

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022423\  
 Data File : VW025369.D  
 Acq On : 24 Feb 2023 12:16  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025545

Quant Time: Feb 27 00:39:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022223SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 22 21:27:06 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 267341   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 238753   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 120559   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 51462    | 22.738   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 90.960%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 38470    | 23.055   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 63    | 145621   | 24.788   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 99.160%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 27017    | 52.621   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 105.240% |
| 24) Chloroform-d              | 7.648  | 84    | 139723   | 27.245   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 109.000% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 74945    | 28.171   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 112.680% |
| 32) Benzene-d6                | 8.276  | 84    | 258745   | 25.573   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 102.280% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 70252    | 24.743   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.960%  |
| 41) Toluene-d8                | 10.325 | 98    | 247678   | 26.257   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 105.040% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 34145    | 26.397   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 105.600% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 22678    | 54.756   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 56510    | 26.586   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 77110    | 25.183   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.720% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 78975    | 23.532   | ug/L   | 95       |
| 3) Chloromethane              | 2.223  | 50    | 64763    | 21.499   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 80144    | 22.853   | ug/L   | 100      |
| 6) Bromomethane               | 2.796  | 94    | 49715    | 22.326   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 44310    | 21.592   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 98617    | 23.174   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 86119    | 23.824   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 80400    | 23.340   | ug/L   | 95       |
| 13) Acetone                   | 4.119  | 43    | 38069    | 44.759   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.387  | 76    | 261209   | 23.248   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 31476    | 22.970   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 92245    | 24.402   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 86295    | 23.897   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 126314   | 24.766   | ug/L # | 90       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 150477   | 23.189   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 89386    | 23.557   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 44600    | 45.207   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 38792    | 23.958   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 165692   | 24.812   | ug/L   | 93       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 22 21:27:06 2023  
 Response via : Initial Calibration

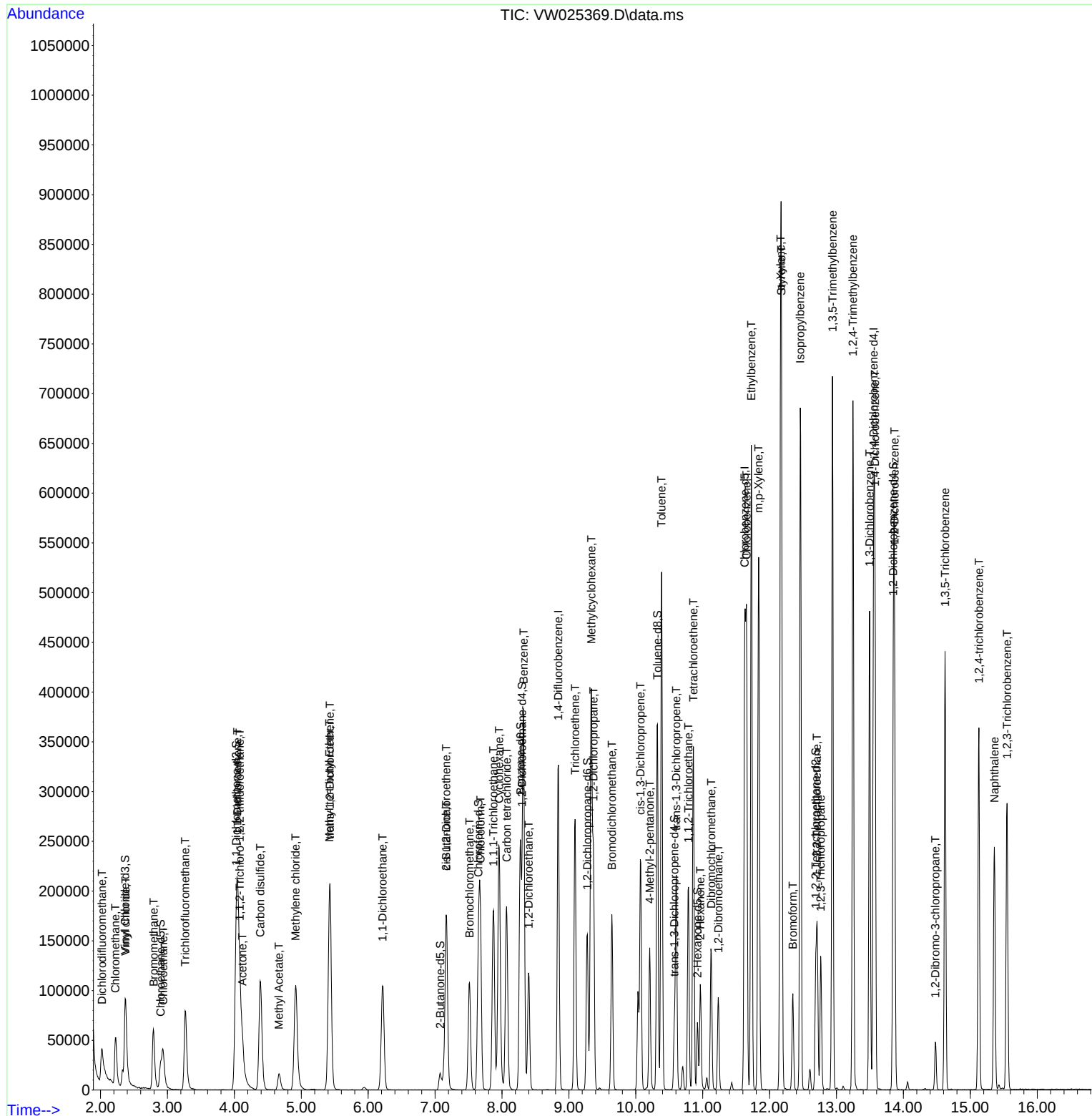
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 114830   | 25.493 | ug/L  | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 138842   | 23.101 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 154827   | 25.034 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 144264   | 24.782 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 341623   | 23.401 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 94945    | 23.288 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 168176   | 23.539 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 80911    | 22.913 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 114943   | 23.997 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 137014   | 23.715 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 84993    | 47.312 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 372204   | 23.683 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 120677   | 24.848 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 63089    | 23.953 | ug/L  | 94       |
| 46) Tetrachloroethene         | 10.861 | 164  | 73739    | 23.952 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.965 | 43   | 62696    | 46.759 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 75270    | 24.740 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 59905    | 23.725 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 238722   | 23.652 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 439048   | 24.108 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 168372   | 24.332 | ug/L  | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 155908   | 24.372 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 267210   | 24.561 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 70783    | 23.541 | ug/L  | 100      |
| 59) Bromoform                 | 12.349 | 173  | 42831    | 23.731 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 444360   | 22.535 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 53399    | 22.356 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 374316   | 23.637 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 361636   | 24.125 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 181719   | 23.568 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 186315   | 24.103 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 165419   | 23.395 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 13577    | 24.600 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 127116   | 24.086 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 102793   | 22.447 | ug/L  | 94       |
| 71) Naphthalene               | 15.360 | 128  | 209709   | 23.816 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 90562    | 23.286 | ug/L  | 96       |

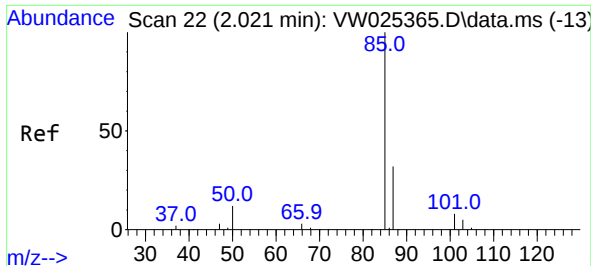
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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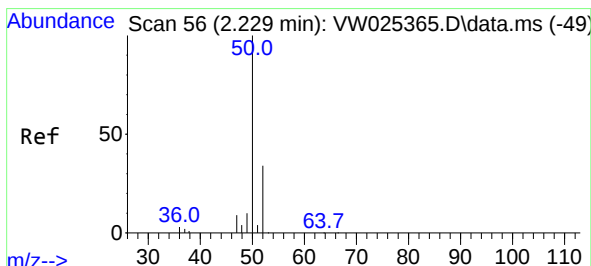
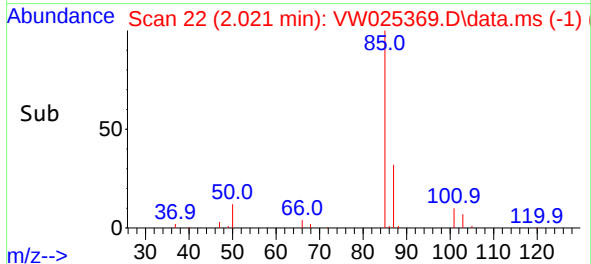
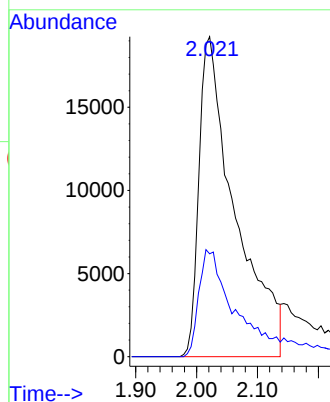
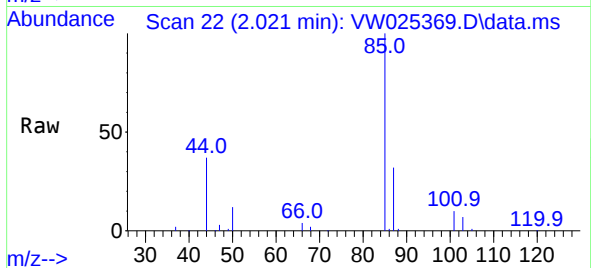




#2  
Dichlorodifluoromethane  
Concen: 23.532 ug/L  
RT: 2.021 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

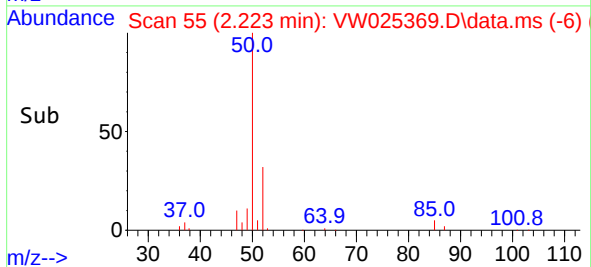
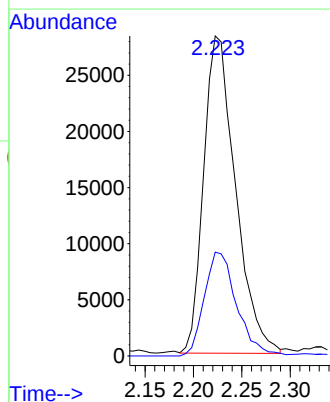
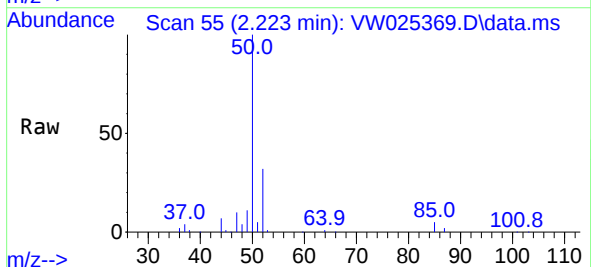
Instrument :  
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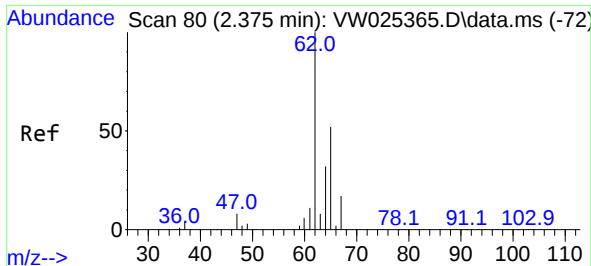
Tgt Ion: 85 Resp: 78975  
Ion Ratio Lower Upper  
85 100  
87 22.9 20.6 30.8



#3  
Chloromethane  
Concen: 21.499 ug/L  
RT: 2.223 min Scan# 55  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 50 Resp: 64763  
Ion Ratio Lower Upper  
50 100  
52 32.5 22.3 41.3

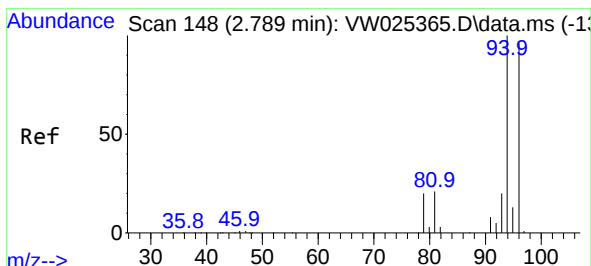
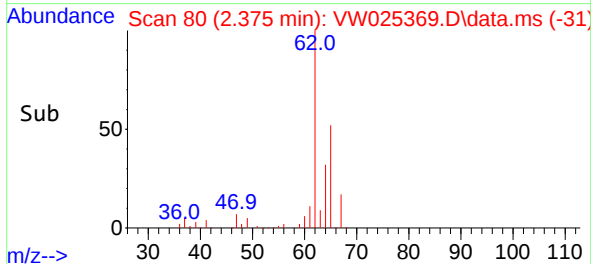
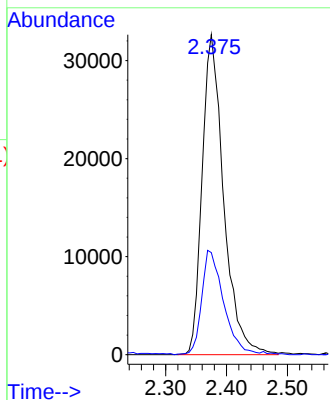
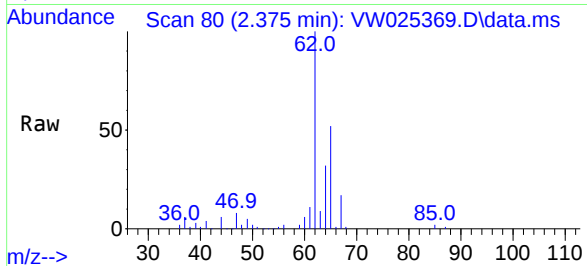




#5  
 Vinyl chloride  
 Concen: 22.853 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW025369.D  
 Acq: 24 Feb 2023 12:16

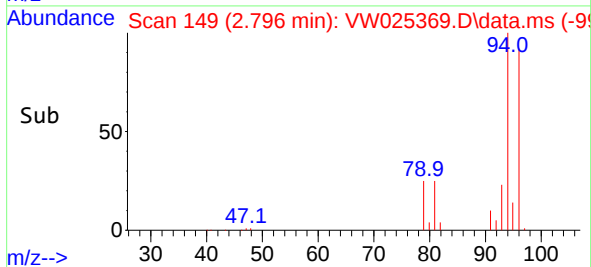
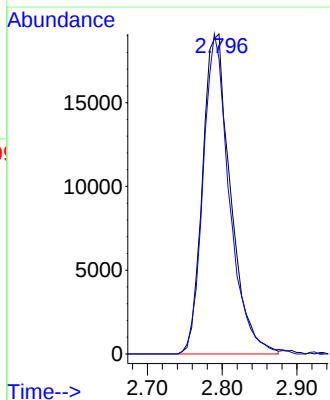
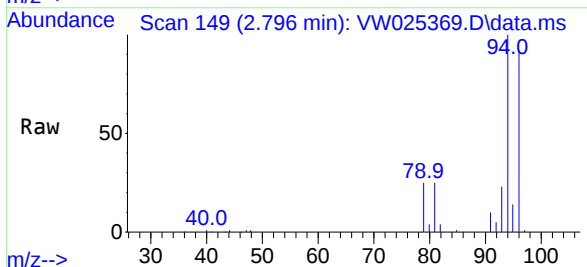
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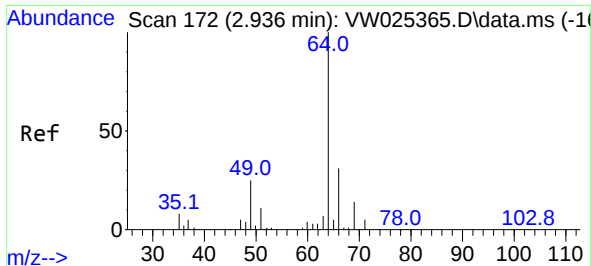
Tgt Ion: 62 Resp: 80144  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.2 41.2



#6  
 Bromomethane  
 Concen: 22.326 ug/L  
 RT: 2.796 min Scan# 149  
 Delta R.T. 0.006 min  
 Lab File: VW025369.D  
 Acq: 24 Feb 2023 12:16

Tgt Ion: 94 Resp: 49715  
 Ion Ratio Lower Upper  
 94 100  
 96 92.3 65.2 121.0

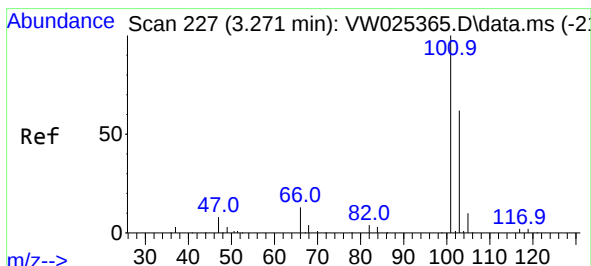
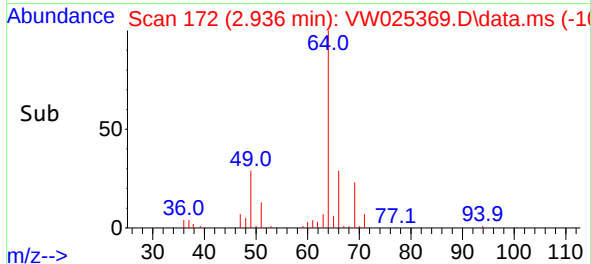
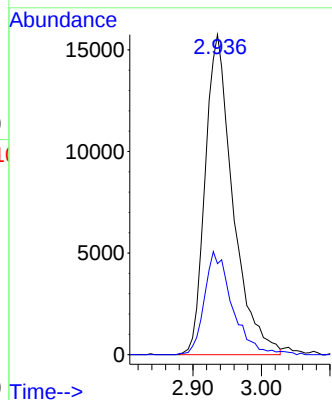
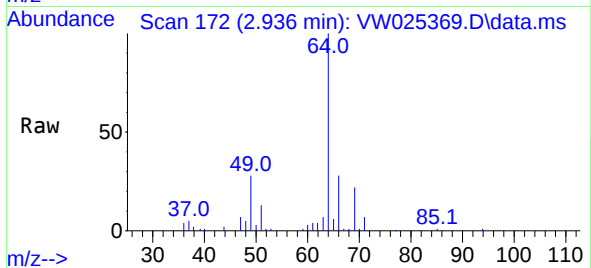




#8  
Chloroethane  
Concen: 21.592 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

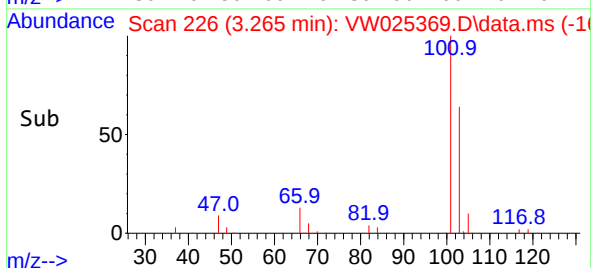
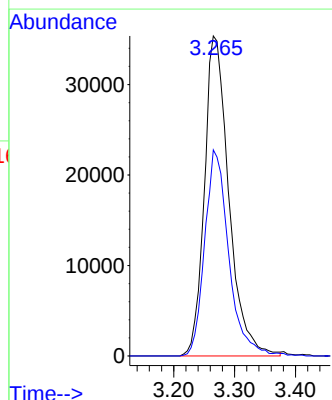
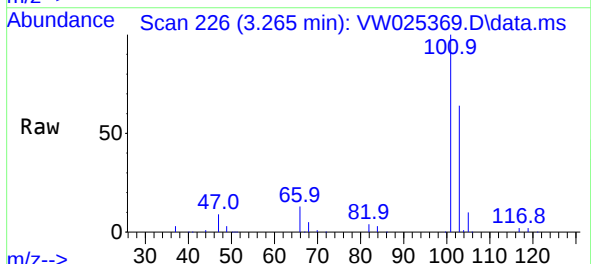
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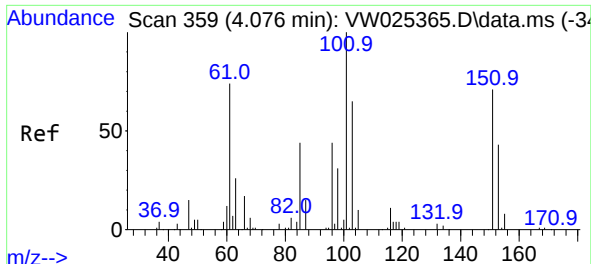
Tgt Ion: 64 Resp: 44310  
Ion Ratio Lower Upper  
64 100  
66 28.5 21.6 40.0



#9  
Trichlorofluoromethane  
Concen: 23.174 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion:101 Resp: 98617  
Ion Ratio Lower Upper  
101 100  
103 63.1 51.4 77.0

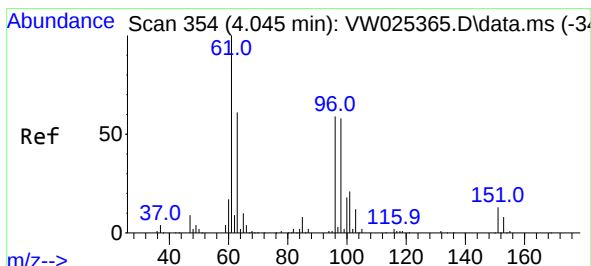
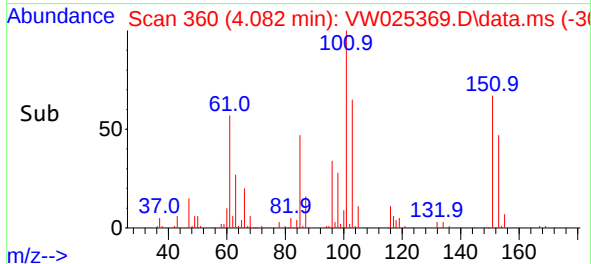
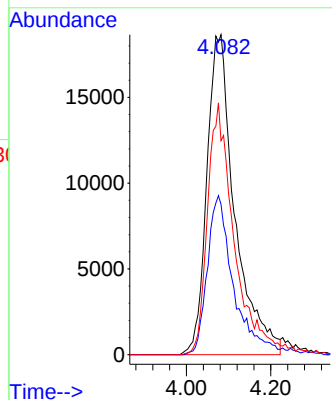
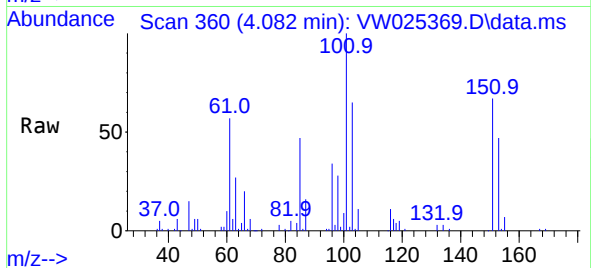




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.824 ug/L  
 RT: 4.082 min Scan# 3  
 Delta R.T. 0.012 min  
 Lab File: VW025369.D  
 Acq: 24 Feb 2023 12:16

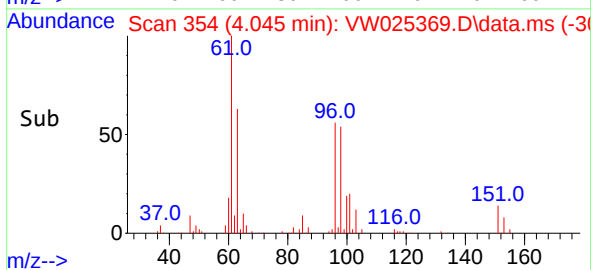
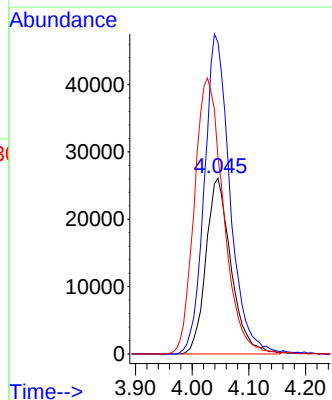
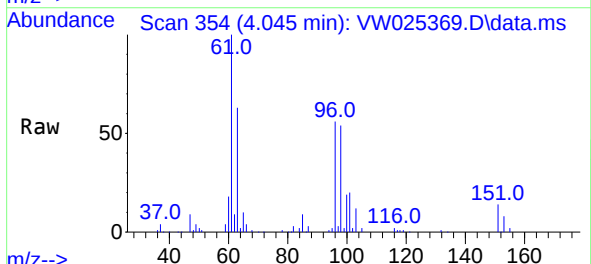
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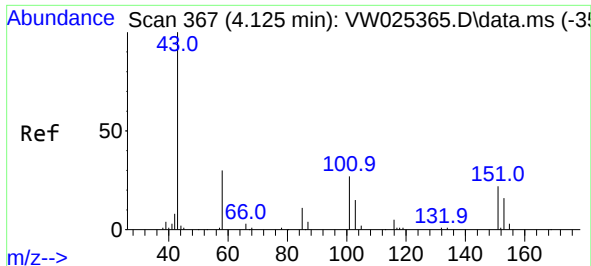
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 Ion Ratio Lower Upper  
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 85 46.3 36.3 54.5  
 151 65.7 52.2 78.4



#12  
 1,1-Dichloroethene  
 Concen: 23.340 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.006 min  
 Lab File: VW025369.D  
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Tgt Ion: 96 Resp: 80400  
 Ion Ratio Lower Upper  
 96 100  
 61 177.5 119.3 221.5  
 63 112.1 74.5 138.5

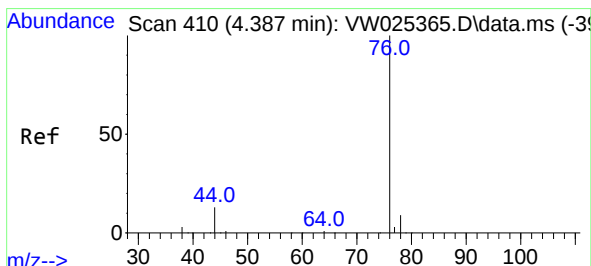
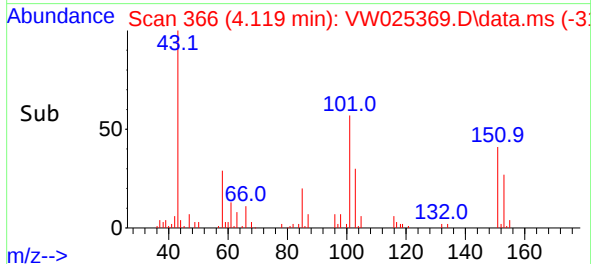
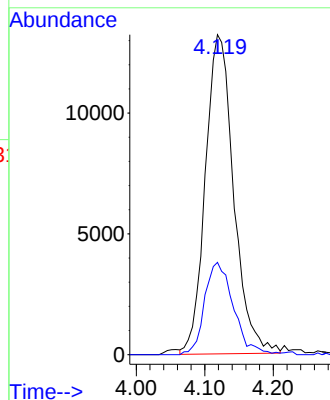
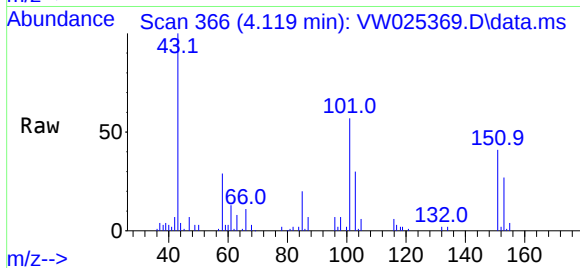




#13  
Acetone  
Concen: 44.759 ug/L  
RT: 4.119 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

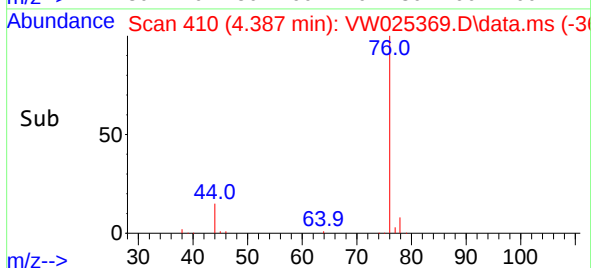
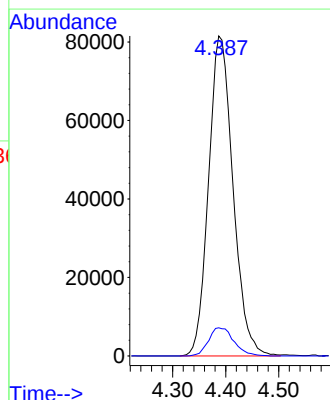
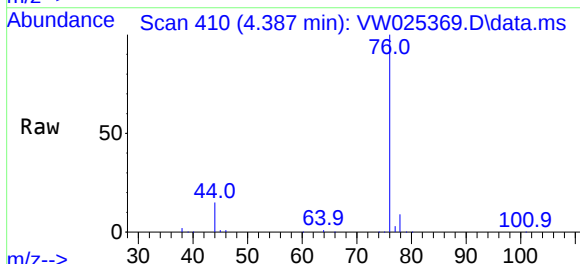
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

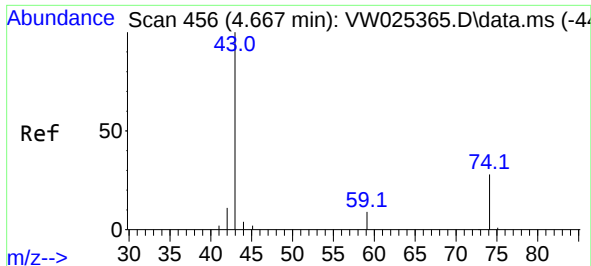
Tgt Ion: 43 Resp: 38069  
Ion Ratio Lower Upper  
43 100  
58 28.0 0.0 61.6



#14  
Carbon disulfide  
Concen: 23.248 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 76 Resp: 261209  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.2 10.8

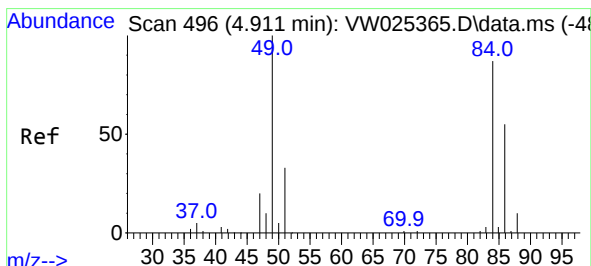
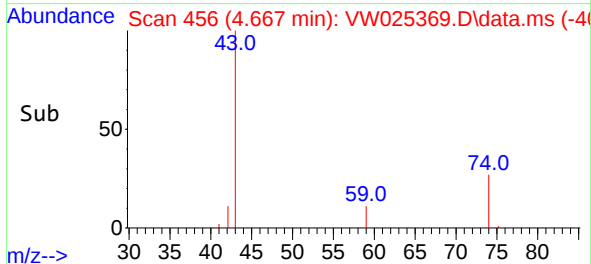
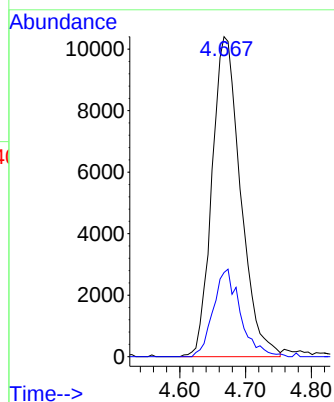
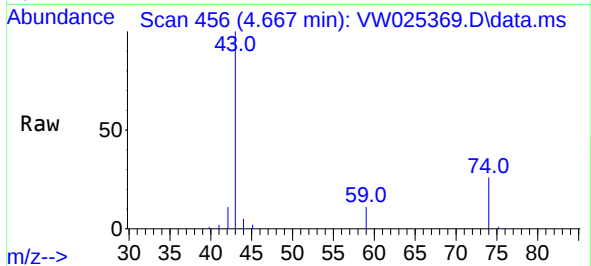




#15  
Methyl Acetate  
Concen: 22.970 ug/L  
RT: 4.667 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

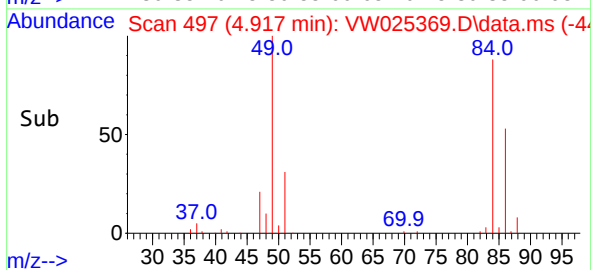
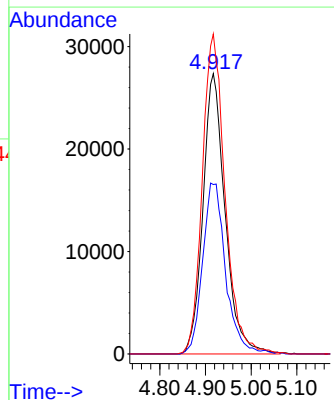
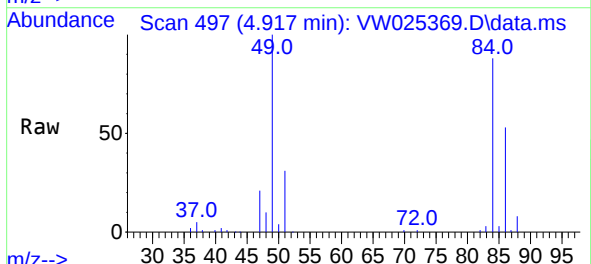
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

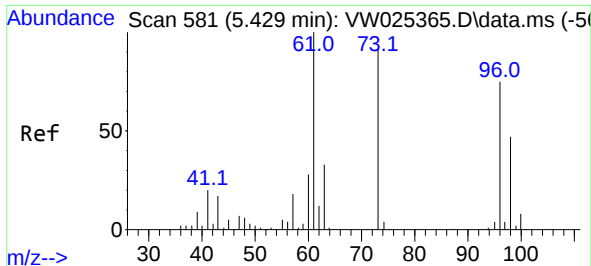
Tgt Ion: 43 Resp: 31476  
Ion Ratio Lower Upper  
43 100  
74 25.8 20.2 30.4



#16  
Methylene chloride  
Concen: 24.402 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 84 Resp: 92245  
Ion Ratio Lower Upper  
84 100  
86 60.5 41.8 77.6  
49 114.2 80.3 149.1

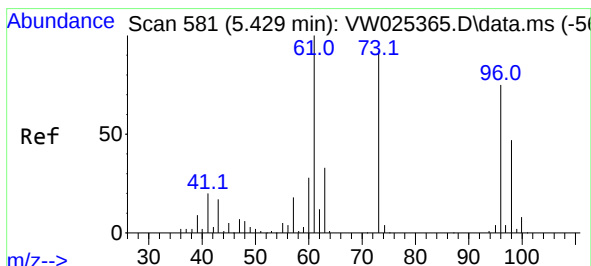
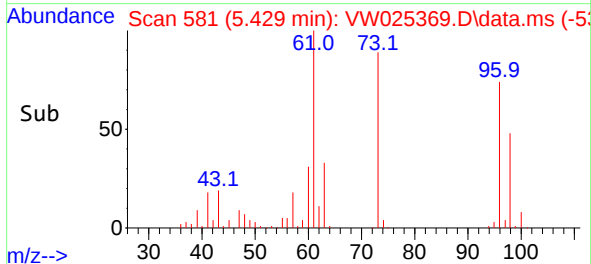
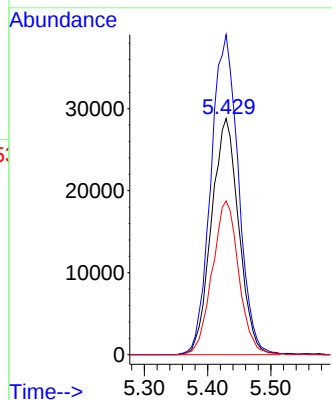
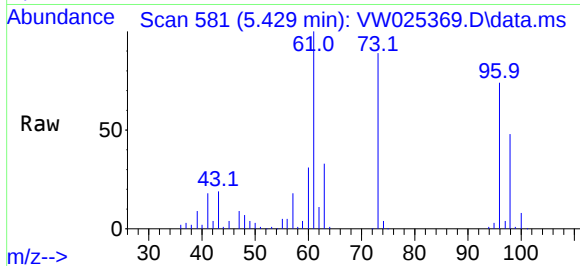




#17  
trans-1,2-Dichloroethene  
Concen: 23.897 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

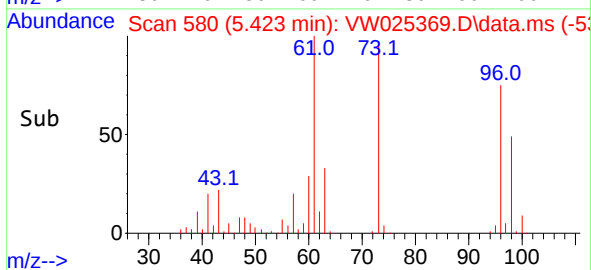
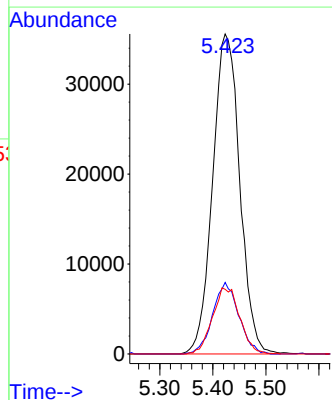
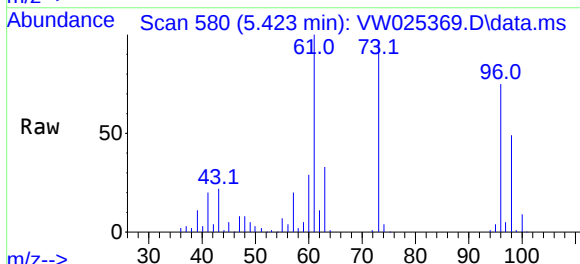
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

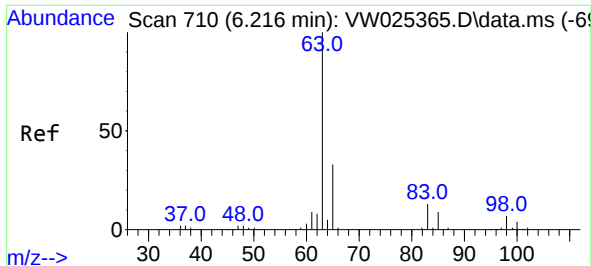
Tgt Ion: 96 Resp: 86295  
Ion Ratio Lower Upper  
96 100  
61 135.5 94.8 176.0  
98 65.1 42.4 78.6



#18  
Methyl tert-butyl Ether  
Concen: 24.766 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 73 Resp: 126314  
Ion Ratio Lower Upper  
73 100  
43 21.4 16.1 24.1  
57 12.7 16.6 25.0#

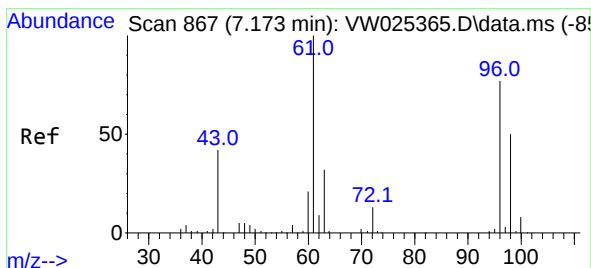
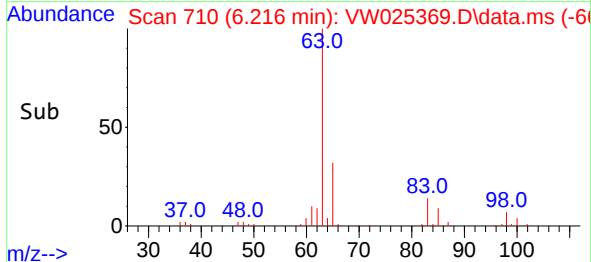
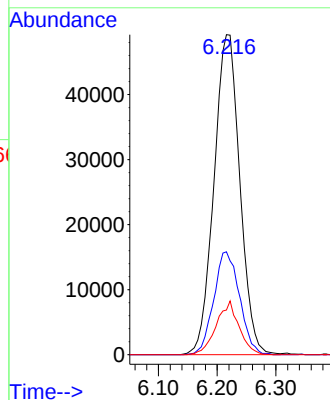
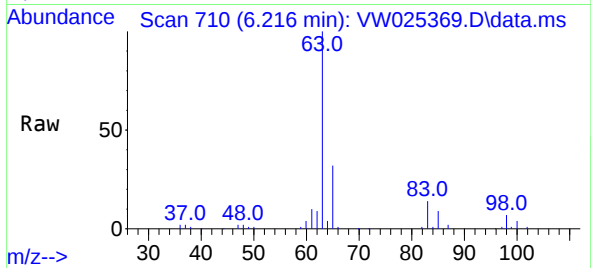




#19  
1,1-Dichloroethane  
Concen: 23.189 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

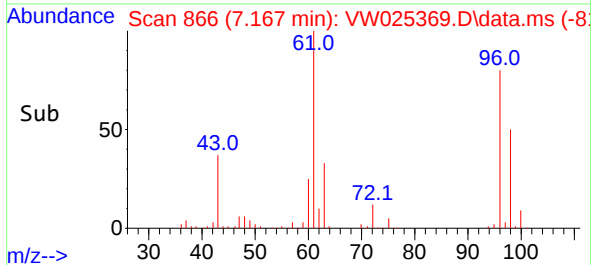
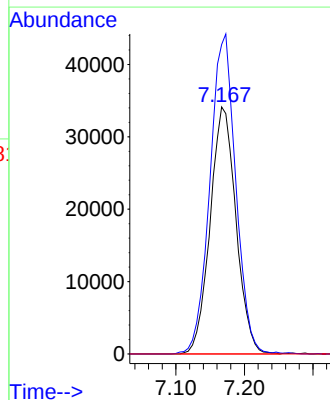
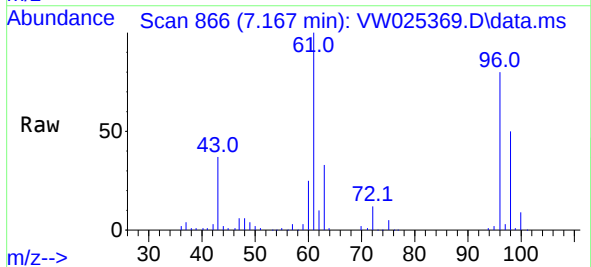
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

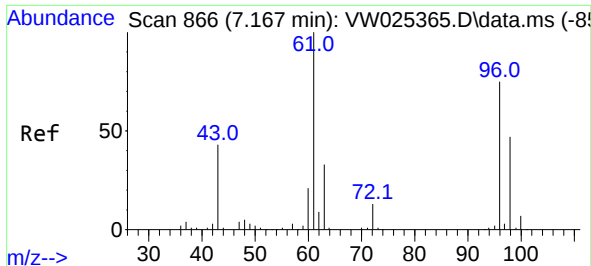
Tgt Ion: 63 Resp: 150477  
Ion Ratio Lower Upper  
63 100  
65 32.1 22.1 41.1  
83 13.9 9.5 17.7



#20  
cis-1,2-Dichloroethene  
Concen: 23.557 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 96 Resp: 89386  
Ion Ratio Lower Upper  
96 100  
61 125.3 90.9 168.9  
68 0.0 0.0 0.0

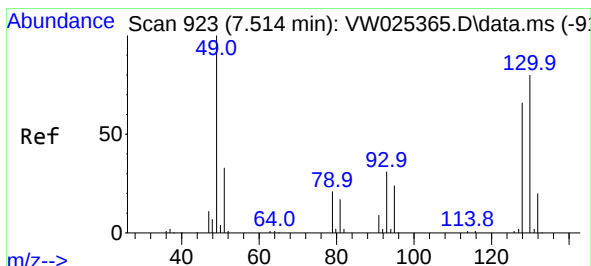
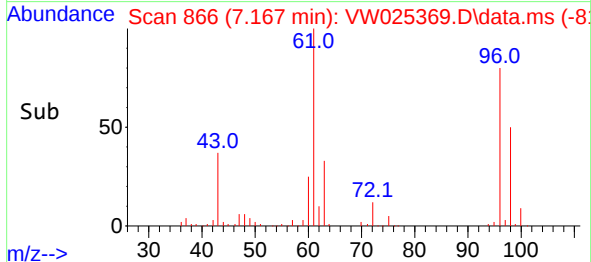
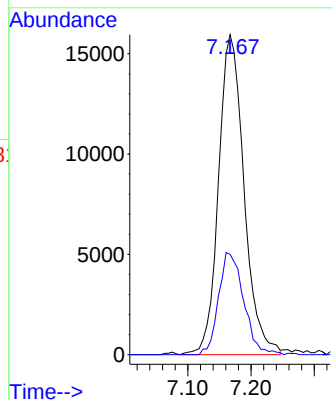
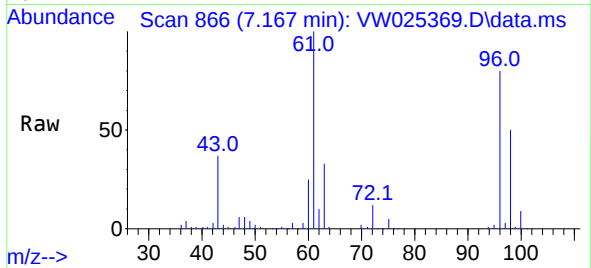




#22  
2-Butanone  
Concen: 45.207 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

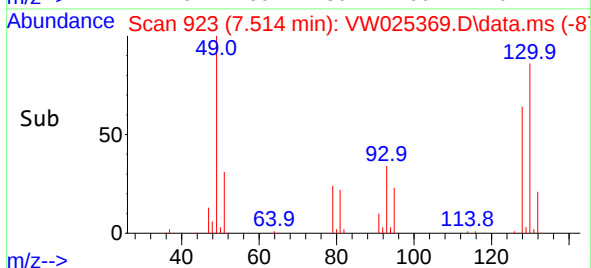
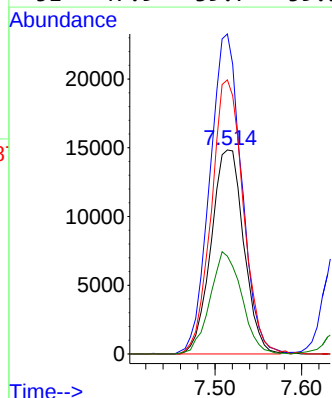
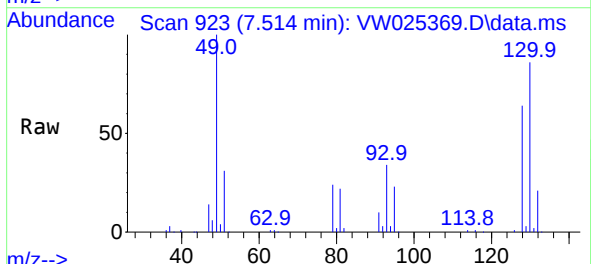
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

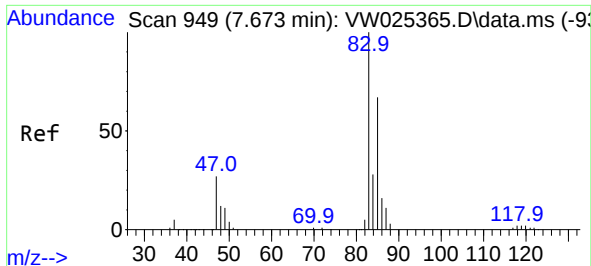
Tgt Ion: 43 Resp: 44600  
Ion Ratio Lower Upper  
43 100  
72 31.4 15.0 45.1



#23  
Bromochloromethane  
Concen: 23.958 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 128 Resp: 38792  
Ion Ratio Lower Upper  
128 100  
49 156.9 102.4 190.2  
130 134.3 90.1 167.3  
51 47.9 39.7 59.5

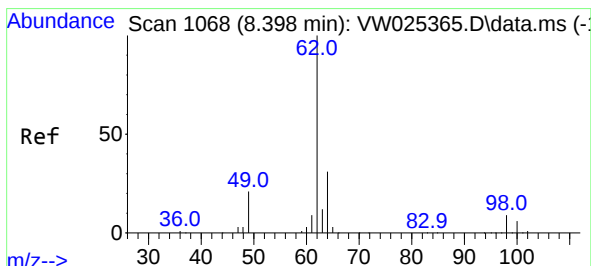
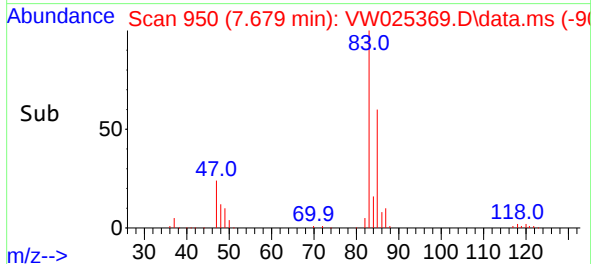
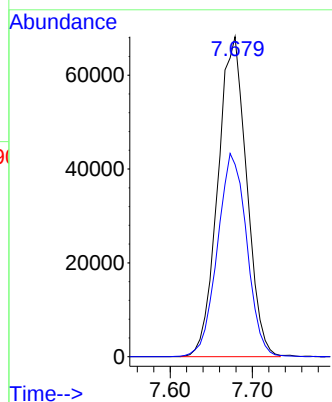
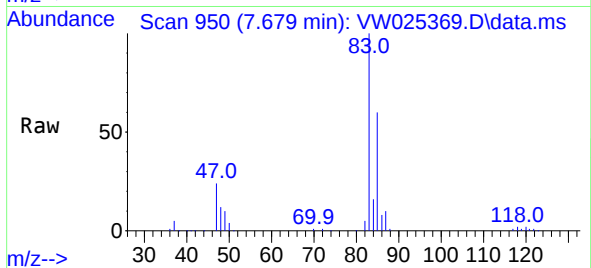




#25  
Chloroform  
Concen: 24.812 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

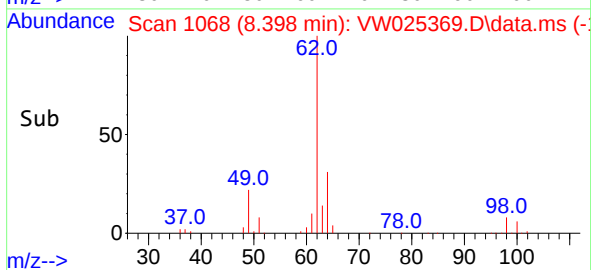
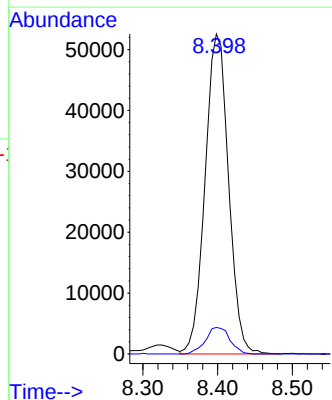
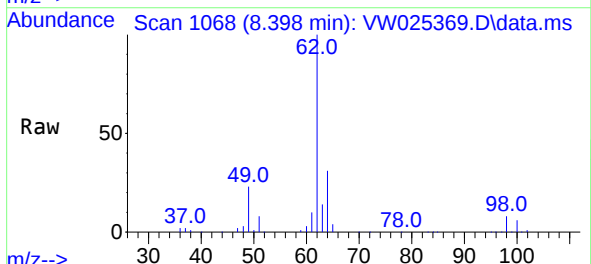
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

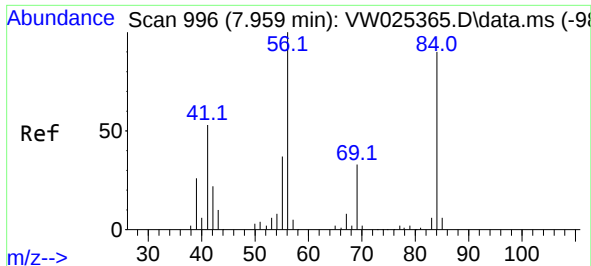
Tgt Ion: 83 Resp: 165692  
Ion Ratio Lower Upper  
83 100  
85 60.0 45.9 85.3



#27  
1,2-Dichloroethane  
Concen: 25.493 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 62 Resp: 114830  
Ion Ratio Lower Upper  
62 100  
98 8.3 7.4 11.0

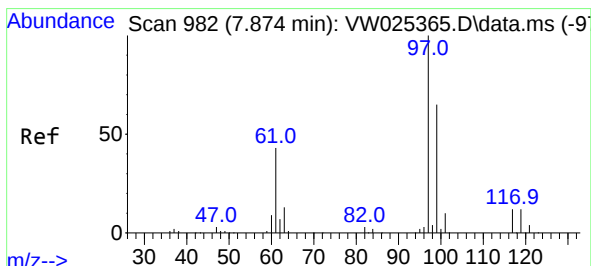
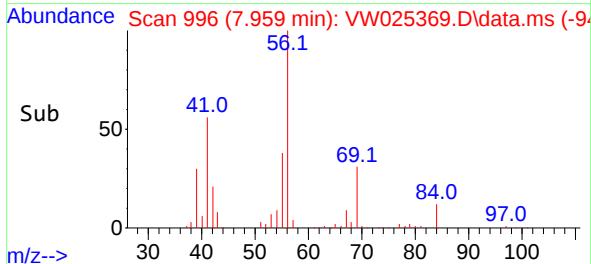
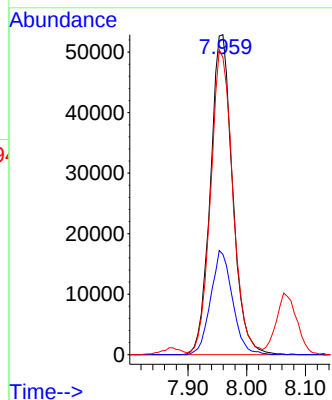
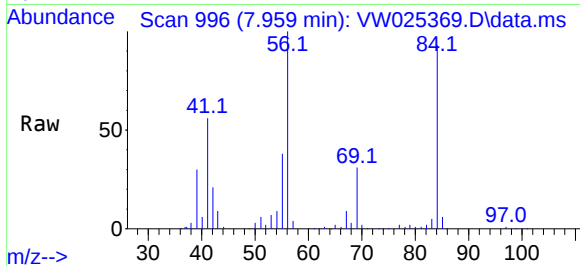




#29  
Cyclohexane  
Concen: 23.101 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

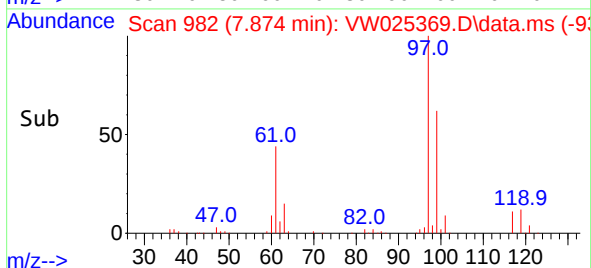
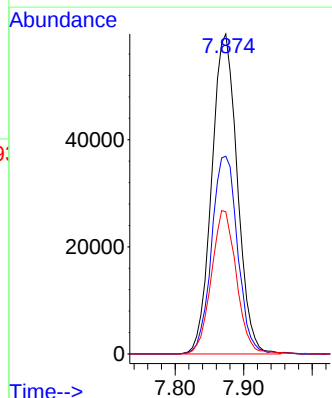
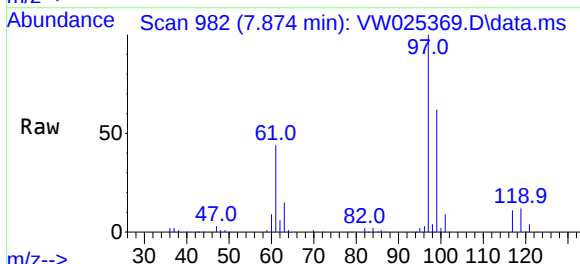
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

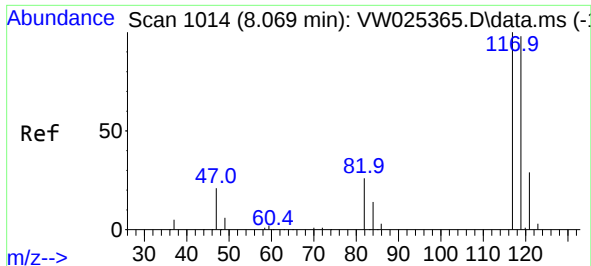
Tgt Ion: 56 Resp: 138842  
Ion Ratio Lower Upper  
56 100  
69 32.0 25.9 38.9  
84 95.3 74.6 111.8



#30  
1,1,1-Trichloroethane  
Concen: 25.034 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 97 Resp: 154827  
Ion Ratio Lower Upper  
97 100  
99 62.6 51.6 77.4  
61 44.1 35.1 52.7

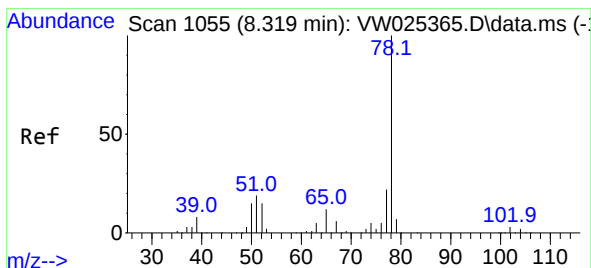
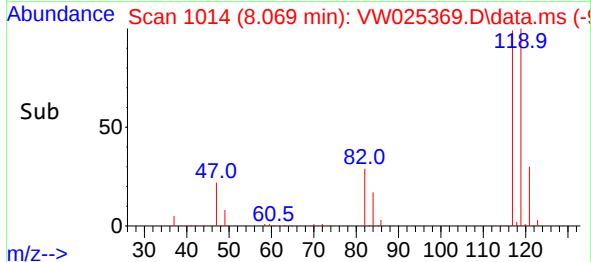
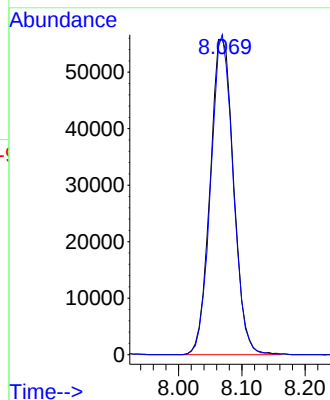
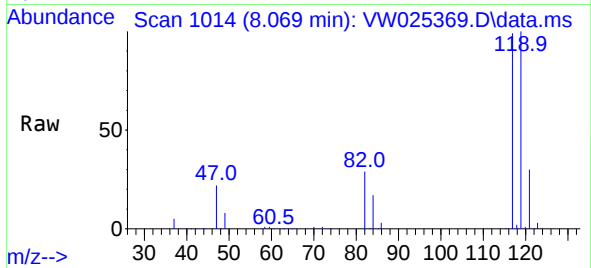




#31  
Carbon tetrachloride  
Concen: 24.782 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

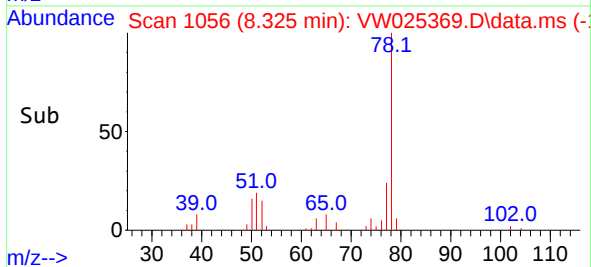
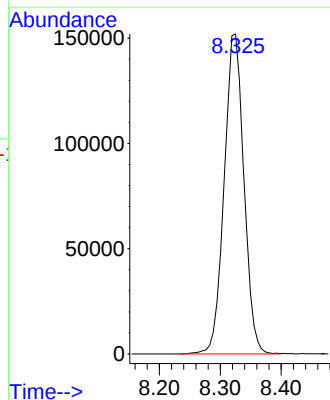
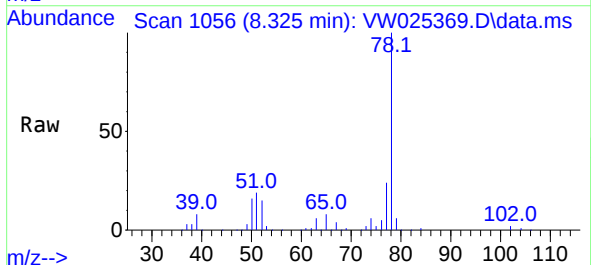
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

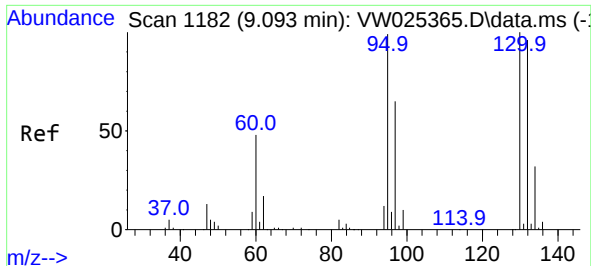
Tgt Ion:117 Resp: 144264  
Ion Ratio Lower Upper  
117 100  
119 96.4 76.3 114.5



#33  
Benzene  
Concen: 23.401 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 78 Resp: 341623

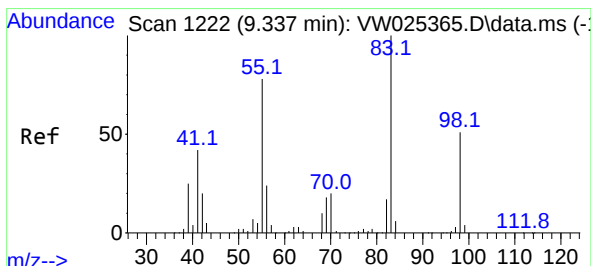
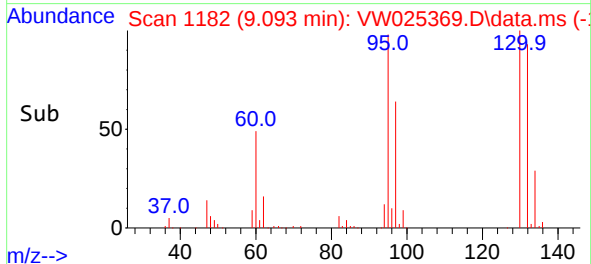
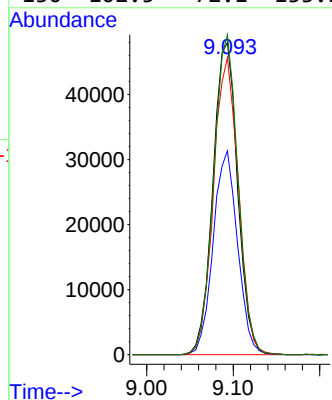
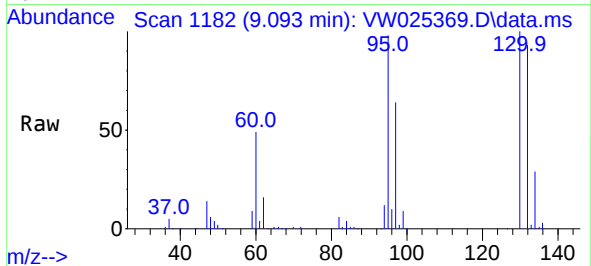




#34  
Trichloroethene  
Concen: 23.288 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

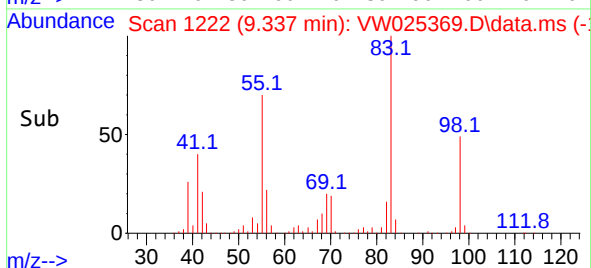
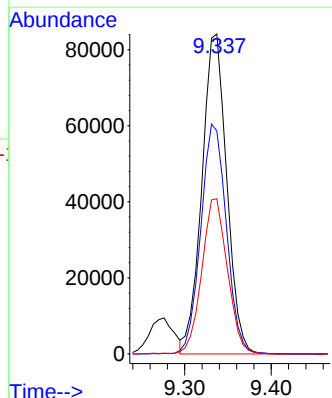
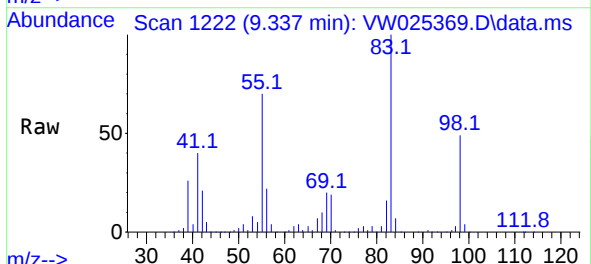
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

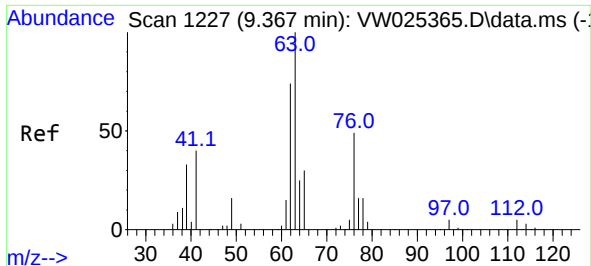
Tgt Ion: 95 Resp: 94945  
Ion Ratio Lower Upper  
95 100  
97 65.3 46.3 85.9  
132 95.1 69.3 128.7  
130 102.5 72.1 133.9



#35  
Methylcyclohexane  
Concen: 23.539 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 83 Resp: 168176  
Ion Ratio Lower Upper  
83 100  
55 73.6 58.4 87.6  
98 49.9 39.1 58.7

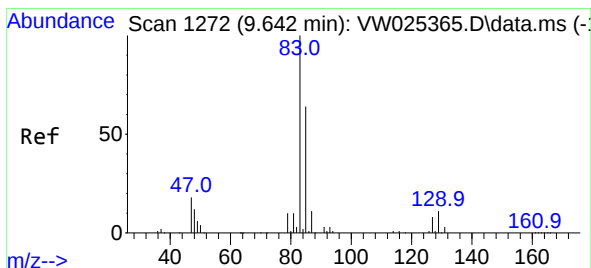
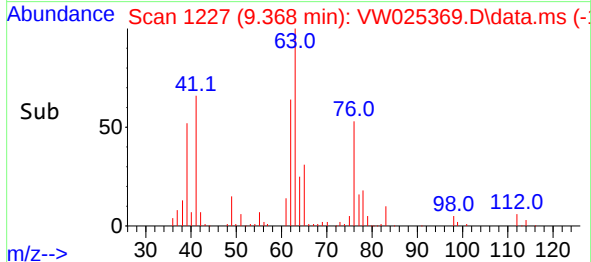
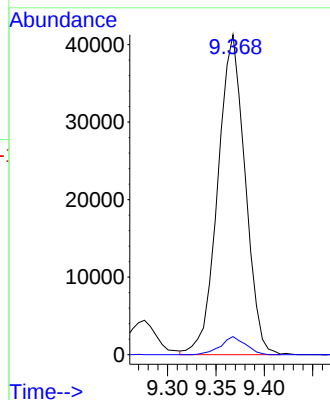
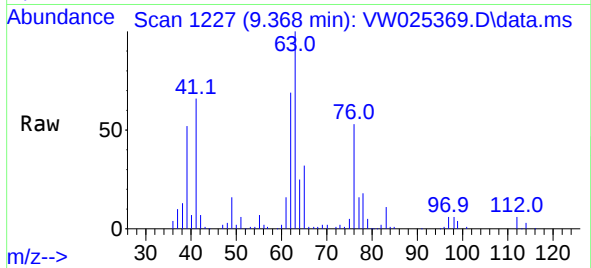




#37  
1,2-Dichloropropane  
Concen: 22.913 ug/L  
RT: 9.368 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

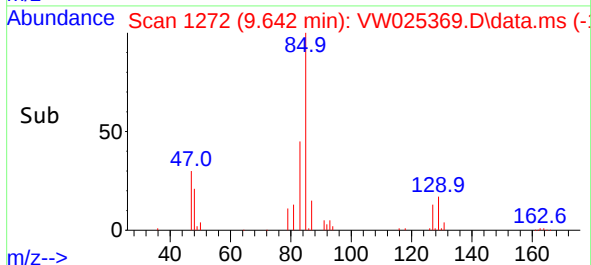
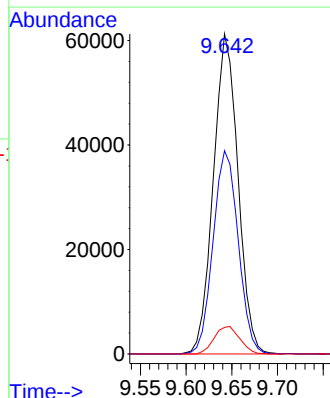
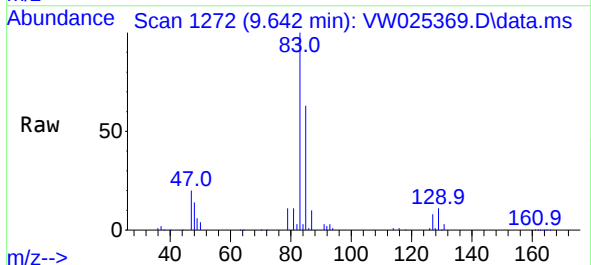
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

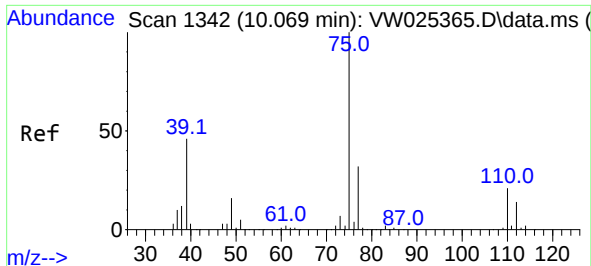
Tgt Ion: 63 Resp: 80911  
Ion Ratio Lower Upper  
63 100  
112 5.1 3.9 5.9



#38  
Bromodichloromethane  
Concen: 23.997 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 83 Resp: 114943  
Ion Ratio Lower Upper  
83 100  
85 63.5 46.0 85.4  
127 8.3 6.3 9.5

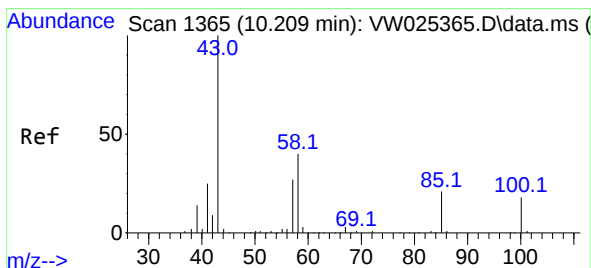
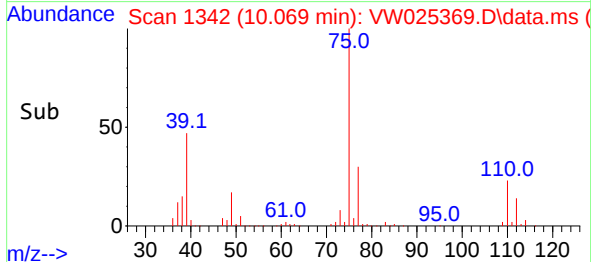
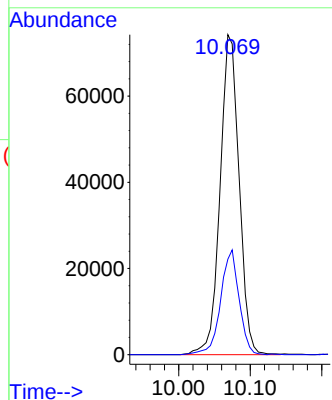
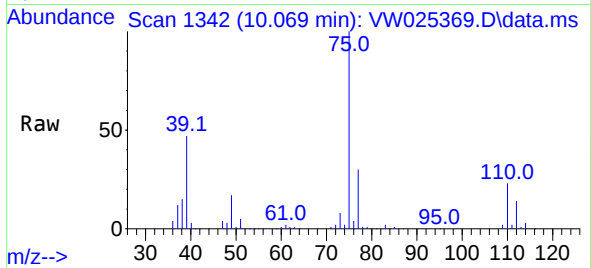




#39  
cis-1,3-Dichloropropene  
Concen: 23.715 ug/L  
RT: 10.069 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

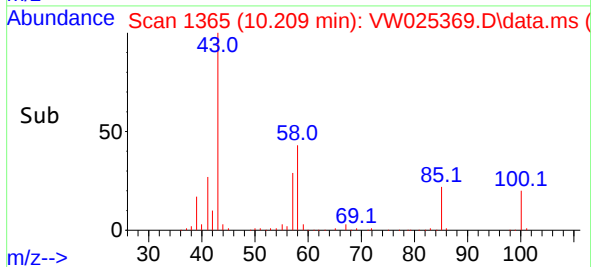
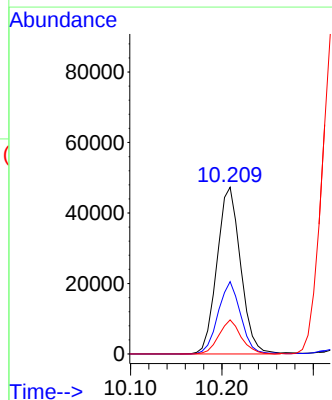
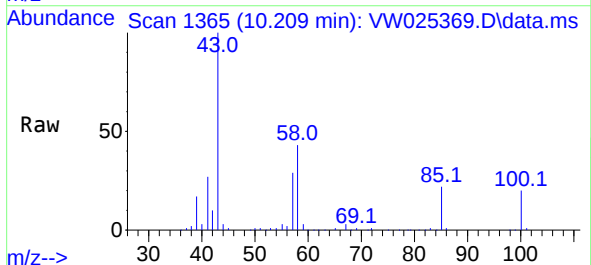
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

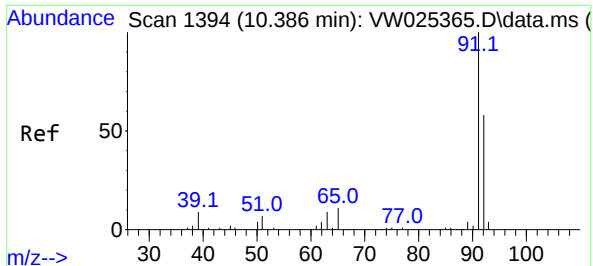
Tgt Ion: 75 Resp: 137014  
Ion Ratio Lower Upper  
75 100  
77 29.8 21.6 40.2



#40  
4-Methyl-2-pentanone  
Concen: 47.312 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 43 Resp: 84993  
Ion Ratio Lower Upper  
43 100  
58 41.6 33.9 50.9  
100 19.2 14.8 22.2





#42

Toluene

Concen: 23.683 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW025369.D

Acq: 24 Feb 2023 12:16

Instrument :

MSVOA\_W

ClientSampleId :

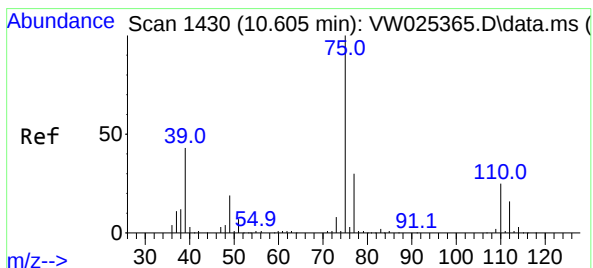
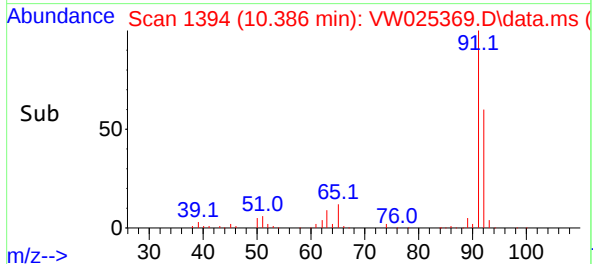
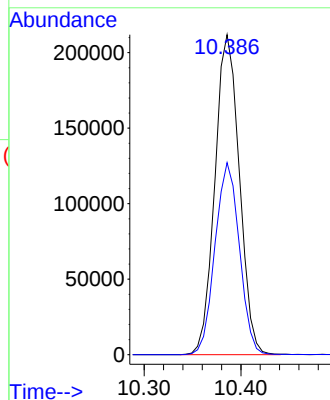
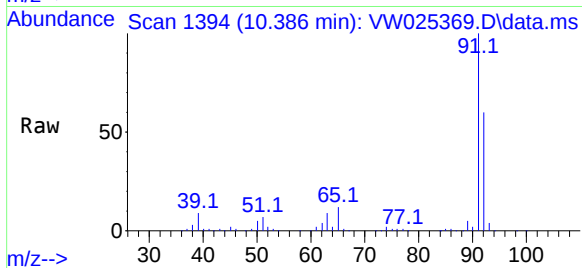
VSTD025545

Tgt Ion: 91 Resp: 372204

Ion Ratio Lower Upper

91 100

92 60.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 24.848 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW025369.D

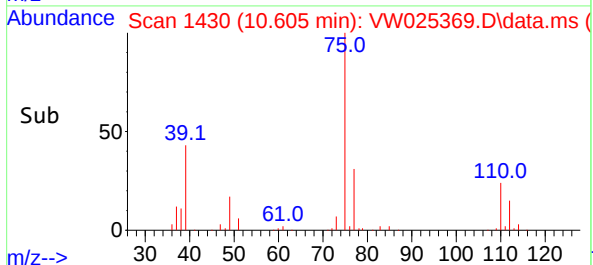
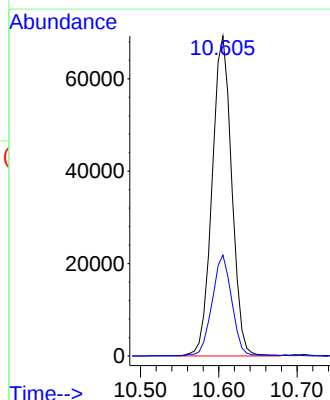
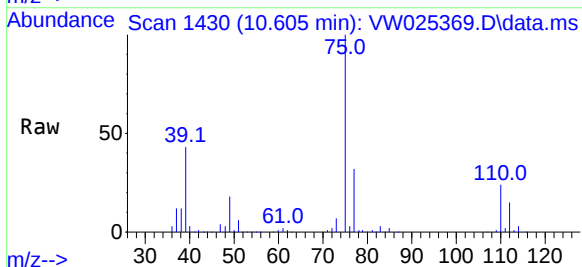
Acq: 24 Feb 2023 12:16

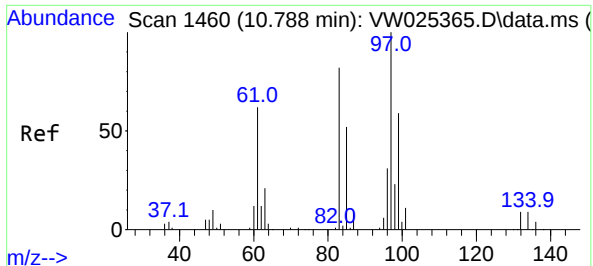
Tgt Ion: 75 Resp: 120677

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7



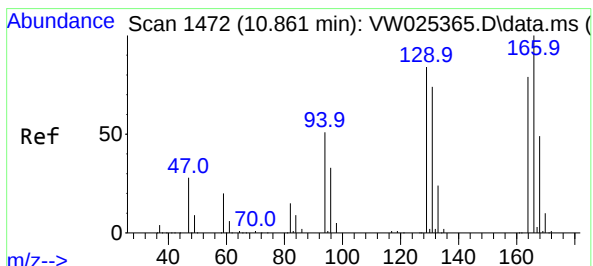
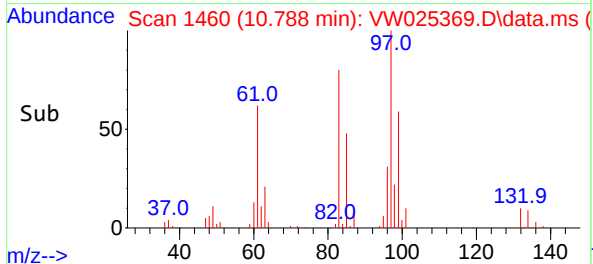
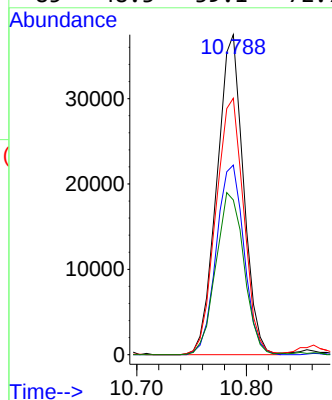
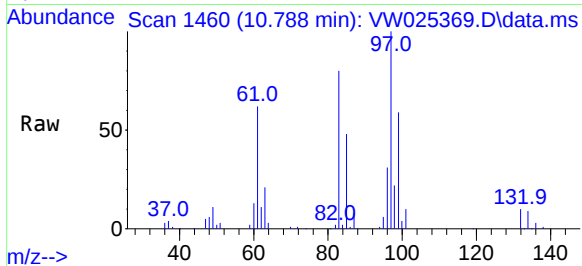


#45  
1,1,2-Trichloroethane  
Concen: 23.953 ug/L  
RT: 10.788 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

Tgt Ion: 97 Resp: 63089

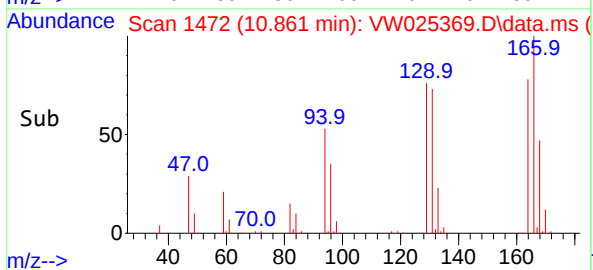
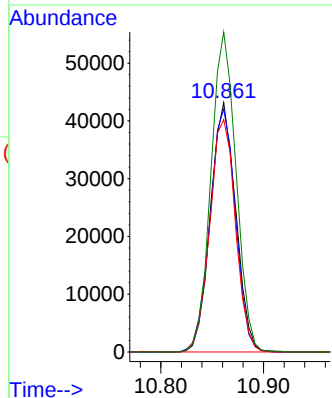
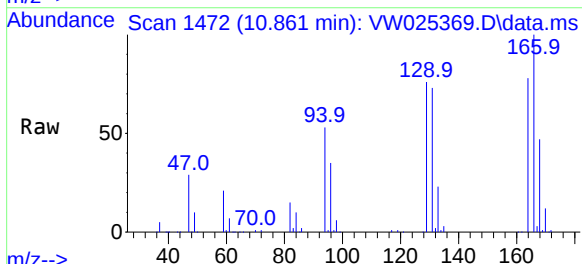
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 59.2  | 42.6  | 79.0  |
| 83  | 80.2  | 59.3  | 110.1 |
| 85  | 48.3  | 39.1  | 72.7  |

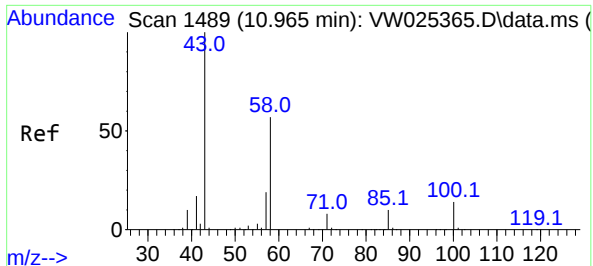


#46  
Tetrachloroethene  
Concen: 23.952 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 164 Resp: 73739

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.4  | 69.6  | 129.2 |
| 131 | 93.2  | 67.4  | 125.2 |
| 166 | 128.3 | 88.5  | 164.3 |

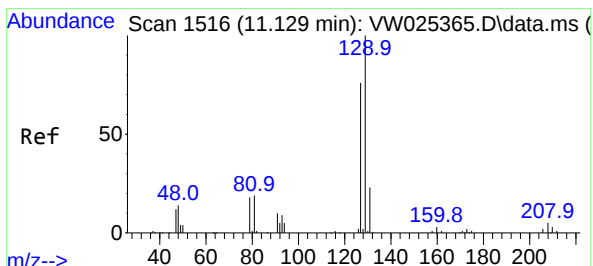
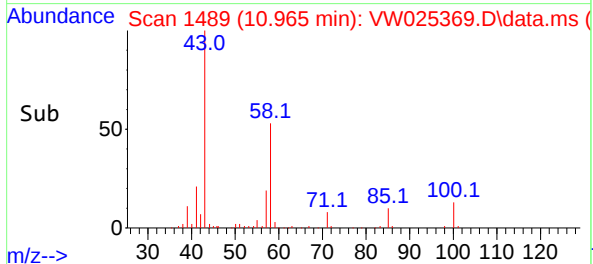
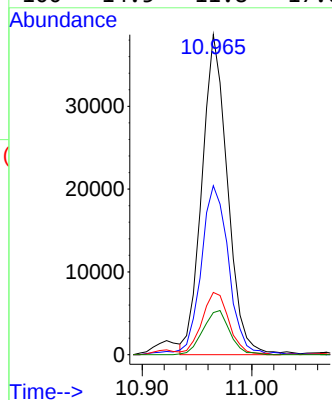
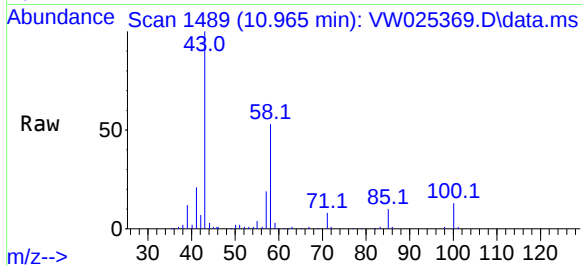




#48  
2-Hexanone  
Concen: 46.759 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

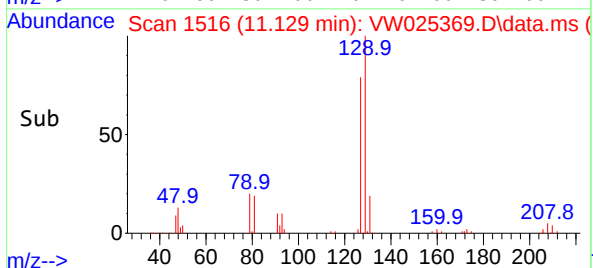
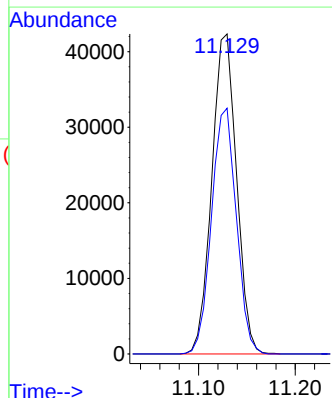
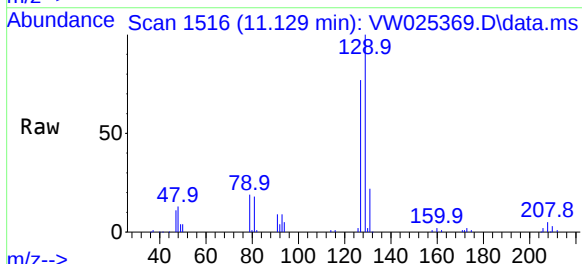
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

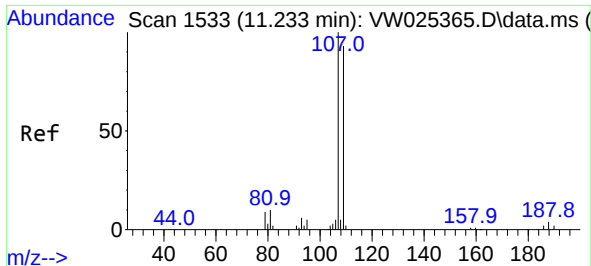
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 62696 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 56.2  | 47.0  | 70.4  |
| 57       | 20.6  | 17.0  | 25.4  |
| 100      | 14.5  | 11.8  | 17.6  |



#49  
Dibromochloromethane  
Concen: 24.740 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 75270 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 76.8  | 55.3  | 102.7 |





#50

1,2-Dibromoethane

Concen: 23.725 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW025369.D

Acq: 24 Feb 2023 12:16

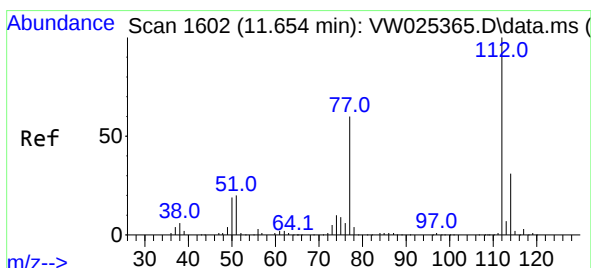
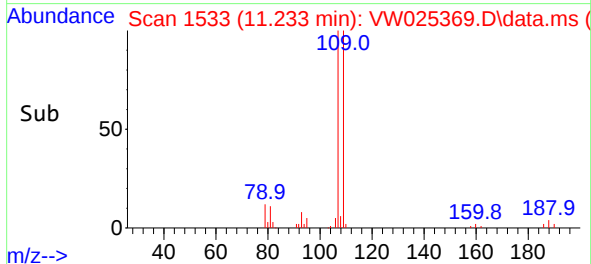
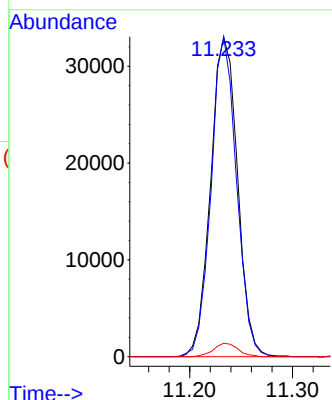
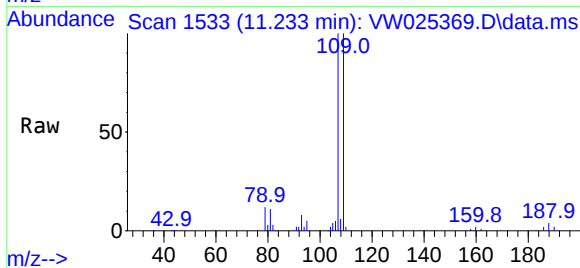
Instrument :

MSVOA\_W

ClientSampleId :

VSTD025545

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 59905 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 100.2 | 65.9  | 122.5 |
| 188      | 4.2   | 2.9   | 4.3   |



#51

Chlorobenzene

Concen: 23.652 ug/L

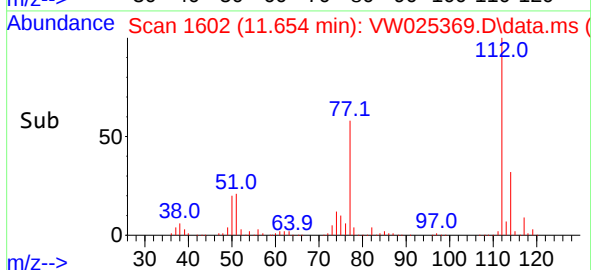
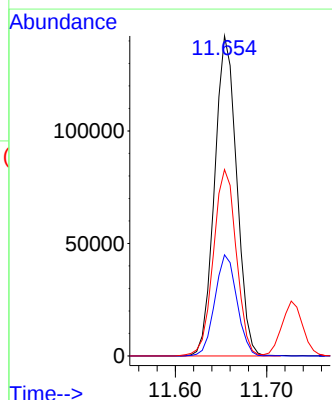
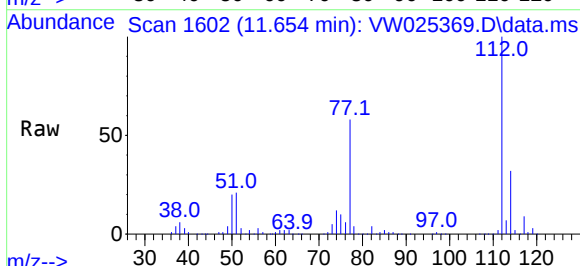
RT: 11.654 min Scan# 1602

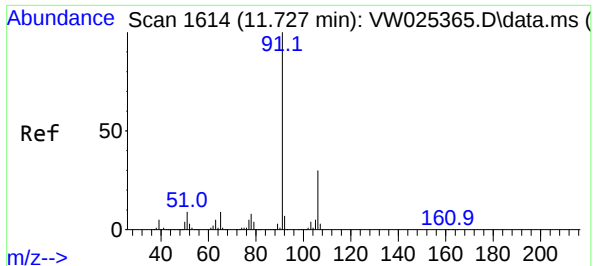
Delta R.T. 0.000 min

Lab File: VW025369.D

Acq: 24 Feb 2023 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 238722 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.6  | 22.2  | 41.2   |
| 77       | 58.2  | 48.2  | 72.2   |

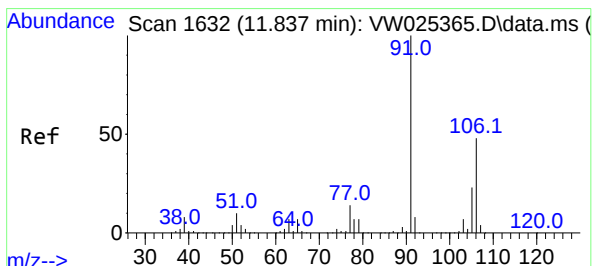
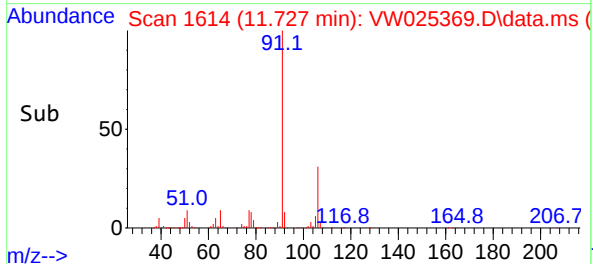
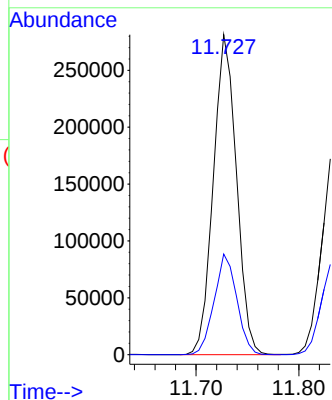
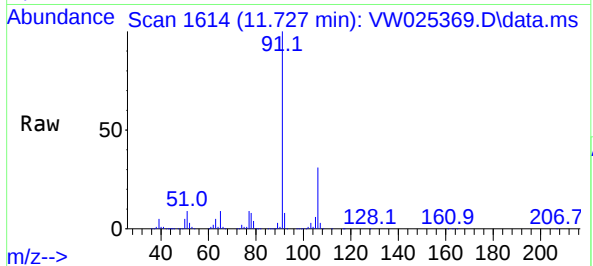




#52  
Ethylbenzene  
Concen: 24.108 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

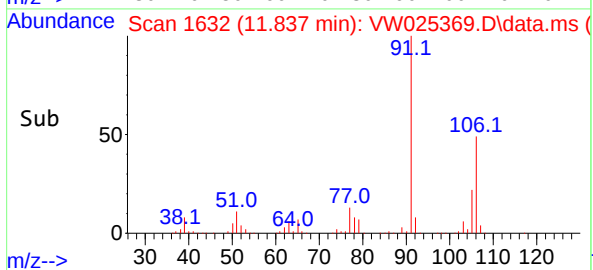
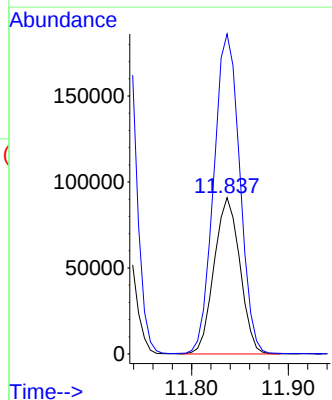
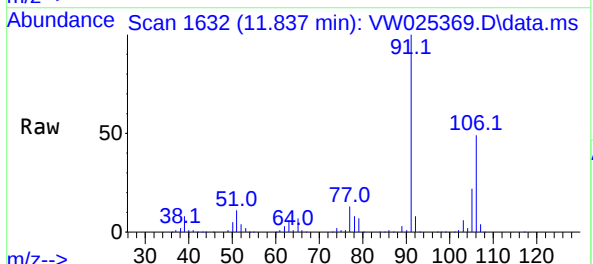
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

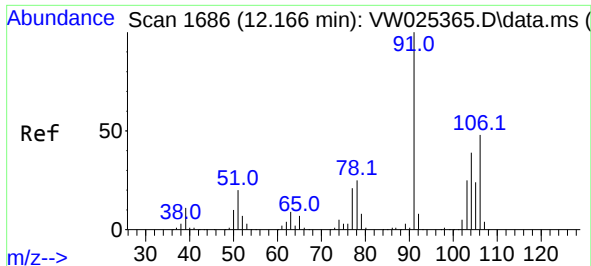
Tgt Ion: 91 Resp: 439048  
Ion Ratio Lower Upper  
91 100  
106 31.5 21.3 39.6



#53  
m,p-Xylene  
Concen: 24.332 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 106 Resp: 168372  
Ion Ratio Lower Upper  
106 100  
91 204.6 144.1 267.7

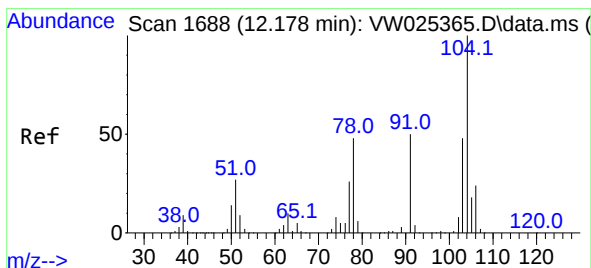
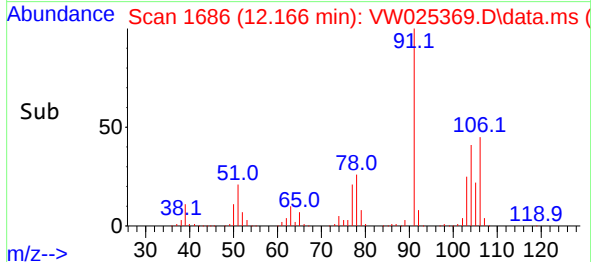
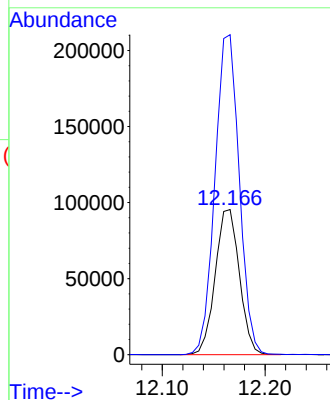
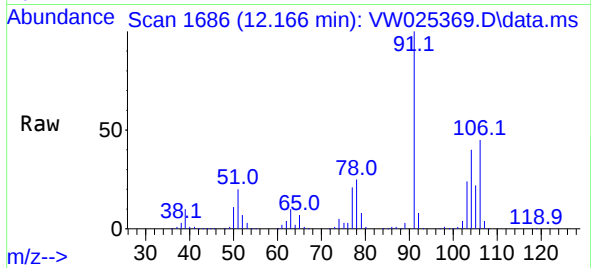




#54  
o-Xylene  
Concen: 24.372 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

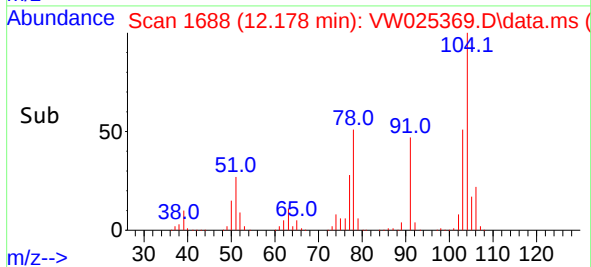
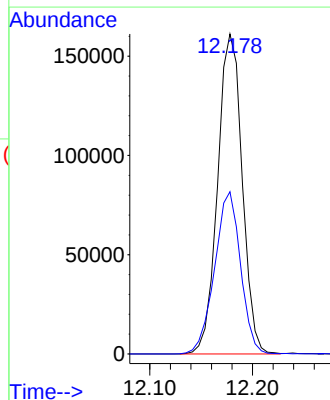
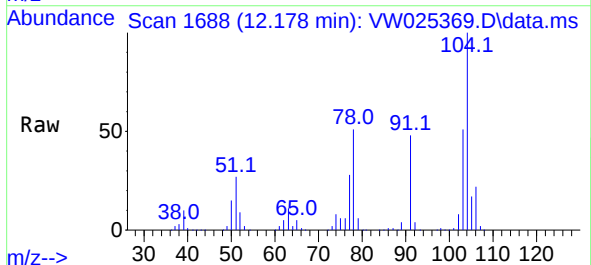
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

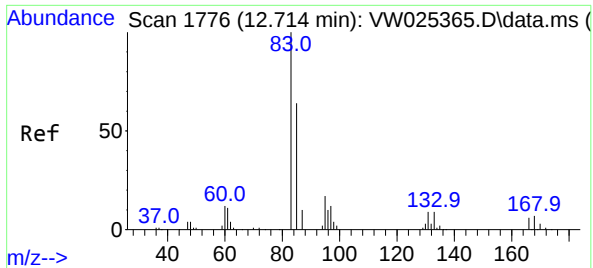
Tgt Ion:106 Resp: 155908  
Ion Ratio Lower Upper  
106 100  
91 220.4 157.1 291.7



#55  
Styrene  
Concen: 24.561 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion:104 Resp: 267210  
Ion Ratio Lower Upper  
104 100  
78 50.7 36.6 68.0



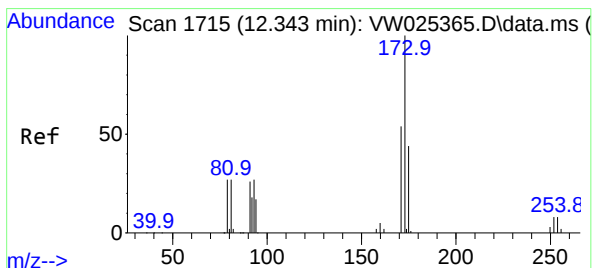
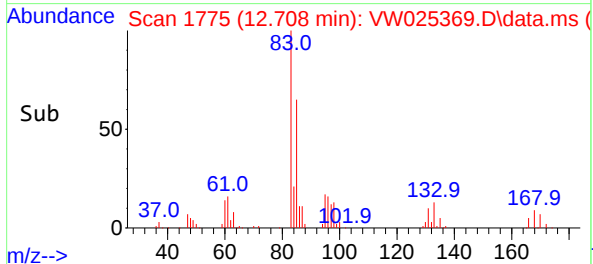
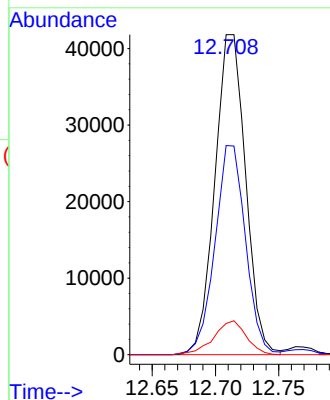
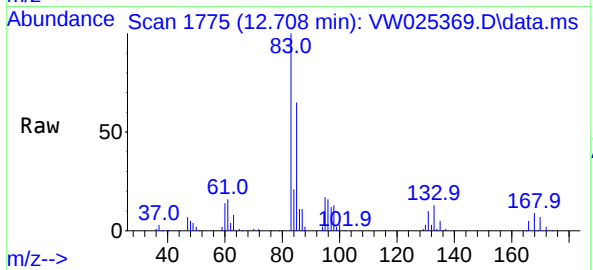


#57  
1,1,2,2-Tetrachloroethane  
Concen: 23.541 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

Tgt Ion: 83 Resp: 70783

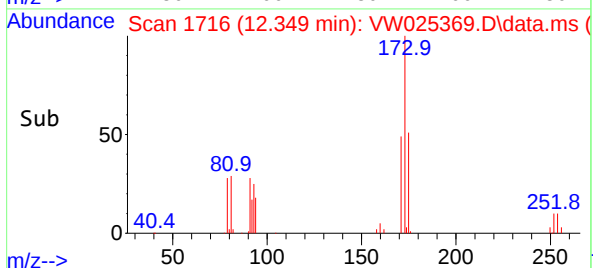
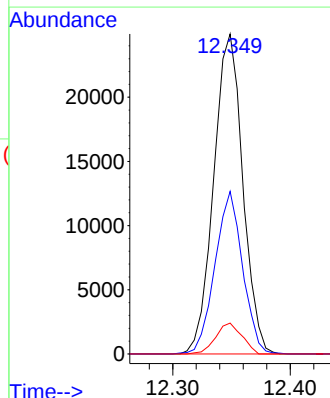
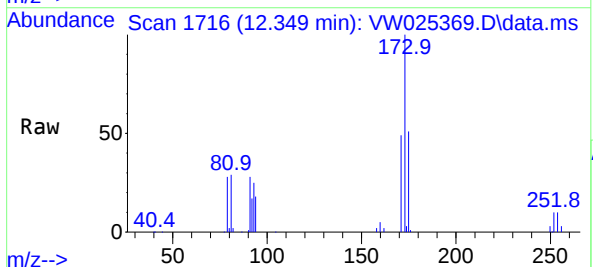
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 65.3  | 45.6  | 84.6  |
| 131 | 9.7   | 8.2   | 12.2  |

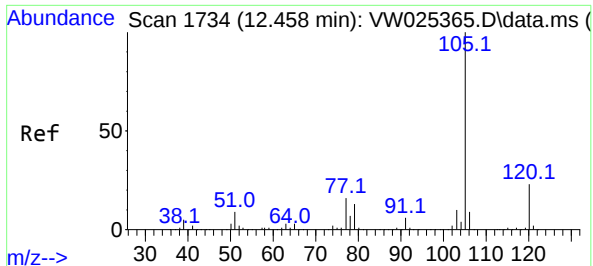


#59  
Bromoform  
Concen: 23.731 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 173 Resp: 42831

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 48.2  | 39.0  | 58.6  |
| 254 | 8.7   | 7.3   | 10.9  |

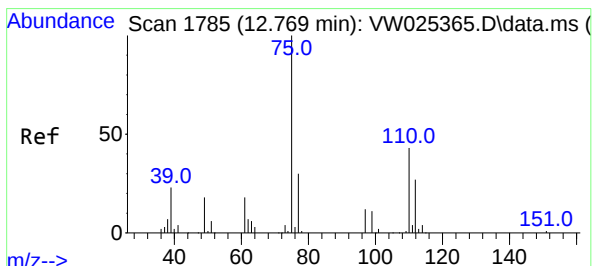
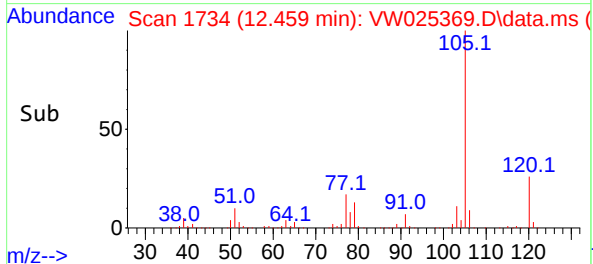
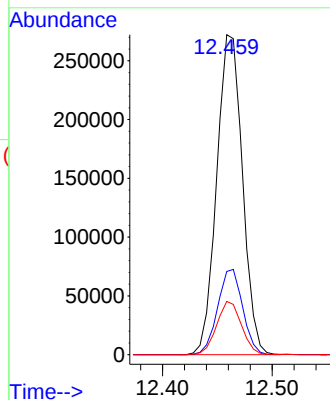
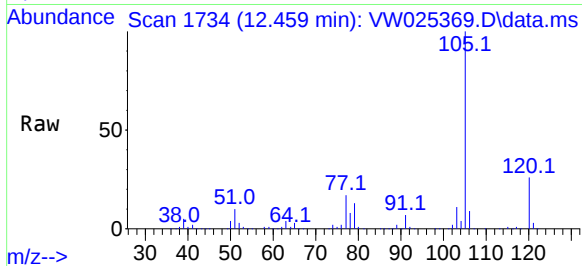




#60  
Isopropylbenzene  
Concen: 22.535 ug/L  
RT: 12.459 min Scan# 1734  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

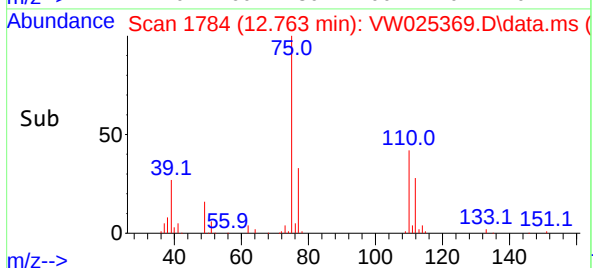
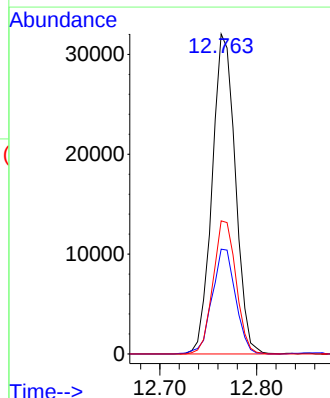
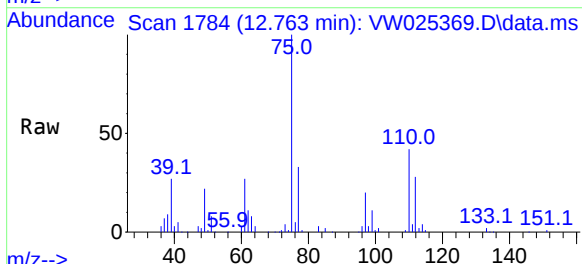
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

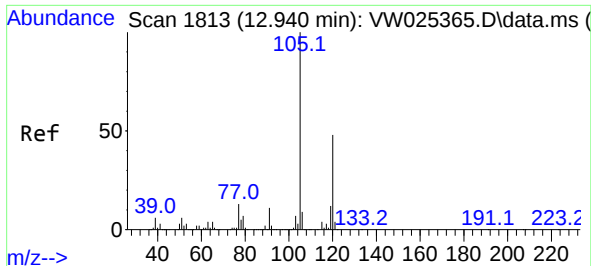
Tgt Ion:105 Resp: 444360  
Ion Ratio Lower Upper  
105 100  
120 25.9 20.6 30.8  
77 16.1 12.7 19.1



#61  
1,2,3-Trichloropropane  
Concen: 22.356 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion: 75 Resp: 53399  
Ion Ratio Lower Upper  
75 100  
77 33.2 26.3 39.5  
110 41.2 32.6 49.0

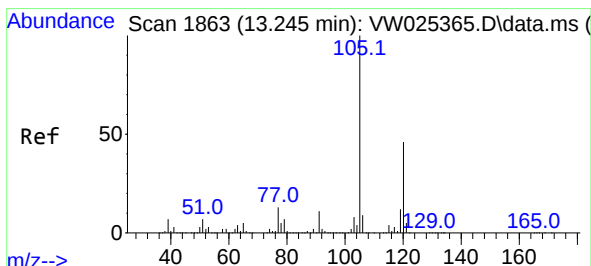
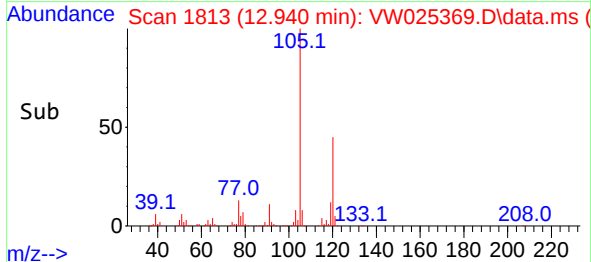
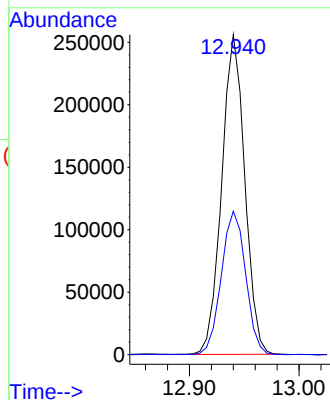
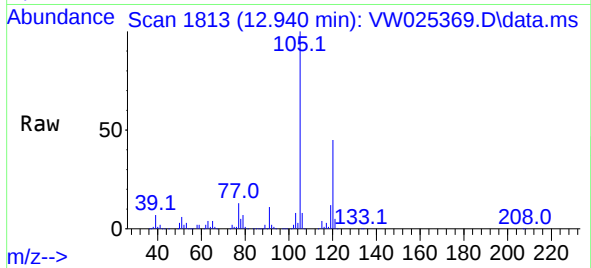




#62  
1,3,5-Trimethylbenzene  
Concen: 23.637 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

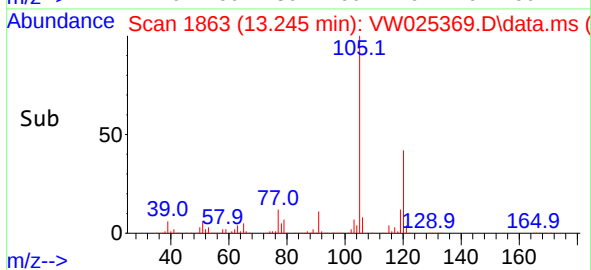
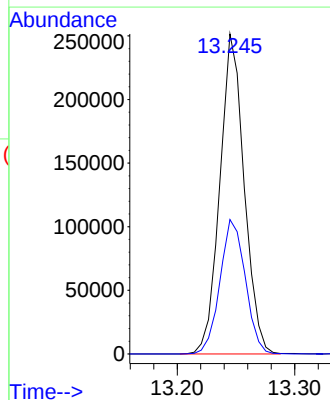
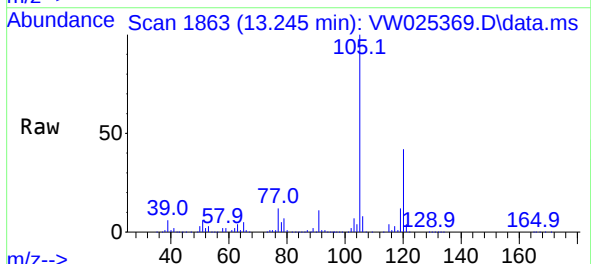
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

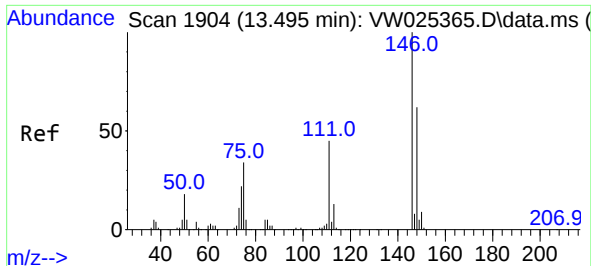
Tgt Ion:105 Resp: 374316  
Ion Ratio Lower Upper  
105 100  
120 47.3 38.6 57.8



#63  
1,2,4-Trimethylbenzene  
Concen: 24.125 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.006 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion:105 Resp: 361636  
Ion Ratio Lower Upper  
105 100  
120 43.8 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 23.568 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW025369.D

Acq: 24 Feb 2023 12:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025545

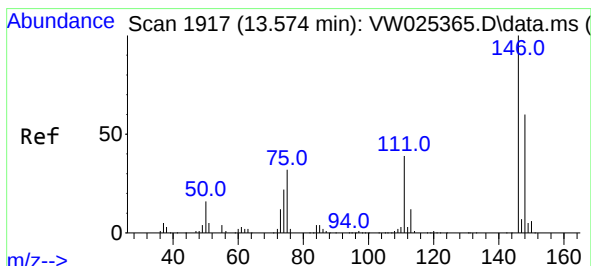
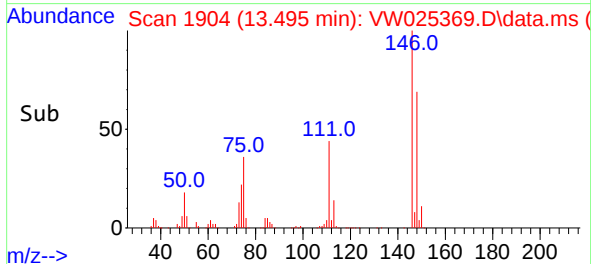
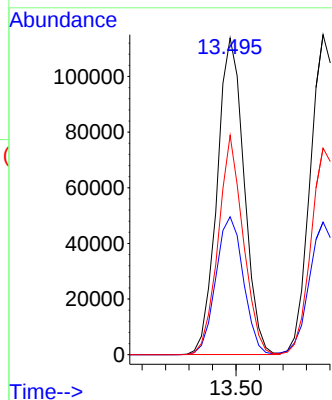
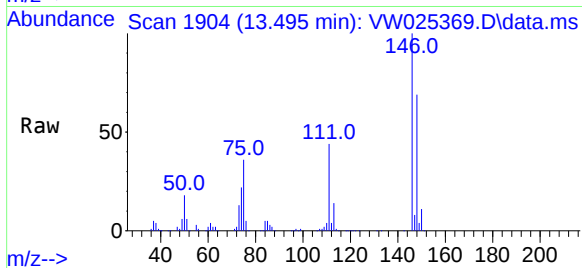
Tgt Ion:146 Resp: 181719

Ion Ratio Lower Upper

146 100

111 43.6 29.5 54.7

148 69.3 46.0 85.4



#65

1,4-Dichlorobenzene

Concen: 24.103 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW025369.D

Acq: 24 Feb 2023 12:16

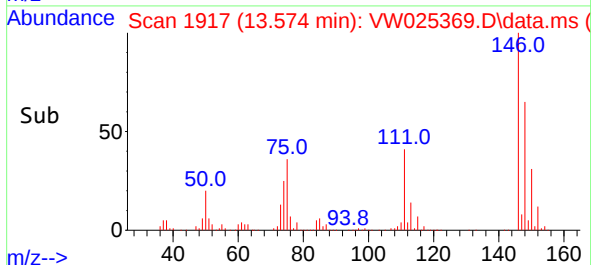
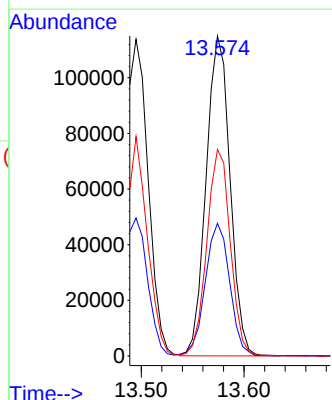
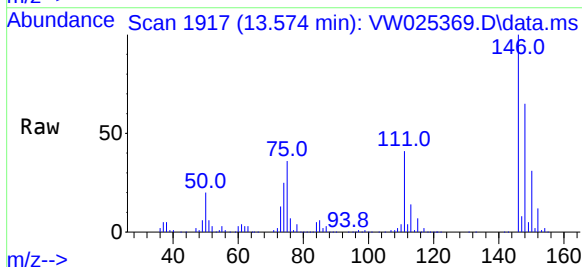
Tgt Ion:146 Resp: 186315

Ion Ratio Lower Upper

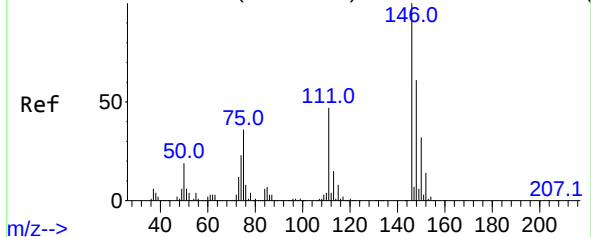
146 100

111 41.4 29.8 55.3

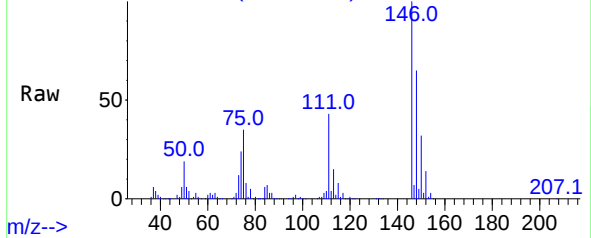
148 64.6 41.7 77.5



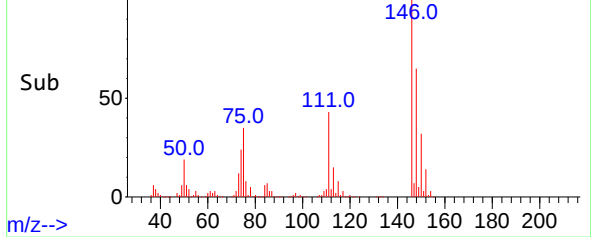
Abundance Scan 1965 (13.867 min): VW025365.D\data.ms (



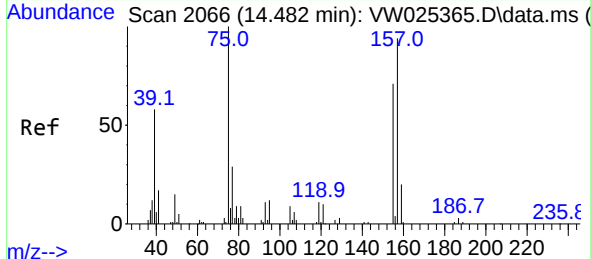
m/z--> Abundance Scan 1965 (13.867 min): VW025369.D\data.ms (



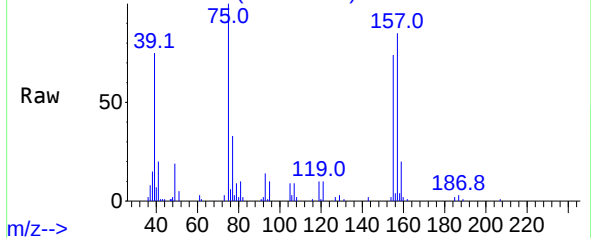
m/z--> Abundance Scan 1965 (13.867 min): VW025369.D\data.ms (



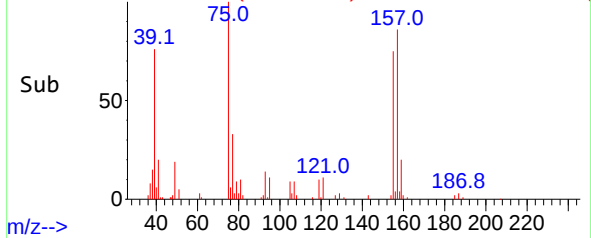
m/z--> Abundance Scan 2066 (14.482 min): VW025365.D\data.ms (



m/z--> Abundance Scan 2065 (14.476 min): VW025369.D\data.ms (



m/z--> Abundance Scan 2065 (14.476 min): VW025369.D\data.ms (



m/z--> Abundance Scan 2065 (14.476 min): VW025369.D\data.ms (

#67

1,2-Dichlorobenzene

Concen: 23.395 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW025369.D

Acq: 24 Feb 2023 12:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025545

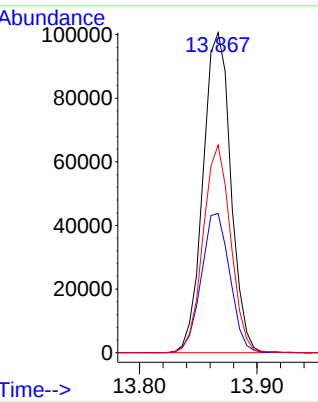
Tgt Ion:146 Resp: 165419

Ion Ratio Lower Upper

146 100

111 43.5 36.5 54.7

148 64.9 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 24.600 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW025369.D

Acq: 24 Feb 2023 12:16

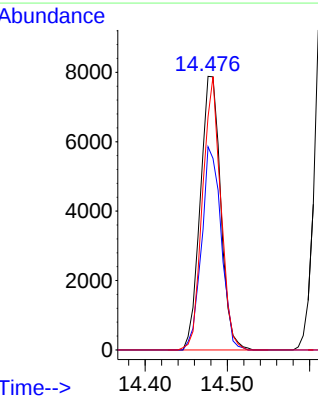
Tgt Ion: 75 Resp: 13577

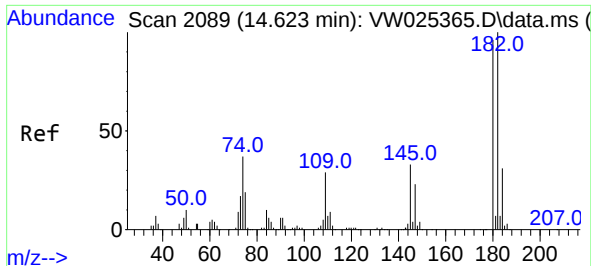
Ion Ratio Lower Upper

75 100

155 74.3 58.6 87.8

157 85.1 71.4 107.0



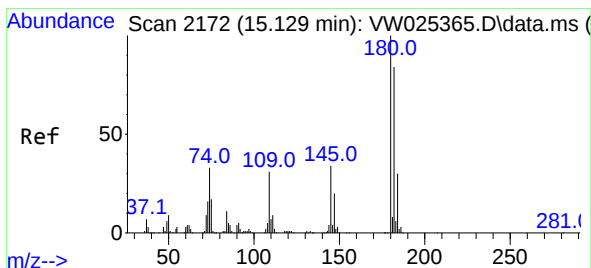
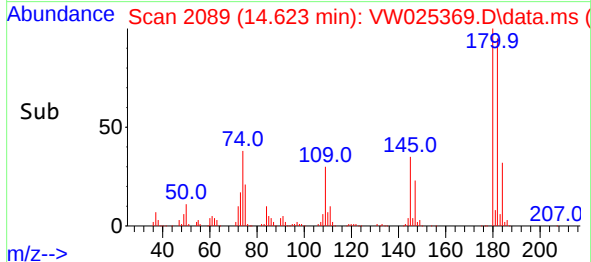
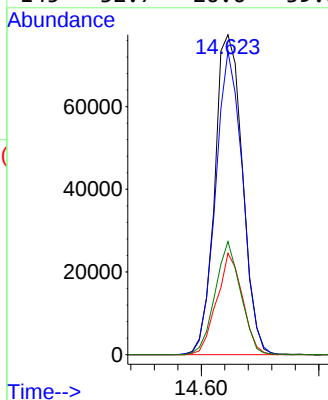
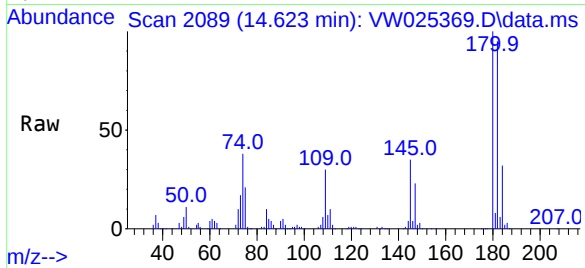


#69  
1,3,5-Trichlorobenzene  
Concen: 24.086 ug/L  
RT: 14.623 min Scan# 2089  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

Tgt Ion:180 Resp: 127116

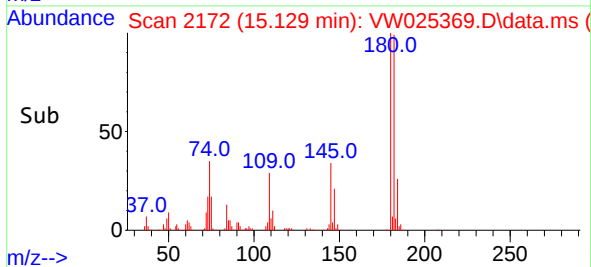
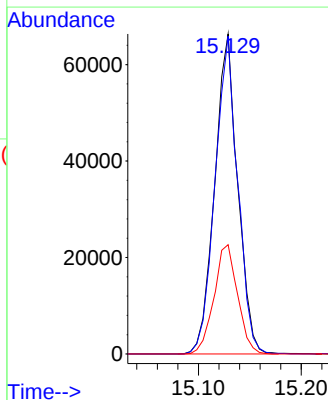
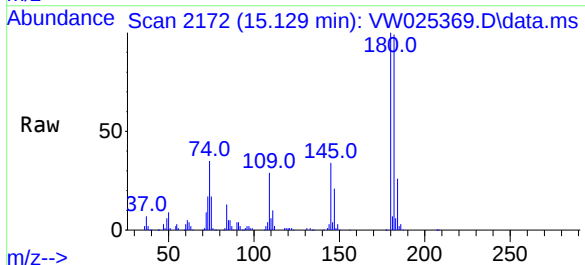
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 92.0  | 76.5  | 114.7 |
| 184 | 29.3  | 25.2  | 37.8  |
| 145 | 32.7  | 26.6  | 39.8  |

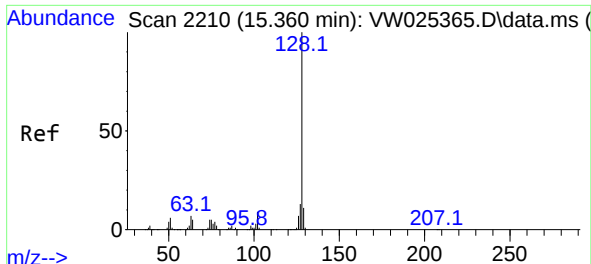


#70  
1,2,4-trichlorobenzene  
Concen: 22.447 ug/L  
RT: 15.129 min Scan# 2172  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion:180 Resp: 102793

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.9  | 72.6  | 109.0 |
| 145 | 35.1  | 26.4  | 39.6  |

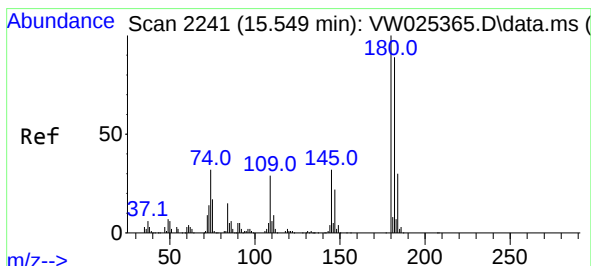
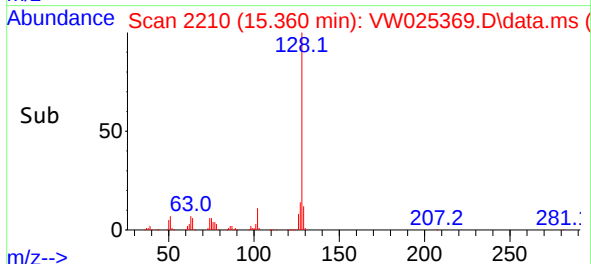
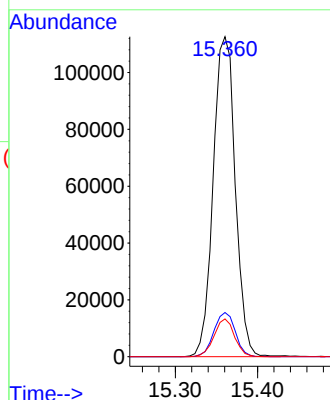
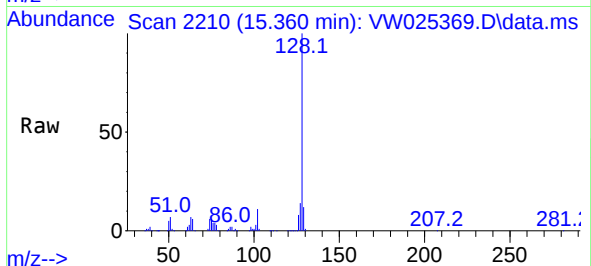




#71  
Naphthalene  
Concen: 23.816 ug/L  
RT: 15.360 min Scan# 2110  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025545

Tgt Ion:128 Resp: 209709  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.1 15.1  
129 11.0 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 23.286 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. 0.000 min  
Lab File: VW025369.D  
Acq: 24 Feb 2023 12:16

Tgt Ion:180 Resp: 90562  
Ion Ratio Lower Upper  
180 100  
182 91.0 76.6 115.0  
145 36.0 29.3 43.9

