

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW060724\  
 Data File : VW029067.D  
 Acq On : 07 Jun 2024 17:05  
 Operator : SY/MD  
 Sample : P2776-03MSD  
 Misc : 5.90g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4CY6MSD

Quant Time: Jun 07 23:11:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 07 23:05:54 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 467327   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 333591   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 102878   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 155939   | 21.004   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.000%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 122969   | 21.570   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 67902    | 20.809   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.240%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 84097    | 55.442   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.880% |
| 24) Chloroform-d              | 7.648  | 84    | 300926   | 22.571   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 90.280%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 165892   | 23.634   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.520%  |
| 32) Benzene-d6                | 8.276  | 84    | 594472   | 29.034   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 116.120% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 182188   | 29.347   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 117.400% |
| 41) Toluene-d8                | 10.318 | 98    | 460244   | 25.189   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 100.760% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 54306    | 22.766   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.080%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 49563    | 60.500   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 121.000% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 116373   | 26.984   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 107.920% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 78045    | 21.378   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 85.520%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 83492    | 15.646   | ug/L   | 95       |
| 3) Chloromethane              | 2.222  | 50    | 116634   | 17.890   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 137921   | 17.477   | ug/L   | 100      |
| 6) Bromomethane               | 2.789  | 94    | 64906    | 13.727   | ug/L   | 96       |
| 8) Chloroethane               | 2.936  | 64    | 83383    | 17.496   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 111674   | 17.024   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 95303    | 14.724   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 106975   | 18.110   | ug/L   | 96       |
| 13) Acetone                   | 4.118  | 43    | 41839    | 26.320   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.393  | 76    | 304644   | 15.233   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 42705    | 16.175   | ug/L   | 98       |
| 16) Methylene chloride        | 4.923  | 84    | 131937   | 18.811   | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 117049   | 18.174   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 196877   | 21.921   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 242885   | 19.182   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 127853   | 18.935   | ug/L   | 99       |
| 22) 2-Butanone                | 7.173  | 43    | 69674    | 36.374   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 55920    | 18.973   | ug/L   | 95       |
| 25) Chloroform                | 7.673  | 83    | 231074   | 18.789   | ug/L   | 94       |

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 Sample : P2776-03MSD  
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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
 A4CY6MSD

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 07 23:05:54 2024  
 Response via : Initial Calibration

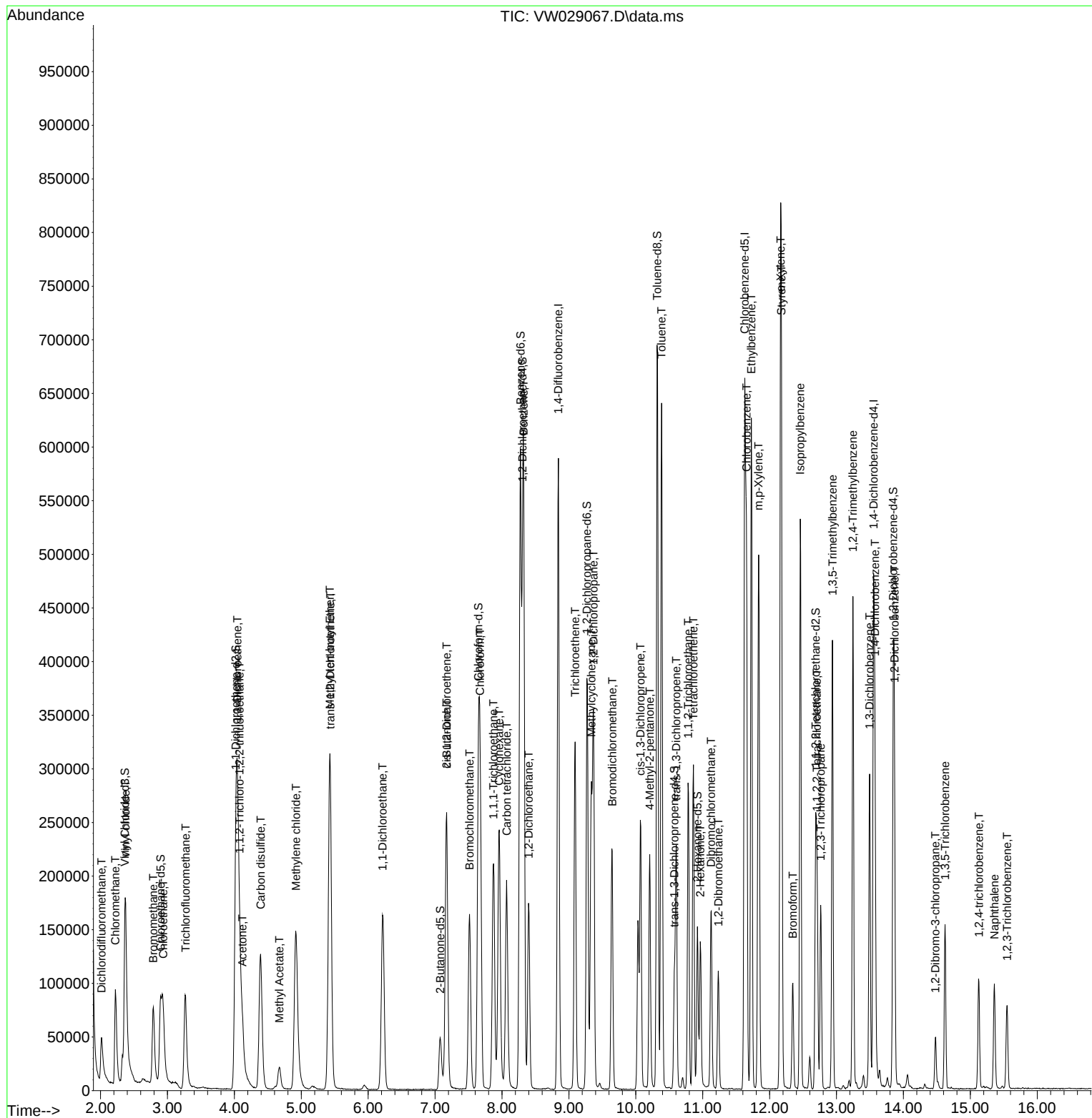
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 159317   | 19.331 | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 142425   | 17.172 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 174914   | 22.630 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 143733   | 20.416 | ug/L   | 96       |
| 33) Benzene                   | 8.325  | 78   | 496775   | 23.949 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 113701   | 20.850 | ug/L   | 83       |
| 35) Methylcyclohexane         | 9.337  | 83   | 104983   | 11.348 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 132374   | 24.370 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.648  | 83   | 153667   | 23.196 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 148545   | 18.817 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 147366   | 53.338 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 455606   | 21.501 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 121326   | 19.064 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 87706    | 23.908 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 68139    | 16.446 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.965 | 43   | 89946    | 43.422 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 86830    | 22.409 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 76626    | 22.881 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.654 | 112  | 247597   | 18.190 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 429922   | 17.857 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 155639   | 17.453 | ug/L   | 91       |
| 54) o-Xylene                  | 12.166 | 106  | 146559   | 17.749 | ug/L   | 99       |
| 55) Styrene                   | 12.178 | 104  | 228156   | 16.027 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 89507    | 21.613 | ug/L   | 96       |
| 59) Bromoform                 | 12.349 | 173  | 44713    | 33.799 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 330922   | 22.729 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 71893    | 37.047 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 215606   | 20.360 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 232831   | 20.805 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 113684   | 18.170 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 111767   | 17.103 | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 100489   | 17.919 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 12646    | 30.574 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 45040    | 10.484 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 32146    | 9.233  | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 82417    | 13.893 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 26562    | 8.929  | ug/L   | 96       |

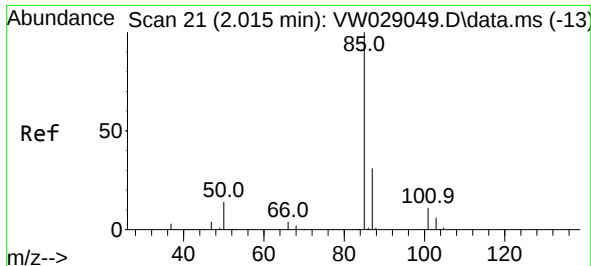
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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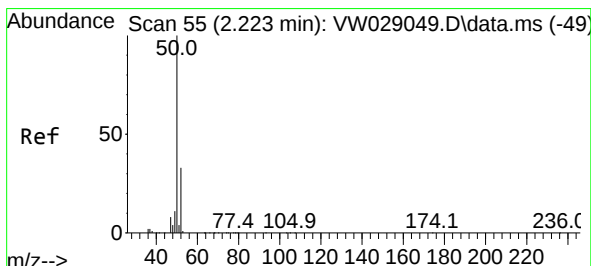
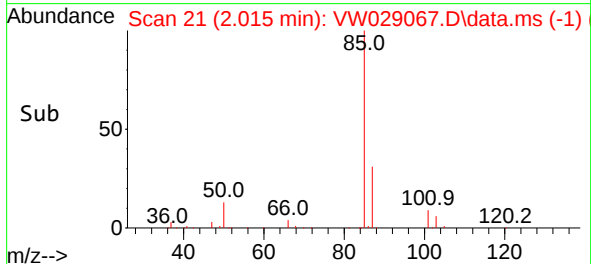
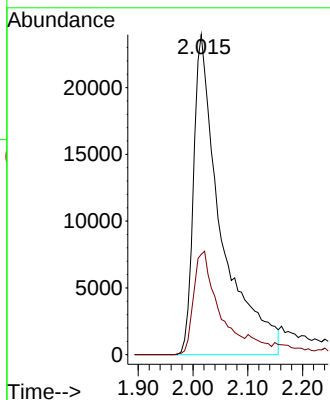
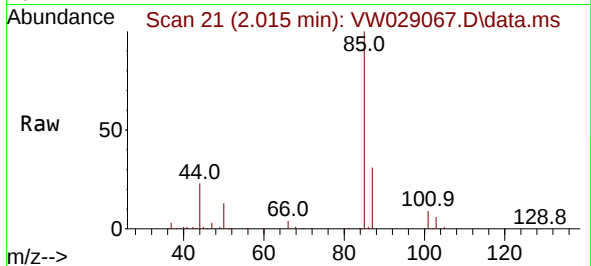




#2  
Dichlorodifluoromethane  
Concen: 15.646 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

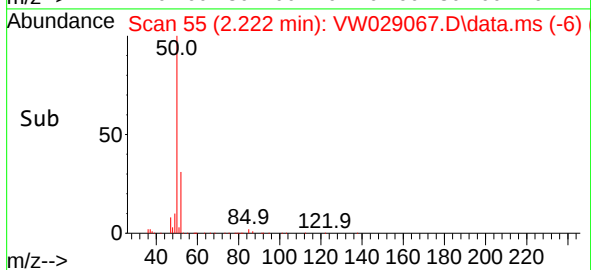
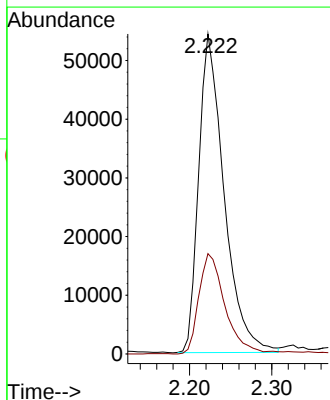
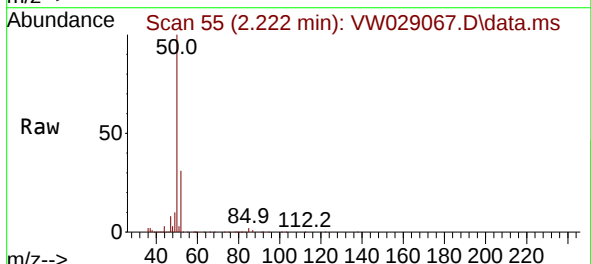
Instrument :  
MSVOA\_W  
ClientSampleId :  
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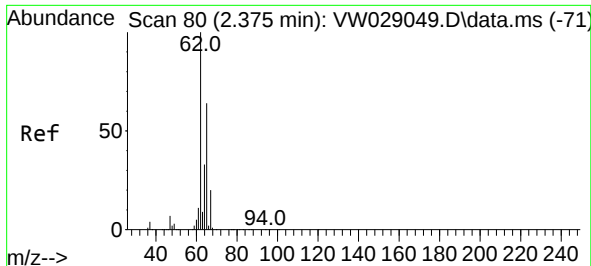
Tgt Ion: 85 Resp: 83492  
Ion Ratio Lower Upper  
85 100  
87 28.9 25.3 37.9



#3  
Chloromethane  
Concen: 17.890 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 50 Resp: 116634  
Ion Ratio Lower Upper  
50 100  
52 31.3 22.1 41.1

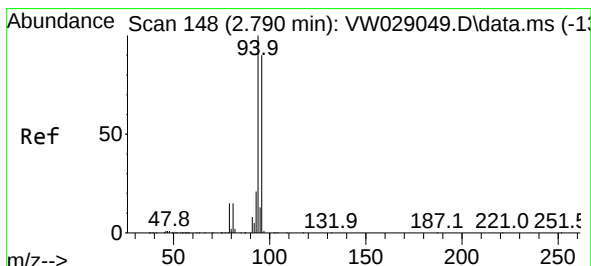
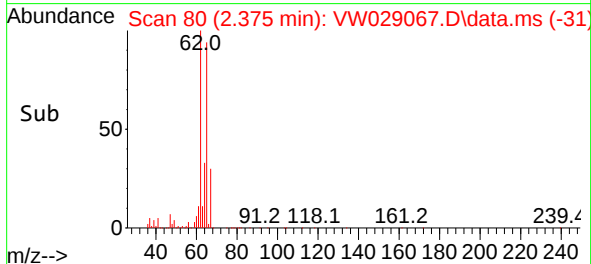
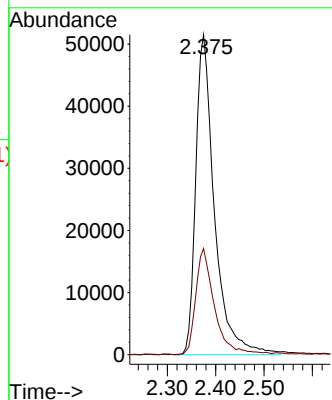
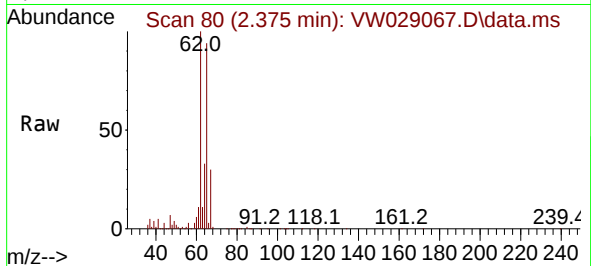




#5  
 Vinyl chloride  
 Concen: 17.477 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW029067.D  
 Acq: 07 Jun 2024 17:05

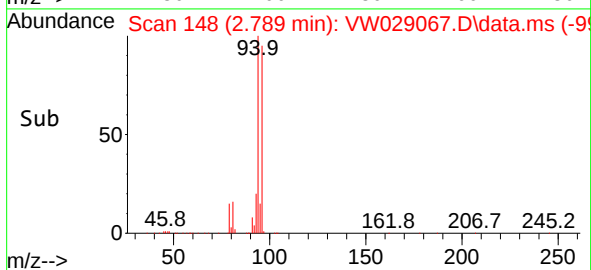
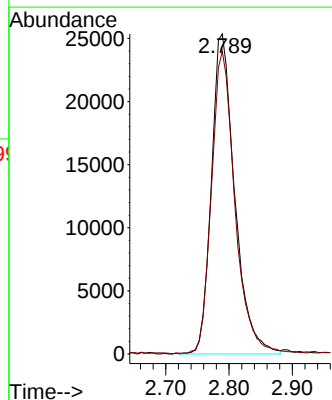
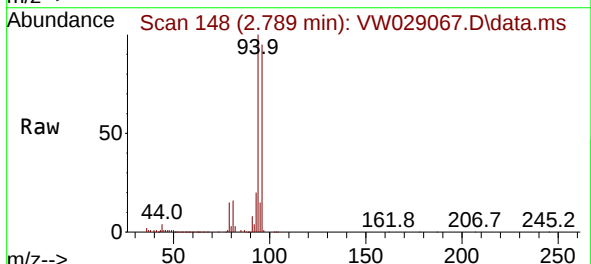
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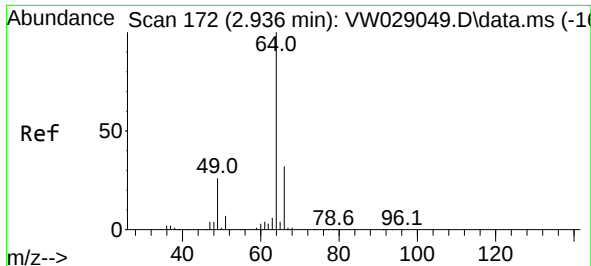
Tgt Ion: 62 Resp: 137921  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 23.4 43.4



#6  
 Bromomethane  
 Concen: 13.727 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW029067.D  
 Acq: 07 Jun 2024 17:05

Tgt Ion: 94 Resp: 64906  
 Ion Ratio Lower Upper  
 94 100  
 96 94.6 63.7 118.3

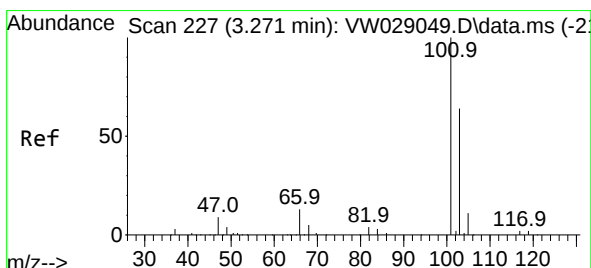
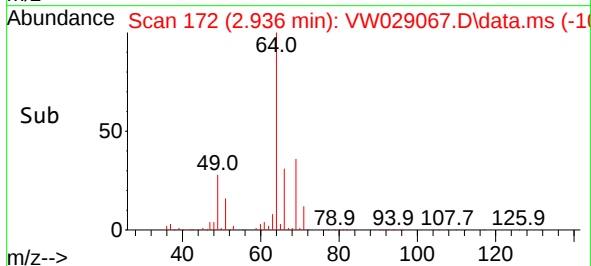
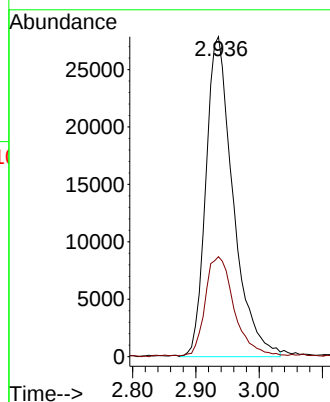
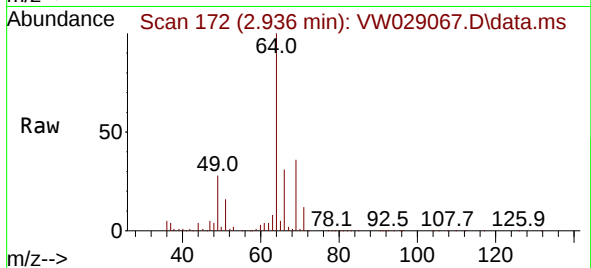




#8  
Chloroethane  
Concen: 17.496 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

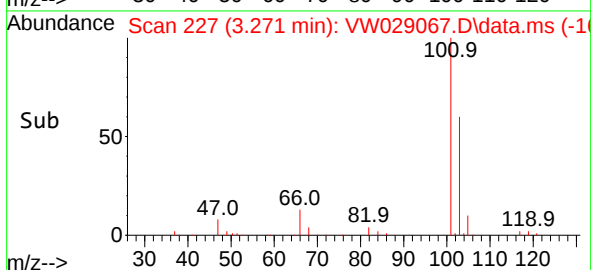
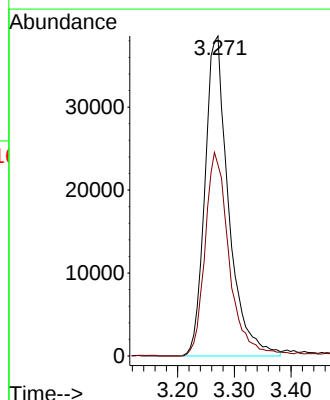
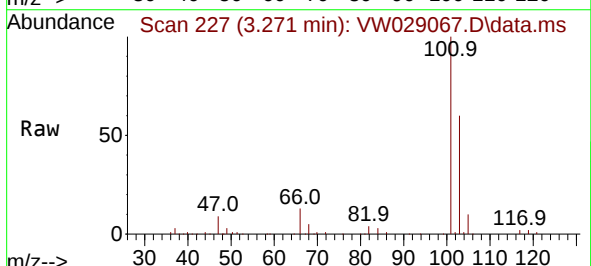
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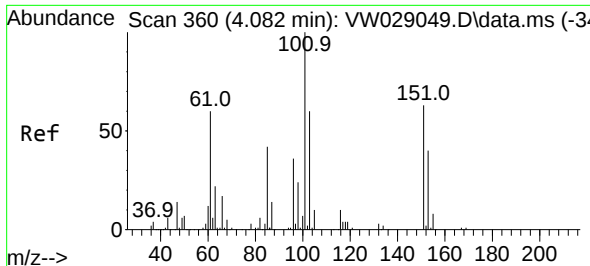
Tgt Ion: 64 Resp: 83383  
Ion Ratio Lower Upper  
64 100  
66 31.3 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 17.024 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion:101 Resp: 111674  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.3 76.9

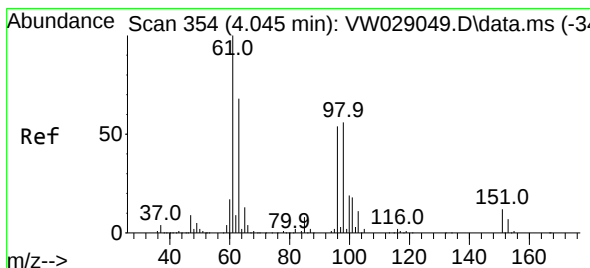
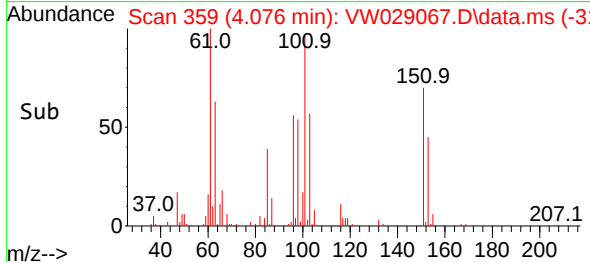
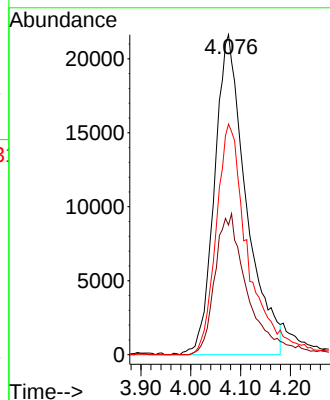
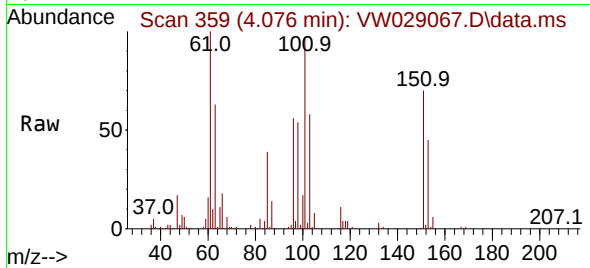




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 14.724 ug/L  
 RT: 4.076 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VW029067.D  
 Acq: 07 Jun 2024 17:05

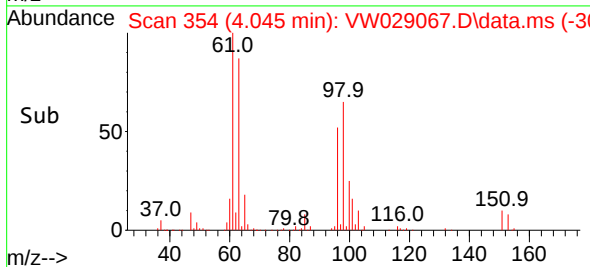
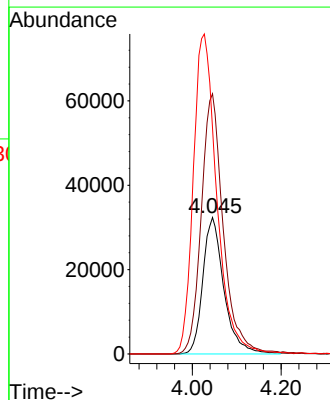
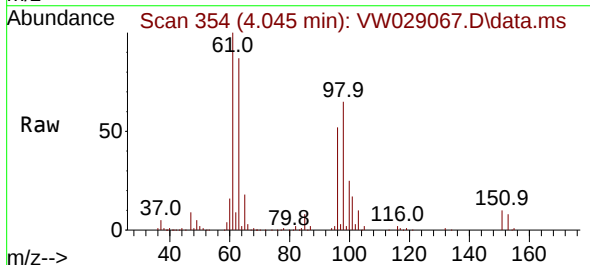
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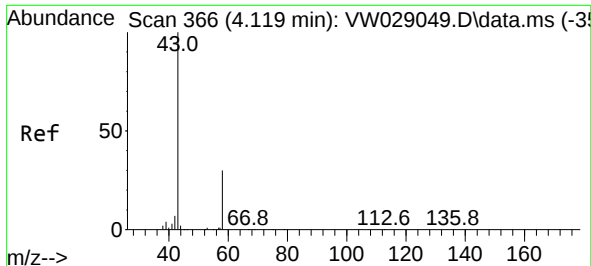
Tgt Ion:101 Resp: 95303  
 Ion Ratio Lower Upper  
 101 100  
 85 44.7 35.8 53.8  
 151 72.0 58.5 87.7



#12  
 1,1-Dichloroethene  
 Concen: 18.110 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW029067.D  
 Acq: 07 Jun 2024 17:05

Tgt Ion: 96 Resp: 106975  
 Ion Ratio Lower Upper  
 96 100  
 61 190.7 132.2 245.4  
 63 165.6 108.4 201.2

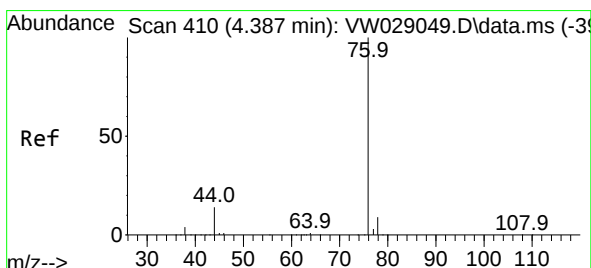
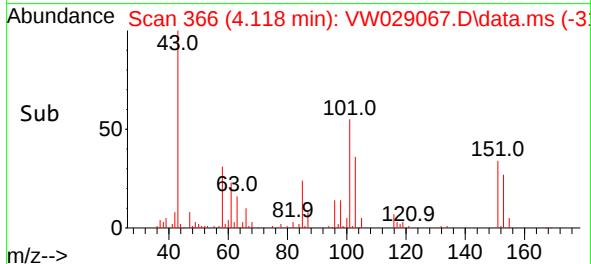
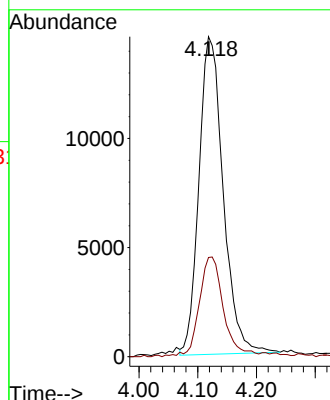
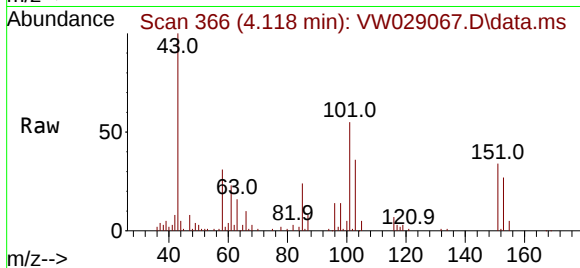




#13  
Acetone  
Concen: 26.320 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

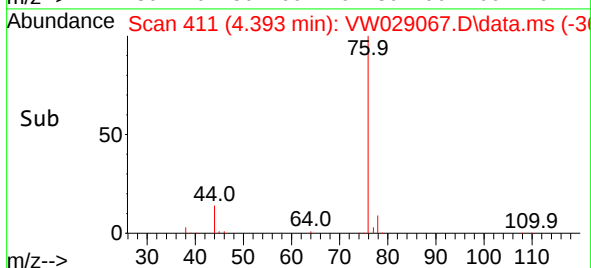
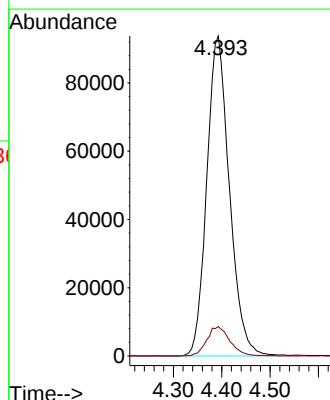
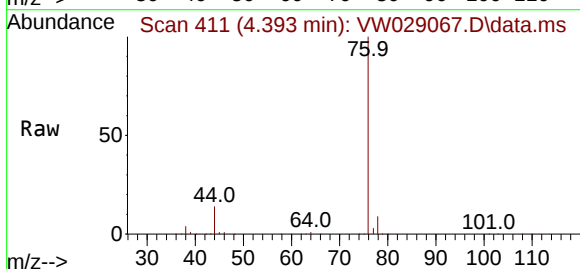
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

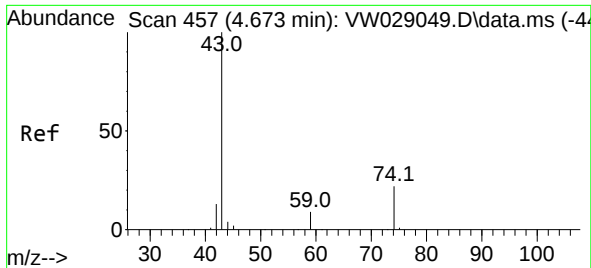
Tgt Ion: 43 Resp: 41839  
Ion Ratio Lower Upper  
43 100  
58 29.7 0.0 59.4



#14  
Carbon disulfide  
Concen: 15.233 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 76 Resp: 304644  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8

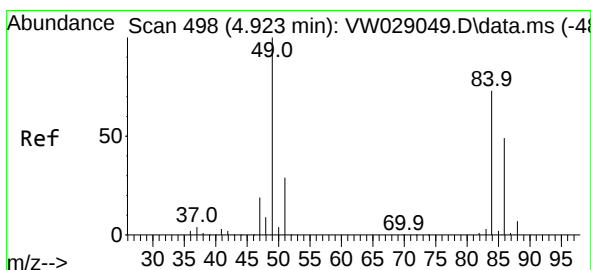
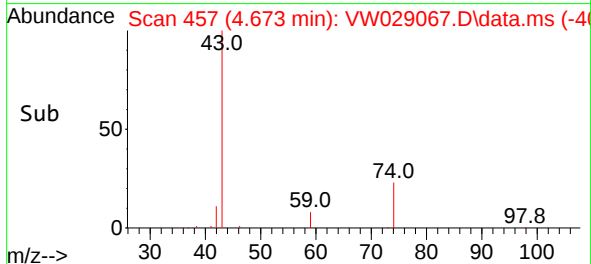
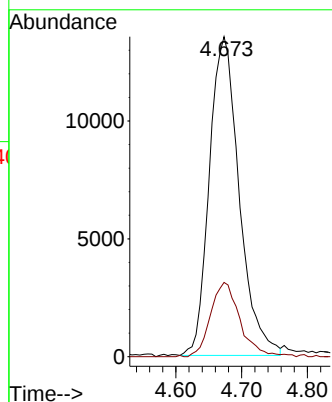
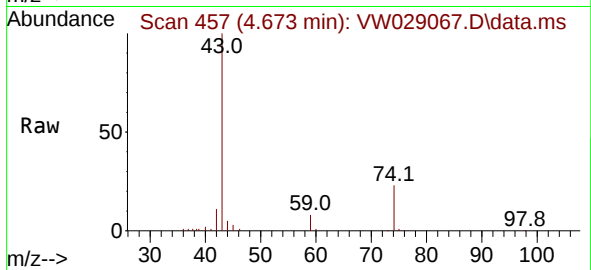




#15  
Methyl Acetate  
Concen: 16.175 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

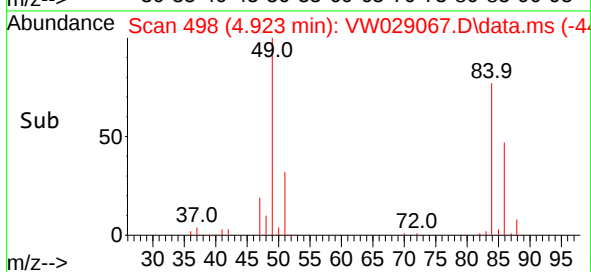
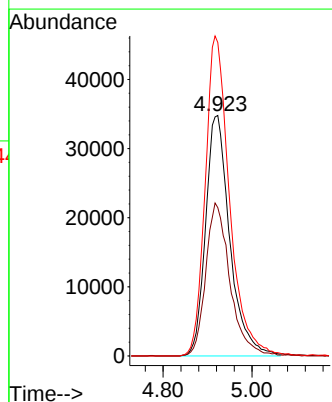
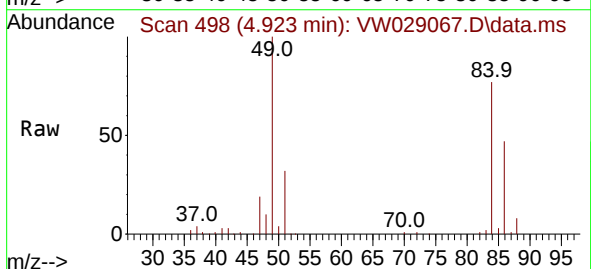
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

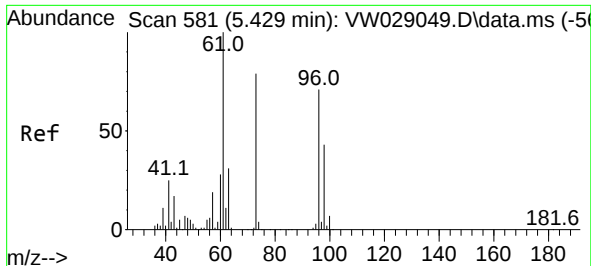
Tgt Ion: 43 Resp: 42705  
Ion Ratio Lower Upper  
43 100  
74 22.8 17.4 26.2



#16  
Methylene chloride  
Concen: 18.811 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 84 Resp: 131937  
Ion Ratio Lower Upper  
84 100  
86 61.7 43.8 81.4  
49 130.3 91.3 169.5

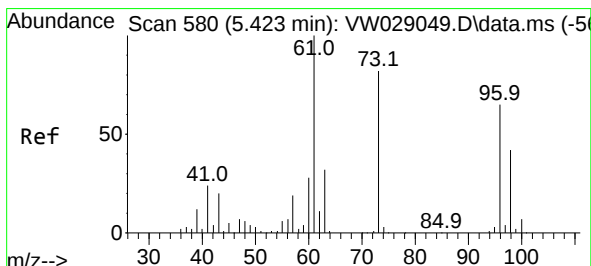
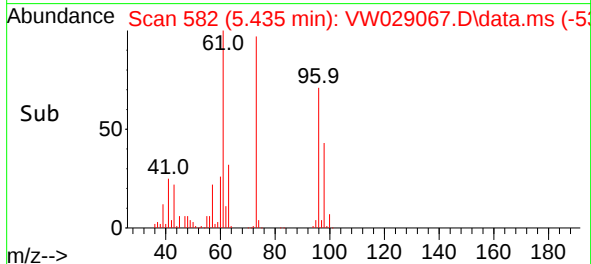
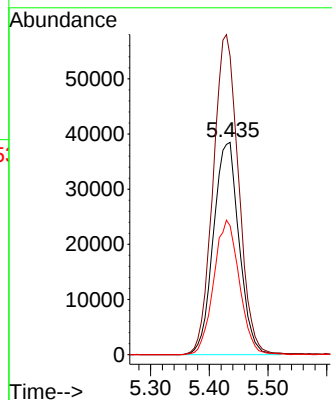
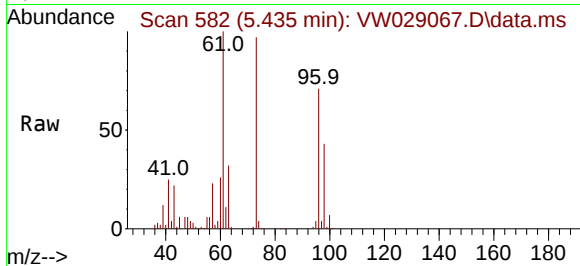




#17  
trans-1,2-Dichloroethene  
Concen: 18.174 ug/L  
RT: 5.435 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

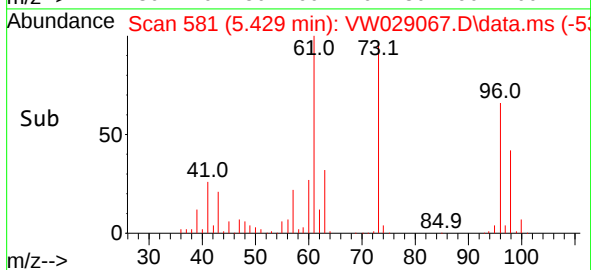
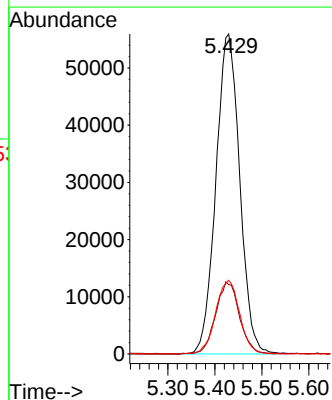
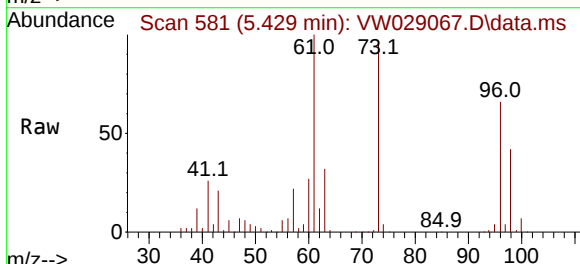
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

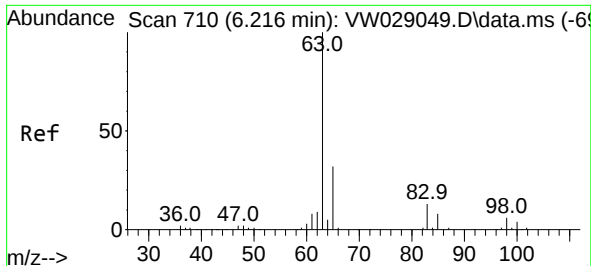
Tgt Ion: 96 Resp: 117049  
Ion Ratio Lower Upper  
96 100  
61 140.5 104.6 194.2  
98 60.7 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 21.921 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 73 Resp: 196877  
Ion Ratio Lower Upper  
73 100  
43 22.2 17.8 26.6  
57 23.3 18.4 27.6

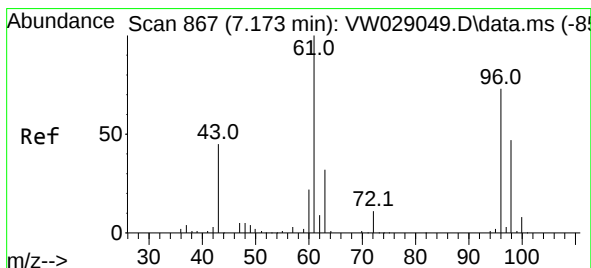
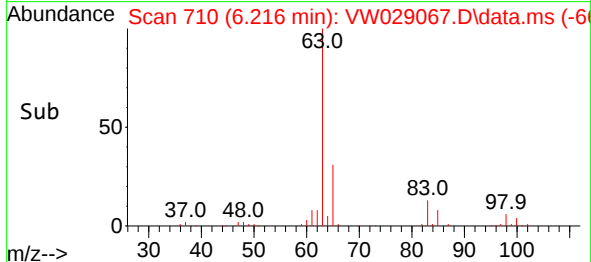
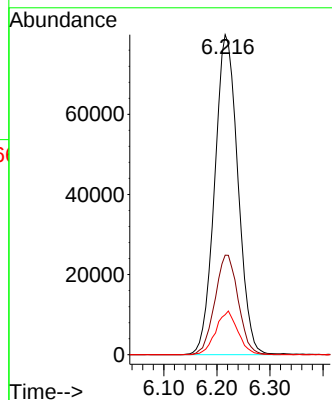
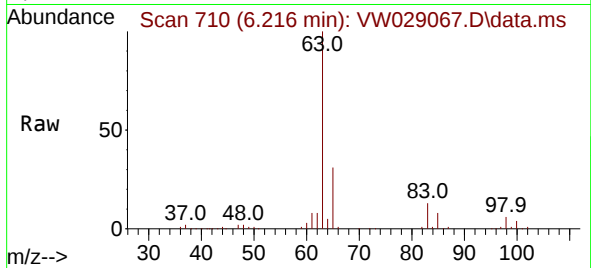




#19  
 1,1-Dichloroethane  
 Concen: 19.182 ug/L  
 RT: 6.216 min Scan# 710  
 Delta R.T. -0.000 min  
 Lab File: VW029067.D  
 Acq: 07 Jun 2024 17:05

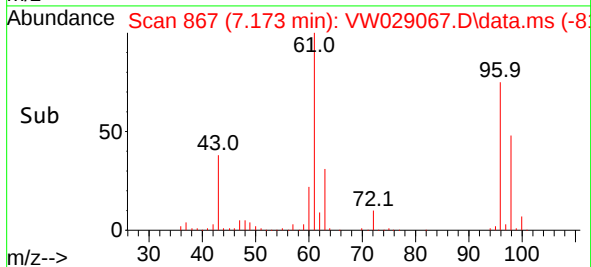
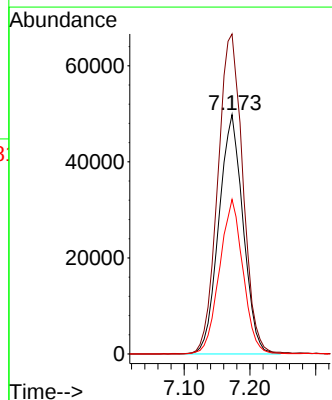
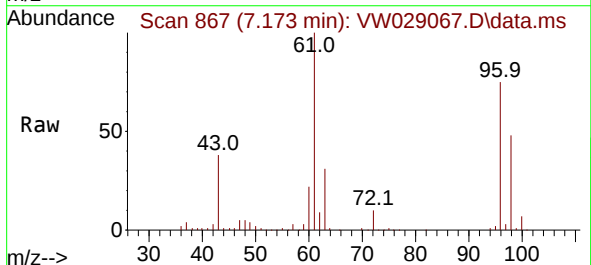
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4CY6MSD

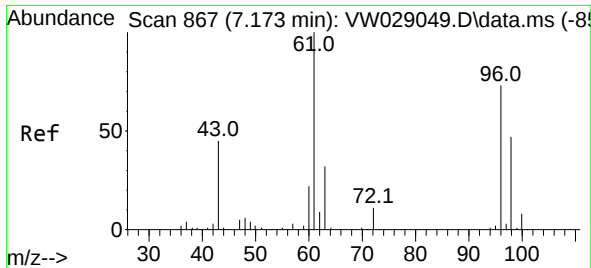
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 242885 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 31.1  | 21.8  | 40.6   |
| 83       | 12.5  | 8.8   | 16.3   |



#20  
 cis-1,2-Dichloroethene  
 Concen: 18.935 ug/L  
 RT: 7.173 min Scan# 867  
 Delta R.T. -0.000 min  
 Lab File: VW029067.D  
 Acq: 07 Jun 2024 17:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 127853 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.7 | 92.9  | 172.5  |
| 98       | 64.6  | 45.2  | 84.0   |

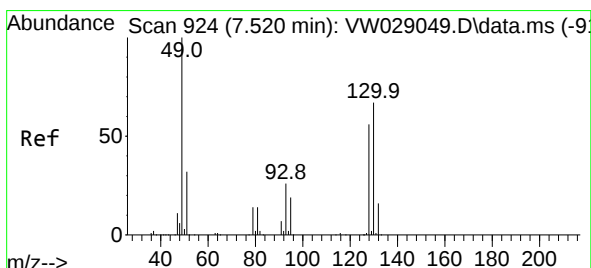
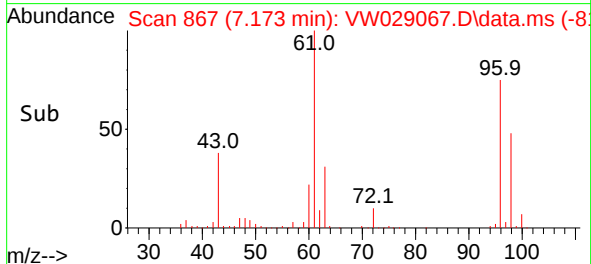
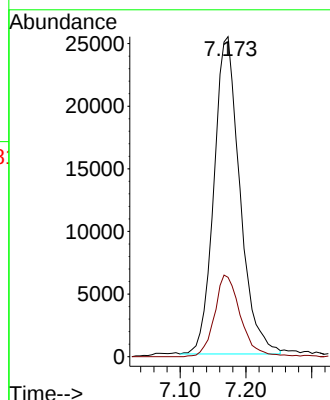
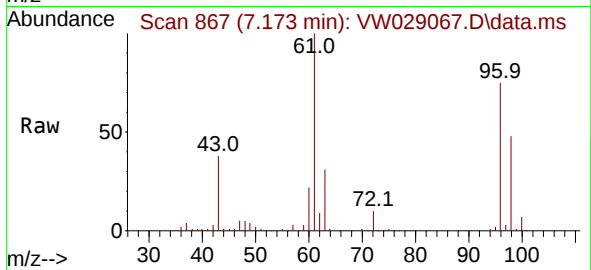




#22  
2-Butanone  
Concen: 36.374 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

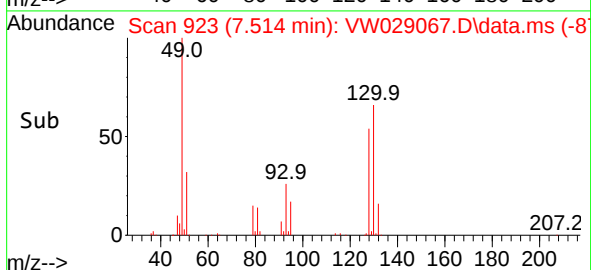
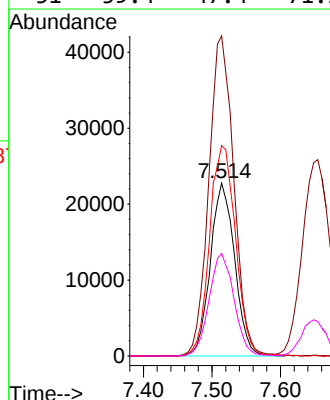
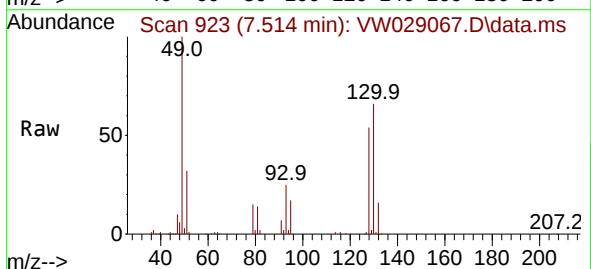
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

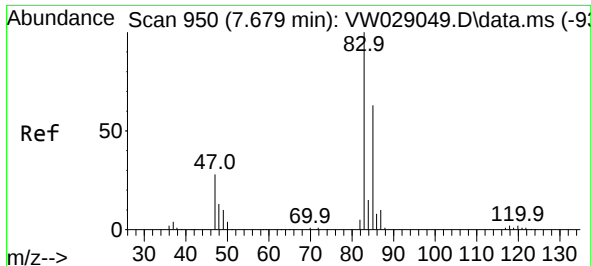
Tgt Ion: 43 Resp: 69674  
Ion Ratio Lower Upper  
43 100  
72 25.7 12.5 37.5



#23  
Bromochloromethane  
Concen: 18.973 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.006 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 128 Resp: 55920  
Ion Ratio Lower Upper  
128 100  
49 185.2 135.9 252.3  
130 121.8 89.0 165.2  
51 59.4 47.4 71.2

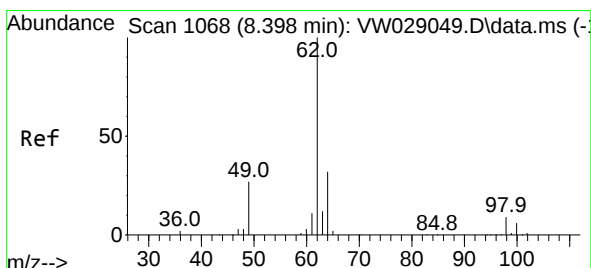
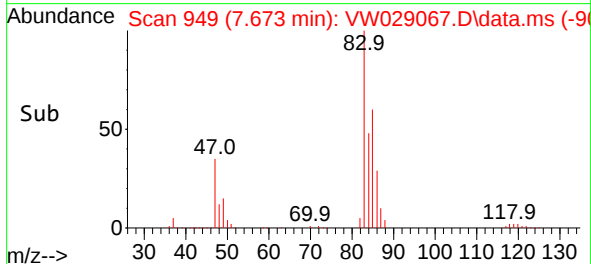
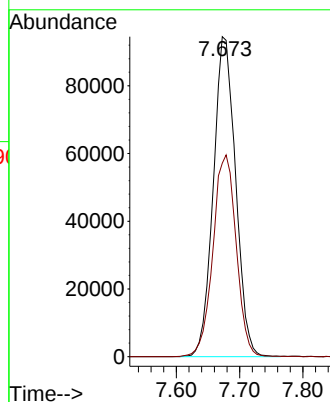
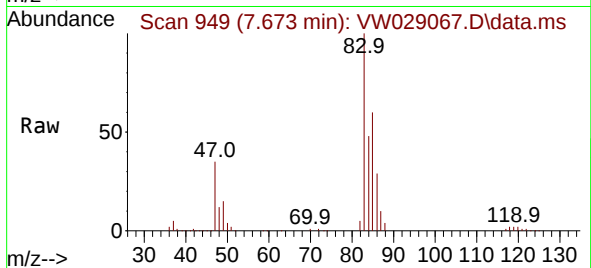




#25  
Chloroform  
Concen: 18.789 ug/L  
RT: 7.673 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

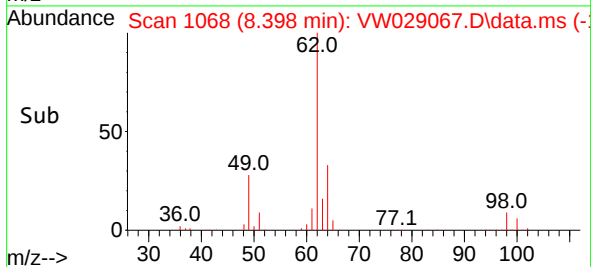
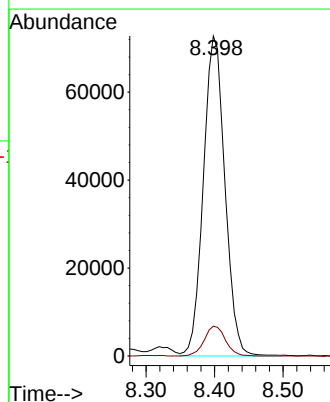
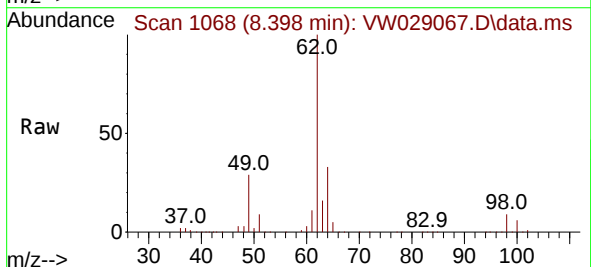
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

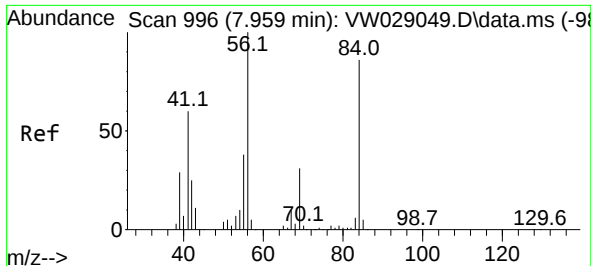
Tgt Ion: 83 Resp: 231074  
Ion Ratio Lower Upper  
83 100  
85 60.5 45.8 85.2



#27  
1,2-Dichloroethane  
Concen: 19.331 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 62 Resp: 159317  
Ion Ratio Lower Upper  
62 100  
98 9.3 7.1 10.7

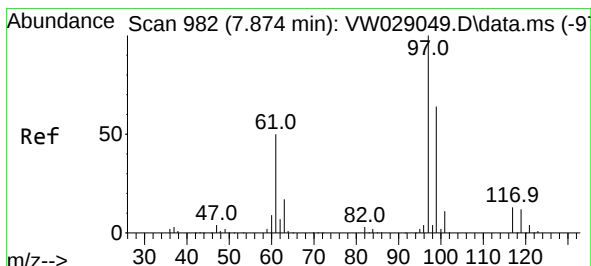
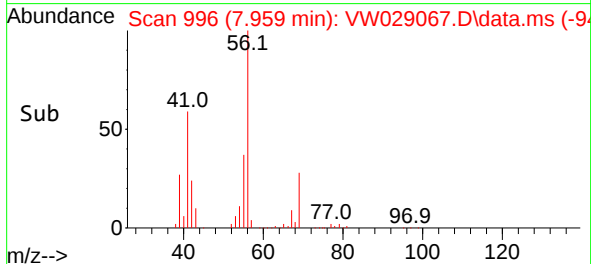
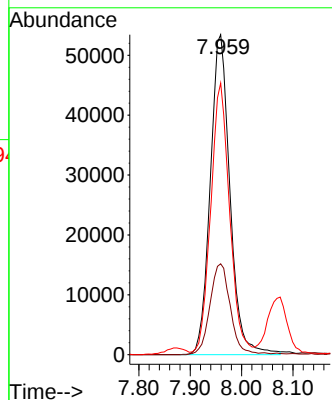
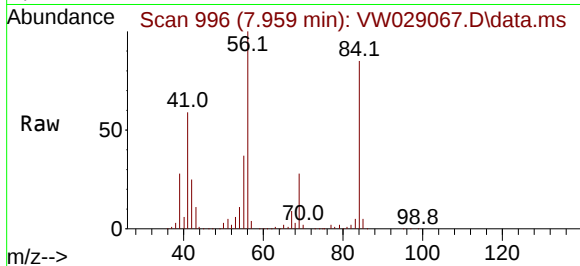




#29  
Cyclohexane  
Concen: 17.172 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

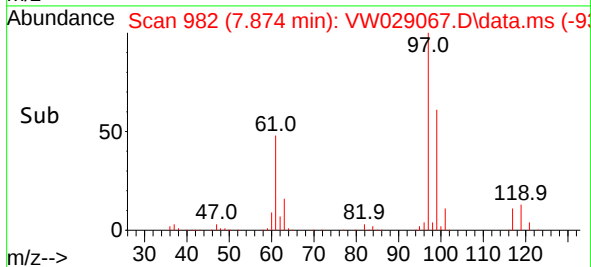
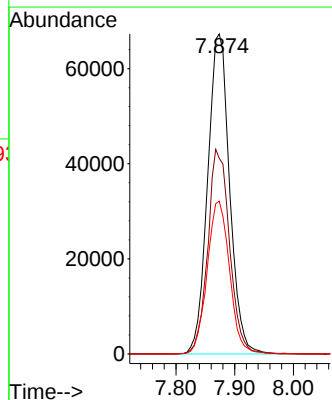
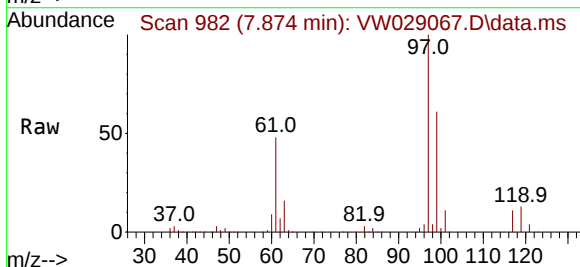
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

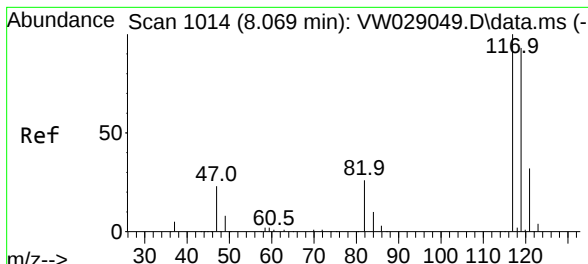
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 142425 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 29.1  | 24.2  | 36.4   |
| 84       | 80.9  | 65.4  | 98.2   |



#30  
1,1,1-Trichloroethane  
Concen: 22.630 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 174914 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.6  | 51.6  | 77.4   |
| 61       | 48.7  | 39.6  | 59.4   |

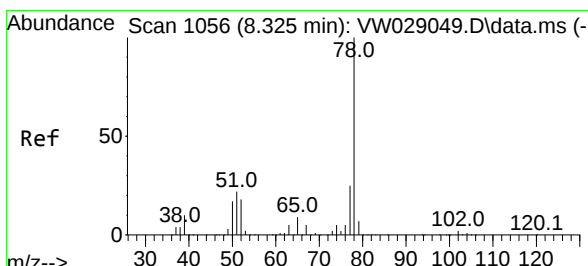
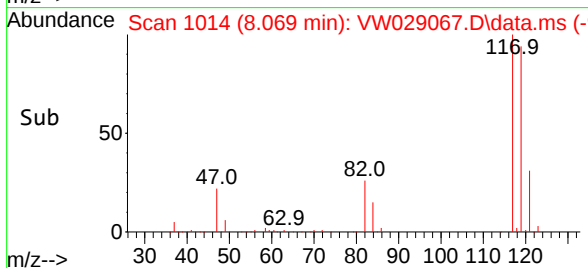
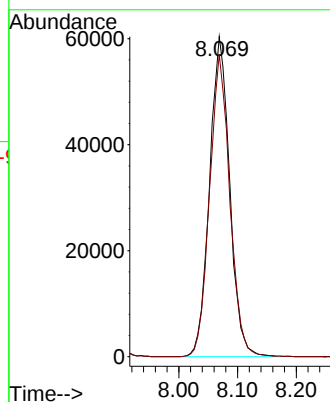
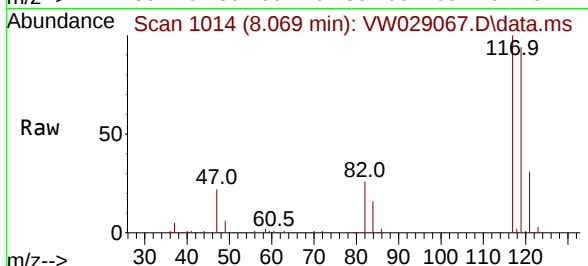




#31  
Carbon tetrachloride  
Concen: 20.416 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

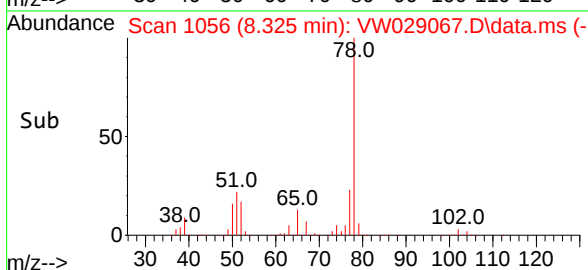
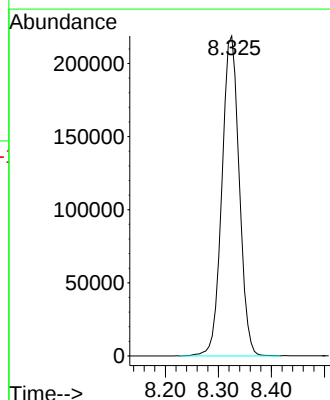
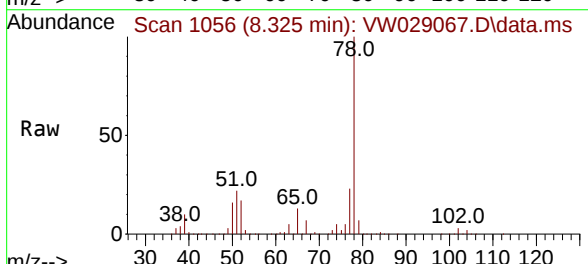
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

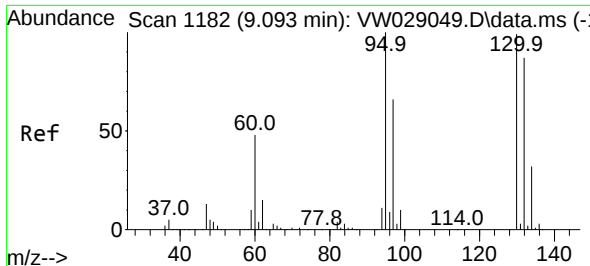
Tgt Ion:117 Resp: 143733  
Ion Ratio Lower Upper  
117 100  
119 94.9 78.8 118.2



#33  
Benzene  
Concen: 23.949 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 78 Resp: 496775



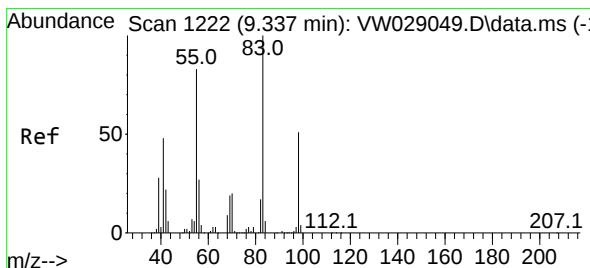
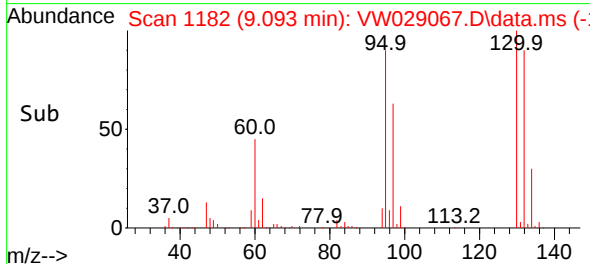
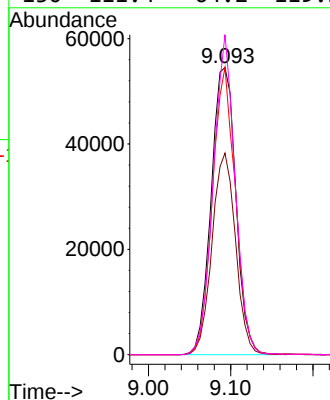
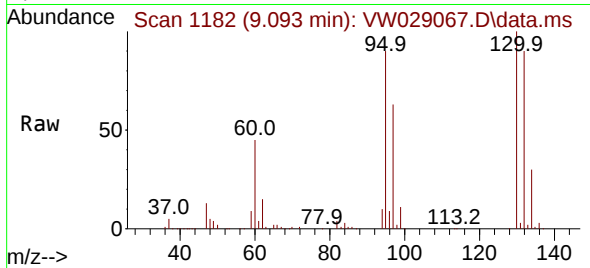


#34  
Trichloroethene  
Concen: 20.850 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

Tgt Ion: 95 Resp: 113701

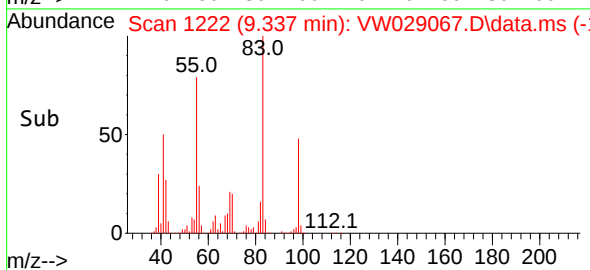
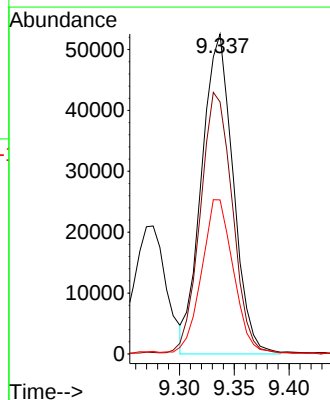
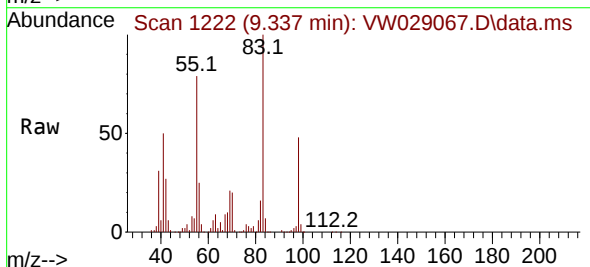
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 70.2  | 41.9  | 77.7  |
| 132 | 100.0 | 60.1  | 111.5 |
| 130 | 111.4 | 64.2  | 119.2 |

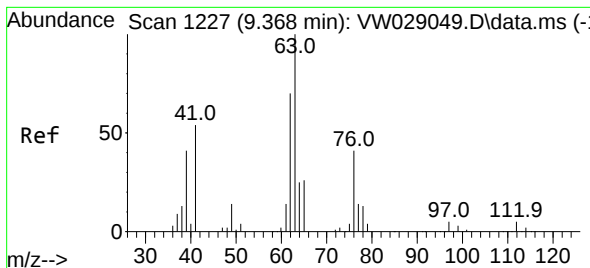


#35  
Methylcyclohexane  
Concen: 11.348 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 83 Resp: 104983

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 83.7  | 65.8  | 98.6  |
| 98  | 48.8  | 38.4  | 57.6  |





#37

1,2-Dichloropropane

Concen: 24.370 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Instrument :

MSVOA\_W

ClientSampleId :

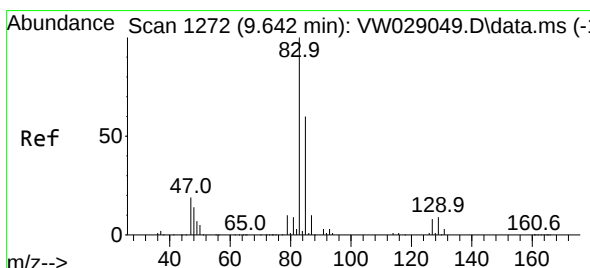
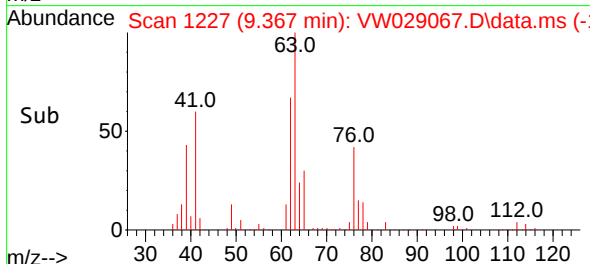
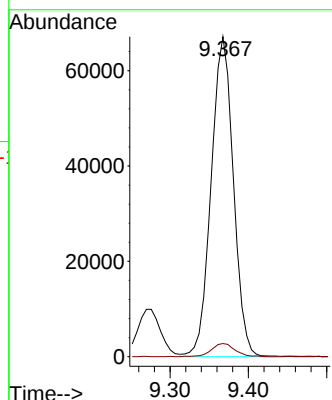
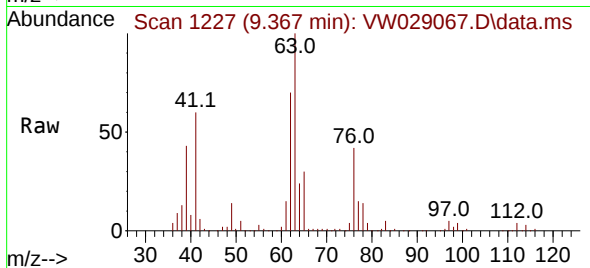
A4CY6MSD

Tgt Ion: 63 Resp: 132374

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



#38

Bromodichloromethane

Concen: 23.196 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

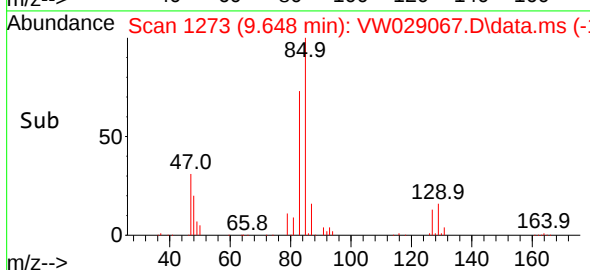
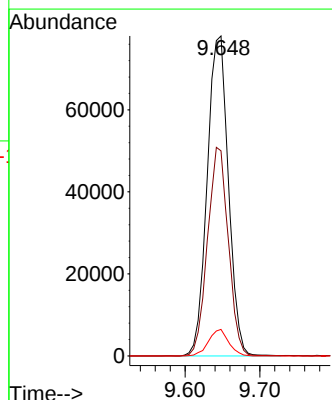
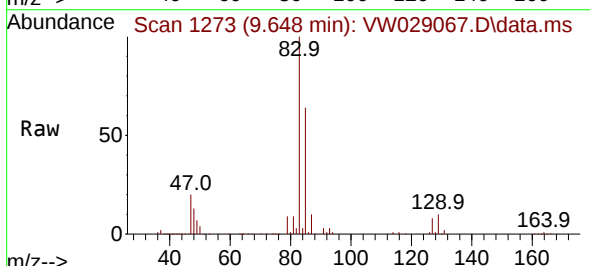
Tgt Ion: 83 Resp: 153667

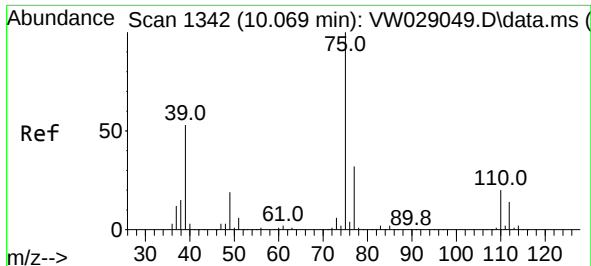
Ion Ratio Lower Upper

83 100

85 64.1 43.9 81.5

127 8.3 5.4 8.2#





#39

cis-1,3-Dichloropropene

Concen: 18.817 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Instrument :

MSVOA\_W

ClientSampleId :

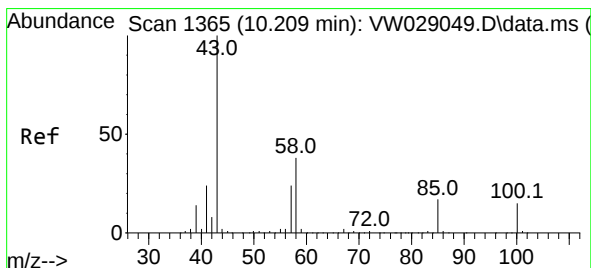
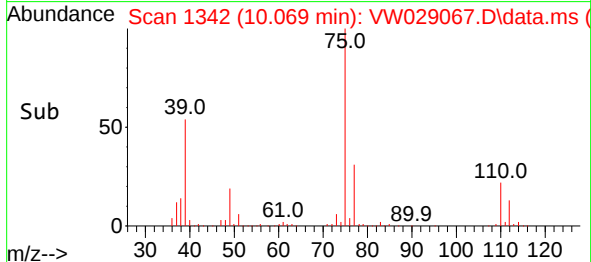
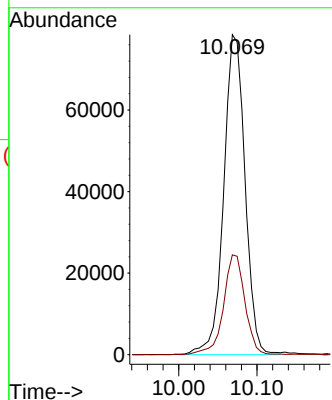
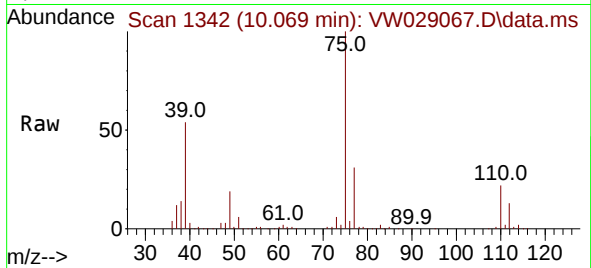
A4CY6MSD

Tgt Ion: 75 Resp: 148545

Ion Ratio Lower Upper

75 100

77 31.2 21.0 39.0



#40

4-Methyl-2-pentanone

Concen: 53.338 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

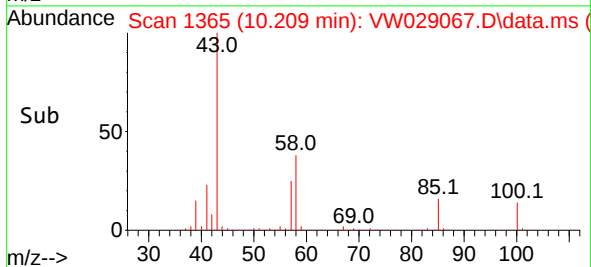
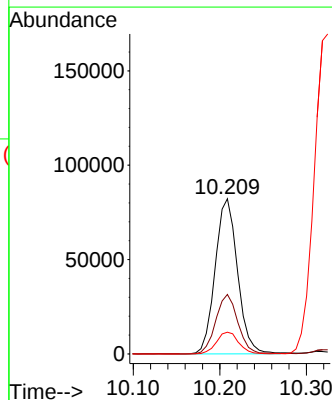
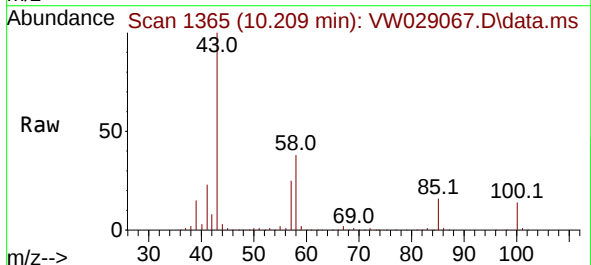
Tgt Ion: 43 Resp: 147366

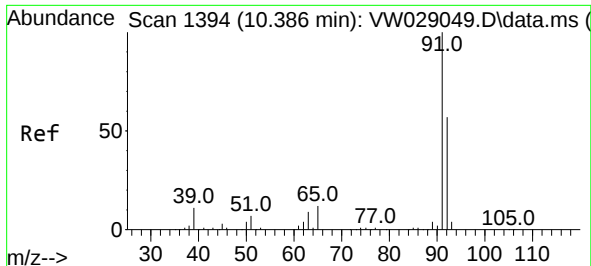
Ion Ratio Lower Upper

43 100

58 38.2 30.3 45.5

100 14.0 10.7 16.1

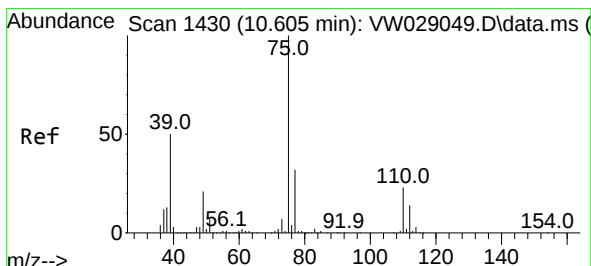
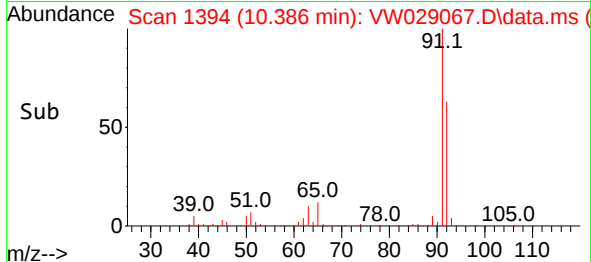
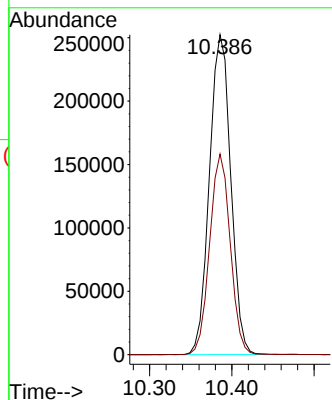
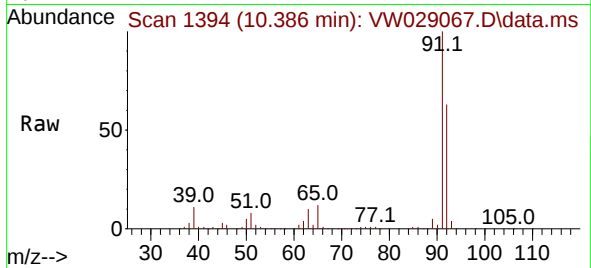




#42  
Toluene  
Concen: 21.501 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

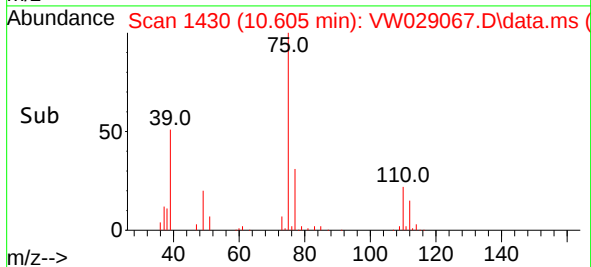
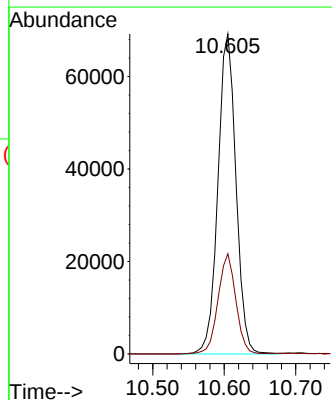
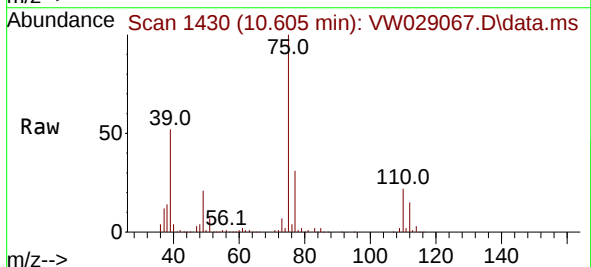
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

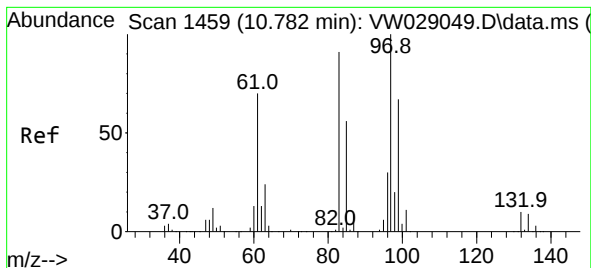
Tgt Ion: 91 Resp: 455606  
Ion Ratio Lower Upper  
91 100  
92 62.7 41.2 76.4



#44  
trans-1,3-Dichloropropene  
Concen: 19.064 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 75 Resp: 121326  
Ion Ratio Lower Upper  
75 100  
77 31.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 23.908 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Instrument :

MSVOA\_W

ClientSampleId :

A4CY6MSD

Tgt Ion: 97 Resp: 87706

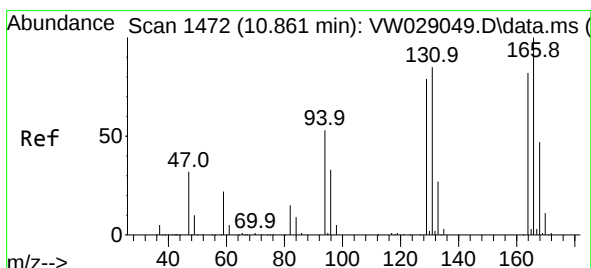
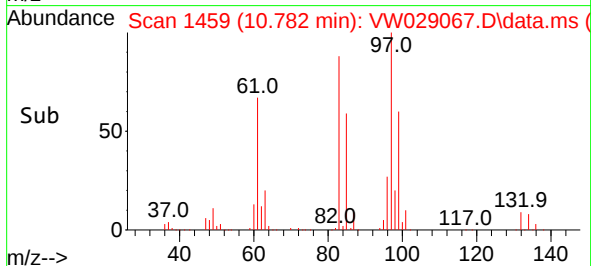
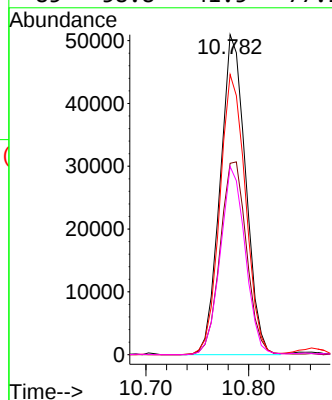
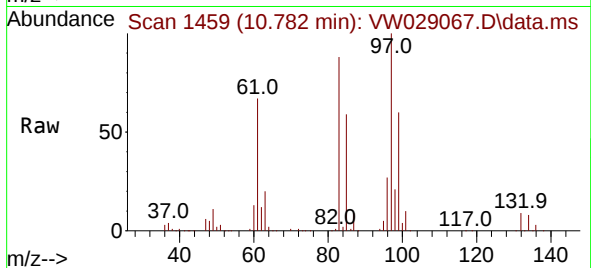
Ion Ratio Lower Upper

97 100

99 59.8 41.8 77.6

83 87.5 62.4 115.8

85 58.8 41.5 77.1



#46

Tetrachloroethene

Concen: 16.446 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Tgt Ion:164 Resp: 68139

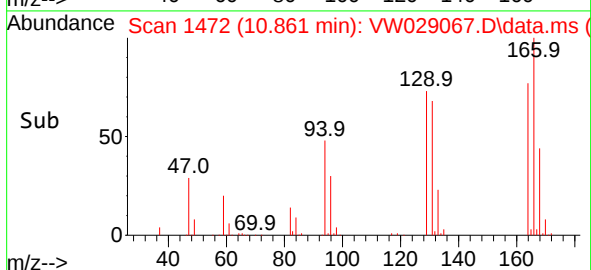
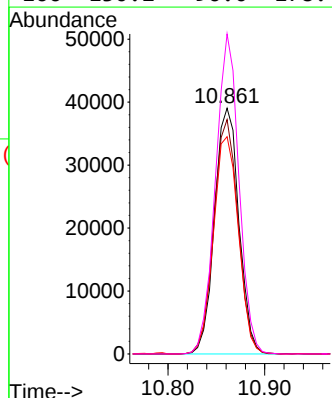
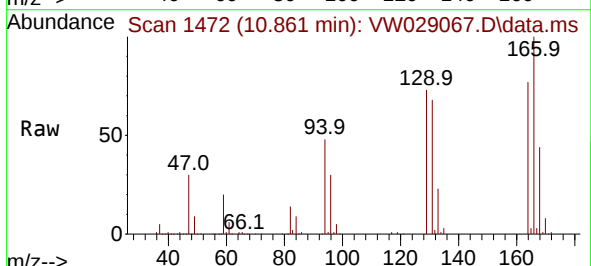
Ion Ratio Lower Upper

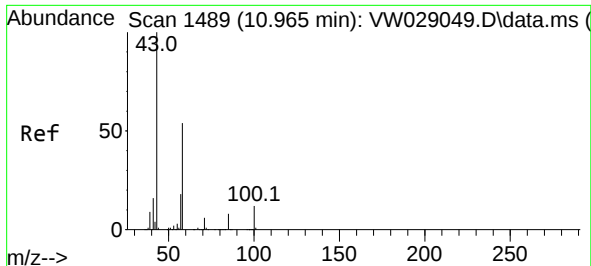
164 100

129 95.4 69.4 128.8

131 88.5 71.0 131.9

166 130.2 96.0 178.4

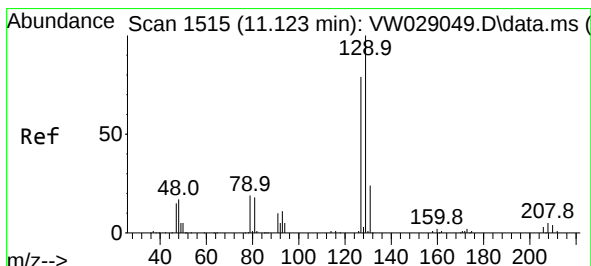
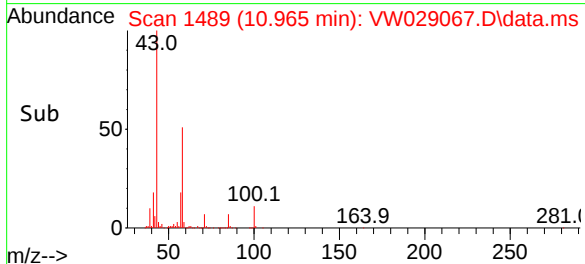
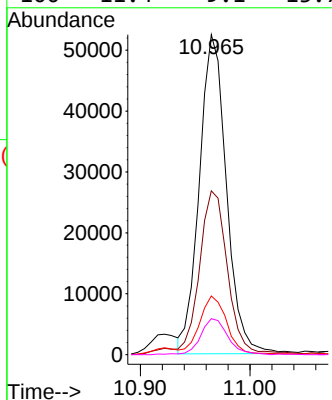
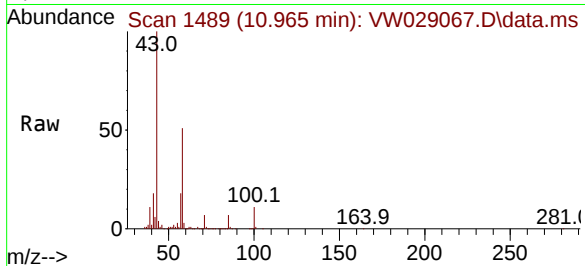




#48  
2-Hexanone  
Concen: 43.422 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

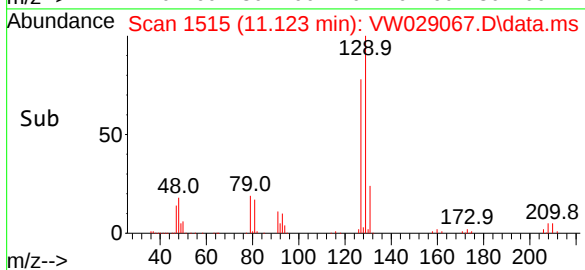
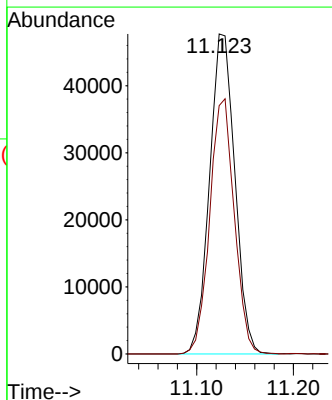
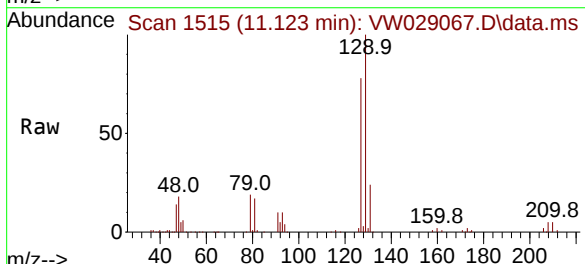
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

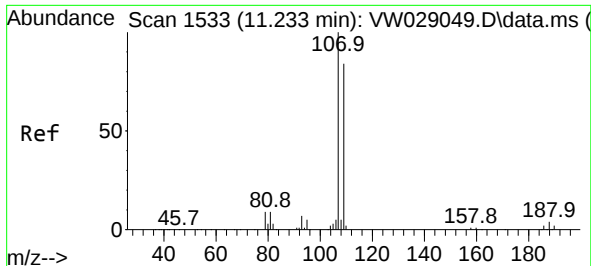
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 89946 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 50.6  | 41.4  | 62.0  |
| 57       | 18.9  | 14.2  | 21.4  |
| 100      | 11.4  | 9.1   | 13.7  |



#49  
Dibromochloromethane  
Concen: 22.409 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 86830 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 77.6  | 56.5  | 104.9 |





#50

1,2-Dibromoethane

Concen: 22.881 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Instrument :

MSVOA\_W

ClientSampleId :

A4CY6MSD

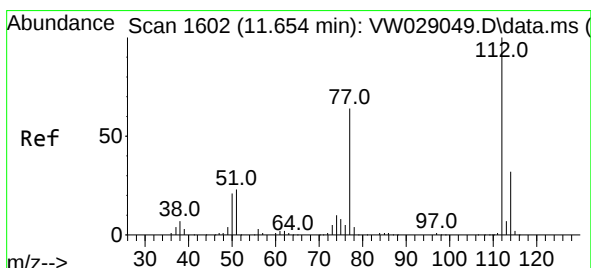
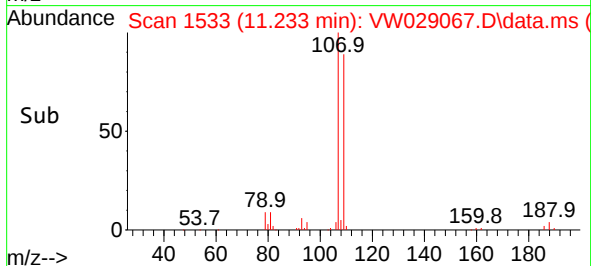
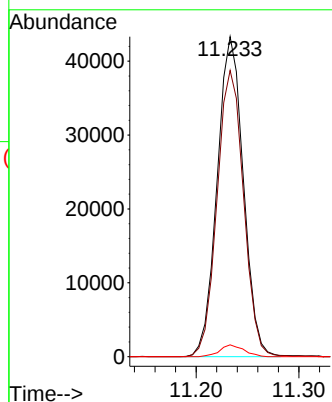
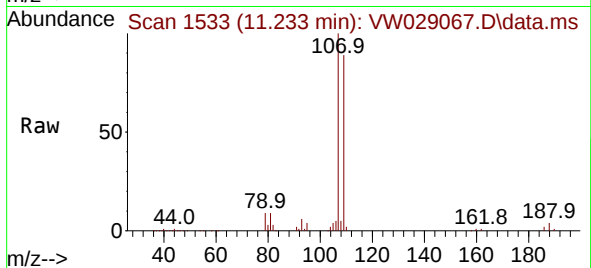
Tgt Ion:107 Resp: 76626

Ion Ratio Lower Upper

107 100

109 89.5 67.9 126.1

188 3.7 3.0 4.4



#51

Chlorobenzene

Concen: 18.190 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

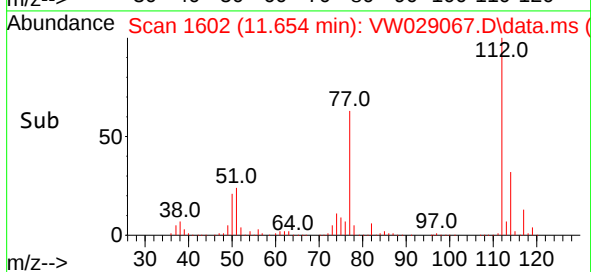
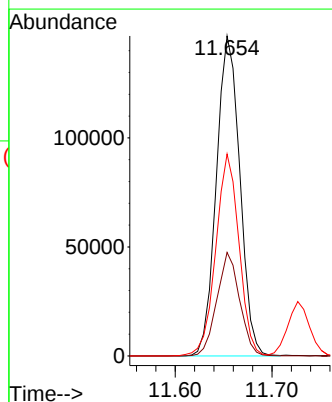
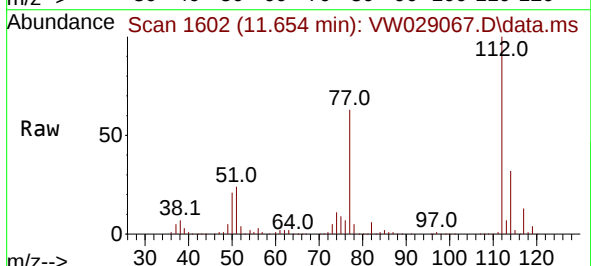
Tgt Ion:112 Resp: 247597

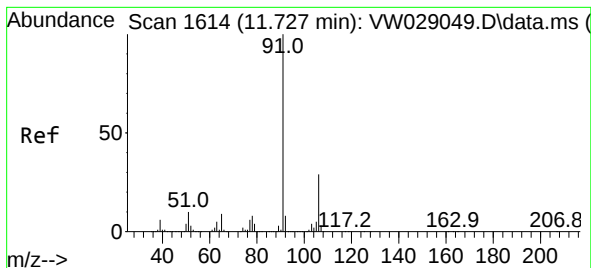
Ion Ratio Lower Upper

112 100

114 32.3 23.7 44.1

77 63.1 51.7 77.5

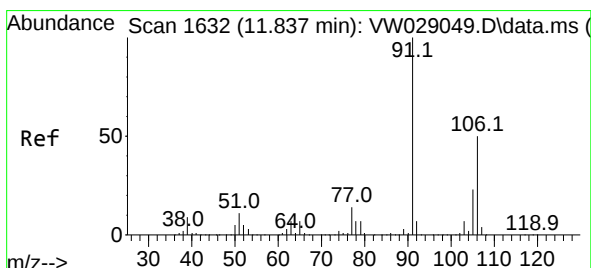
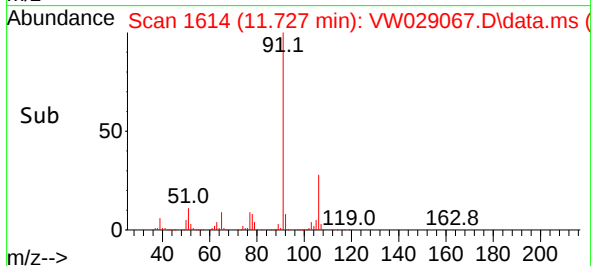
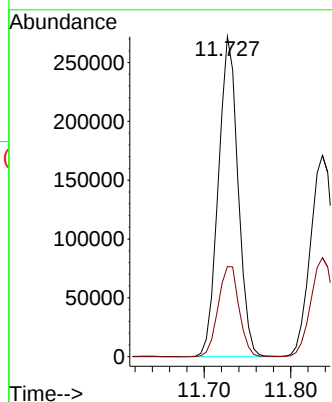
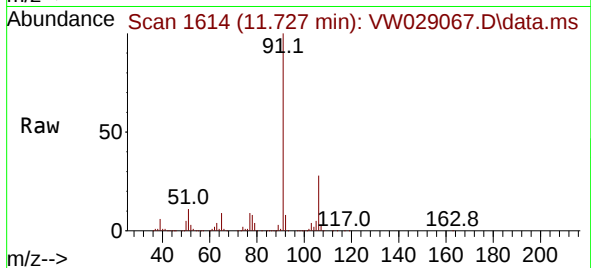




#52  
Ethylbenzene  
Concen: 17.857 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

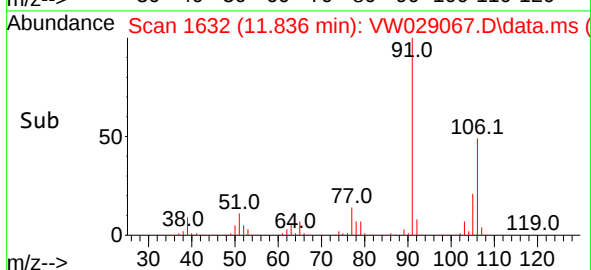
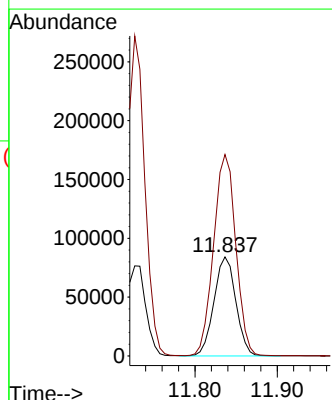
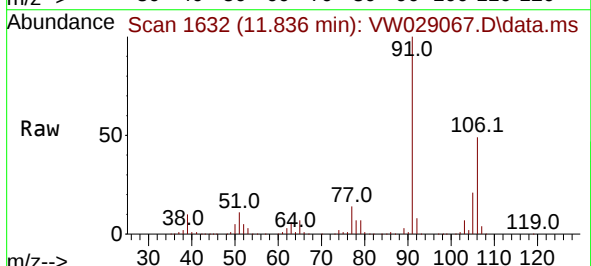
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

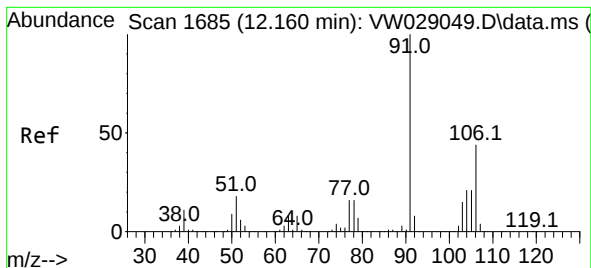
Tgt Ion: 91 Resp: 429922  
Ion Ratio Lower Upper  
91 100  
106 28.2 19.9 37.0



#53  
m,p-Xylene  
Concen: 17.453 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion:106 Resp: 155639  
Ion Ratio Lower Upper  
106 100  
91 203.5 152.0 282.2





#54

o-Xylene

Concen: 17.749 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Instrument :

MSVOA\_W

ClientSampleId :

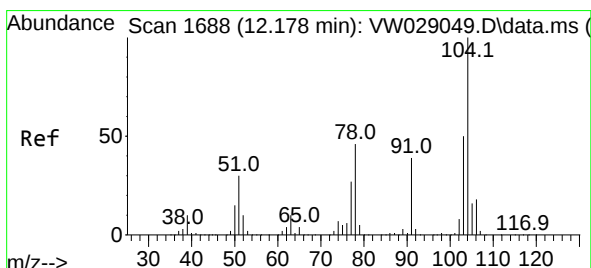
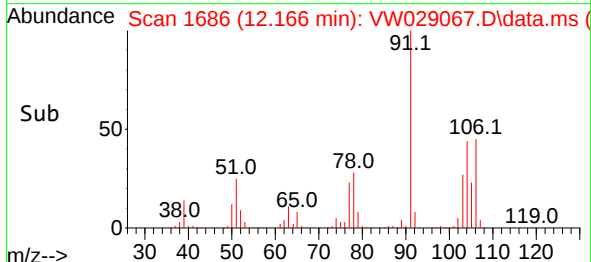
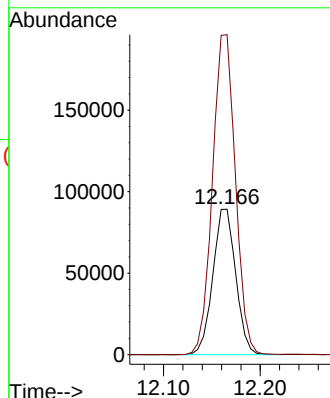
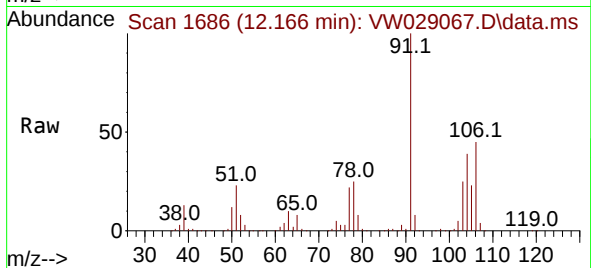
A4CY6MSD

Tgt Ion:106 Resp: 146559

Ion Ratio Lower Upper

106 100

91 220.0 152.5 283.3



#55

Styrene

Concen: 16.027 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW029067.D

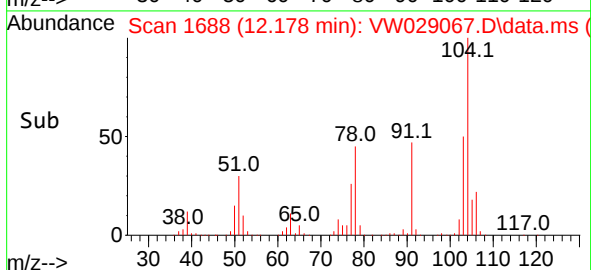
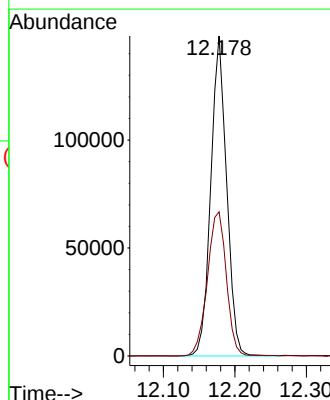
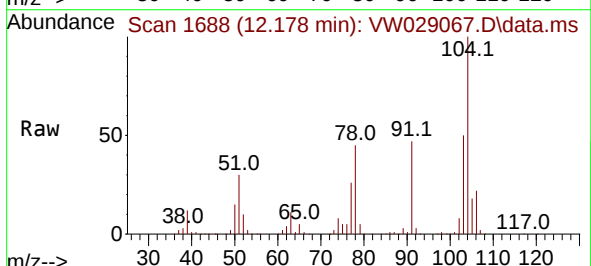
Acq: 07 Jun 2024 17:05

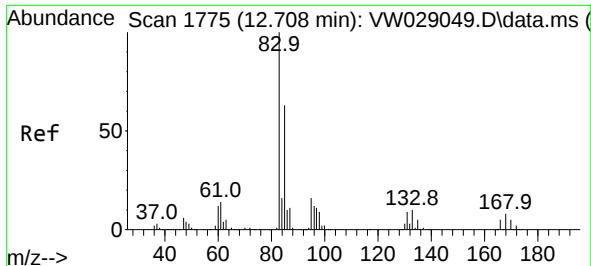
Tgt Ion:104 Resp: 228156

Ion Ratio Lower Upper

104 100

78 45.1 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 21.613 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Instrument :

MSVOA\_W

ClientSampleId :

A4CY6MSD

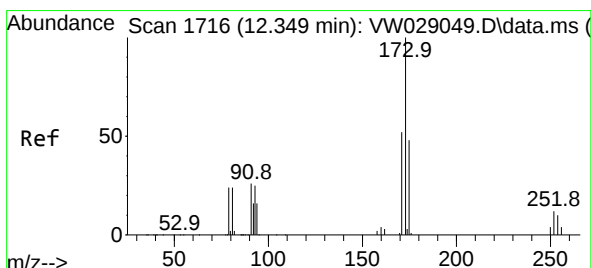
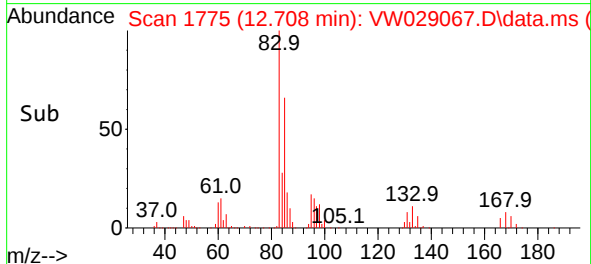
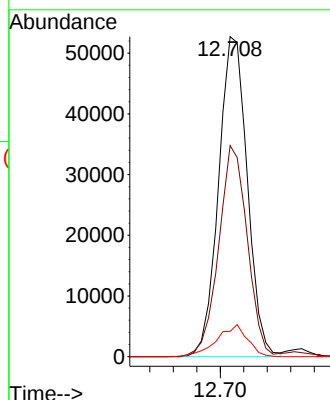
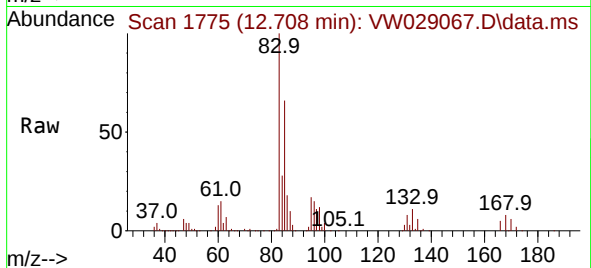
Tgt Ion: 83 Resp: 89507

Ion Ratio Lower Upper

83 100

85 65.9 43.8 81.3

131 7.9 7.3 10.9



#59

Bromoform

Concen: 33.799 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

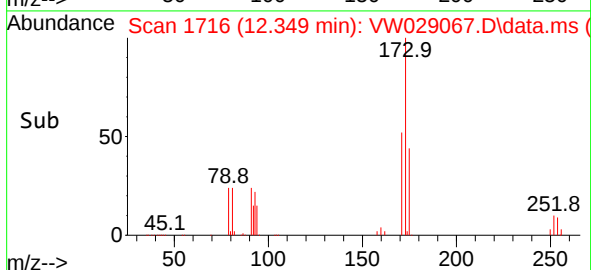
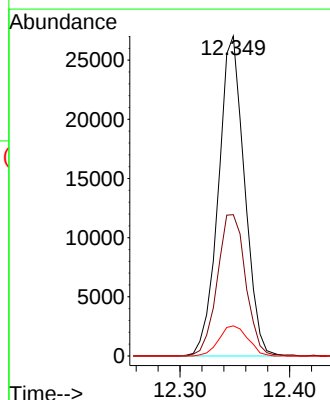
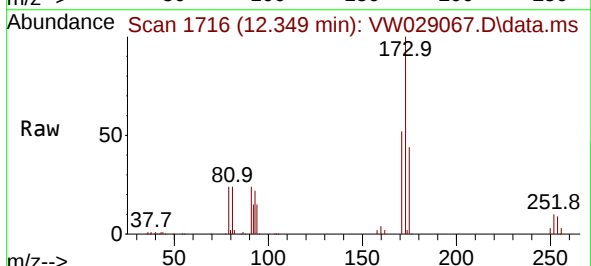
Tgt Ion: 173 Resp: 44713

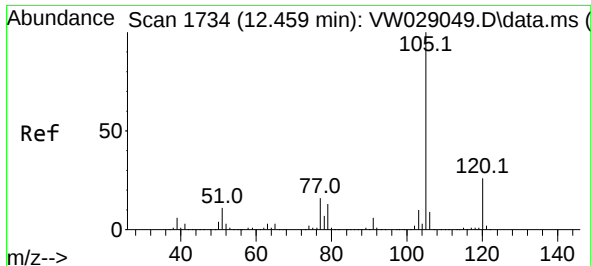
Ion Ratio Lower Upper

173 100

175 47.9 38.1 57.1

254 10.4 8.2 12.2

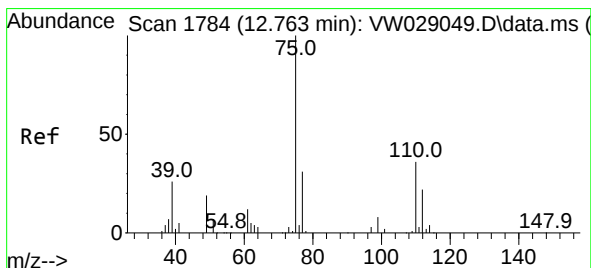
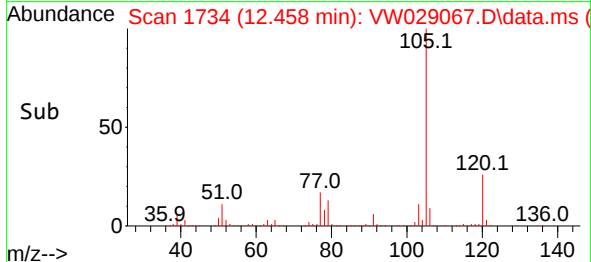
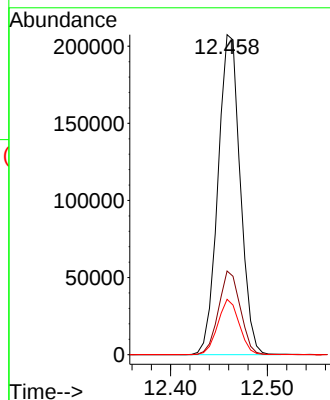
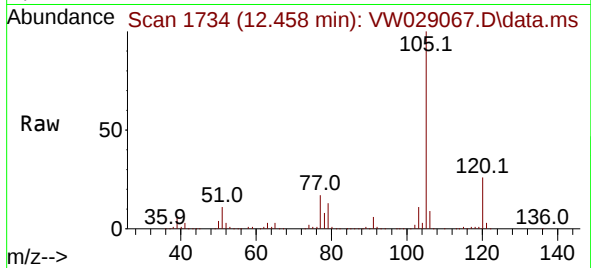




#60  
Isopropylbenzene  
Concen: 22.729 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

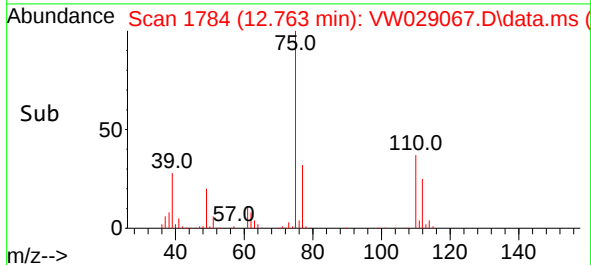
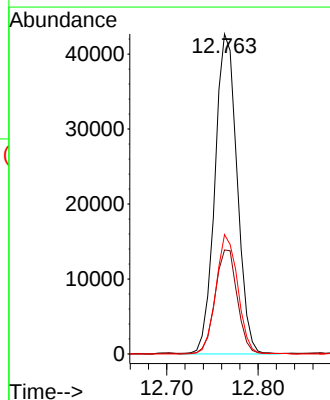
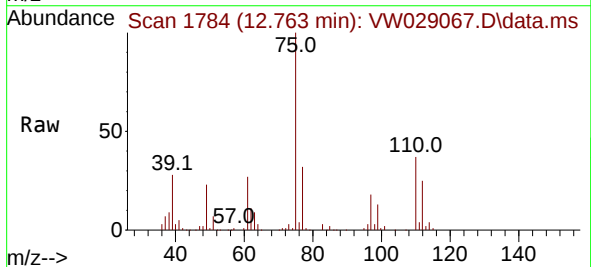
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

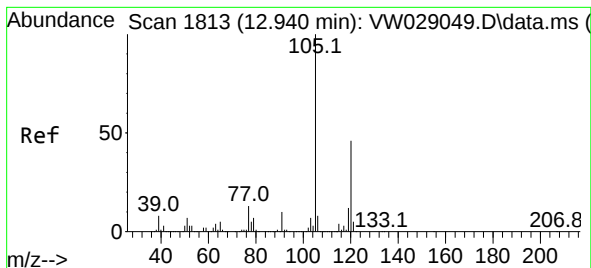
Tgt Ion:105 Resp: 330922  
Ion Ratio Lower Upper  
105 100  
120 25.6 20.7 31.1  
77 16.6 13.5 20.3



#61  
1,2,3-Trichloropropane  
Concen: 37.047 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion: 75 Resp: 71893  
Ion Ratio Lower Upper  
75 100  
77 32.5 26.3 39.5  
110 36.5 29.4 44.0

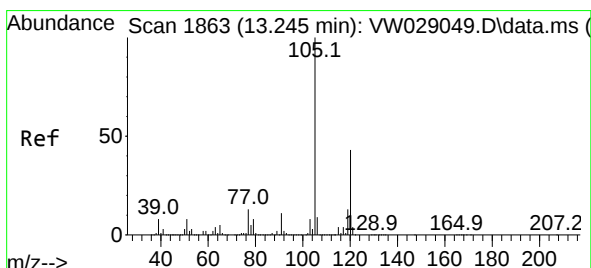
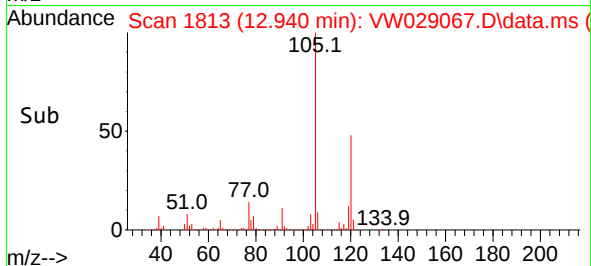
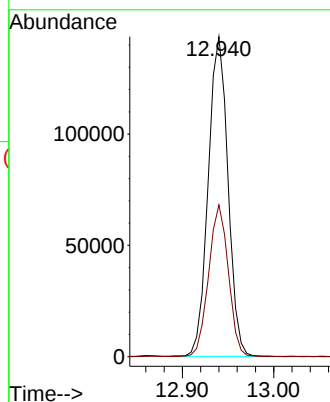
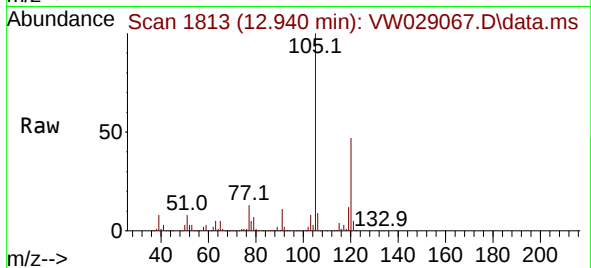




#62  
1,3,5-Trimethylbenzene  
Concen: 20.360 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

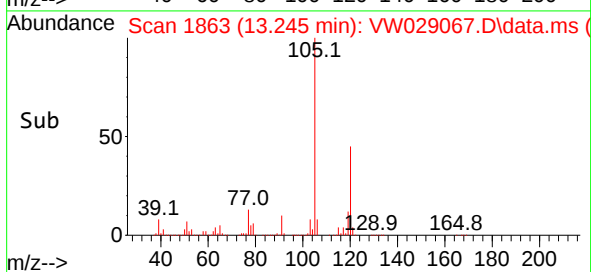
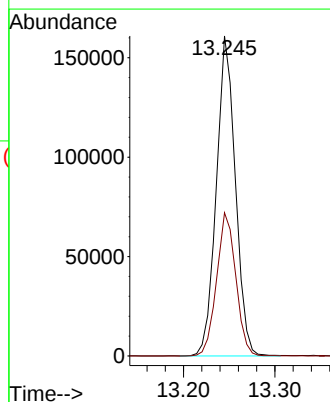
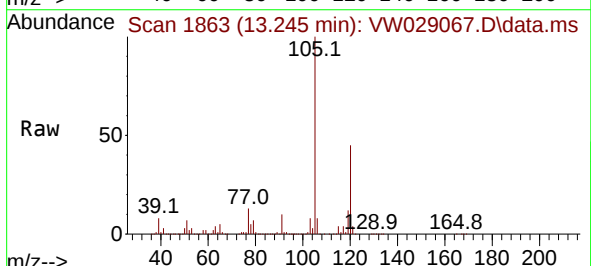
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

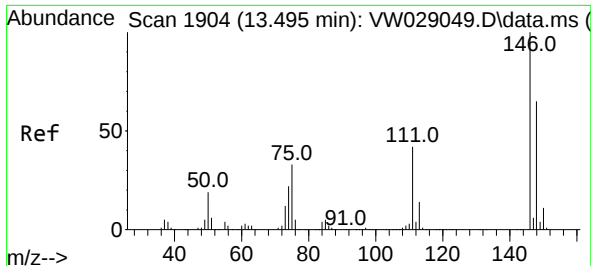
Tgt Ion:105 Resp: 215606  
Ion Ratio Lower Upper  
105 100  
120 47.4 38.4 57.6



#63  
1,2,4-Trimethylbenzene  
Concen: 20.805 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion:105 Resp: 232831  
Ion Ratio Lower Upper  
105 100  
120 45.2 35.8 53.8

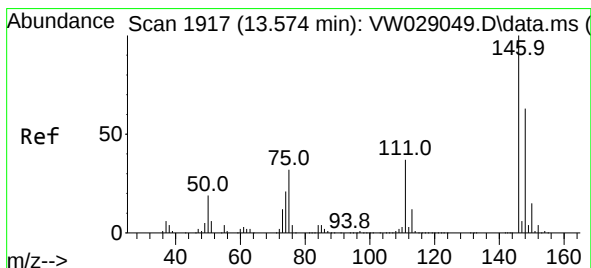
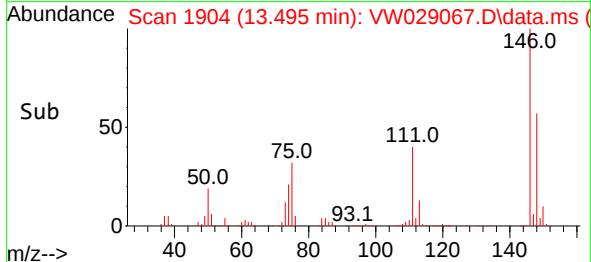
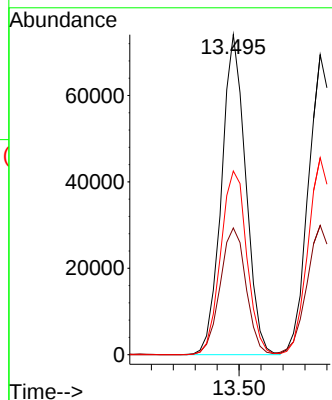
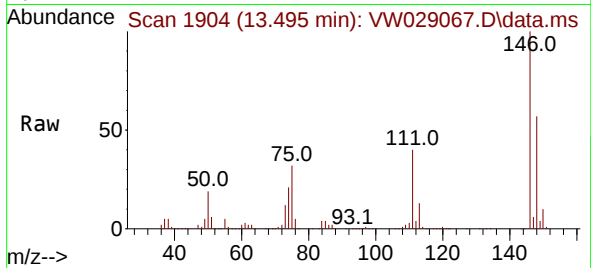




#64  
1,3-Dichlorobenzene  
Concen: 18.170 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

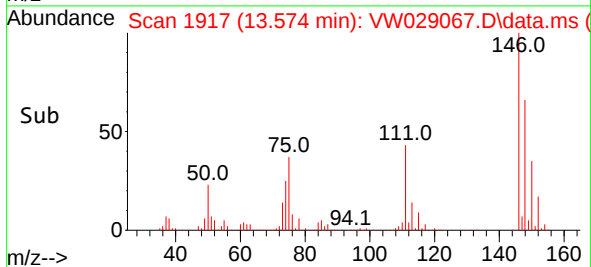
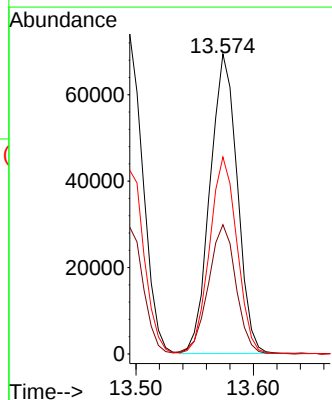
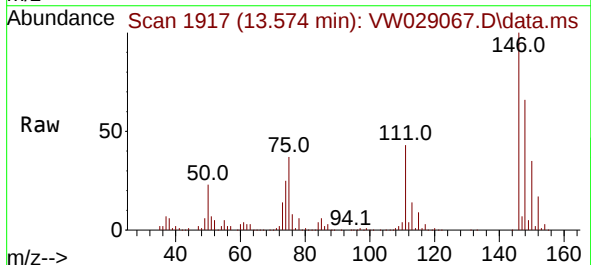
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CY6MSD

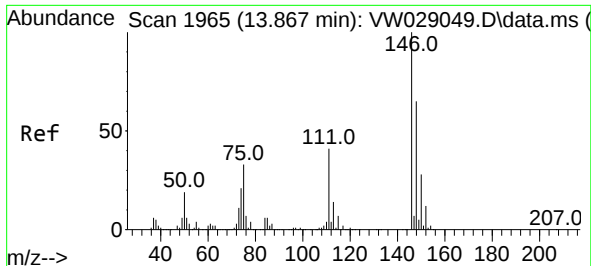
Tgt Ion:146 Resp: 113684  
Ion Ratio Lower Upper  
146 100  
111 39.6 29.4 54.6  
148 57.4 42.5 78.9



#65  
1,4-Dichlorobenzene  
Concen: 17.103 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW029067.D  
Acq: 07 Jun 2024 17:05

Tgt Ion:146 Resp: 111767  
Ion Ratio Lower Upper  
146 100  
111 43.1 27.5 51.1  
148 65.7 39.5 73.3





#67

1,2-Dichlorobenzene

Concen: 17.919 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Instrument :

MSVOA\_W

ClientSampleId :

A4CY6MSD

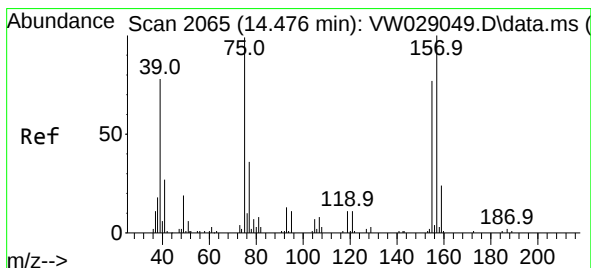
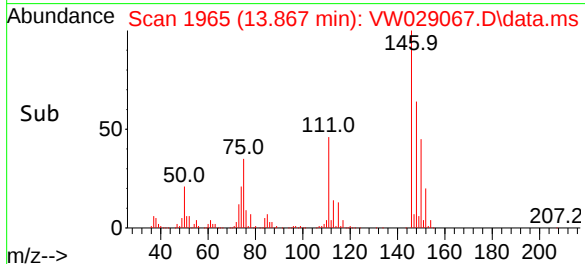
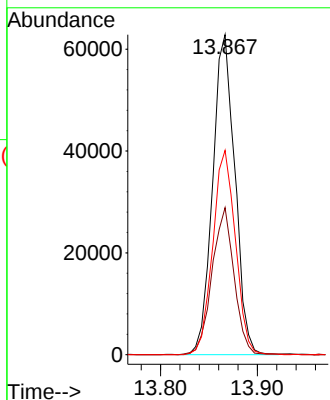
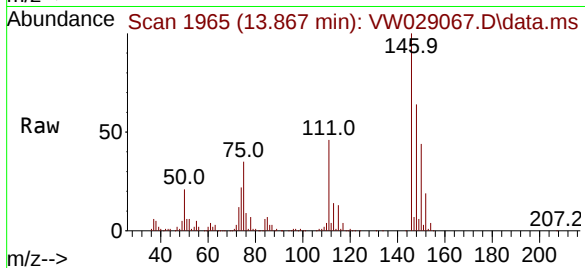
Tgt Ion:146 Resp: 100489

Ion Ratio Lower Upper

146 100

111 46.0 32.8 49.2

148 63.9 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 30.574 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

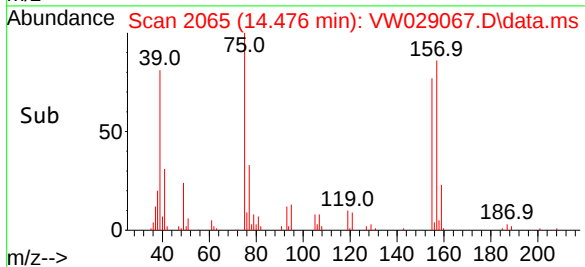
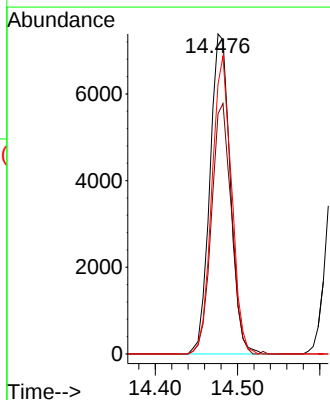
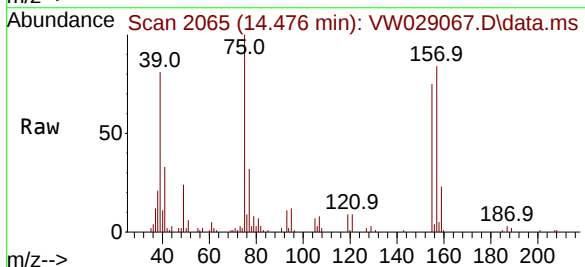
Tgt Ion: 75 Resp: 12646

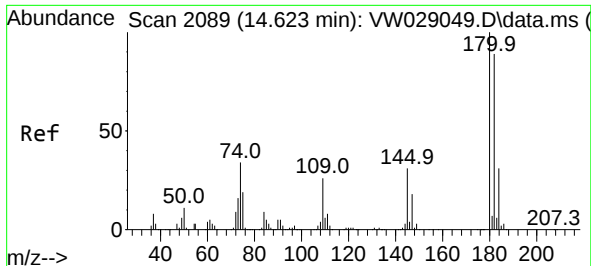
Ion Ratio Lower Upper

75 100

155 75.1 52.3 78.5

157 84.4 71.0 106.4

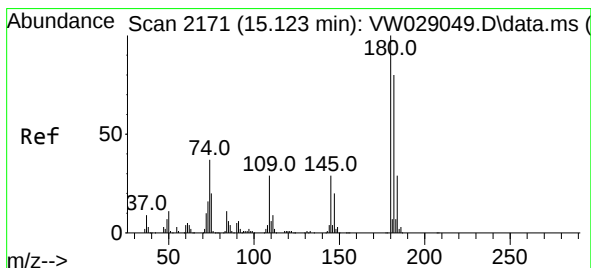
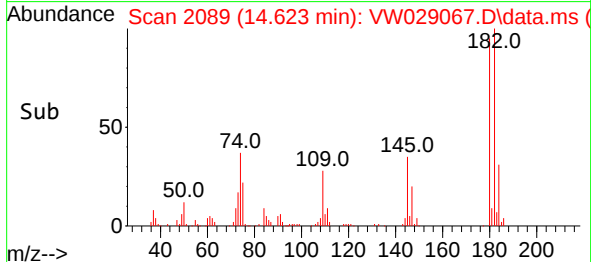
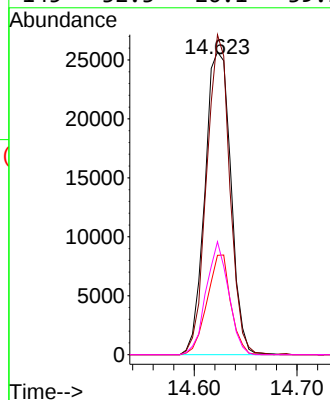
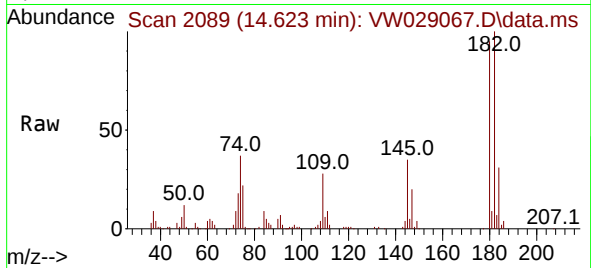




#69  
 1,3,5-Trichlorobenzene  
 Concen: 10.484 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. -0.000 min  
 Lab File: VW029067.D  
 Acq: 07 Jun 2024 17:05

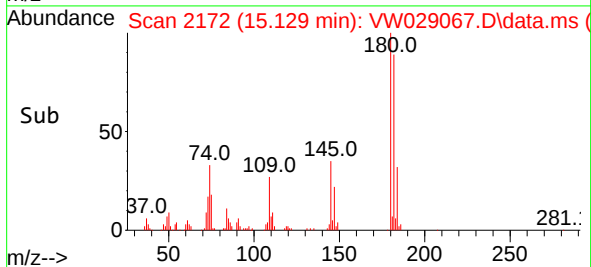
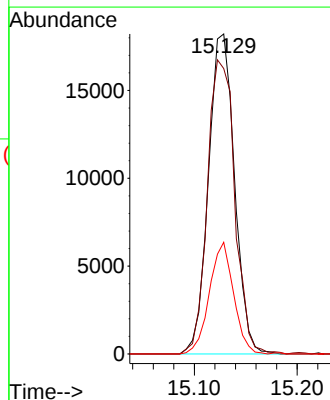
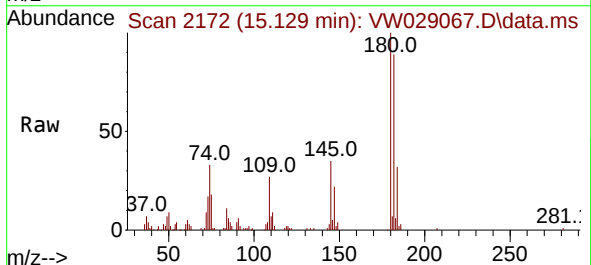
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4CY6MSD

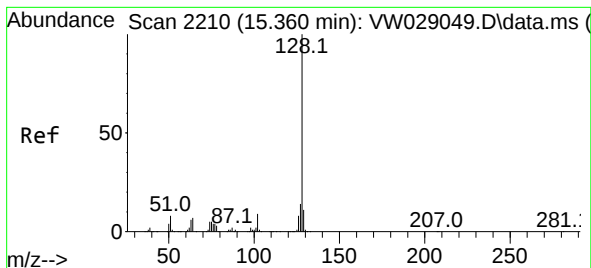
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 45040 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.3  | 77.4  | 116.0 |
| 184       | 30.0  | 24.6  | 36.8  |
| 145       | 32.3  | 26.1  | 39.1  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 9.233 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. 0.006 min  
 Lab File: VW029067.D  
 Acq: 07 Jun 2024 17:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 32146 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.0  | 75.3  | 112.9 |
| 145       | 32.3  | 26.2  | 39.2  |





#71

Naphthalene

Concen: 13.893 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Instrument :

MSVOA\_W

ClientSampleId :

A4CY6MSD

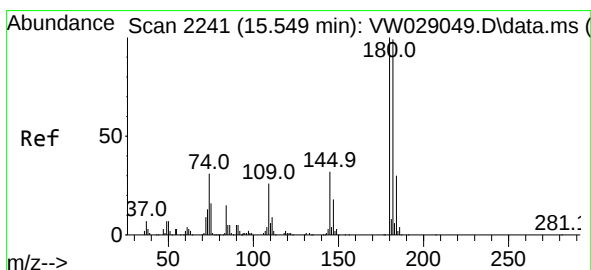
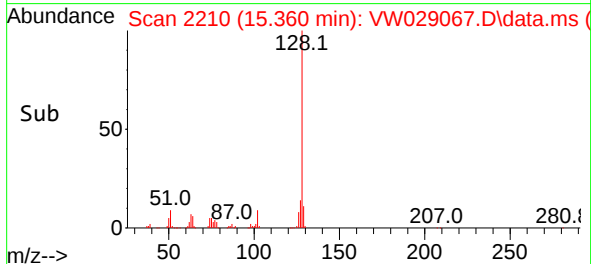
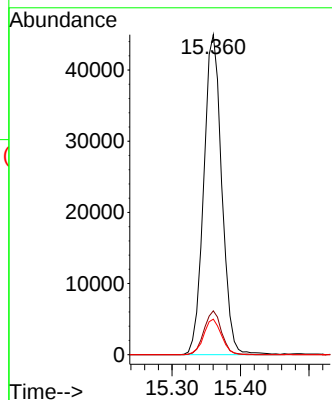
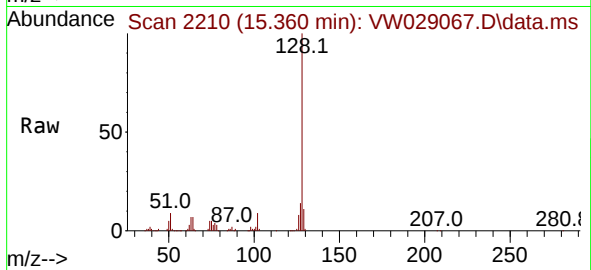
Tgt Ion:128 Resp: 82417

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 8.929 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW029067.D

Acq: 07 Jun 2024 17:05

Tgt Ion:180 Resp: 26562

Ion Ratio Lower Upper

180 100

182 89.0 75.4 113.0

145 32.3 26.6 39.8

