

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070323\  
 Data File : VW026516.D  
 Acq On : 03 Jul 2023 19:32  
 Operator : SY/MD  
 Sample : VSTD2.5  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5403

Quant Time: Jul 04 01:43:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jul 04 01:40:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 667254   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 598317   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 281818   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65   | 19344    | 2.089  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.893  | 69   | 17501    | 2.340  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65   | 10710    | 2.342  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.094  | 46   | 16209    | 4.417  | ug/L   | 0.02     |
| 24) Chloroform-d              | 7.648  | 84   | 48299    | 2.495  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 28965    | 2.575  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 96907    | 2.415  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67   | 32000    | 2.500  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 88438    | 2.460  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 12366    | 2.409  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 10840    | 4.600  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 26155    | 2.510  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152  | 28081    | 2.632  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85   | 9190     | 1.278  | ug/L # | 78       |
| 3) Chloromethane              | 2.216  | 50   | 26960    | 2.362  | ug/L   | 97       |
| 5) Vinyl chloride             | 2.375  | 62   | 25885    | 2.359  | ug/L   | 90       |
| 6) Bromomethane               | 2.783  | 94   | 16460    | 2.624  | ug/L   | 100      |
| 8) Chloroethane               | 2.924  | 64   | 14878    | 2.304  | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.259  | 101  | 16698    | 2.254  | ug/L   | 93       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101  | 19043    | 2.172  | ug/L # | 73       |
| 12) 1,1-Dichloroethene        | 4.051  | 96   | 20782    | 2.482  | ug/L   | 82       |
| 13) Acetone                   | 4.125  | 43   | 15197    | 6.591  | ug/L   | 81       |
| 14) Carbon disulfide          | 4.393  | 76   | 67978    | 2.571  | ug/L   | 98       |
| 15) Methyl Acetate            | 4.673  | 43   | 14562    | 2.479  | ug/L   | 92       |
| 16) Methylene chloride        | 4.917  | 84   | 19473    | 1.691  | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96   | 23095    | 2.512  | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73   | 39482    | 2.506  | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 6.210  | 63   | 50046    | 2.574  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96   | 26219    | 2.521  | ug/L   | 95       |
| 22) 2-Butanone                | 7.179  | 43   | 25676    | 6.280  | ug/L   | 95       |
| 23) Bromochloromethane        | 7.514  | 128  | 11402    | 2.592  | ug/L   | 75       |
| 25) Chloroform                | 7.673  | 83   | 46692    | 2.580  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 34532    | 2.619  | ug/L   | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 40158    | 2.268  | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 35050    | 2.501  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 30604    | 2.429  | ug/L   | 96       |
| 33) Benzene                   | 8.325  | 78   | 102223   | 2.513  | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 26488    | 2.540  | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.337  | 83   | 41876    | 2.349  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 27547    | 2.470  | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 31705    | 2.431  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 36918    | 2.264  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 39194    | 4.649  | ug/L   | 98       |
| 42) Toluene                   | 10.386 | 91   | 102986   | 2.484  | ug/L   | 92       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 31507    | 2.297  | ug/L   | 92       |

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 Sample : VSTD2.5  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5403

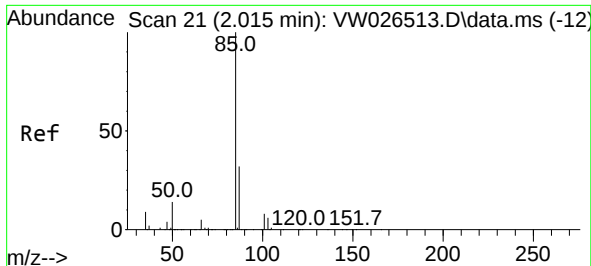
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jul 04 01:40:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 19351    | 2.501 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 17817    | 2.538 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.971 | 43   | 24799    | 4.357 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 19072    | 2.403 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 17608    | 2.426 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 65911    | 2.552 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 111478   | 2.376 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 41829    | 2.416 | ug/L  | 98       |
| 54) o-Xylene                  | 12.166 | 106  | 38515    | 2.331 | ug/L  | 99       |
| 55) Styrene                   | 12.178 | 104  | 65306    | 2.321 | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 24900    | 2.481 | ug/L  | 96       |
| 59) Bromoform                 | 12.343 | 173  | 10284    | 2.334 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 105491   | 2.405 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 18707    | 2.561 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 81356    | 2.297 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 76085    | 2.228 | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 47629    | 2.592 | ug/L  | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 49505    | 2.682 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 42138    | 2.563 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 4976     | 2.847 | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 31774    | 2.613 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 27121    | 2.588 | ug/L  | 95       |
| 71) Naphthalene               | 15.360 | 128  | 54025    | 2.323 | ug/L  | 97       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 25525    | 2.731 | ug/L  | 96       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Jul 04 01:40:17 2023  
Response via : Initial Calibration

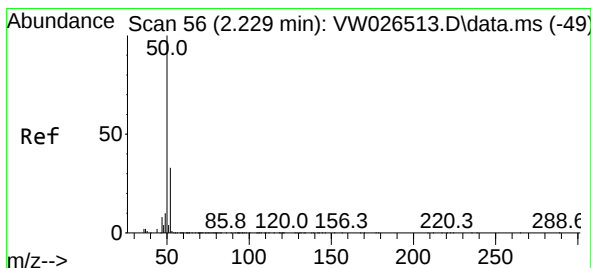
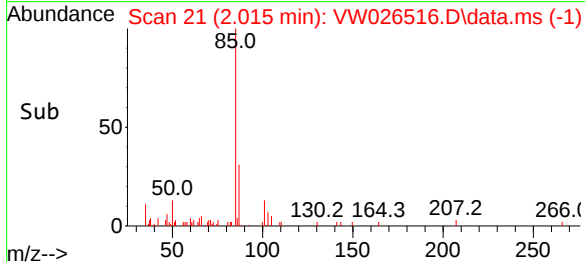
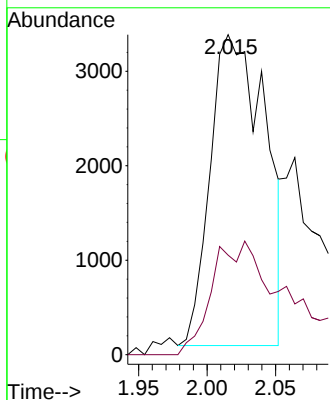
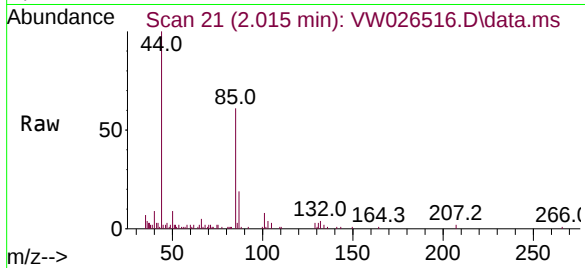




#2  
Dichlorodifluoromethane  
Concen: 1.278 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

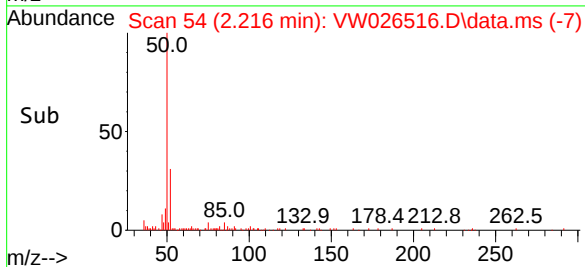
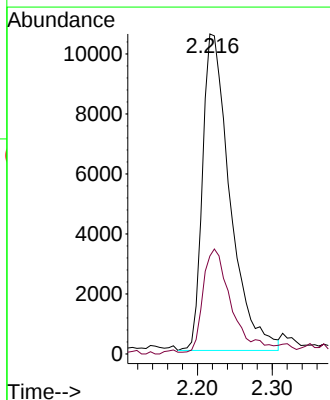
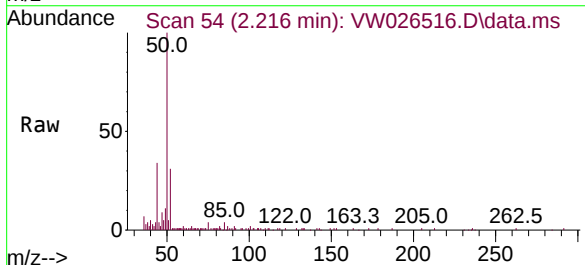
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

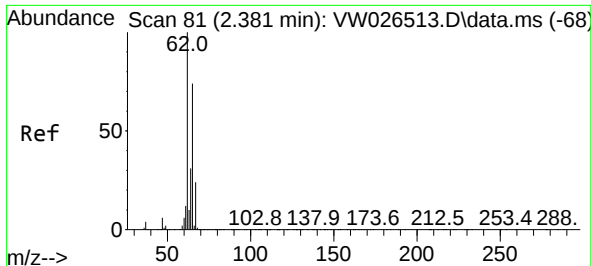
Tgt Ion: 85 Resp: 9190  
Ion Ratio Lower Upper  
85 100  
87 18.0 23.8 35.8#



#3  
Chloromethane  
Concen: 2.362 ug/L  
RT: 2.216 min Scan# 54  
Delta R.T. -0.012 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 50 Resp: 26960  
Ion Ratio Lower Upper  
50 100  
52 30.6 22.7 42.1

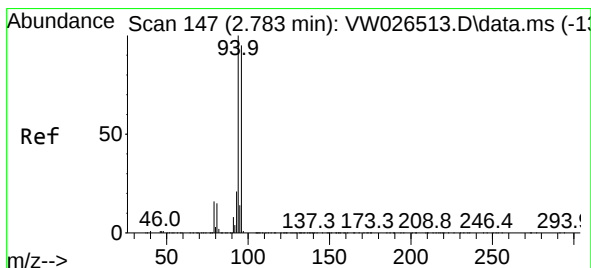
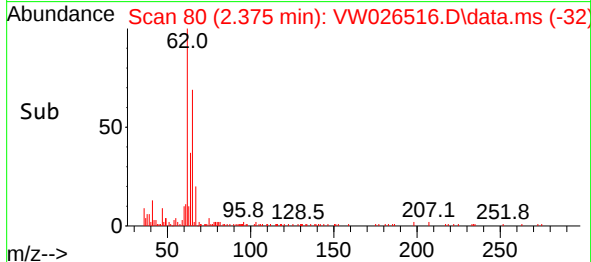
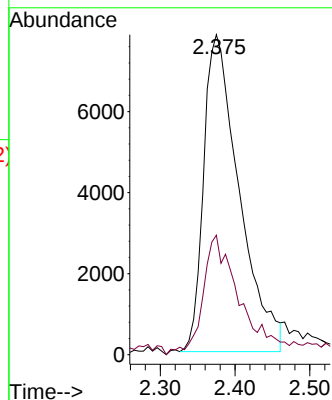
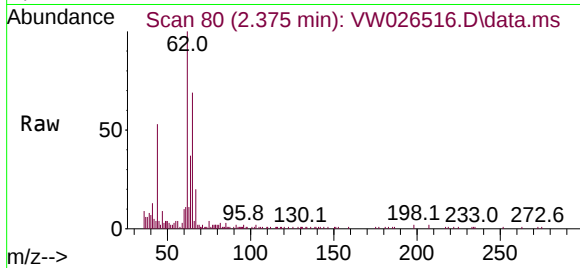




#5  
 Vinyl chloride  
 Concen: 2.359 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: VW026516.D  
 Acq: 03 Jul 2023 19:32

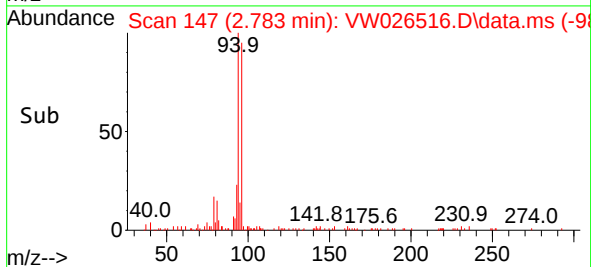
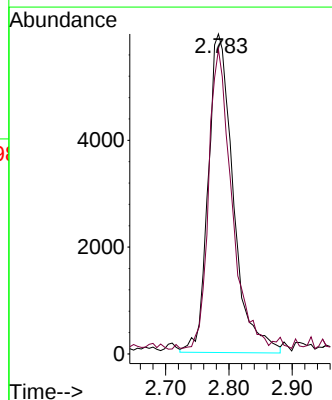
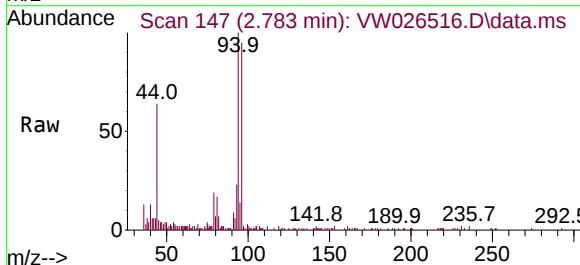
Instrument :  
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 ClientSampleId :  
 VSTD2.5403

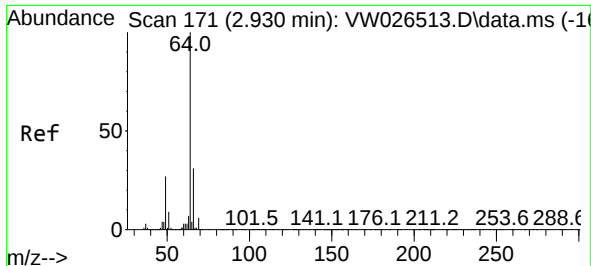
Tgt Ion: 62 Resp: 25885  
 Ion Ratio Lower Upper  
 62 100  
 64 37.4 22.1 41.1



#6  
 Bromomethane  
 Concen: 2.624 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.000 min  
 Lab File: VW026516.D  
 Acq: 03 Jul 2023 19:32

Tgt Ion: 94 Resp: 16460  
 Ion Ratio Lower Upper  
 94 100  
 96 95.2 66.3 123.1

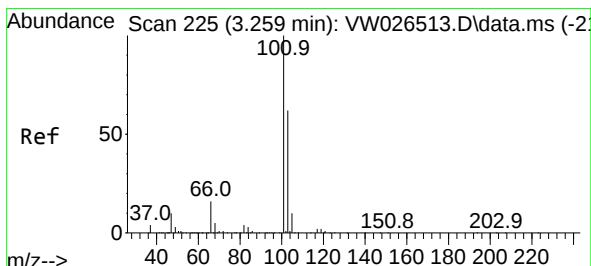
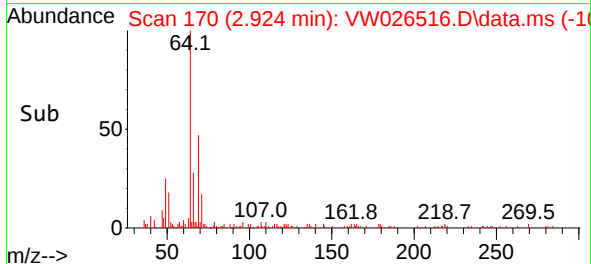
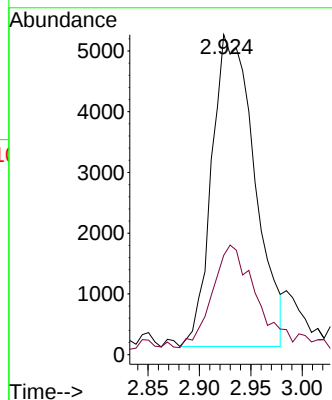
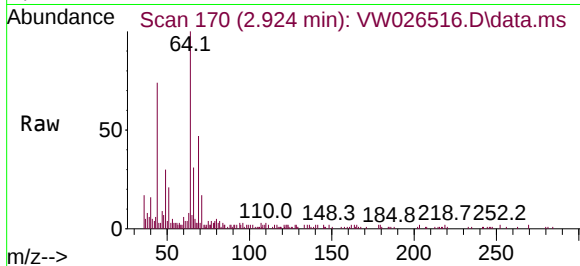




#8  
Chloroethane  
Concen: 2.304 ug/L  
RT: 2.924 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

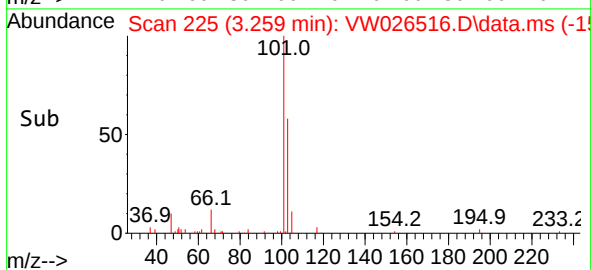
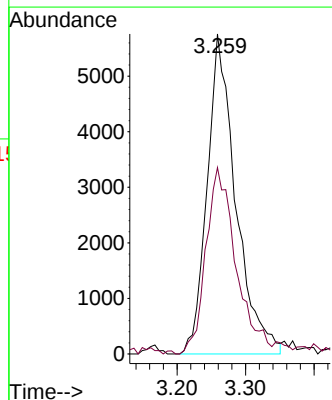
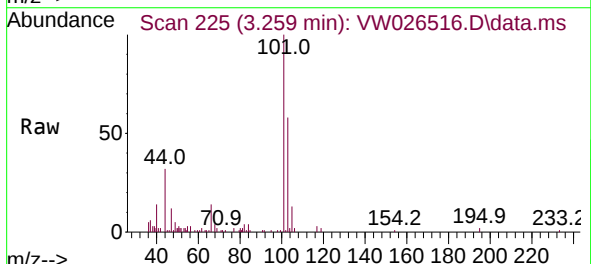
Instrument :  
MSVOA\_W  
ClientSampleId :  
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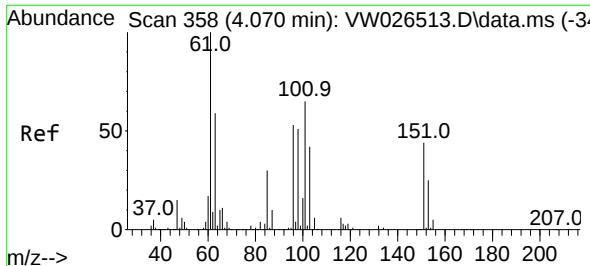
Tgt Ion: 64 Resp: 14878  
Ion Ratio Lower Upper  
64 100  
66 31.0 21.6 40.2



#9  
Trichlorofluoromethane  
Concen: 2.254 ug/L  
RT: 3.259 min Scan# 225  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 101 Resp: 16698  
Ion Ratio Lower Upper  
101 100  
103 59.5 51.8 77.8

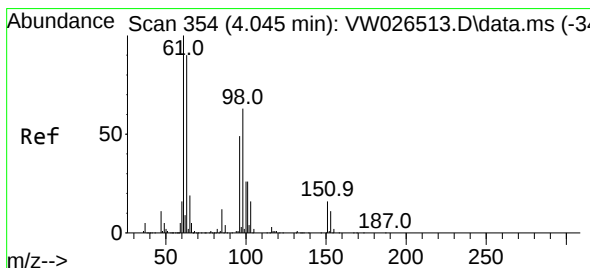
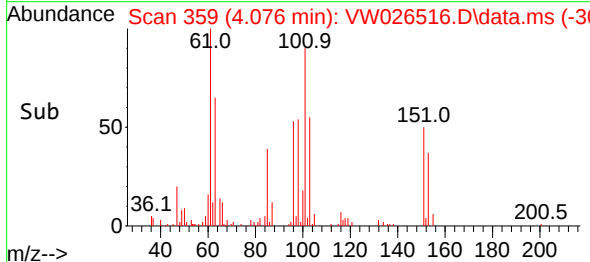
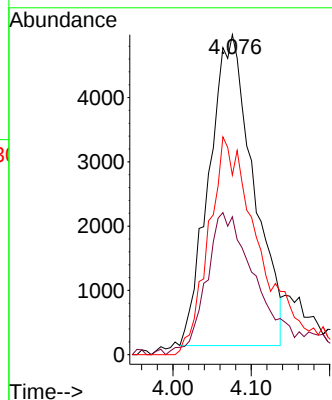
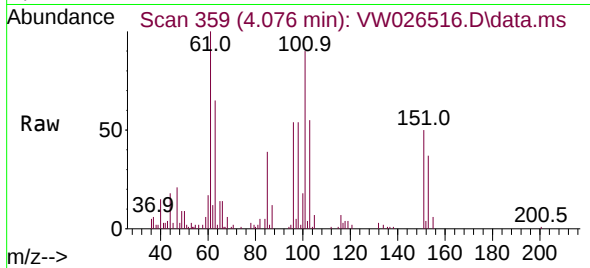




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.172 ug/L  
 RT: 4.076 min Scan# 358  
 Delta R.T. 0.006 min  
 Lab File: VW026516.D  
 Acq: 03 Jul 2023 19:32

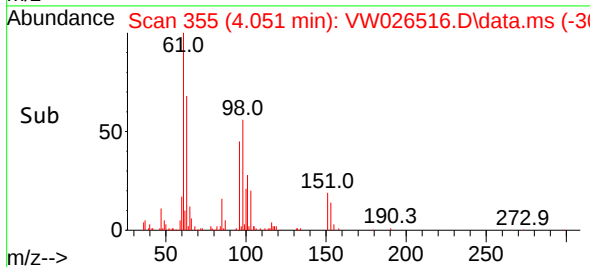
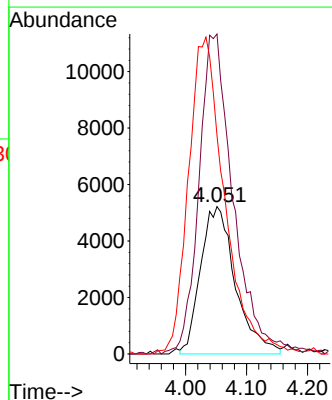
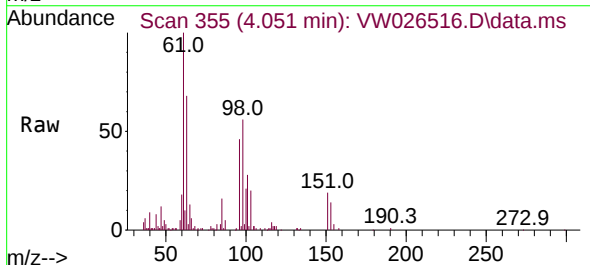
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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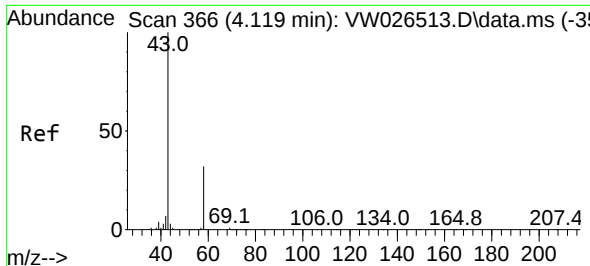
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 Ion Ratio Lower Upper  
 101 100  
 85 50.9 35.4 53.0  
 151 38.0 55.2 82.8#



#12  
 1,1-Dichloroethene  
 Concen: 2.482 ug/L  
 RT: 4.051 min Scan# 355  
 Delta R.T. 0.006 min  
 Lab File: VW026516.D  
 Acq: 03 Jul 2023 19:32

Tgt Ion: 96 Resp: 20782  
 Ion Ratio Lower Upper  
 96 100  
 61 217.2 142.9 265.5  
 63 148.2 132.7 246.5

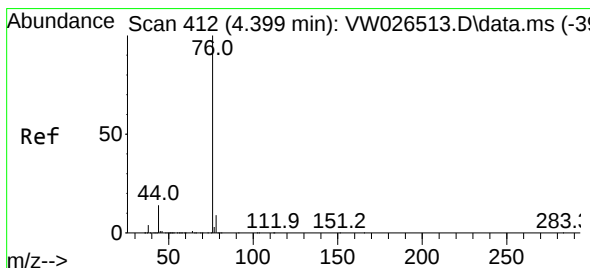
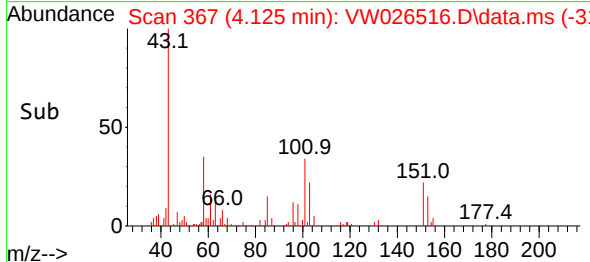
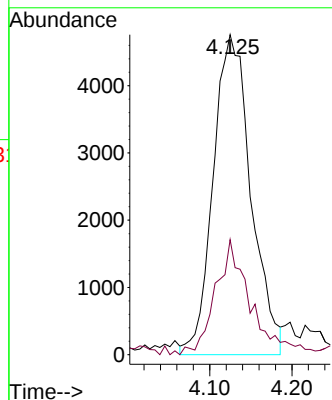
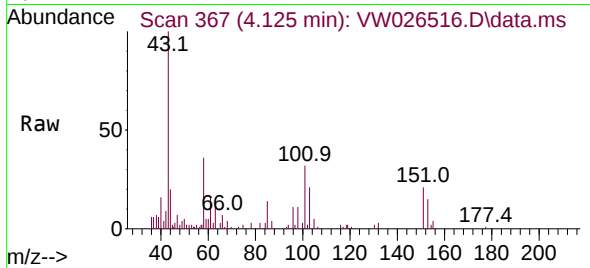




#13  
Acetone  
Concen: 6.591 ug/L  
RT: 4.125 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

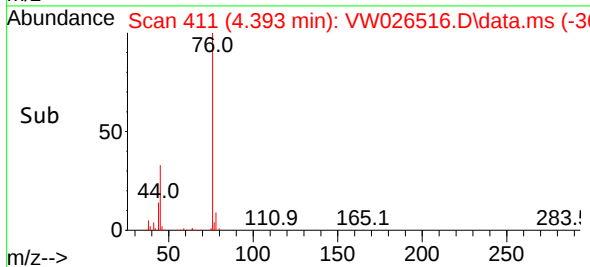
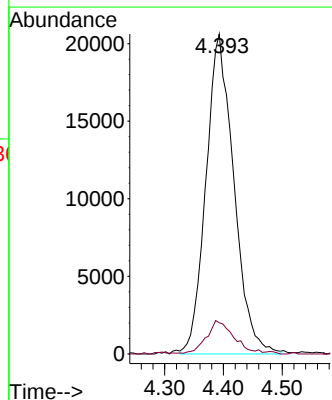
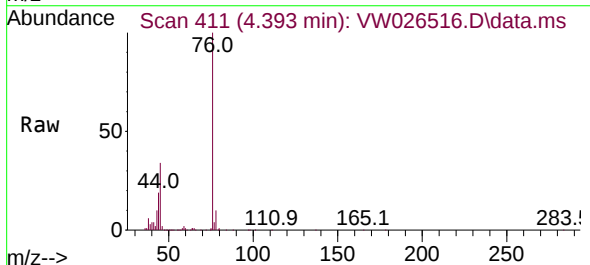
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

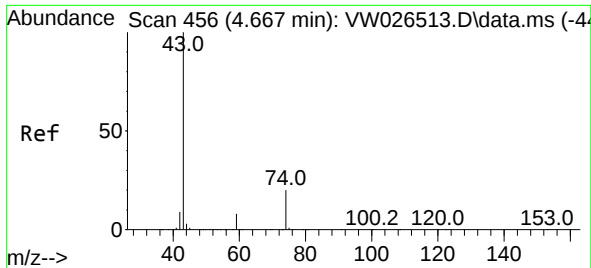
Tgt Ion: 43 Resp: 15197  
Ion Ratio Lower Upper  
43 100  
58 19.6 0.0 59.6



#14  
Carbon disulfide  
Concen: 2.571 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 76 Resp: 67978  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.2 10.8

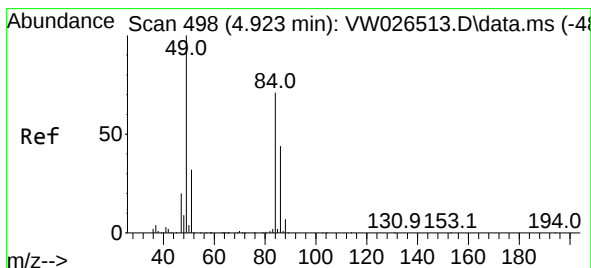
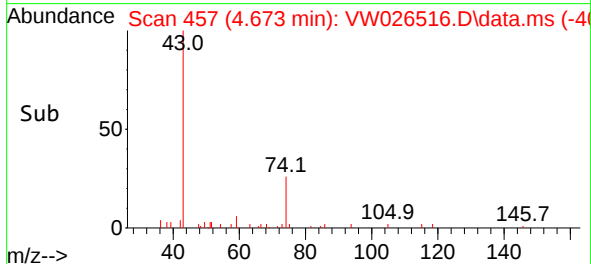
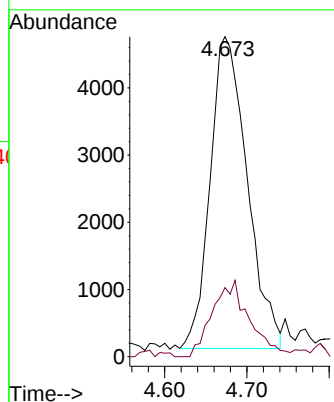
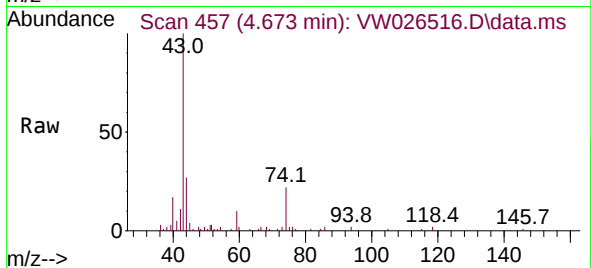




#15  
Methyl Acetate  
Concen: 2.479 ug/L  
RT: 4.673 min Scan# 456  
Delta R.T. 0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

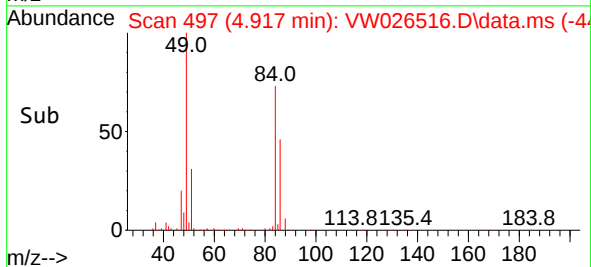
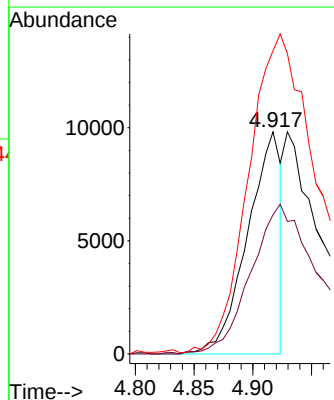
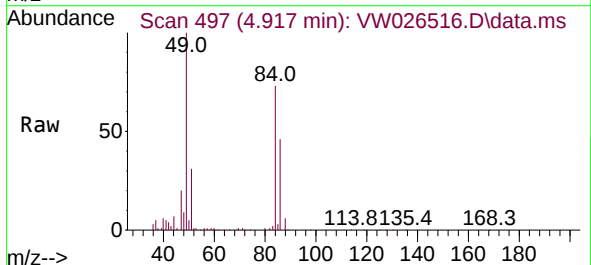
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

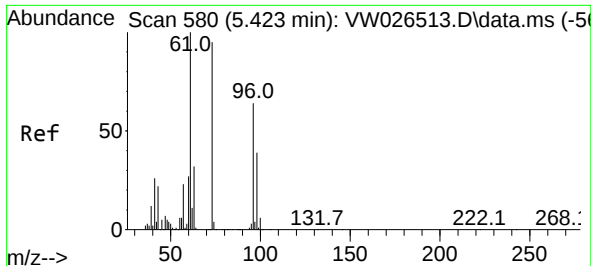
Tgt Ion: 43 Resp: 14562  
Ion Ratio Lower Upper  
43 100  
74 24.3 16.6 24.8



#16  
Methylene chloride  
Concen: 1.691 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 84 Resp: 19473  
Ion Ratio Lower Upper  
84 100  
86 62.7 43.3 80.5  
49 136.5 99.3 184.3

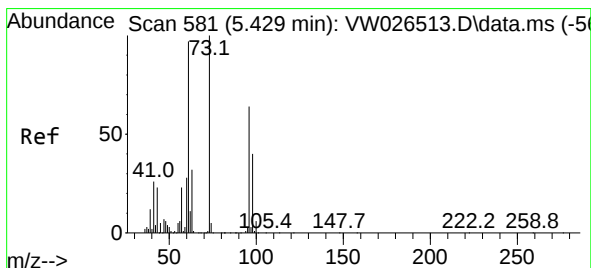
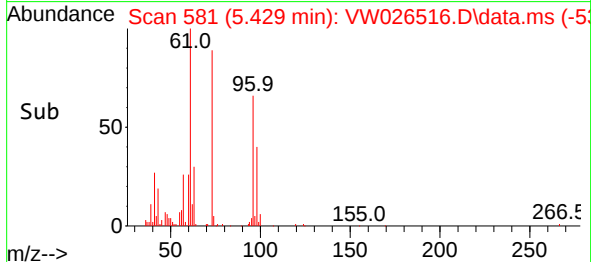
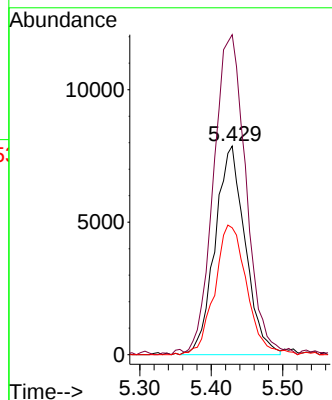
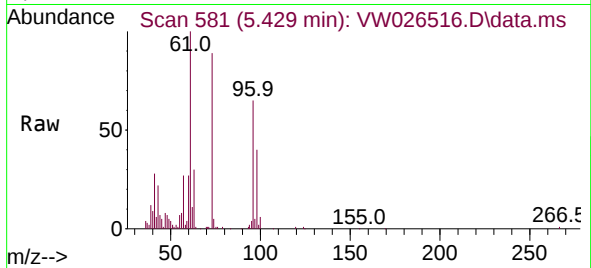




#17  
trans-1,2-Dichloroethene  
Concen: 2.512 ug/L  
RT: 5.429 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

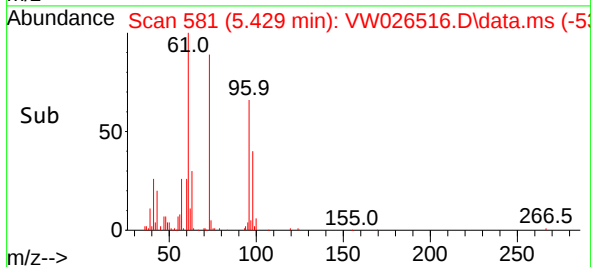
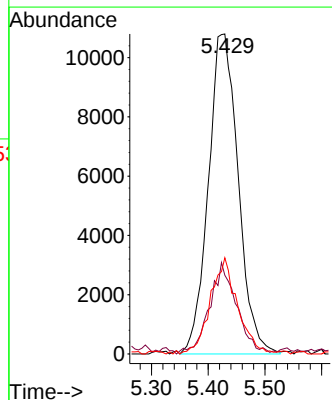
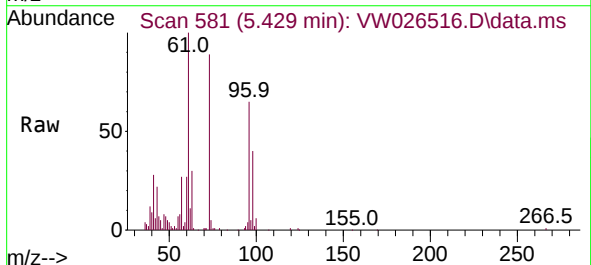
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

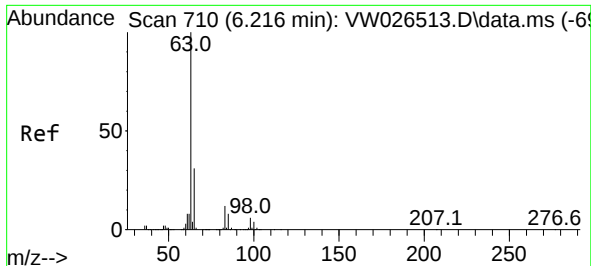
Tgt Ion: 96 Resp: 23095  
Ion Ratio Lower Upper  
96 100  
61 153.4 109.7 203.7  
98 60.8 42.5 78.9



#18  
Methyl tert-butyl Ether  
Concen: 2.506 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 73 Resp: 39482  
Ion Ratio Lower Upper  
73 100  
43 25.7 17.8 26.8  
57 27.3 18.8 28.2

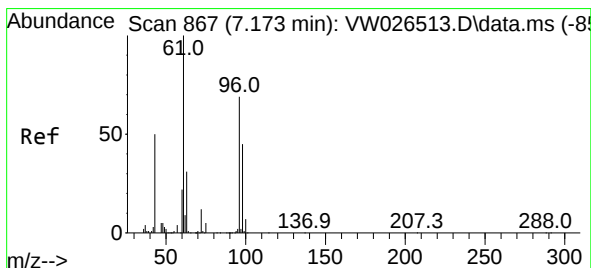
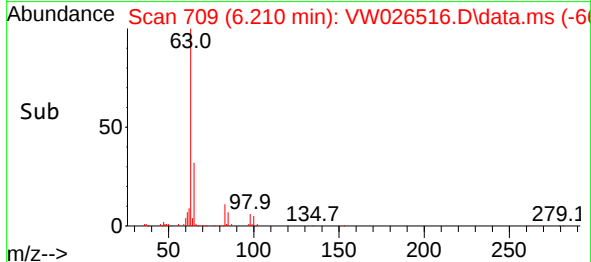
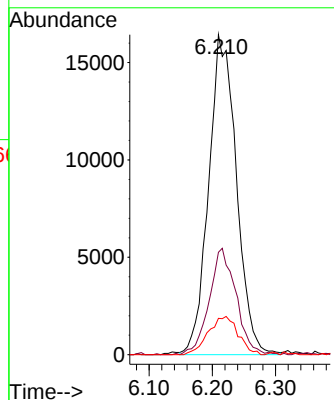
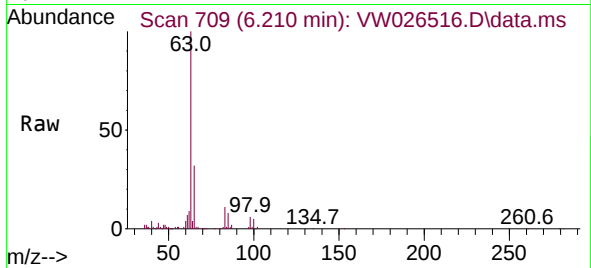




#19  
1,1-Dichloroethane  
Concen: 2.574 ug/L  
RT: 6.210 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

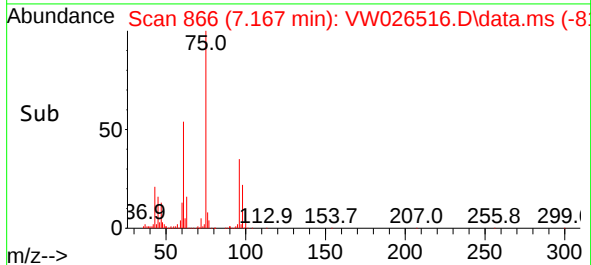
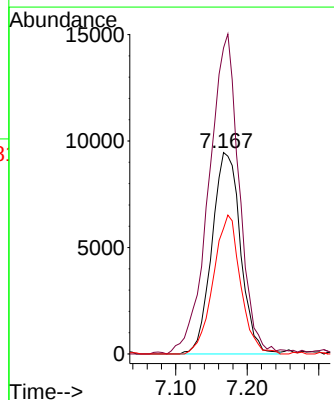
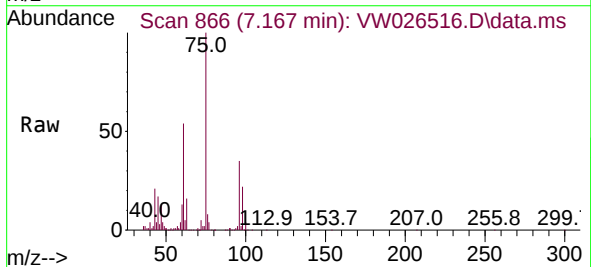
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

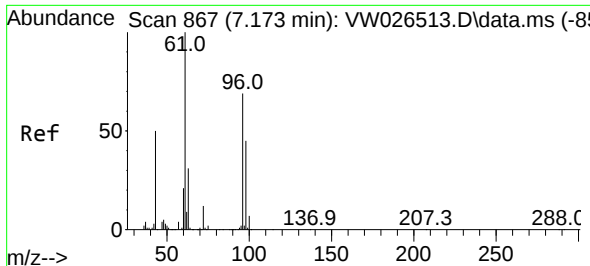
Tgt Ion: 63 Resp: 50046  
Ion Ratio Lower Upper  
63 100  
65 32.0 21.8 40.4  
83 11.3 8.6 16.0



#20  
cis-1,2-Dichloroethene  
Concen: 2.521 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 96 Resp: 26219  
Ion Ratio Lower Upper  
96 100  
61 151.9 101.9 189.3  
98 62.3 45.9 85.3

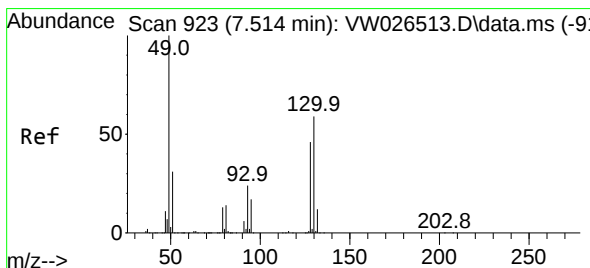
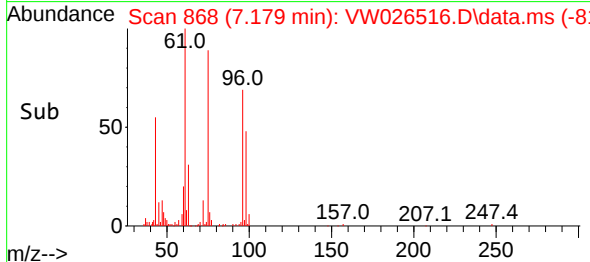
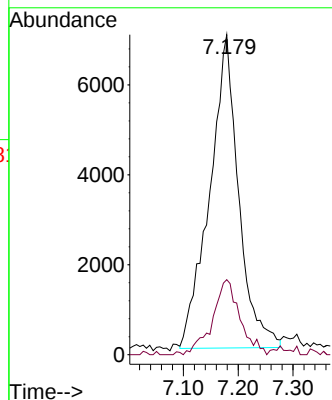
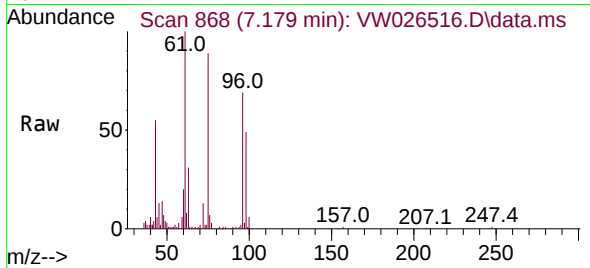




#22  
2-Butanone  
Concen: 6.280 ug/L  
RT: 7.179 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

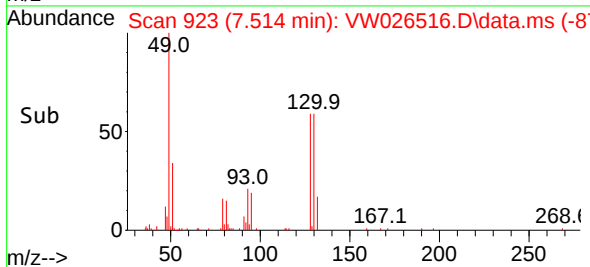
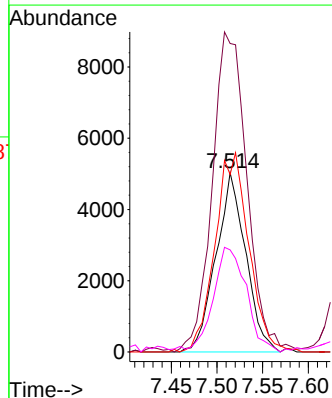
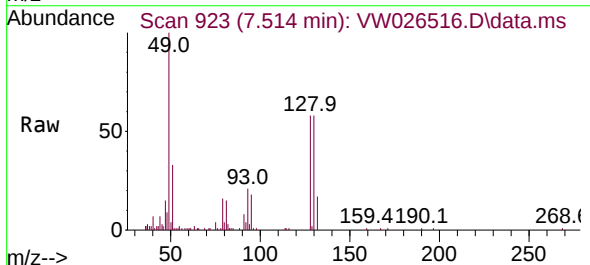
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

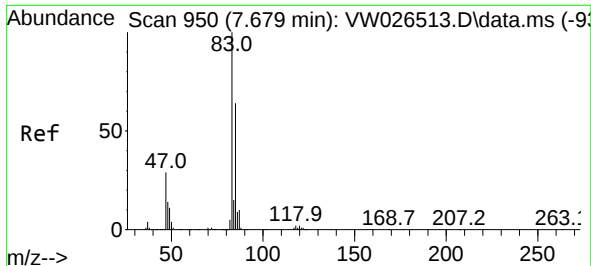
Tgt Ion: 43 Resp: 25676  
Ion Ratio Lower Upper  
43 100  
72 21.6 12.0 36.1



#23  
Bromochloromethane  
Concen: 2.592 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 128 Resp: 11402  
Ion Ratio Lower Upper  
128 100  
49 171.9 152.2 282.7  
130 98.9 89.2 165.8  
51 56.9 54.5 81.7

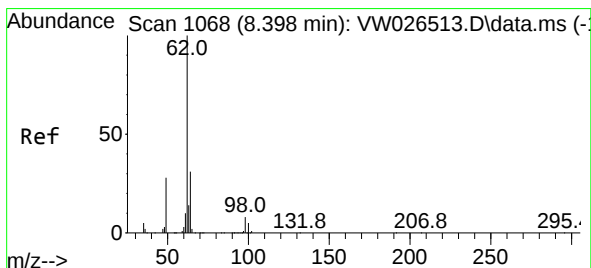
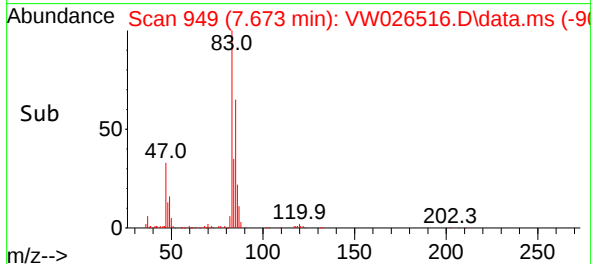
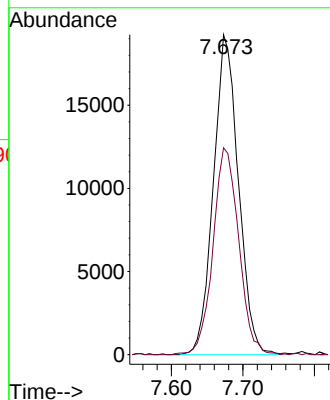
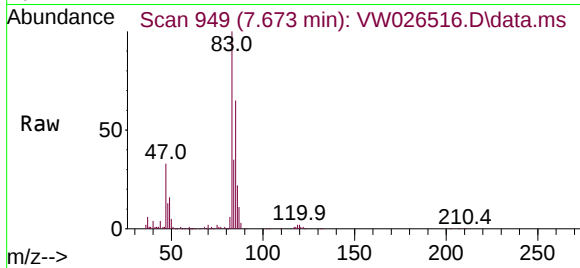




#25  
Chloroform  
Concen: 2.580 ug/L  
RT: 7.673 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

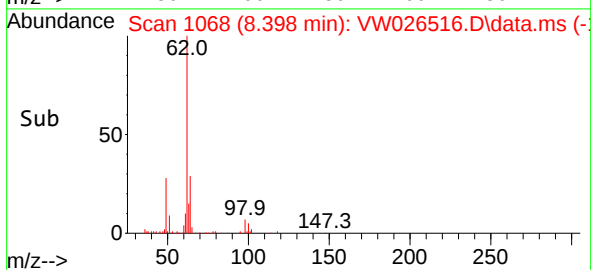
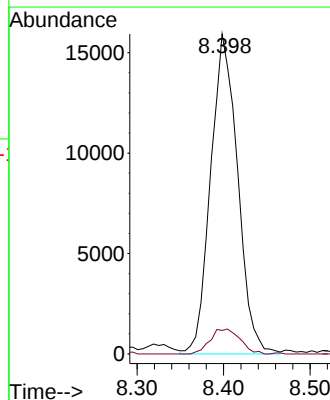
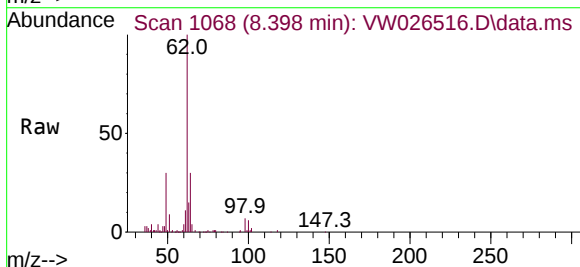
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

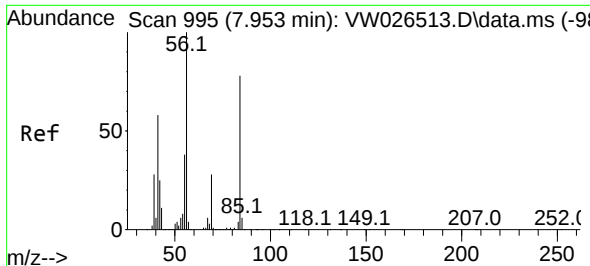
Tgt Ion: 83 Resp: 46692  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.8 83.2



#27  
1,2-Dichloroethane  
Concen: 2.619 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 62 Resp: 34532  
Ion Ratio Lower Upper  
62 100  
98 7.4 6.8 10.2

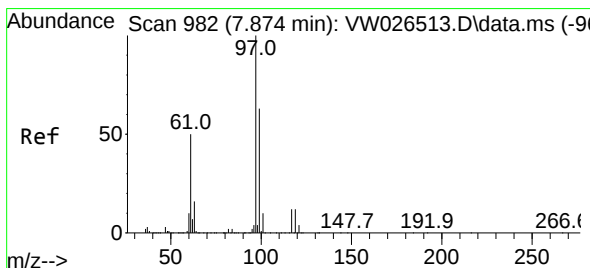
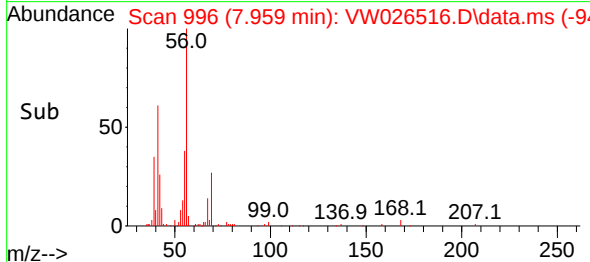
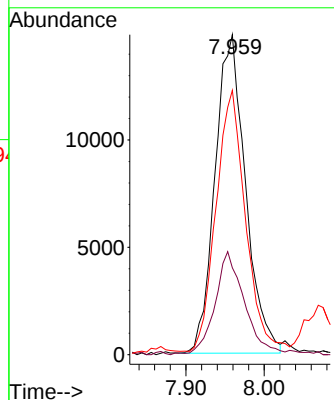
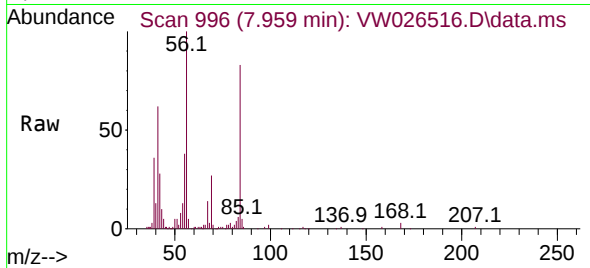




#29  
Cyclohexane  
Concen: 2.268 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

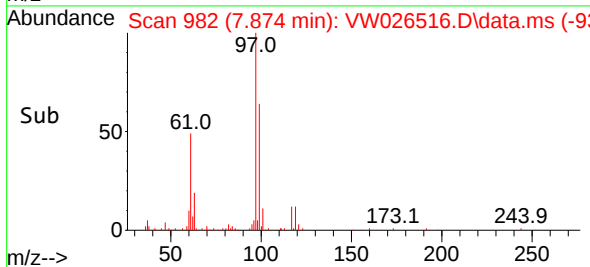
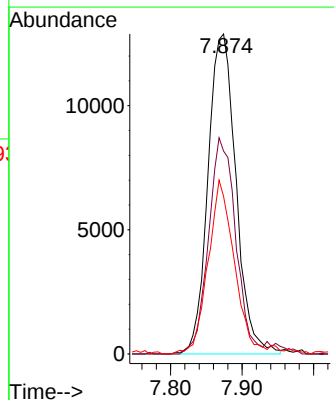
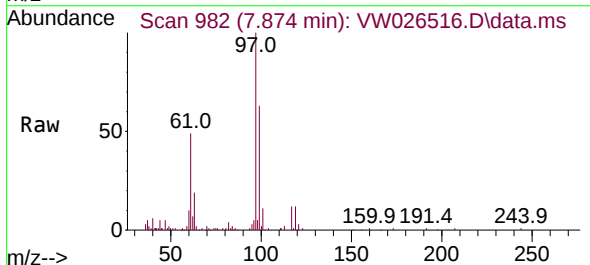
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MSVOA\_W  
ClientSampleId :  
VSTD2.5403

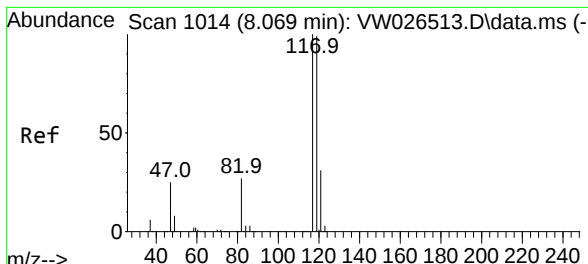
Tgt Ion: 56 Resp: 40158  
Ion Ratio Lower Upper  
56 100  
69 30.9 22.9 34.3  
84 81.6 62.5 93.7



#30  
1,1,1-Trichloroethane  
Concen: 2.501 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 97 Resp: 35050  
Ion Ratio Lower Upper  
97 100  
99 65.8 52.2 78.2  
61 50.9 40.2 60.2

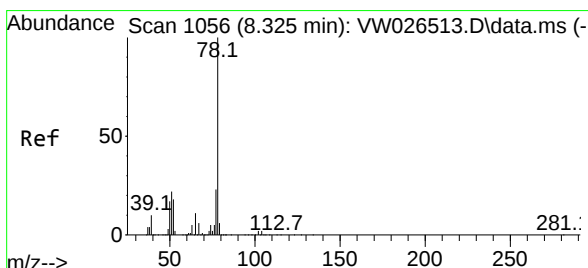
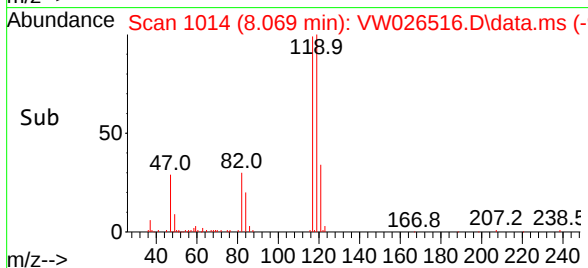
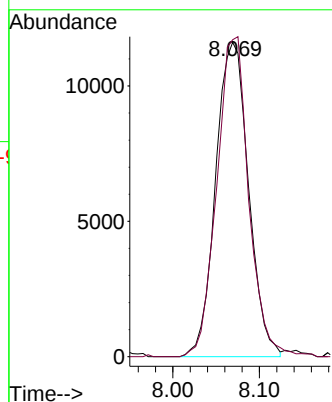
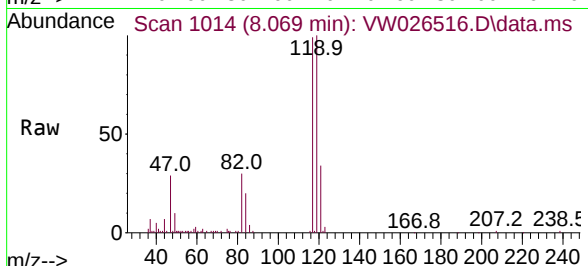




#31  
Carbon tetrachloride  
Concen: 2.429 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

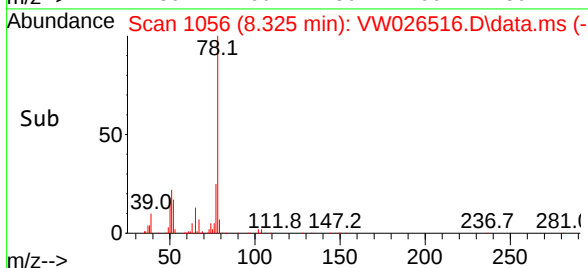
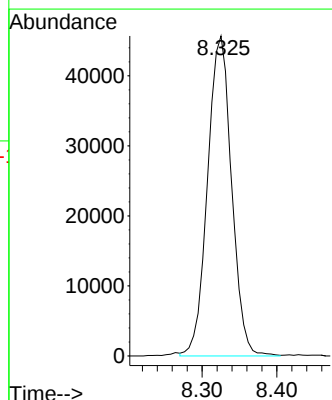
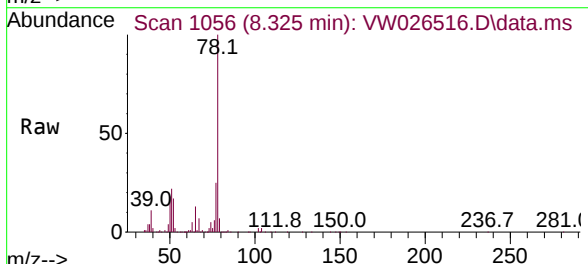
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ClientSampleId : VSTD2.5403

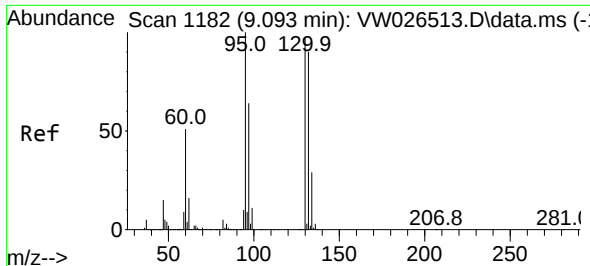
Tgt Ion:117 Resp: 30604  
Ion Ratio Lower Upper  
117 100  
119 98.8 76.3 114.5



#33  
Benzene  
Concen: 2.513 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 78 Resp: 102223



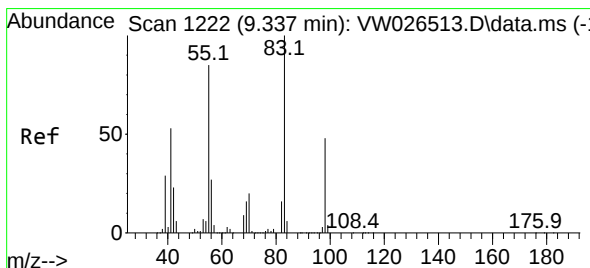
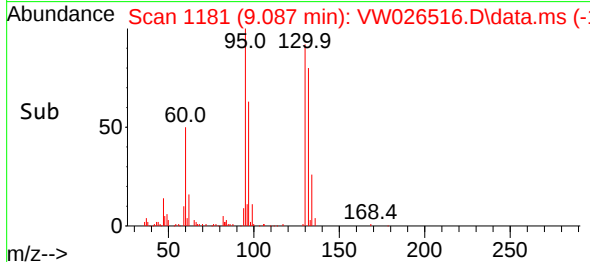
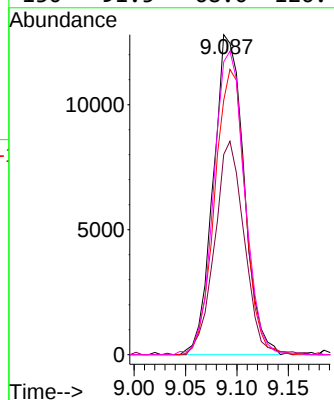
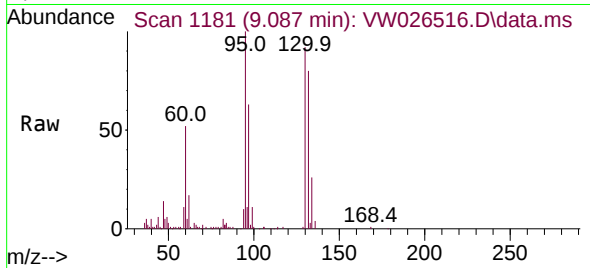


#34  
Trichloroethene  
Concen: 2.540 ug/L  
RT: 9.087 min Scan# 1181  
Delta R.T. -0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

Tgt Ion: 95 Resp: 26488

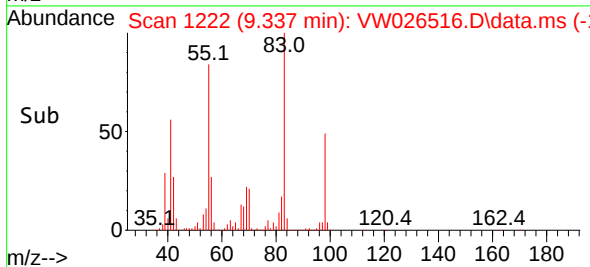
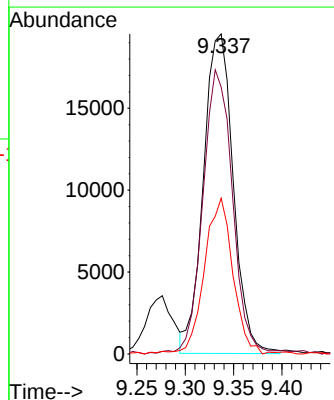
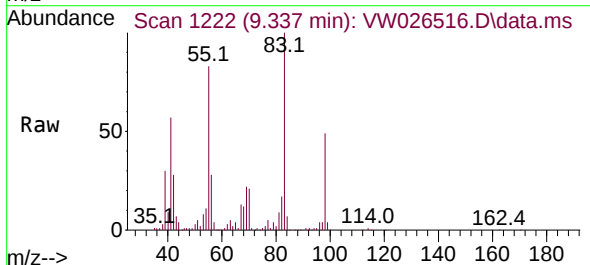
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.5  | 45.1  | 83.7  |
| 132 | 79.5  | 63.2  | 117.4 |
| 130 | 91.5  | 68.0  | 126.4 |

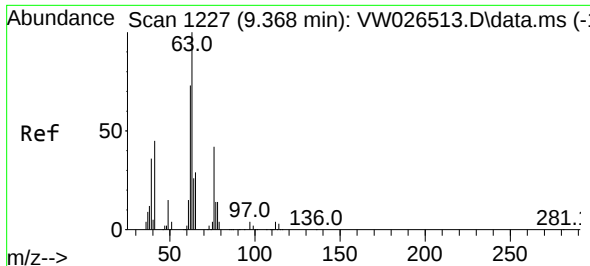


#35  
Methylcyclohexane  
Concen: 2.349 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 83 Resp: 41876

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 87.7  | 67.5  | 101.3 |
| 98  | 46.1  | 37.3  | 55.9  |





#37

1,2-Dichloropropane

Concen: 2.470 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

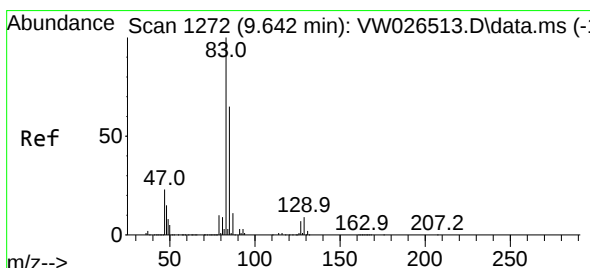
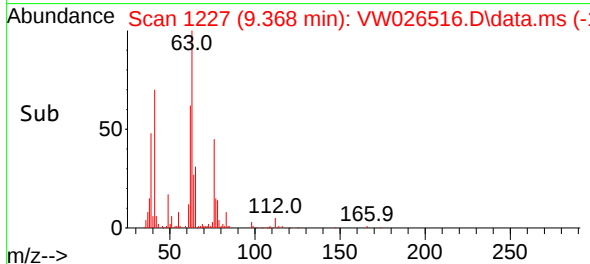
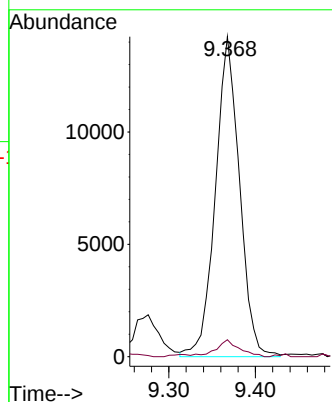
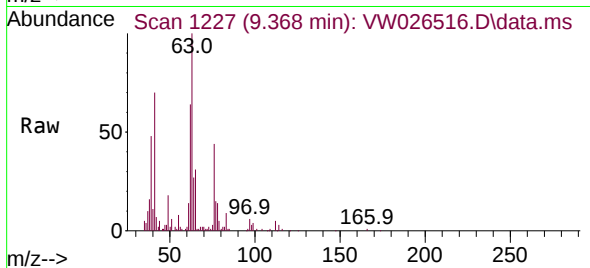
VSTD2.5403

Tgt Ion: 63 Resp: 27547

Ion Ratio Lower Upper

63 100

112 4.8 3.3 4.9



#38

Bromodichloromethane

Concen: 2.431 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

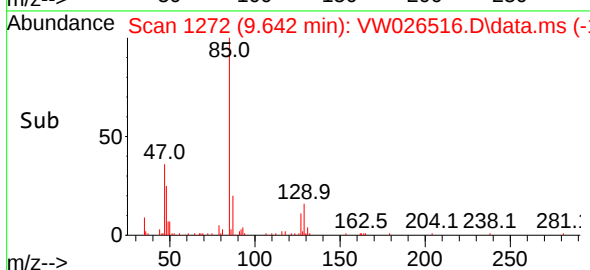
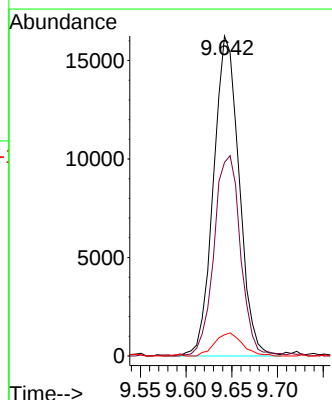
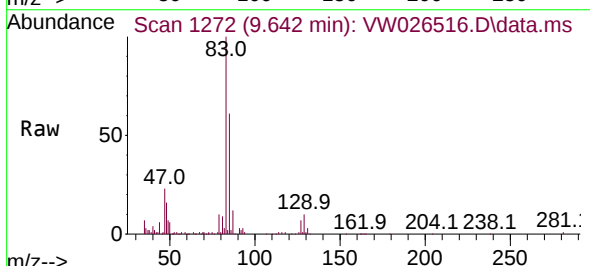
Tgt Ion: 83 Resp: 31705

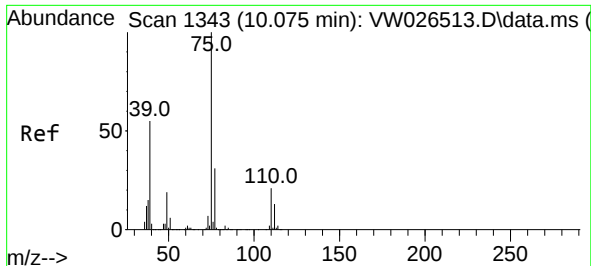
Ion Ratio Lower Upper

83 100

85 60.5 45.4 84.2

127 6.6 5.2 7.8





#39

cis-1,3-Dichloropropene

Concen: 2.264 ug/L

RT: 10.075 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

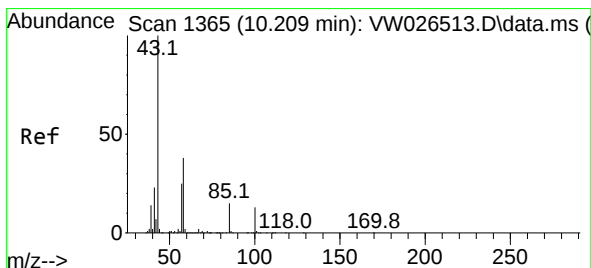
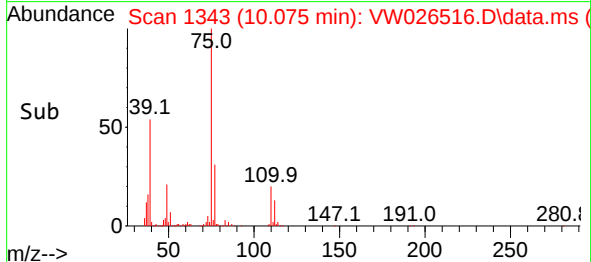
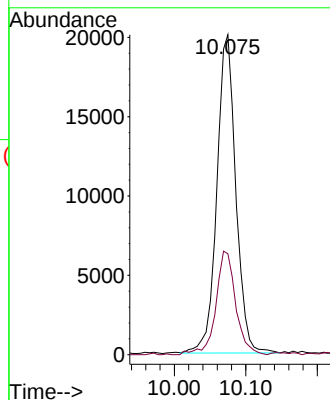
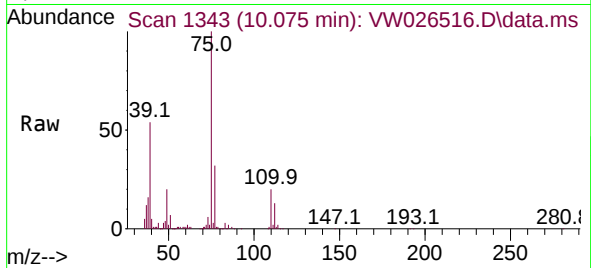
VSTD2.5403

Tgt Ion: 75 Resp: 36918

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 4.649 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

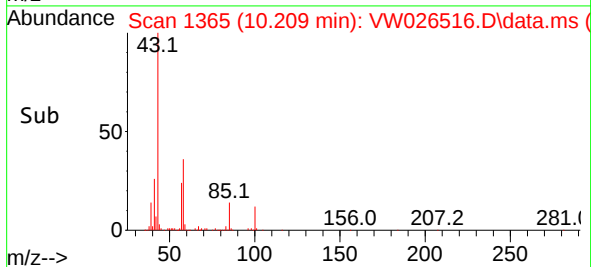
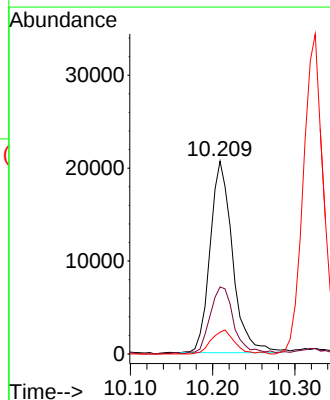
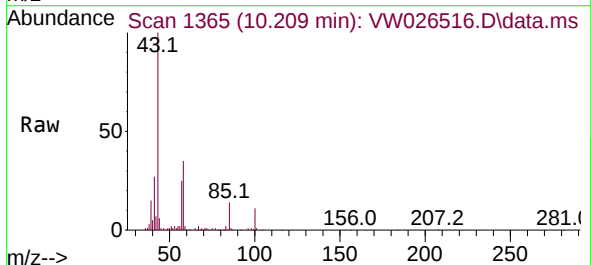
Tgt Ion: 43 Resp: 39194

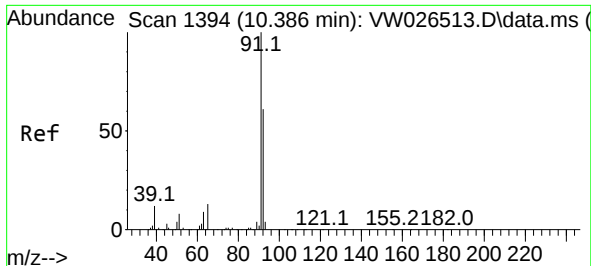
Ion Ratio Lower Upper

43 100

58 36.1 29.8 44.8

100 12.7 10.6 15.8

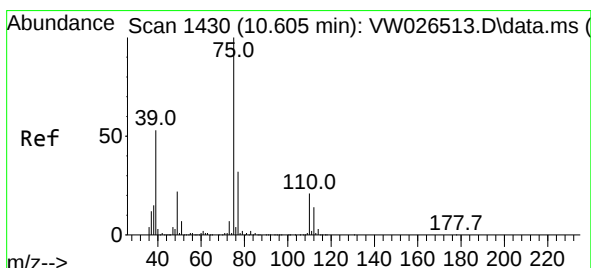
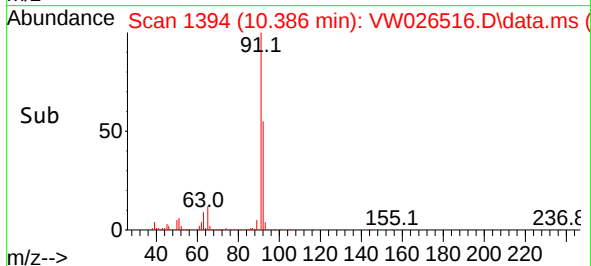
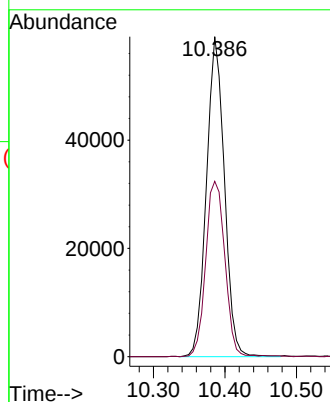
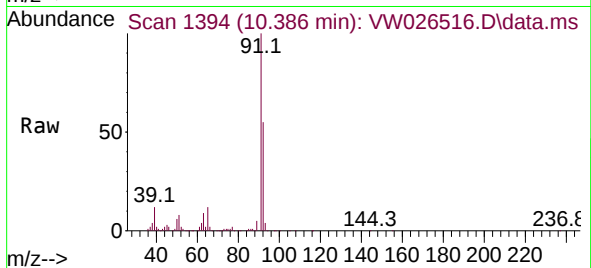




#42  
Toluene  
Concen: 2.484 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

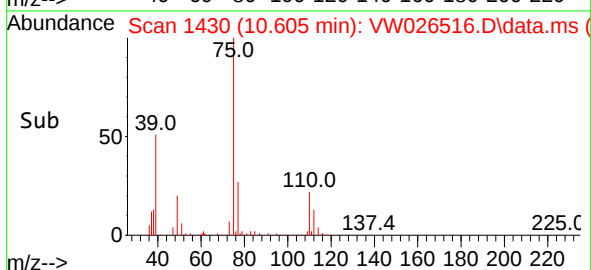
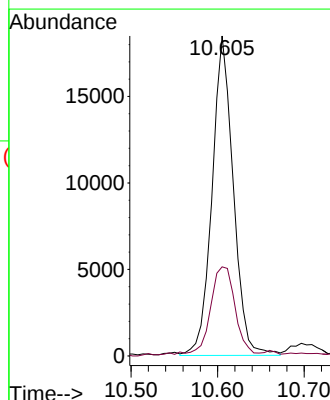
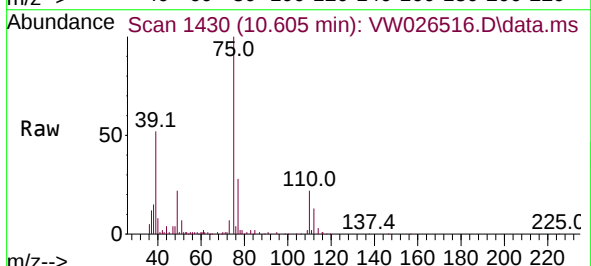
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

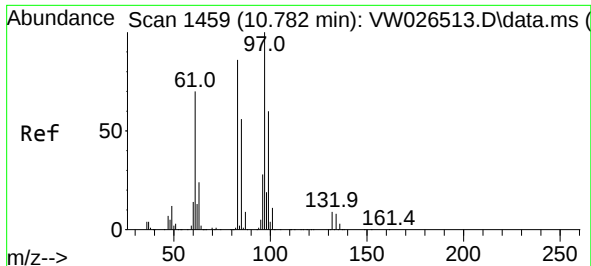
Tgt Ion: 91 Resp: 102986  
Ion Ratio Lower Upper  
91 100  
92 54.8 42.4 78.8



#44  
trans-1,3-Dichloropropene  
Concen: 2.297 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 75 Resp: 31507  
Ion Ratio Lower Upper  
75 100  
77 27.9 22.6 42.0

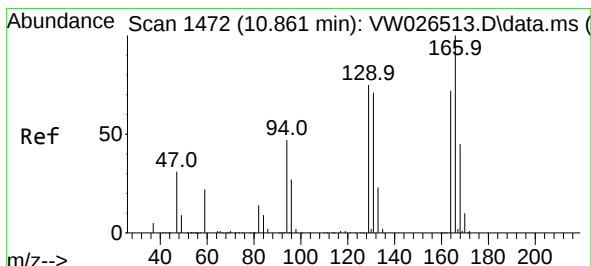
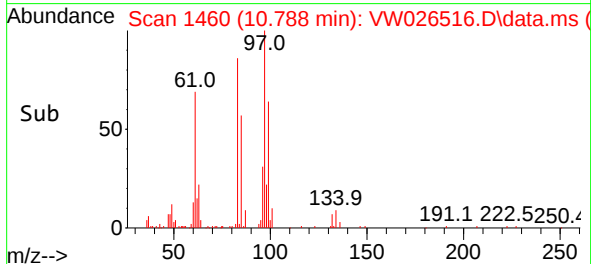
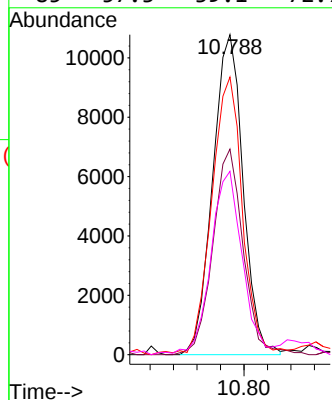
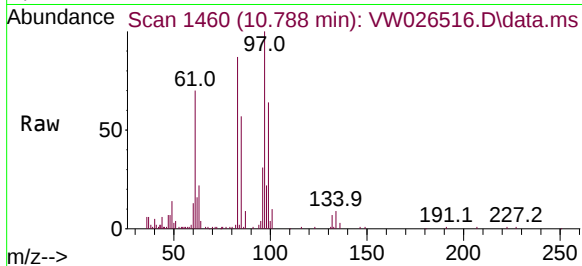




#45  
1,1,2-Trichloroethane  
Concen: 2.501 ug/L  
RT: 10.788 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

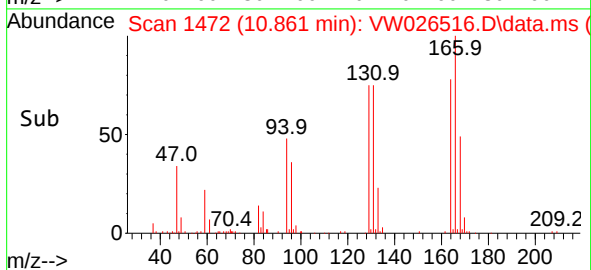
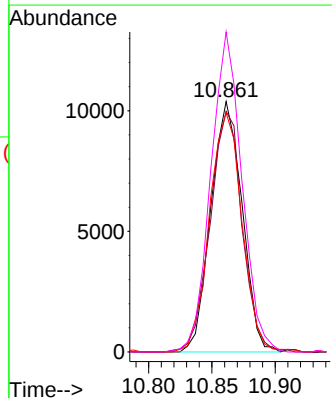
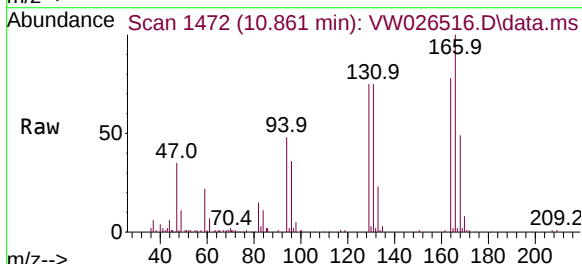
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

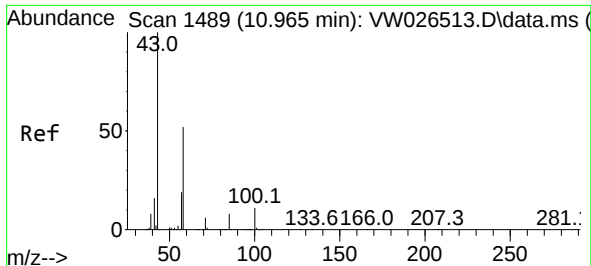
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 97 | Resp: | 19351 |       |
| Ion         | Ratio | Lower | Upper |
| 97          | 100   |       |       |
| 99          | 64.2  | 42.1  | 78.1  |
| 83          | 86.8  | 59.9  | 111.3 |
| 85          | 57.3  | 39.1  | 72.7  |



#46  
Tetrachloroethene  
Concen: 2.538 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 17817 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 96.1    | 73.0  | 135.6 |
| 131 | 95.6    | 69.2  | 128.6 |
| 166 | 127.8   | 97.8  | 181.6 |

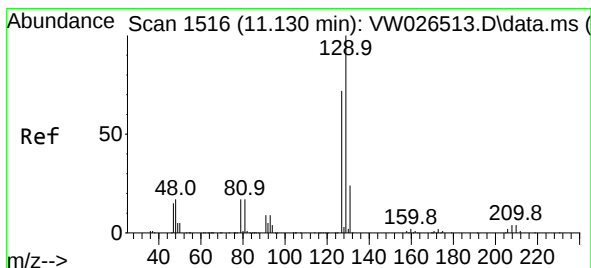
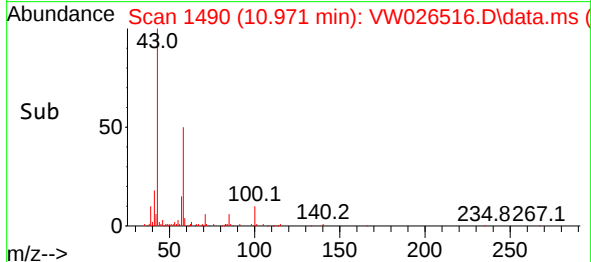
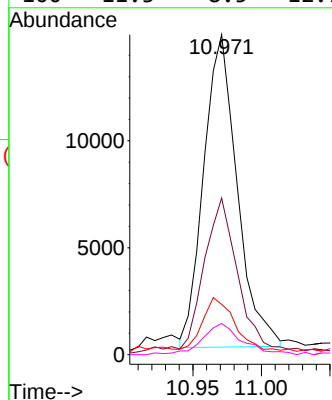
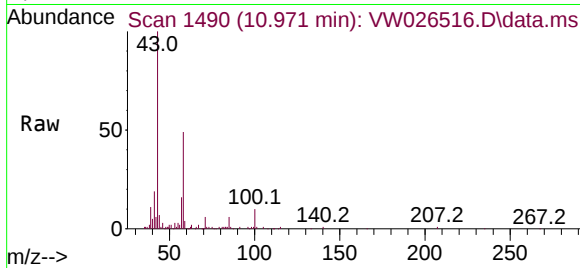




#48  
2-Hexanone  
Concen: 4.357 ug/L  
RT: 10.971 min Scan# 1489  
Delta R.T. 0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

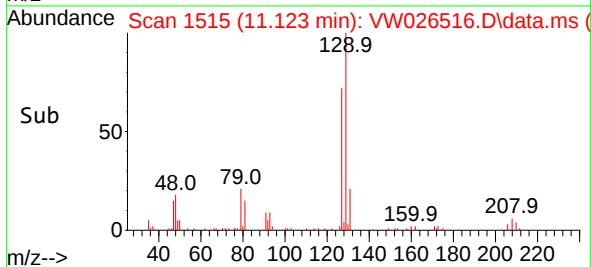
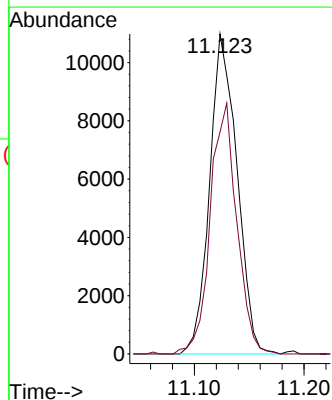
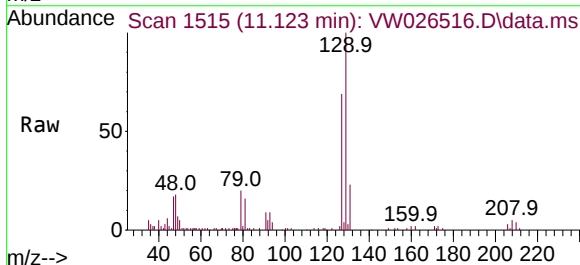
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

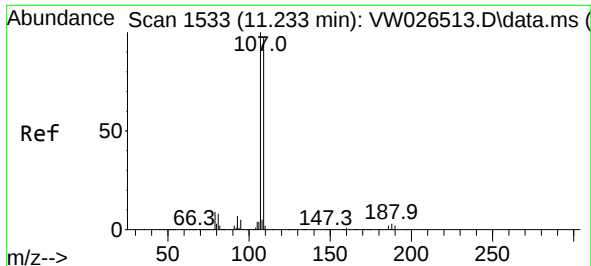
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 24799 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 49.9     | 39.9 59.9   |
| 57 18.1     | 14.1 21.1   |
| 100 11.3    | 8.5 12.7    |



#49  
Dibromochloromethane  
Concen: 2.403 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 19072 |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 69.3  | 50.0  | 93.0  |





#50

1,2-Dibromoethane

Concen: 2.426 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5403

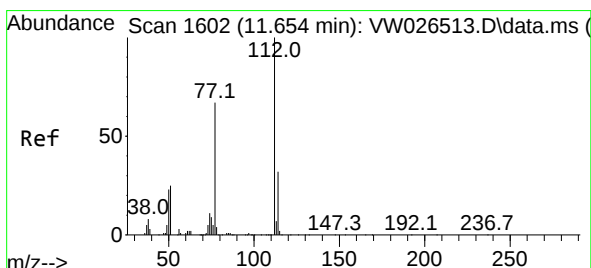
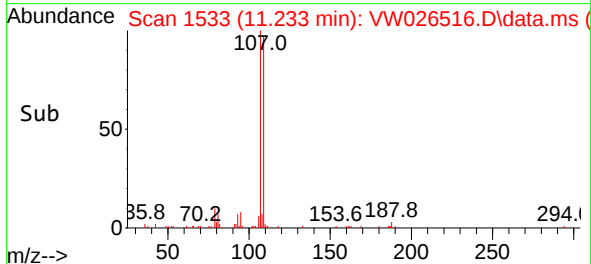
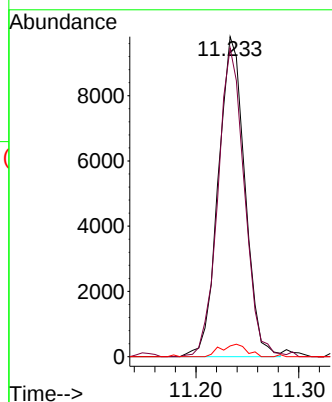
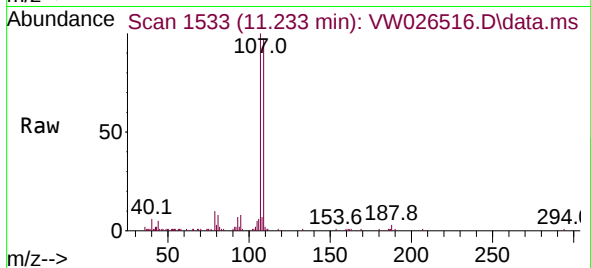
Tgt Ion:107 Resp: 17608

Ion Ratio Lower Upper

107 100

109 96.5 67.7 125.7

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 2.552 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

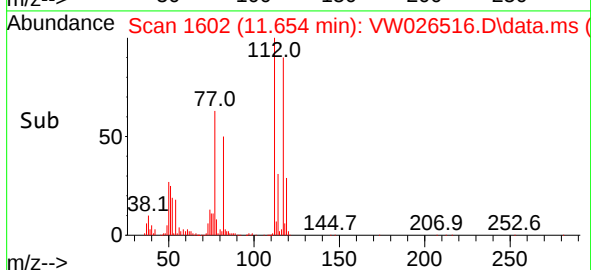
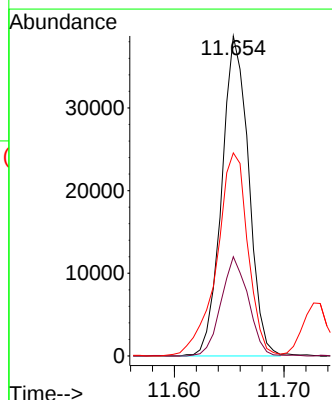
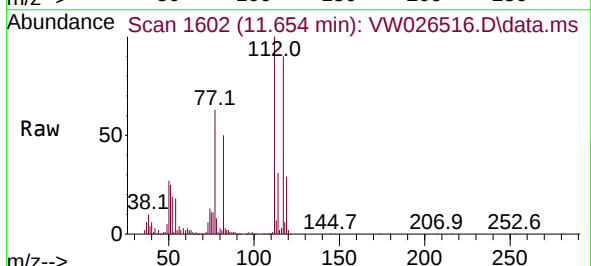
Tgt Ion:112 Resp: 65911

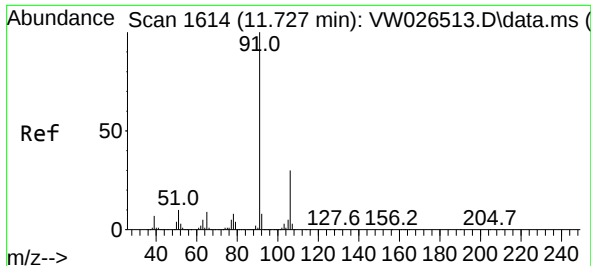
Ion Ratio Lower Upper

112 100

114 31.0 22.2 41.2

77 63.4 53.4 80.2

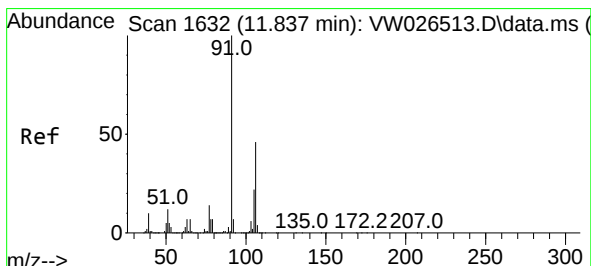
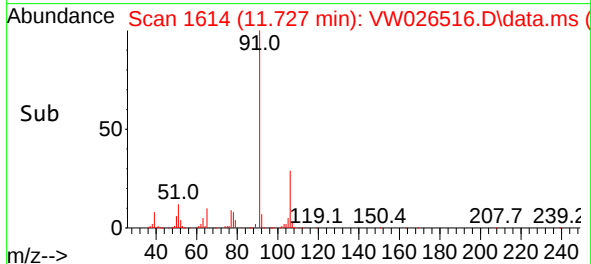
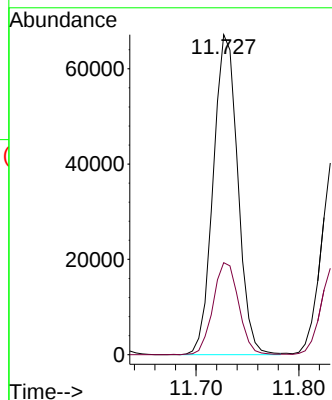
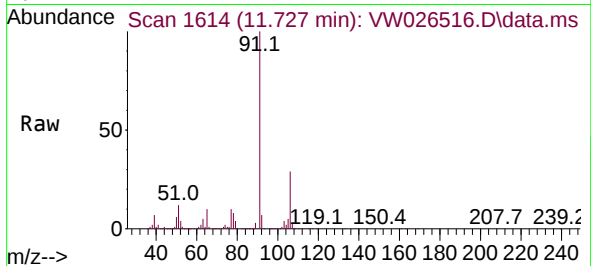




#52  
Ethylbenzene  
Concen: 2.376 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

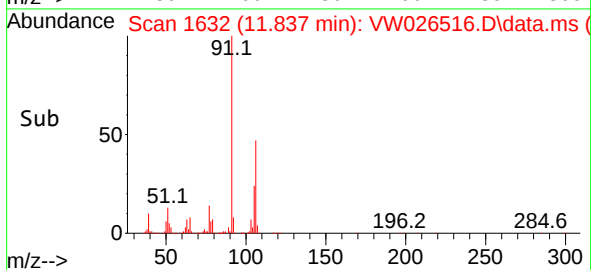
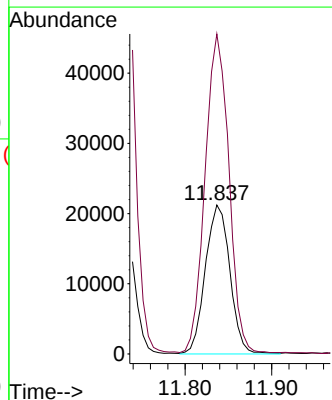
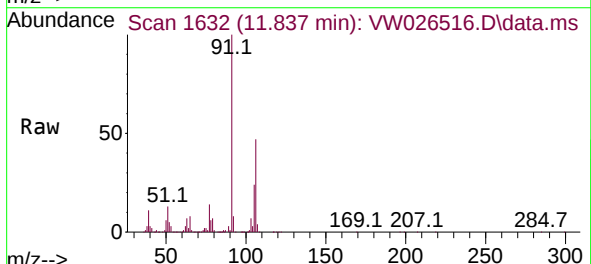
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

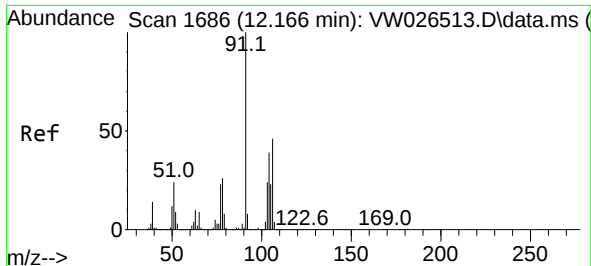
Tgt Ion: 91 Resp: 111478  
Ion Ratio Lower Upper  
91 100  
106 28.7 20.7 38.5



#53  
m,p-Xylene  
Concen: 2.416 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion: 106 Resp: 41829  
Ion Ratio Lower Upper  
106 100  
91 214.7 152.7 283.7

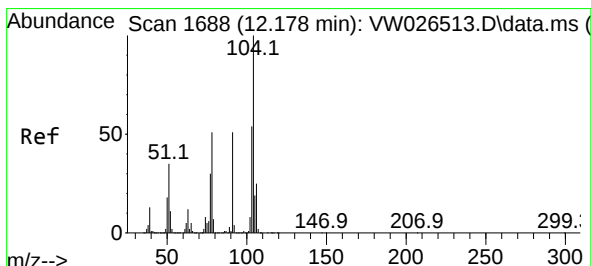
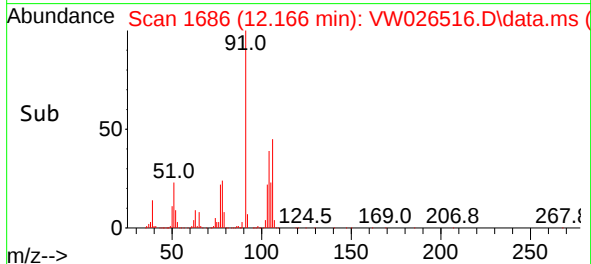
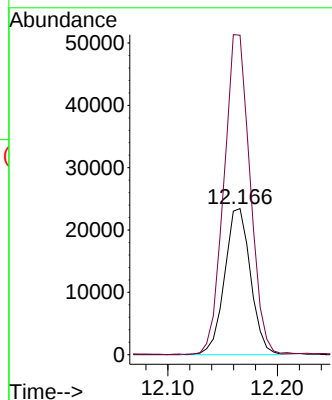
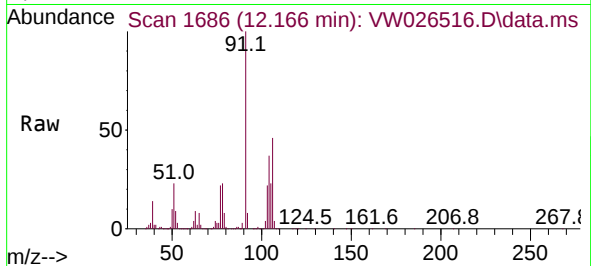




#54  
o-Xylene  
Concen: 2.331 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

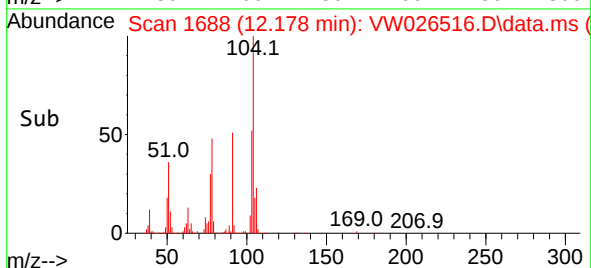
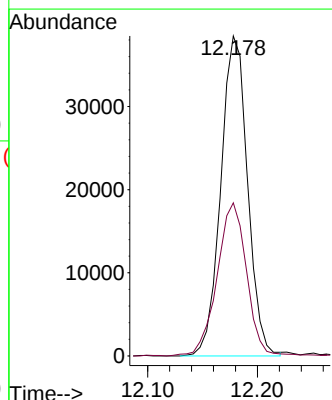
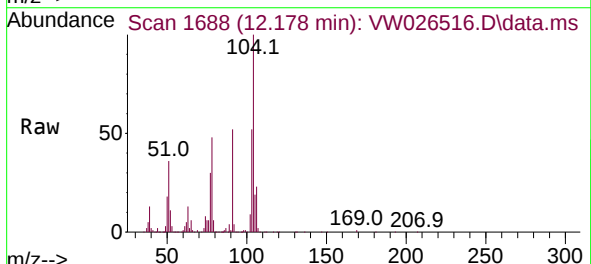
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

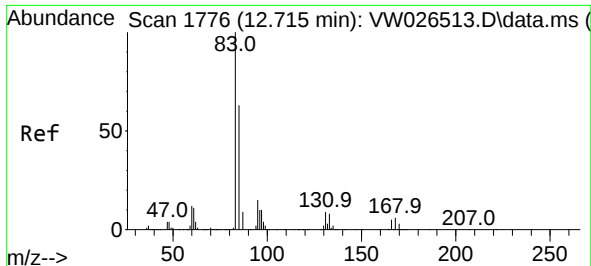
Tgt Ion:106 Resp: 38515  
Ion Ratio Lower Upper  
106 100  
91 218.6 151.8 282.0



#55  
Styrene  
Concen: 2.321 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion:104 Resp: 65306  
Ion Ratio Lower Upper  
104 100  
78 47.8 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 2.481 ug/L

RT: 12.715 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5403

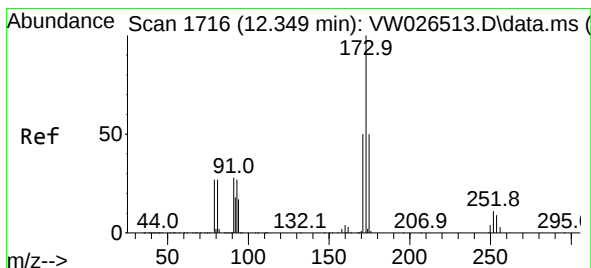
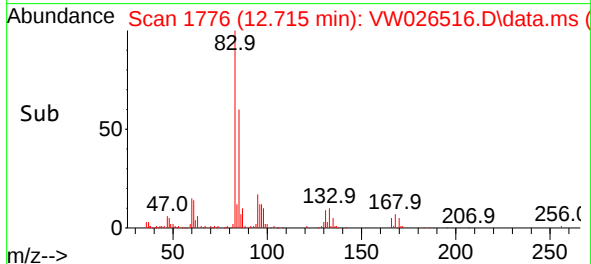
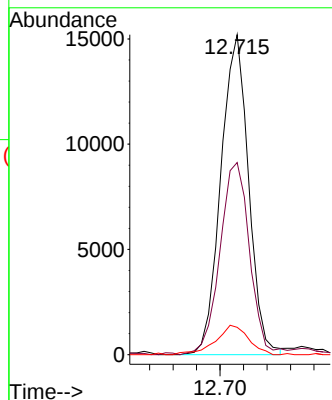
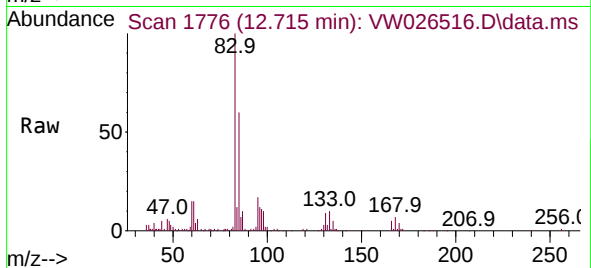
Tgt Ion: 83 Resp: 24900

Ion Ratio Lower Upper

83 100

85 60.0 44.4 82.5

131 8.5 7.2 10.8



#59

Bromoform

Concen: 2.334 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

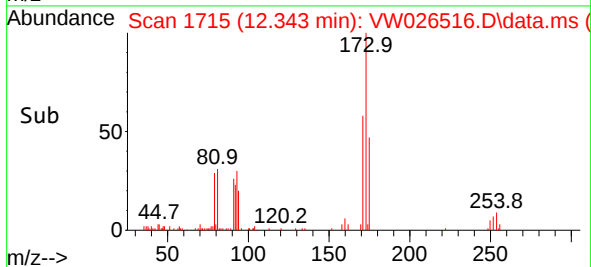
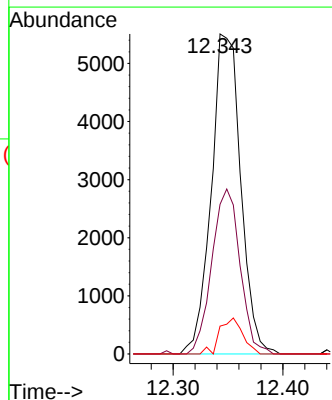
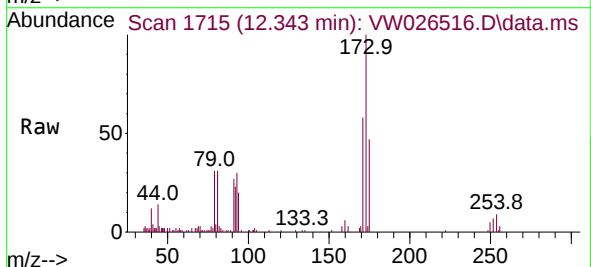
Tgt Ion: 173 Resp: 10284

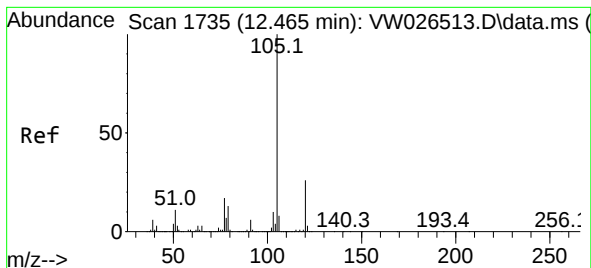
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 8.4 7.0 10.6





#60

Isopropylbenzene

Concen: 2.405 ug/L

RT: 12.459 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5403

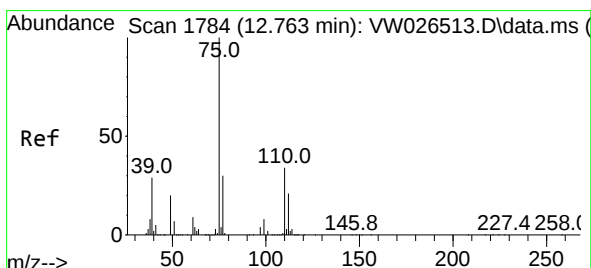
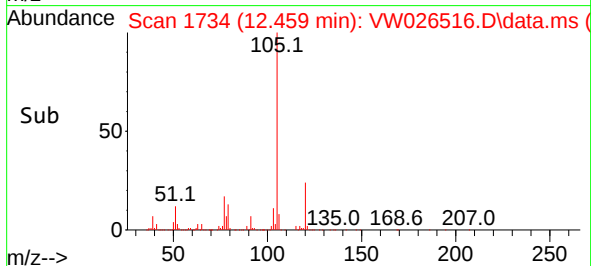
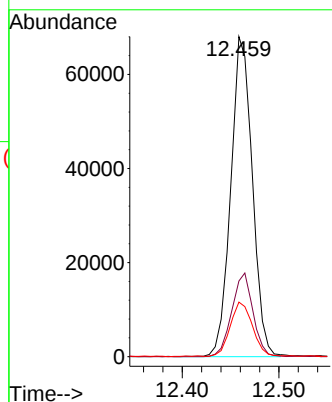
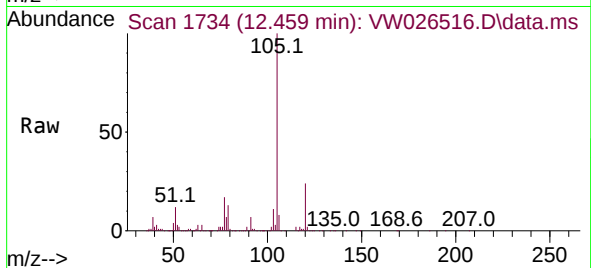
Tgt Ion:105 Resp: 105491

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

77 17.5 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 2.561 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

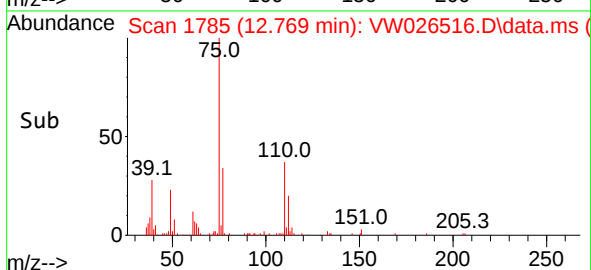
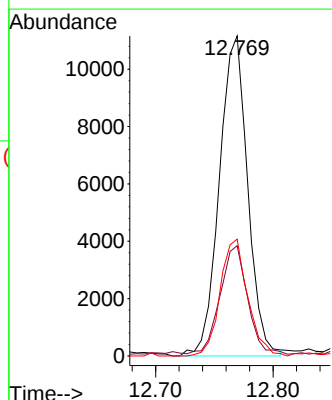
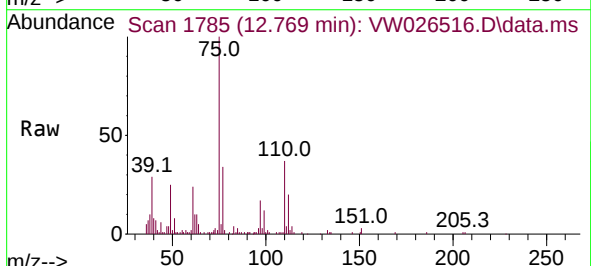
Tgt Ion: 75 Resp: 18707

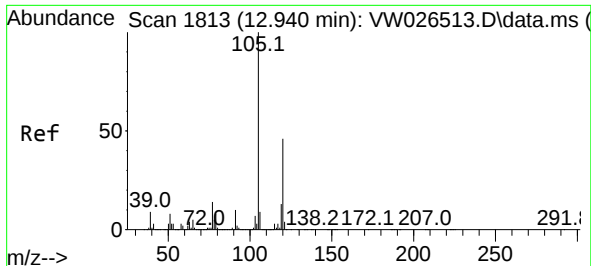
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

110 35.4 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 2.297 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

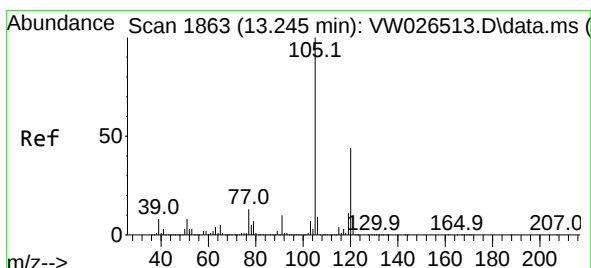
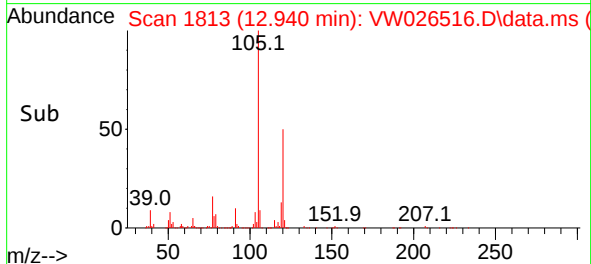
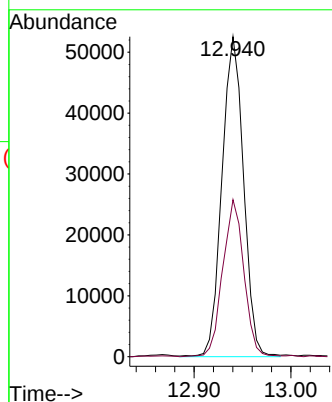
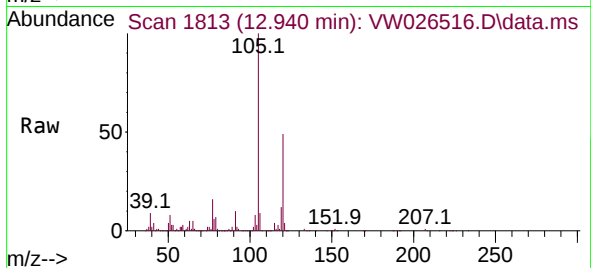
VSTD2.5403

Tgt Ion:105 Resp: 81356

Ion Ratio Lower Upper

105 100

120 47.6 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 2.228 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026516.D

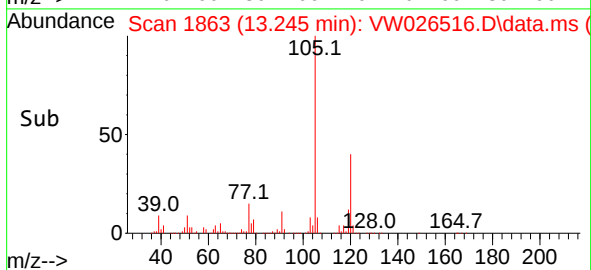
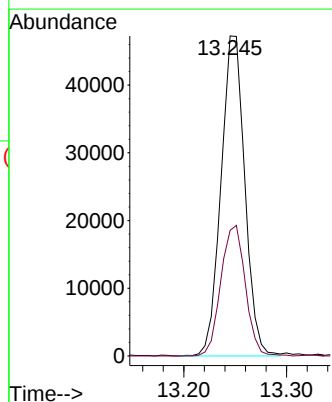
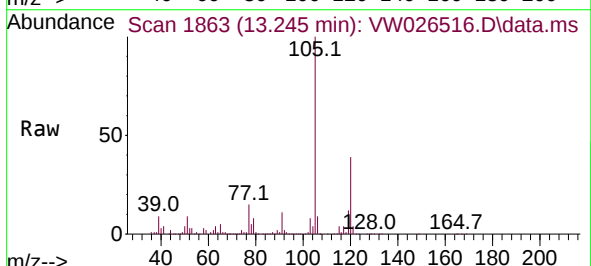
Acq: 03 Jul 2023 19:32

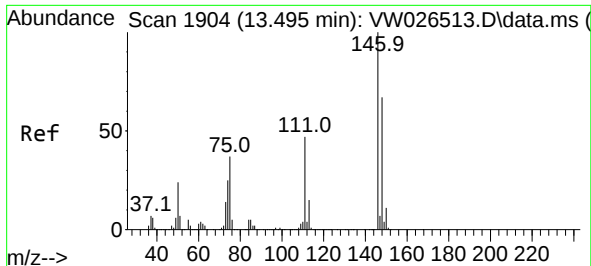
Tgt Ion:105 Resp: 76085

Ion Ratio Lower Upper

105 100

120 41.9 35.5 53.3

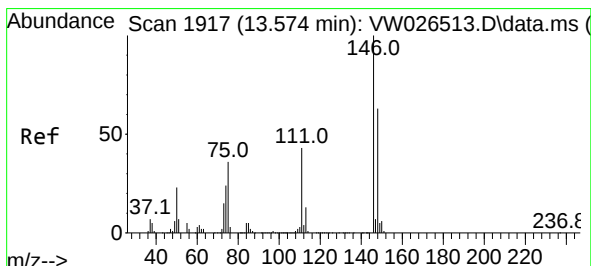
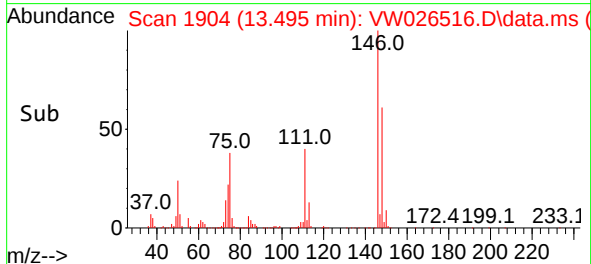
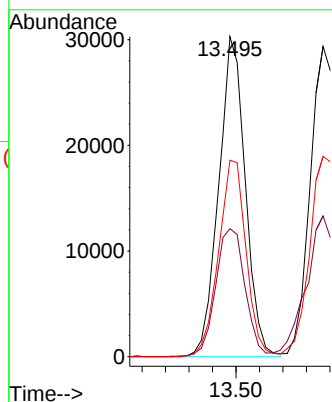
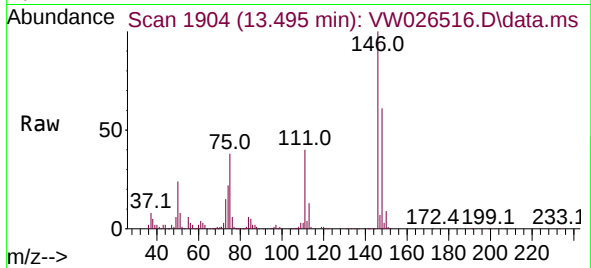




#64  
1,3-Dichlorobenzene  
Concen: 2.592 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

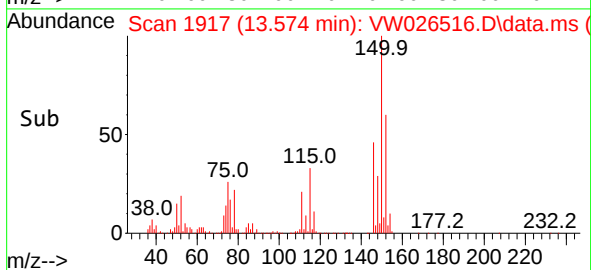
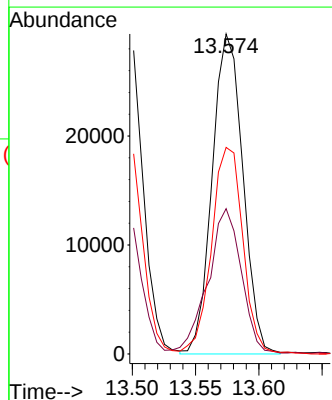
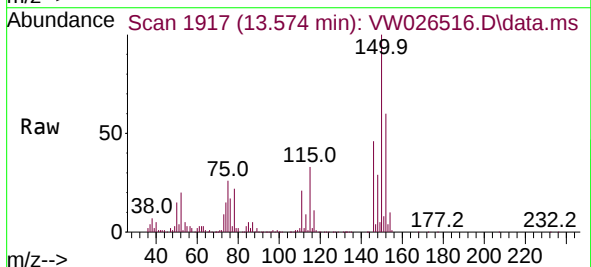
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5403

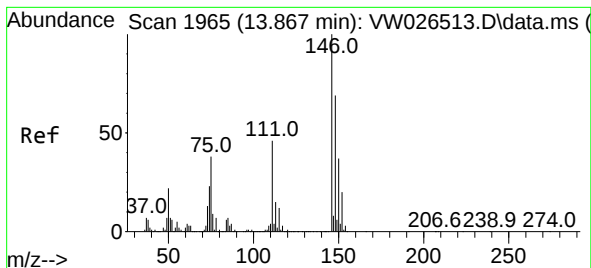
Tgt Ion:146 Resp: 47629  
Ion Ratio Lower Upper  
146 100  
111 40.0 32.7 60.7  
148 61.4 47.0 87.2



#65  
1,4-Dichlorobenzene  
Concen: 2.682 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW026516.D  
Acq: 03 Jul 2023 19:32

Tgt Ion:146 Resp: 49505  
Ion Ratio Lower Upper  
146 100  
111 45.4 30.2 56.0  
148 64.6 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 2.563 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5403

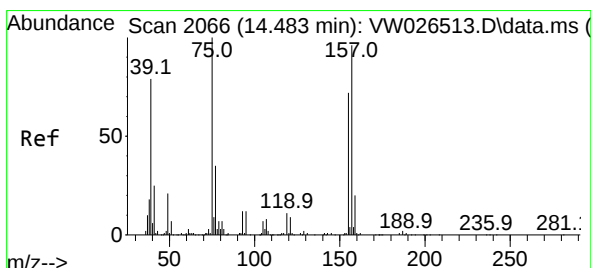
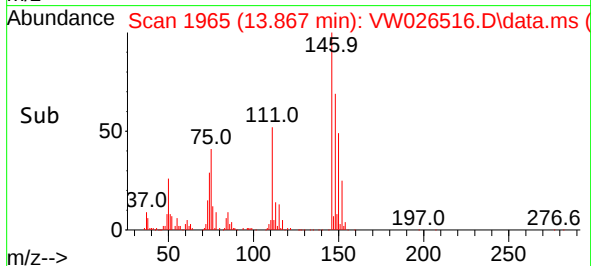
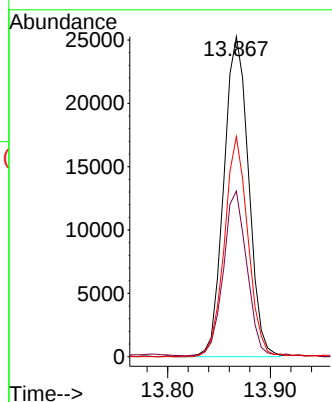
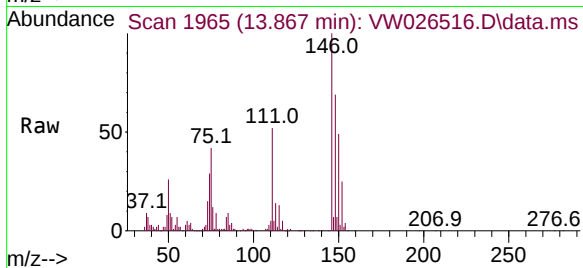
Tgt Ion:146 Resp: 42138

Ion Ratio Lower Upper

146 100

111 51.8 36.6 55.0

148 68.8 55.1 82.7



#68

1,2-Dibromo-3-chloropropane

Concen: 2.847 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

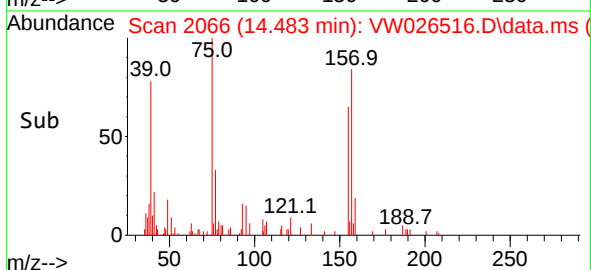
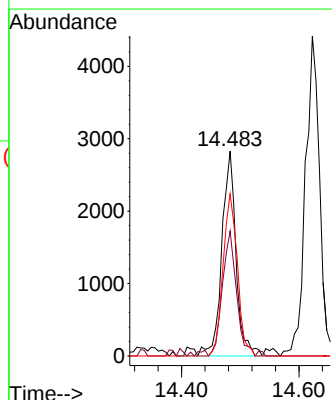
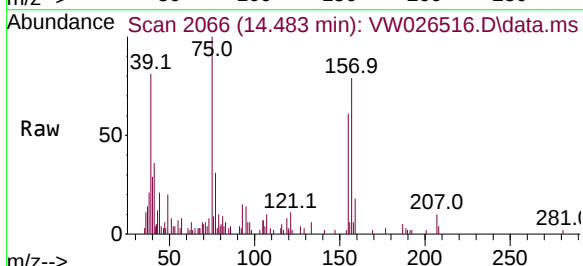
Tgt Ion: 75 Resp: 4976

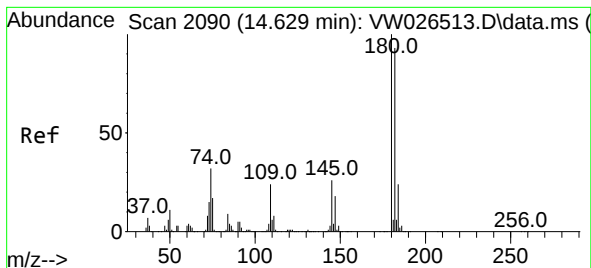
Ion Ratio Lower Upper

75 100

155 61.0 57.3 85.9

157 79.1 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 2.613 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5403

Tgt Ion:180 Resp: 31774

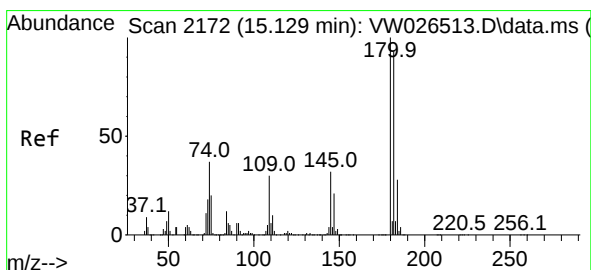
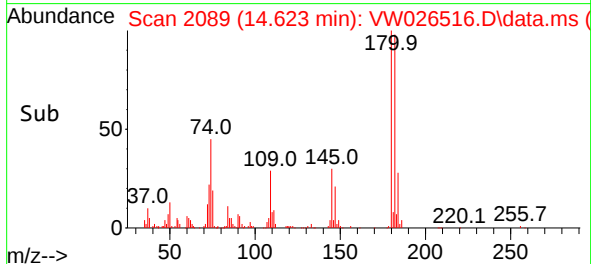
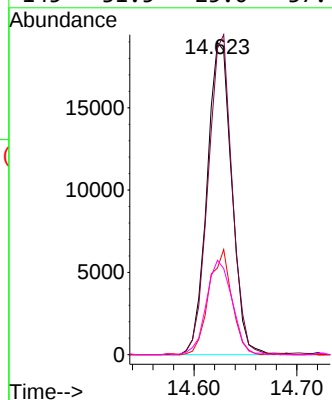
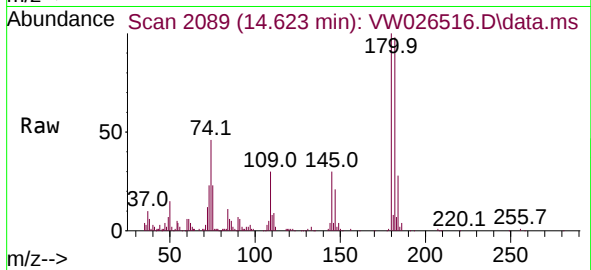
Ion Ratio Lower Upper

180 100

182 98.7 75.5 113.3

184 31.3 23.8 35.8

145 31.5 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 2.588 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

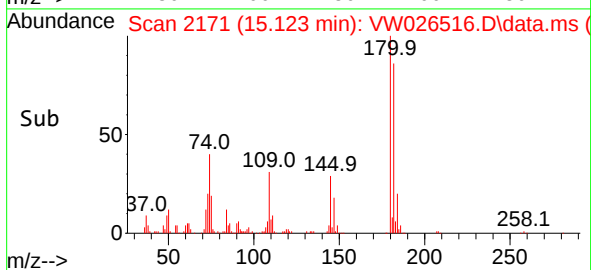
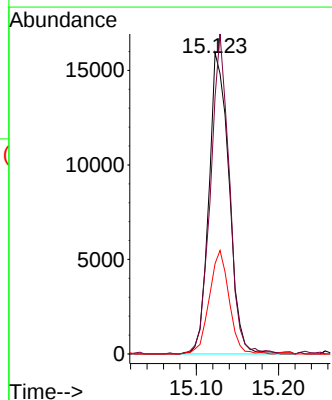
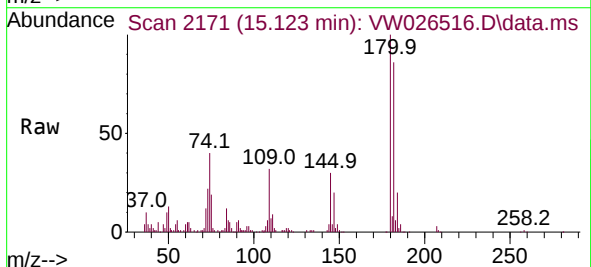
Tgt Ion:180 Resp: 27121

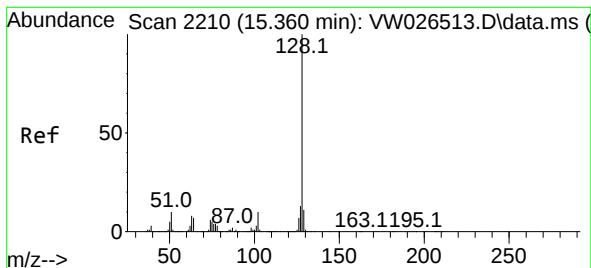
Ion Ratio Lower Upper

180 100

182 98.5 74.5 111.7

145 33.6 25.9 38.9





#71

Naphthalene

Concen: 2.323 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5403

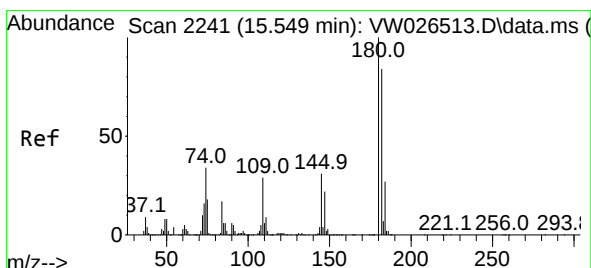
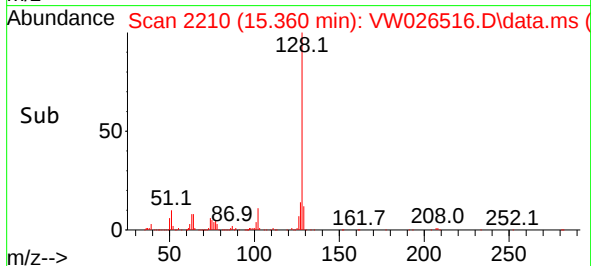
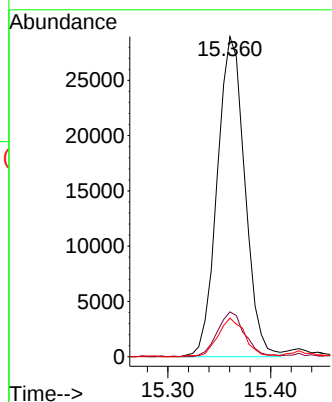
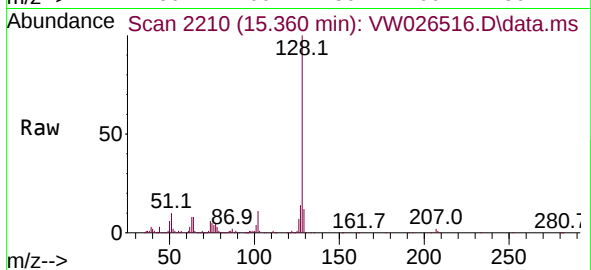
Tgt Ion:128 Resp: 54025

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

129 11.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 2.731 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026516.D

Acq: 03 Jul 2023 19:32

Tgt Ion:180 Resp: 25525

Ion Ratio Lower Upper

180 100

182 89.9 75.3 112.9

145 35.0 29.0 43.6

