

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW033021\  
 Data File : VW018501.D  
 Acq On : 30 Mar 2021 12:08  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD02521

Quant Time: Mar 31 01:14:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 31 01:12:37 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|-------|----------|
| -----                         |                |      |            |        |       |          |
| Internal Standards            |                |      |            |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 440734     | 25.00  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 409994     | 25.00  | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 210881     | 25.00  | ug/L  | 0.00     |
|                               |                |      |            |        |       |          |
| System Monitoring Compounds   |                |      |            |        |       |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 113056     | 18.43  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 73.72% |       |          |
| 7) Chloroethane-d5            | 2.885          | 69   | 110790     | 20.64  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 82.56% |       |          |
| 10) 1,1-Dichloroethene-d2     | 4.025          | 63   | 217655     | 20.55  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 82.20% |       |          |
| 20) 2-Butanone-d5             | 7.232          | 46   | 214        | 0.16   | ug/L  | 0.16     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 0.32%# |       |          |
| 24) Chloroform-d              | 7.647          | 84   | 249714     | 22.24  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 88.96% |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 146713     | 22.39  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 89.56% |       |          |
| 29) Benzene-d6                | 8.275          | 84   | 441738     | 20.27  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 81.08% |       |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 134980     | 21.47  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 85.88% |       |          |
| 37) Toluene-d8                | 10.323         | 98   | 429439     | 20.46  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 81.84% |       |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 65220      | 20.11  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 80.44% |       |          |
| 39) 2-Hexanone-d5             | 10.920         | 63   | 57783      | 46.96  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 93.92% |       |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 139691     | 24.84  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 99.36% |       |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 166573     | 22.22  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 88.88% |       |          |
|                               |                |      |            |        |       |          |
| Target Compounds              |                |      |            |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014          | 85   | 118078     | 23.33  | ug/L  | 97       |
| 3) Chloromethane              | 2.215          | 50   | 140457     | 22.01  | ug/L  | 96       |
| 5) Vinyl chloride             | 2.367          | 62   | 225380     | 26.90  | ug/L  | 99       |
| 6) Bromomethane               | 2.782          | 94   | 161978     | 26.77  | ug/L  | 100      |
| 8) Chloroethane               | 2.922          | 64   | 142185     | 27.21  | ug/L  | 97       |
| 9) Trichlorofluoromethane     | 3.257          | 101  | 106549     | 25.27  | ug/L  | 99       |
| 11) 1,1,2-Trichloro-1,2,2-... | 4.062          | 101  | 147299     | 27.17  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 4.038          | 96   | 144539     | 26.13  | ug/L  | 98       |
| 13) Acetone                   | 4.117          | 43   | 49580      | 50.54  | ug/L  | 99       |
| 14) Carbon disulfide          | 4.385          | 76   | 400581     | 24.04  | ug/L  | 100      |
| 15) Methyl Acetate            | 4.665          | 43   | 63278      | 28.21  | ug/L  | 98       |
| 16) Methylene chloride        | 4.915          | 84   | 155768     | 21.55  | ug/L  | 94       |
| 17) Methyl tert-butyl Ether   | 5.428          | 73   | 202848     | 25.10  | ug/L  | 98       |
| 18) trans-1,2-Dichloroethene  | 5.421          | 96   | 155831     | 25.51  | ug/L  | 95       |
| 19) 1,1-Dichloroethane        | 6.214          | 63   | 276134     | 26.50  | ug/L  | 96       |
| 21) 2-Butanone                | 7.165          | 43   | 85751      | 55.02  | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 7.171          | 96   | 170427     | 26.53  | ug/L  | 97       |
| 23) Bromochloromethane        | 7.513          | 128  | 76073      | 26.75  | ug/L  | 92       |
| 25) Chloroform                | 7.677          | 83   | 297744     | 26.92  | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 8.397          | 62   | 213021     | 27.15  | ug/L  | 99       |

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 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD02521

Quant Time: Mar 31 01:14:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 31 01:12:37 2021  
 Response via : Initial Calibration

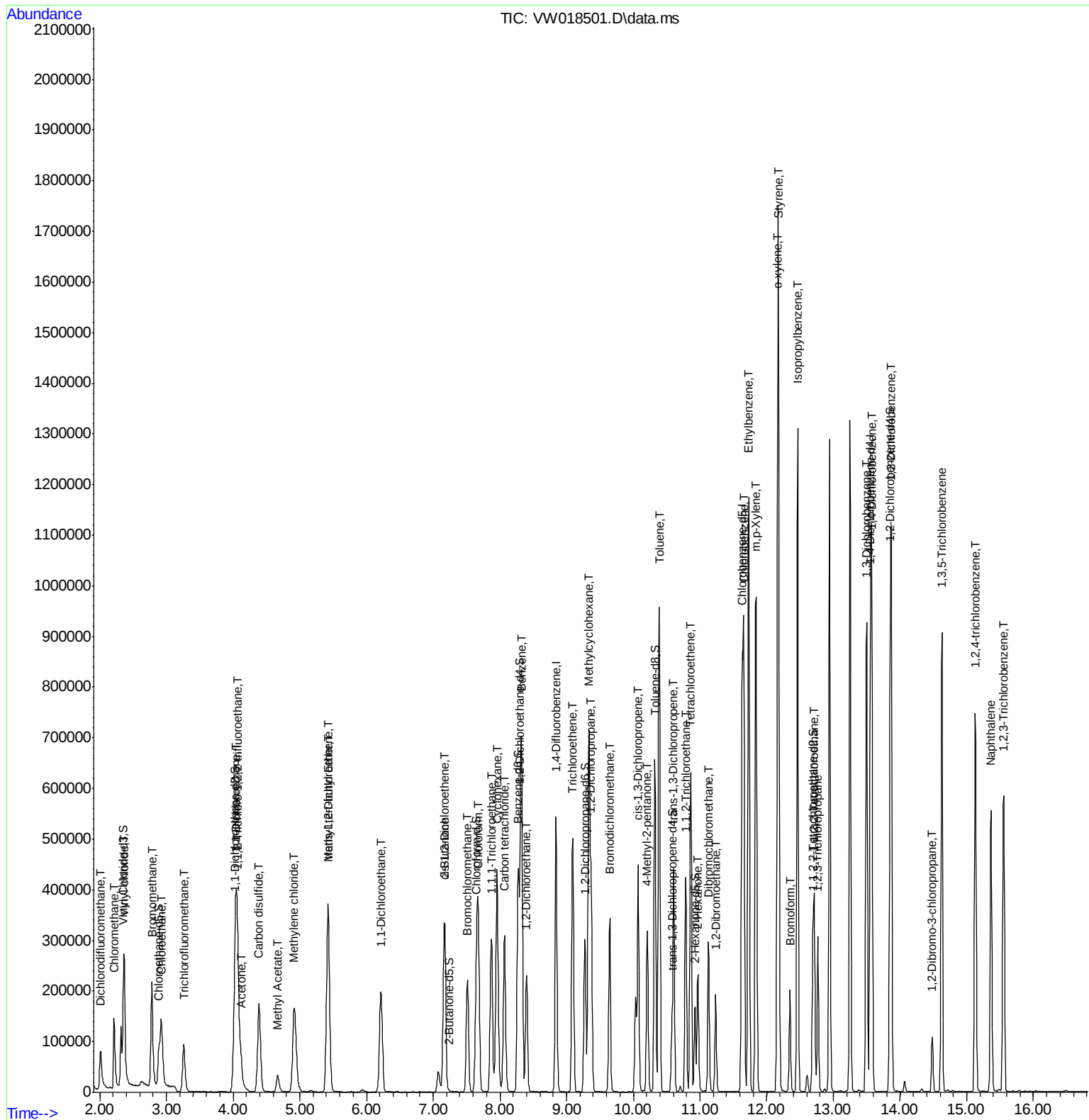
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 30) Cyclohexane               | 7.958  | 56   | 244724   | 25.14 | ug/L   | 95       |
| 31) 1,1,1-Trichloroethane     | 7.872  | 97   | 241154   | 26.32 | ug/L   | 97       |
| 32) Carbon tetrachloride      | 8.067  | 117  | 230059   | 26.94 | ug/L   | 99       |
| 34) Benzene                   | 8.323  | 78   | 624396   | 26.30 | ug/L   | 100      |
| 35) Trichloroethene           | 9.092  | 95   | 172445   | 26.29 | ug/L   | 98       |
| 36) Methylcyclohexane         | 9.335  | 83   | 294585   | 25.65 | ug/L   | 99       |
| 40) 1,2-Dichloropropane       | 9.366  | 63   | 153354   | 26.40 | ug/L   | 98       |
| 41) Bromodichloromethane      | 9.646  | 83   | 216815   | 26.41 | ug/L   | 98       |
| 42) cis-1,3-Dichloropropene   | 10.073 | 75   | 253377   | 25.80 | ug/L   | 99       |
| 43) 4-Methyl-2-pentanone      | 10.207 | 43   | 195257   | 55.90 | ug/L   | 95       |
| 44) Toluene                   | 10.390 | 91   | 719980   | 26.67 | ug/L   | 94       |
| 45) trans-1,3-Dichloropropene | 10.603 | 75   | 232582   | 26.37 | ug/L   | 97       |
| 46) 1,1,2-Trichloroethane     | 10.786 | 97   | 125910   | 27.19 | ug/L   | 98       |
| 47) Tetrachloroethene         | 10.860 | 164  | 131580   | 26.42 | ug/L   | 97       |
| 49) 2-Hexanone                | 10.969 | 43   | 139548   | 56.46 | ug/L   | 95       |
| 50) Dibromochloromethane      | 11.128 | 129  | 143791   | 26.33 | ug/L   | 99       |
| 51) 1,2-Dibromoethane         | 11.231 | 107  | 125746   | 27.42 | ug/L   | 96       |
| 52) Chlorobenzene             | 11.658 | 112  | 457144   | 26.71 | ug/L   | 98       |
| 53) Ethylbenzene              | 11.731 | 91   | 821304   | 26.99 | ug/L   | 98       |
| 54) m,p-Xylene                | 11.841 | 106  | 314269   | 27.02 | ug/L   | 99       |
| 55) o-xylene                  | 12.164 | 106  | 300286   | 27.08 | ug/L   | 96       |
| 56) Styrene                   | 12.176 | 104  | 510448   | 27.00 | ug/L   | 99       |
| 57) Isopropylbenzene          | 12.463 | 105  | 826906   | 27.42 | ug/L   | 100      |
| 58) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 161178   | 28.75 | ug/L   | 92       |
| 59) 1,2,3-Trichloropropane    | 12.768 | 75   | 122322   | 28.90 | ug/L   | 99       |
| 62) Bromoform                 | 12.347 | 173  | 82661    | 25.56 | ug/L # | 95       |
| 63) 1,3-Dichlorobenzene       | 13.499 | 146  | 357791   | 26.51 | ug/L   | 99       |
| 64) 1,4-Dichlorobenzene       | 13.579 | 146  | 361083   | 26.51 | ug/L   | 95       |
| 65) 1,2-Dichlorobenzene       | 13.865 | 146  | 325204   | 26.96 | ug/L   | 95       |
| 66) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 27643    | 25.36 | ug/L # | 87       |
| 67) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 264480   | 27.17 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene    | 15.127 | 180  | 217982   | 26.32 | ug/L   | 93       |
| 69) Naphthalene               | 15.365 | 128  | 463753   | 26.89 | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 190385   | 26.34 | ug/L   | 99       |

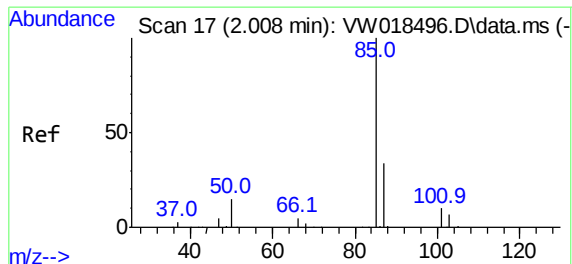
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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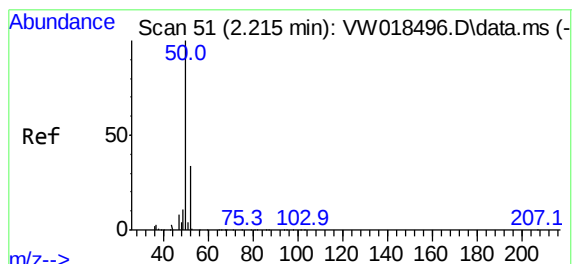
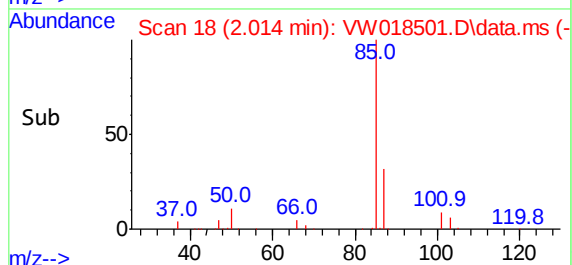
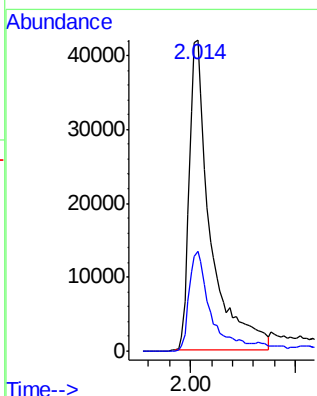
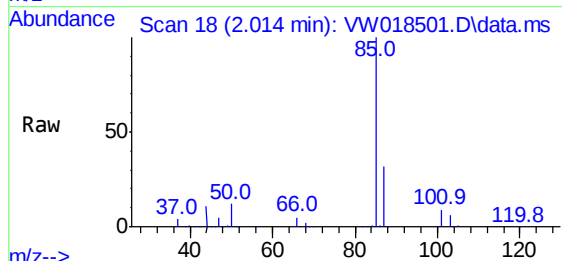




#2  
Dichlorodifluoromethane  
Concen: 23.33 ug/L  
RT: 2.014 min Scan# 18  
Delta R.T. 0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

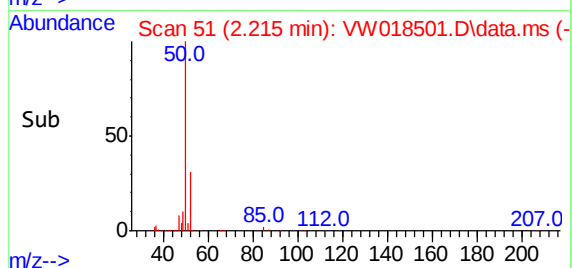
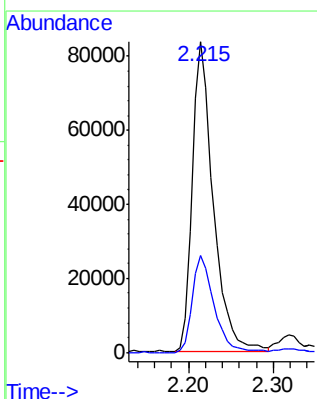
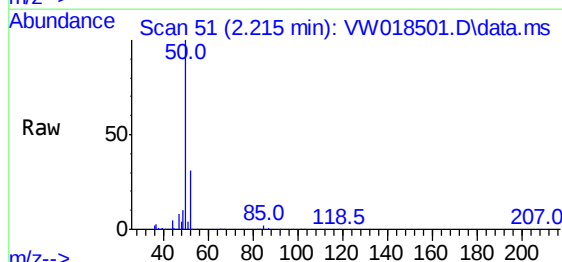
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

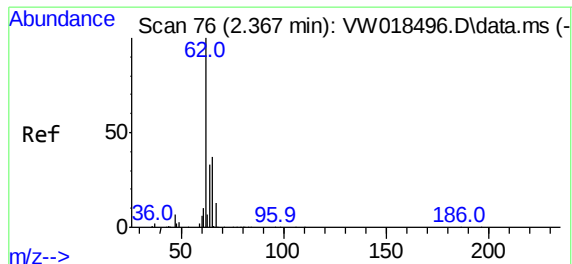
Tgt Ion: 85 Resp: 118078  
Ion Ratio Lower Upper  
85 100  
87 30.3 22.2 41.2



#3  
Chloromethane  
Concen: 22.01 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 50 Resp: 140457  
Ion Ratio Lower Upper  
50 100  
52 31.3 23.7 43.9

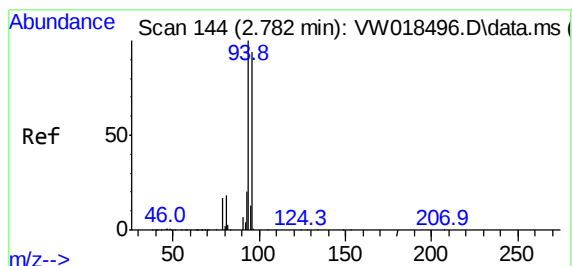
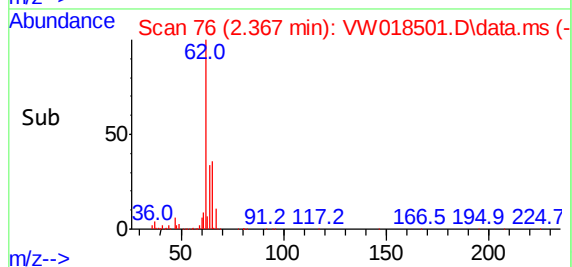
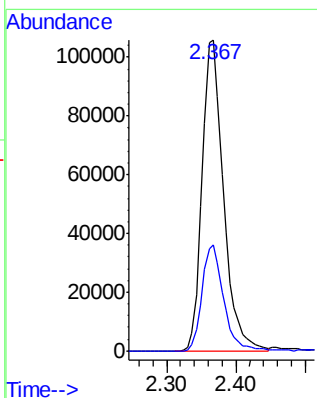
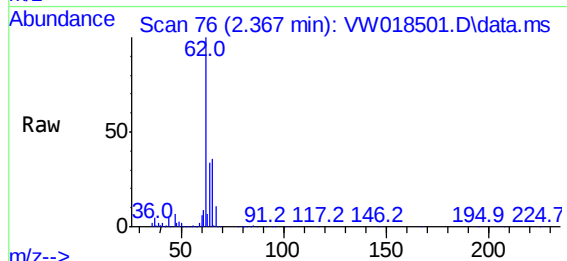




#5  
 Vinyl chloride  
 Concen: 26.90 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VW018501.D  
 Acq: 30 Mar 2021 12:08

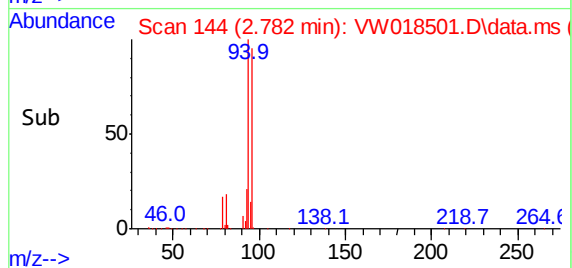
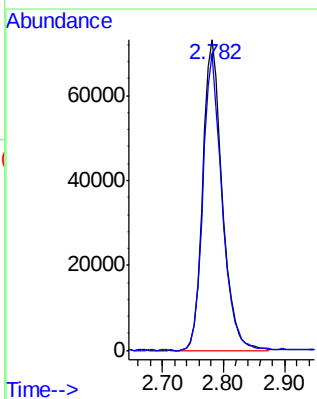
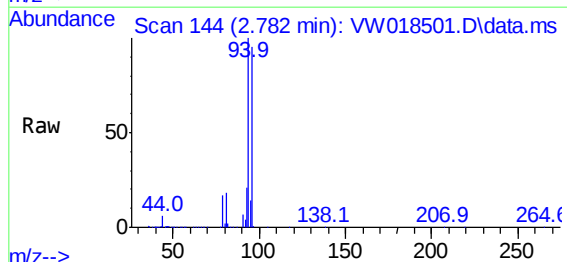
Instrument :  
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 ClientSampled :  
 VSTD02521

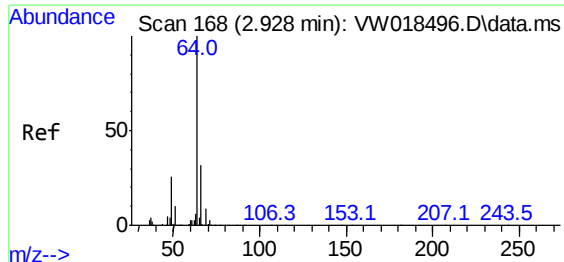
Tgt Ion: 62 Resp: 225380  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 23.5 43.7



#6  
 Bromomethane  
 Concen: 26.77 ug/L  
 RT: 2.782 min Scan# 144  
 Delta R.T. -0.000 min  
 Lab File: VW018501.D  
 Acq: 30 Mar 2021 12:08

Tgt Ion: 94 Resp: 161978  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 9.4 179.4

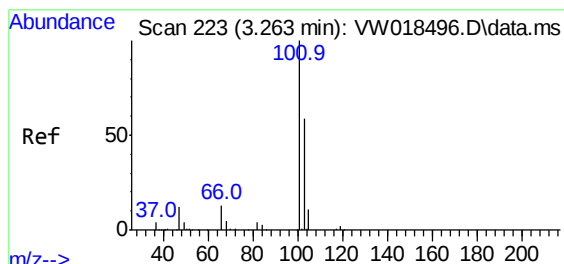
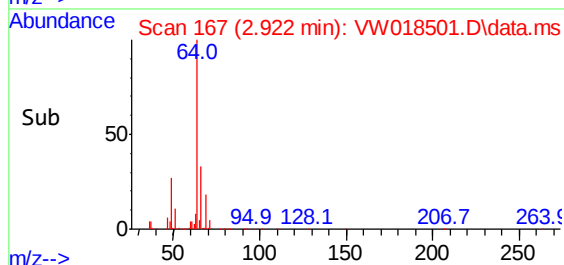
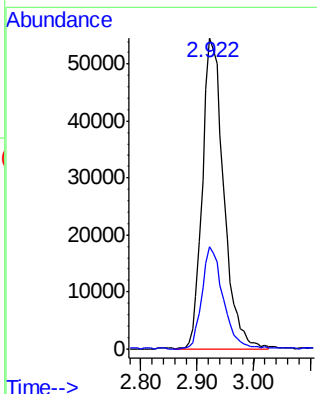
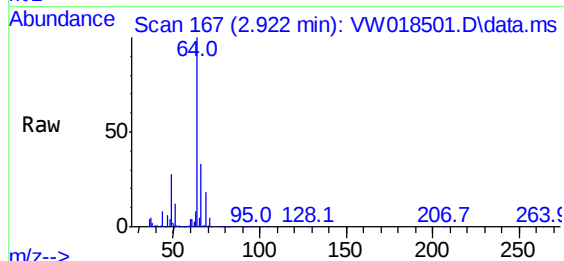




#8  
Chloroethane  
Concen: 27.21 ug/L  
RT: 2.922 min Scan# 167  
Delta R.T. -0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

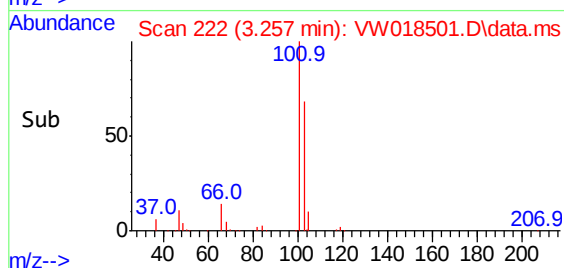
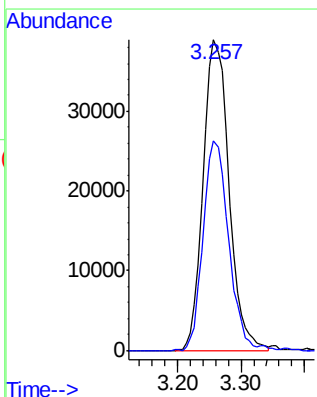
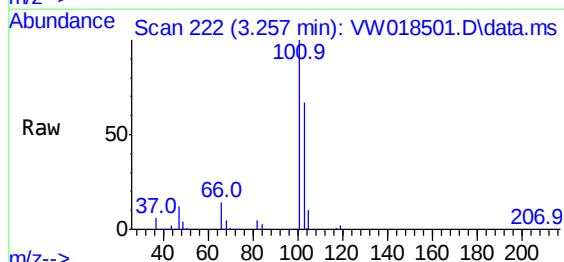
Instrument :  
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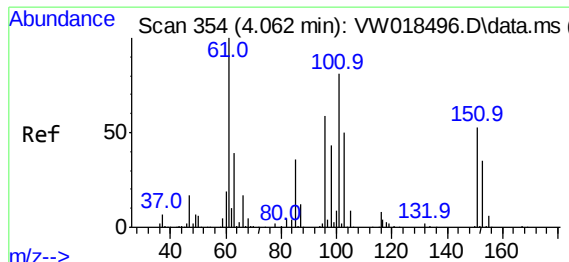
Tgt Ion: 64 Resp: 142185  
Ion Ratio Lower Upper  
64 100  
66 32.7 21.6 40.0



#9  
Trichlorofluoromethane  
Concen: 25.27 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. -0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion:101 Resp: 106549  
Ion Ratio Lower Upper  
101 100  
103 65.9 45.6 84.8



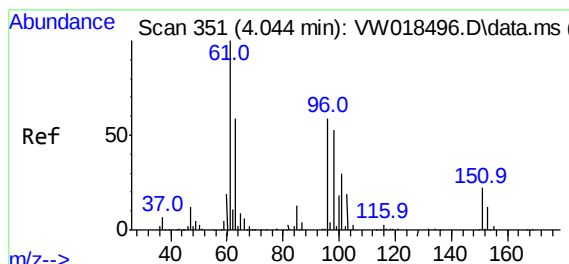
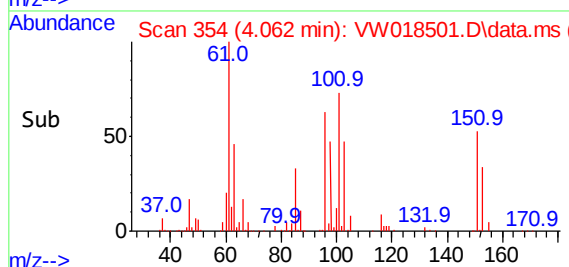
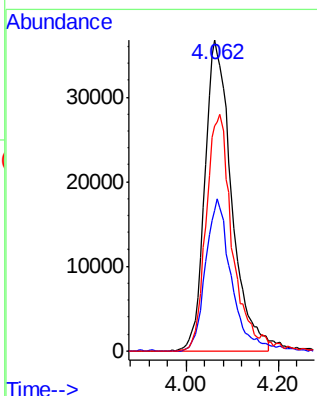
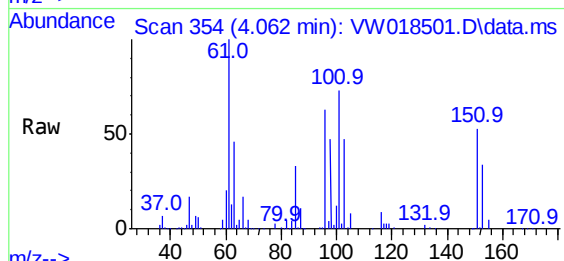


#11  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 27.17 ug/L  
 RT: 4.062 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW018501.D  
 Acq: 30 Mar 2021 12:08

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD02521

Tgt Ion:101 Resp: 147299  

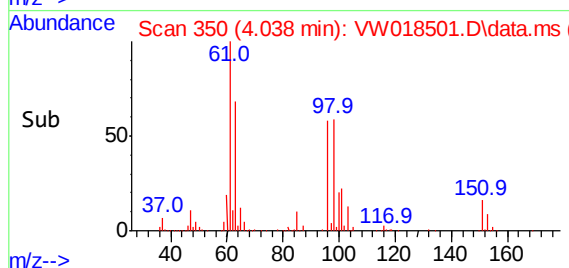
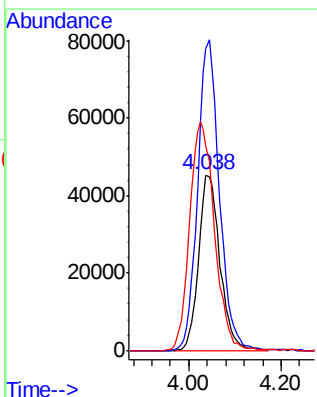
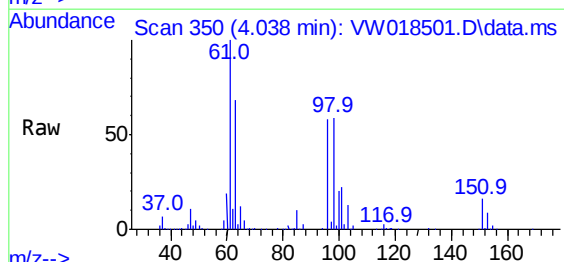
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 101 | 100   |       |       |
| 85  | 45.2  | 35.6  | 53.4  |
| 151 | 72.9  | 58.1  | 87.1  |

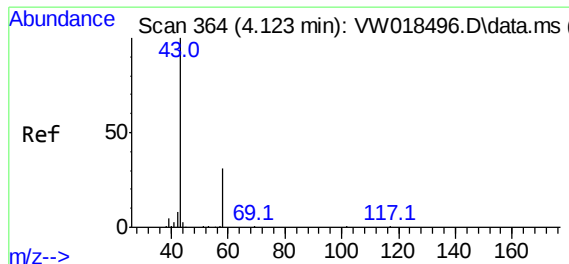


#12  
 1,1-Dichloroethene  
 Concen: 26.13 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. -0.006 min  
 Lab File: VW018501.D  
 Acq: 30 Mar 2021 12:08

Tgt Ion: 96 Resp: 144539  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 172.3 | 118.6 | 220.2 |
| 63  | 116.6 | 82.4  | 153.0 |

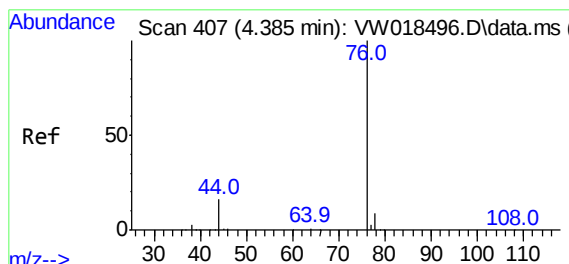
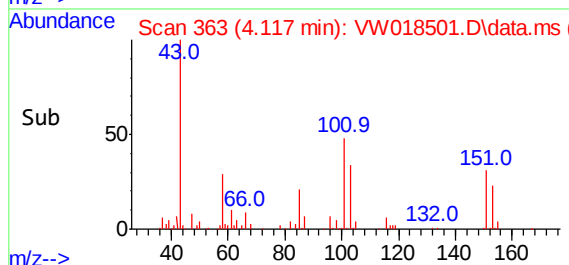
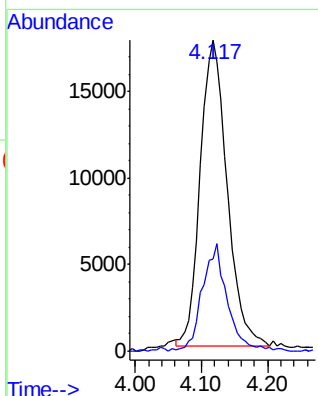
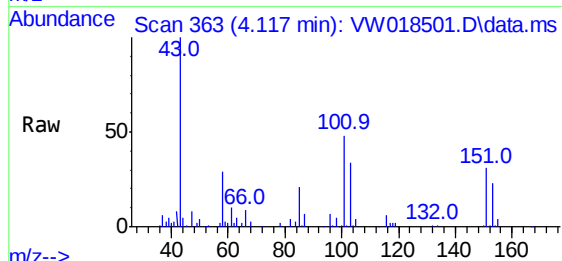




#13  
Acetone  
Concen: 50.54 ug/L  
RT: 4.117 min Scan# 363  
Delta R.T. -0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

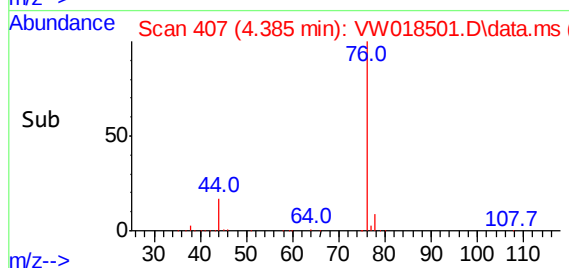
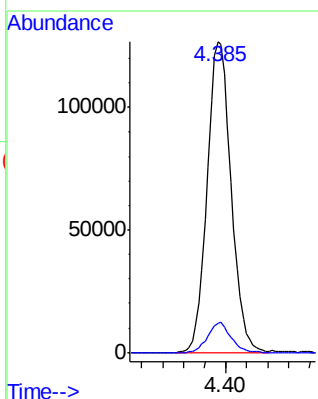
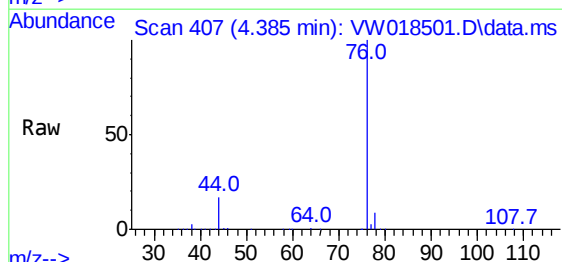
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02521

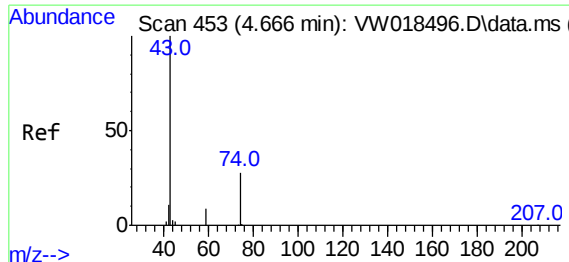
Tgt Ion: 43 Resp: 49580  
Ion Ratio Lower Upper  
43 100  
58 31.7 0.0 62.2



#14  
Carbon disulfide  
Concen: 24.04 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 76 Resp: 400581  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2

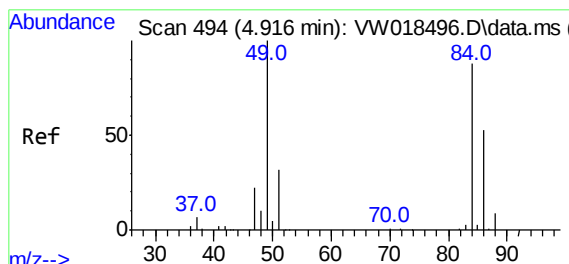
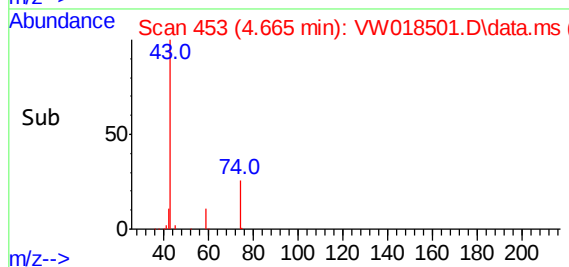
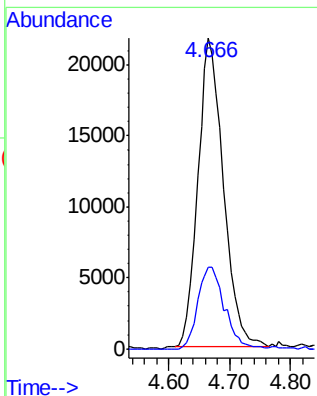
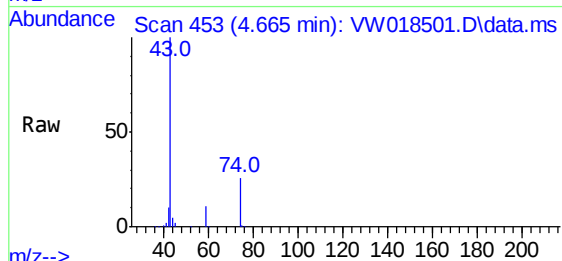




#15  
Methyl Acetate  
Concen: 28.21 ug/L  
RT: 4.665 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

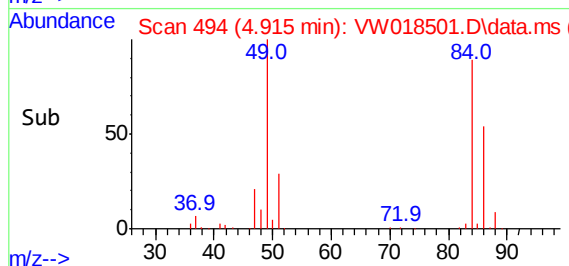
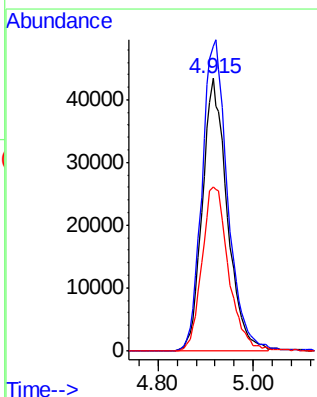
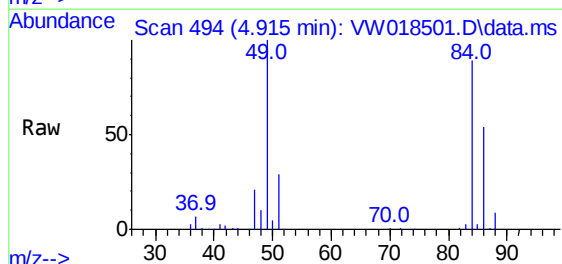
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02521

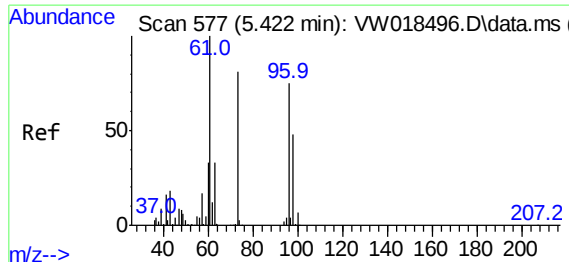
Tgt Ion: 43 Resp: 63278  
Ion Ratio Lower Upper  
43 100  
74 27.6 22.9 34.3



#16  
Methylene chloride  
Concen: 21.55 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 84 Resp: 155768  
Ion Ratio Lower Upper  
84 100  
49 111.7 74.4 138.2  
86 60.0 46.1 85.7

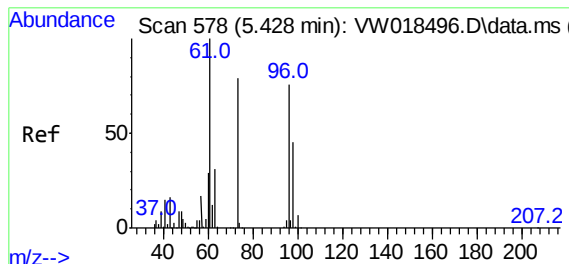
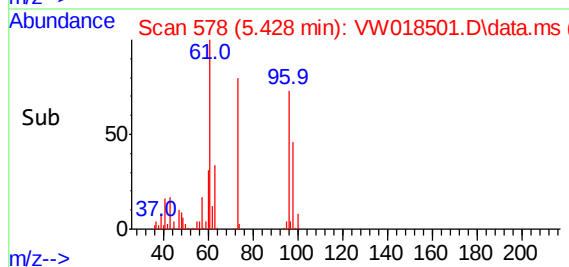
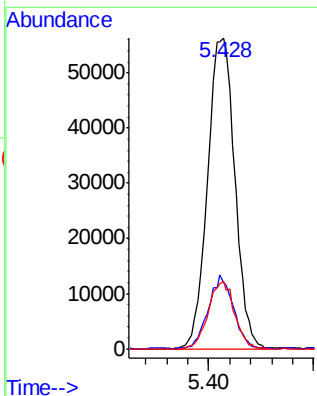
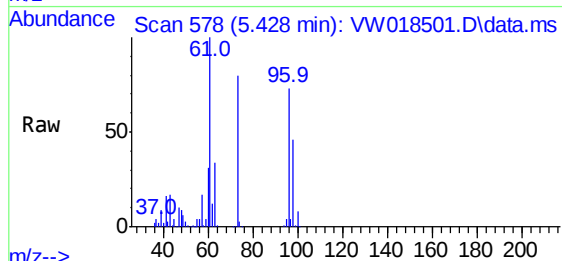




#17  
Methyl tert-butyl Ether  
Concen: 25.10 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

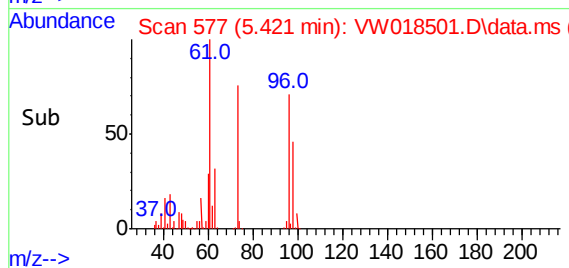
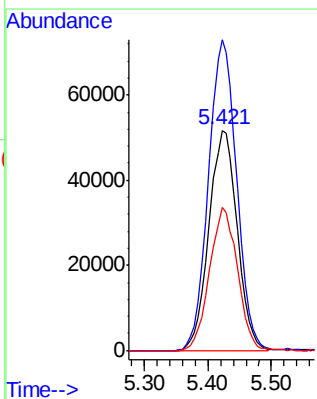
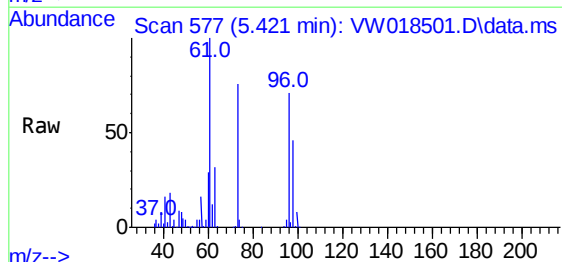
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

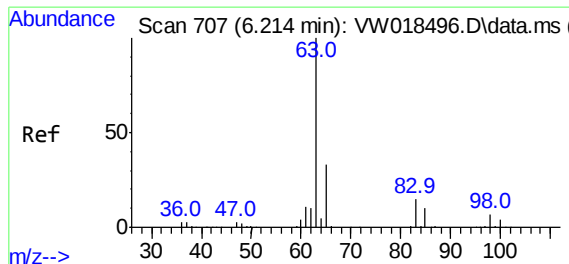
Tgt Ion: 73 Resp: 202848  
Ion Ratio Lower Upper  
73 100  
43 21.8 16.6 24.8  
57 20.9 15.9 23.9



#18  
trans-1,2-Dichloroethene  
Concen: 25.51 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 96 Resp: 155831  
Ion Ratio Lower Upper  
96 100  
61 141.2 93.3 173.3  
98 65.0 45.2 84.0

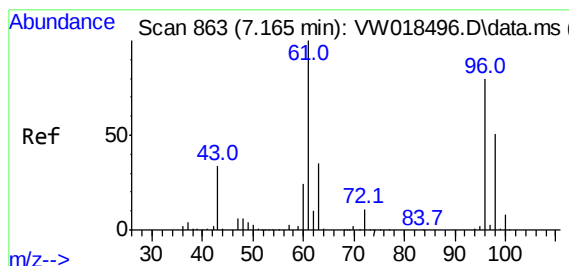
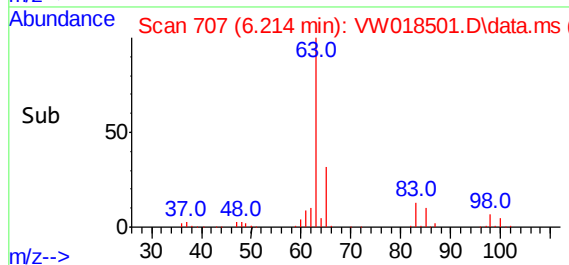
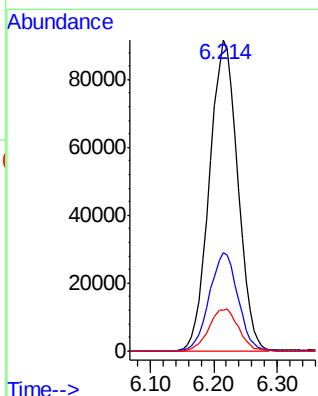
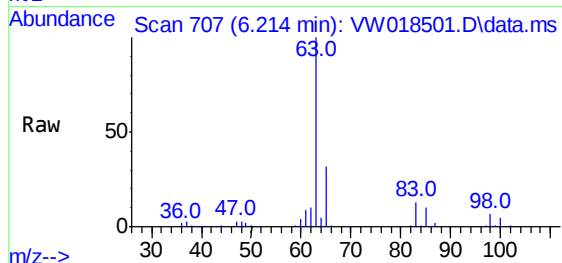




#19  
1,1-Dichloroethane  
Concen: 26.50 ug/L  
RT: 6.214 min Scan# 707  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

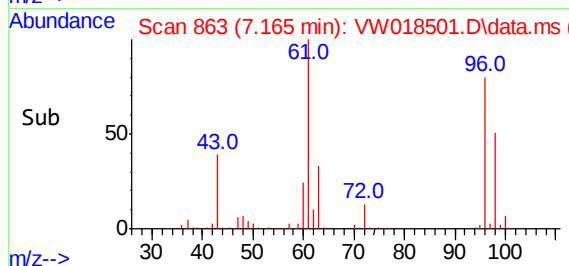
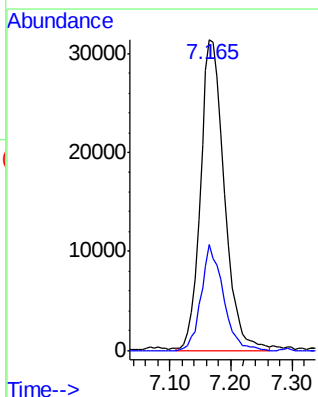
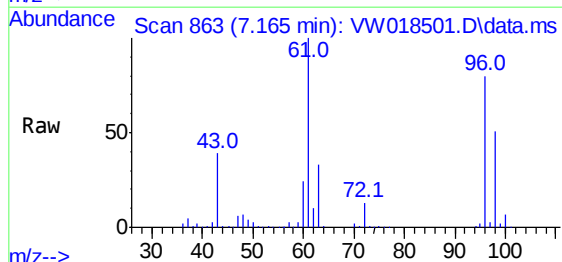
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

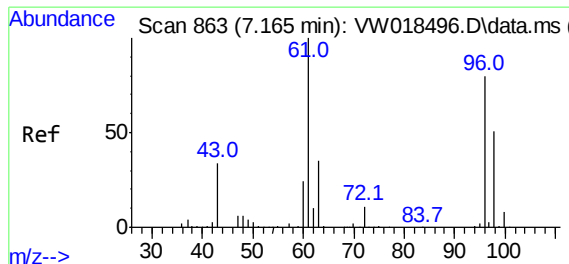
Tgt Ion: 63 Resp: 276134  
Ion Ratio Lower Upper  
63 100  
65 31.7 23.5 43.7  
83 13.1 10.3 19.1



#21  
2-Butanone  
Concen: 55.02 ug/L  
RT: 7.165 min Scan# 863  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 43 Resp: 85751  
Ion Ratio Lower Upper  
43 100  
72 31.4 16.5 49.5



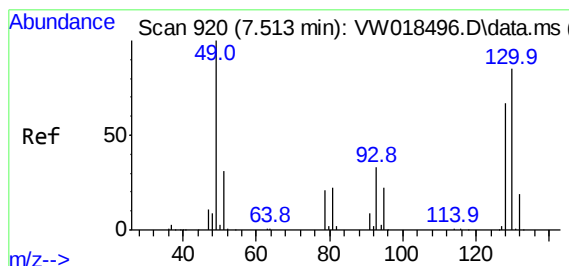
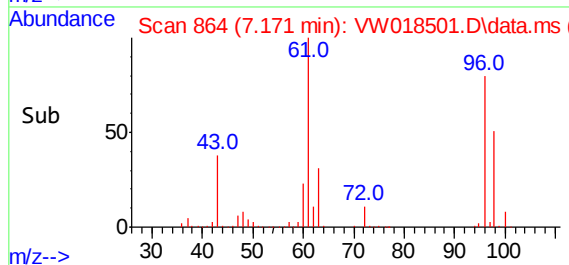
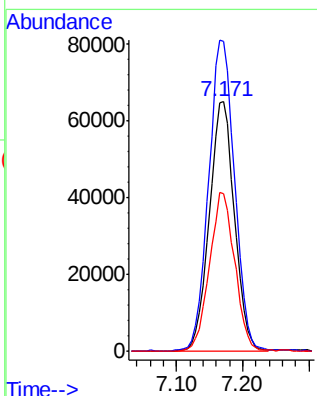
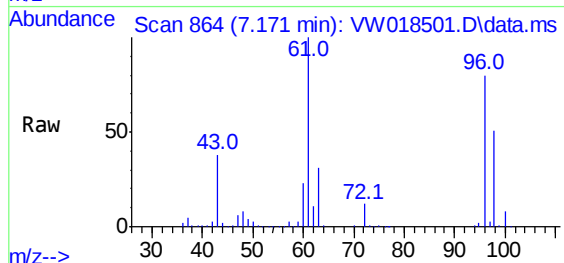


#22  
cis-1,2-Dichloroethene  
Concen: 26.53 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

Tgt Ion: 96 Resp: 170427

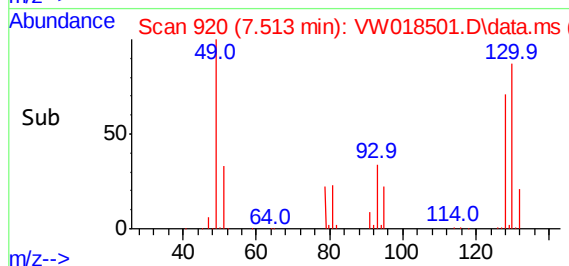
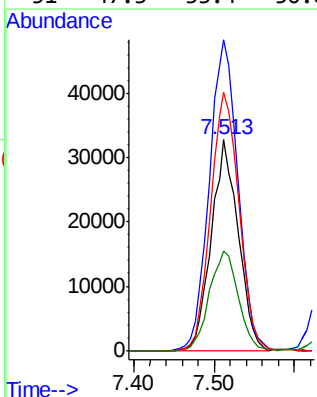
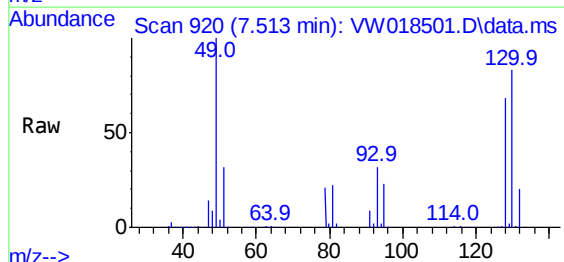
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 124.5 | 84.8  | 157.6 |
| 98  | 63.2  | 45.1  | 83.9  |

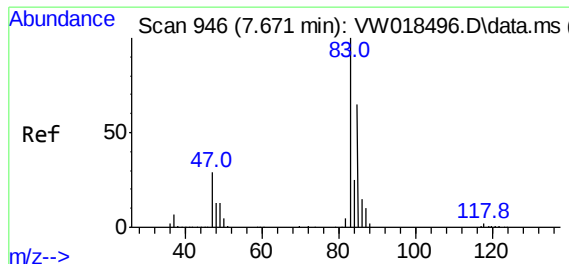


#23  
Bromochloromethane  
Concen: 26.75 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 128 Resp: 76073

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 147.4 | 92.4  | 171.6 |
| 130 | 122.8 | 83.9  | 155.7 |
| 51  | 47.3  | 33.4  | 50.0  |

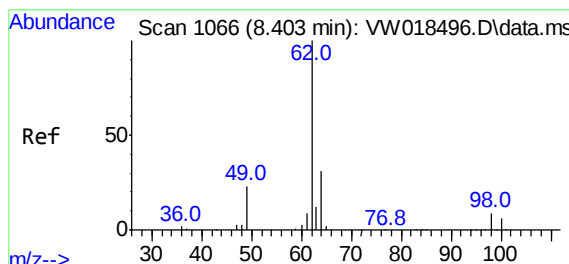
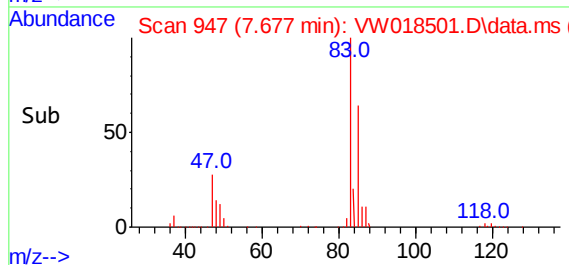
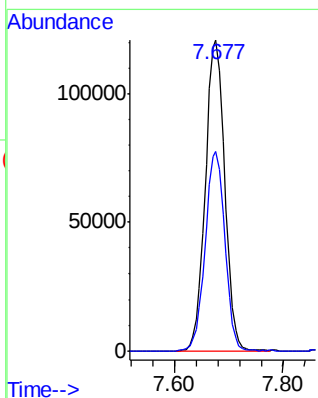
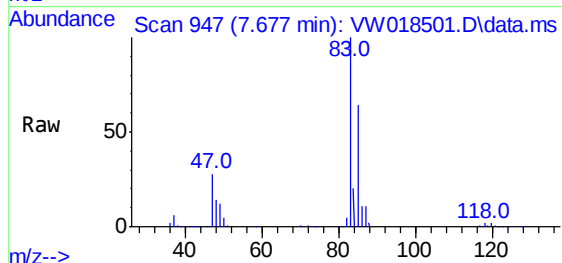




#25  
Chloroform  
Concen: 26.92 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

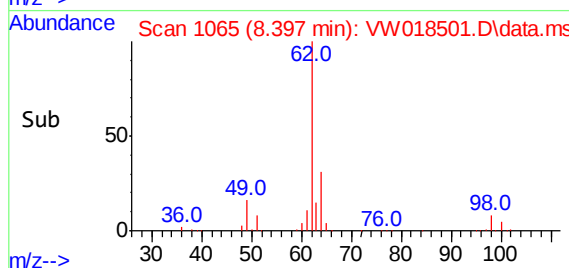
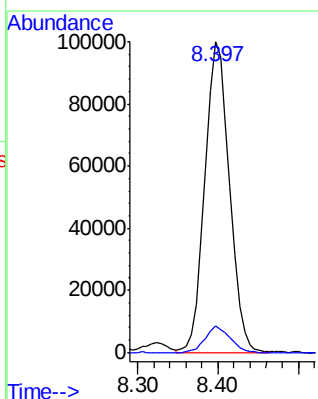
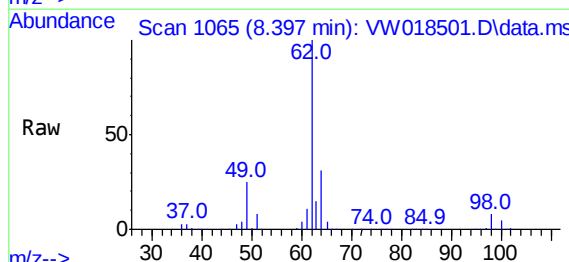
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

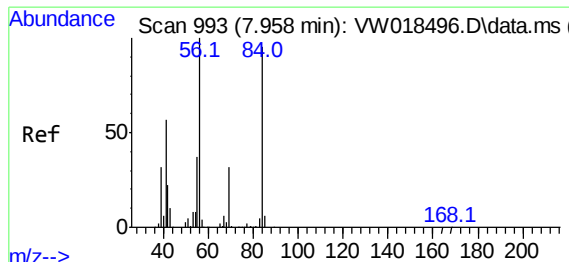
Tgt Ion: 83 Resp: 297744  
Ion Ratio Lower Upper  
83 100  
85 65.0 46.4 86.2



#27  
1,2-Dichloroethane  
Concen: 27.15 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 62 Resp: 213021  
Ion Ratio Lower Upper  
62 100  
98 8.4 6.4 9.6

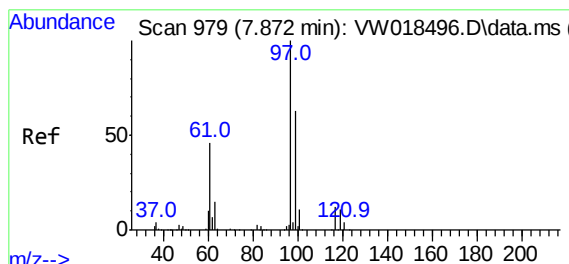
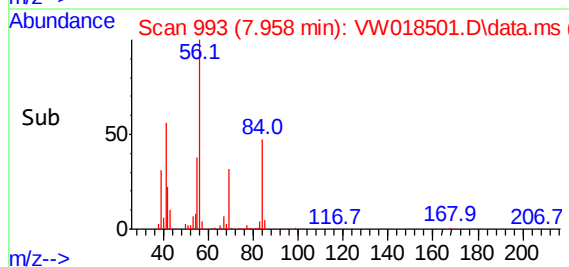
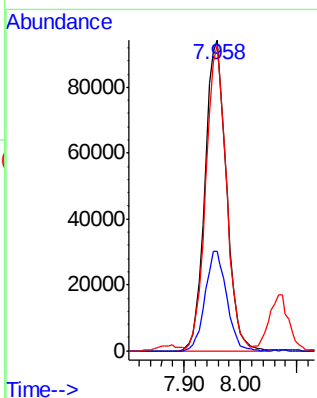
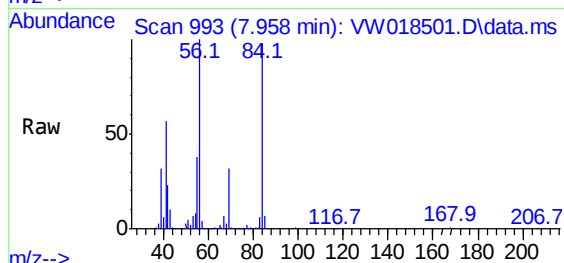




#30  
Cyclohexane  
Concen: 25.14 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

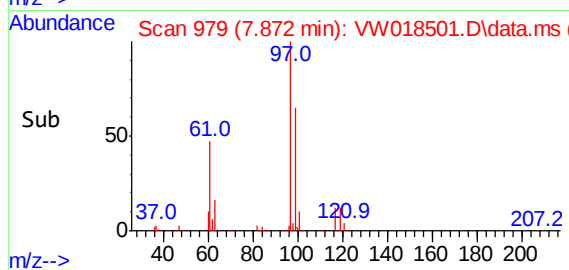
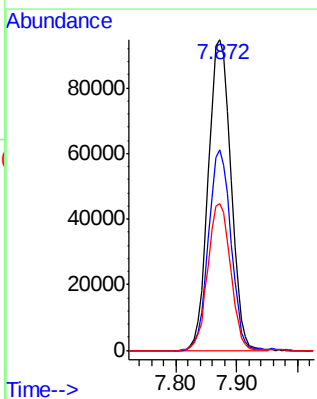
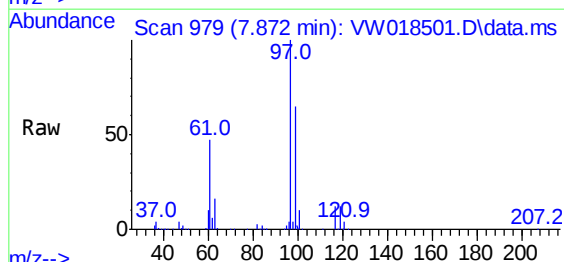
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

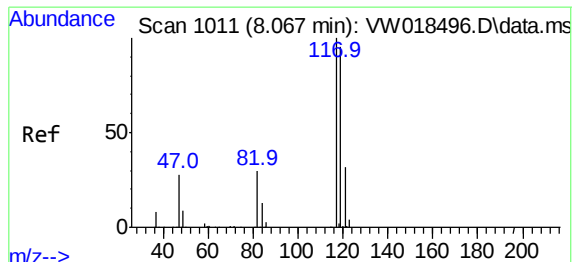
Tgt Ion: 56 Resp: 244724  
Ion Ratio Lower Upper  
56 100  
69 32.5 27.0 40.6  
84 94.4 79.9 119.9



#31  
1,1,1-Trichloroethane  
Concen: 26.32 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 97 Resp: 241154  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.7 77.5  
61 47.5 34.8 52.2

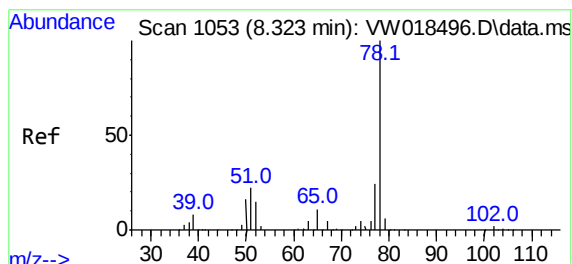
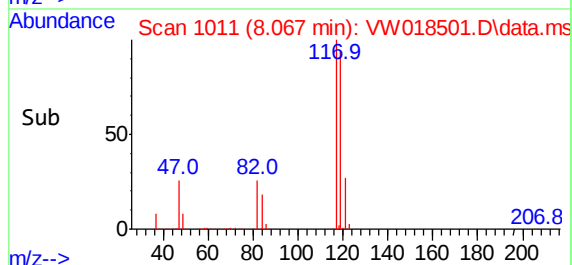
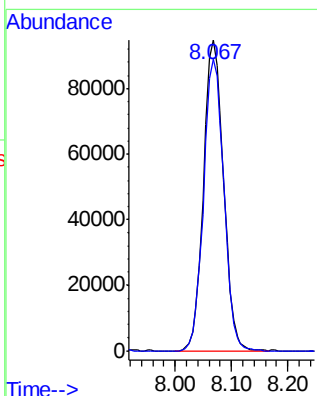
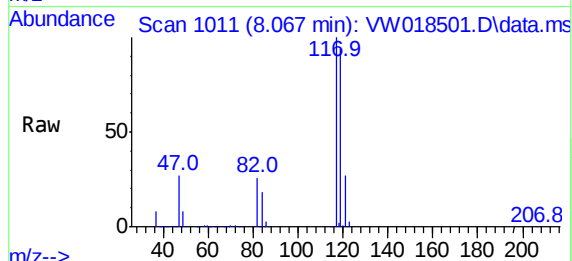




#32  
Carbon tetrachloride  
Concen: 26.94 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

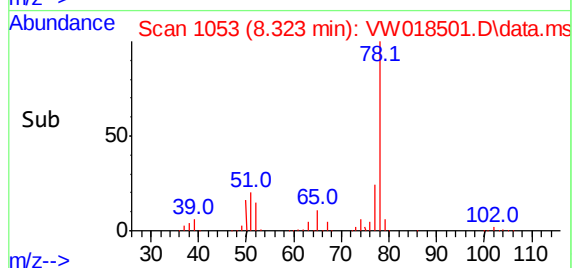
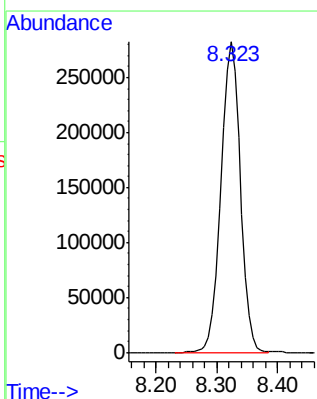
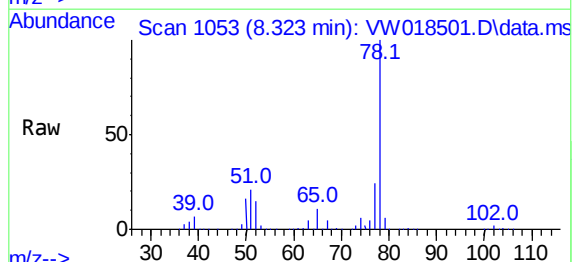
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02521

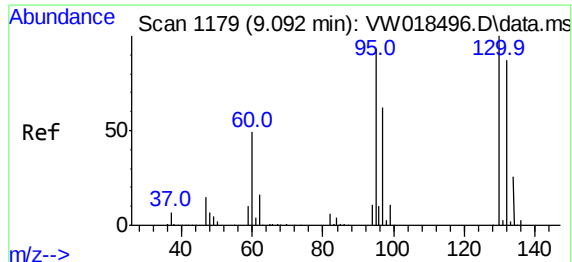
Tgt Ion:117 Resp: 230059  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.7 115.1



#34  
Benzene  
Concen: 26.30 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

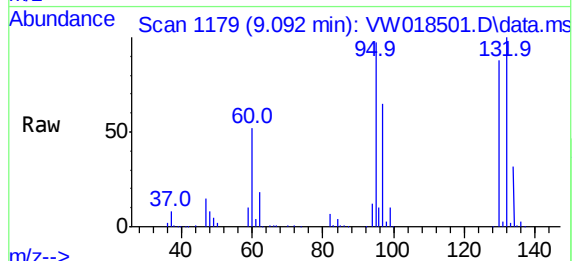
Tgt Ion: 78 Resp: 624396





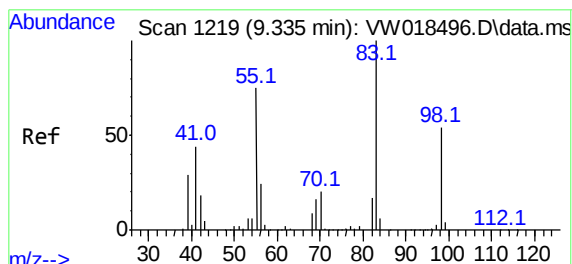
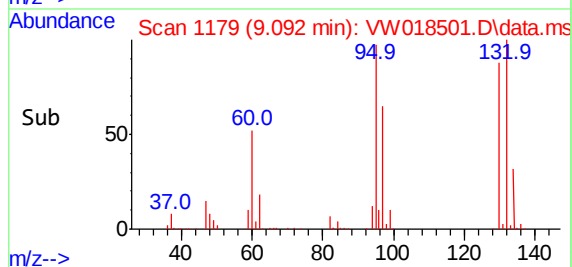
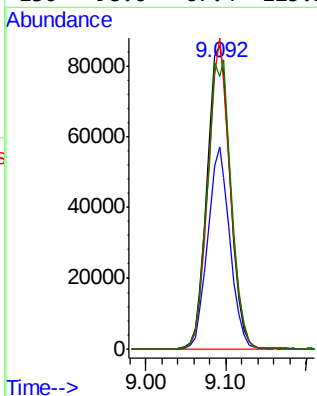
#35  
Trichloroethene  
Concen: 26.29 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521



Tgt Ion: 95 Resp: 172445

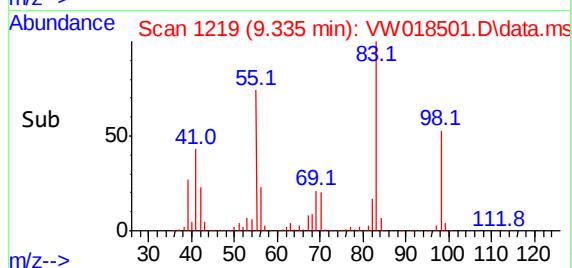
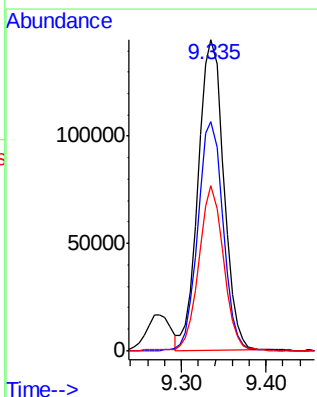
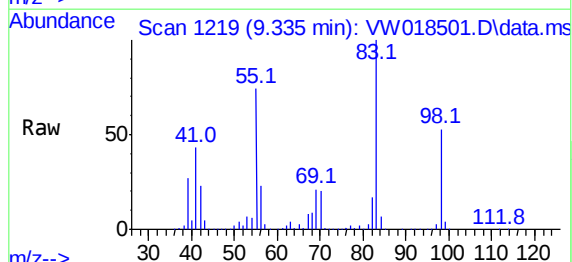
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.4  | 44.4  | 82.4  |
| 132 | 96.5  | 65.9  | 122.5 |
| 130 | 98.0  | 67.4  | 125.2 |

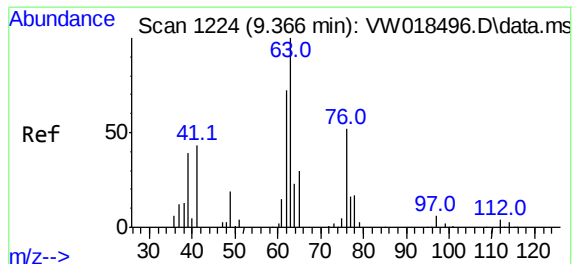


#36  
Methylcyclohexane  
Concen: 25.65 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 83 Resp: 294585

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 72.5  | 56.8  | 85.2  |
| 98  | 50.9  | 40.6  | 61.0  |

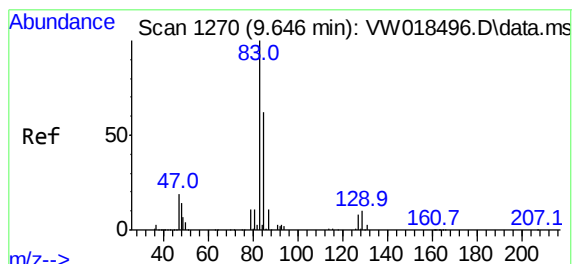
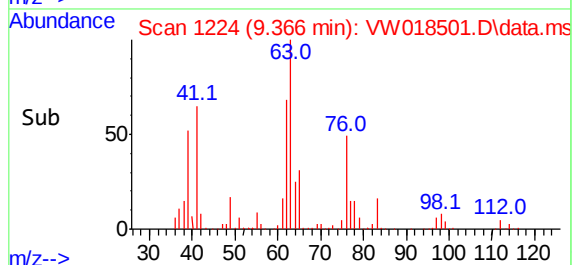
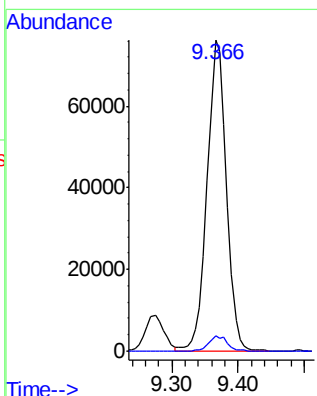
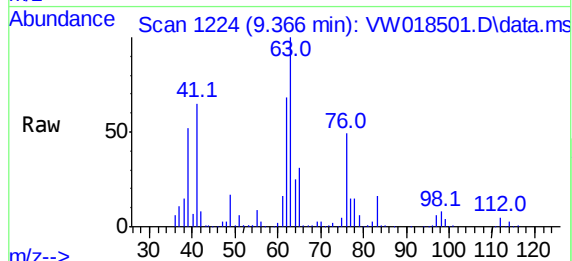




#40  
1,2-Dichloropropane  
Concen: 26.40 ug/L  
RT: 9.366 min Scan# 1224  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

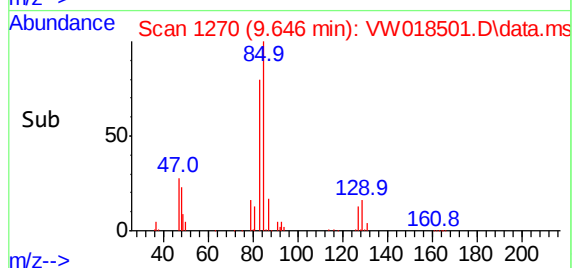
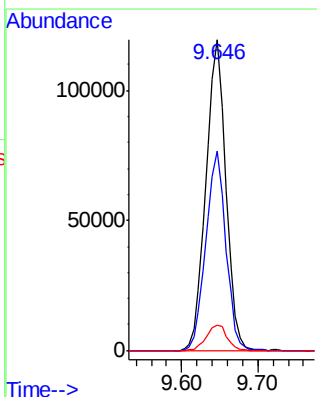
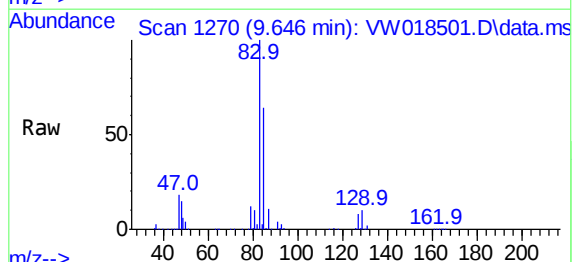
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

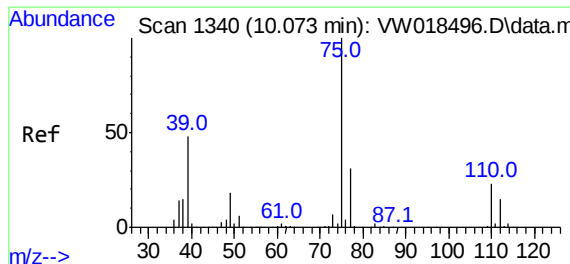
Tgt Ion: 63 Resp: 153354  
Ion Ratio Lower Upper  
63 100  
112 4.6 4.2 6.4



#41  
Bromodichloromethane  
Concen: 26.41 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 83 Resp: 216815  
Ion Ratio Lower Upper  
83 100  
85 64.1 43.8 81.4  
127 8.1 6.9 10.3

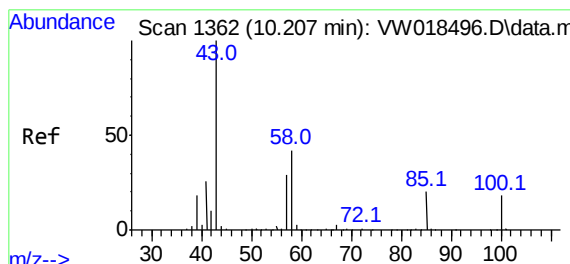
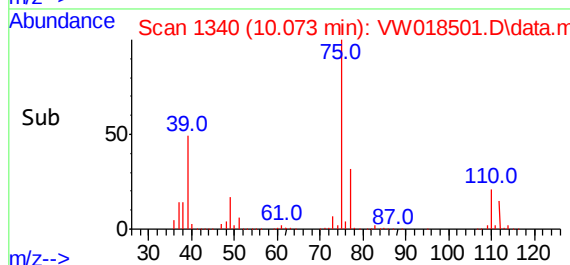
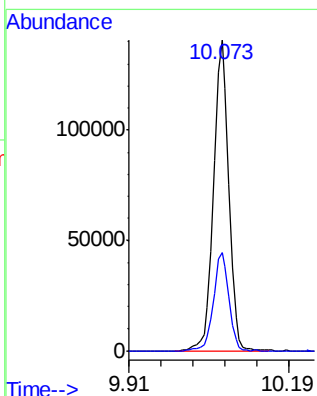
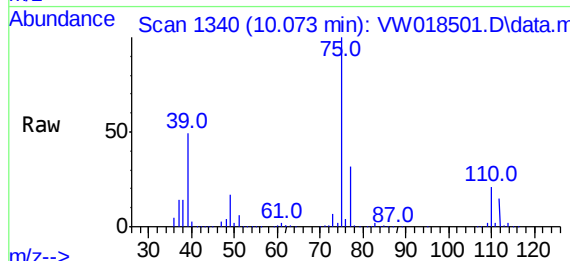




#42  
cis-1,3-Dichloropropene  
Concen: 25.80 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

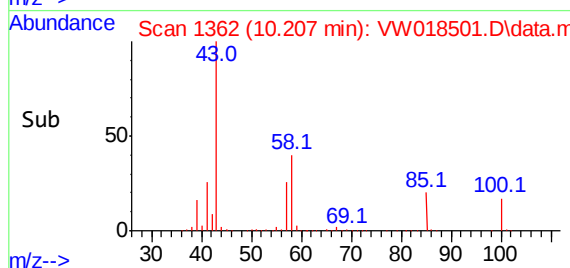
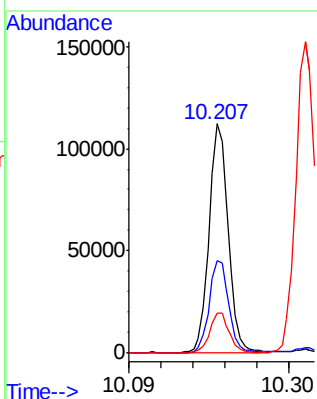
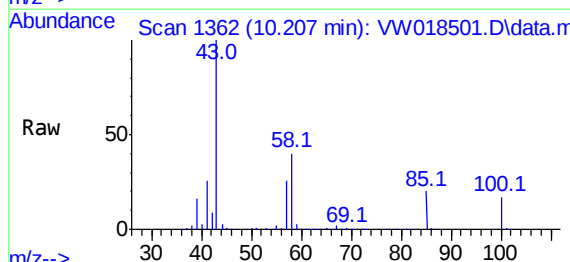
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02521

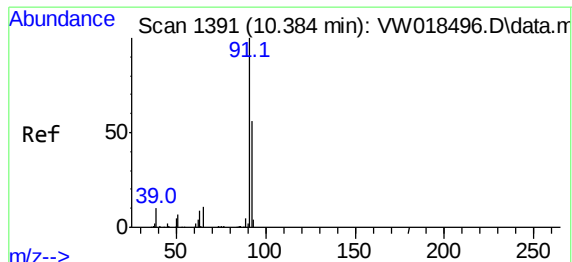
Tgt Ion: 75 Resp: 253377  
Ion Ratio Lower Upper  
75 100  
77 31.7 22.4 41.6



#43  
4-Methyl-2-pentanone  
Concen: 55.90 ug/L  
RT: 10.207 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 43 Resp: 195257  
Ion Ratio Lower Upper  
43 100  
58 40.7 34.8 52.2  
100 17.3 15.9 23.9





#44

Toluene

Concen: 26.67 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW018501.D

Acq: 30 Mar 2021 12:08

Tgt Ion: 91 Resp: 719980

Ion Ratio Lower Upper

91 100

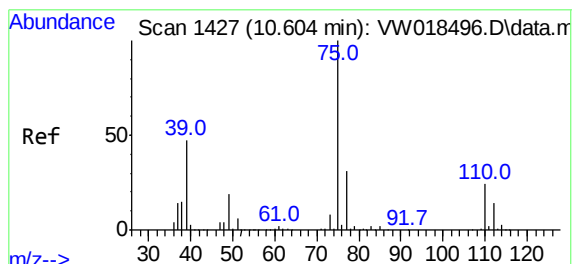
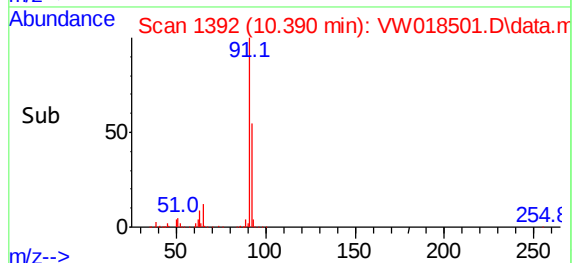
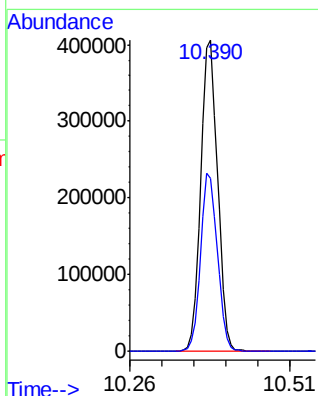
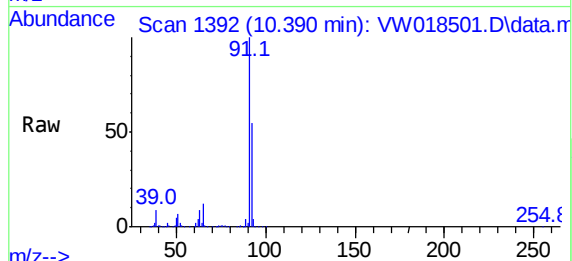
92 55.5 42.3 78.5

Instrument :

MSVOA\_W

ClientSampleId :

VSTD02521



#45

trans-1,3-Dichloropropene

Concen: 26.37 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW018501.D

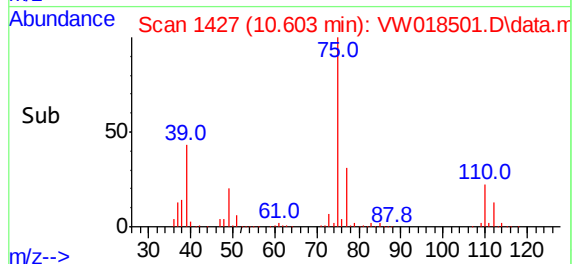
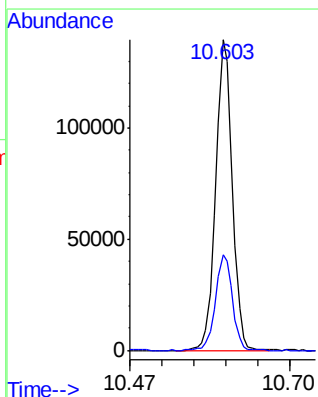
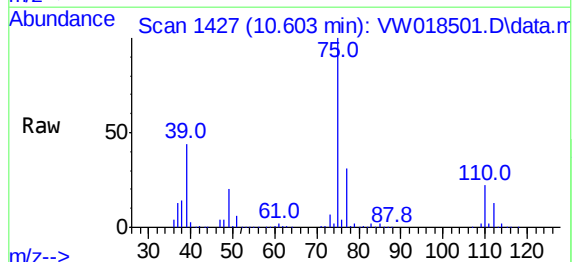
Acq: 30 Mar 2021 12:08

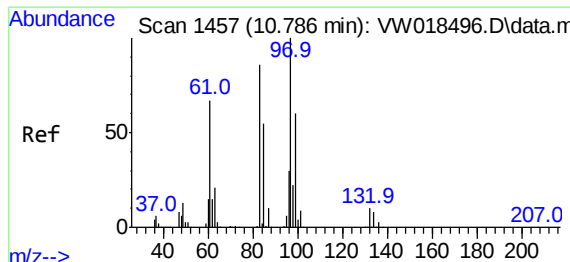
Tgt Ion: 75 Resp: 232582

Ion Ratio Lower Upper

75 100

77 30.7 22.6 42.0



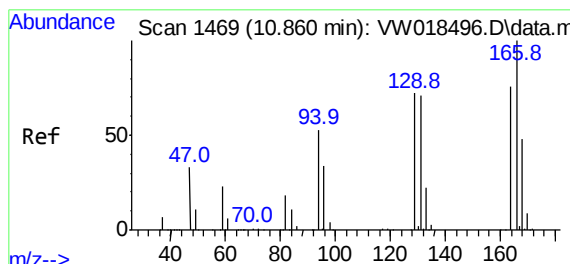
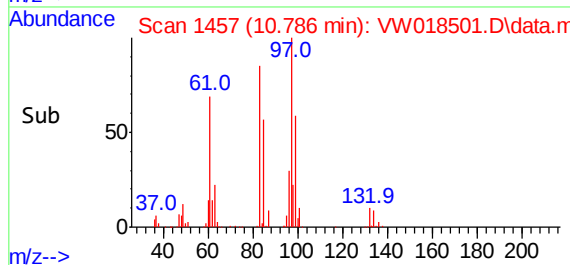
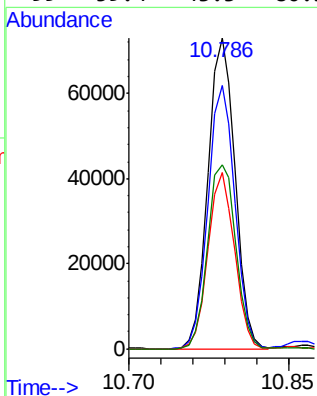
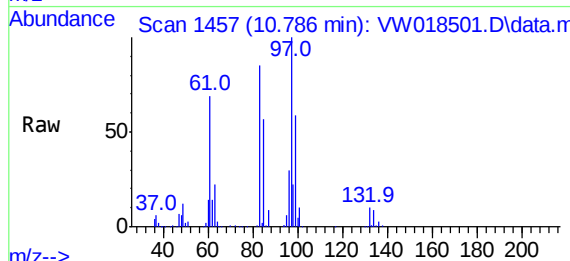


#46  
1,1,2-Trichloroethane  
Concen: 27.19 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

Tgt Ion: 97 Resp: 125910

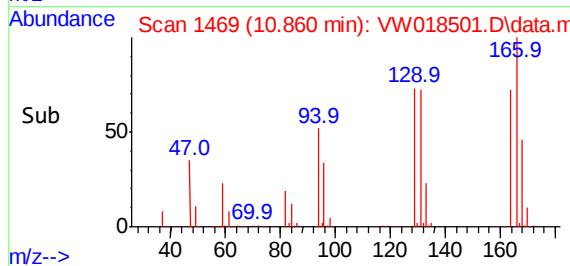
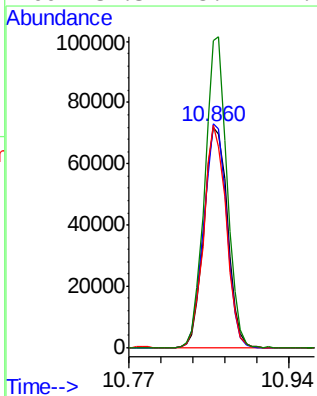
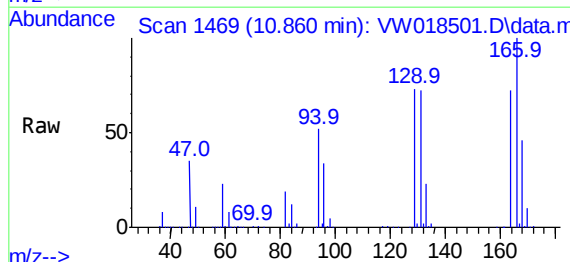
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.8  | 58.9  | 109.5 |
| 85  | 56.6  | 38.4  | 71.4  |
| 99  | 59.4  | 43.3  | 80.3  |

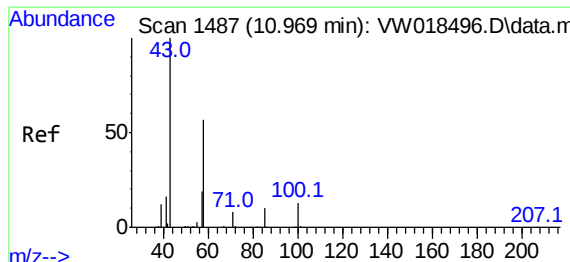


#47  
Tetrachloroethene  
Concen: 26.42 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 164 Resp: 131580

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 101.5 | 68.8  | 127.8 |
| 131 | 100.8 | 68.3  | 126.8 |
| 166 | 139.3 | 95.4  | 177.2 |



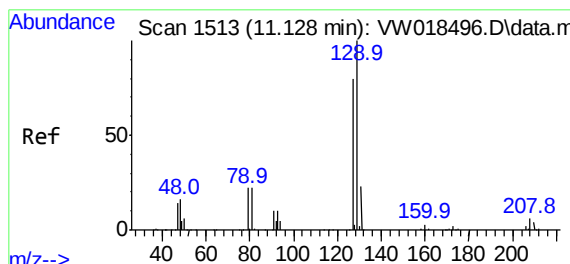
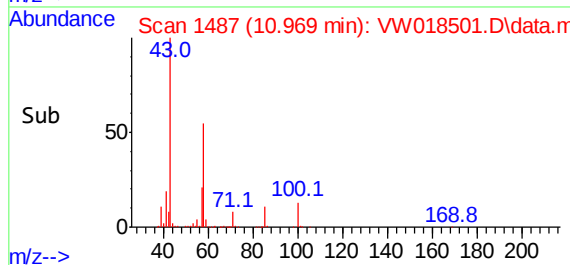
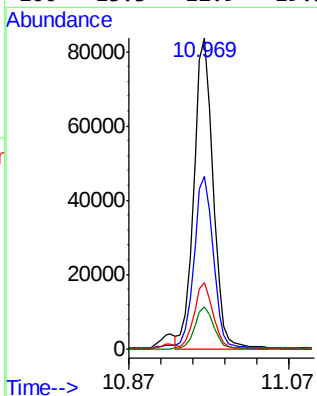
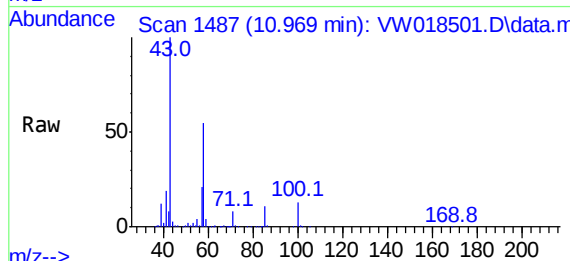


#49  
2-Hexanone  
Concen: 56.46 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

Tgt Ion: 43 Resp: 139548

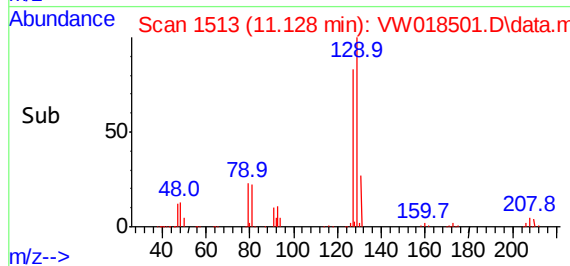
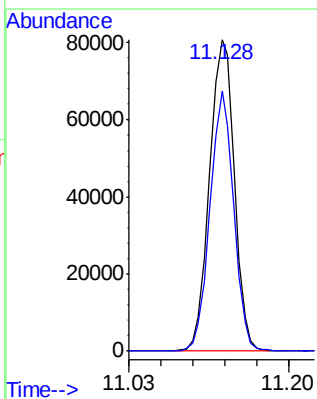
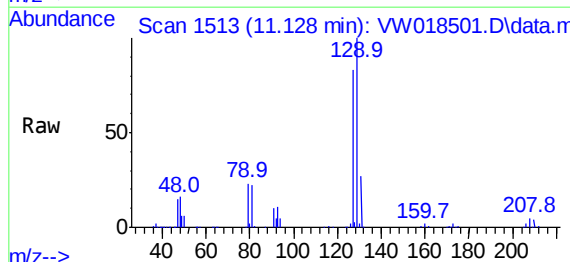
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 55.1  | 47.3  | 70.9  |
| 57  | 21.0  | 17.3  | 25.9  |
| 100 | 13.3  | 12.9  | 19.3  |

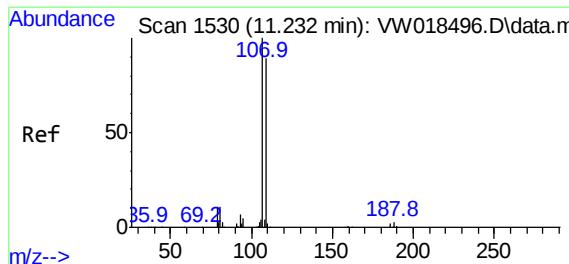


#50  
Dibromochloromethane  
Concen: 26.33 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 129 Resp: 143791

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 83.5  | 58.0  | 107.6 |

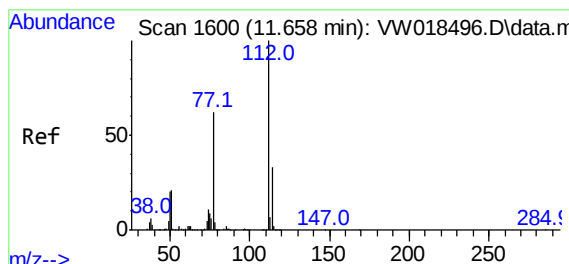
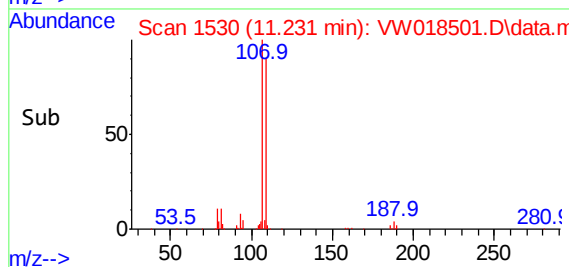
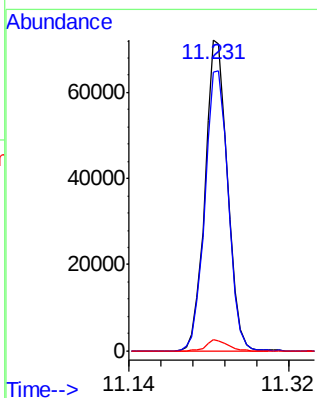
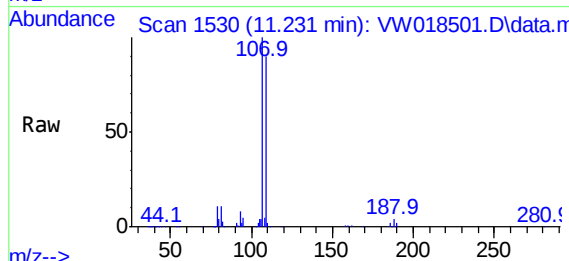




#51  
1,2-Dibromoethane  
Concen: 27.42 ug/L  
RT: 11.231 min Scan# 1530  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

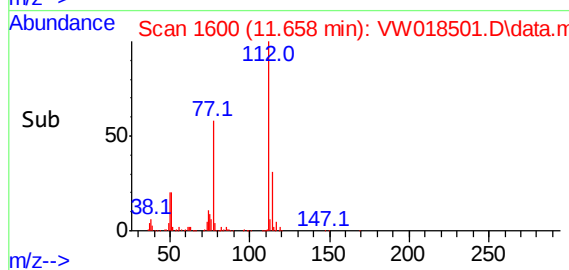
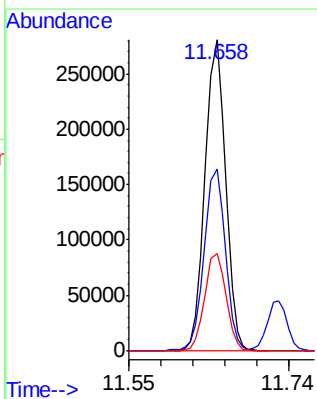
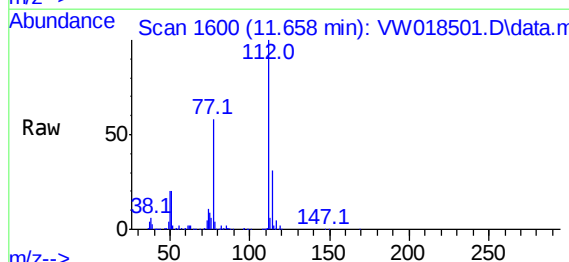
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

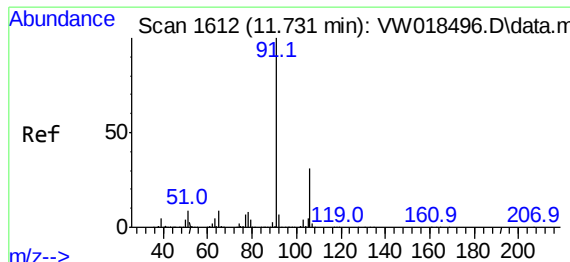
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 125746 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 89.8  | 65.9  | 122.5  |
| 188      | 3.6   | 3.0   | 4.4    |



#52  
Chlorobenzene  
Concen: 26.71 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 457144 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 77       | 58.3  | 45.4  | 68.2   |
| 114      | 31.2  | 22.5  | 41.9   |

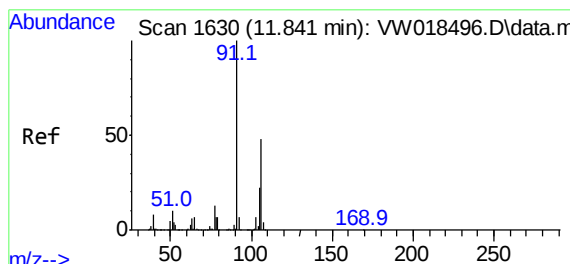
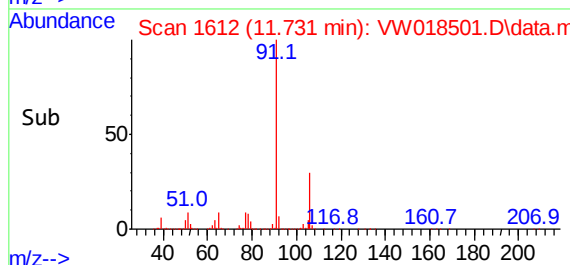
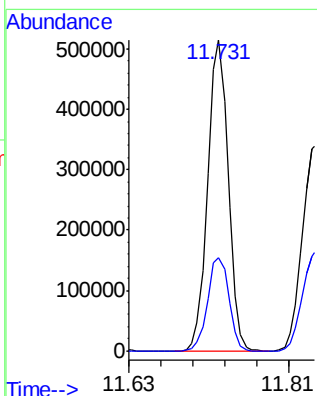
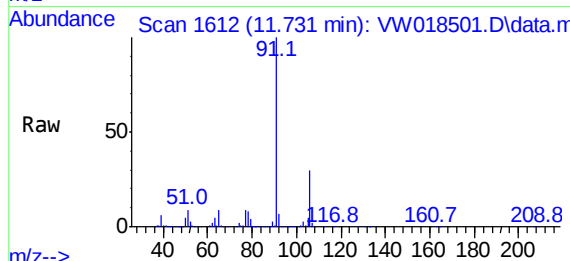




#53  
Ethylbenzene  
Concen: 26.99 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

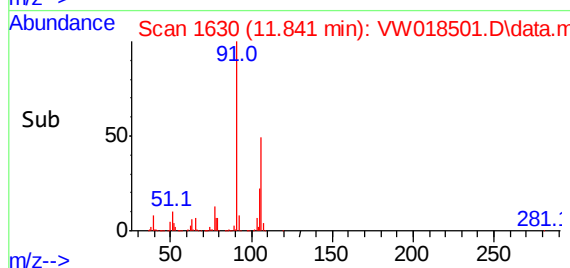
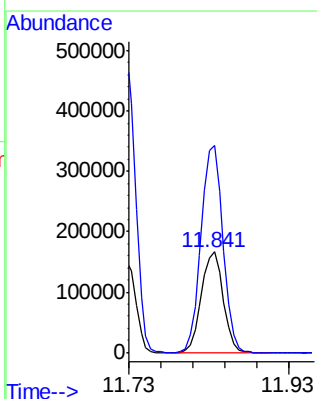
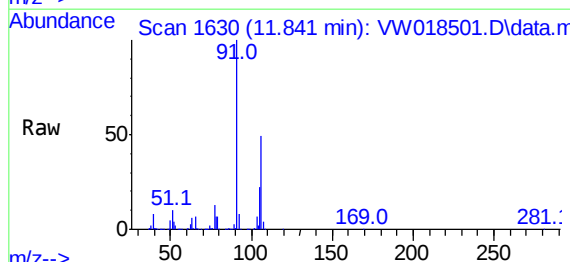
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

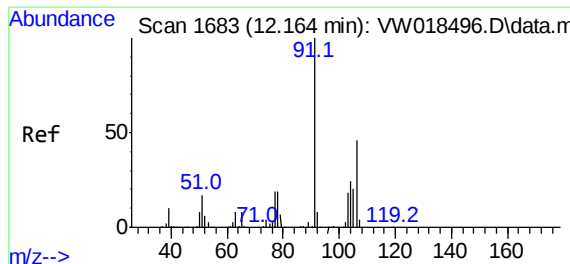
Tgt Ion: 91 Resp: 821304  
Ion Ratio Lower Upper  
91 100  
106 29.8 21.7 40.3



#54  
m,p-Xylene  
Concen: 27.02 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 106 Resp: 314269  
Ion Ratio Lower Upper  
106 100  
91 206.1 145.3 269.8

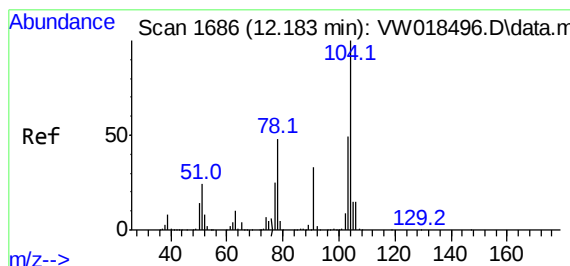
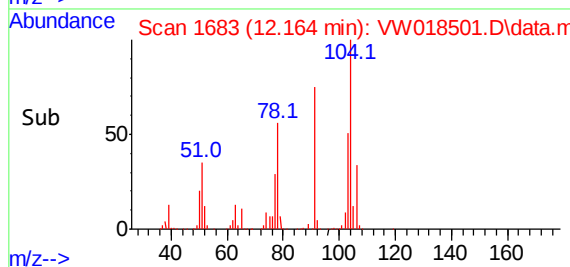
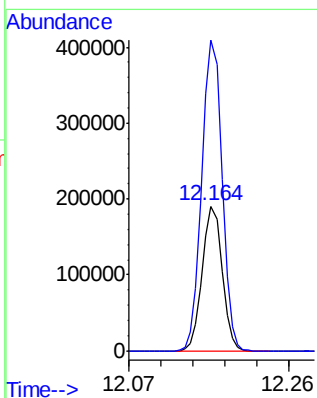
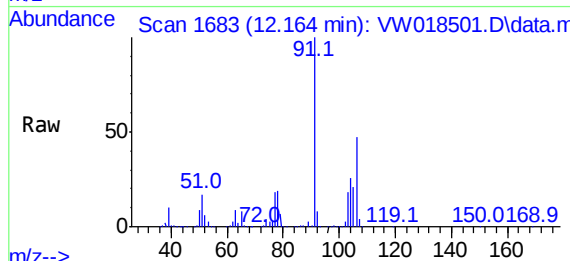




#55  
o-xylene  
Concen: 27.08 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

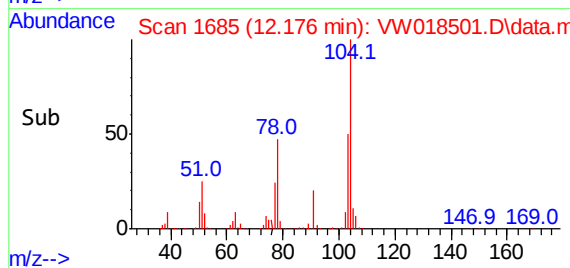
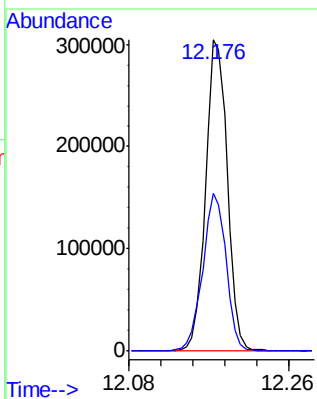
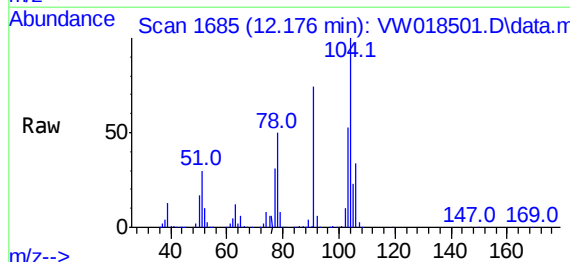
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02521

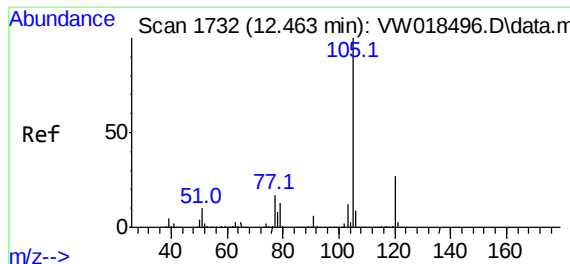
Tgt Ion:106 Resp: 300286  
Ion Ratio Lower Upper  
106 100  
91 214.5 154.3 286.5



#56  
Styrene  
Concen: 27.00 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion:104 Resp: 510448  
Ion Ratio Lower Upper  
104 100  
78 50.5 34.7 64.5

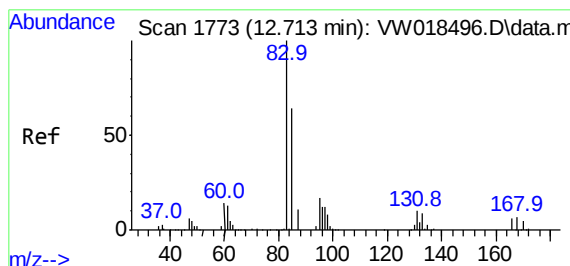
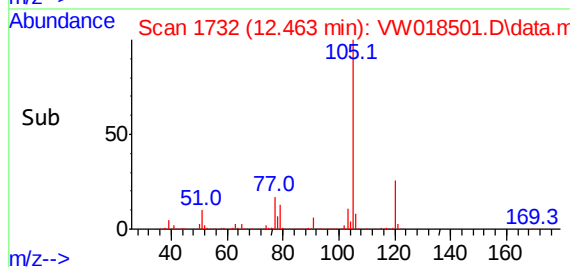
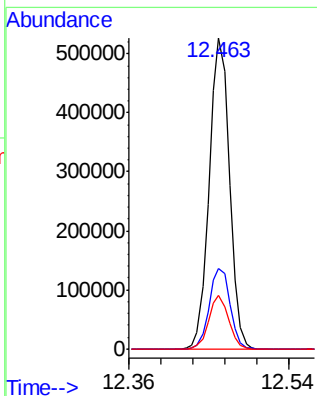
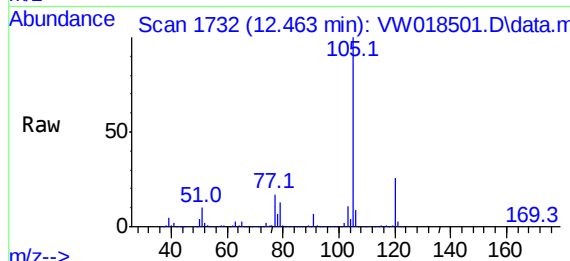




#57  
Isopropylbenzene  
Concen: 27.42 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

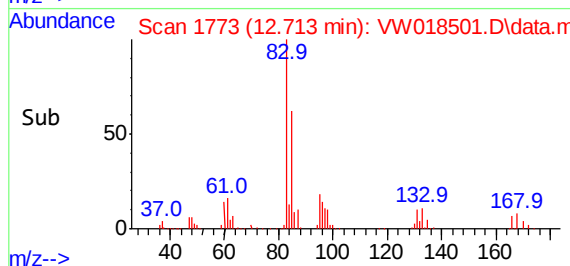
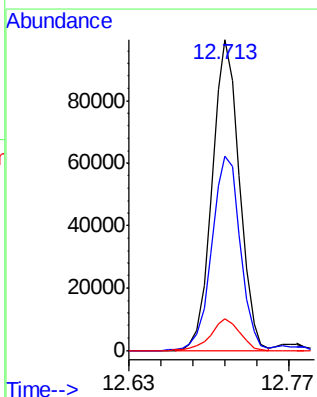
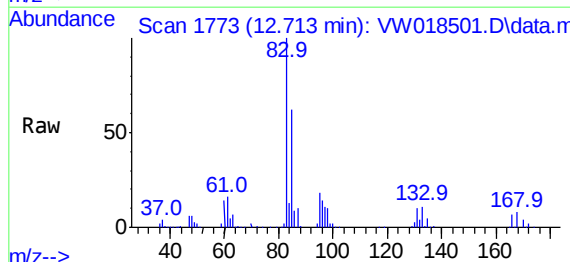
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02521

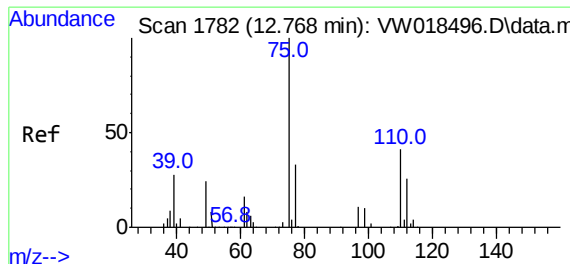
Tgt Ion:105 Resp: 826906  
Ion Ratio Lower Upper  
105 100  
120 26.4 20.9 31.3  
77 16.6 13.2 19.8



#58  
1,1,2,2-Tetrachloroethane  
Concen: 28.75 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 83 Resp: 161178  
Ion Ratio Lower Upper  
83 100  
85 62.3 49.0 91.0  
131 10.1 8.7 13.1

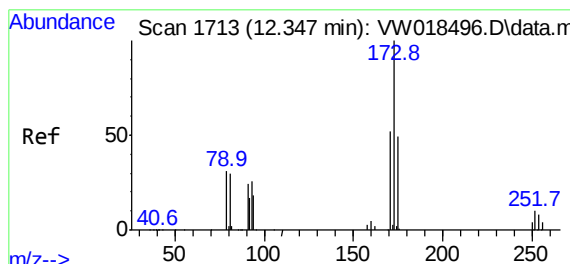
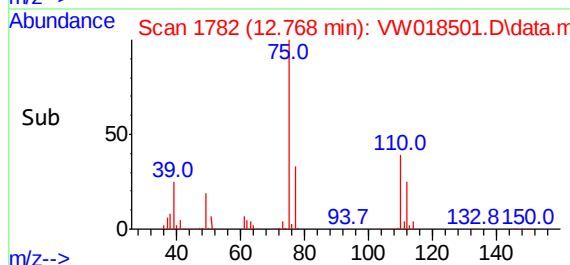
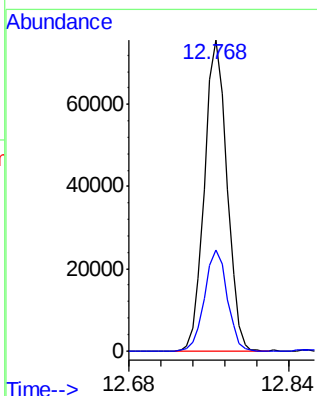
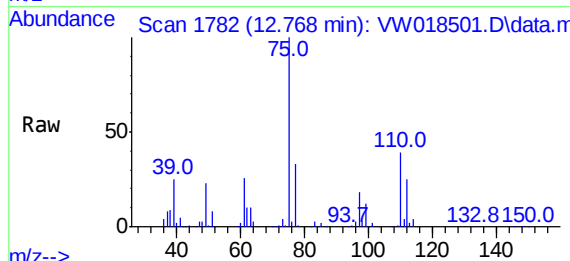




#59  
1,2,3-Trichloropropane  
Concen: 28.90 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

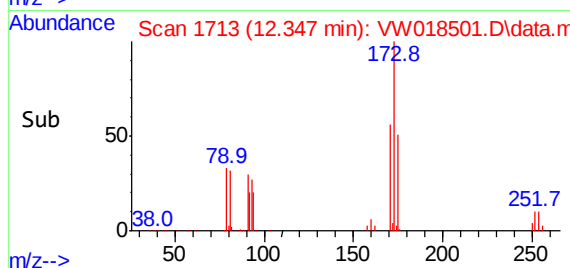
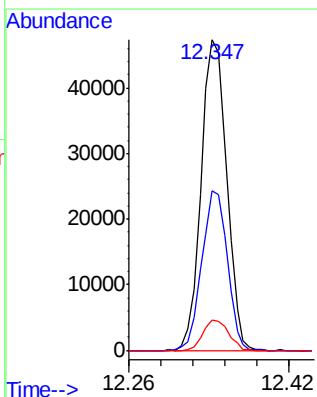
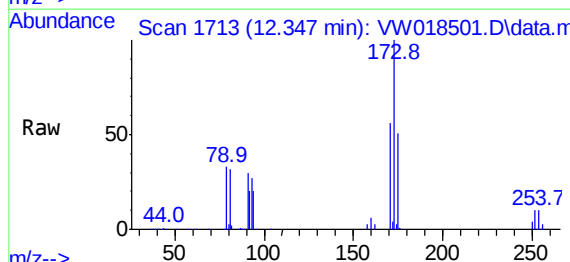
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

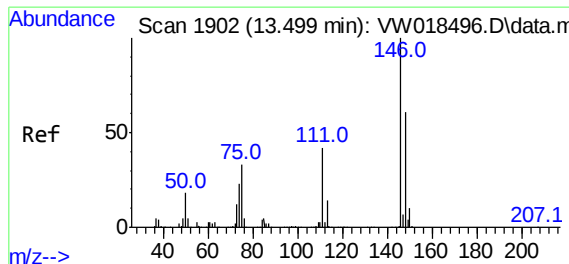
Tgt Ion: 75 Resp: 122322  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.6 38.4



#62  
Bromoform  
Concen: 25.56 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 173 Resp: 82661  
Ion Ratio Lower Upper  
173 100  
175 51.2 38.2 57.2  
254 9.8 6.0 9.0#

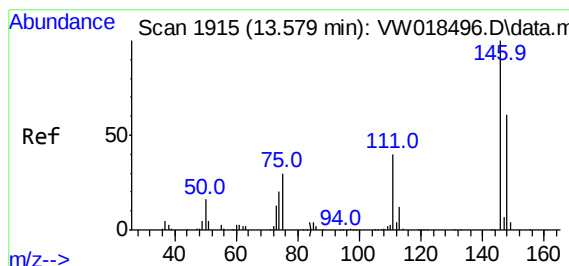
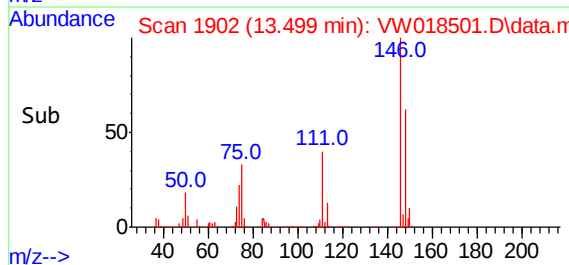
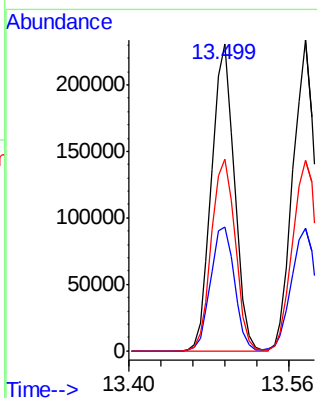
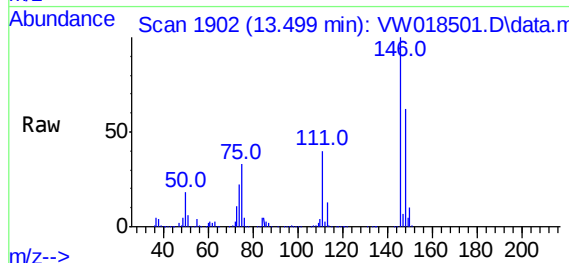




#63  
1,3-Dichlorobenzene  
Concen: 26.51 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

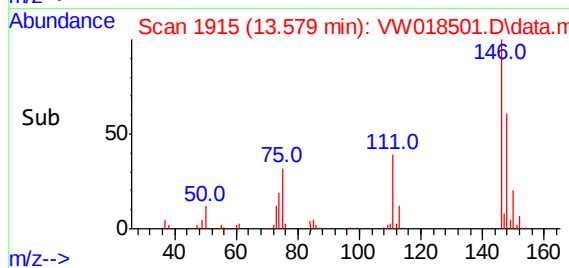
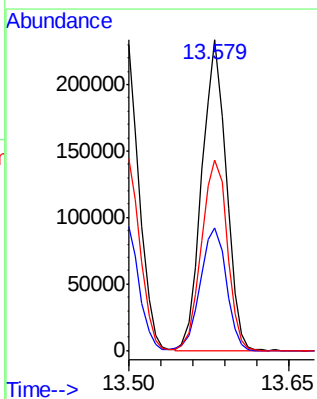
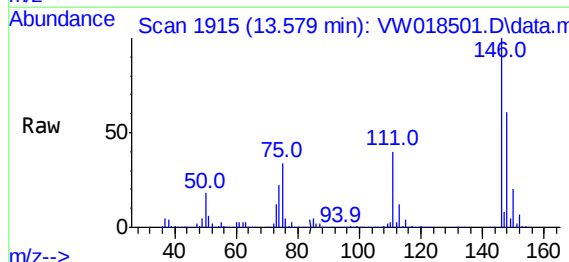
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD02521

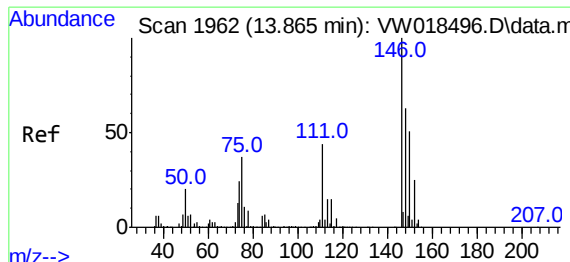
Tgt Ion:146 Resp: 357791  
Ion Ratio Lower Upper  
146 100  
111 40.3 27.5 51.1  
148 62.5 43.0 80.0



#64  
1,4-Dichlorobenzene  
Concen: 26.51 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion:146 Resp: 361083  
Ion Ratio Lower Upper  
146 100  
111 39.5 28.3 52.5  
148 61.3 47.3 87.9

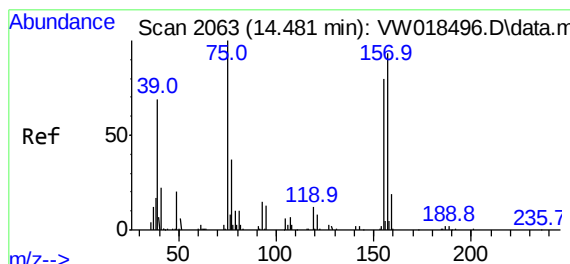
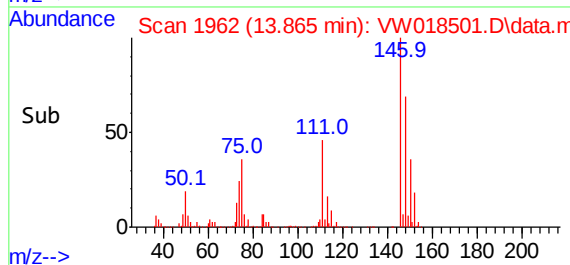
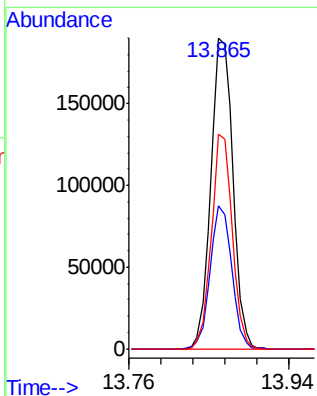
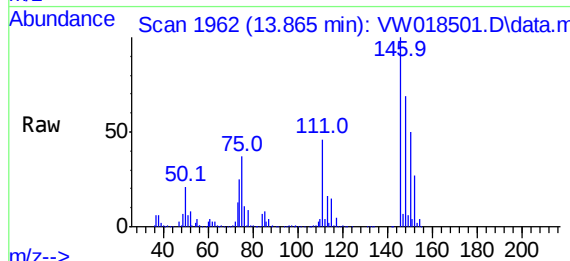




#65  
1,2-Dichlorobenzene  
Concen: 26.96 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

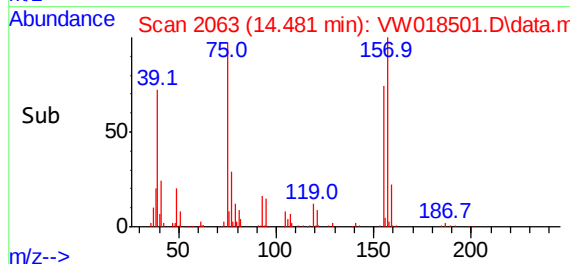
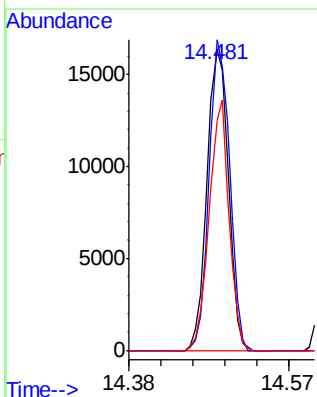
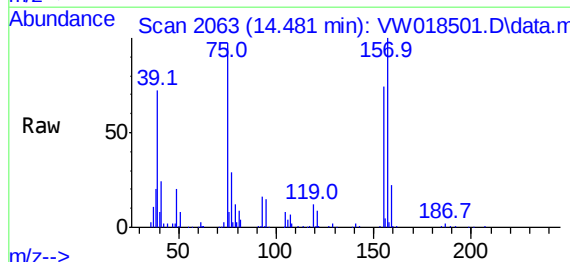
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

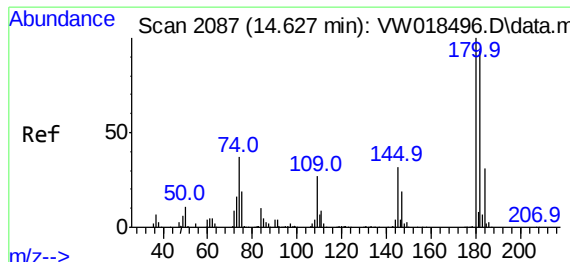
Tgt Ion:146 Resp: 325204  
Ion Ratio Lower Upper  
146 100  
111 46.0 36.0 54.0  
148 69.2 50.2 75.4



#66  
1,2-Dibromo-3-chloropropane  
Concen: 25.36 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion: 75 Resp: 27643  
Ion Ratio Lower Upper  
75 100  
157 103.2 65.2 97.8#  
155 76.3 60.1 90.1

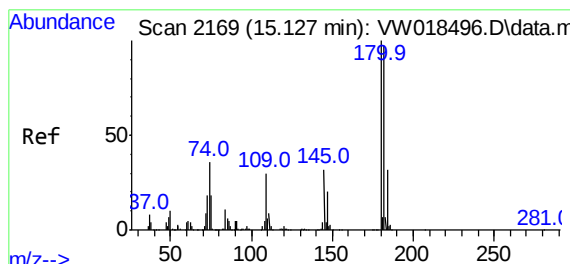
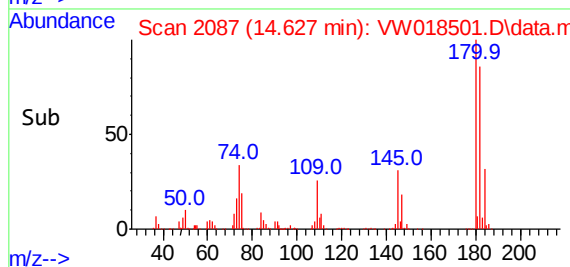
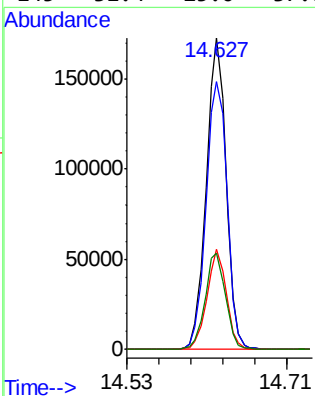
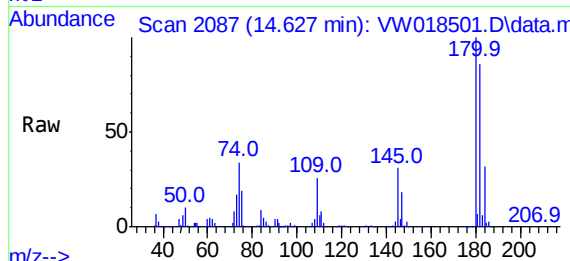




#67  
1,3,5-Trichlorobenzene  
Concen: 27.17 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

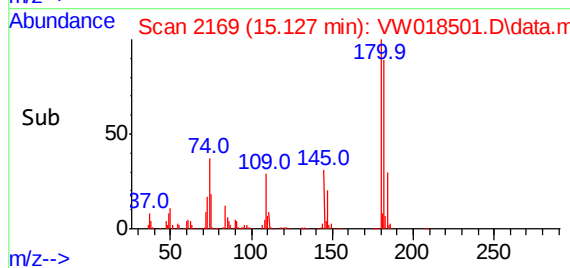
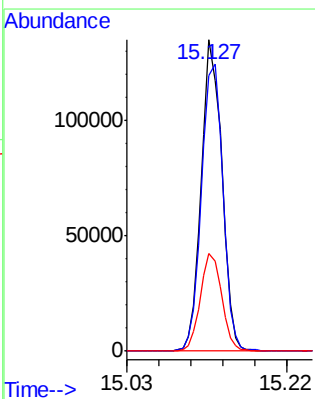
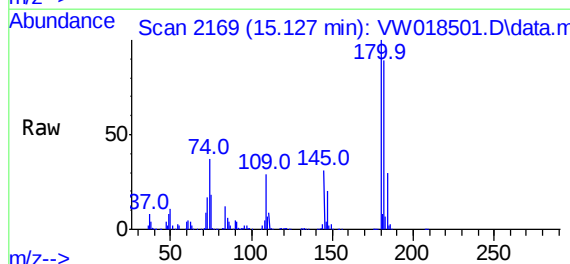
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

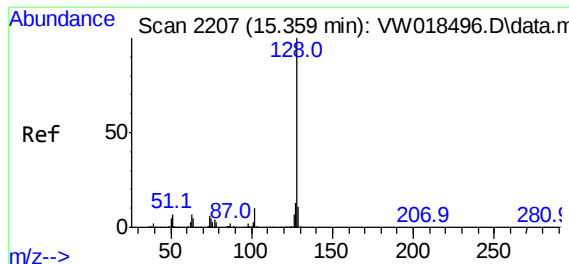
Tgt Ion:180 Resp: 264480  
Ion Ratio Lower Upper  
180 100  
182 91.5 71.8 107.8  
184 31.0 23.5 35.3  
145 31.4 25.0 37.6



#68  
1,2,4-trichlorobenzene  
Concen: 26.32 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion:180 Resp: 217982  
Ion Ratio Lower Upper  
180 100  
182 96.5 70.2 105.4  
145 32.3 24.9 37.3

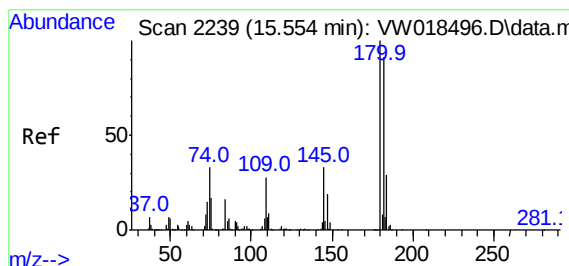
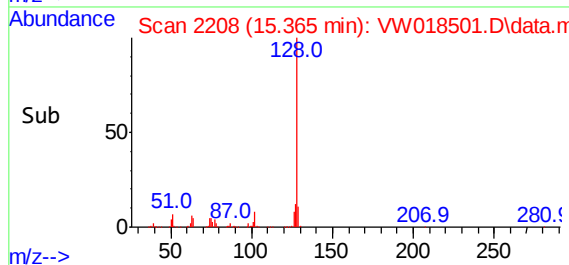
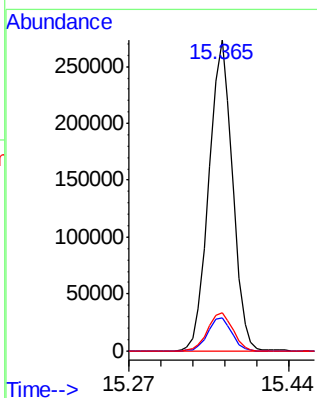
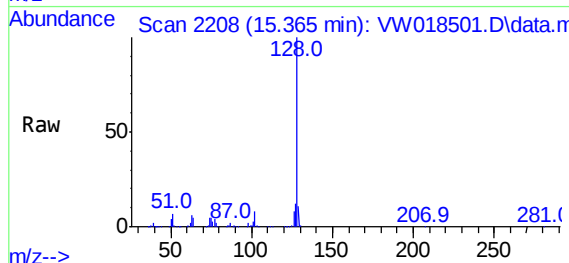




#69  
Naphthalene  
Concen: 26.89 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.006 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02521

Tgt Ion:128 Resp: 463753  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.1 13.7  
127 12.9 10.7 16.1



#70  
1,2,3-Trichlorobenzene  
Concen: 26.34 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: VW018501.D  
Acq: 30 Mar 2021 12:08

Tgt Ion:180 Resp: 190385  
Ion Ratio Lower Upper  
180 100  
182 96.7 76.5 114.7  
145 33.2 27.7 41.5

