

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061621\  
 Data File : VW019233.D  
 Acq On : 16 Jun 2021 16:04  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 17 01:27:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 17 01:25:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 511667   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 471321   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 242016   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 135949   | 20.093   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.360%  |
| 7) Chloroethane-d5            | 2.897  | 69    | 127551   | 22.134   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.031  | 63    | 307959   | 22.909   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 91.640%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 81153    | 45.790   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 91.580%  |
| 24) Chloroform-d              | 7.653  | 84    | 348778   | 25.354   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.400% |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 180645   | 23.411   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.640%  |
| 32) Benzene-d6                | 8.274  | 84    | 652572   | 24.302   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.200%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 205193   | 25.206   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 100.840% |
| 41) Toluene-d8                | 10.323 | 98    | 582299   | 23.612   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.440%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 80600    | 22.860   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.440%  |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 66851    | 48.426   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 167427   | 24.932   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 99.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 198816   | 23.536   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.013  | 85    | 146296   | 22.070   | ug/L   | 95       |
| 3) Chloromethane              | 2.215  | 50    | 141889   | 23.152   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.367  | 62    | 233552   | 24.964   | ug/L   | 99       |
| 6) Bromomethane               | 2.788  | 94    | 154955   | 22.275   | ug/L   | 98       |
| 8) Chloroethane               | 2.934  | 64    | 138186   | 24.845   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 137226   | 26.725   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 184435   | 25.113   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 183603   | 25.306   | ug/L   | 95       |
| 13) Acetone                   | 4.147  | 43    | 74262    | 47.287   | ug/L   | 90       |
| 14) Carbon disulfide          | 4.391  | 76    | 545392   | 23.782   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.678  | 43    | 67041    | 21.224   | ug/L   | 99       |
| 16) Methylene chloride        | 4.921  | 84    | 226223   | 23.828   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96    | 194706   | 24.908   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 230834   | 22.844   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 353002   | 25.442   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 199977   | 24.571   | ug/L   | 99       |
| 22) 2-Butanone                | 7.183  | 43    | 97527    | 46.445   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.519  | 128   | 85425    | 23.859   | ug/L   | 97       |
| 25) Chloroform                | 7.677  | 83    | 354496   | 25.051   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061621\  
 Data File : VW019233.D  
 Acq On : 16 Jun 2021 16:04  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

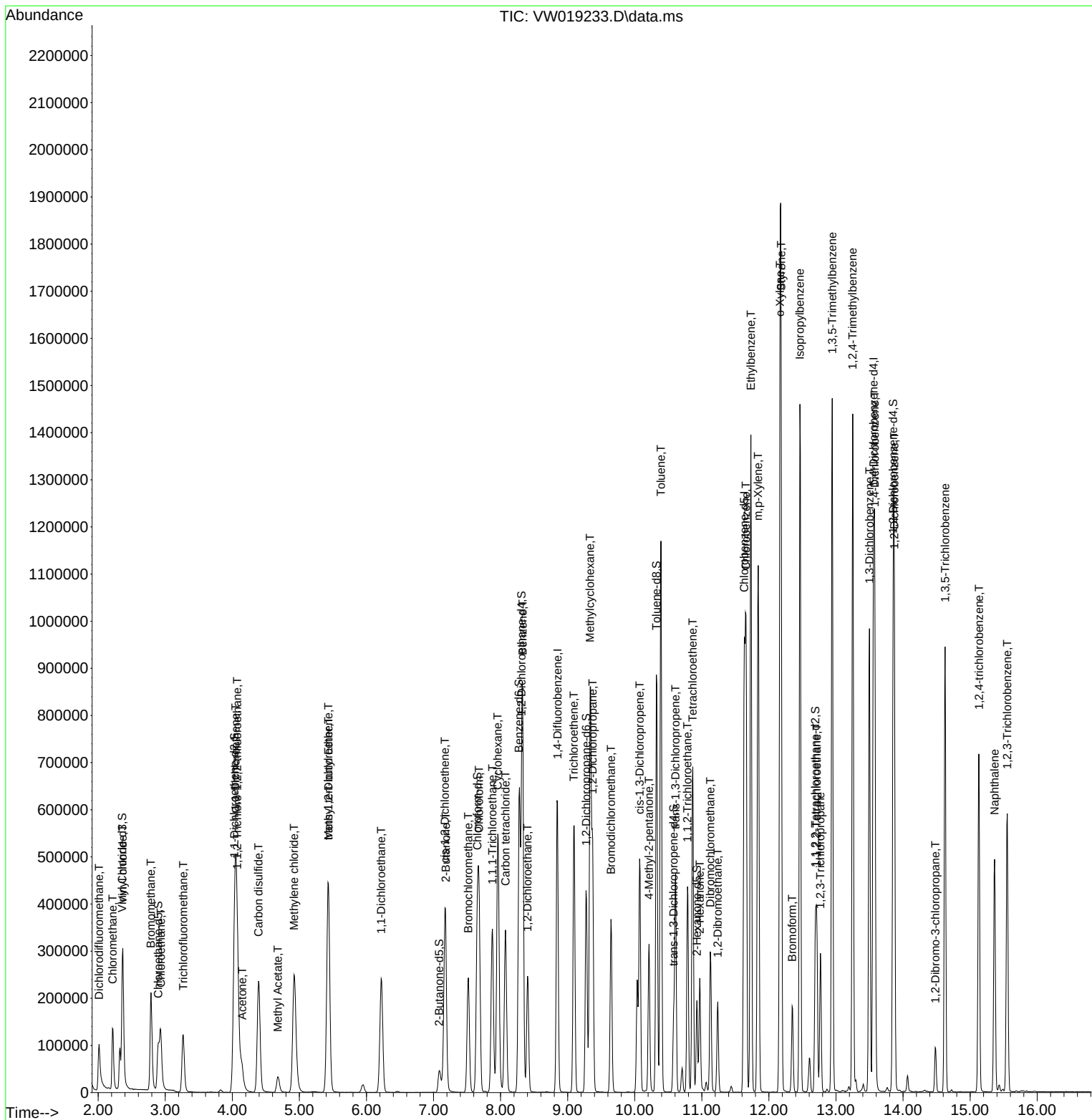
Instrument :  
 MSVOA\_W  
 ClientSampleId :

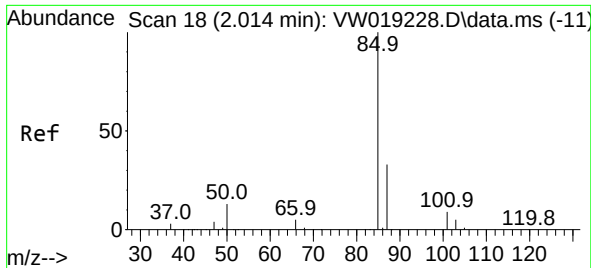
Quant Time: Jun 17 01:27:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 17 01:25:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.402  | 62   | 226072   | 23.592 | ug/L  | 98       |
| 29) Cyclohexane               | 7.957  | 56   | 316234   | 25.785 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 280259   | 25.842 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 255099   | 25.475 | ug/L  | 99       |
| 33) Benzene                   | 8.329  | 78   | 788437   | 25.432 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 202856   | 25.101 | ug/L  | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 359691   | 25.865 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 192668   | 25.300 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 246478   | 24.953 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 289440   | 24.530 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 194864   | 42.967 | ug/L  | 97       |
| 42) Toluene                   | 10.390 | 91   | 860413   | 25.797 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.609 | 75   | 252206   | 24.215 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 136255   | 23.764 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.865 | 164  | 151976   | 24.602 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 140324   | 46.026 | ug/L  | 93       |
| 49) Dibromochloromethane      | 11.128 | 129  | 150730   | 23.718 | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 126386   | 22.752 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 500181   | 24.295 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 945598   | 25.772 | ug/L  | 95       |
| 53) m,p-Xylene                | 11.841 | 106  | 346896   | 25.638 | ug/L  | 91       |
| 54) o-Xylene                  | 12.164 | 106  | 333293   | 25.859 | ug/L  | 97       |
| 55) Styrene                   | 12.182 | 104  | 569358   | 25.687 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 160459   | 22.708 | ug/L  | 99       |
| 59) Bromoform                 | 12.347 | 173  | 80552    | 21.605 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 917659   | 25.326 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 117811   | 21.759 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 753444   | 25.318 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 745809   | 25.106 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 389809   | 24.651 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 385127   | 23.818 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 343321   | 24.123 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 24301    | 20.503 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 271462   | 23.759 | ug/L  | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 215089   | 22.938 | ug/L  | 92       |
| 71) Naphthalene               | 15.365 | 128  | 415450   | 22.221 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 194318   | 23.389 | ug/L  | 97       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Jun 17 01:25:38 2021  
Response via : Initial Calibration

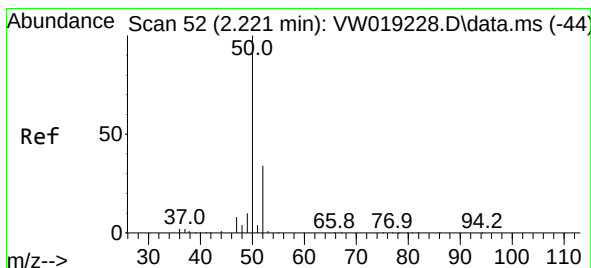
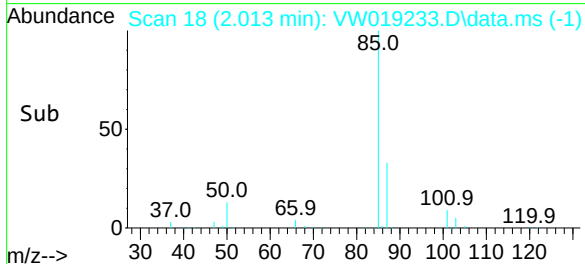
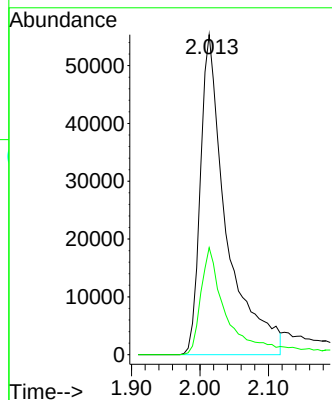
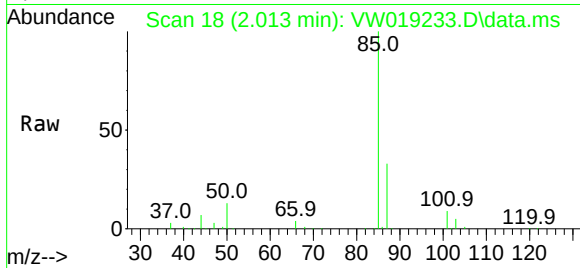




#2  
Dichlorodifluoromethane  
Concen: 22.070 ug/L  
RT: 2.013 min Scan# 18  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

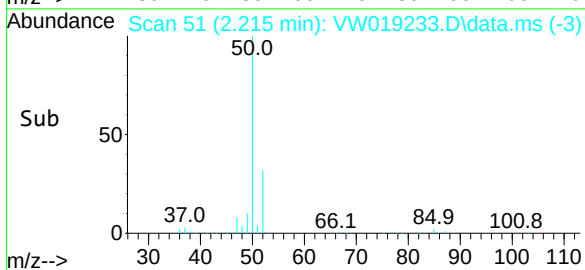
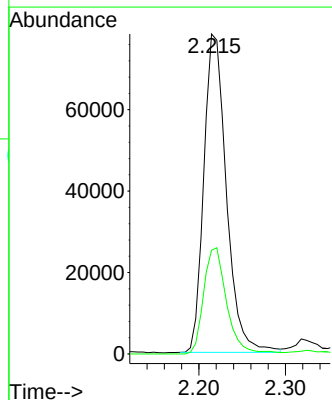
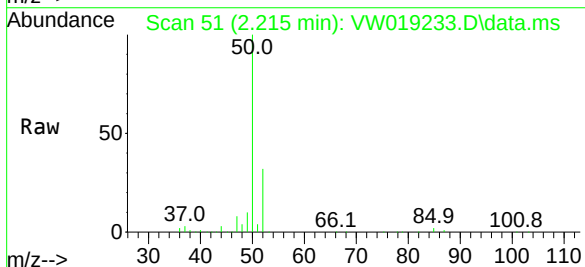
Instrument :  
MSVOA\_W  
ClientSampled :

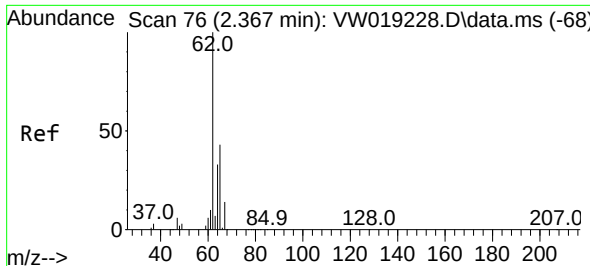
Tgt Ion: 85 Resp: 146296  
Ion Ratio Lower Upper  
85 100  
87 31.8 23.3 34.9



#3  
Chloromethane  
Concen: 23.152 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion: 50 Resp: 141889  
Ion Ratio Lower Upper  
50 100  
52 32.4 22.5 41.9

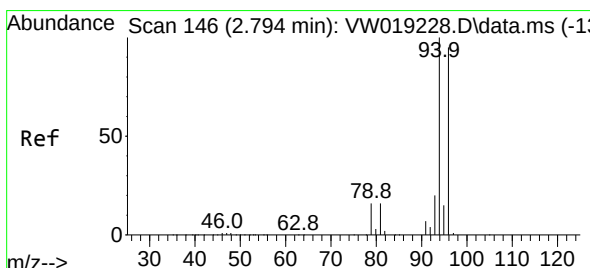
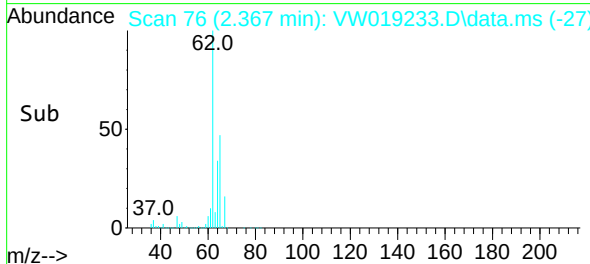
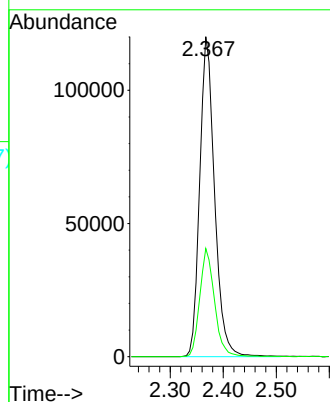
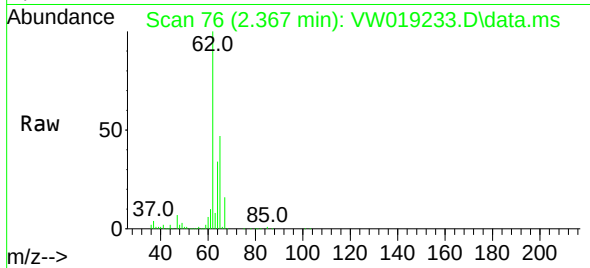




#5  
 Vinyl chloride  
 Concen: 24.964 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VW019233.D  
 Acq: 16 Jun 2021 16:04

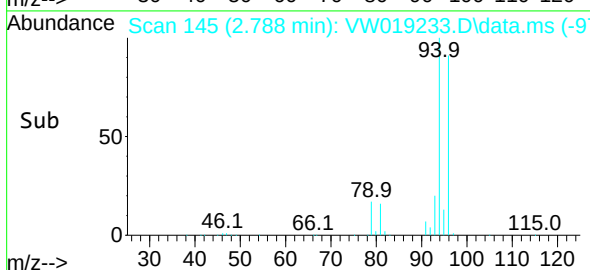
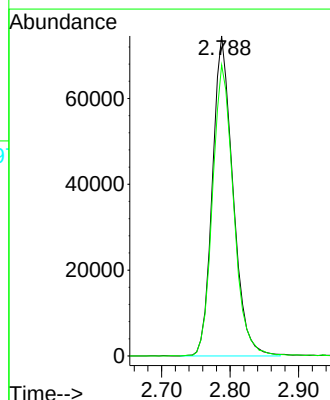
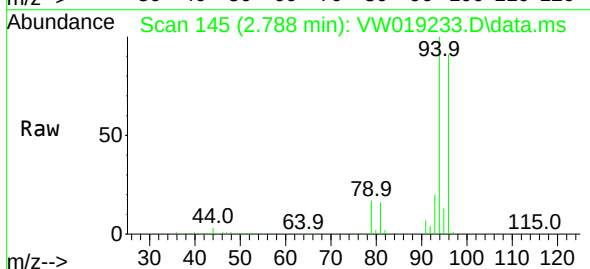
Instrument :  
 MSVOA\_W  
 ClientSampled :

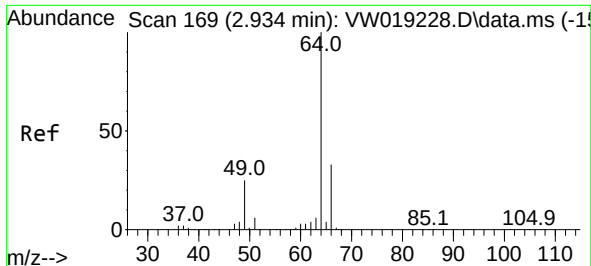
Tgt Ion: 62 Resp: 233552  
 Ion Ratio Lower Upper  
 62 100  
 64 33.8 24.2 45.0



#6  
 Bromomethane  
 Concen: 22.275 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. -0.006 min  
 Lab File: VW019233.D  
 Acq: 16 Jun 2021 16:04

Tgt Ion: 94 Resp: 154955  
 Ion Ratio Lower Upper  
 94 100  
 96 91.0 65.3 121.3

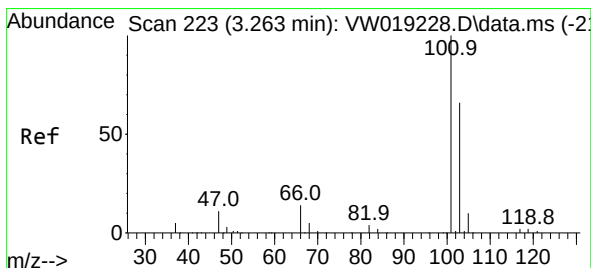
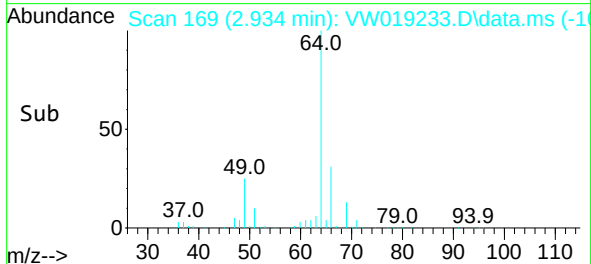
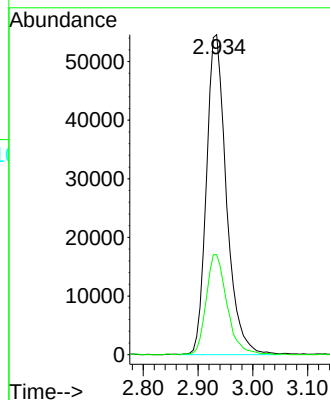
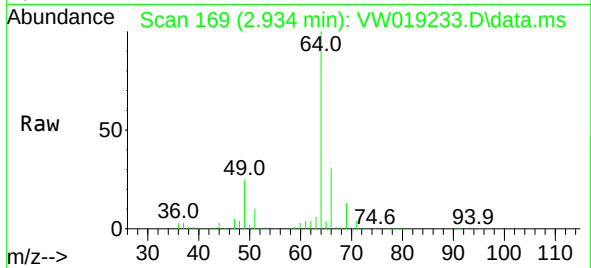




#8  
Chloroethane  
Concen: 24.845 ug/L  
RT: 2.934 min Scan# 169  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

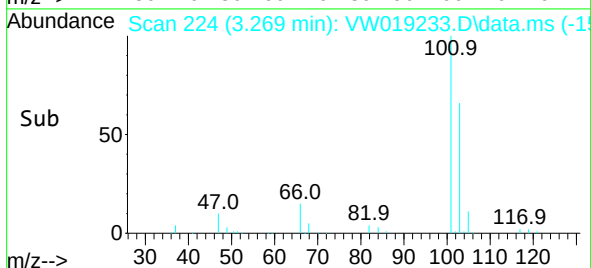
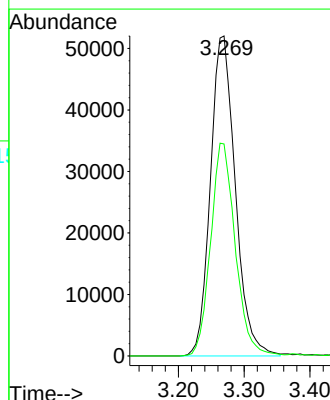
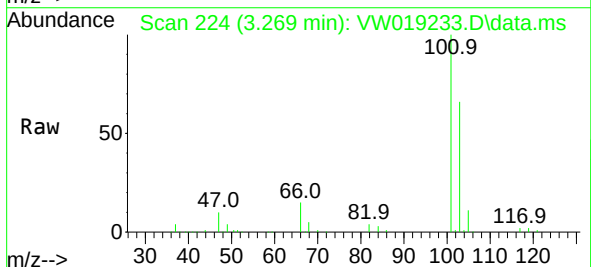
Instrument :  
MSVOA\_W  
ClientSampled :

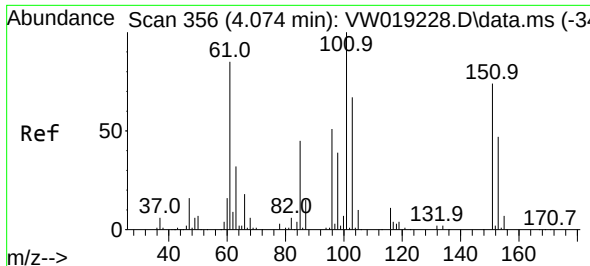
Tgt Ion: 64 Resp: 138186  
Ion Ratio Lower Upper  
64 100  
66 31.3 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 26.725 ug/L  
RT: 3.269 min Scan# 224  
Delta R.T. 0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion:101 Resp: 137226  
Ion Ratio Lower Upper  
101 100  
103 65.7 51.0 76.4

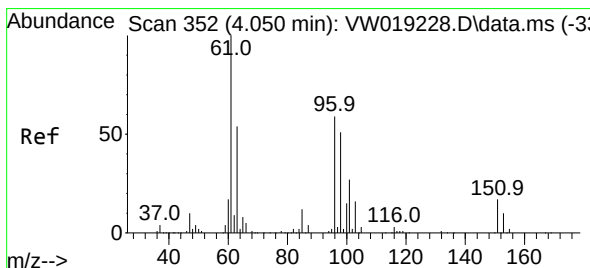
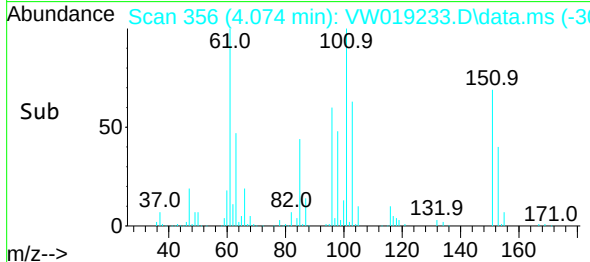
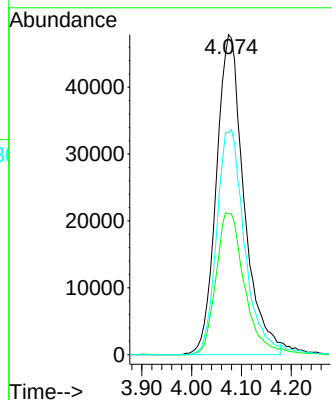
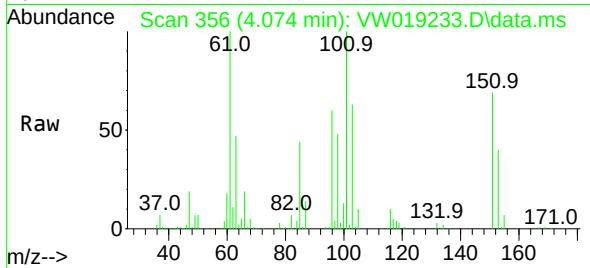




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.113 ug/L  
 RT: 4.074 min Scan# 356  
 Delta R.T. -0.000 min  
 Lab File: VW019233.D  
 Acq: 16 Jun 2021 16:04

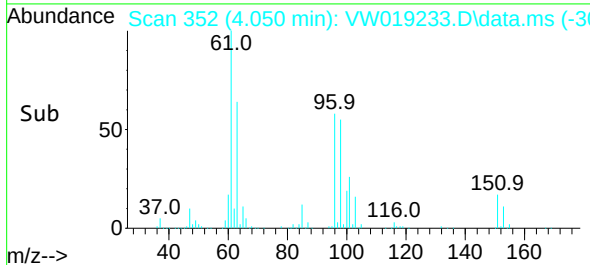
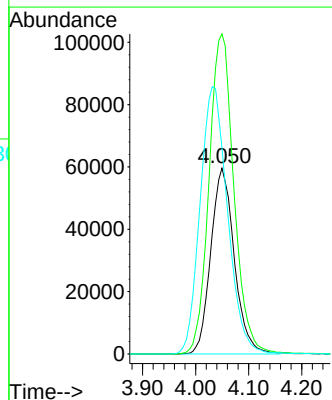
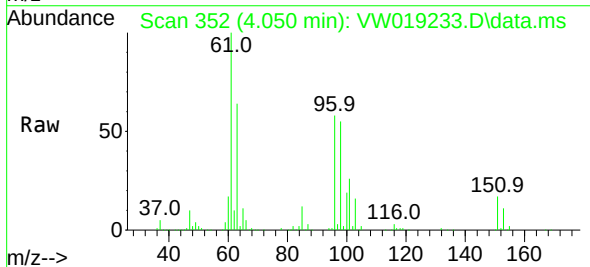
Instrument :  
 MSVOA\_W  
 ClientSampleId :

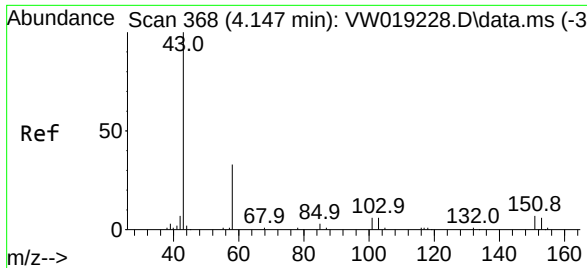
Tgt Ion:101 Resp: 184435  
 Ion Ratio Lower Upper  
 101 100  
 85 45.0 38.2 57.2  
 151 70.2 56.6 85.0



#12  
 1,1-Dichloroethene  
 Concen: 25.306 ug/L  
 RT: 4.050 min Scan# 352  
 Delta R.T. -0.000 min  
 Lab File: VW019233.D  
 Acq: 16 Jun 2021 16:04

Tgt Ion: 96 Resp: 183603  
 Ion Ratio Lower Upper  
 96 100  
 61 172.3 118.1 219.3  
 63 111.0 83.7 155.5

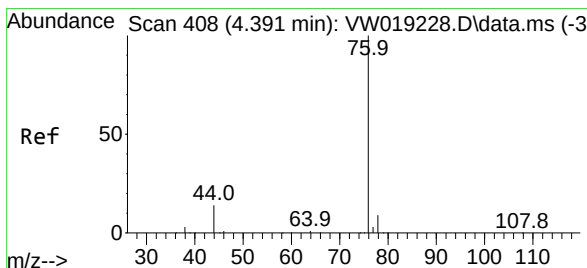
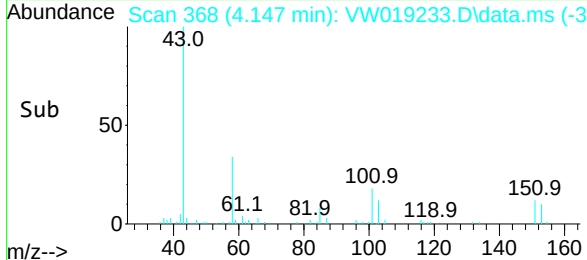
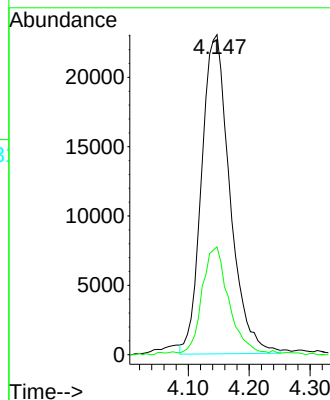
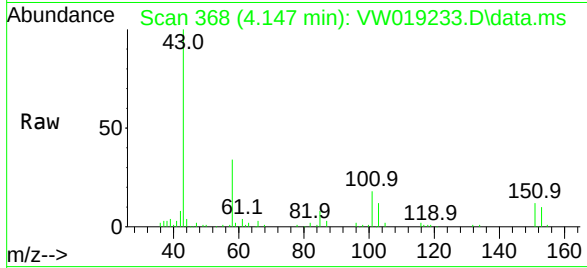




#13  
Acetone  
Concen: 47.287 ug/L  
RT: 4.147 min Scan# 368  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

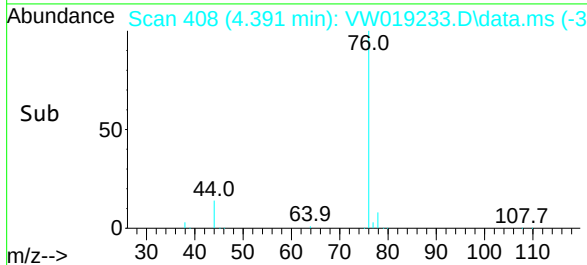
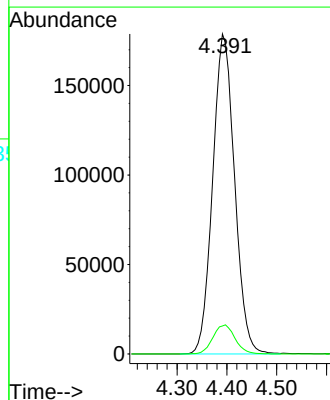
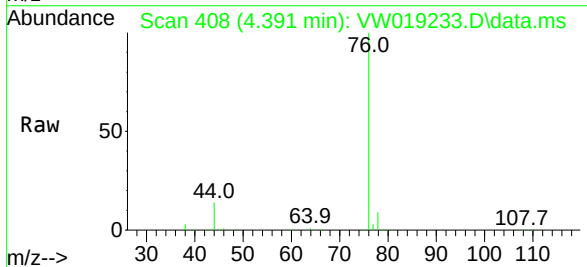
Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion: 43 Resp: 74262  
Ion Ratio Lower Upper  
43 100  
58 32.2 0.0 53.8

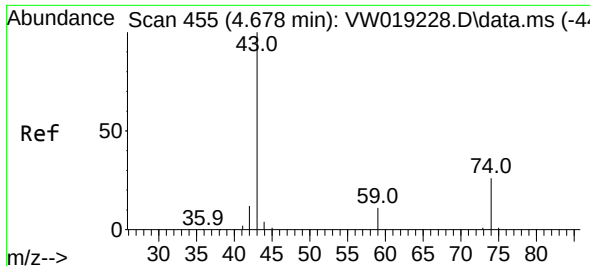


#14  
Carbon disulfide  
Concen: 23.782 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion: 76 Resp: 545392  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.0



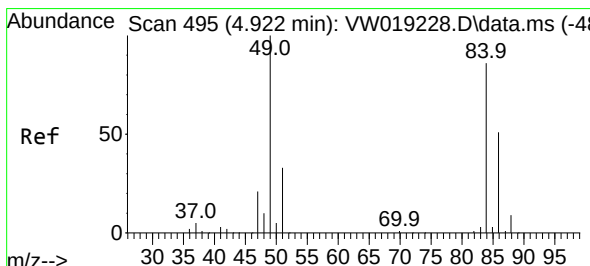
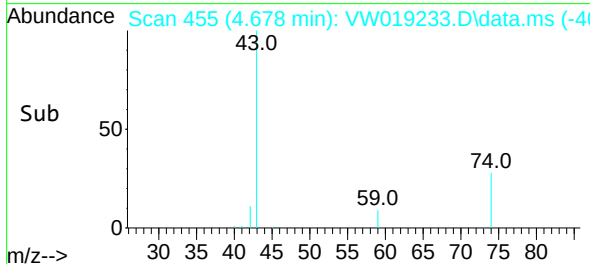
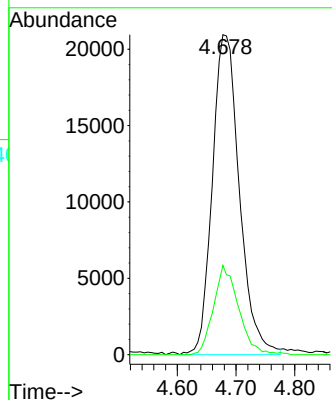
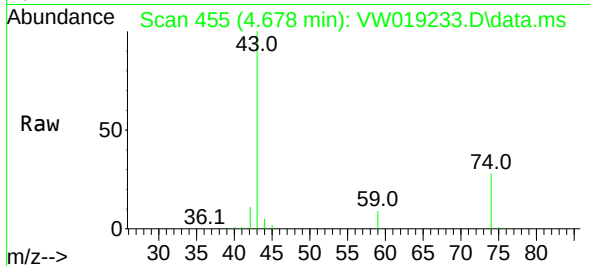




#15  
Methyl Acetate  
Concen: 21.224 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

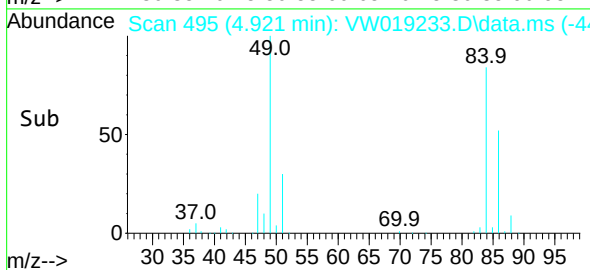
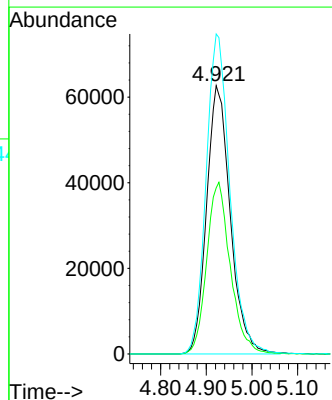
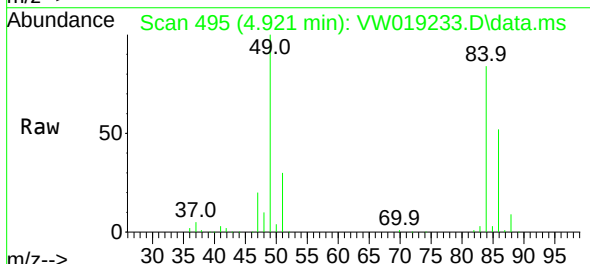
Instrument :  
MSVOA\_W  
ClientSampled :

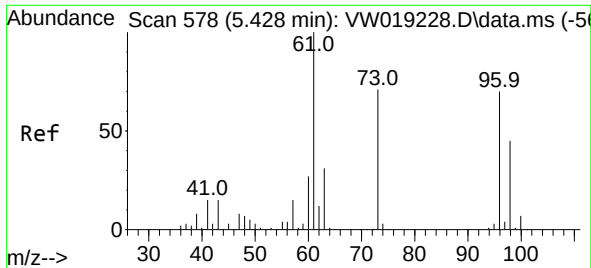
Tgt Ion: 43 Resp: 67041  
Ion Ratio Lower Upper  
43 100  
74 25.7 20.0 30.0



#16  
Methylene chloride  
Concen: 23.828 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

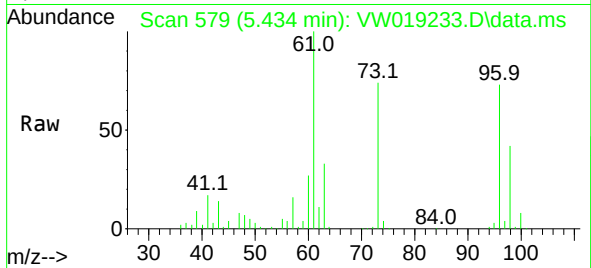
Tgt Ion: 84 Resp: 226223  
Ion Ratio Lower Upper  
84 100  
86 61.9 45.3 84.1  
49 119.2 86.6 160.8





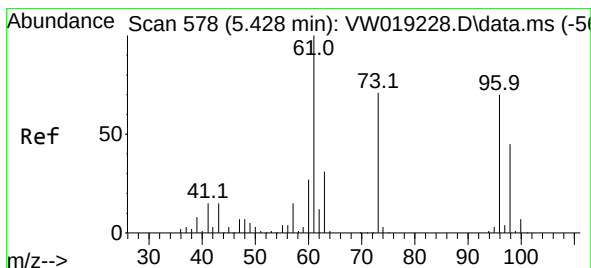
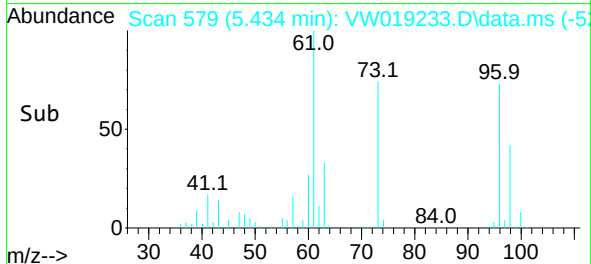
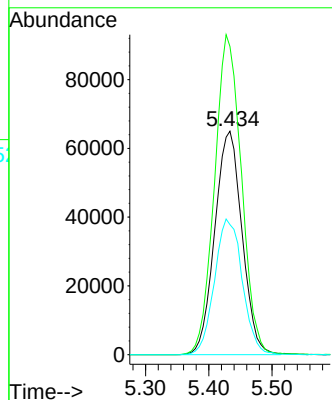
#17  
trans-1,2-Dichloroethene  
Concen: 24.908 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Instrument :  
MSVOA\_W  
ClientSampled :



Tgt Ion: 96 Resp: 194706

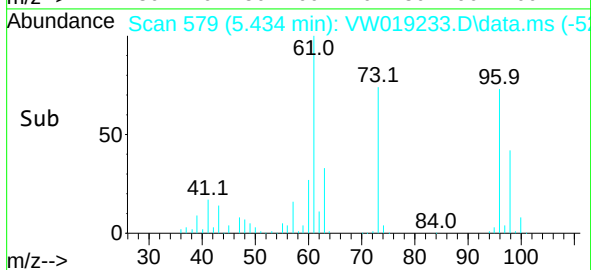
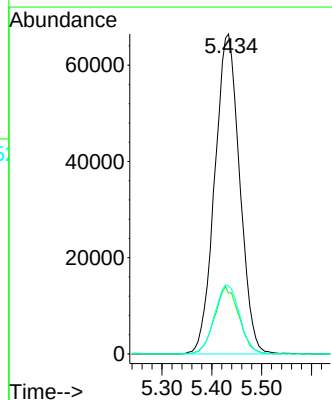
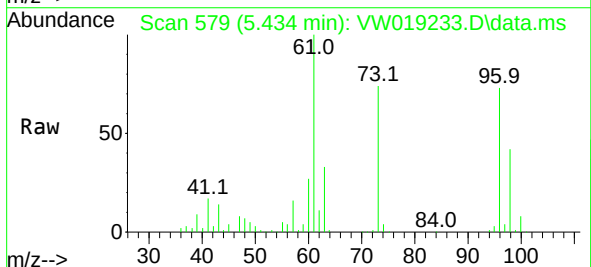
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 137.9 | 98.3  | 182.7 |
| 98  | 58.2  | 46.1  | 85.7  |

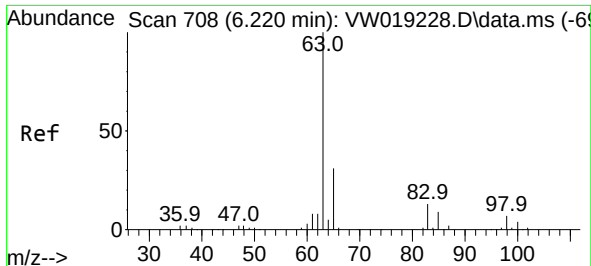


#18  
Methyl tert-butyl Ether  
Concen: 22.844 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion: 73 Resp: 230834

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 20.6  | 17.7  | 26.5  |
| 57  | 21.9  | 17.0  | 25.4  |





#19

1,1-Dichloroethane

Concen: 25.442 ug/L

RT: 6.220 min Scan# 708

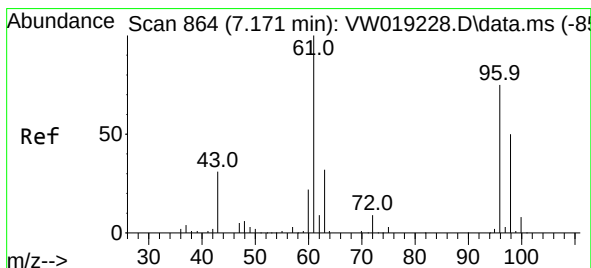
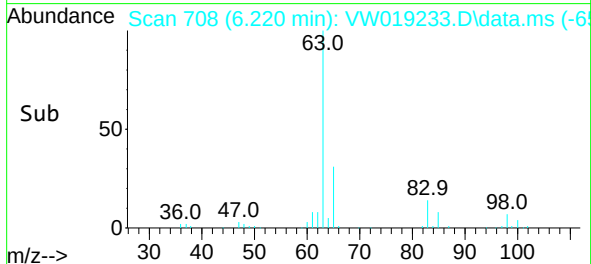
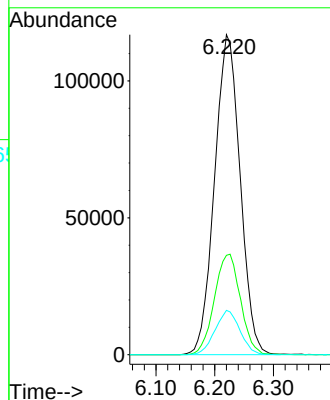
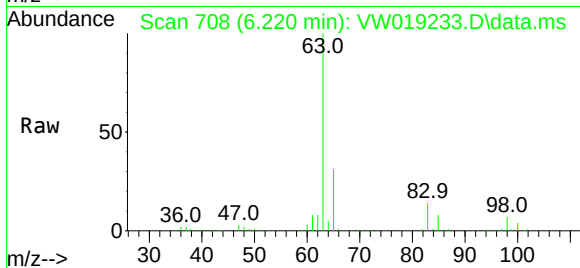
Delta R.T. -0.000 min

Lab File: VW019233.D

Acq: 16 Jun 2021 16:04

Tgt Ion: 63 Resp: 353002

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.0  | 22.9  | 42.5  |
| 83  | 13.8  | 10.2  | 19.0  |



#20

cis-1,2-Dichloroethene

Concen: 24.571 ug/L

RT: 7.171 min Scan# 864

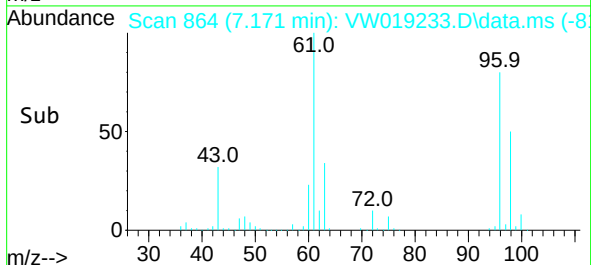
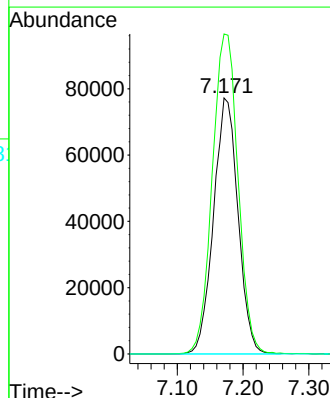
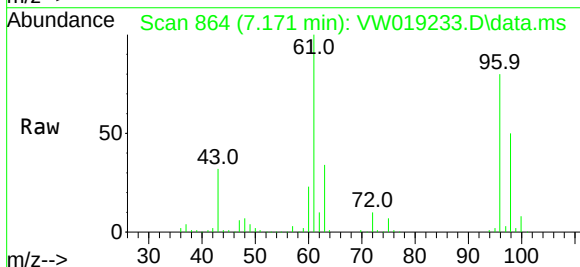
Delta R.T. -0.000 min

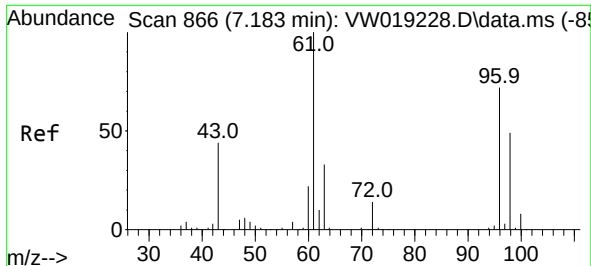
Lab File: VW019233.D

Acq: 16 Jun 2021 16:04

Tgt Ion: 96 Resp: 199977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 125.0 | 88.5  | 164.3 |
| 68  | 0.0   | 0.0   | 0.0   |

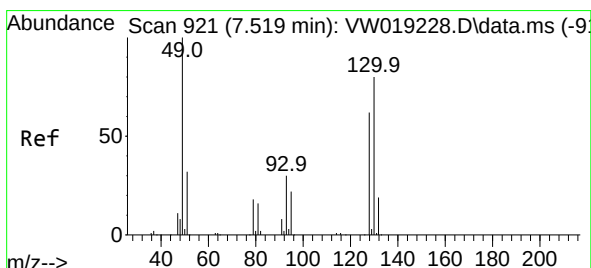
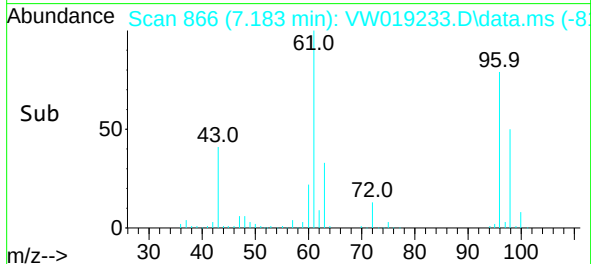
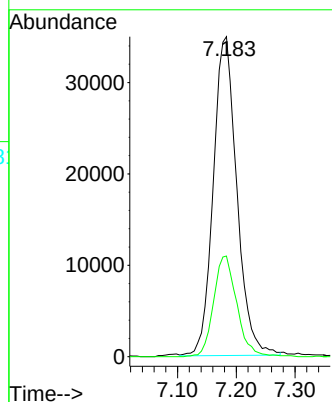
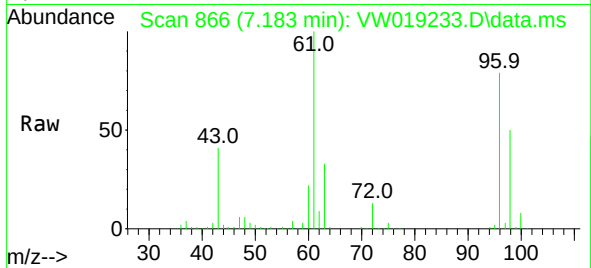




#22  
2-Butanone  
Concen: 46.445 ug/L  
RT: 7.183 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

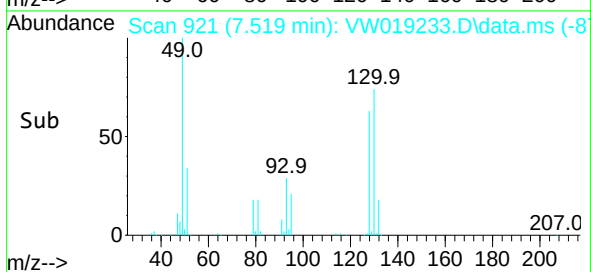
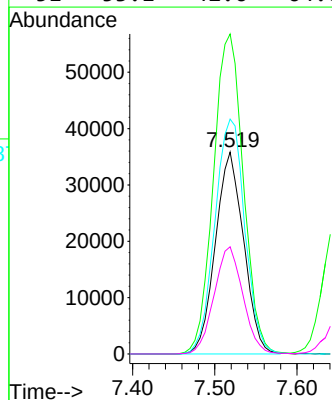
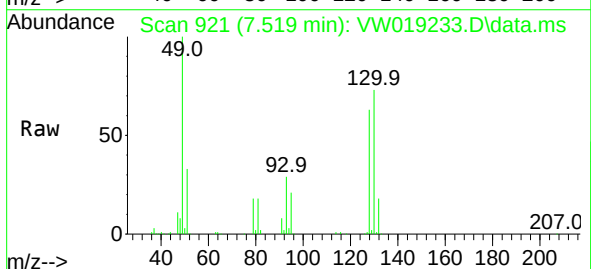
Instrument :  
MSVOA\_W  
ClientSampled :

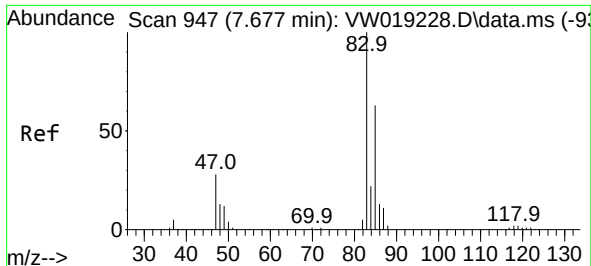
Tgt Ion: 43 Resp: 97527  
Ion Ratio Lower Upper  
43 100  
72 30.9 14.9 44.7



#23  
Bromochloromethane  
Concen: 23.859 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion: 128 Resp: 85425  
Ion Ratio Lower Upper  
128 100  
49 158.5 116.3 215.9  
130 116.4 82.4 153.0  
51 53.1 42.6 64.0

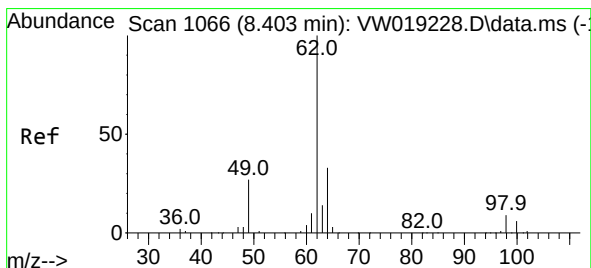
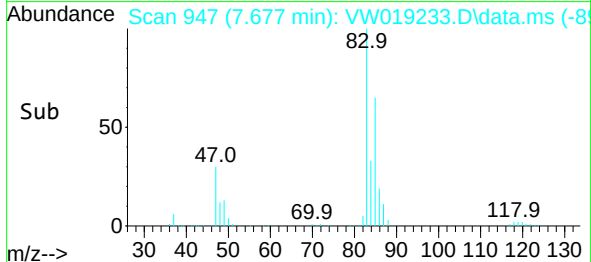
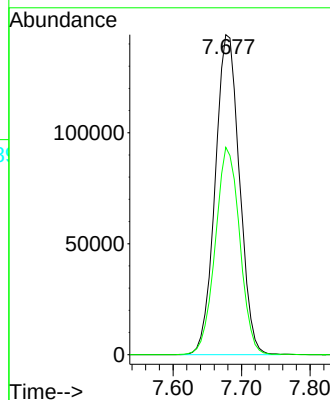
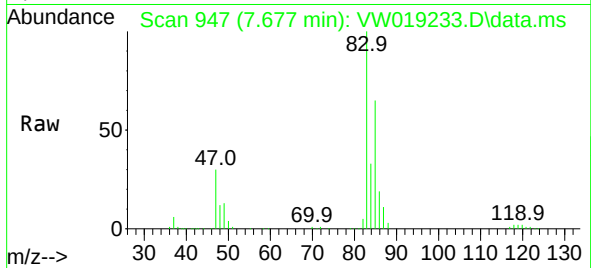




#25  
Chloroform  
Concen: 25.051 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

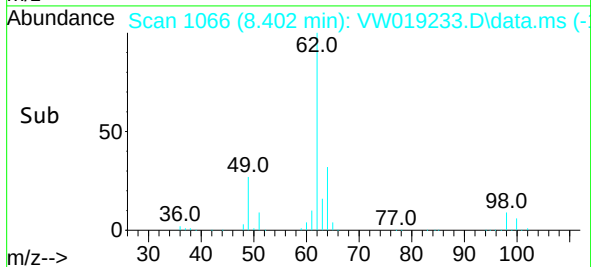
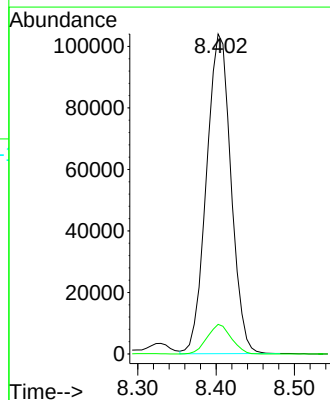
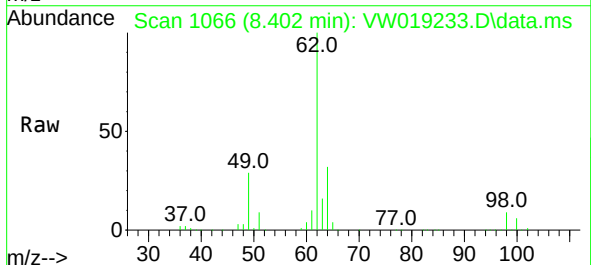
Instrument :  
MSVOA\_W  
ClientSampled :

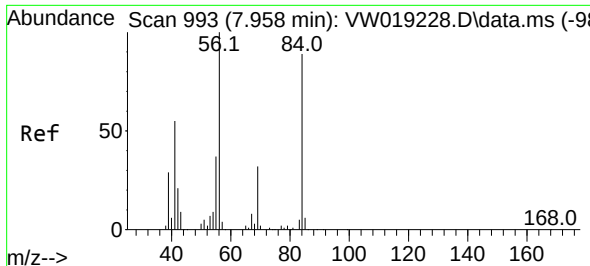
Tgt Ion: 83 Resp: 354496  
Ion Ratio Lower Upper  
83 100  
85 64.8 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 23.592 ug/L  
RT: 8.402 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

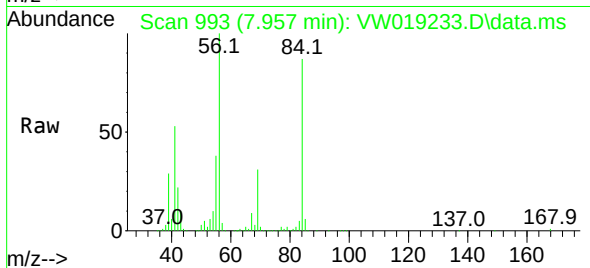
Tgt Ion: 62 Resp: 226072  
Ion Ratio Lower Upper  
62 100  
98 9.3 6.9 10.3



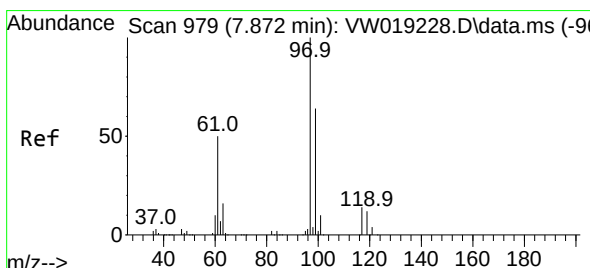
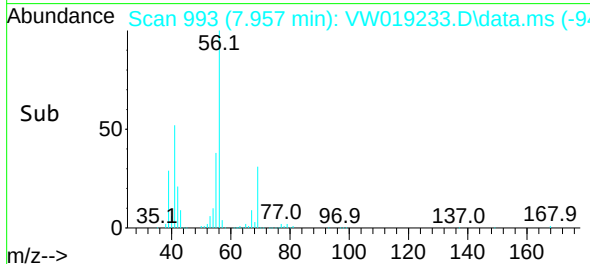
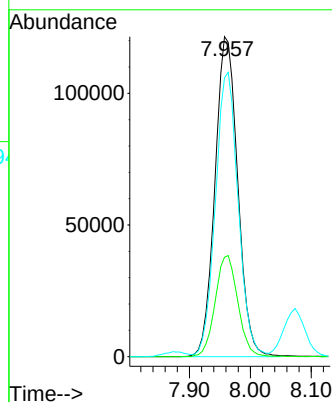


#29  
Cyclohexane  
Concen: 25.785 ug/L  
RT: 7.957 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Instrument :  
MSVOA\_W  
ClientSampleId :

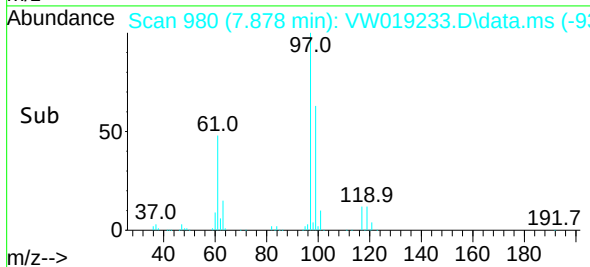
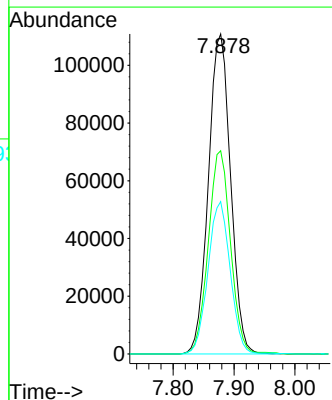
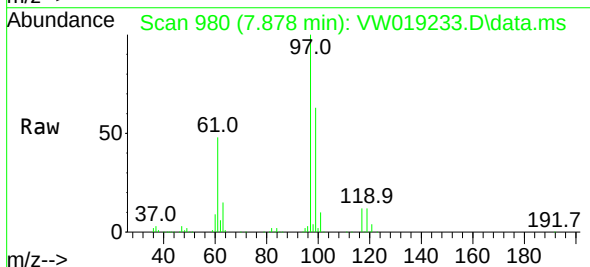


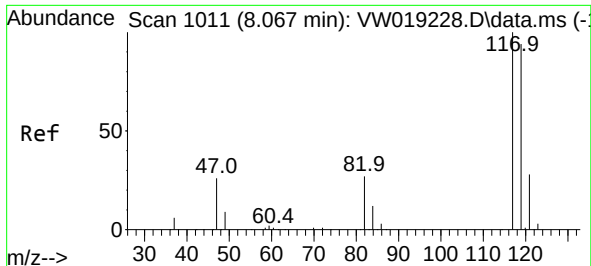
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 316234 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.3  | 24.5  | 36.7   |
| 84        | 88.8  | 75.0  | 112.4  |



#30  
1,1,1-Trichloroethane  
Concen: 25.842 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 280259 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.8  | 51.4  | 77.2   |
| 61        | 47.7  | 37.8  | 56.6   |

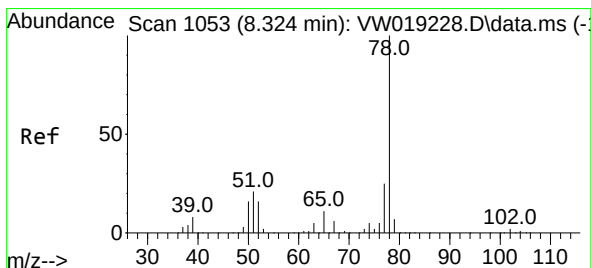
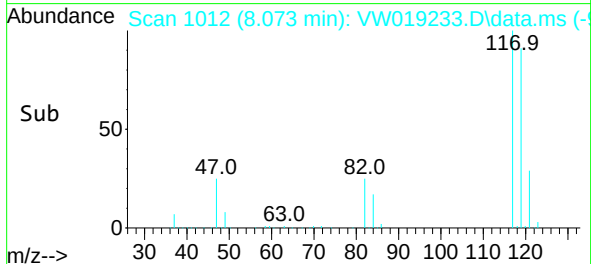
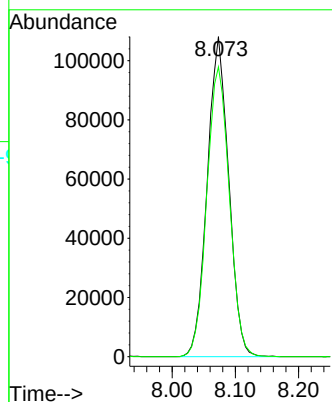
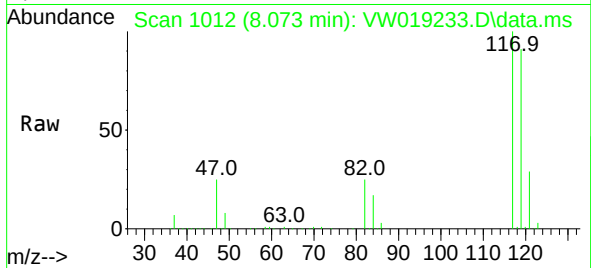




#31  
Carbon tetrachloride  
Concen: 25.475 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. 0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

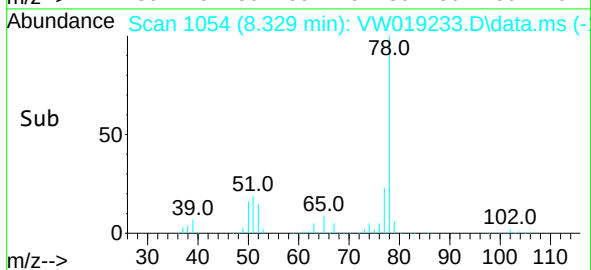
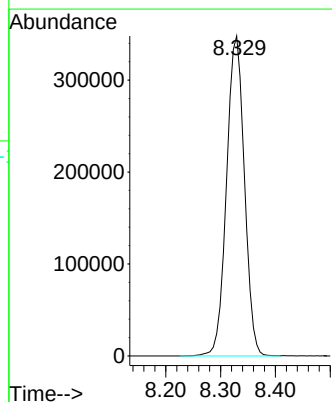
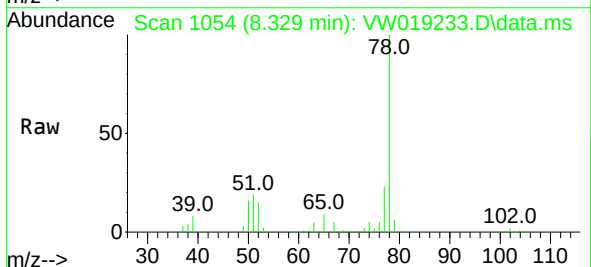
Instrument :  
MSVOA\_W  
ClientSampled :

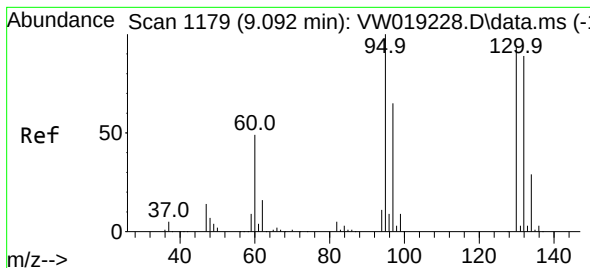
Tgt Ion:117 Resp: 255099  
Ion Ratio Lower Upper  
117 100  
119 94.9 76.5 114.7



#33  
Benzene  
Concen: 25.432 ug/L  
RT: 8.329 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion: 78 Resp: 788437



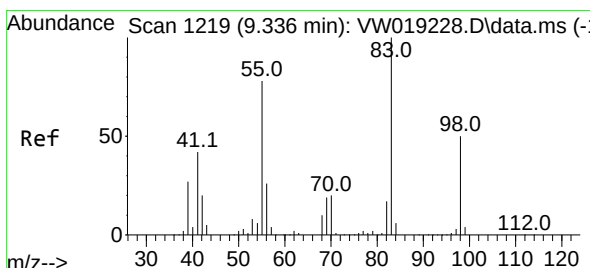
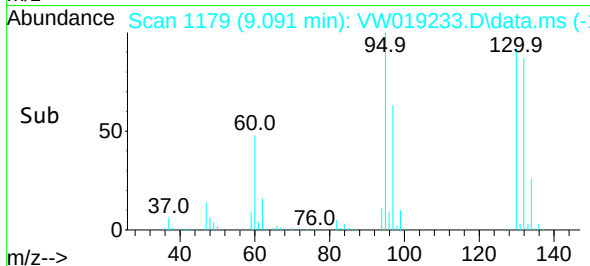
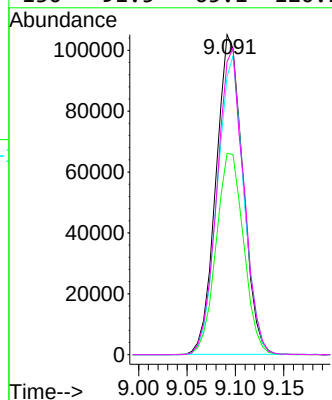
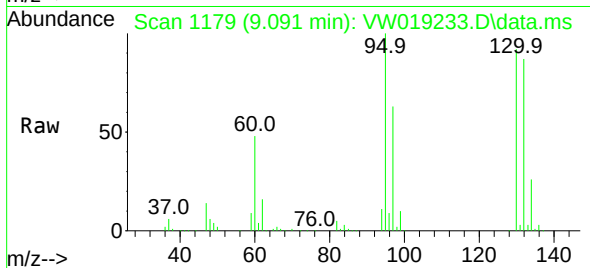


#34  
Trichloroethene  
Concen: 25.101 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion: 95 Resp: 202856

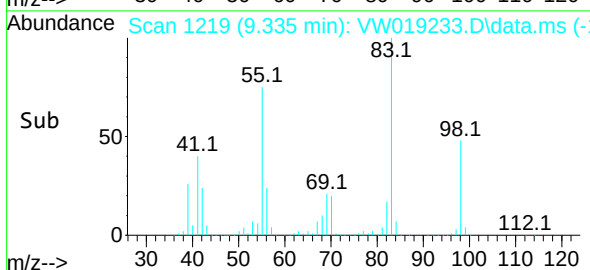
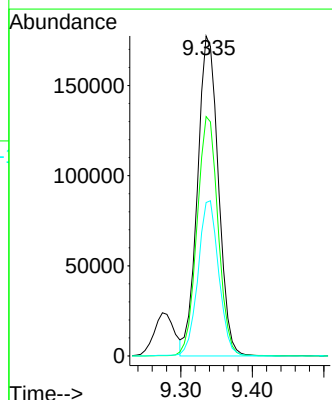
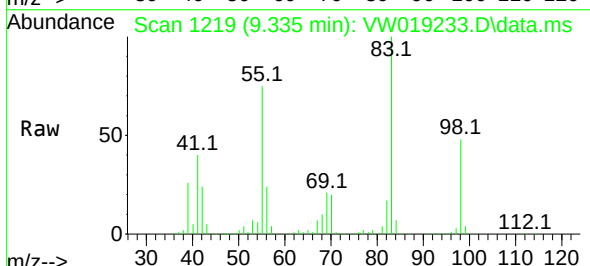
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.9  | 47.3  | 87.8  |
| 132 | 87.0  | 71.0  | 131.8 |
| 130 | 91.5  | 65.1  | 120.9 |



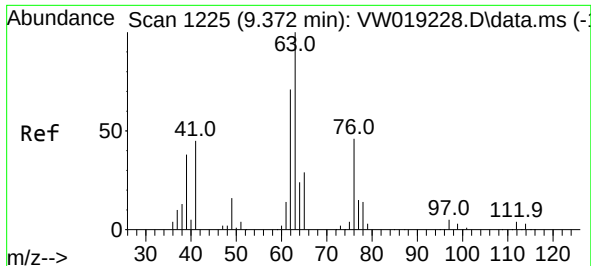
#35  
Methylcyclohexane  
Concen: 25.865 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion: 83 Resp: 359691

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 75.3  | 58.9  | 88.3  |
| 98  | 48.4  | 40.1  | 60.1  |



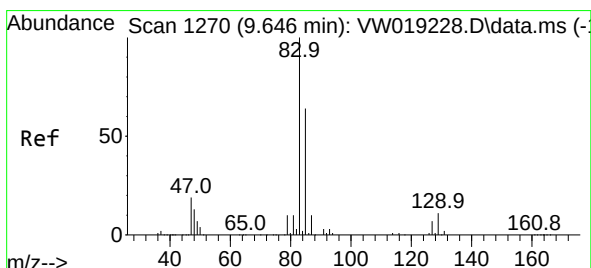
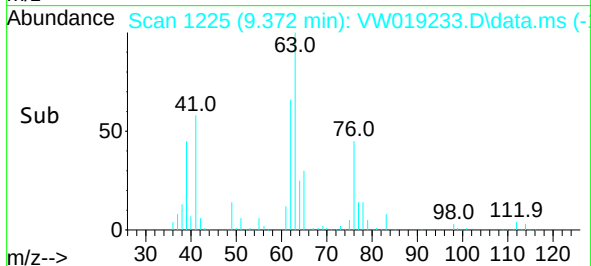
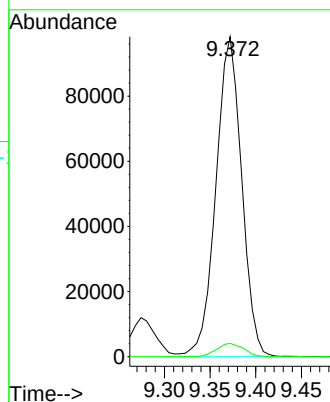
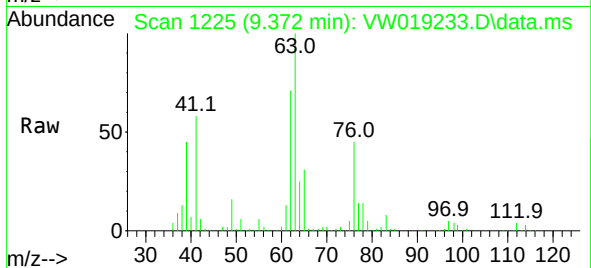




#37  
1,2-Dichloropropane  
Concen: 25.300 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

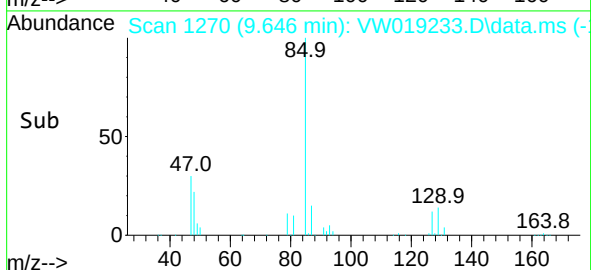
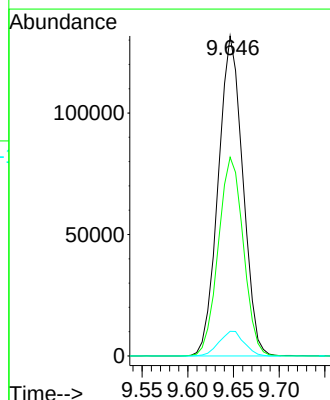
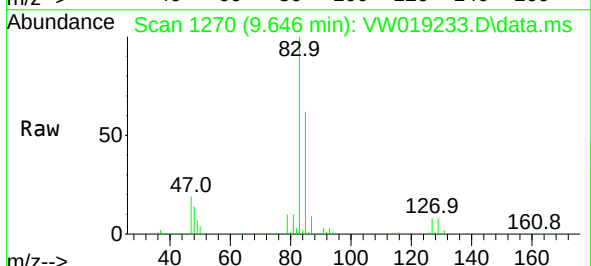
Instrument :  
MSVOA\_W  
ClientSampled :

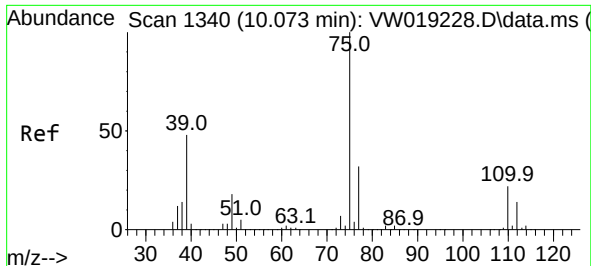
Tgt Ion: 63 Resp: 192668  
Ion Ratio Lower Upper  
63 100  
112 4.3 3.9 5.9



#38  
Bromodichloromethane  
Concen: 24.953 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion: 83 Resp: 246478  
Ion Ratio Lower Upper  
83 100  
85 62.1 42.3 78.5  
127 7.7 6.6 9.8

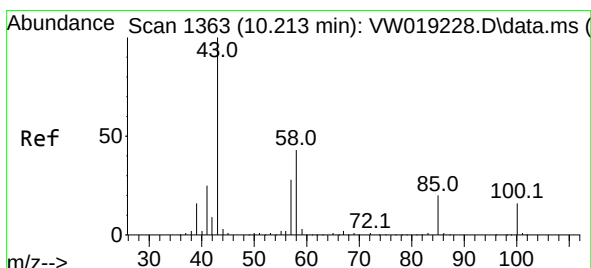
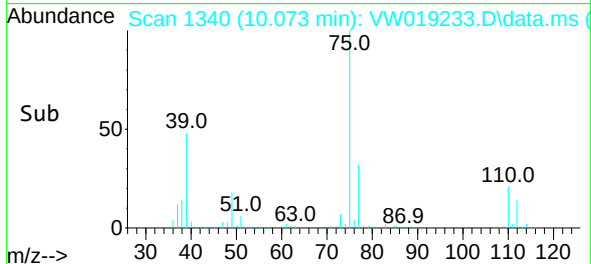
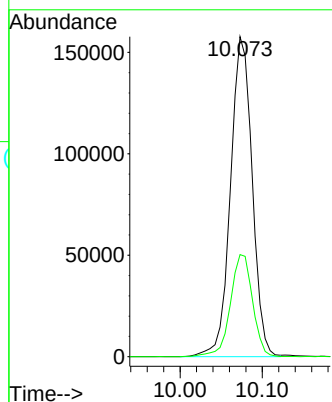
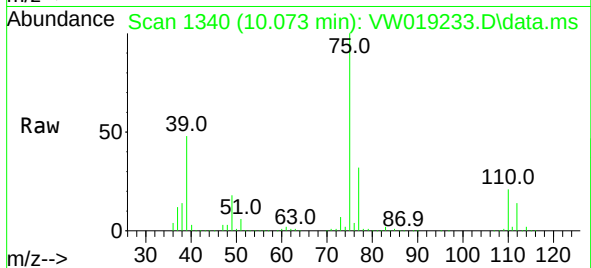




#39  
 cis-1,3-Dichloropropene  
 Concen: 24.530 ug/L  
 RT: 10.073 min Scan# 1340  
 Delta R.T. -0.000 min  
 Lab File: VW019233.D  
 Acq: 16 Jun 2021 16:04

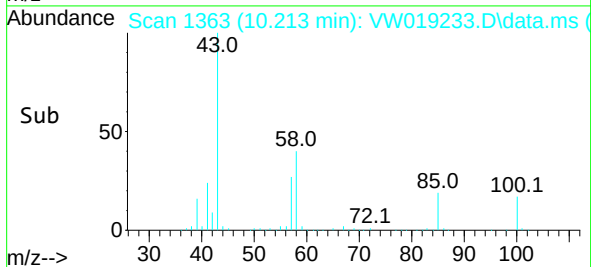
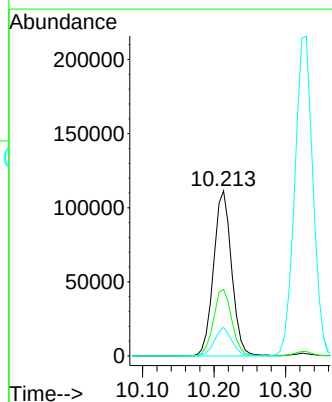
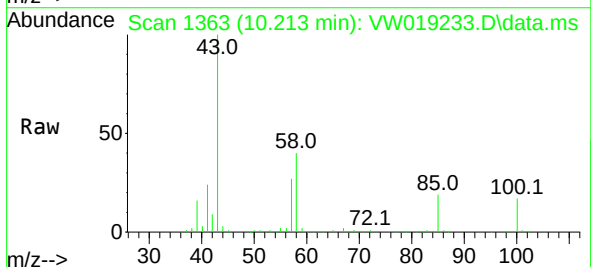
Instrument :  
 MSVOA\_W  
 ClientSampled :

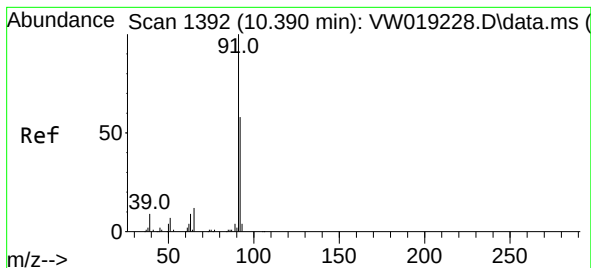
Tgt Ion: 75 Resp: 289440  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 22.6 42.0



#40  
 4-Methyl-2-pentanone  
 Concen: 42.967 ug/L  
 RT: 10.213 min Scan# 1363  
 Delta R.T. -0.000 min  
 Lab File: VW019233.D  
 Acq: 16 Jun 2021 16:04

Tgt Ion: 43 Resp: 194864  
 Ion Ratio Lower Upper  
 43 100  
 58 41.0 31.0 46.4  
 100 16.6 13.0 19.6





#42

Toluene

Concen: 25.797 ug/L

RT: 10.390 min Scan# 1392

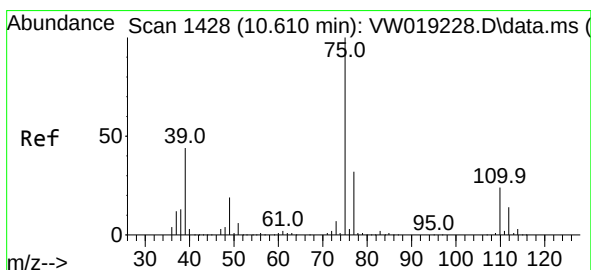
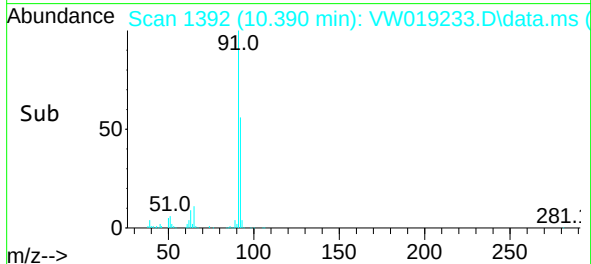
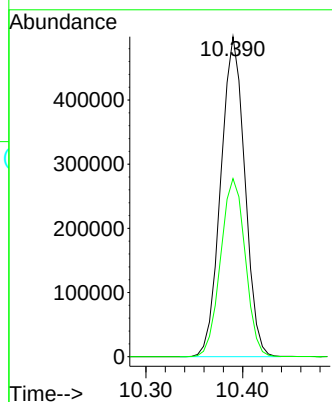
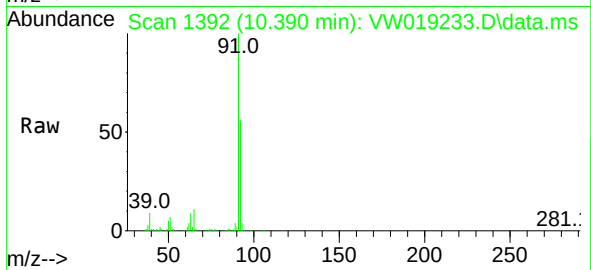
Delta R.T. -0.000 min

Lab File: VW019233.D

Acq: 16 Jun 2021 16:04

Tgt Ion: 91 Resp: 860413

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 55.6  | 39.5  | 73.3  |



#44

trans-1,3-Dichloropropene

Concen: 24.215 ug/L

RT: 10.609 min Scan# 1428

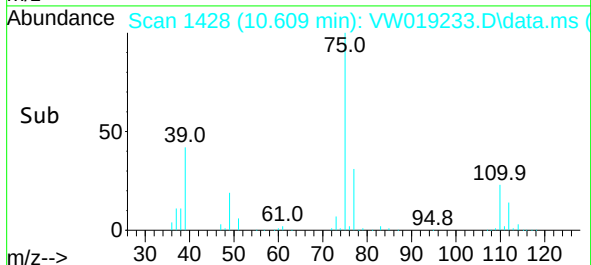
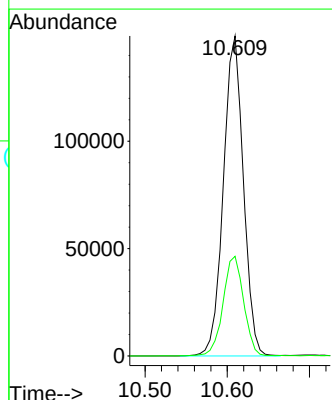
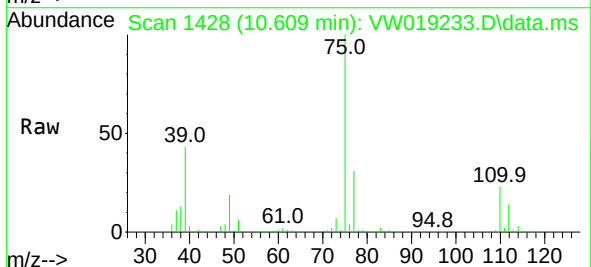
Delta R.T. -0.000 min

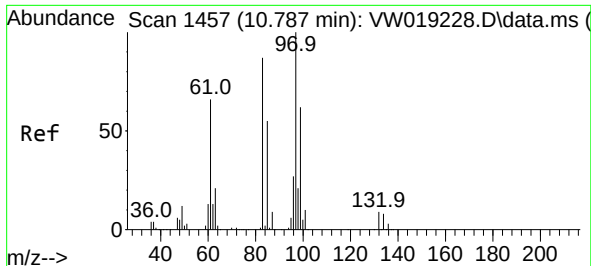
Lab File: VW019233.D

Acq: 16 Jun 2021 16:04

Tgt Ion: 75 Resp: 252206

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.1  | 21.1  | 39.1  |



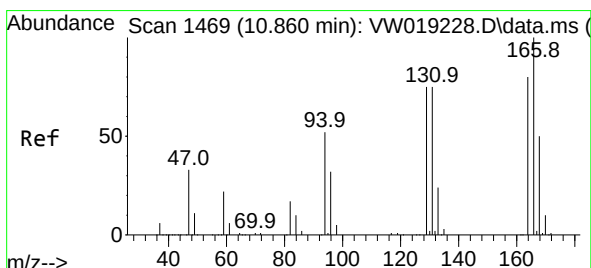
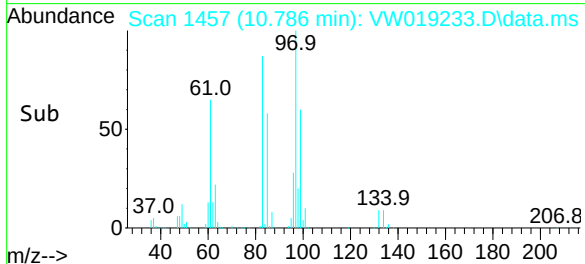
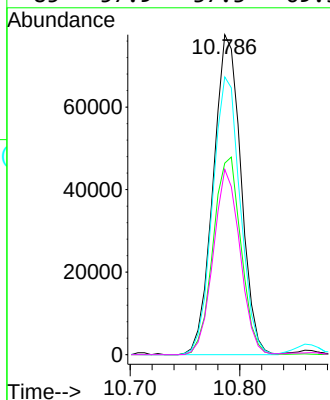
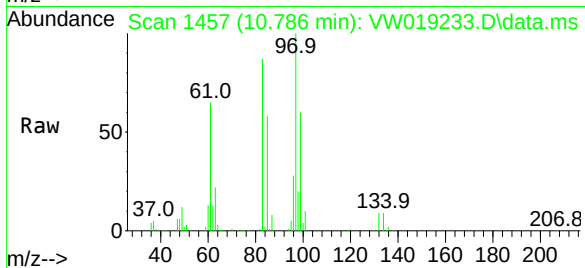


#45

1,1,2-Trichloroethane  
Concen: 23.764 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Instrument :  
MSVOA\_W  
ClientSampleId :

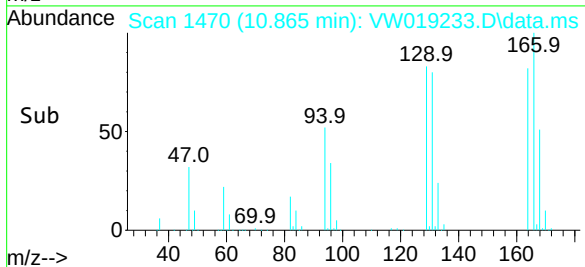
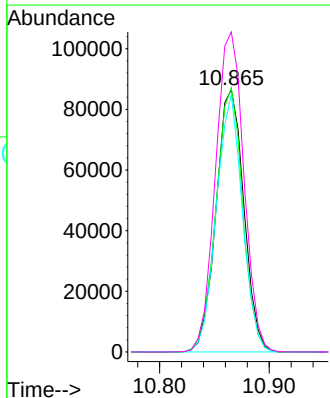
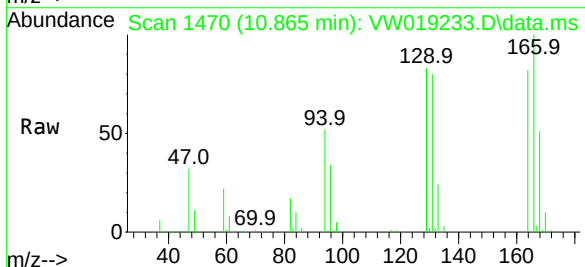
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 136255 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 59.8  | 45.1  | 83.7   |
| 83       | 86.8  | 58.1  | 107.9  |
| 85       | 57.9  | 37.3  | 69.3   |

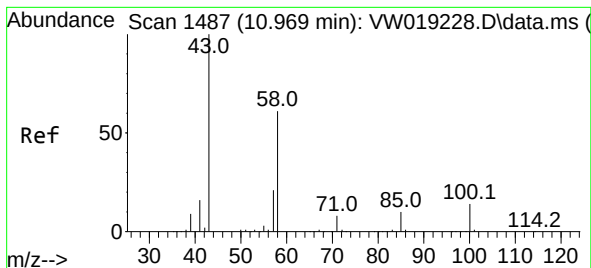


#46

Tetrachloroethene  
Concen: 24.602 ug/L  
RT: 10.865 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 151976 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 100.7 | 66.7  | 123.9  |
| 131      | 98.1  | 61.1  | 113.5  |
| 166      | 121.9 | 87.0  | 161.6  |

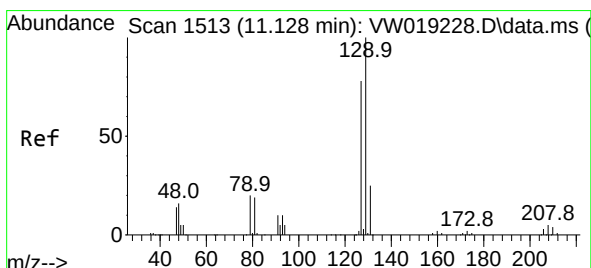
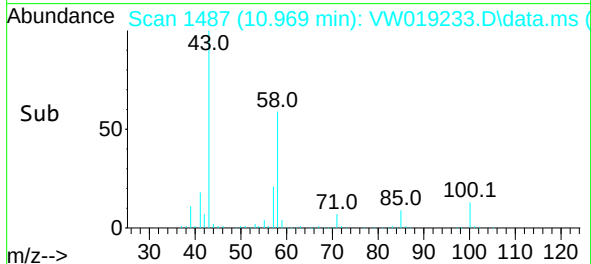
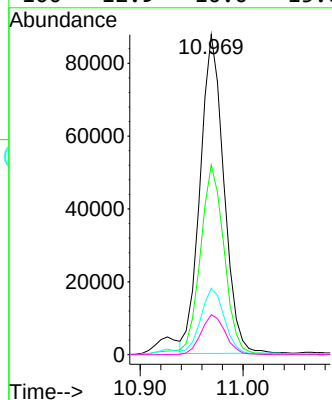
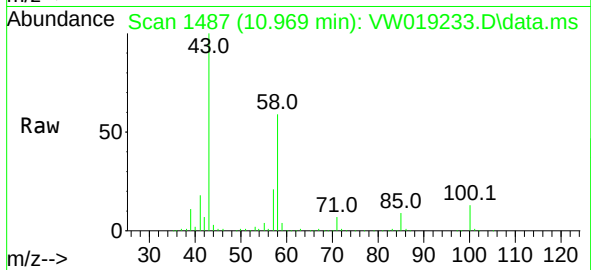




#48  
2-Hexanone  
Concen: 46.026 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

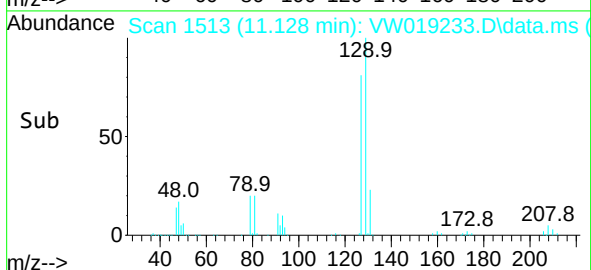
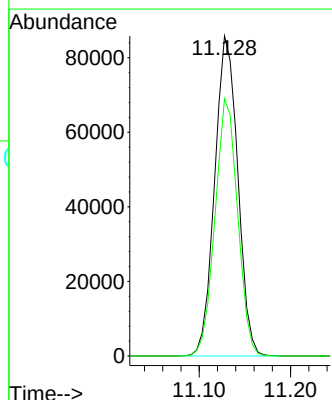
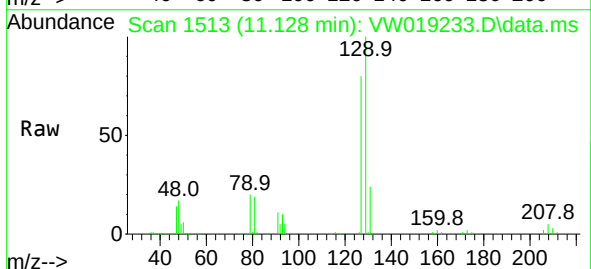
Instrument :  
MSVOA\_W  
ClientSampled :

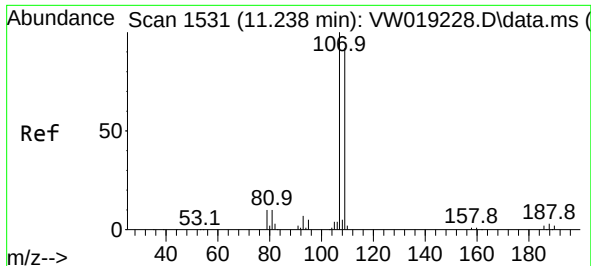
Tgt Ion: 43 Resp: 140324  
Ion Ratio Lower Upper  
43 100  
58 60.6 42.7 64.1  
57 21.3 15.8 23.8  
100 12.9 10.0 15.0



#49  
Dibromochloromethane  
Concen: 23.718 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

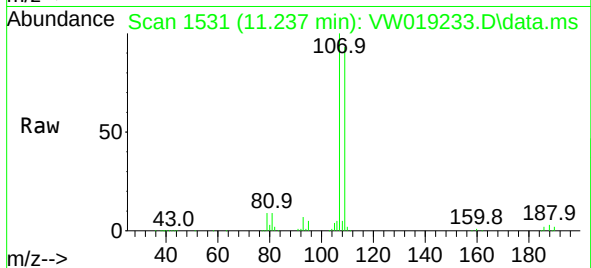
Tgt Ion: 129 Resp: 150730  
Ion Ratio Lower Upper  
129 100  
127 80.4 51.7 95.9



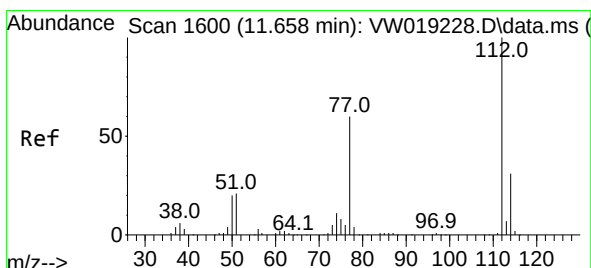
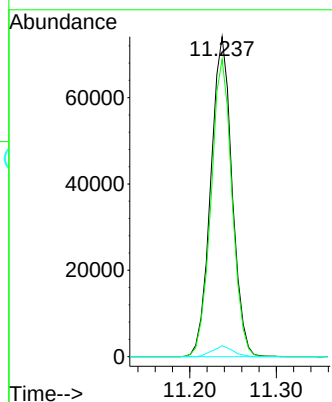
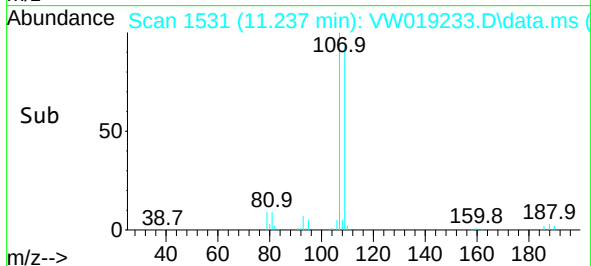


#50  
1,2-Dibromoethane  
Concen: 22.752 ug/L  
RT: 11.237 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

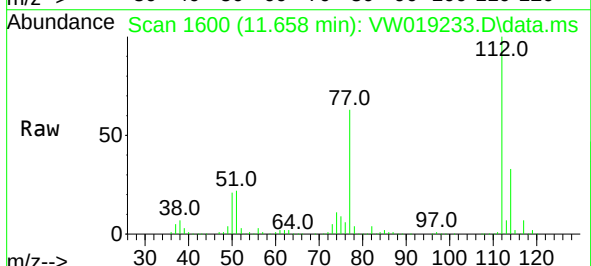
Instrument :  
MSVOA\_W  
ClientSampleId :



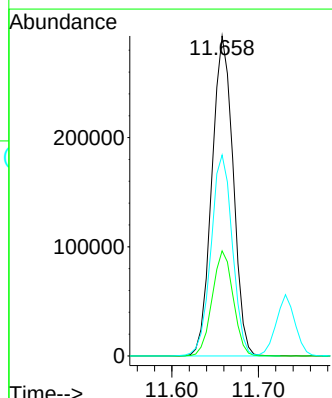
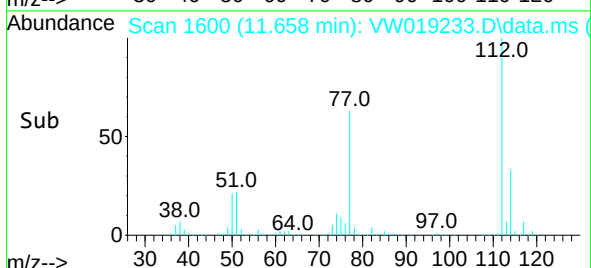
Tgt Ion:107 Resp: 126386  
Ion Ratio Lower Upper  
107 100  
109 93.0 65.4 121.4  
188 3.4 2.6 4.0

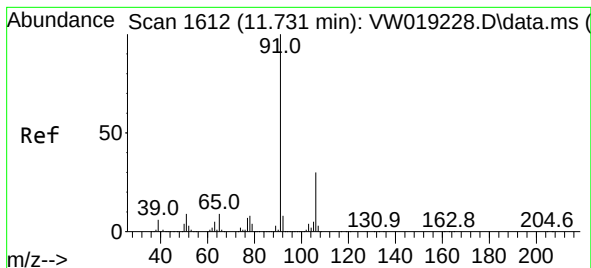


#51  
Chlorobenzene  
Concen: 24.295 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04



Tgt Ion:112 Resp: 500181  
Ion Ratio Lower Upper  
112 100  
114 32.8 23.4 43.6  
77 62.8 47.6 71.4

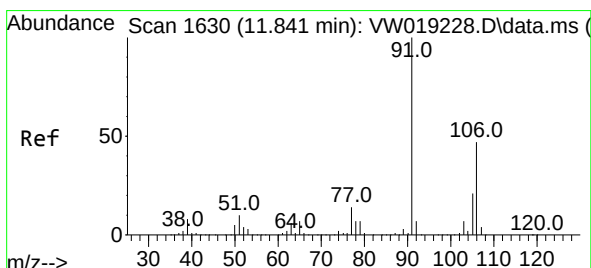
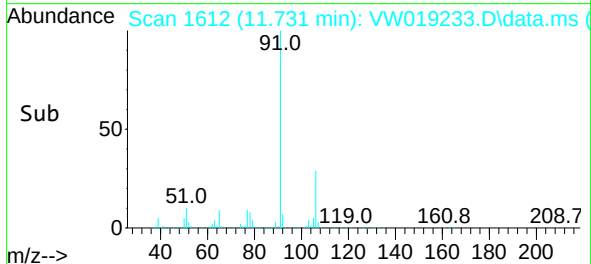
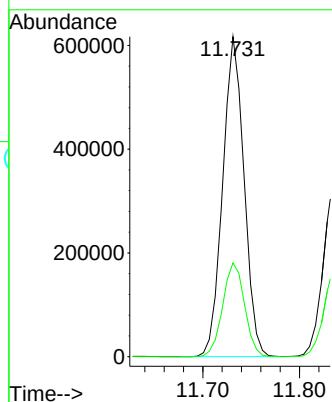
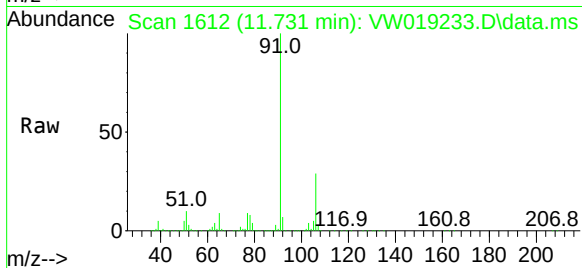




#52  
Ethylbenzene  
Concen: 25.772 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

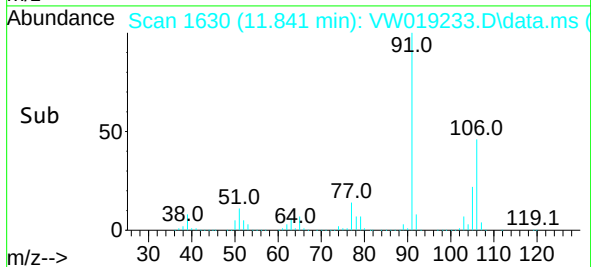
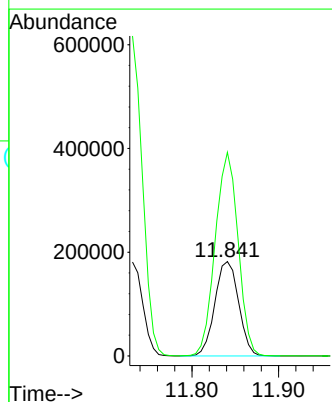
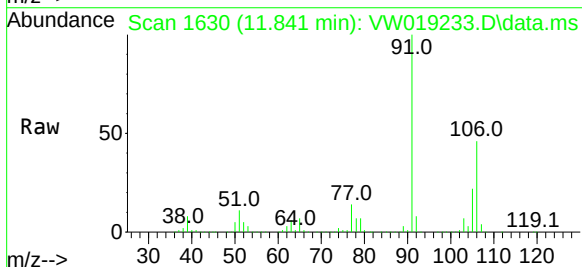
Instrument :  
MSVOA\_W  
ClientSampled :

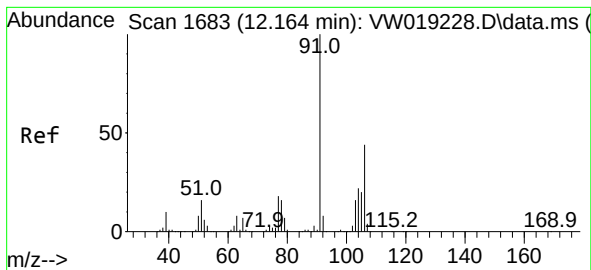
Tgt Ion: 91 Resp: 945598  
Ion Ratio Lower Upper  
91 100  
106 29.3 22.5 41.7



#53  
m,p-Xylene  
Concen: 25.638 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion:106 Resp: 346896  
Ion Ratio Lower Upper  
106 100  
91 215.6 141.3 262.3

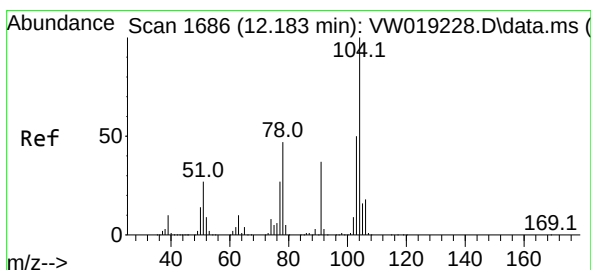
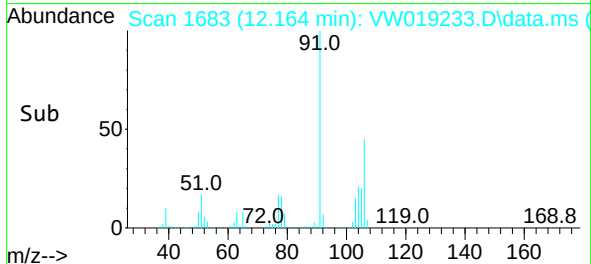
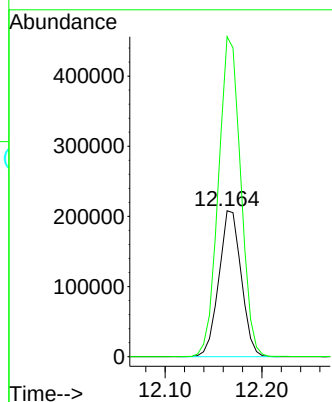
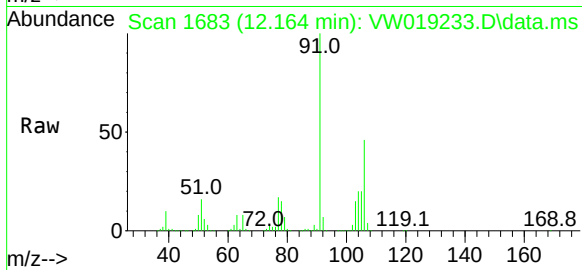




#54  
o-Xylene  
Concen: 25.859 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

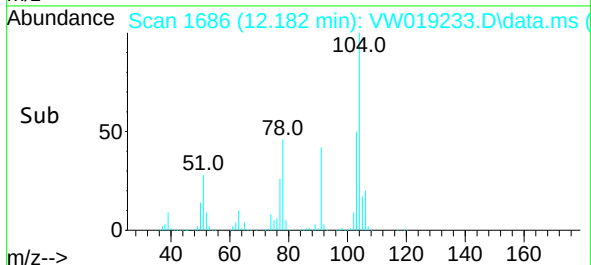
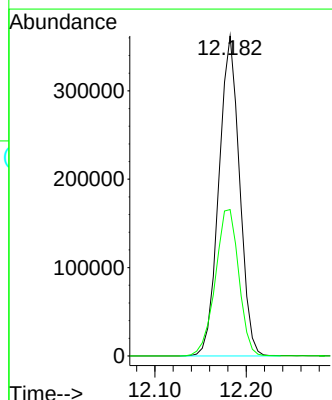
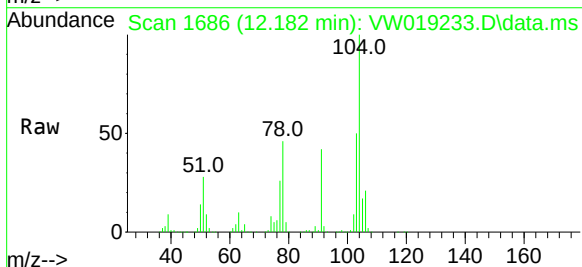
Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion:106 Resp: 333293  
Ion Ratio Lower Upper  
106 100  
91 219.2 150.0 278.6

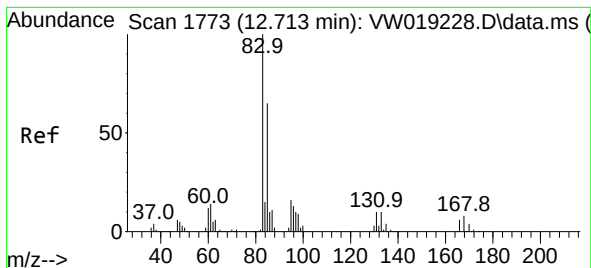


#55  
Styrene  
Concen: 25.687 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion:104 Resp: 569358  
Ion Ratio Lower Upper  
104 100  
78 45.8 32.5 60.3



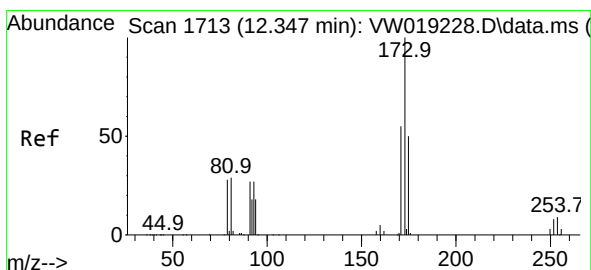
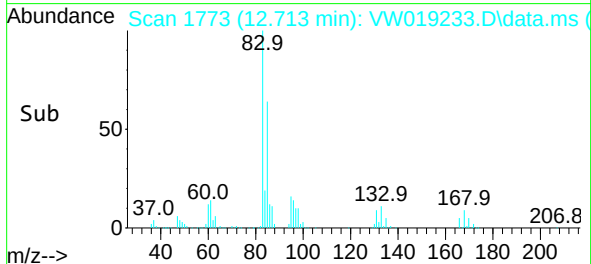
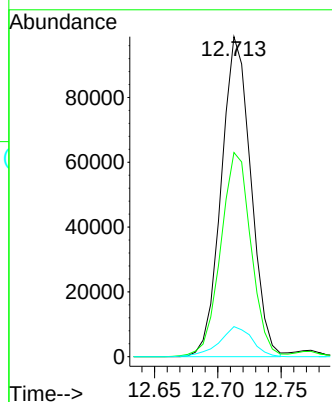
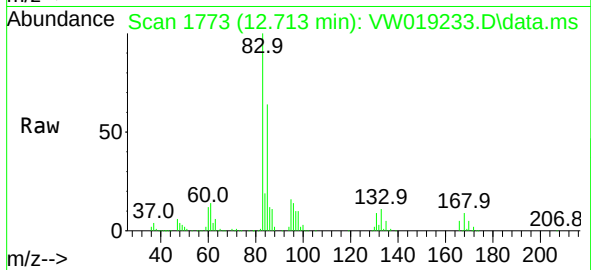




#57  
1,1,2,2-Tetrachloroethane  
Concen: 22.708 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

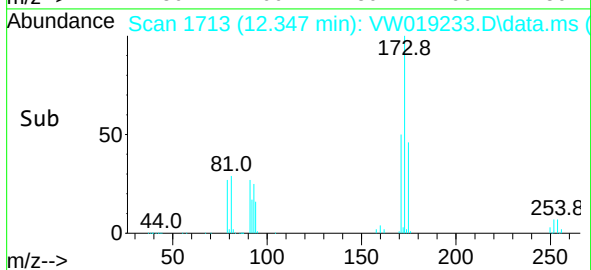
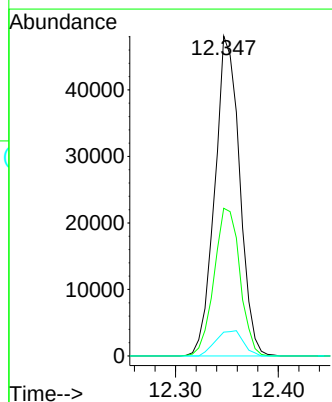
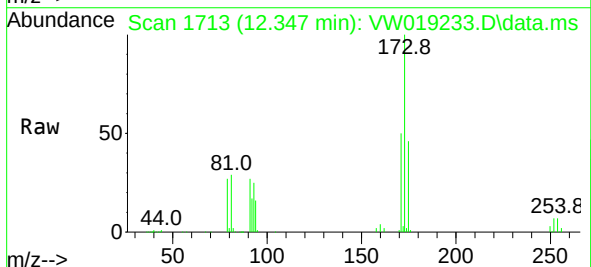
Instrument :  
MSVOA\_W  
ClientSampleId :

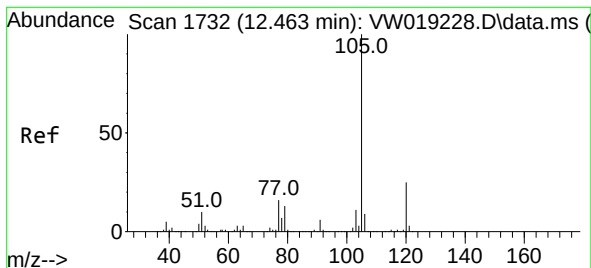
Tgt Ion: 83 Resp: 160459  
Ion Ratio Lower Upper  
83 100  
85 63.8 44.4 82.4  
131 9.4 8.2 12.4



#59  
Bromoform  
Concen: 21.605 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion:173 Resp: 80552  
Ion Ratio Lower Upper  
173 100  
175 48.1 37.5 56.3  
254 8.8 7.0 10.4

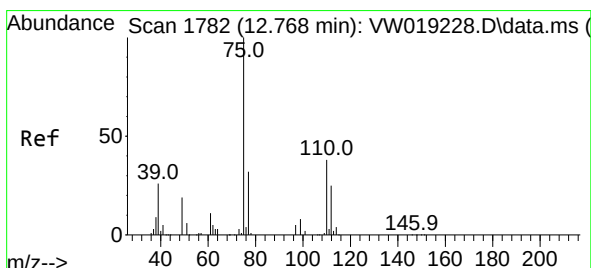
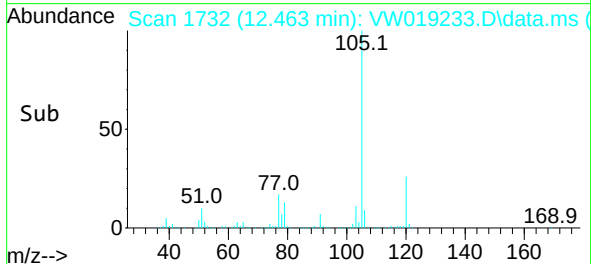
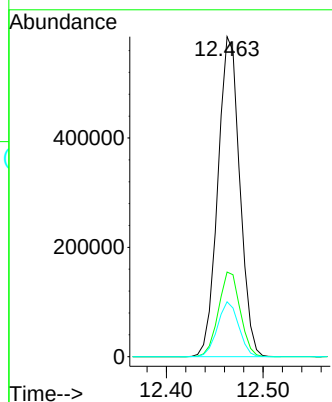
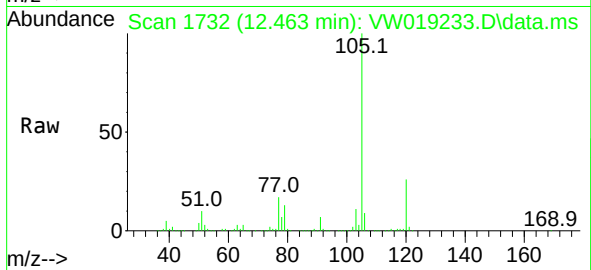




#60  
Isopropylbenzene  
Concen: 25.326 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

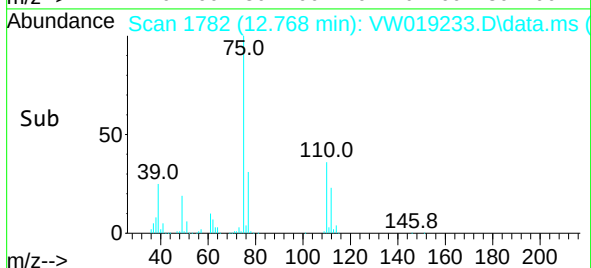
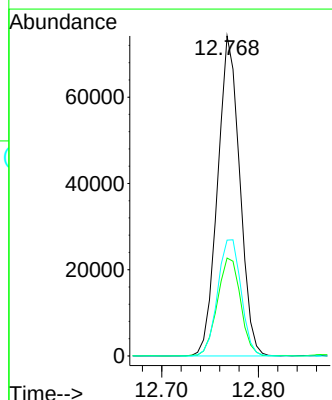
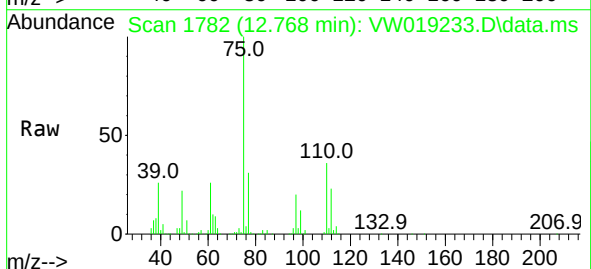
Instrument :  
MSVOA\_W  
ClientSampleId :

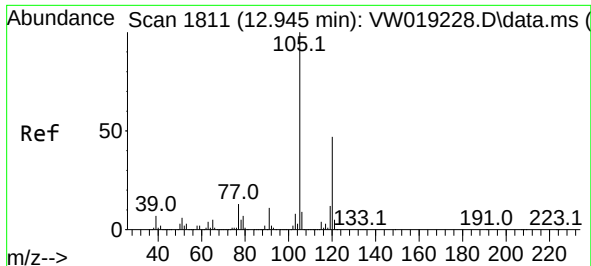
Tgt Ion:105 Resp: 917659  
Ion Ratio Lower Upper  
105 100  
120 26.3 21.1 31.7  
77 16.6 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 21.759 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion: 75 Resp: 117811  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.3 37.9  
110 38.5 32.6 48.8

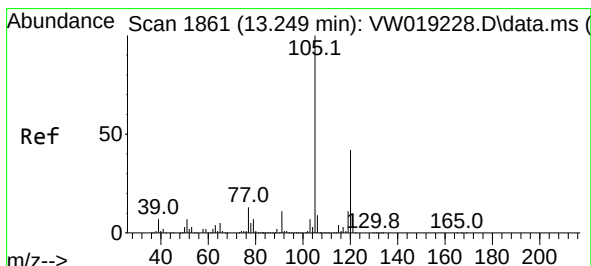
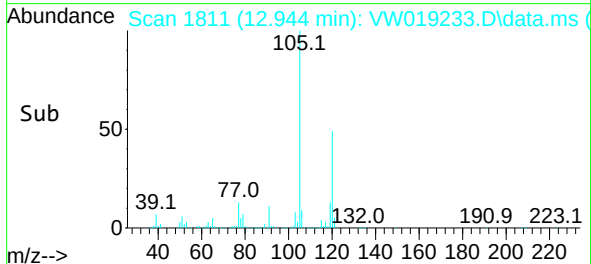
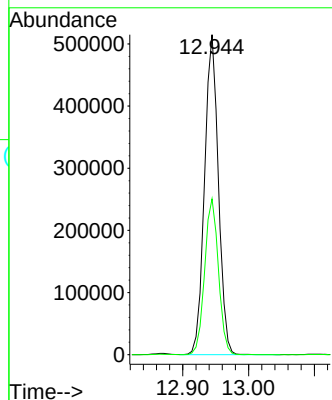
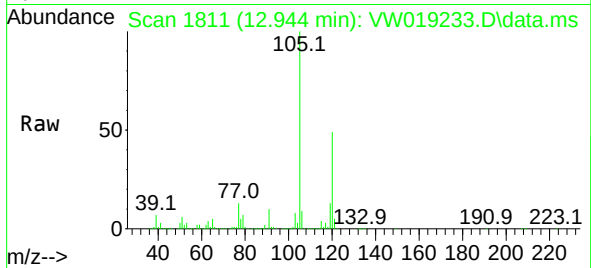




#62  
1,3,5-Trimethylbenzene  
Concen: 25.318 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

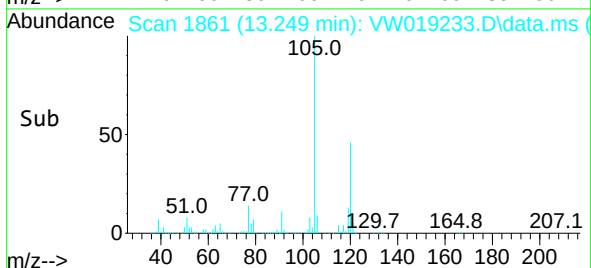
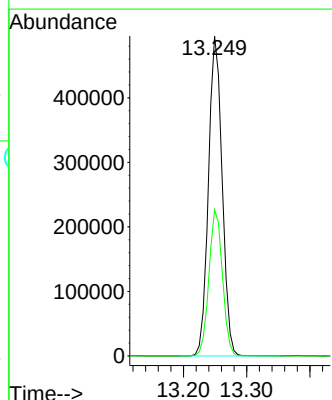
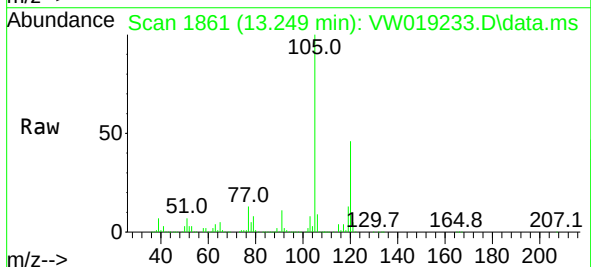
Instrument :  
MSVOA\_W  
ClientSampled :

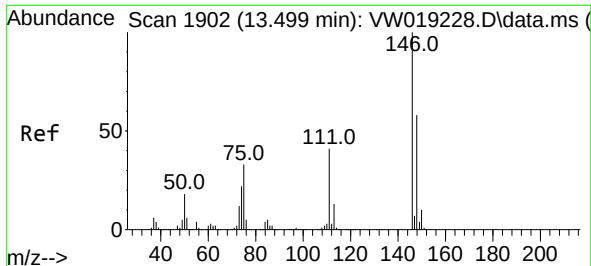
Tgt Ion:105 Resp: 753444  
Ion Ratio Lower Upper  
105 100  
120 48.4 39.0 58.6



#63  
1,2,4-Trimethylbenzene  
Concen: 25.106 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion:105 Resp: 745809  
Ion Ratio Lower Upper  
105 100  
120 45.2 35.6 53.4

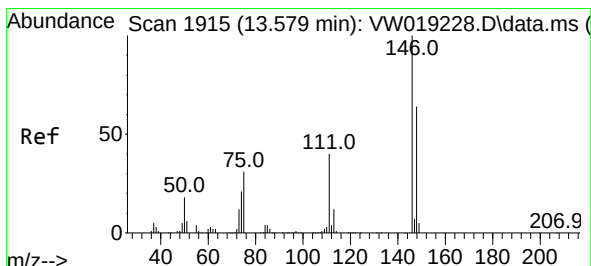
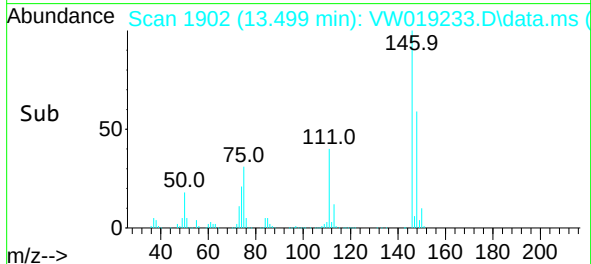
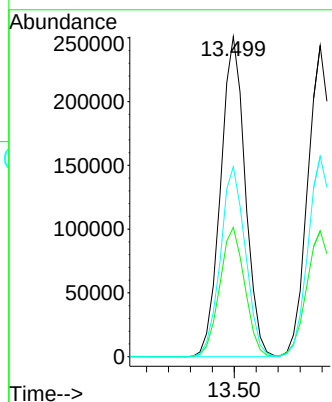
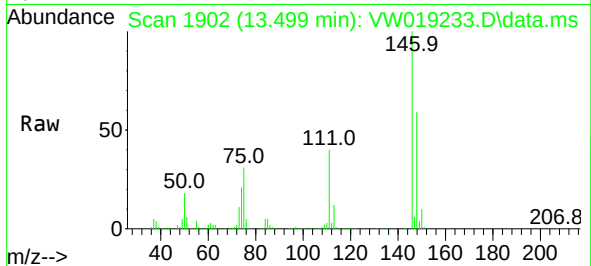




#64  
1,3-Dichlorobenzene  
Concen: 24.651 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

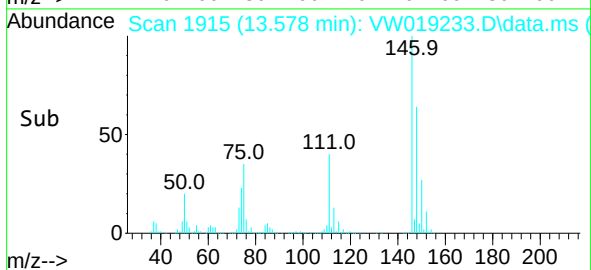
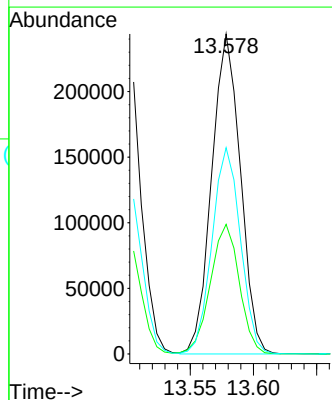
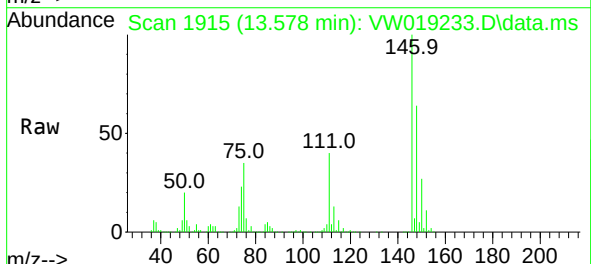
Instrument :  
MSVOA\_W  
ClientSampled :

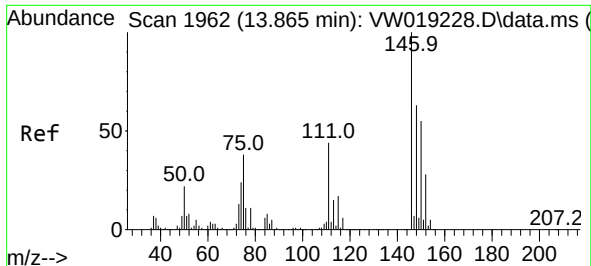
Tgt Ion:146 Resp: 389809  
Ion Ratio Lower Upper  
146 100  
111 40.4 26.7 49.7  
148 59.3 41.1 76.3



#65  
1,4-Dichlorobenzene  
Concen: 23.818 ug/L  
RT: 13.578 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion:146 Resp: 385127  
Ion Ratio Lower Upper  
146 100  
111 40.5 28.8 53.4  
148 64.4 46.8 87.0

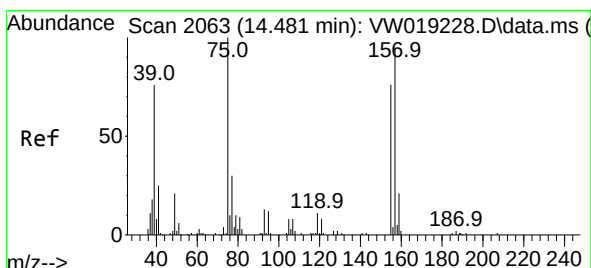
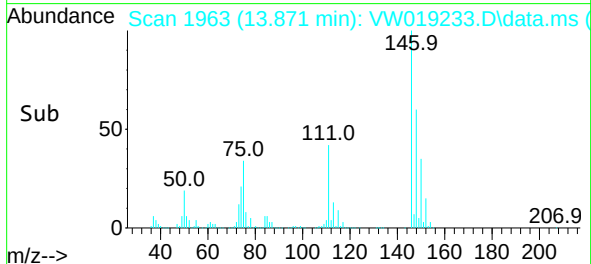
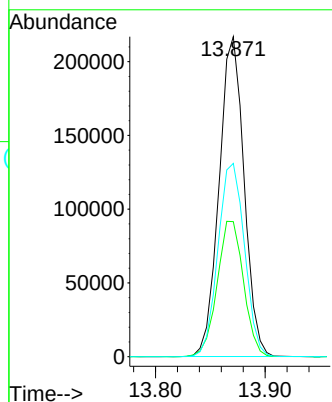
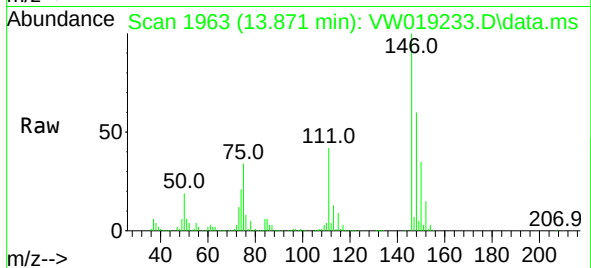




#67  
1,2-Dichlorobenzene  
Concen: 24.123 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.006 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

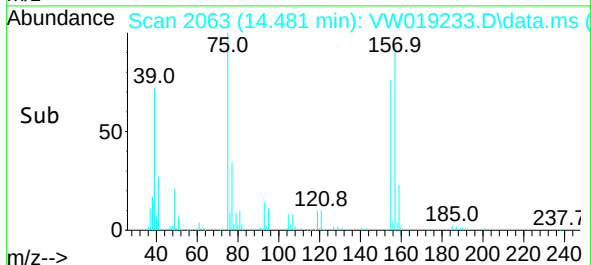
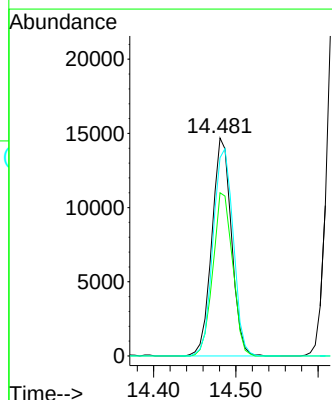
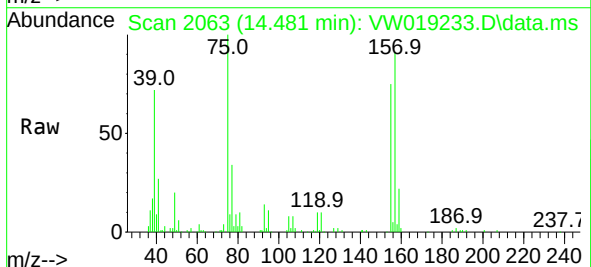
Instrument :  
MSVOA\_W  
ClientSampled :

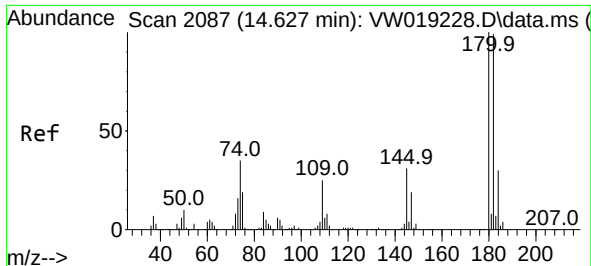
Tgt Ion:146 Resp: 343321  
Ion Ratio Lower Upper  
146 100  
111 42.2 33.2 49.8  
148 60.4 50.4 75.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 20.503 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

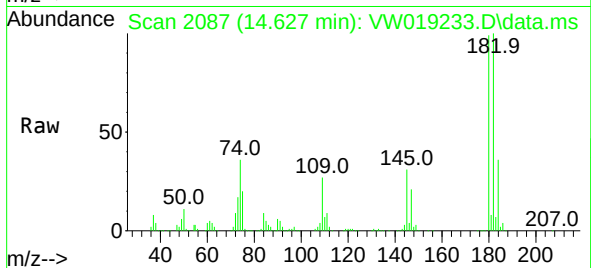
Tgt Ion: 75 Resp: 24301  
Ion Ratio Lower Upper  
75 100  
155 74.9 59.4 89.0  
157 90.9 72.2 108.2



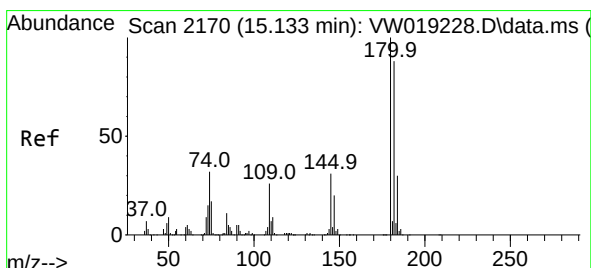
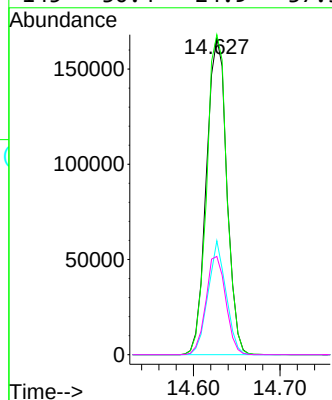
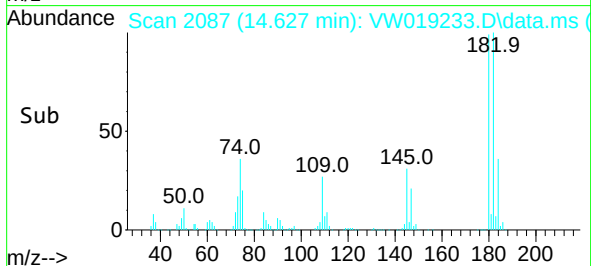


#69  
1,3,5-Trichlorobenzene  
Concen: 23.759 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

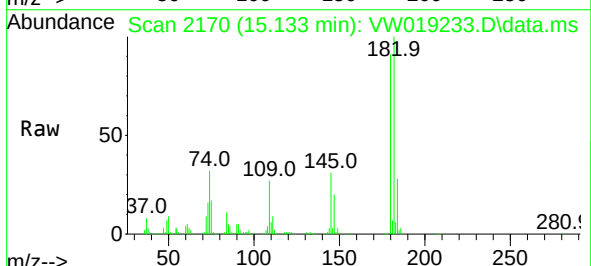
Instrument :  
MSVOA\_W  
ClientSampleId :



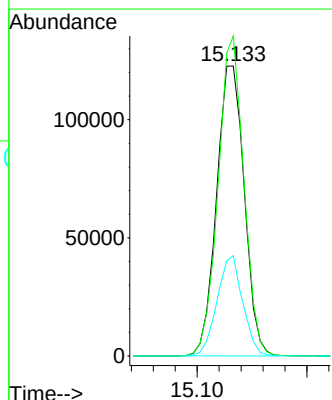
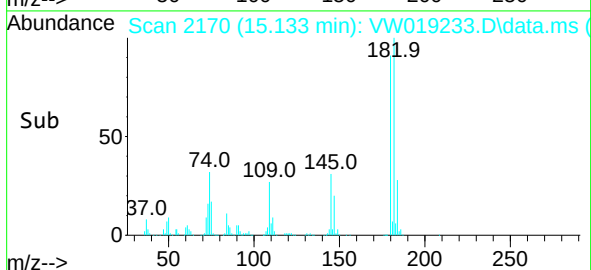
Tgt Ion:180 Resp: 271462  
Ion Ratio Lower Upper  
180 100  
182 99.3 73.4 110.2  
184 31.7 23.6 35.4  
145 30.4 24.9 37.3

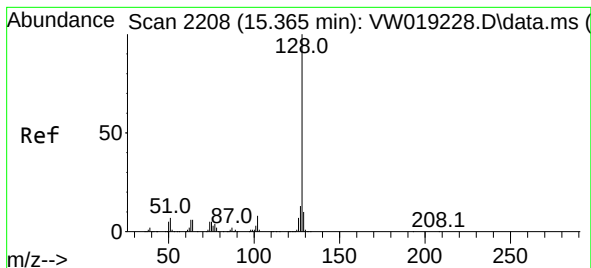


#70  
1,2,4-trichlorobenzene  
Concen: 22.938 ug/L  
RT: 15.133 min Scan# 2170  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04



Tgt Ion:180 Resp: 215089  
Ion Ratio Lower Upper  
180 100  
182 102.6 74.7 112.1  
145 32.0 25.0 37.4

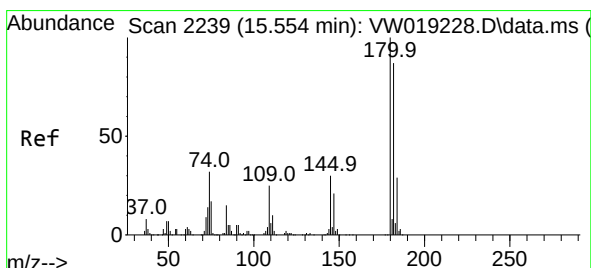
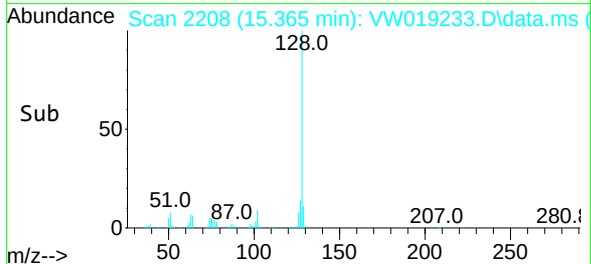
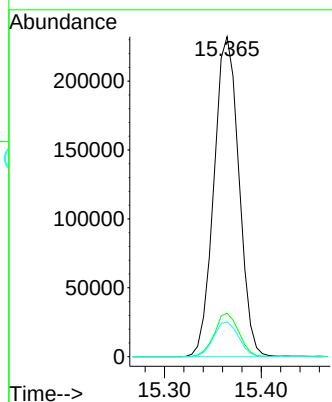
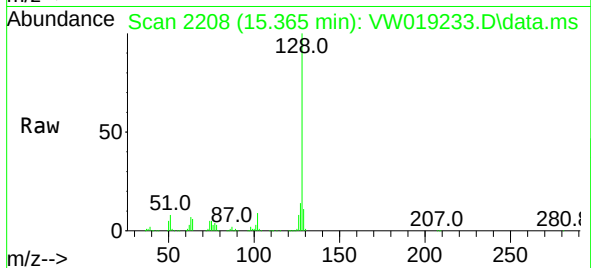




#71  
Naphthalene  
Concen: 22.221 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 415450  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.6 15.8  
129 10.9 9.0 13.6



#72  
1,2,3-Trichlorobenzene  
Concen: 23.389 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: VW019233.D  
Acq: 16 Jun 2021 16:04

Tgt Ion:180 Resp: 194318  
Ion Ratio Lower Upper  
180 100  
182 94.8 76.7 115.1  
145 32.0 28.9 43.3

