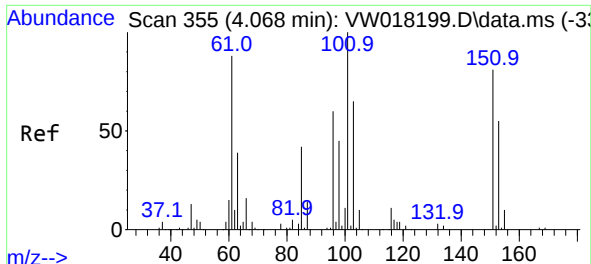
Tgt Ion: 64 Resp: 78104  
Ion Ratio Lower Upper  
64 100  
66 32.8 22.0 41.0



#9  
Trichlorofluoromethane  
Concen: 26.74 ug/L  
RT: 3.263 min Scan# 223  
Delta R.T. 0.000 min  
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Tgt Ion:101 Resp: 98412  
Ion Ratio Lower Upper  
101 100  
103 64.2 45.0 83.6

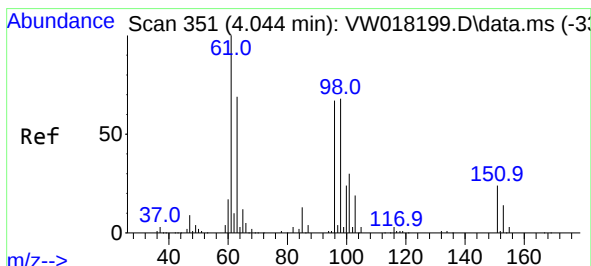
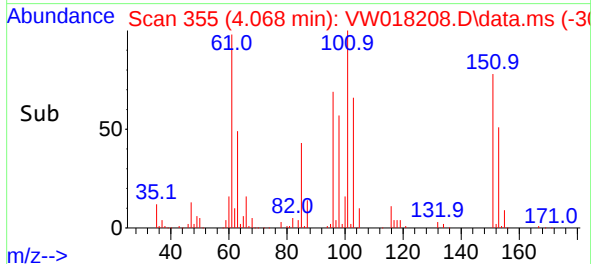
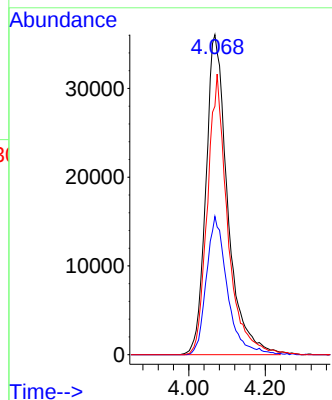
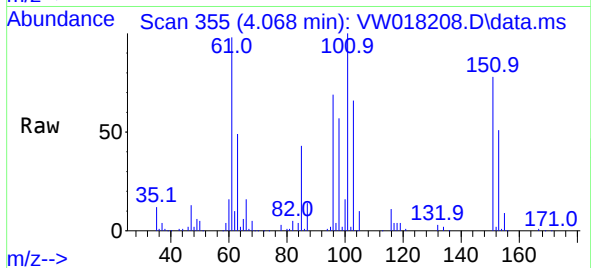




#11  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 27.15 ug/L  
RT: 4.068 min Scan# 355  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

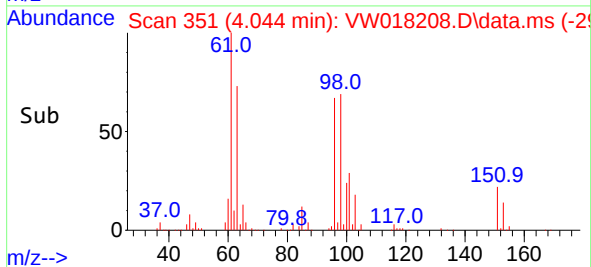
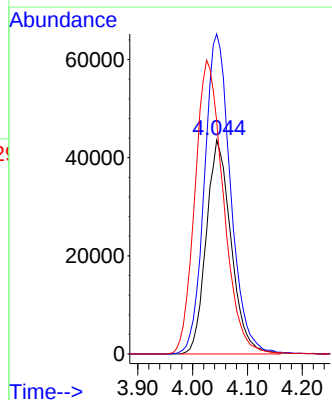
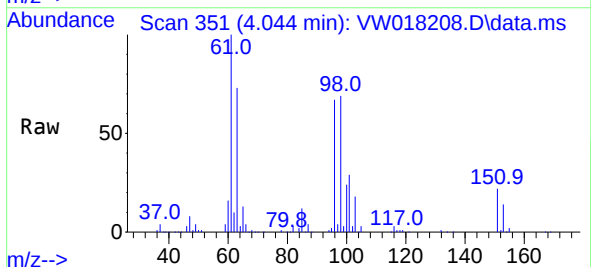
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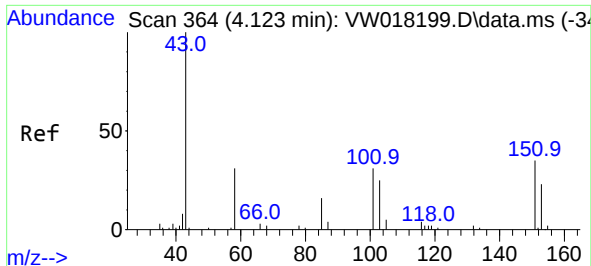
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Ion Ratio Lower Upper  
101 100  
85 40.8 34.2 51.4  
151 80.7 30.4 45.6#



#12  
1,1-Dichloroethene  
Concen: 27.68 ug/L  
RT: 4.044 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 96 Resp: 136945  
Ion Ratio Lower Upper  
96 100  
61 149.6 112.5 208.9  
63 108.9 83.1 154.3

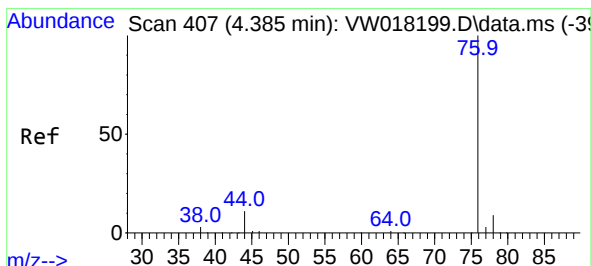
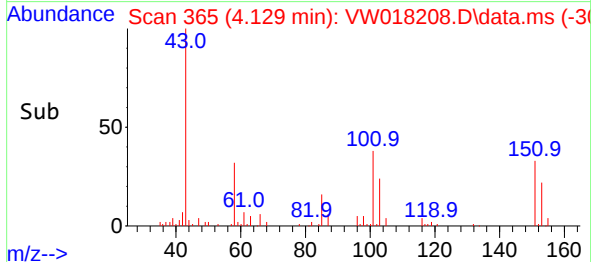
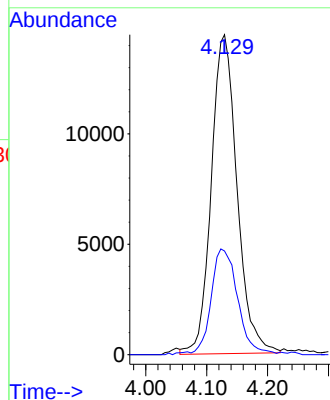
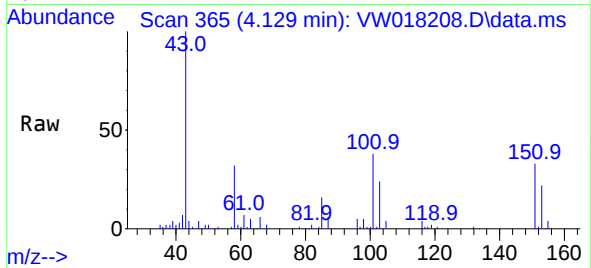




#13  
Acetone  
Concen: 46.72 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.012 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

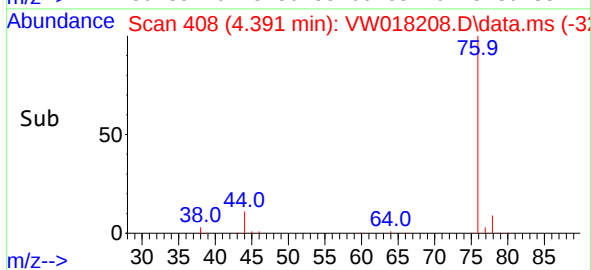
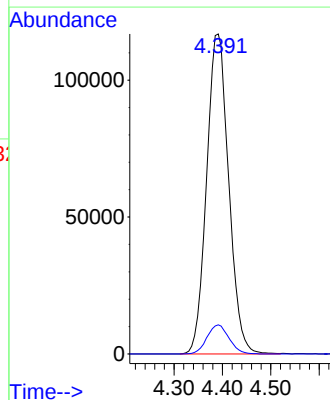
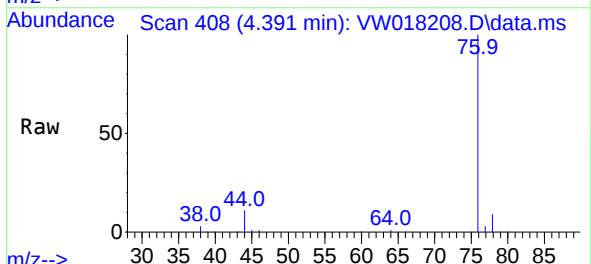
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

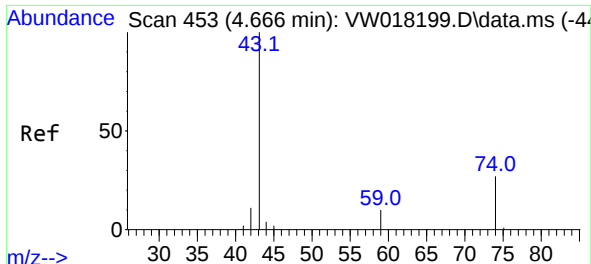
Tgt Ion: 43 Resp: 42455  
Ion Ratio Lower Upper  
43 100  
58 33.9 0.0 68.4



#14  
Carbon disulfide  
Concen: 25.72 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 76 Resp: 370612  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.4

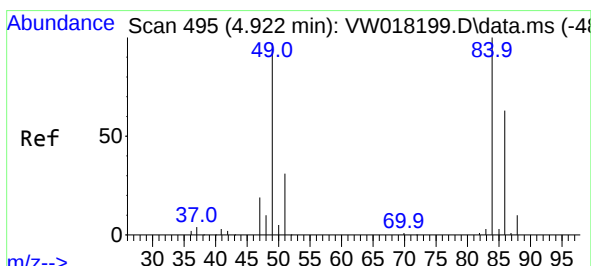
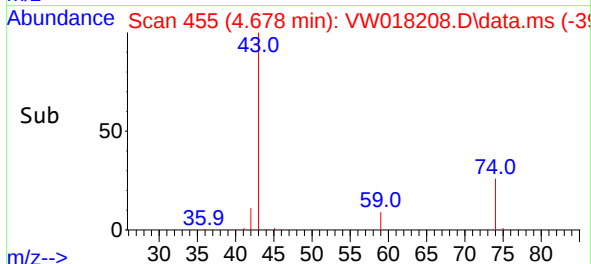
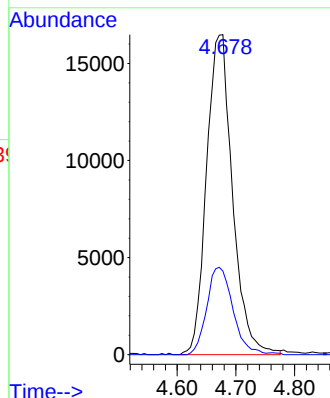
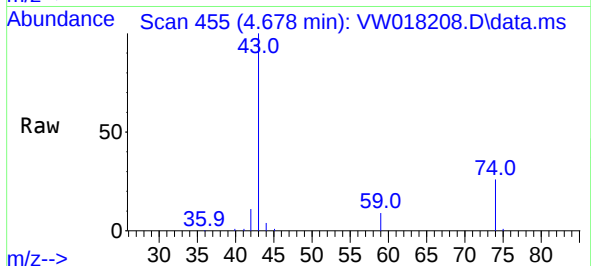




#15  
Methyl Acetate  
Concen: 25.13 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. 0.012 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

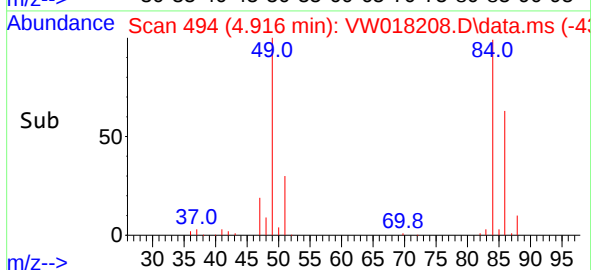
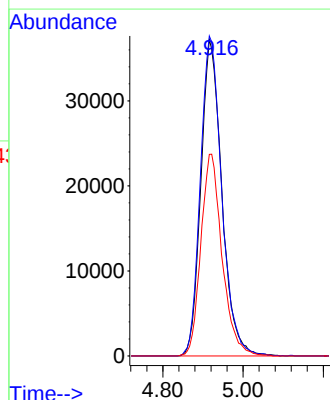
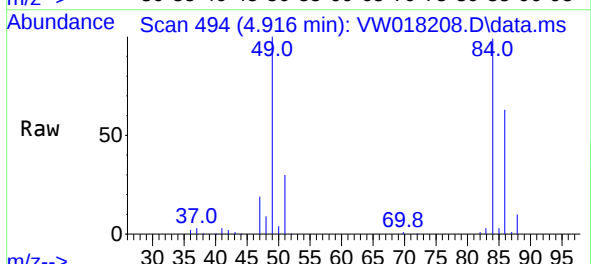
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

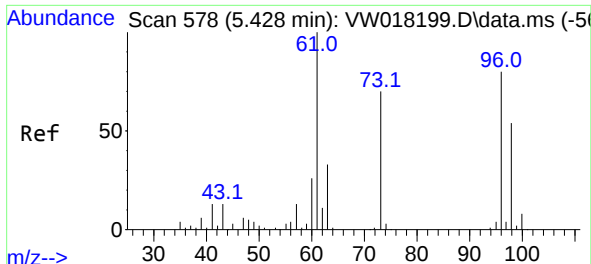
Tgt Ion: 43 Resp: 50663  
Ion Ratio Lower Upper  
43 100  
74 27.3 20.7 31.1



#16  
Methylene chloride  
Concen: 22.76 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 84 Resp: 135075  
Ion Ratio Lower Upper  
84 100  
49 101.2 81.2 150.8  
86 63.7 44.5 82.7



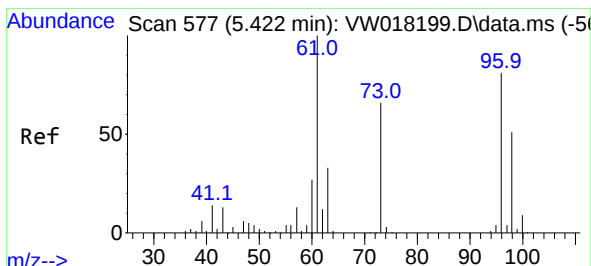
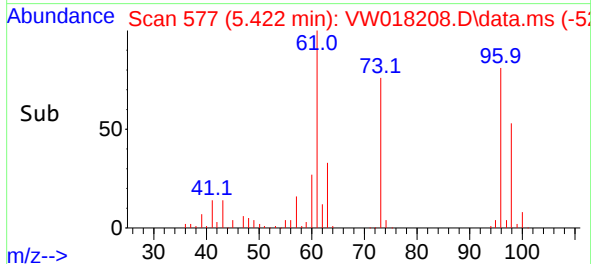
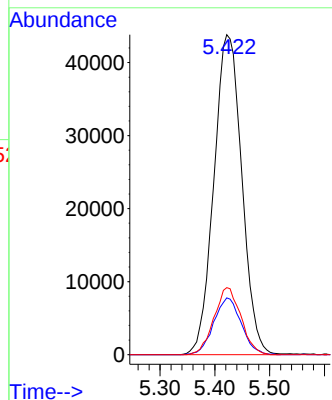
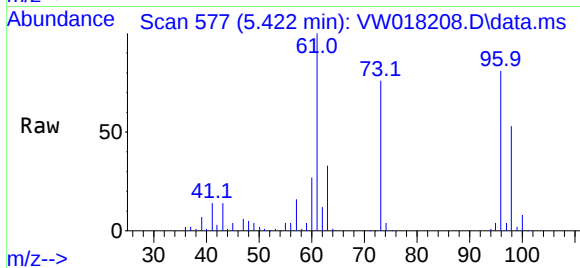


#17  
Methyl tert-butyl Ether  
Concen: 27.92 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

Tgt Ion: 73 Resp: 155083

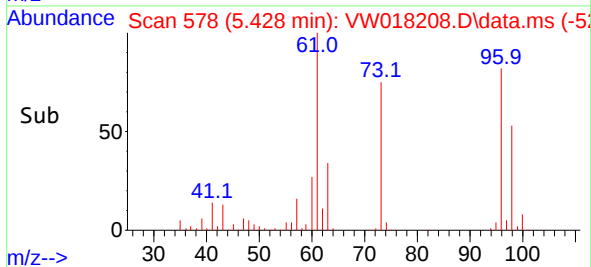
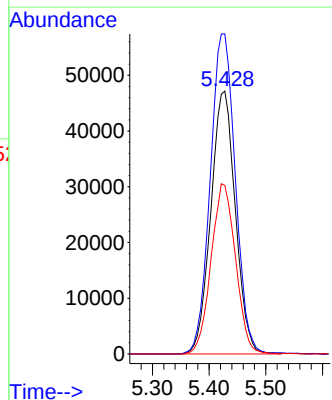
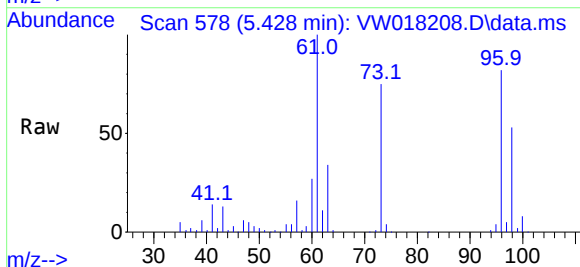
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 17.5  | 16.2  | 24.4  |
| 57  | 20.1  | 17.2  | 25.8  |

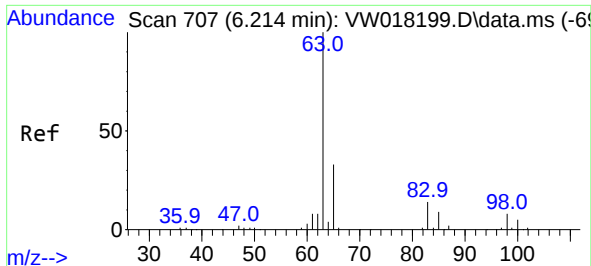


#18  
trans-1,2-Dichloroethene  
Concen: 26.80 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 96 Resp: 141715

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 121.7 | 92.7  | 172.1 |
| 98  | 64.1  | 43.3  | 80.3  |

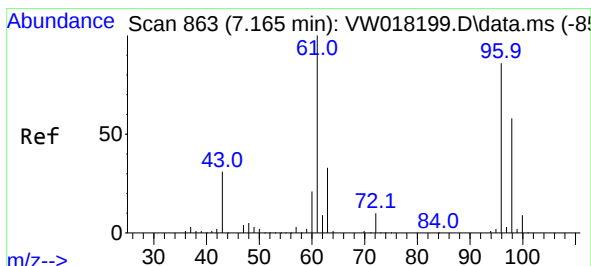
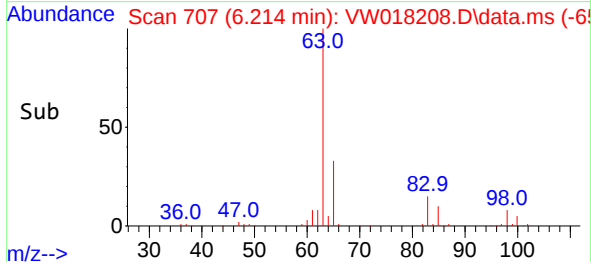
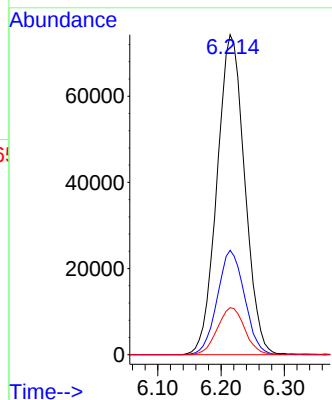
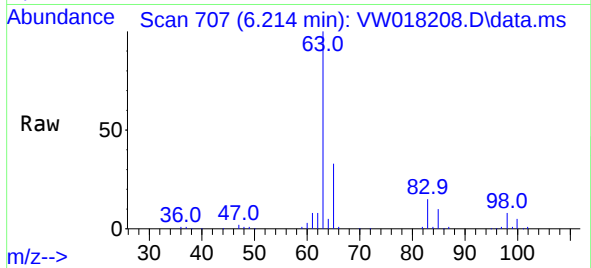




#19  
1,1-Dichloroethane  
Concen: 26.42 ug/L  
RT: 6.214 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

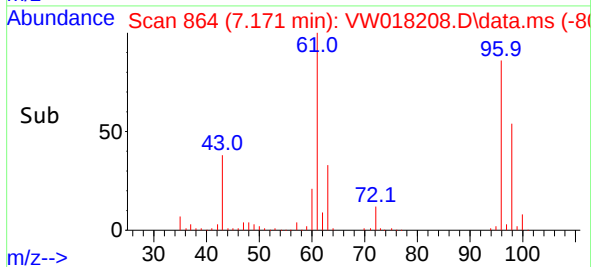
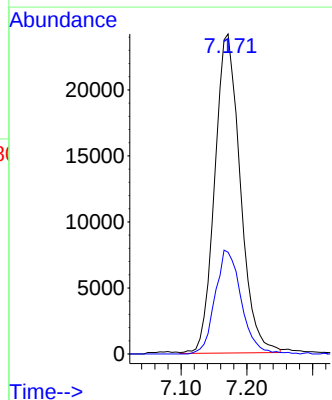
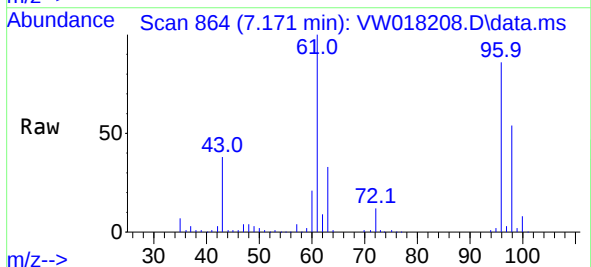
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

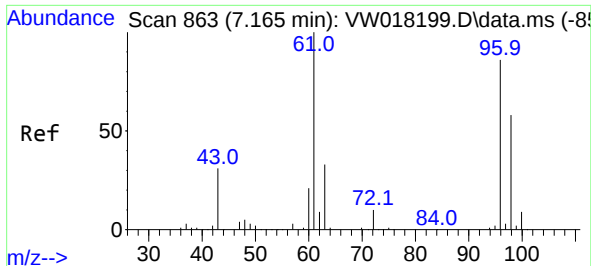
Tgt Ion: 63 Resp: 225452  
Ion Ratio Lower Upper  
63 100  
65 32.6 21.9 40.7  
83 14.7 9.4 17.6



#21  
2-Butanone  
Concen: 47.24 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 43 Resp: 65350  
Ion Ratio Lower Upper  
43 100  
72 33.2 14.4 43.2



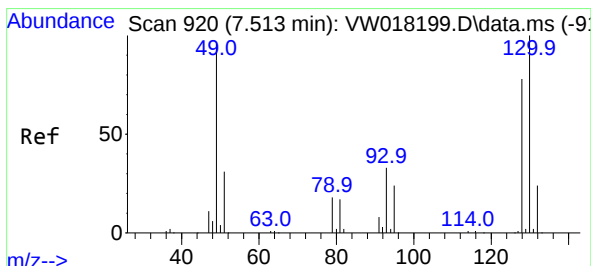
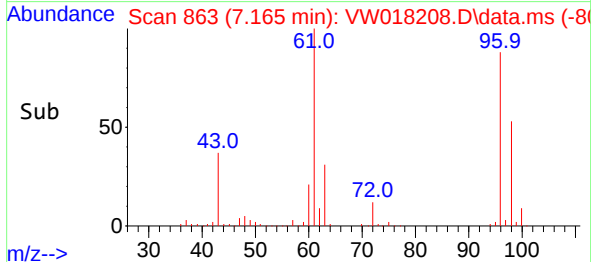
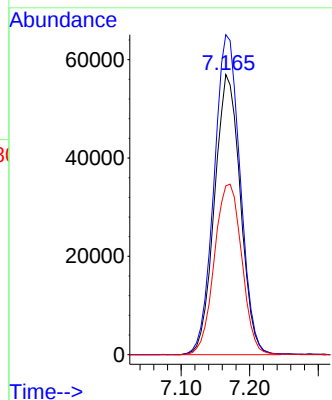
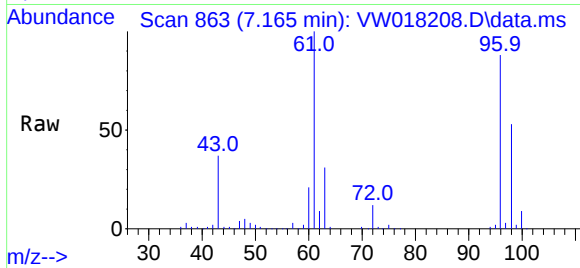


#22  
cis-1,2-Dichloroethene  
Concen: 27.22 ug/L  
RT: 7.165 min Scan# 863  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02531

Tgt Ion: 96 Resp: 149289

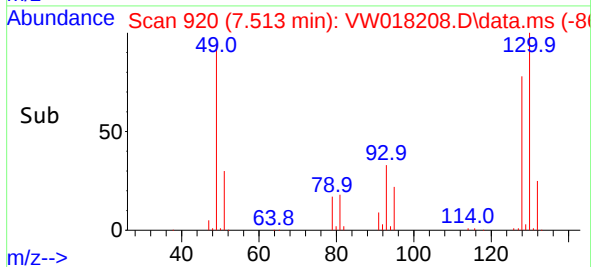
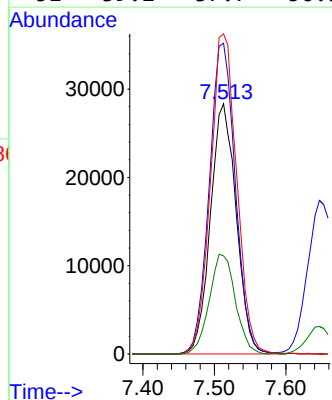
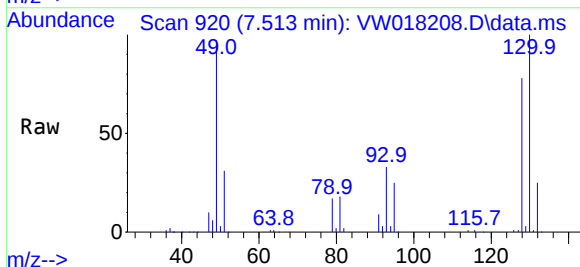
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 114.2 | 84.6  | 157.2 |
| 98  | 60.2  | 44.7  | 82.9  |

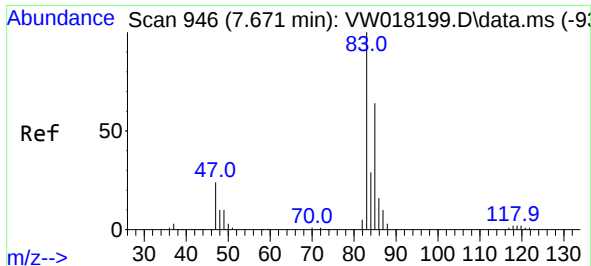


#23  
Bromochloromethane  
Concen: 26.92 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 128 Resp: 70961

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 124.2 | 101.6 | 188.6 |
| 130 | 127.8 | 90.4  | 167.8 |
| 51  | 39.2  | 37.7  | 56.5  |

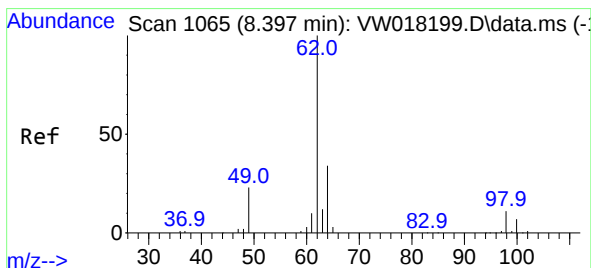
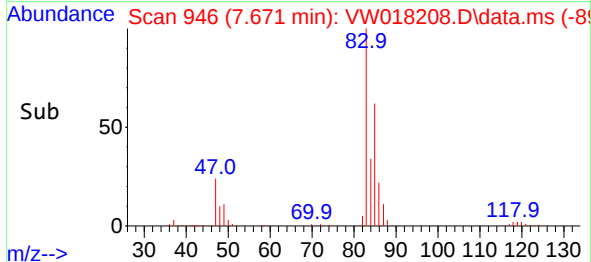
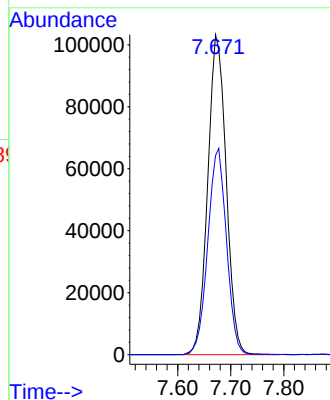
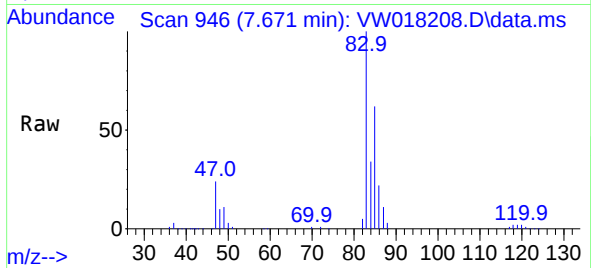




#25  
Chloroform  
Concen: 26.73 ug/L  
RT: 7.671 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

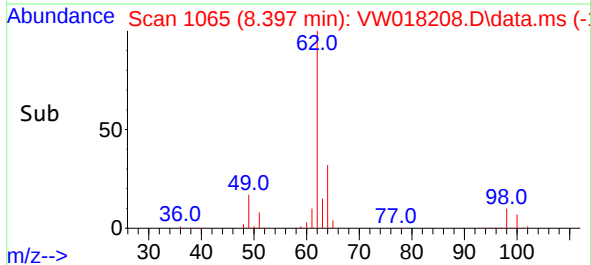
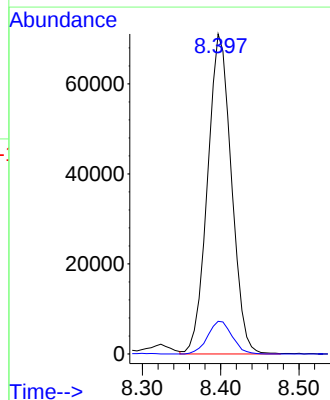
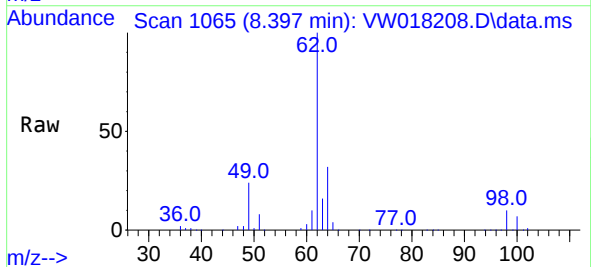
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

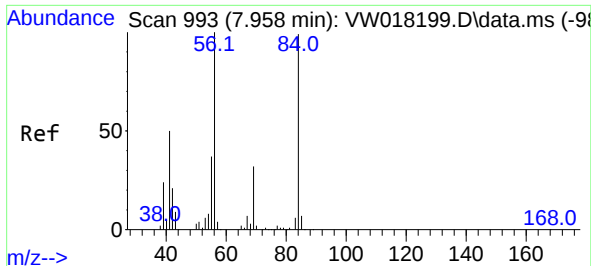
Tgt Ion: 83 Resp: 248974  
Ion Ratio Lower Upper  
83 100  
85 65.4 45.7 84.9



#27  
1,2-Dichloroethane  
Concen: 24.95 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

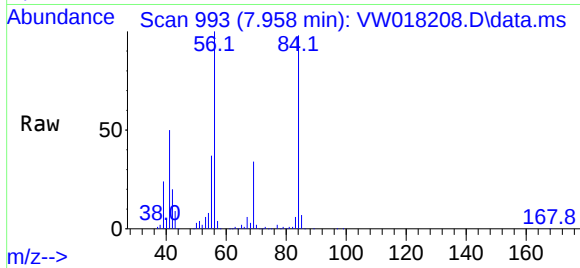
Tgt Ion: 62 Resp: 150801  
Ion Ratio Lower Upper  
62 100  
98 10.2 8.0 12.0



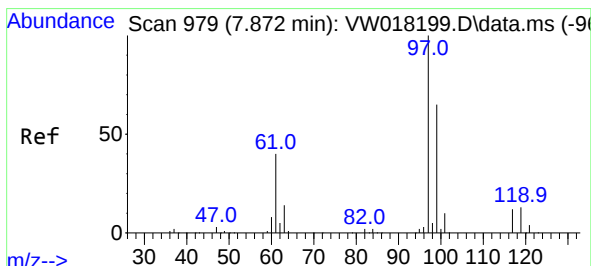
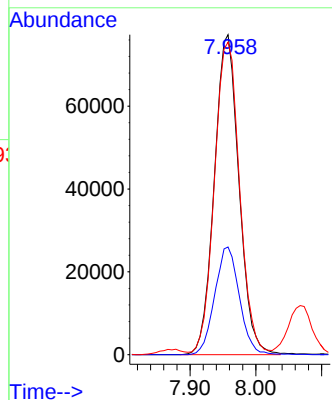
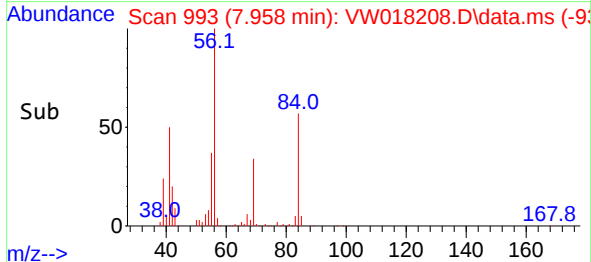


#30  
Cyclohexane  
Concen: 26.75 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

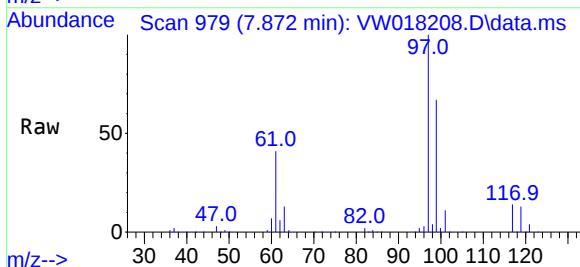
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531



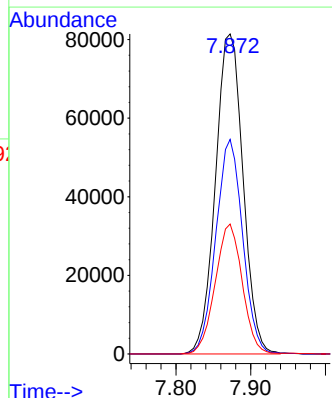
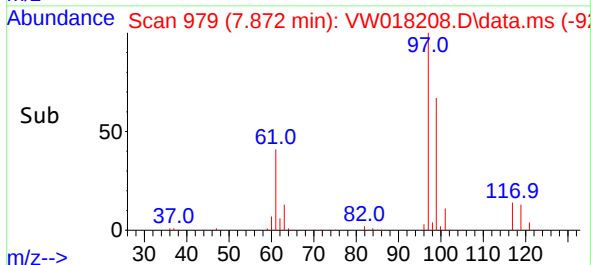
Tgt Ion: 56 Resp: 201582  
Ion Ratio Lower Upper  
56 100  
69 33.7 24.8 37.2  
84 99.9 74.2 111.4

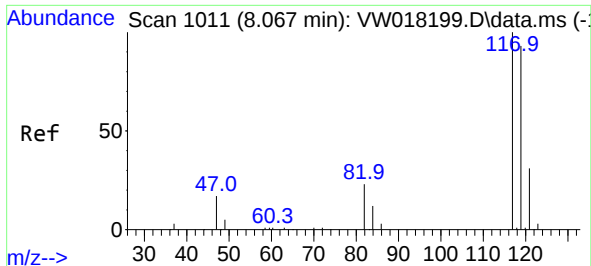


#31  
1,1,1-Trichloroethane  
Concen: 28.64 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09



Tgt Ion: 97 Resp: 209266  
Ion Ratio Lower Upper  
97 100  
99 65.1 51.0 76.4  
61 39.8 33.6 50.4

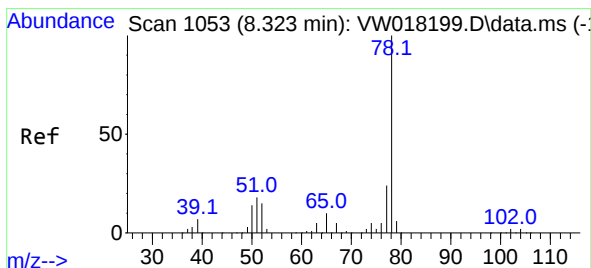
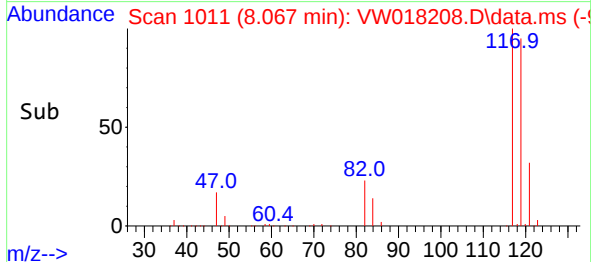
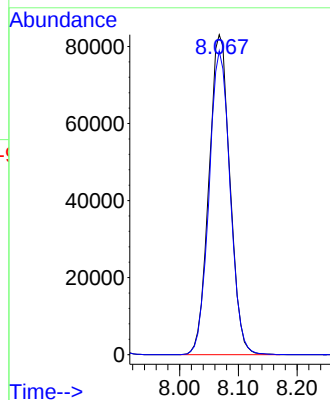
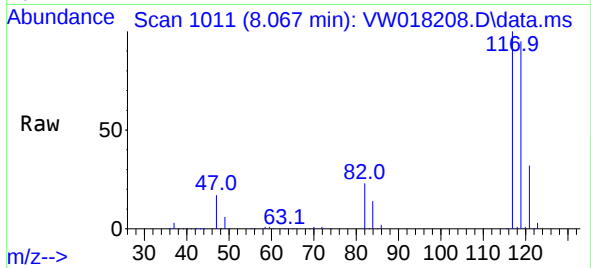




#32  
Carbon tetrachloride  
Concen: 29.12 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

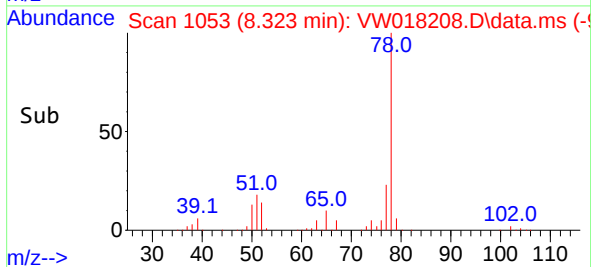
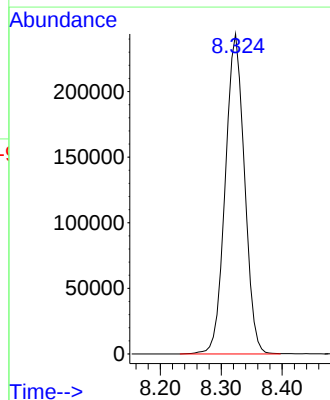
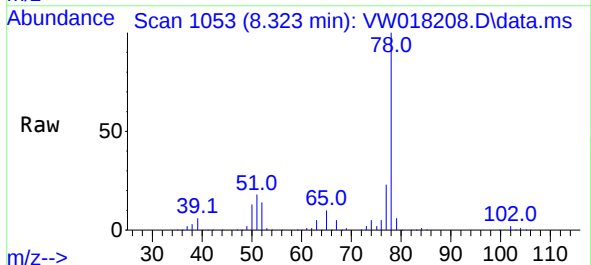
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

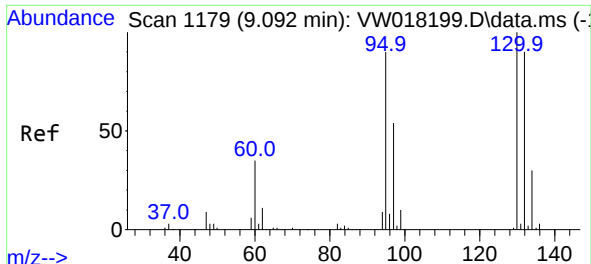
Tgt Ion:117 Resp: 206077  
Ion Ratio Lower Upper  
117 100  
119 95.2 75.8 113.8



#34  
Benzene  
Concen: 27.70 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 78 Resp: 533351

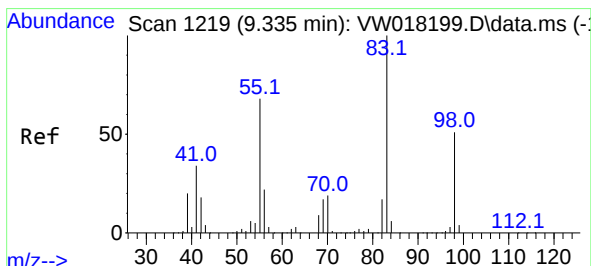
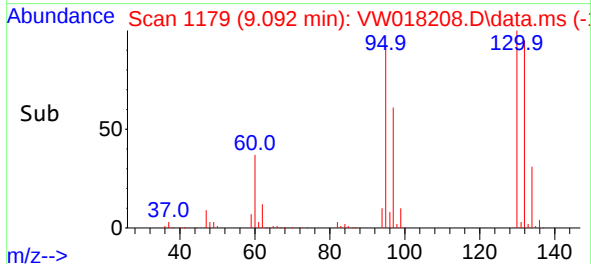
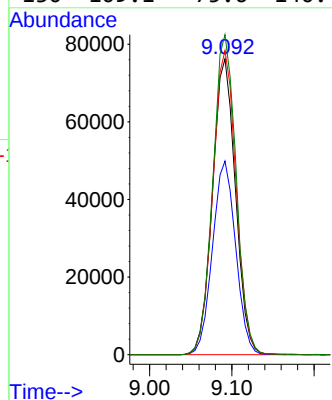
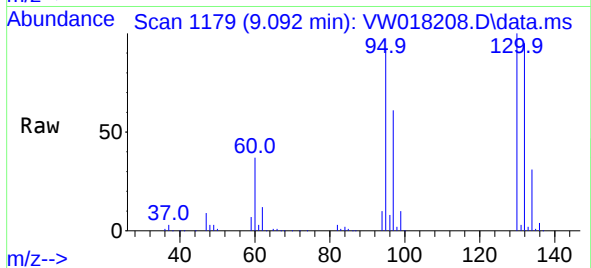




#35  
Trichloroethene  
Concen: 27.32 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

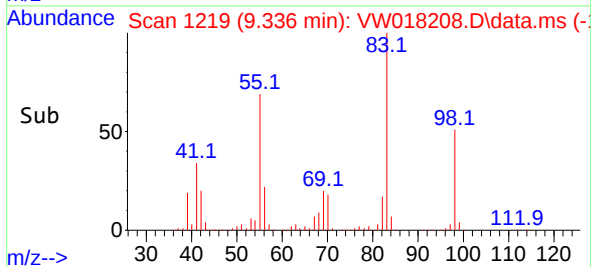
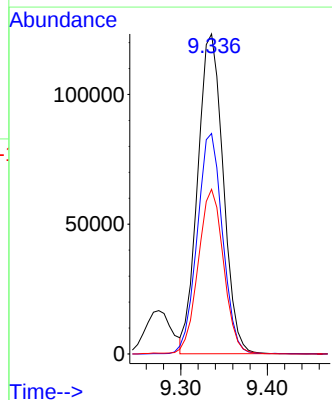
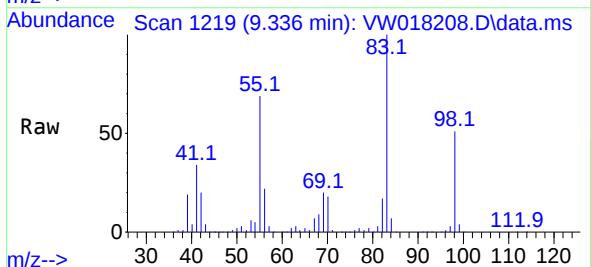
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02531

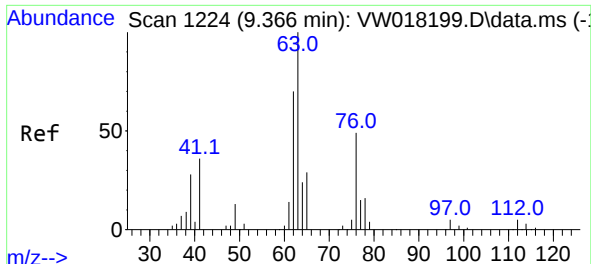
Tgt Ion: 95 Resp: 148242  
Ion Ratio Lower Upper  
95 100  
97 66.0 45.0 83.6  
132 104.0 71.0 131.8  
130 109.1 75.6 140.4



#36  
Methylcyclohexane  
Concen: 27.59 ug/L  
RT: 9.336 min Scan# 1219  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 83 Resp: 251749  
Ion Ratio Lower Upper  
83 100  
55 68.7 59.4 89.0  
98 51.5 40.7 61.1

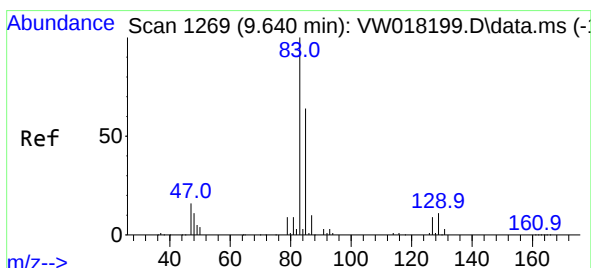
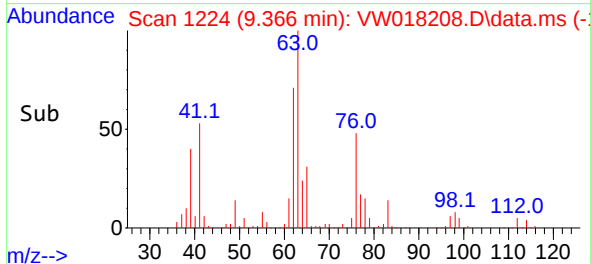
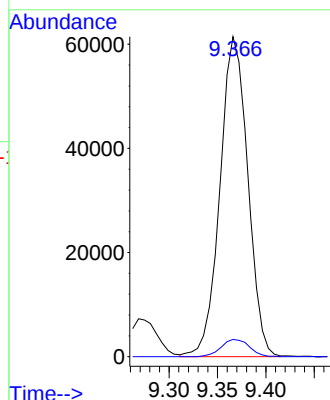
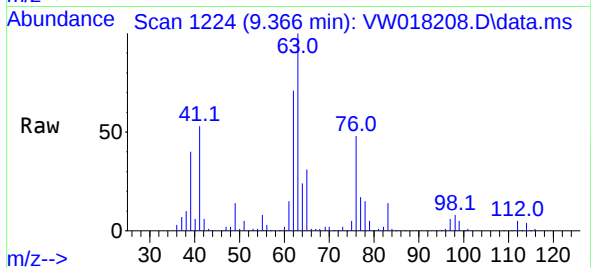




#40  
1,2-Dichloropropane  
Concen: 27.78 ug/L  
RT: 9.366 min Scan# 1224  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

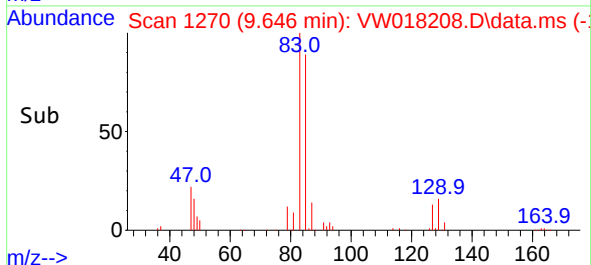
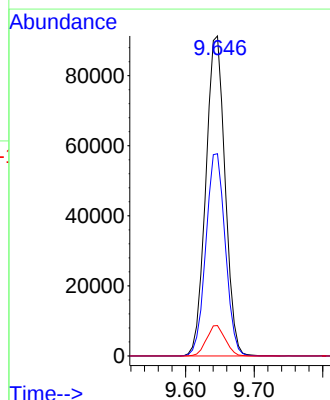
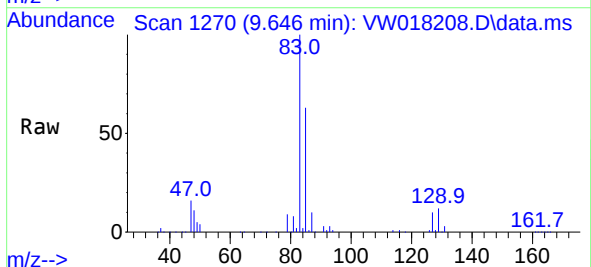
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

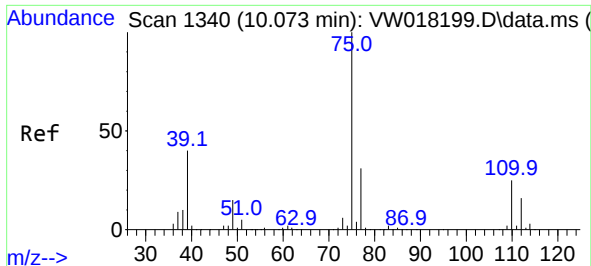
Tgt Ion: 63 Resp: 122780  
Ion Ratio Lower Upper  
63 100  
112 5.5 4.2 6.4



#41  
Bromodichloromethane  
Concen: 28.18 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 83 Resp: 178322  
Ion Ratio Lower Upper  
83 100  
85 63.2 46.8 86.8  
127 9.5 7.6 11.4

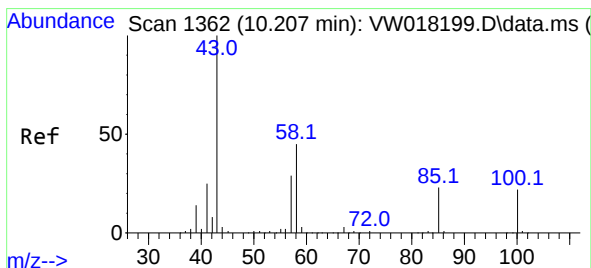
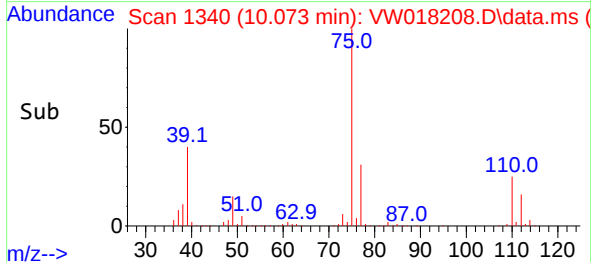
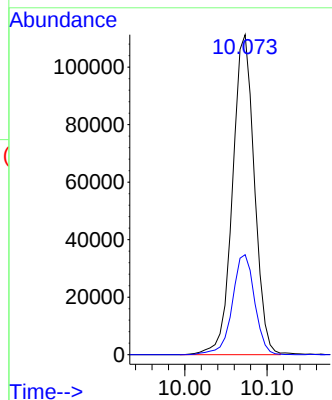
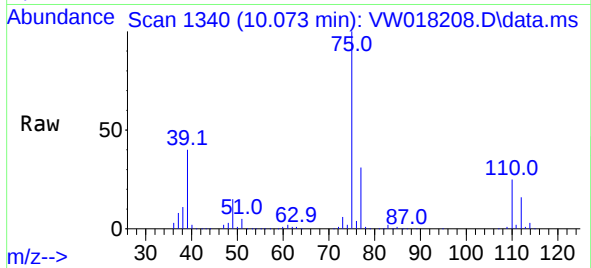




#42  
cis-1,3-Dichloropropene  
Concen: 28.80 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

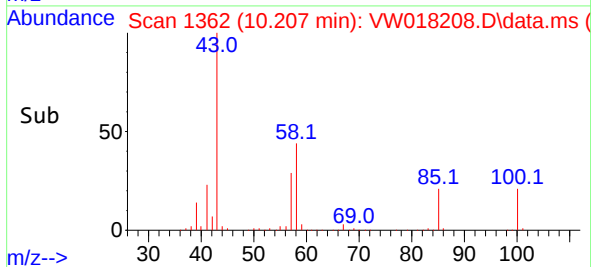
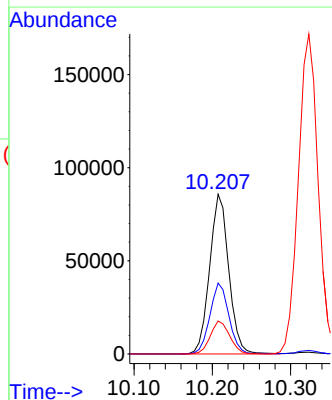
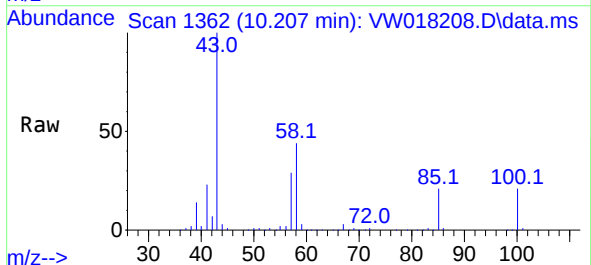
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

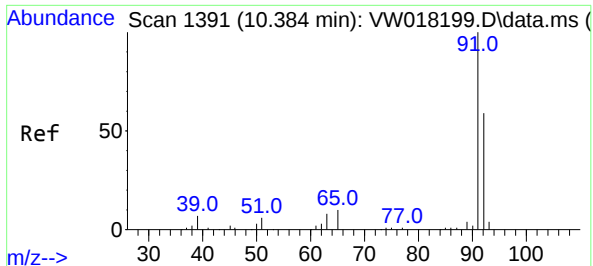
Tgt Ion: 75 Resp: 205122  
Ion Ratio Lower Upper  
75 100  
77 31.2 22.7 42.3



#43  
4-Methyl-2-pentanone  
Concen: 52.83 ug/L  
RT: 10.207 min Scan# 1362  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 43 Resp: 145171  
Ion Ratio Lower Upper  
43 100  
58 44.0 31.6 47.4  
100 20.9 14.1 21.1

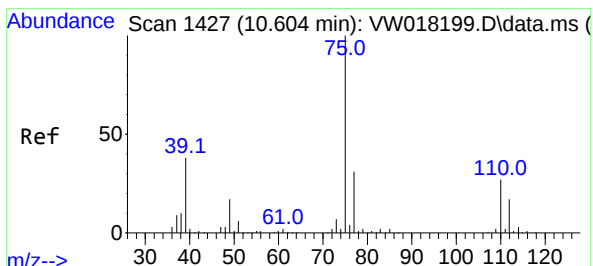
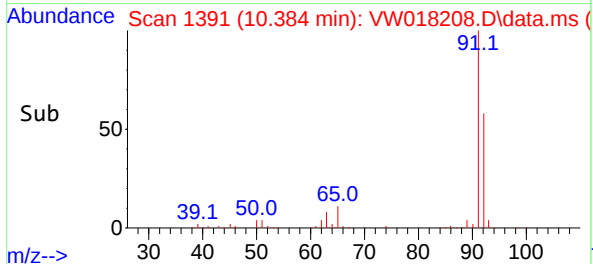
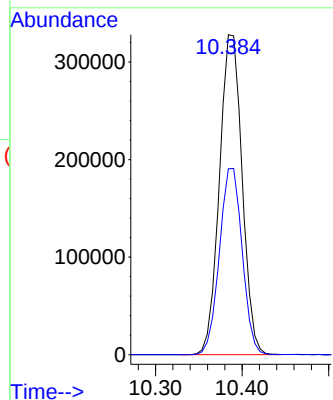
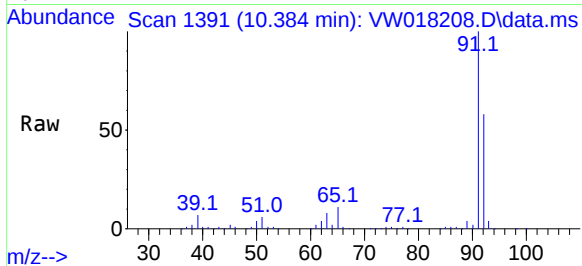




#44  
Toluene  
Concen: 28.17 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

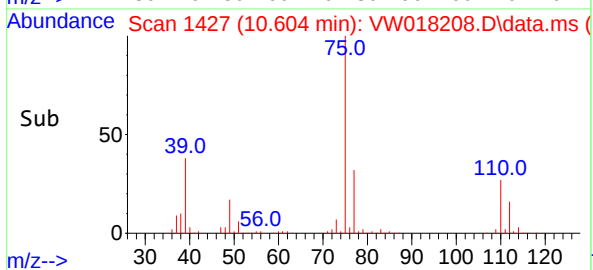
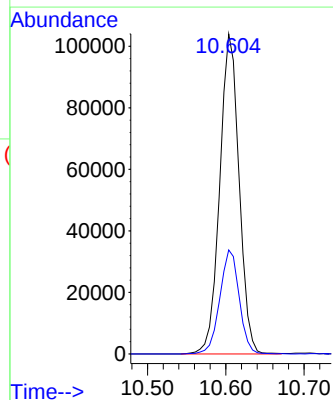
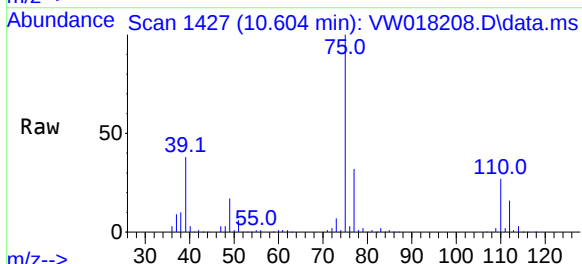
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

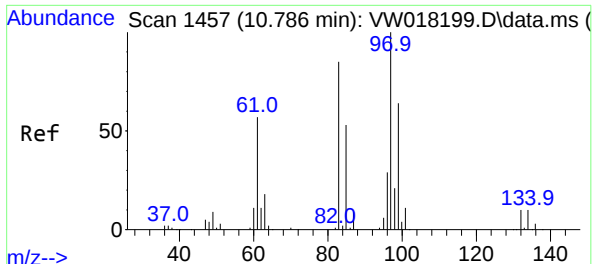
Tgt Ion: 91 Resp: 597119  
Ion Ratio Lower Upper  
91 100  
92 58.1 41.6 77.3



#45  
trans-1,3-Dichloropropene  
Concen: 28.81 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 75 Resp: 178641  
Ion Ratio Lower Upper  
75 100  
77 32.5 22.6 42.0



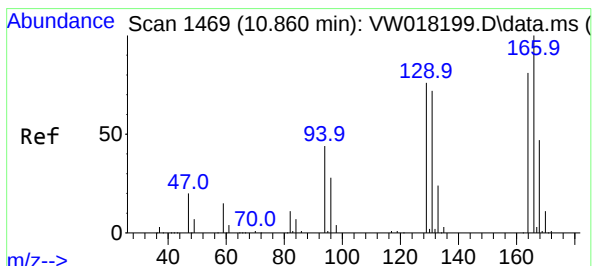
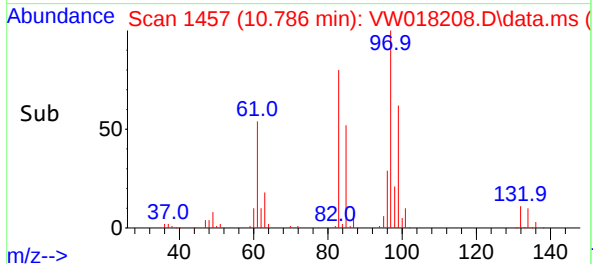
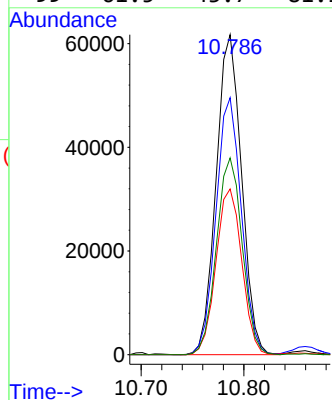
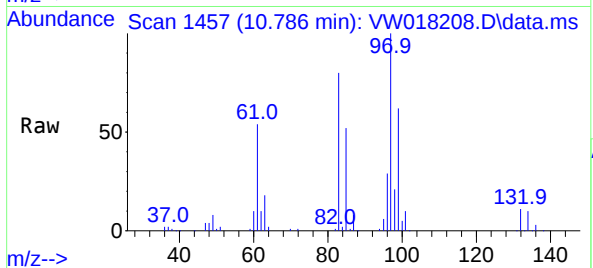


#46  
1,1,2-Trichloroethane  
Concen: 28.13 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02531

Tgt Ion: 97 Resp: 106096

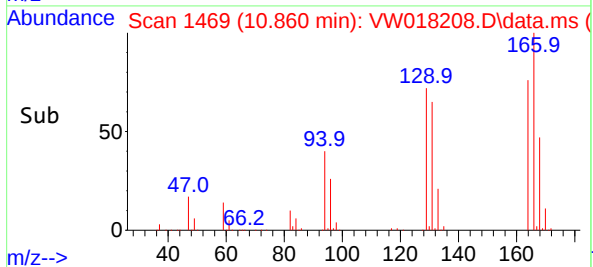
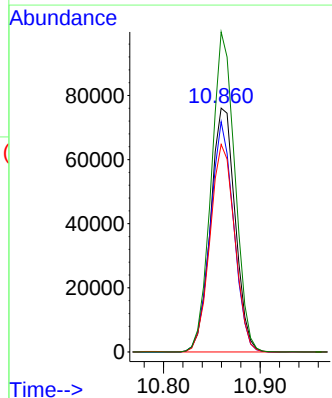
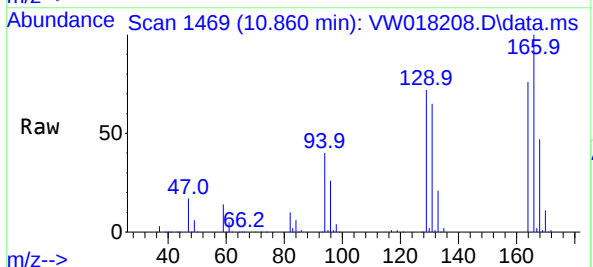
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 80.3  | 58.5  | 108.7 |
| 85  | 51.8  | 37.8  | 70.2  |
| 99  | 61.5  | 43.7  | 81.1  |

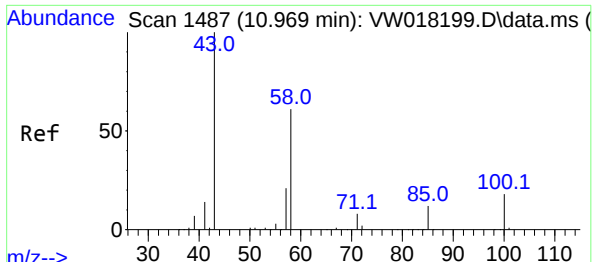


#47  
Tetrachloroethene  
Concen: 29.09 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion:164 Resp: 134422

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 94.4  | 67.6  | 125.6 |
| 131 | 85.1  | 65.2  | 121.2 |
| 166 | 131.2 | 93.2  | 173.2 |



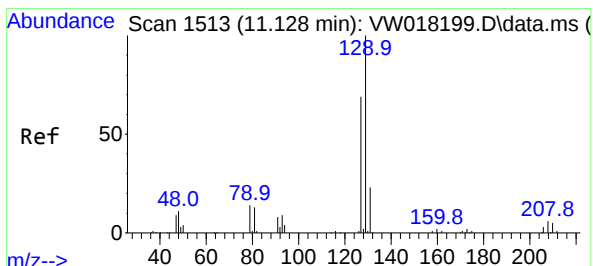
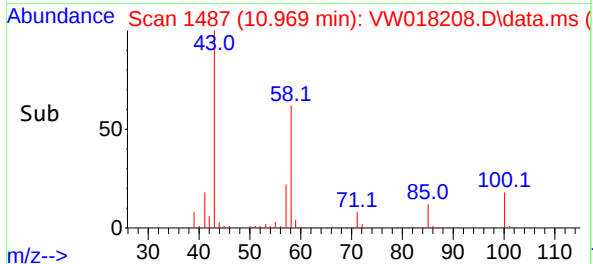
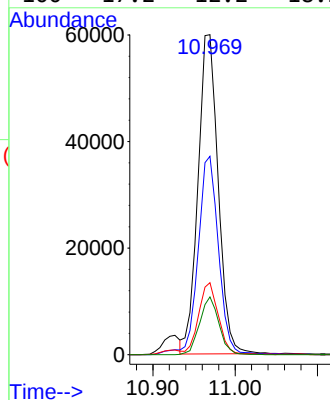
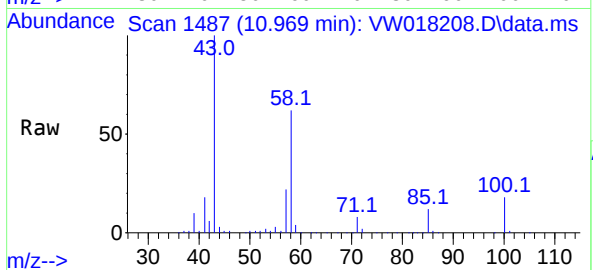


#49  
2-Hexanone  
Concen: 53.73 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

Tgt Ion: 43 Resp: 102594

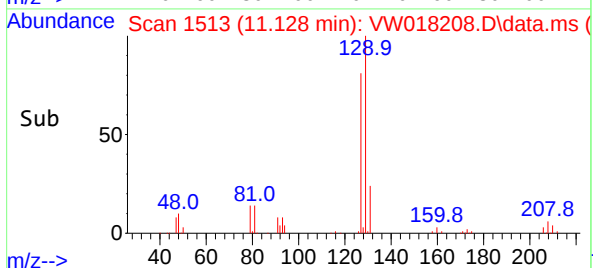
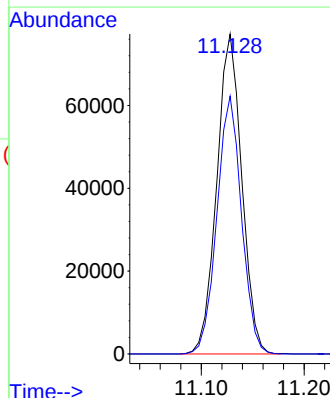
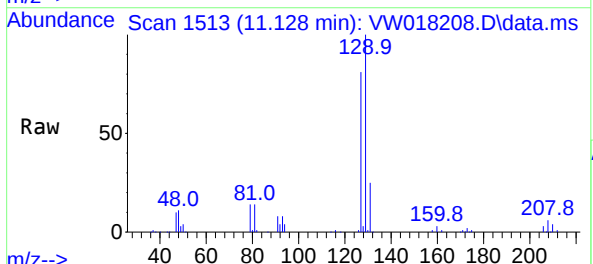
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 60.1  | 51.3  | 76.9  |
| 57  | 21.8  | 15.0  | 22.6  |
| 100 | 17.2  | 12.2  | 18.2  |

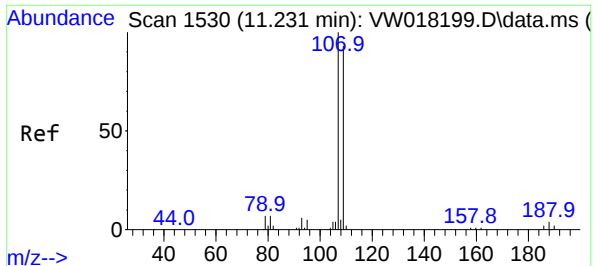


#50  
Dibromochloromethane  
Concen: 28.89 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 129 Resp: 130553

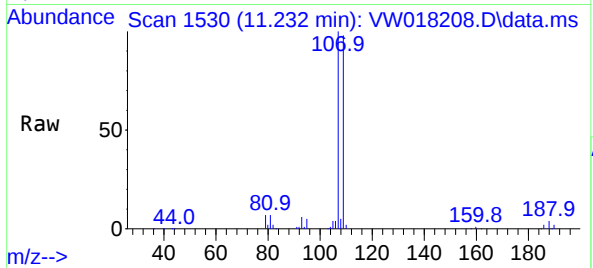
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 80.5  | 53.2  | 98.8  |



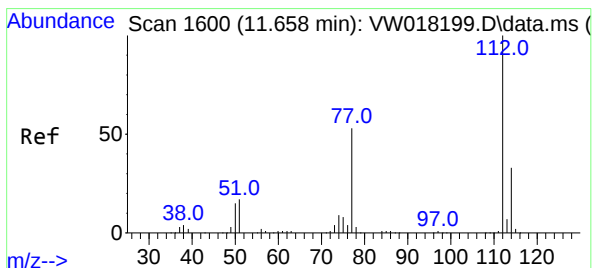
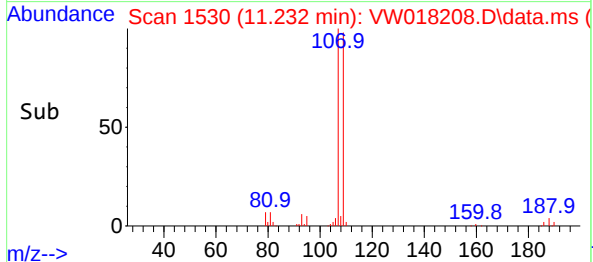
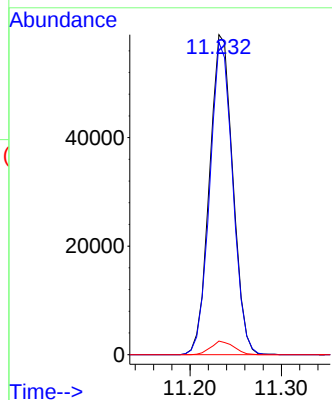


#51  
1,2-Dibromoethane  
Concen: 27.80 ug/L  
RT: 11.232 min Scan# 1530  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

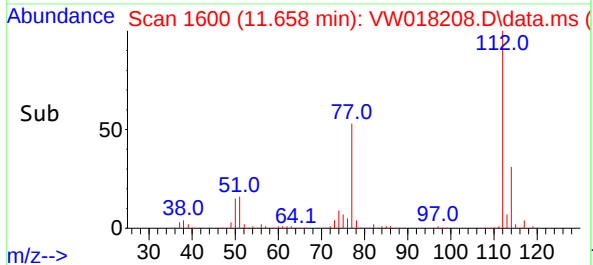
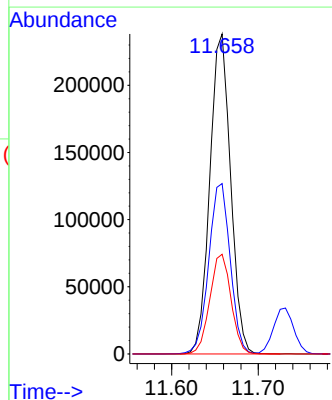
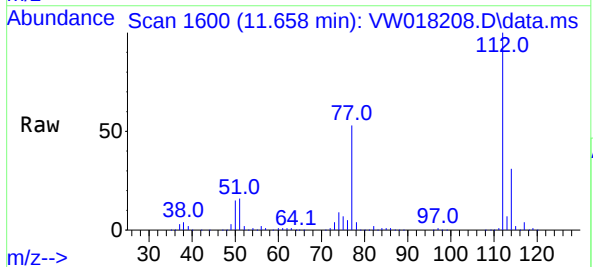


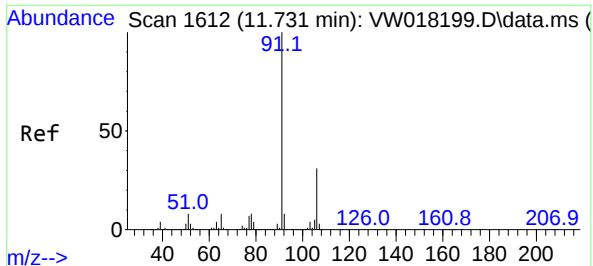
Tgt Ion:107 Resp: 104618  
Ion Ratio Lower Upper  
107 100  
109 97.7 66.4 123.2  
188 4.3 4.0 6.0



#52  
Chlorobenzene  
Concen: 28.44 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion:112 Resp: 397094  
Ion Ratio Lower Upper  
112 100  
77 53.2 42.6 64.0  
114 31.1 21.6 40.2

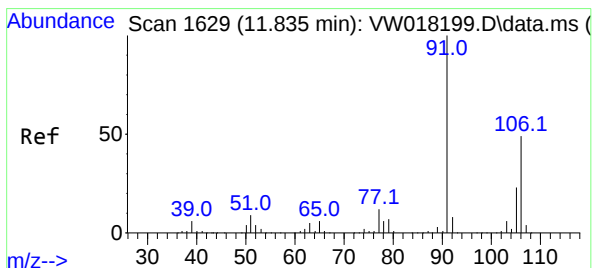
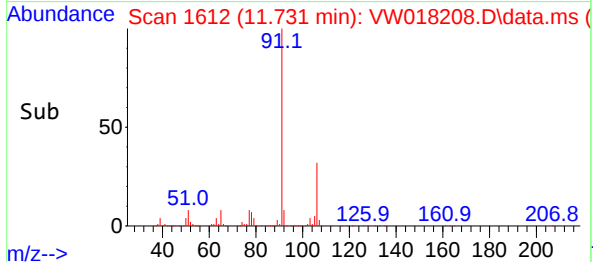
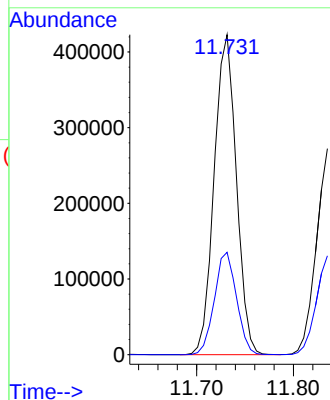
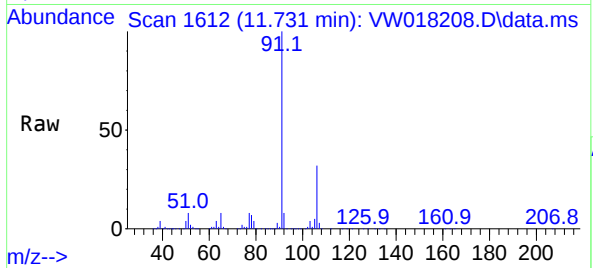




#53  
Ethylbenzene  
Concen: 27.97 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

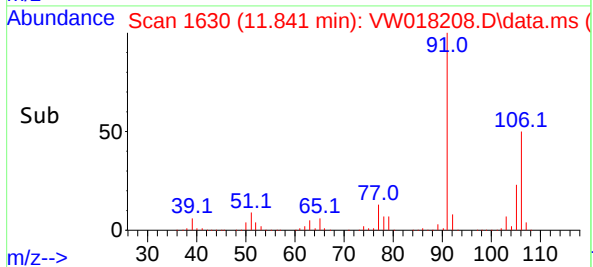
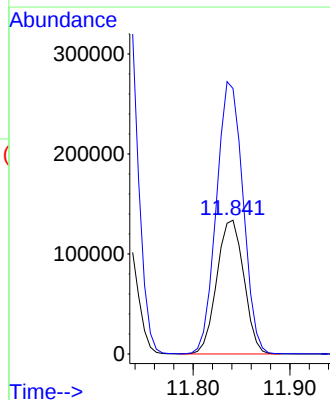
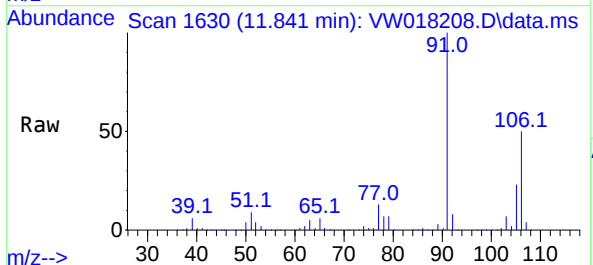
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02531

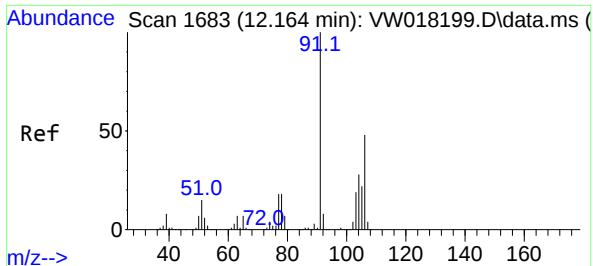
Tgt Ion: 91 Resp: 673733  
Ion Ratio Lower Upper  
91 100  
106 32.0 21.1 39.1



#54  
m,p-Xylene  
Concen: 28.32 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion:106 Resp: 260039  
Ion Ratio Lower Upper  
106 100  
91 198.5 136.4 253.4

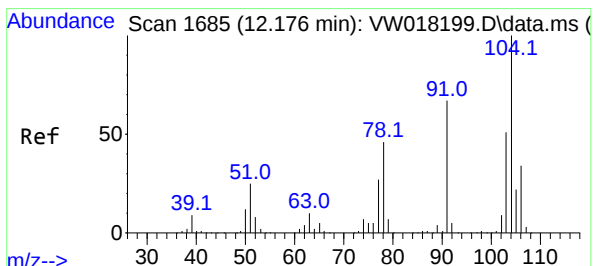
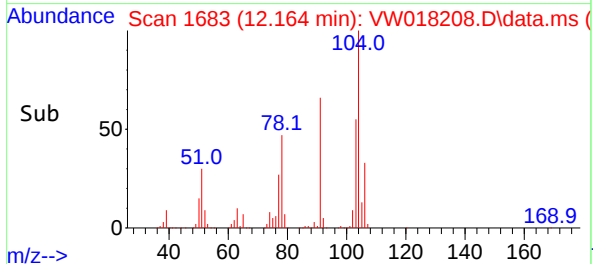
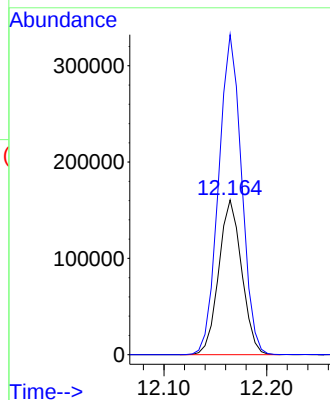
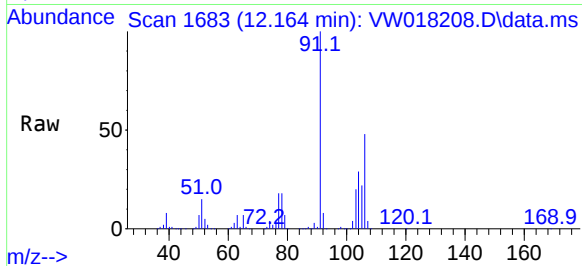




#55  
o-xylene  
Concen: 28.57 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

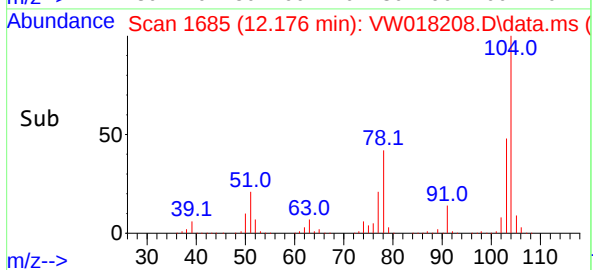
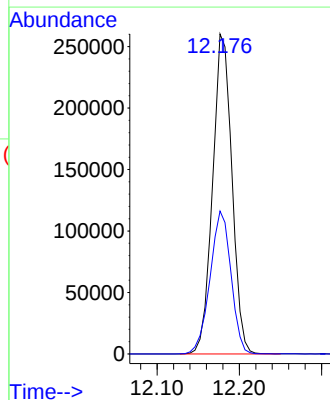
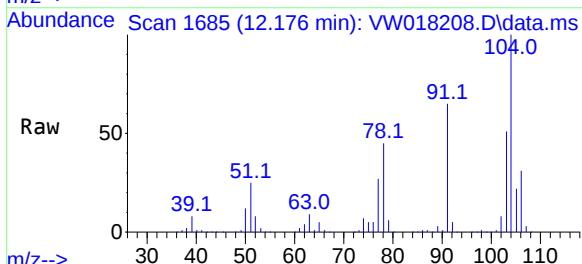
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

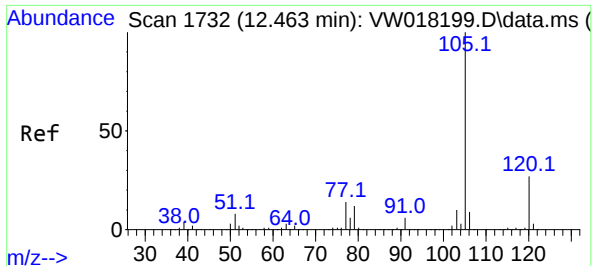
Tgt Ion:106 Resp: 248891  
Ion Ratio Lower Upper  
106 100  
91 206.8 147.6 274.2



#56  
Styrene  
Concen: 28.68 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion:104 Resp: 424919  
Ion Ratio Lower Upper  
104 100  
78 44.7 31.3 58.1

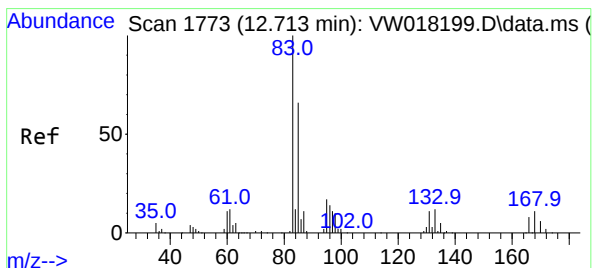
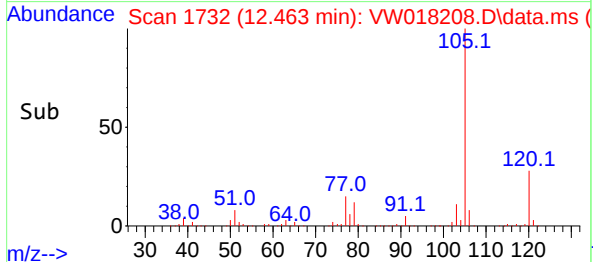
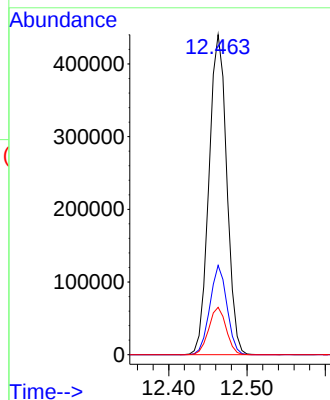
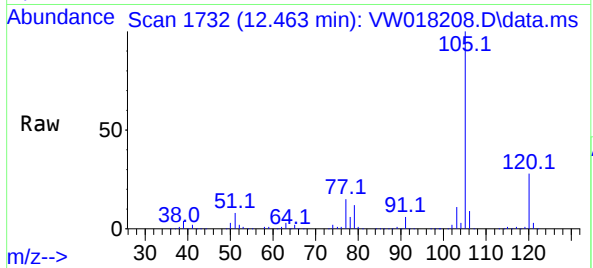




#57  
Isopropylbenzene  
Concen: 28.66 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

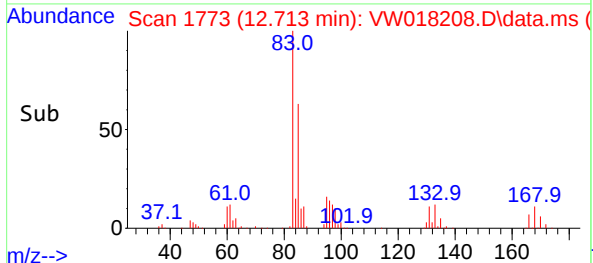
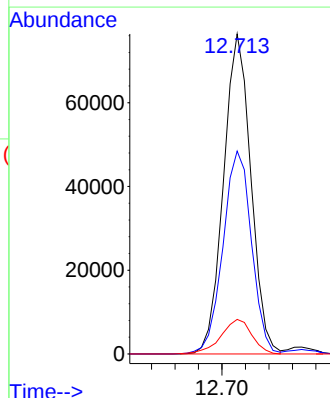
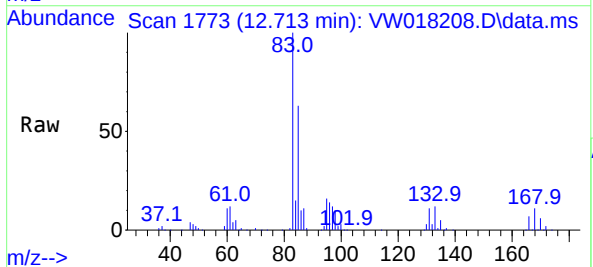
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02531

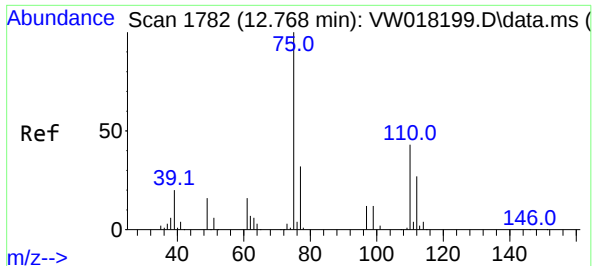
Tgt Ion:105 Resp: 695364  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.4 32.2  
77 14.5 12.1 18.1



#58  
1,1,2,2-Tetrachloroethane  
Concen: 27.71 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 83 Resp: 123640  
Ion Ratio Lower Upper  
83 100  
85 63.4 45.3 84.1  
131 10.8 8.3 12.5

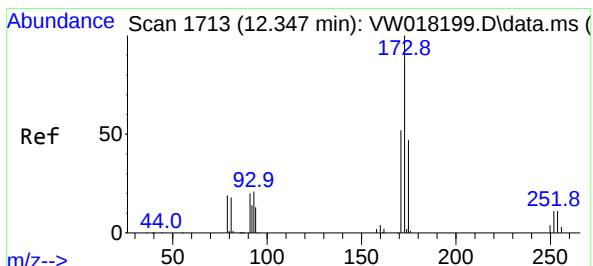
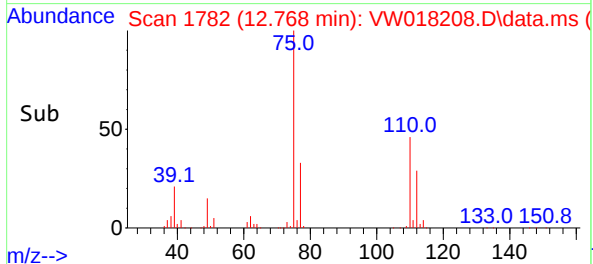
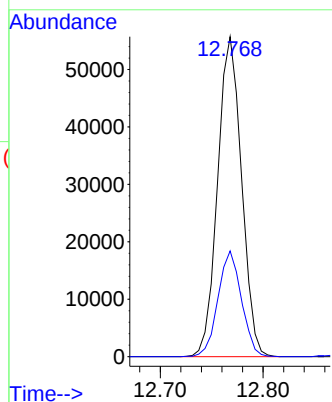
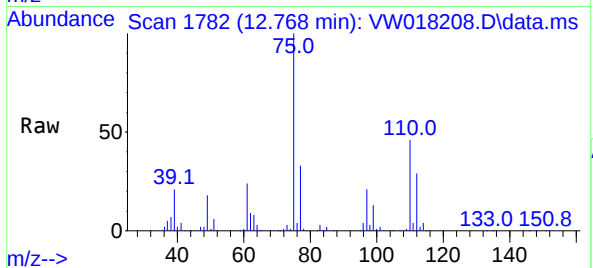




#59  
1,2,3-Trichloropropane  
Concen: 26.61 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

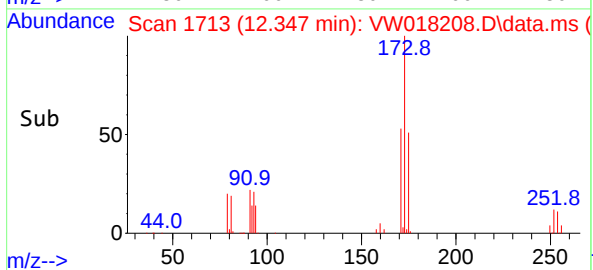
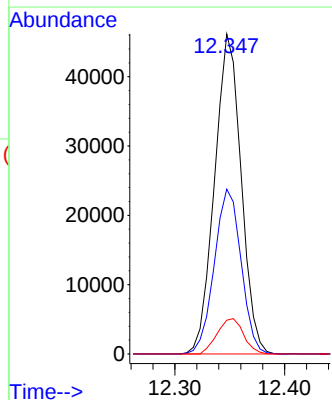
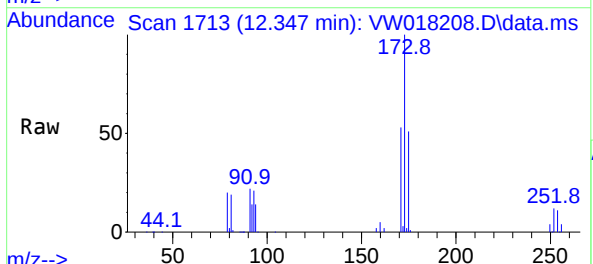
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

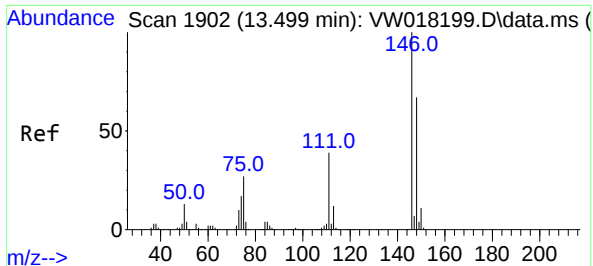
Tgt Ion: 75 Resp: 89955  
Ion Ratio Lower Upper  
75 100  
77 32.4 26.6 39.8



#62  
Bromoform  
Concen: 27.91 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion:173 Resp: 77760  
Ion Ratio Lower Upper  
173 100  
175 52.0 39.1 58.7  
254 11.0 7.1 10.7#

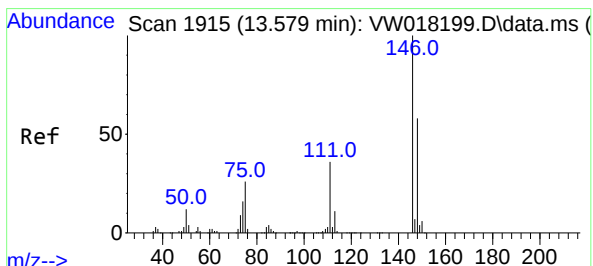
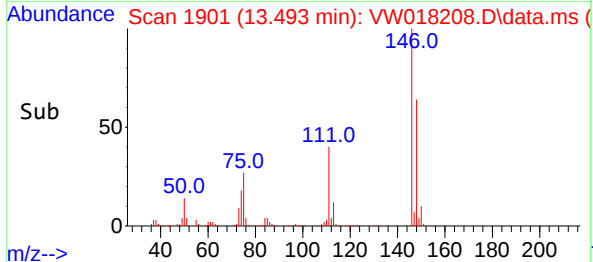
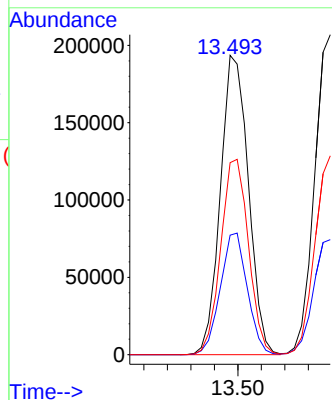
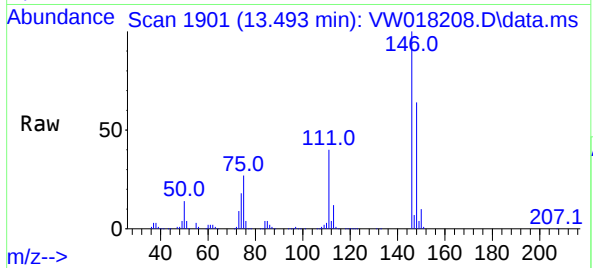




#63  
1,3-Dichlorobenzene  
Concen: 27.81 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. -0.006 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

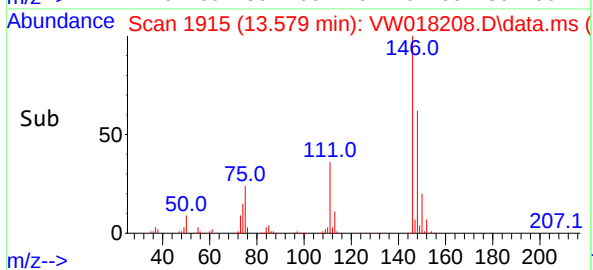
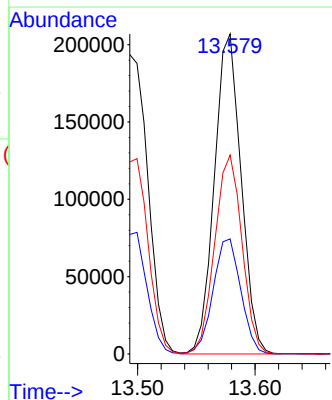
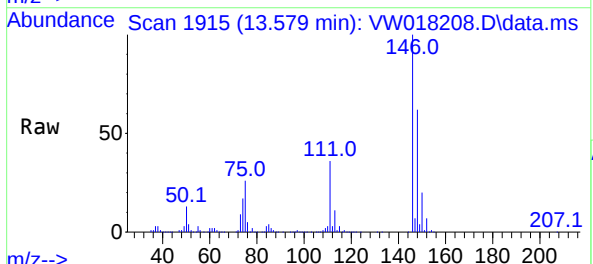
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02531

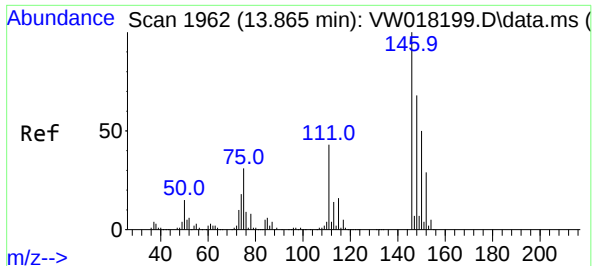
Tgt Ion:146 Resp: 320546  
Ion Ratio Lower Upper  
146 100  
111 39.9 28.5 52.9  
148 64.1 47.8 88.8



#64  
1,4-Dichlorobenzene  
Concen: 28.26 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion:146 Resp: 327587  
Ion Ratio Lower Upper  
146 100  
111 36.0 27.7 51.5  
148 62.1 47.0 87.2

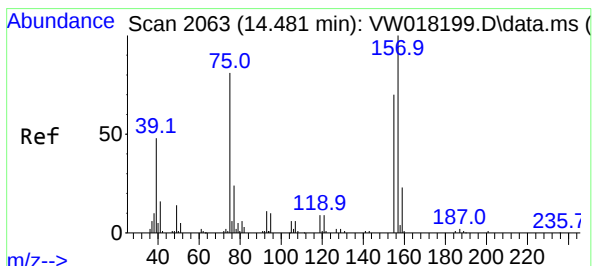
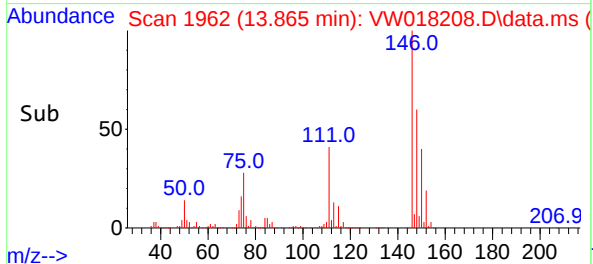
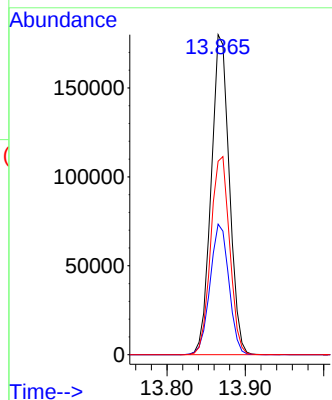
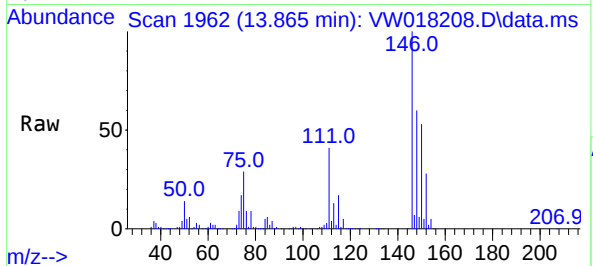




#65  
1,2-Dichlorobenzene  
Concen: 27.84 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

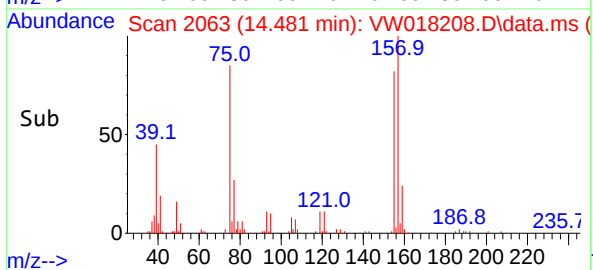
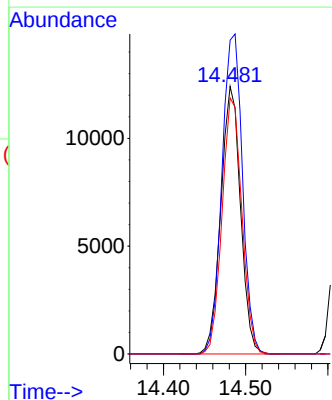
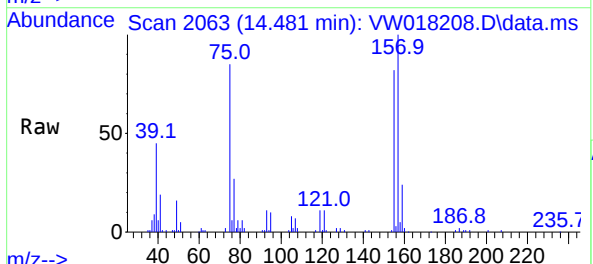
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02531

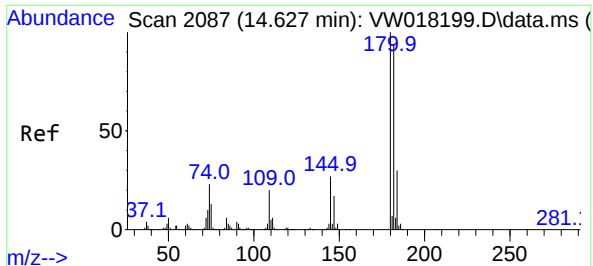
Tgt Ion:146 Resp: 289396  
Ion Ratio Lower Upper  
146 100  
111 40.8 31.7 47.5  
148 60.4 49.3 73.9



#66  
1,2-Dibromo-3-chloropropane  
Concen: 26.21 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion: 75 Resp: 20631  
Ion Ratio Lower Upper  
75 100  
157 117.3 99.9 149.9  
155 95.7 71.4 107.0



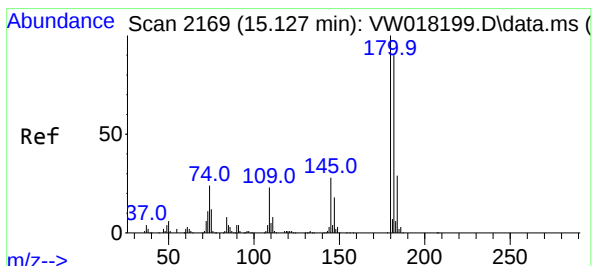
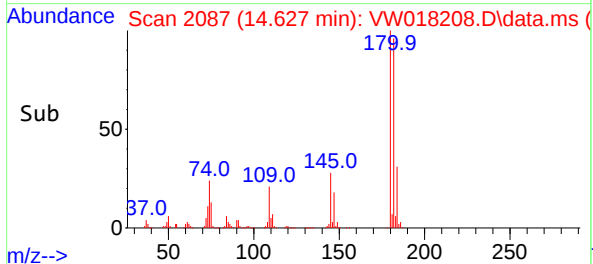
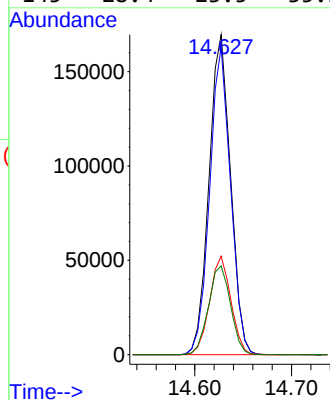
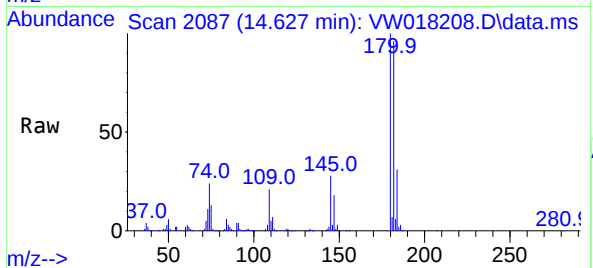


#67  
1,3,5-Trichlorobenzene  
Concen: 29.64 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02531

Tgt Ion:180 Resp: 262434

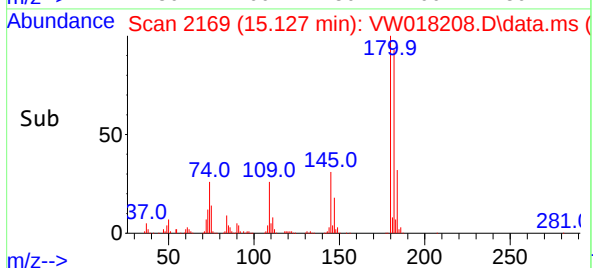
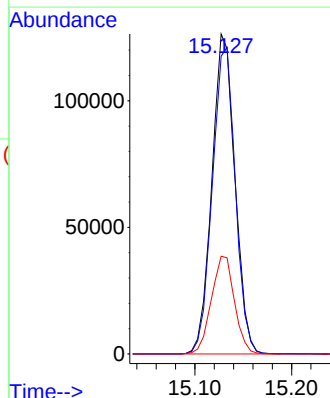
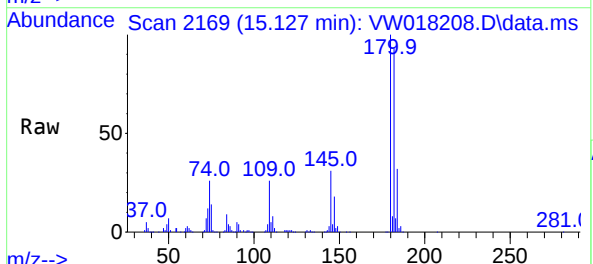
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 93.1  | 77.0  | 115.6 |
| 184 | 30.4  | 24.2  | 36.4  |
| 145 | 28.4  | 23.5  | 35.3  |

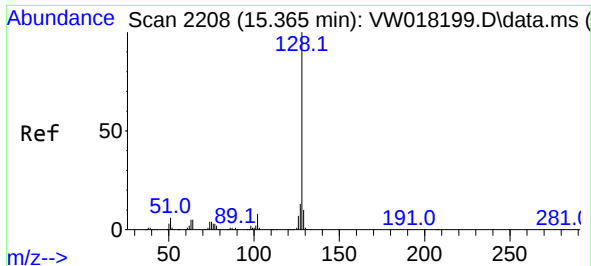


#68  
1,2,4-trichlorobenzene  
Concen: 28.26 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion:180 Resp: 208591

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 71.3  | 106.9 |
| 145 | 30.7  | 24.0  | 36.0  |

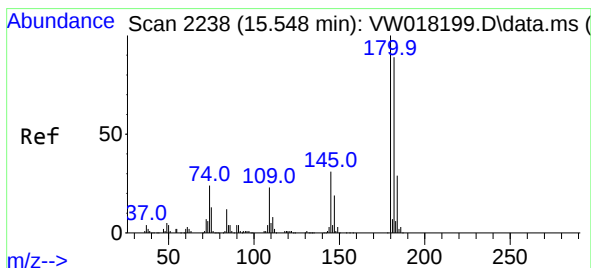
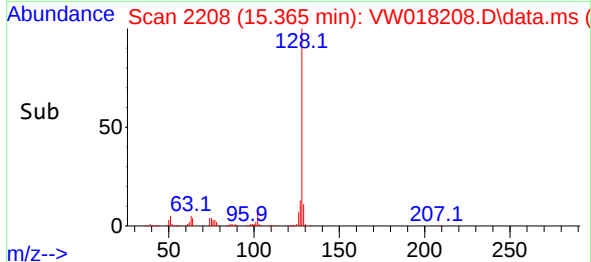
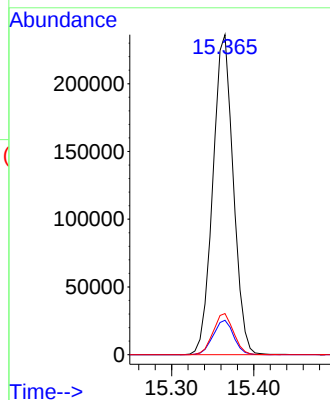
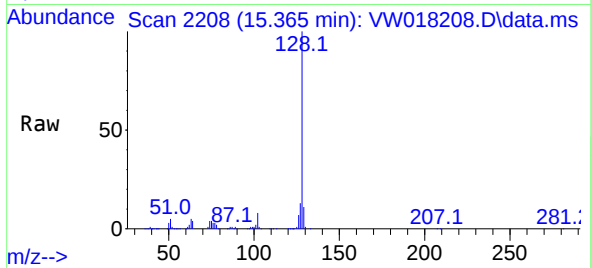




#69  
Naphthalene  
Concen: 28.35 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02531

Tgt Ion:128 Resp: 407221  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.7 13.1  
127 12.9 10.7 16.1



#70  
1,2,3-Trichlorobenzene  
Concen: 28.39 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW018208.D  
Acq: 19 Feb 2021 12:09

Tgt Ion:180 Resp: 186777  
Ion Ratio Lower Upper  
180 100  
182 94.5 74.7 112.1  
145 31.3 25.4 38.0

