

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072324\  
 Data File : VW029696.D  
 Acq On : 23 Jul 2024 10:20  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 24 01:06:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 19 23:16:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 206736   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 200604   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 94728    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 59490    | 17.813   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.240%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 50775    | 21.115   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.440%  |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65    | 29892    | 19.932   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 79.720%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 43891    | 43.780   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 87.560%  |
| 24) Chloroform-d              | 7.648  | 84    | 149318   | 24.984   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.920%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 84955    | 24.234   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 96.920%  |
| 32) Benzene-d6                | 8.270  | 84    | 267254   | 22.239   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 88.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 91061    | 23.699   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 94.800%  |
| 41) Toluene-d8                | 10.325 | 98    | 233732   | 22.116   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.480%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 33408    | 20.532   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 82.120%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 30733    | 44.017   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 88.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 73657    | 23.611   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 74813    | 22.678   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 90.720%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 35292    | 17.433   | ug/L   | 96       |
| 3) Chloromethane              | 2.223  | 50    | 56602    | 20.897   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.375  | 62    | 74974    | 24.256   | ug/L   | 90       |
| 6) Bromomethane               | 2.789  | 94    | 45336    | 24.771   | ug/L   | 95       |
| 8) Chloroethane               | 2.936  | 64    | 51337    | 26.992   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 66950    | 24.062   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 32602    | 11.906   | ug/L # | 14       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 65506    | 25.479   | ug/L   | 95       |
| 13) Acetone                   | 4.131  | 43    | 44126    | 43.608   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.387  | 76    | 179898   | 21.547   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.673  | 43    | 42911    | 24.154   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 91414    | 24.698   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 74031    | 26.011   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 125699   | 25.958   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 166011   | 28.403   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 85474    | 27.464   | ug/L   | 94       |
| 22) 2-Butanone                | 7.173  | 43    | 58655    | 44.155   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.508  | 128   | 36009    | 25.723   | ug/L   | 97       |
| 25) Chloroform                | 7.679  | 83    | 165994   | 29.352   | ug/L   | 100      |

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 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 24 01:06:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 19 23:16:32 2024  
 Response via : Initial Calibration

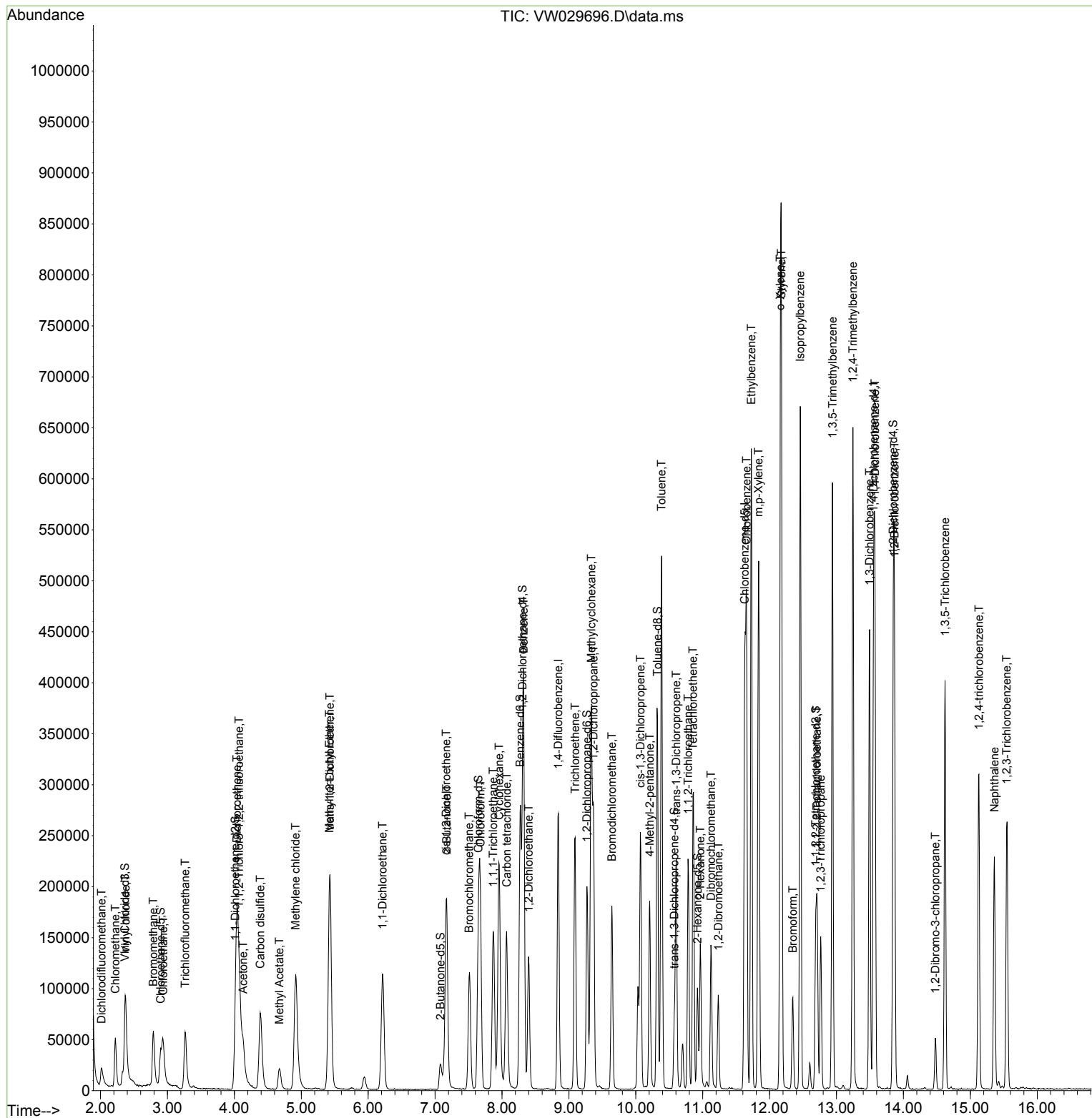
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 118448   | 27.924 | ug/L  | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 125540   | 25.132 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 125542   | 27.405 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 112208   | 26.746 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 335309   | 26.715 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 88039    | 26.562 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 136255   | 25.576 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 96548    | 27.818 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 117956   | 27.824 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 140020   | 26.860 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 126032   | 51.524 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 355490   | 27.686 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 117073   | 26.202 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 65659    | 26.304 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.855 | 164  | 60625    | 25.746 | ug/L  | 90       |
| 48) 2-Hexanone                | 10.965 | 43   | 91564    | 49.827 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 67158    | 25.853 | ug/L  | 84       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 60389    | 25.387 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 223137   | 26.882 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 409824   | 28.171 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 150165   | 28.119 | ug/L  | 98       |
| 54) o-Xylene                  | 12.160 | 106  | 142894   | 28.929 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 254507   | 29.303 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 80514    | 25.571 | ug/L  | 96       |
| 59) Bromoform                 | 12.349 | 173  | 38886    | 26.593 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.459 | 105  | 399629   | 29.983 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 61412    | 26.787 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 285467   | 30.110 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 317985   | 30.389 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 165980   | 27.782 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 165297   | 27.007 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 153648   | 28.451 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 13065    | 23.838 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 107467   | 27.574 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 90375    | 26.353 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 175485   | 24.380 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 82359    | 26.433 | ug/L  | 99       |

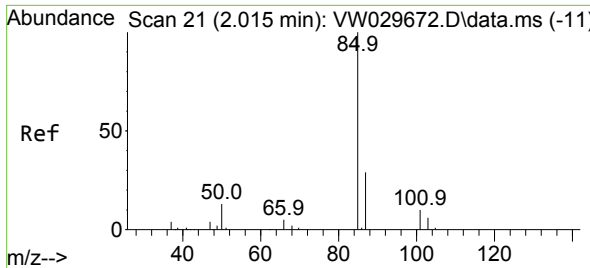
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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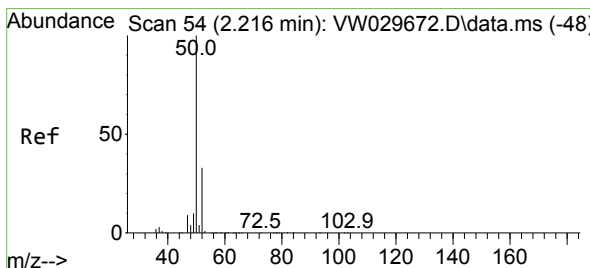
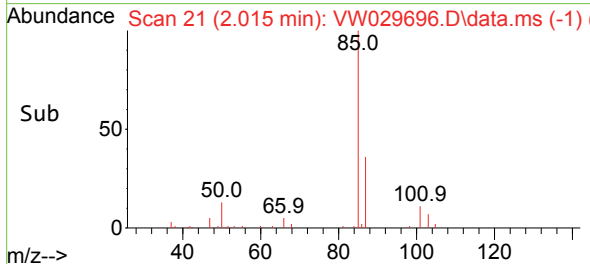
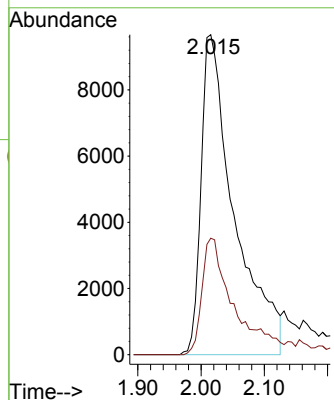
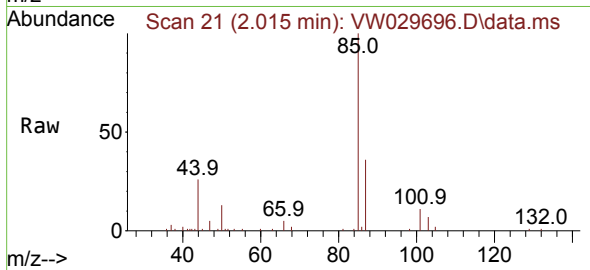




#2  
 Dichlorodifluoromethane  
 Concen: 17.433 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW029696.D  
 Acq: 23 Jul 2024 10:20

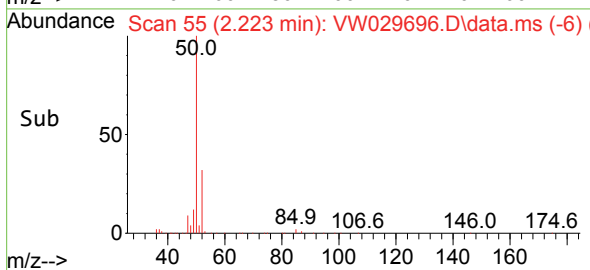
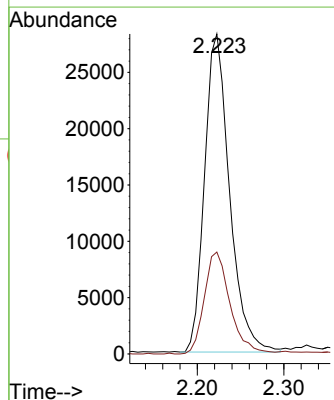
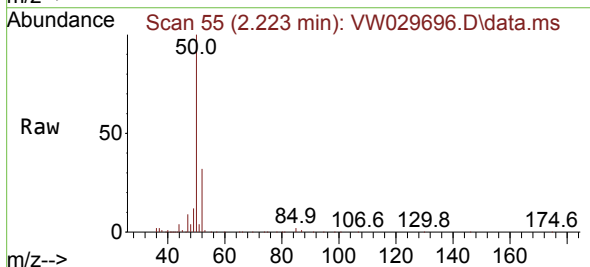
Instrument :  
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 ClientSampleId :

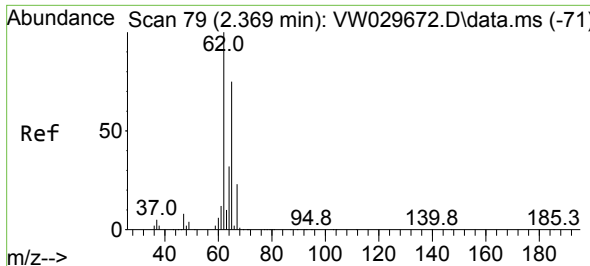
Tgt Ion: 85 Resp: 35292  
 Ion Ratio Lower Upper  
 85 100  
 87 30.3 26.1 39.1



#3  
 Chloromethane  
 Concen: 20.897 ug/L  
 RT: 2.223 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VW029696.D  
 Acq: 23 Jul 2024 10:20

Tgt Ion: 50 Resp: 56602  
 Ion Ratio Lower Upper  
 50 100  
 52 31.9 24.4 45.2

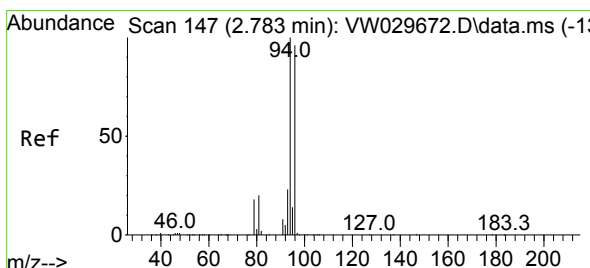
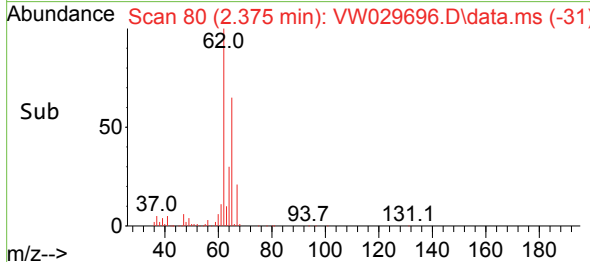
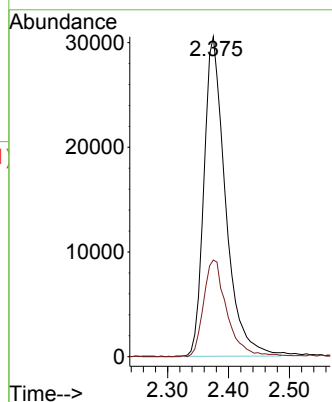
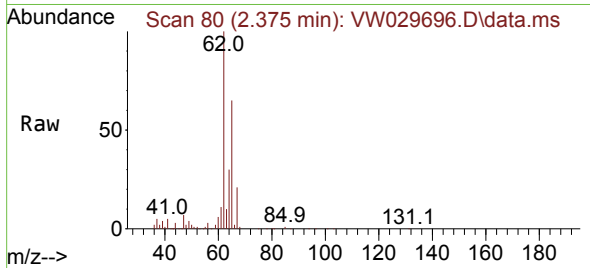




#5  
 Vinyl chloride  
 Concen: 24.256 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW029696.D  
 Acq: 23 Jul 2024 10:20

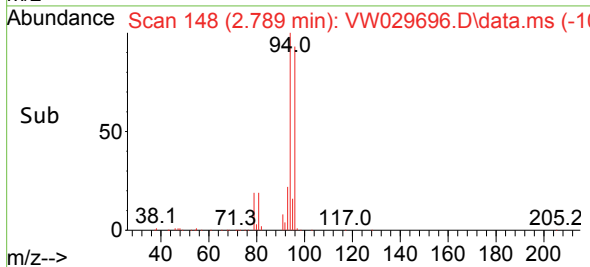
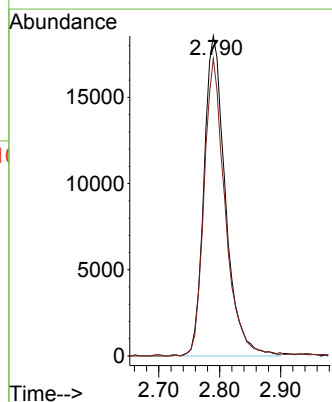
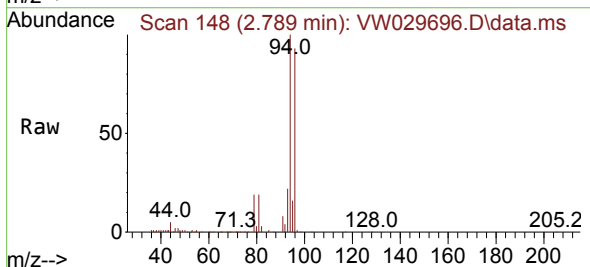
Instrument :  
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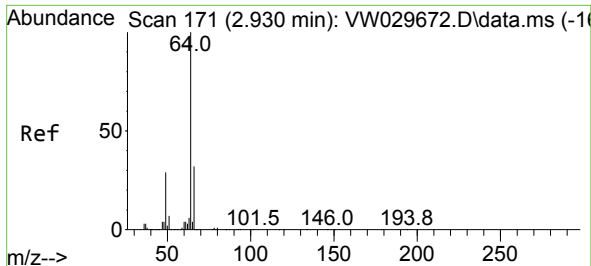
Tgt Ion: 62 Resp: 74974  
 Ion Ratio Lower Upper  
 62 100  
 64 30.2 25.1 46.5



#6  
 Bromomethane  
 Concen: 24.771 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.006 min  
 Lab File: VW029696.D  
 Acq: 23 Jul 2024 10:20

Tgt Ion: 94 Resp: 45336  
 Ion Ratio Lower Upper  
 94 100  
 96 92.9 61.7 114.7

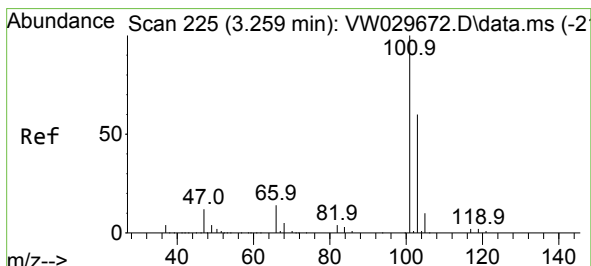
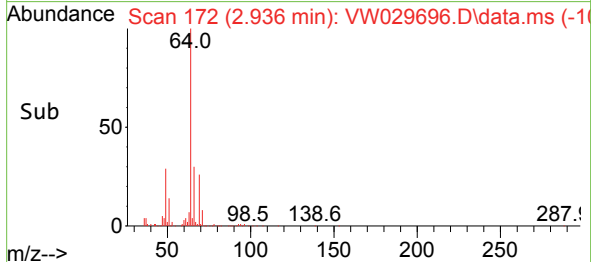
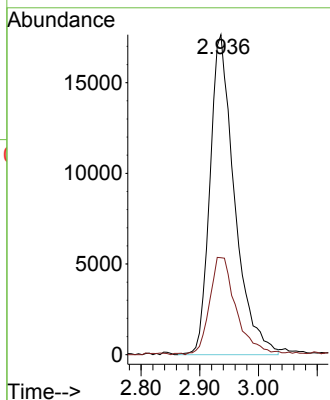
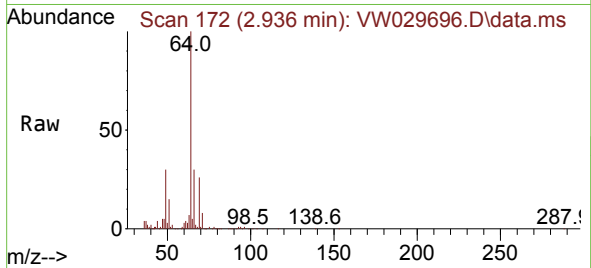




#8  
Chloroethane  
Concen: 26.992 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

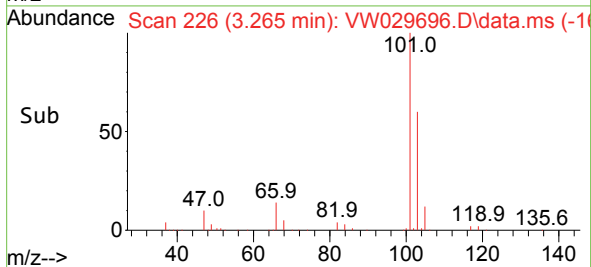
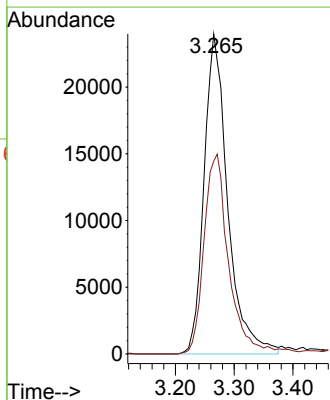
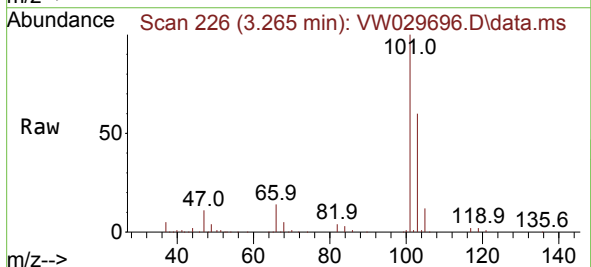
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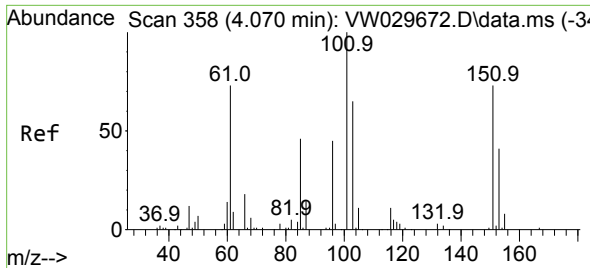
Tgt Ion: 64 Resp: 51337  
Ion Ratio Lower Upper  
64 100  
66 30.3 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 24.062 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion:101 Resp: 66950  
Ion Ratio Lower Upper  
101 100  
103 63.8 49.6 74.4

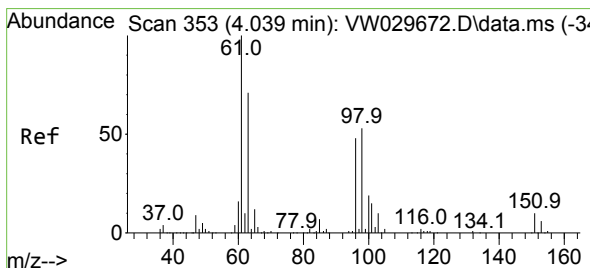
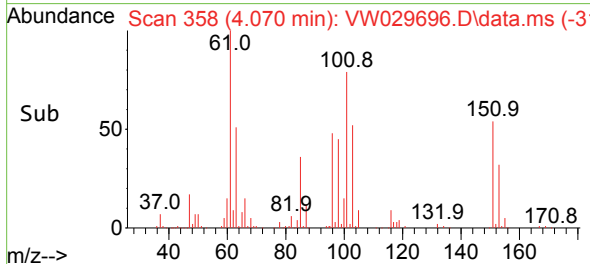
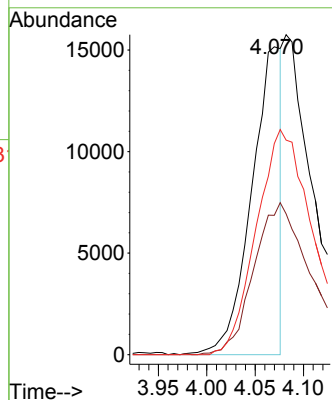
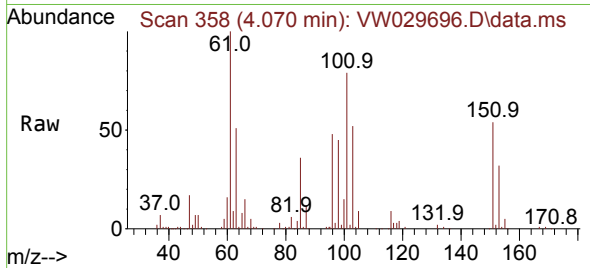




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 11.906 ug/L  
 RT: 4.070 min Scan# 358  
 Delta R.T. -0.006 min  
 Lab File: VW029696.D  
 Acq: 23 Jul 2024 10:20

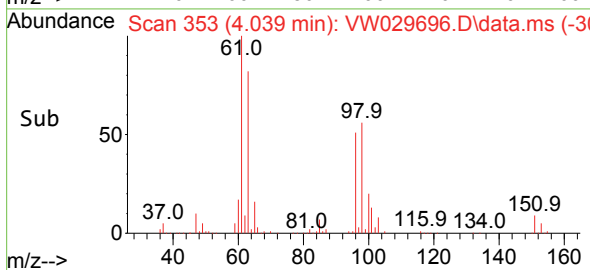
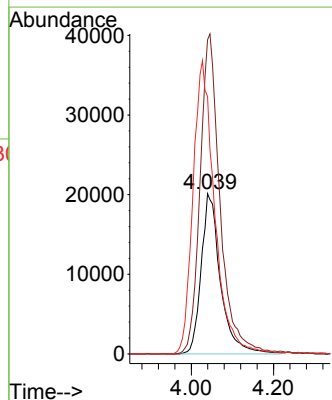
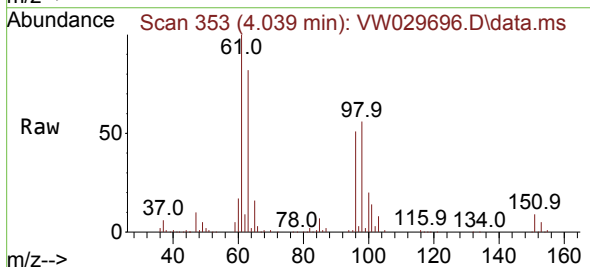
Instrument :  
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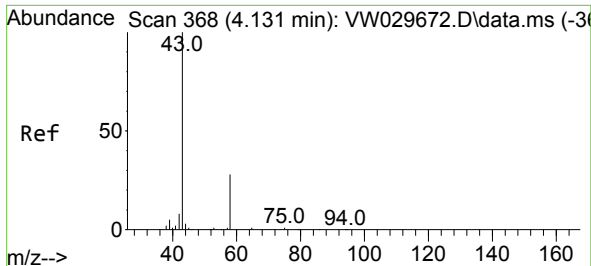
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 Ion Ratio Lower Upper  
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 85 91.1 33.8 50.8#  
 151 143.6 55.4 83.0#



#12  
 1,1-Dichloroethene  
 Concen: 25.479 ug/L  
 RT: 4.039 min Scan# 353  
 Delta R.T. -0.006 min  
 Lab File: VW029696.D  
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Tgt Ion: 96 Resp: 65506  
 Ion Ratio Lower Upper  
 96 100  
 61 196.0 132.4 245.8  
 63 160.6 108.4 201.2

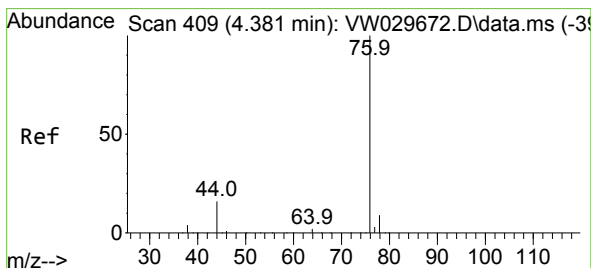
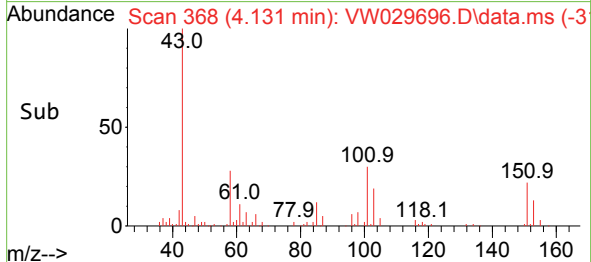
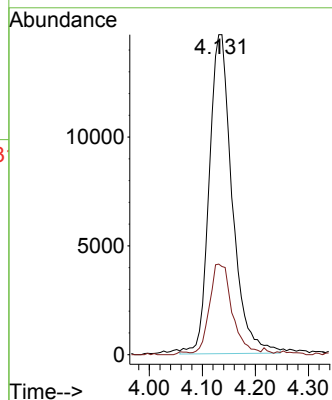
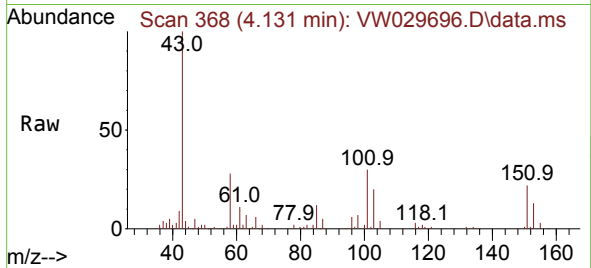




#13  
Acetone  
Concen: 43.608 ug/L  
RT: 4.131 min Scan# 30  
Delta R.T. 0.012 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

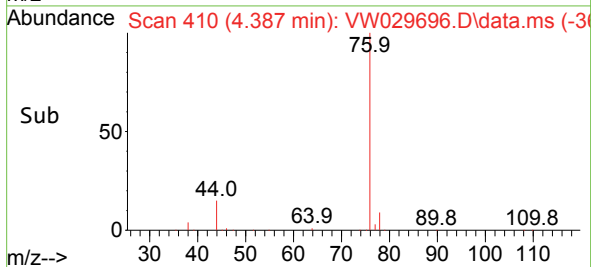
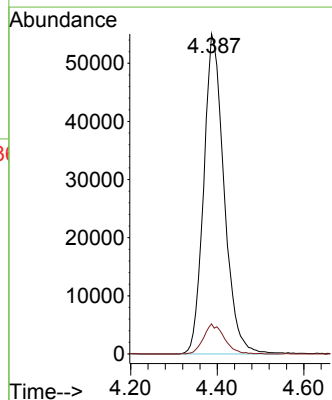
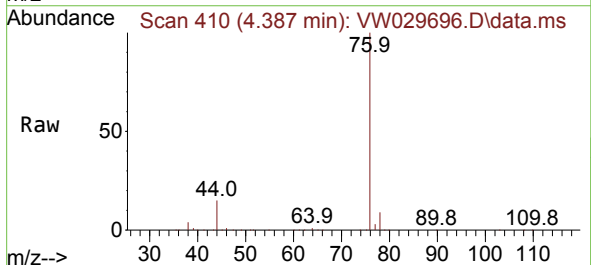
Instrument :  
MSVOA\_W  
ClientSampleId :

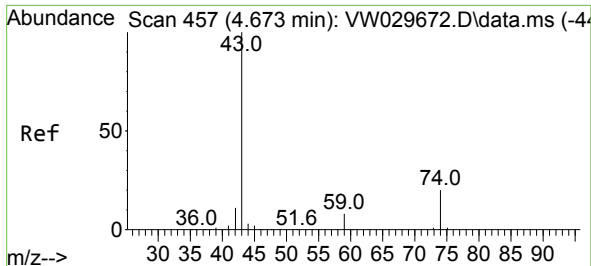
Tgt Ion: 43 Resp: 44126  
Ion Ratio Lower Upper  
43 100  
58 27.6 0.0 55.6



#14  
Carbon disulfide  
Concen: 21.547 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 76 Resp: 179898  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.4

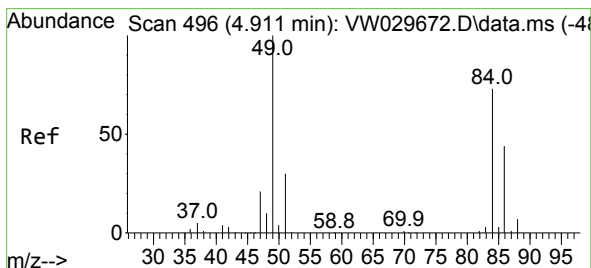
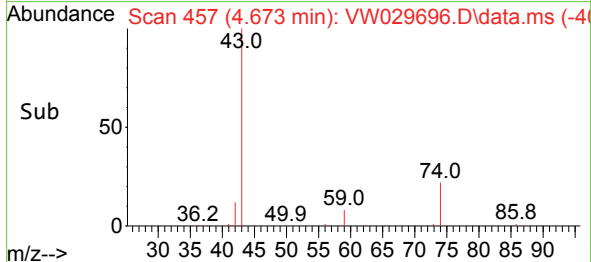
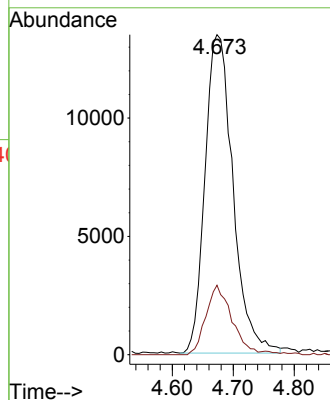
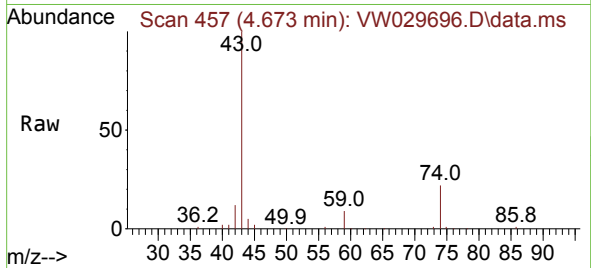




#15  
Methyl Acetate  
Concen: 24.154 ug/L  
RT: 4.673 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

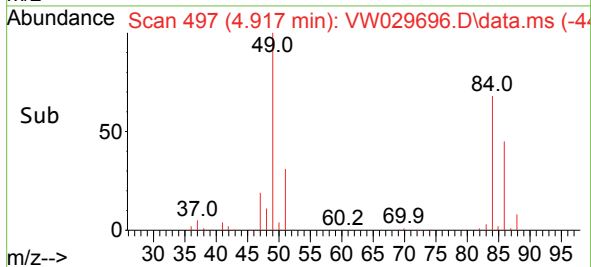
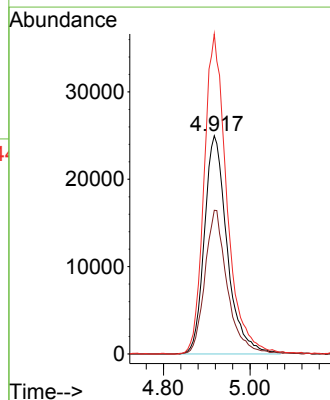
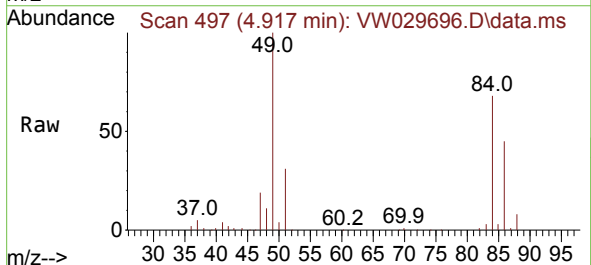
Instrument :  
MSVOA\_W  
ClientSampleId :

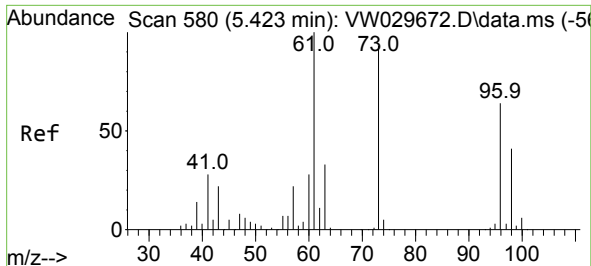
Tgt Ion: 43 Resp: 42911  
Ion Ratio Lower Upper  
43 100  
74 20.0 16.2 24.4



#16  
Methylene chloride  
Concen: 24.698 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 84 Resp: 91414  
Ion Ratio Lower Upper  
84 100  
86 65.9 46.2 85.8  
49 146.7 96.7 179.7

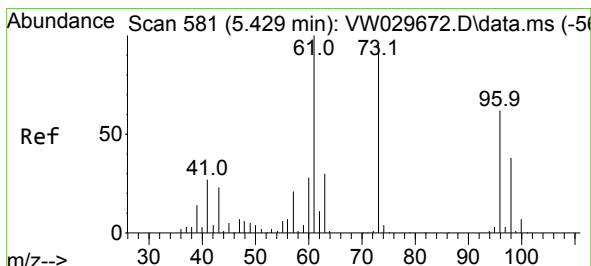
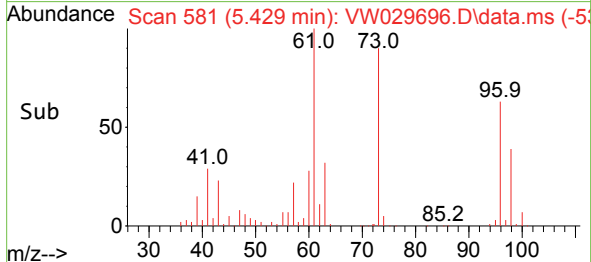
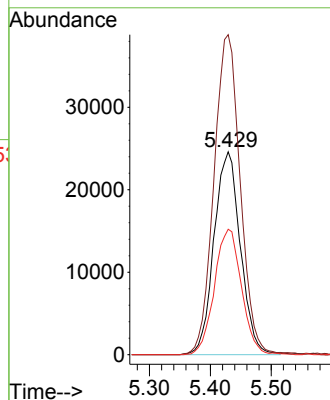
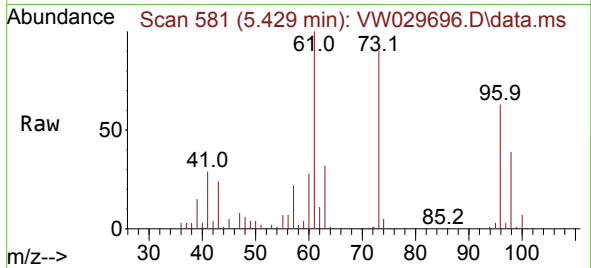




#17  
trans-1,2-Dichloroethene  
Concen: 26.011 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

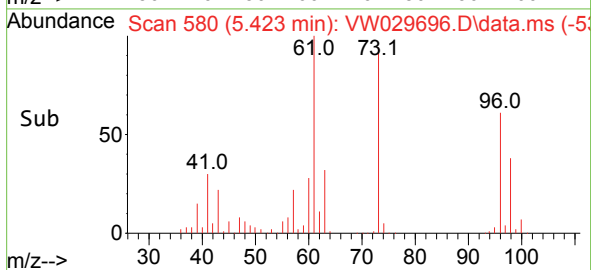
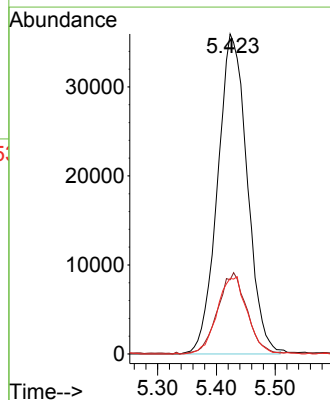
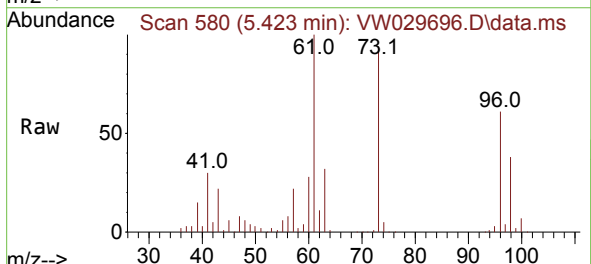
Instrument :  
MSVOA\_W  
ClientSampleId :

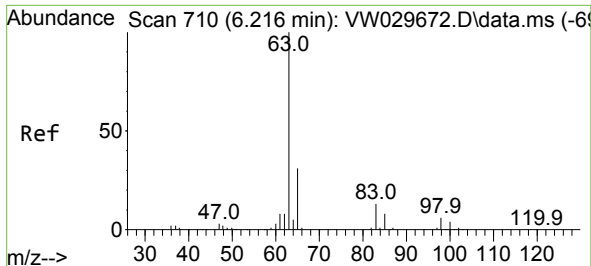
Tgt Ion: 96 Resp: 74031  
Ion Ratio Lower Upper  
96 100  
61 157.8 102.9 191.1  
98 61.8 43.9 81.5



#18  
Methyl tert-butyl Ether  
Concen: 25.958 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 73 Resp: 125699  
Ion Ratio Lower Upper  
73 100  
43 25.1 18.7 28.1  
57 24.5 18.9 28.3

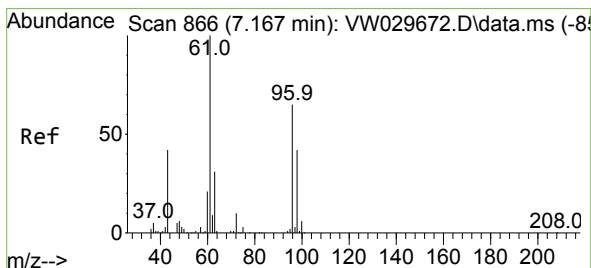
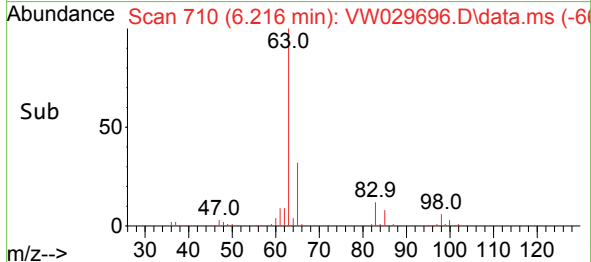
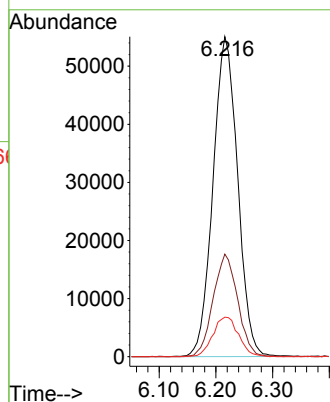
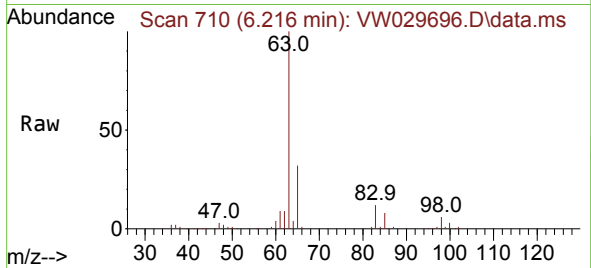




#19  
1,1-Dichloroethane  
Concen: 28.403 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

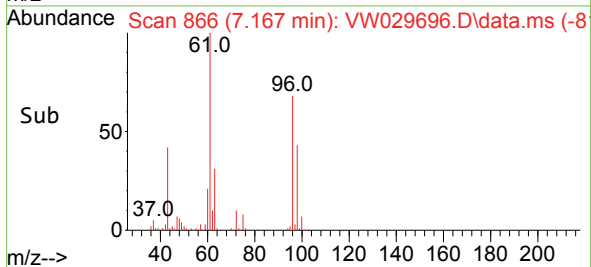
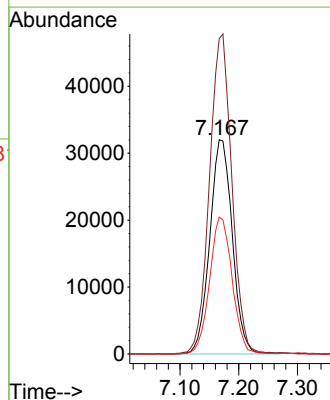
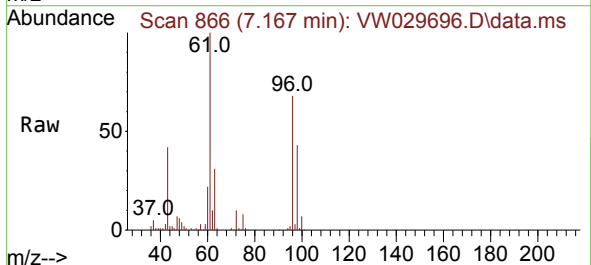
Instrument :  
MSVOA\_W  
ClientSampleId :

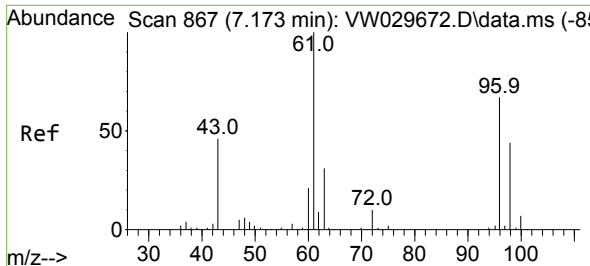
Tgt Ion: 63 Resp: 166011  
Ion Ratio Lower Upper  
63 100  
65 32.1 21.5 39.9  
83 12.3 8.7 16.1



#20  
cis-1,2-Dichloroethene  
Concen: 27.464 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 96 Resp: 85474  
Ion Ratio Lower Upper  
96 100  
61 147.2 97.4 180.8  
98 64.0 41.6 77.2

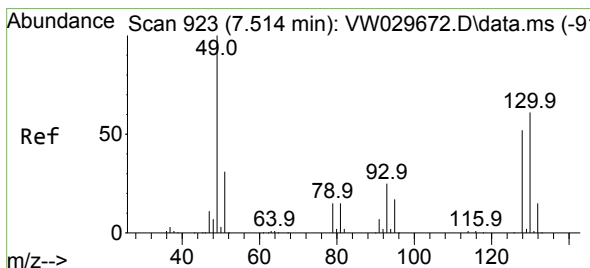
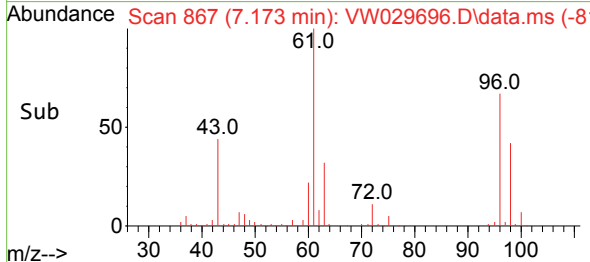
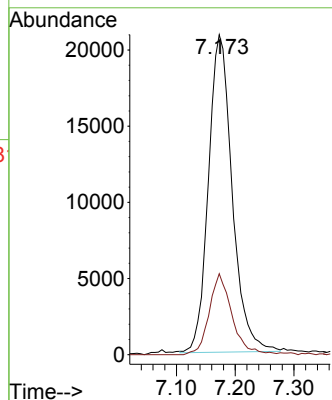
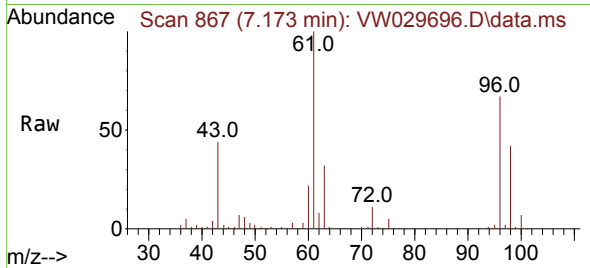




#22  
2-Butanone  
Concen: 44.155 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

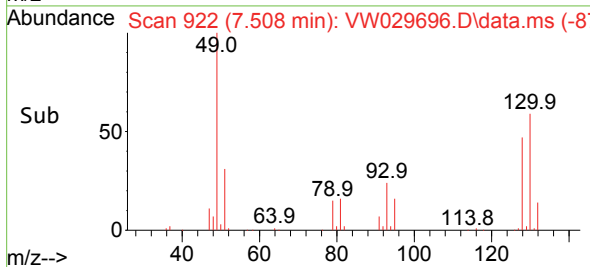
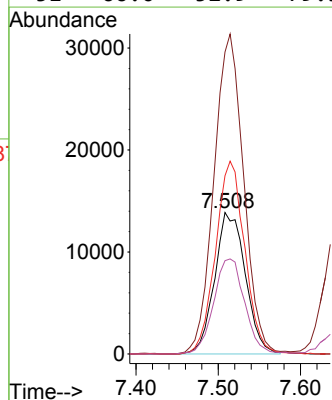
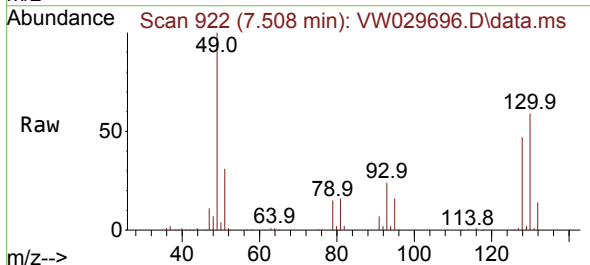
Instrument :  
MSVOA\_W  
ClientSampleId :

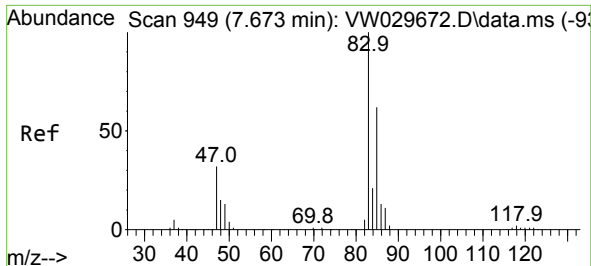
Tgt Ion: 43 Resp: 58655  
Ion Ratio Lower Upper  
43 100  
72 23.5 12.0 36.1



#23  
Bromochloromethane  
Concen: 25.723 ug/L  
RT: 7.508 min Scan# 922  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 128 Resp: 36009  
Ion Ratio Lower Upper  
128 100  
49 213.5 146.2 271.4  
130 126.1 91.9 170.7  
51 66.0 52.9 79.3

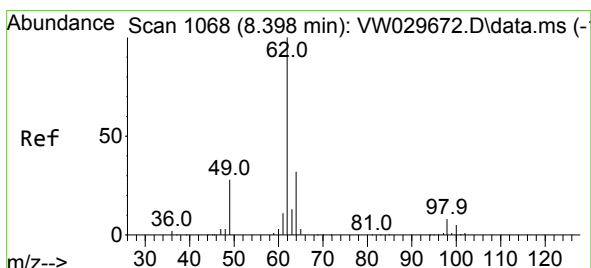
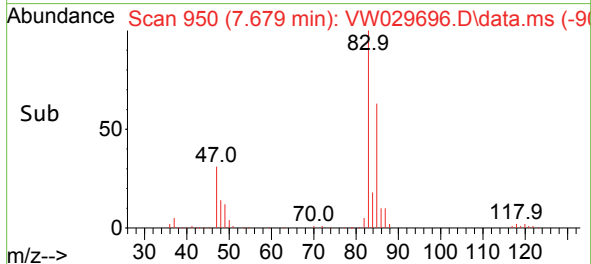
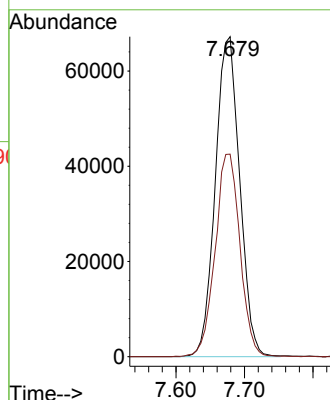
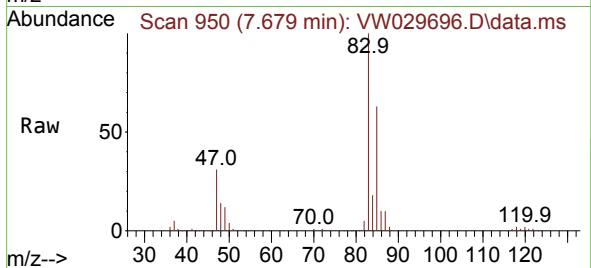




#25  
Chloroform  
Concen: 29.352 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

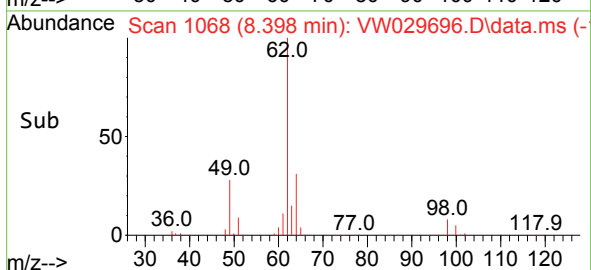
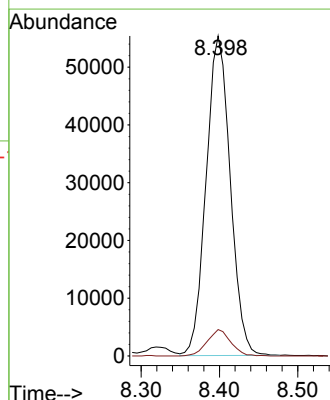
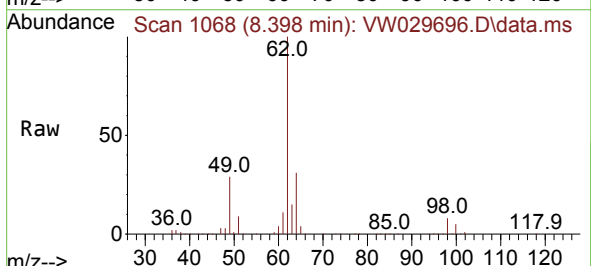
Instrument :  
MSVOA\_W  
ClientSampleId :

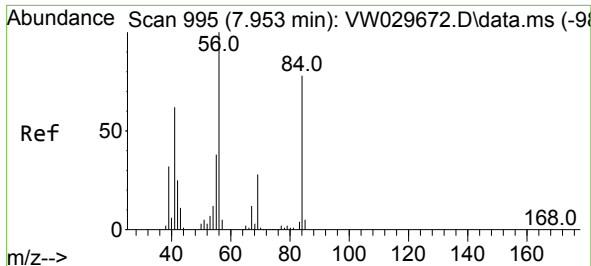
Tgt Ion: 83 Resp: 165994  
Ion Ratio Lower Upper  
83 100  
85 63.3 44.1 81.9



#27  
1,2-Dichloroethane  
Concen: 27.924 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 62 Resp: 118448  
Ion Ratio Lower Upper  
62 100  
98 8.2 6.0 9.0





#29

Cyclohexane

Concen: 25.132 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.000 min

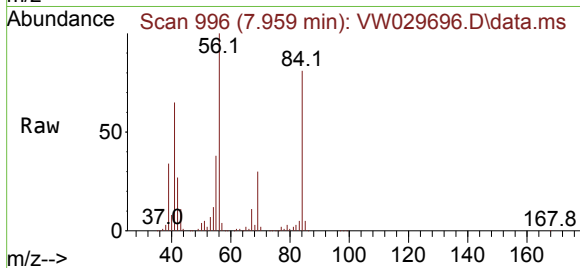
Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

Instrument :

MSVOA\_W

ClientSampleId :



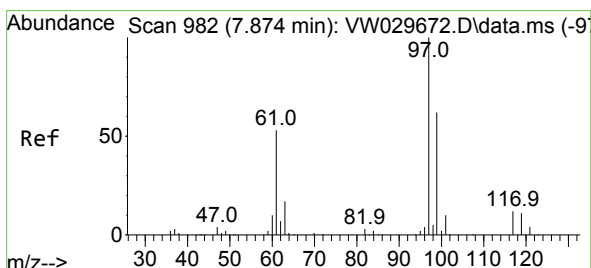
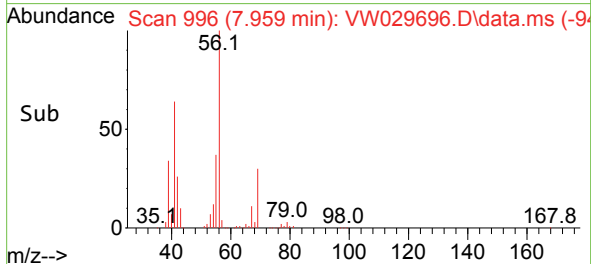
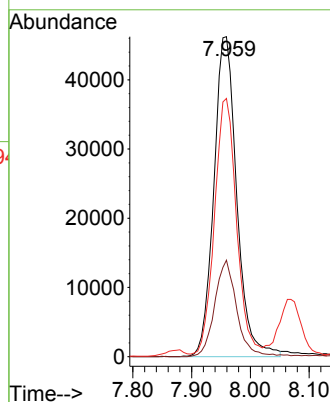
Tgt Ion: 56 Resp: 125540

Ion Ratio Lower Upper

56 100

69 28.6 23.3 34.9

84 77.8 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 27.405 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

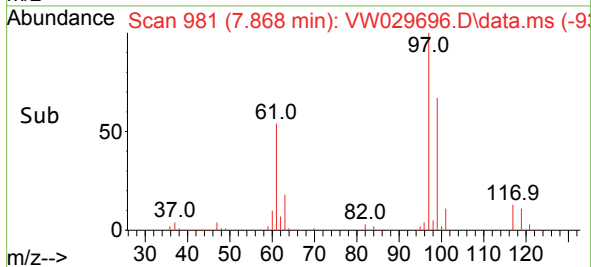
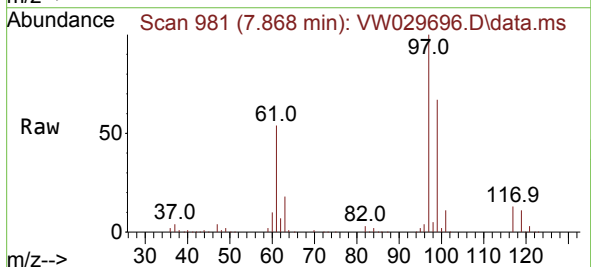
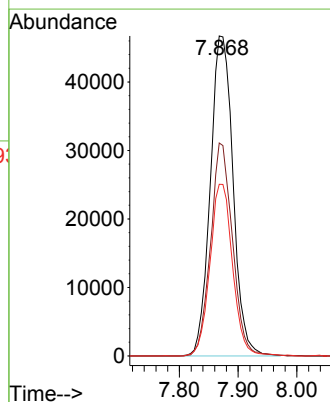
Tgt Ion: 97 Resp: 125542

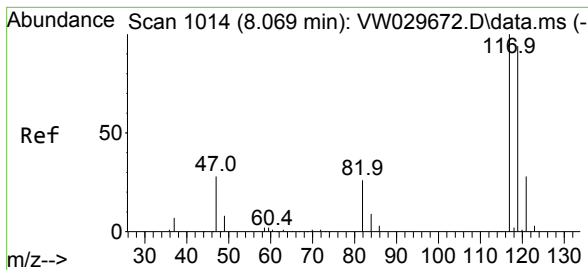
Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

61 53.4 40.6 61.0

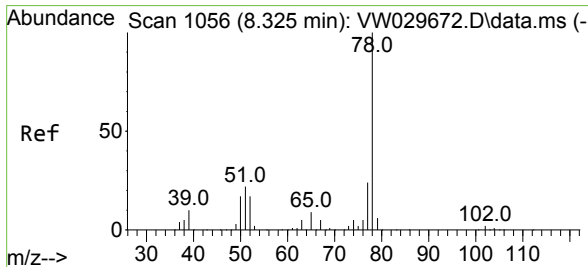
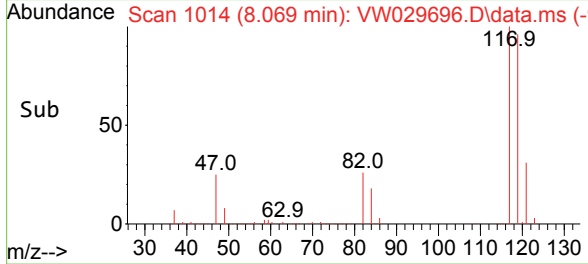
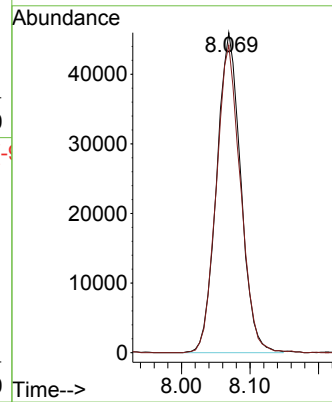
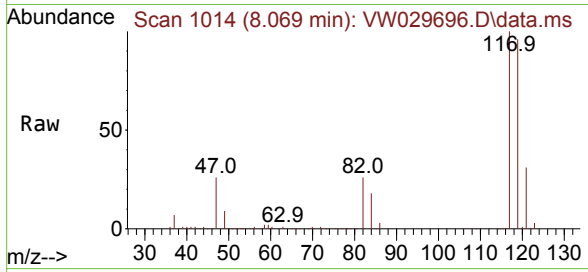




#31  
Carbon tetrachloride  
Concen: 26.746 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

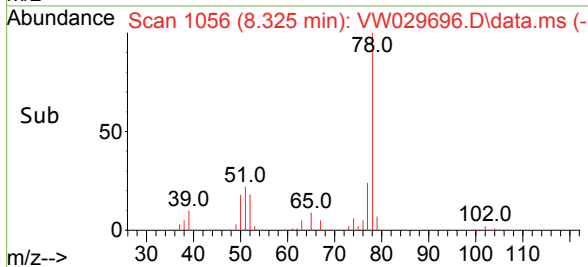
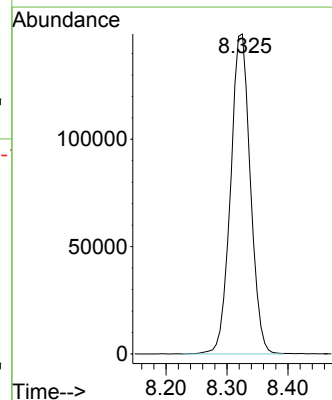
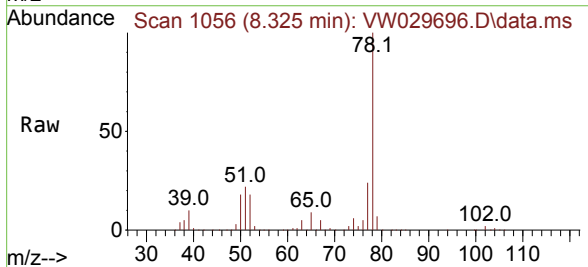
Instrument :  
MSVOA\_W  
ClientSampleId :

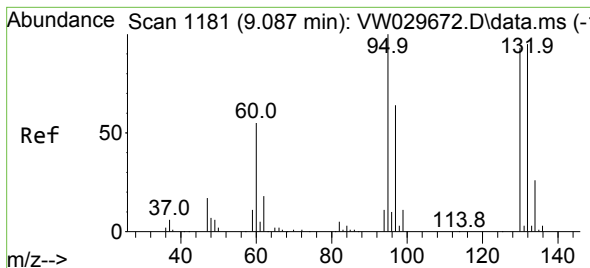
Tgt Ion:117 Resp: 112208  
Ion Ratio Lower Upper  
117 100  
119 96.3 77.0 115.6



#33  
Benzene  
Concen: 26.715 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 78 Resp: 335309





#34

Trichloroethene

Concen: 26.562 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 88039

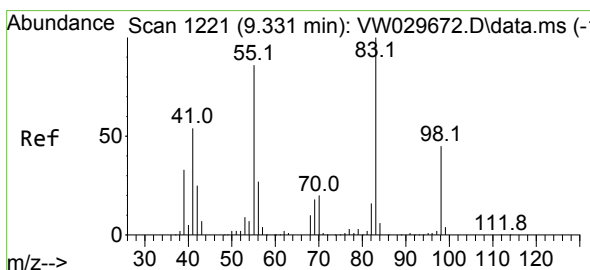
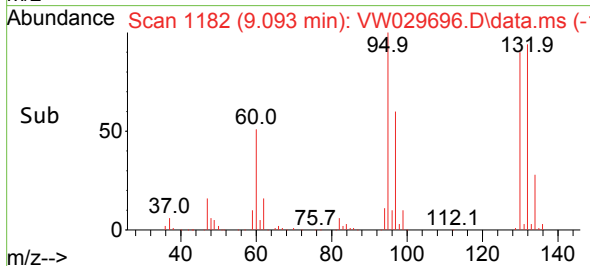
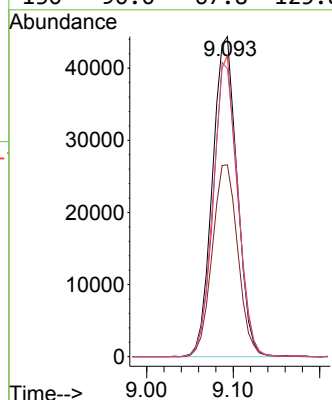
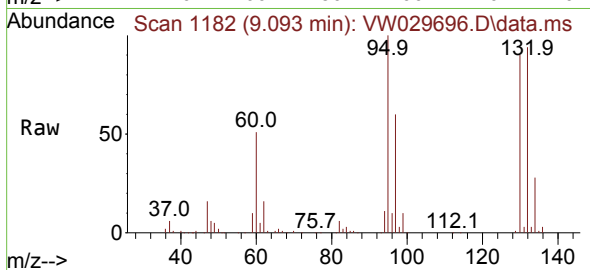
Ion Ratio Lower Upper

95 100

97 60.0 47.3 87.9

132 94.1 65.8 122.2

130 90.0 67.8 125.8



#35

Methylcyclohexane

Concen: 25.576 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

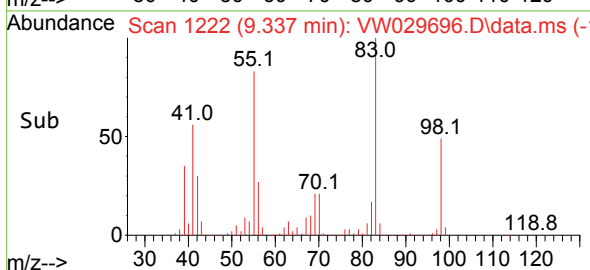
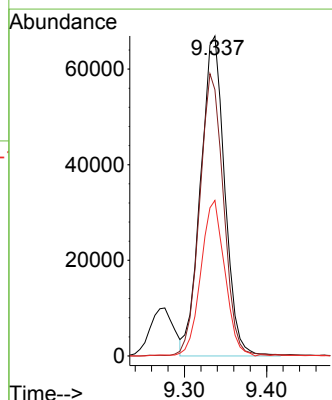
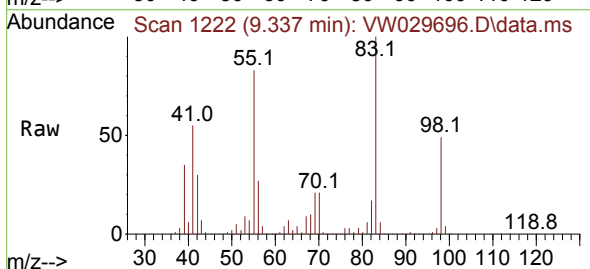
Tgt Ion: 83 Resp: 136255

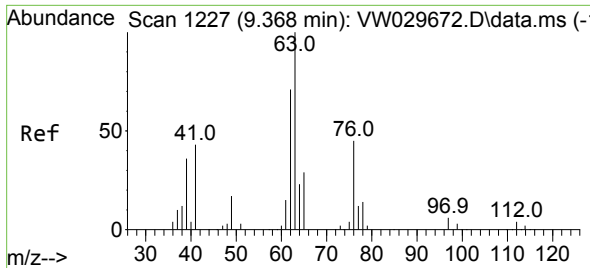
Ion Ratio Lower Upper

83 100

55 86.9 69.6 104.4

98 48.2 38.3 57.5

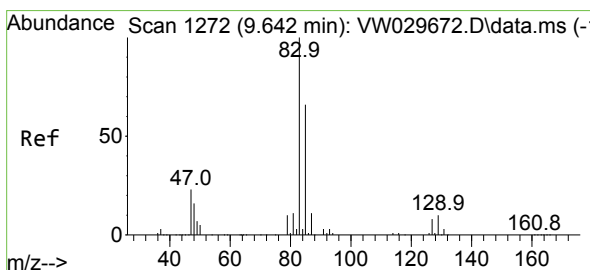
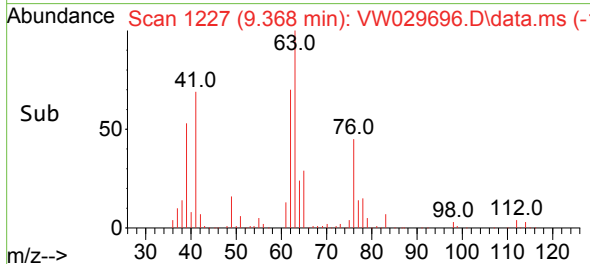
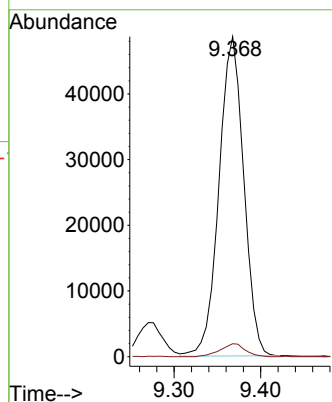
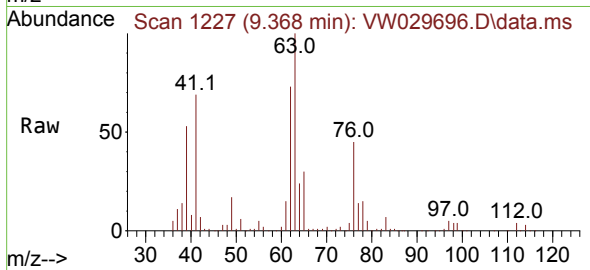




#37  
1,2-Dichloropropane  
Concen: 27.818 ug/L  
RT: 9.368 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

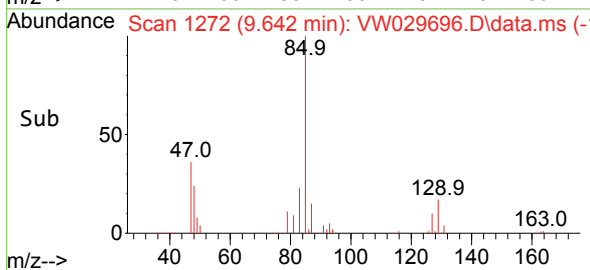
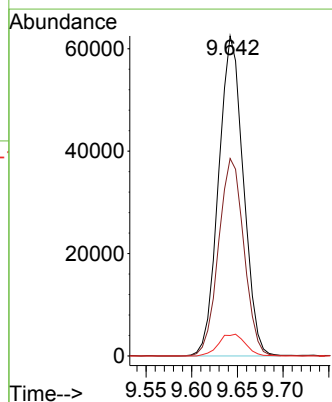
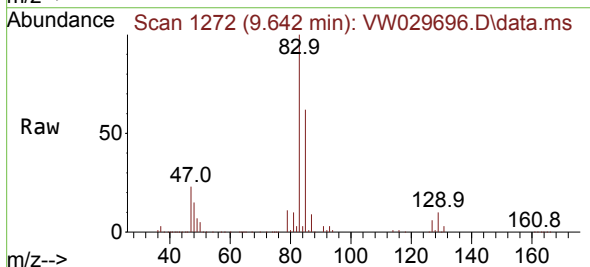
Instrument :  
MSVOA\_W  
ClientSampleId :

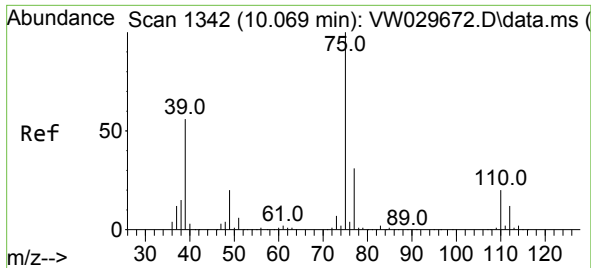
Tgt Ion: 63 Resp: 96548  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.3 4.9



#38  
Bromodichloromethane  
Concen: 27.824 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 83 Resp: 117956  
Ion Ratio Lower Upper  
83 100  
85 61.7 46.1 85.5  
127 6.4 6.1 9.1

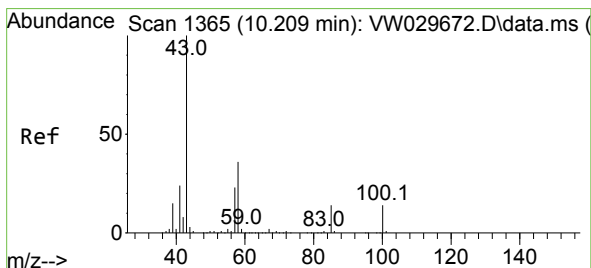
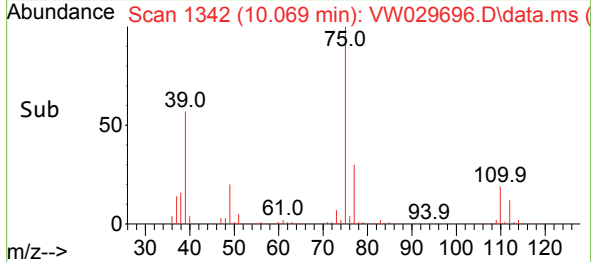
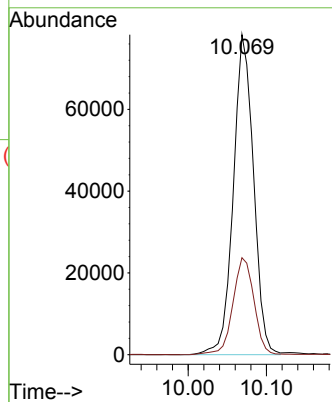
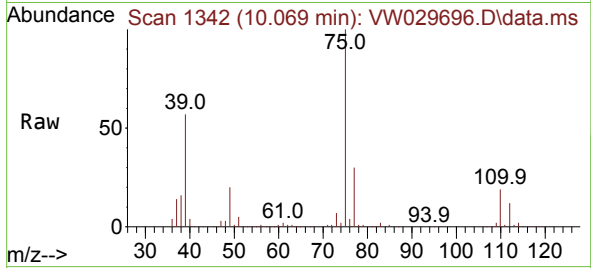




#39  
 cis-1,3-Dichloropropene  
 Concen: 26.860 ug/L  
 RT: 10.069 min Scan# 1342  
 Delta R.T. 0.000 min  
 Lab File: VW029696.D  
 Acq: 23 Jul 2024 10:20

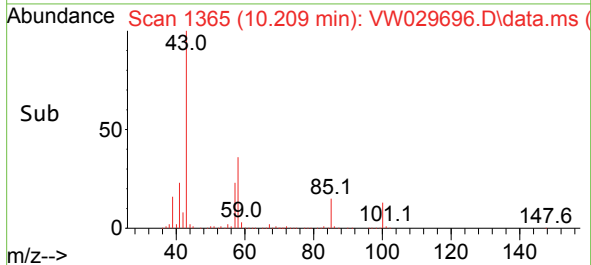
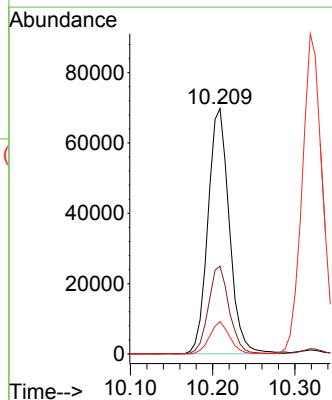
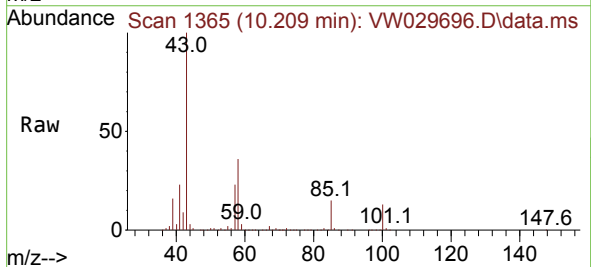
Instrument :  
 MSVOA\_W  
 ClientSampleId :

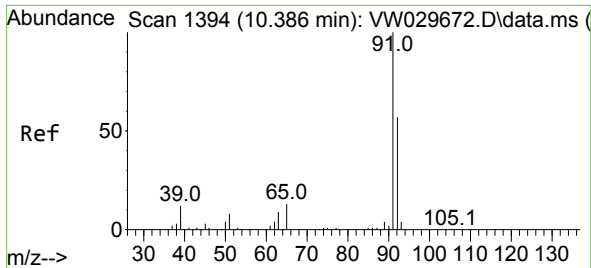
Tgt Ion: 75 Resp: 140020  
 Ion Ratio Lower Upper  
 75 100  
 77 30.3 22.2 41.2



#40  
 4-Methyl-2-pentanone  
 Concen: 51.524 ug/L  
 RT: 10.209 min Scan# 1365  
 Delta R.T. 0.000 min  
 Lab File: VW029696.D  
 Acq: 23 Jul 2024 10:20

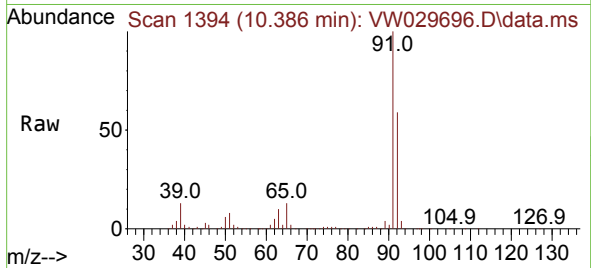
Tgt Ion: 43 Resp: 126032  
 Ion Ratio Lower Upper  
 43 100  
 58 35.0 29.0 43.6  
 100 12.5 10.5 15.7



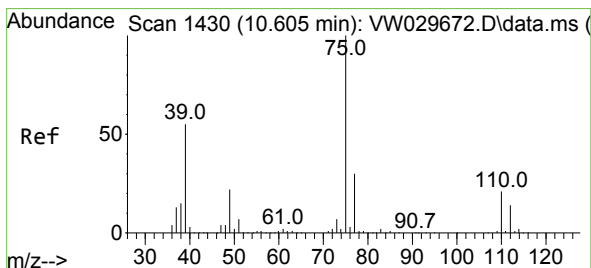
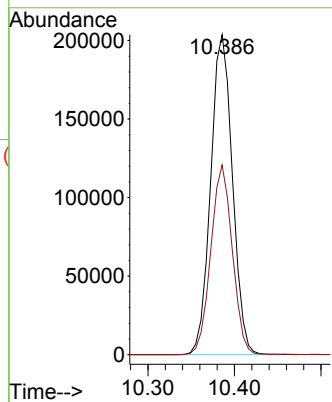
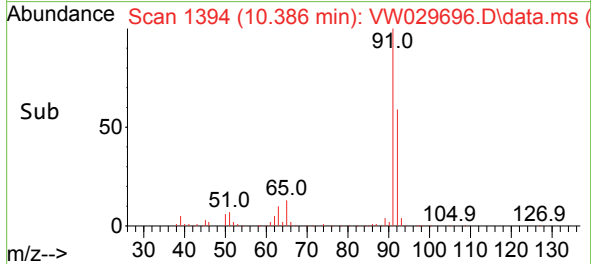


#42  
Toluene  
Concen: 27.686 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :

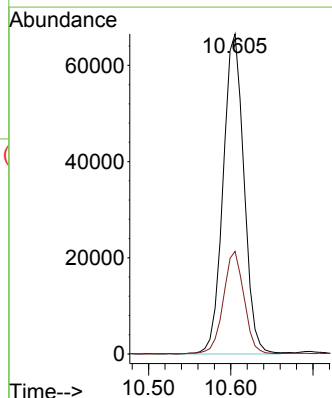
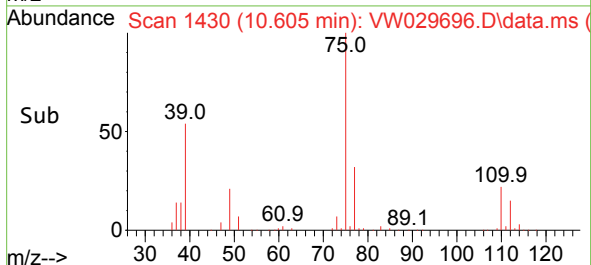
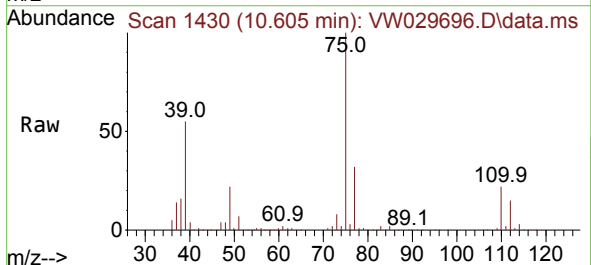


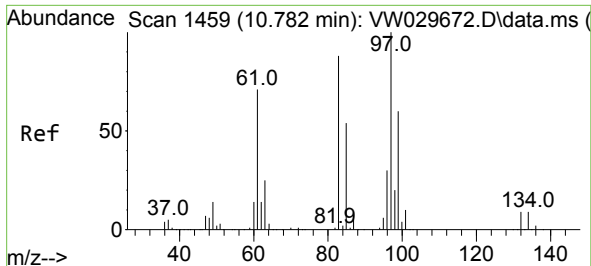
Tgt Ion: 91 Resp: 355490  
Ion Ratio Lower Upper  
91 100  
92 59.3 41.1 76.3



#44  
trans-1,3-Dichloropropene  
Concen: 26.202 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 75 Resp: 117073  
Ion Ratio Lower Upper  
75 100  
77 32.1 22.4 41.6

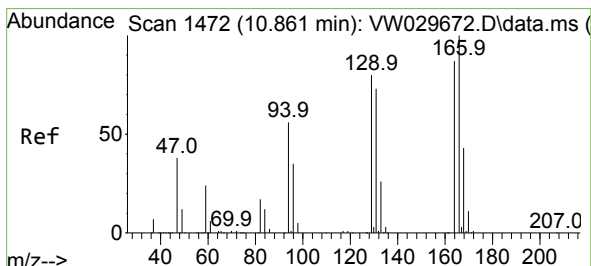
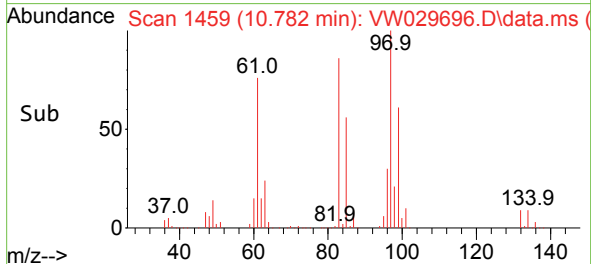
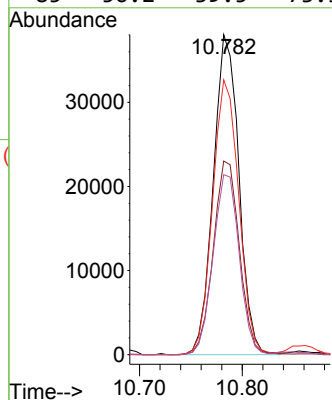
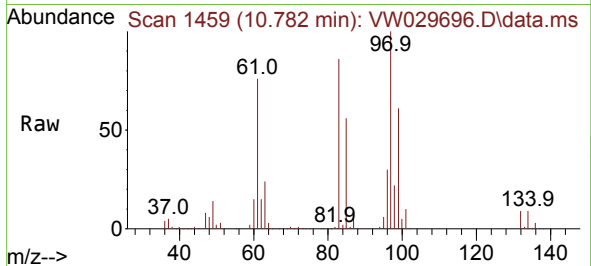




#45  
1,1,2-Trichloroethane  
Concen: 26.304 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

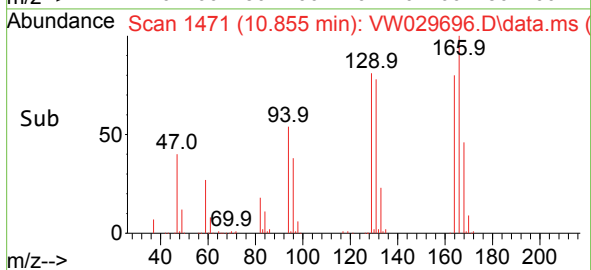
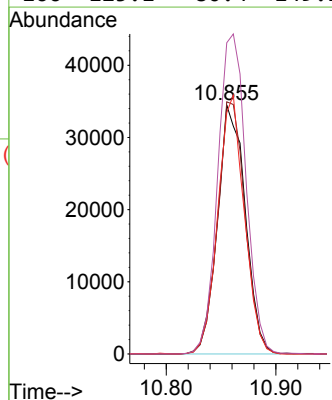
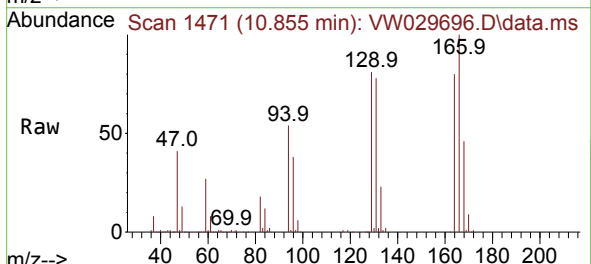
Instrument :  
MSVOA\_W  
ClientSampleId :

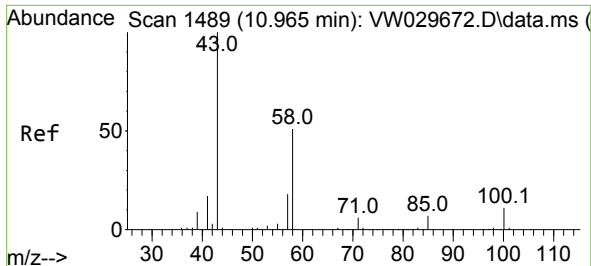
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 65659 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 60.5     | 43.8 81.4   |
| 83 85.9     | 60.3 111.9  |
| 85 56.2     | 39.5 73.3   |



#46  
Tetrachloroethene  
Concen: 25.746 ug/L  
RT: 10.855 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

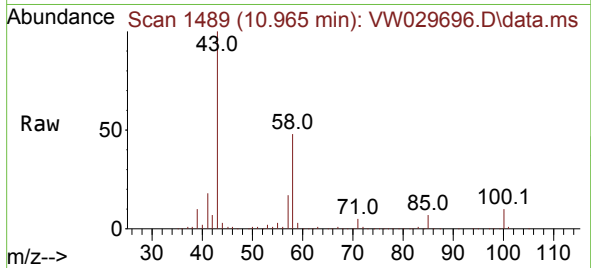
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 60625 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 101.4   | 60.0  | 111.4 |
| 131 | 97.0    | 64.6  | 120.0 |
| 166 | 125.1   | 80.4  | 149.2 |



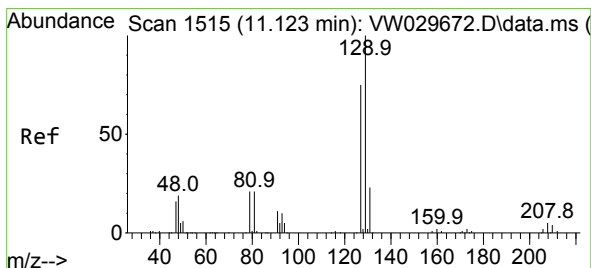
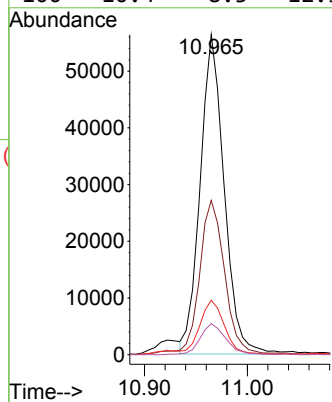
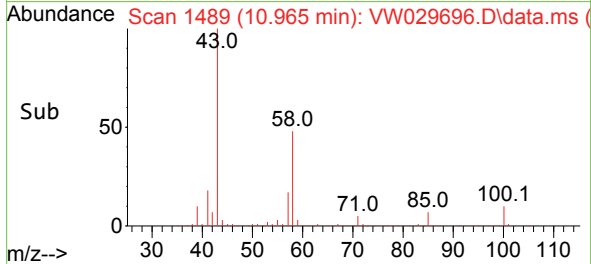


#48  
2-Hexanone  
Concen: 49.827 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :

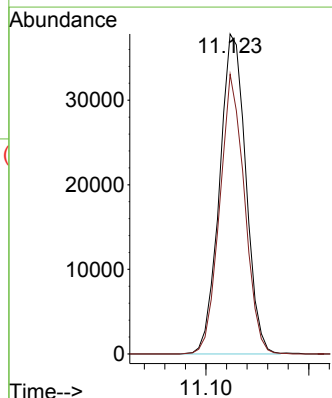
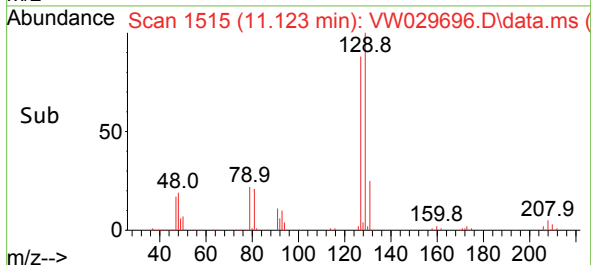
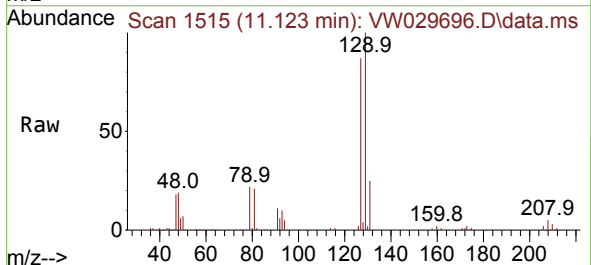


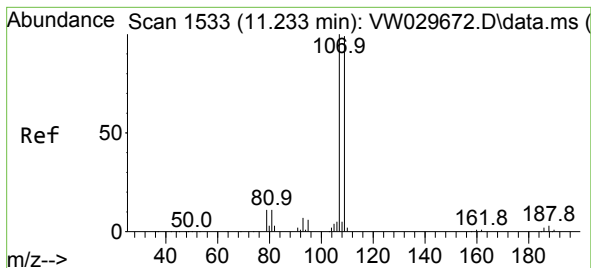
Tgt Ion: 43 Resp: 91564  
Ion Ratio Lower Upper  
43 100  
58 48.3 39.8 59.8  
57 17.2 14.6 21.8  
100 10.4 8.3 12.5



#49  
Dibromochloromethane  
Concen: 25.853 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

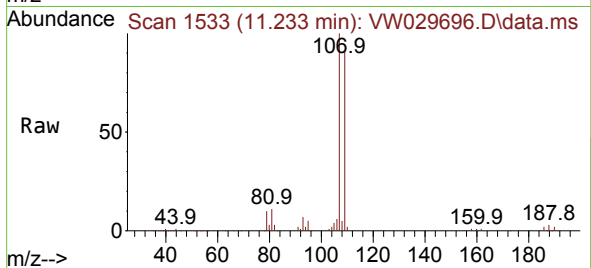
Tgt Ion: 129 Resp: 67158  
Ion Ratio Lower Upper  
129 100  
127 87.4 51.9 96.3



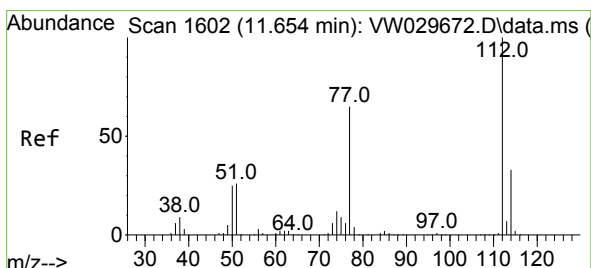
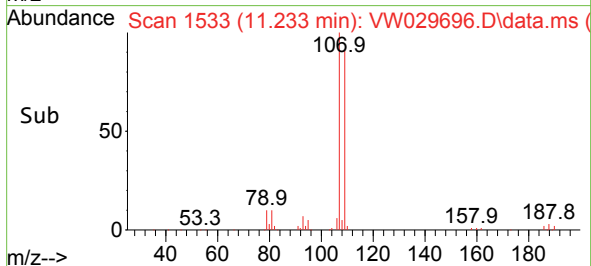
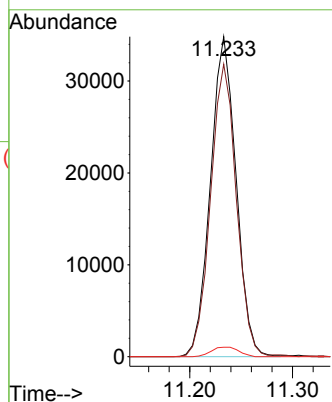


#50  
1,2-Dibromoethane  
Concen: 25.387 ug/L  
RT: 11.233 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :

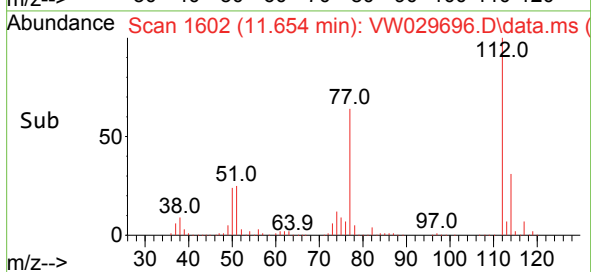
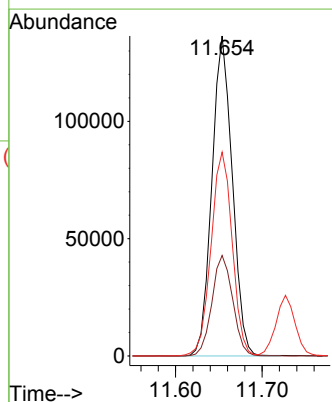
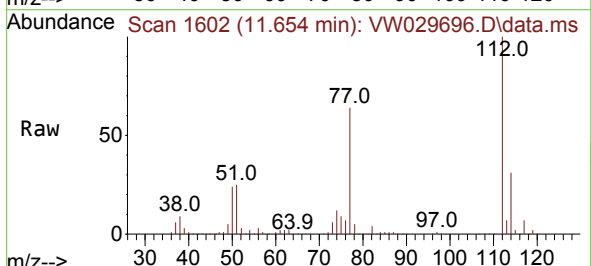


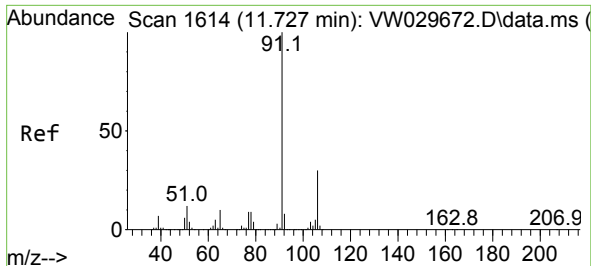
Tgt Ion:107 Resp: 60389  
Ion Ratio Lower Upper  
107 100  
109 91.4 63.2 117.4  
188 2.9 2.9 4.3



#51  
Chlorobenzene  
Concen: 26.882 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion:112 Resp: 223137  
Ion Ratio Lower Upper  
112 100  
114 31.4 22.6 42.0  
77 63.7 49.9 74.9

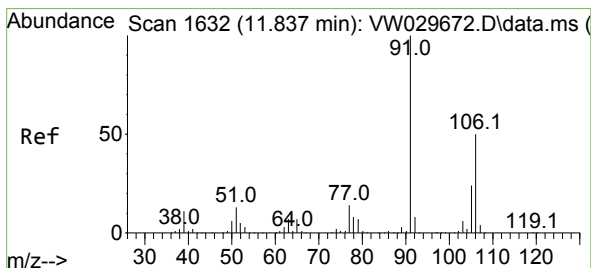
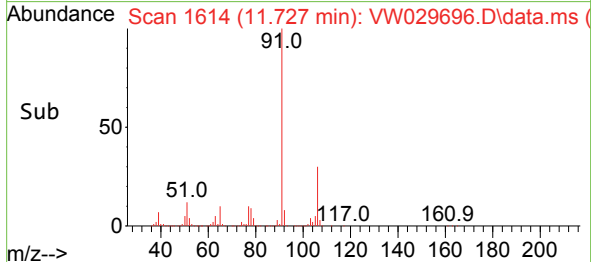
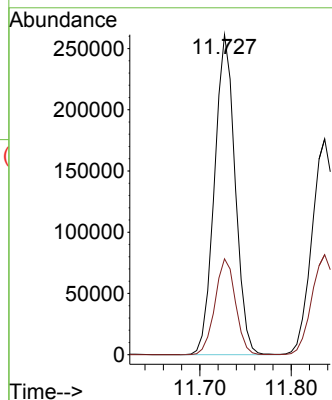
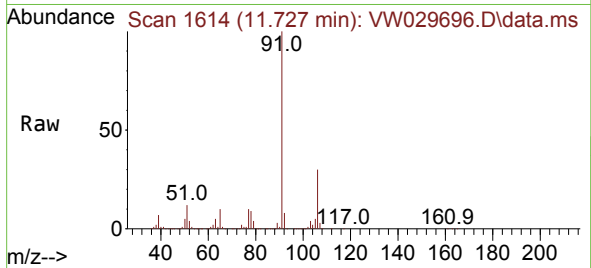




#52  
Ethylbenzene  
Concen: 28.171 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

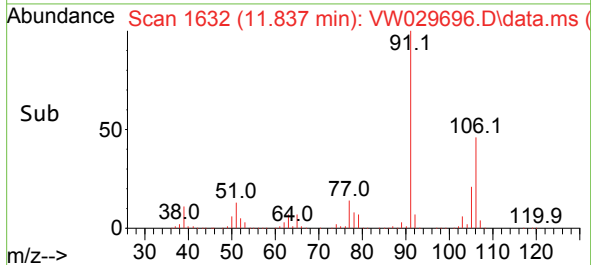
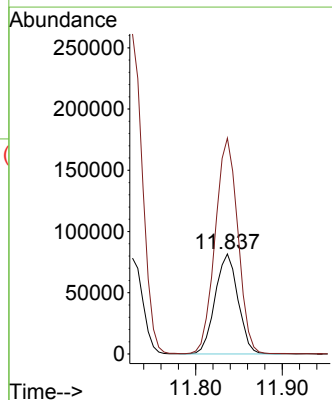
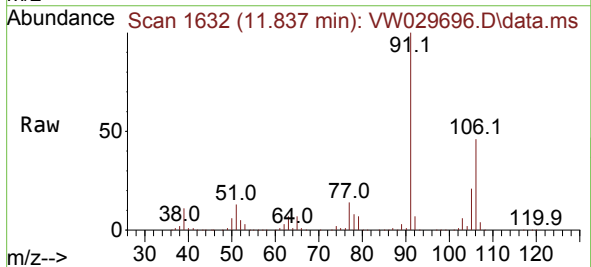
Instrument :  
MSVOA\_W  
ClientSampleId :

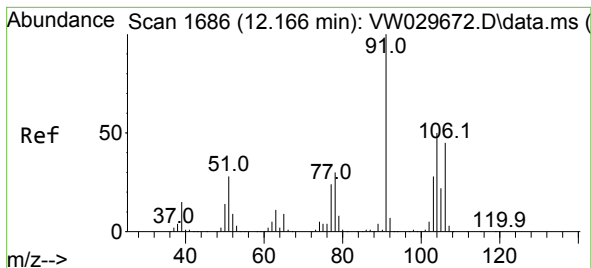
Tgt Ion: 91 Resp: 409824  
Ion Ratio Lower Upper  
91 100  
106 29.9 20.2 37.6



#53  
m,p-Xylene  
Concen: 28.119 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion:106 Resp: 150165  
Ion Ratio Lower Upper  
106 100  
91 215.9 149.3 277.3





#54

o-Xylene

Concen: 28.929 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

Instrument :

MSVOA\_W

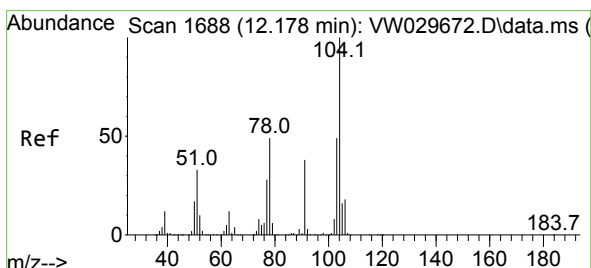
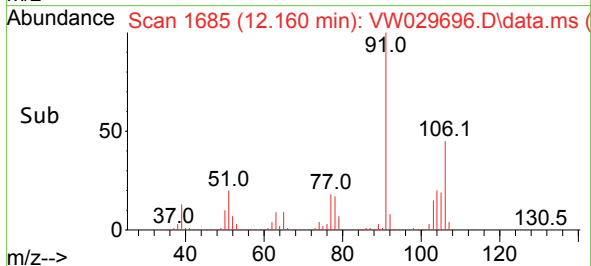
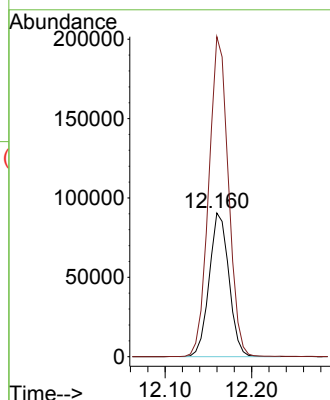
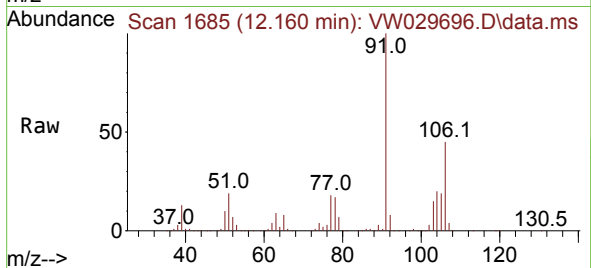
ClientSampleId :

Tgt Ion:106 Resp: 142894

Ion Ratio Lower Upper

106 100

91 222.7 159.2 295.6



#55

Styrene

Concen: 29.303 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW029696.D

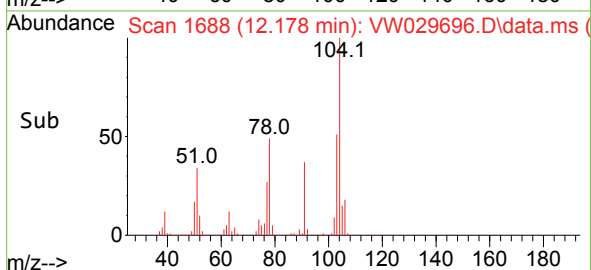
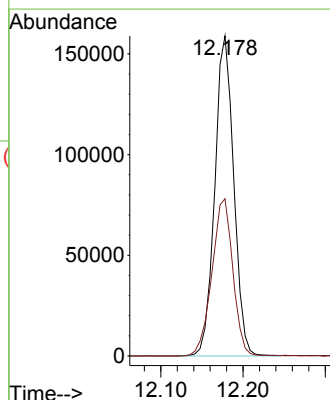
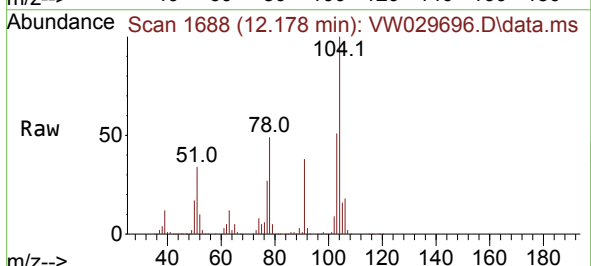
Acq: 23 Jul 2024 10:20

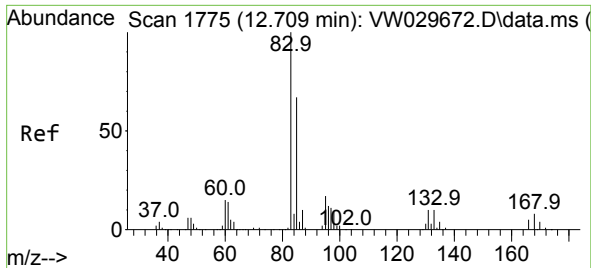
Tgt Ion:104 Resp: 254507

Ion Ratio Lower Upper

104 100

78 49.1 34.7 64.5

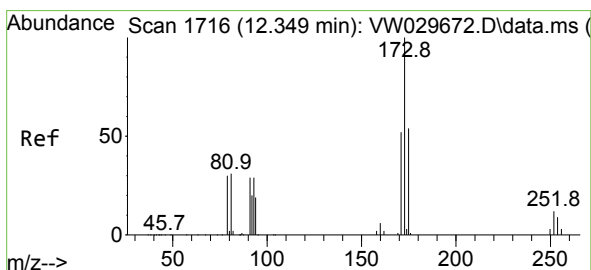
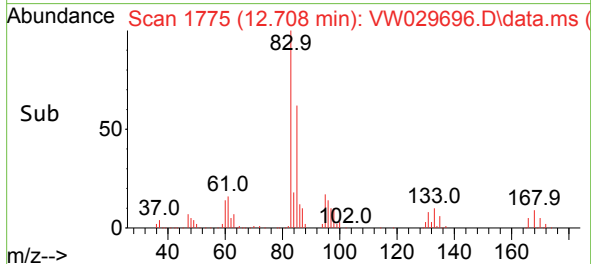
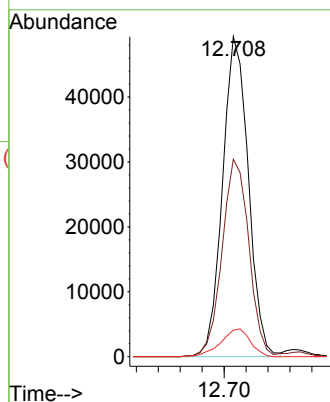
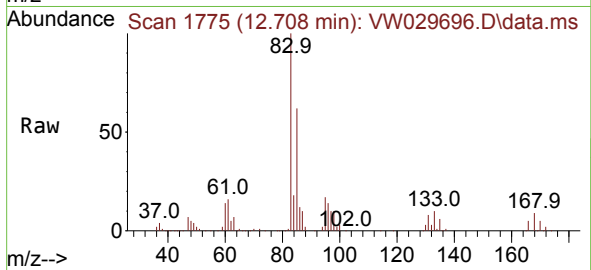




#57  
1,1,2,2-Tetrachloroethane  
Concen: 25.571 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

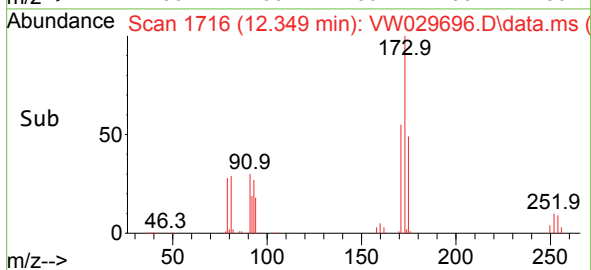
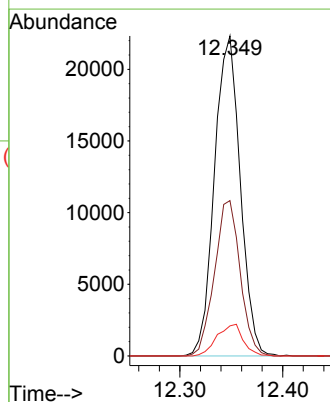
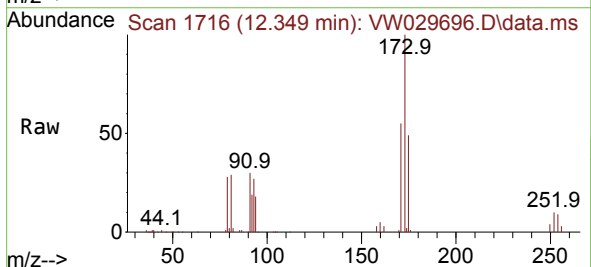
Instrument :  
MSVOA\_W  
ClientSampleId :

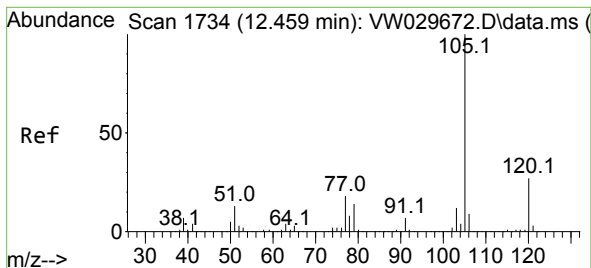
Tgt Ion: 83 Resp: 80514  
Ion Ratio Lower Upper  
83 100  
85 61.7 45.4 84.4  
131 8.2 6.4 9.6



#59  
Bromoform  
Concen: 26.593 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion:173 Resp: 38886  
Ion Ratio Lower Upper  
173 100  
175 48.3 40.4 60.6  
254 10.1 8.8 13.2





#60

Isopropylbenzene

Concen: 29.983 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

Instrument :

MSVOA\_W

ClientSampleId :

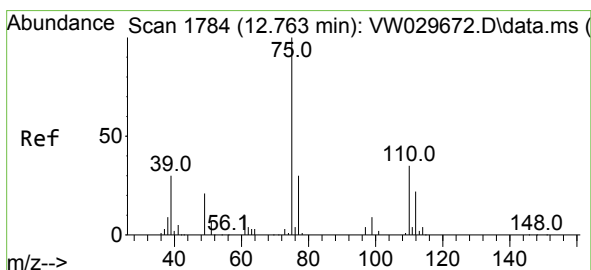
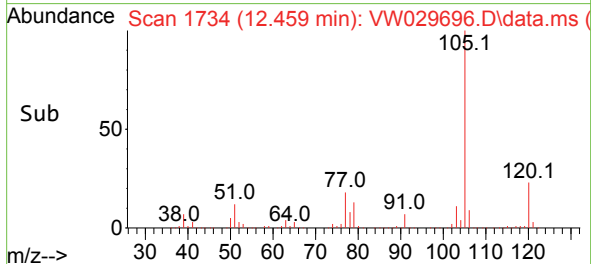
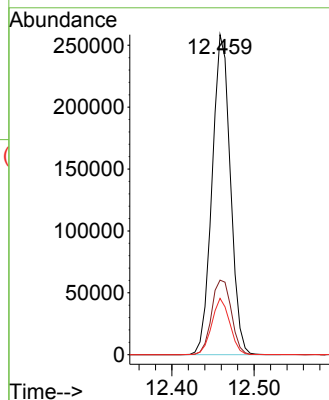
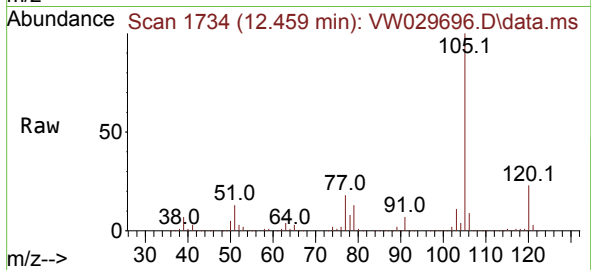
Tgt Ion:105 Resp: 399629

Ion Ratio Lower Upper

105 100

120 25.1 20.2 30.4

77 17.3 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 26.787 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

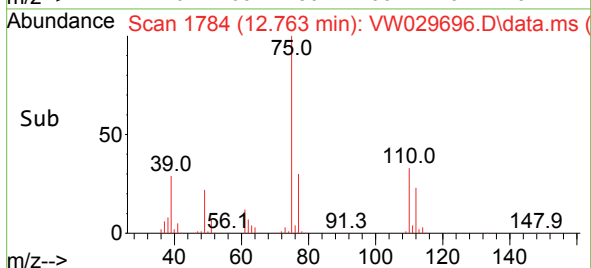
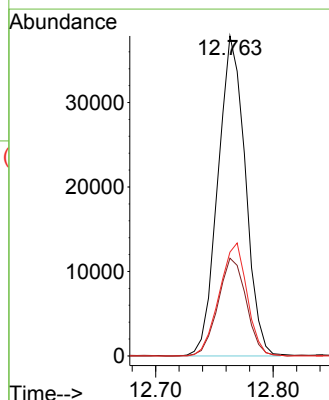
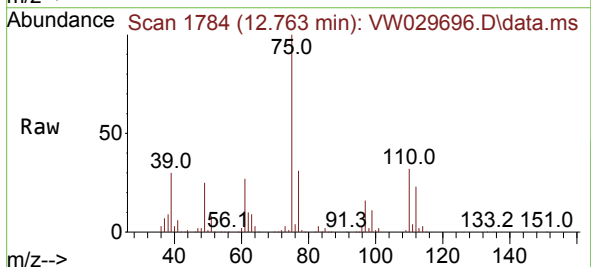
Tgt Ion: 75 Resp: 61412

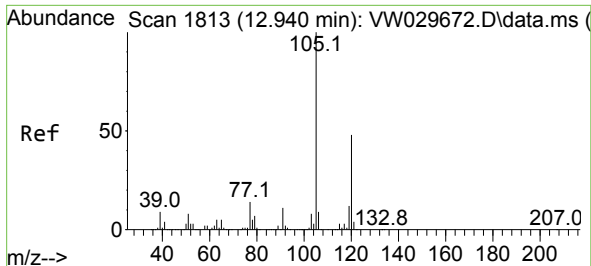
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

110 35.7 29.1 43.7

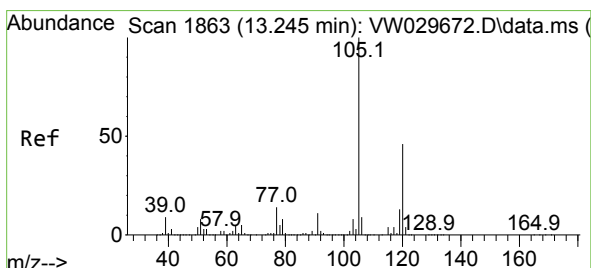
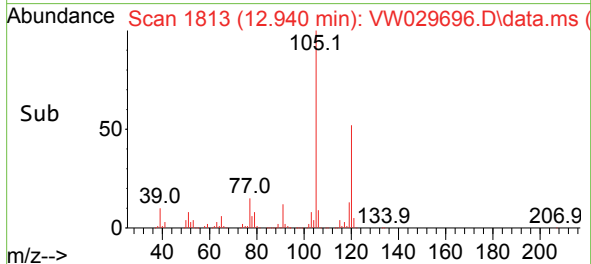
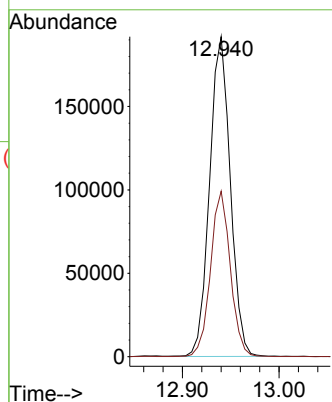
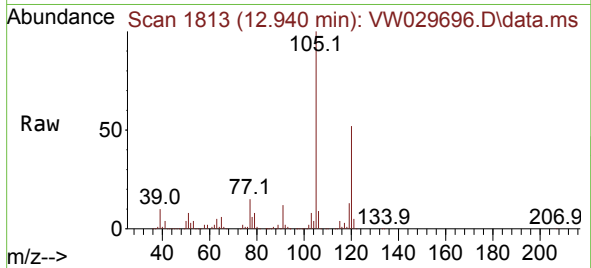




#62  
1,3,5-Trimethylbenzene  
Concen: 30.110 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

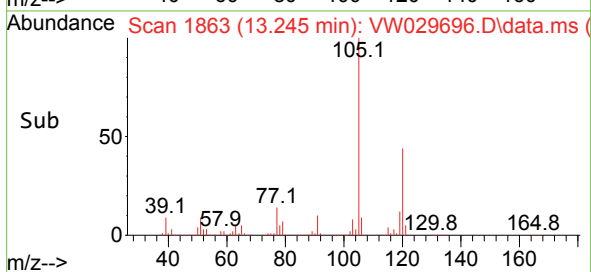
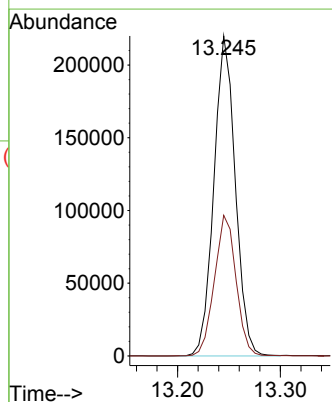
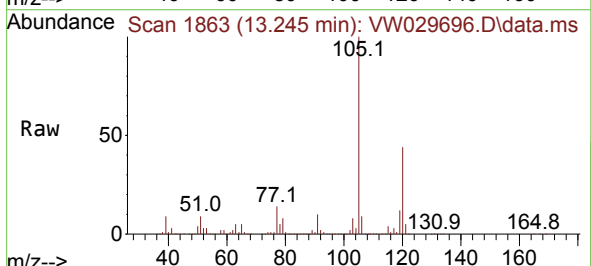
Instrument :  
MSVOA\_W  
ClientSampleId :

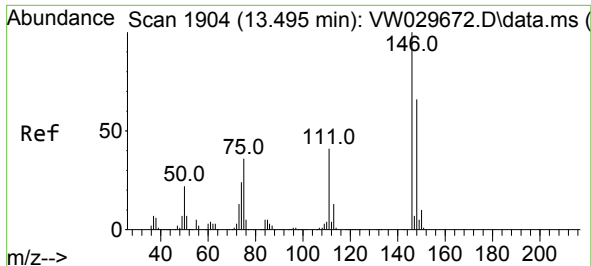
Tgt Ion:105 Resp: 285467  
Ion Ratio Lower Upper  
105 100  
120 49.6 38.4 57.6



#63  
1,2,4-Trimethylbenzene  
Concen: 30.389 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

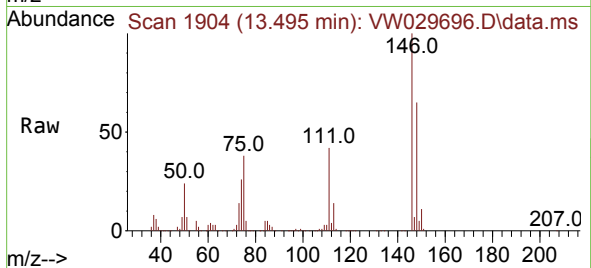
Tgt Ion:105 Resp: 317985  
Ion Ratio Lower Upper  
105 100  
120 44.5 34.7 52.1



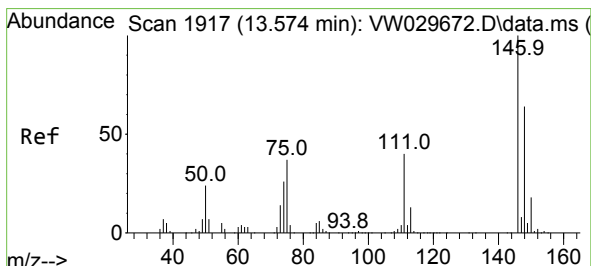
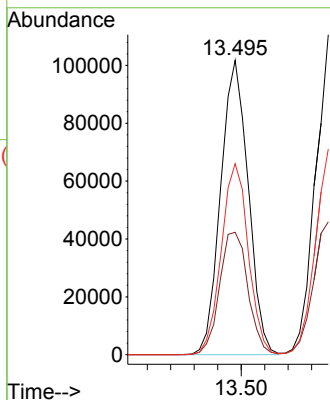
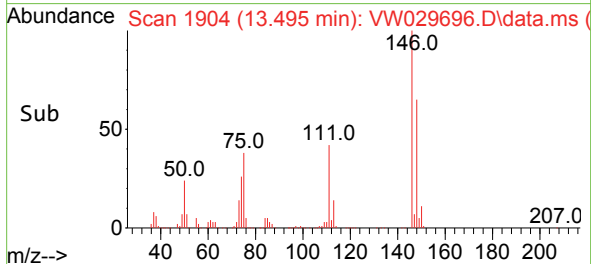


#64  
1,3-Dichlorobenzene  
Concen: 27.782 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :

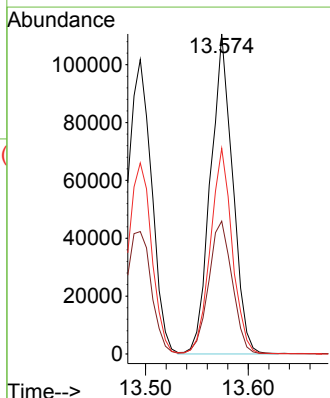
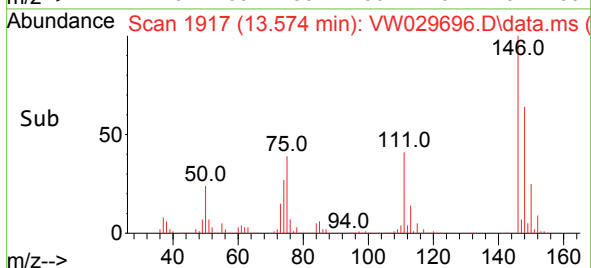
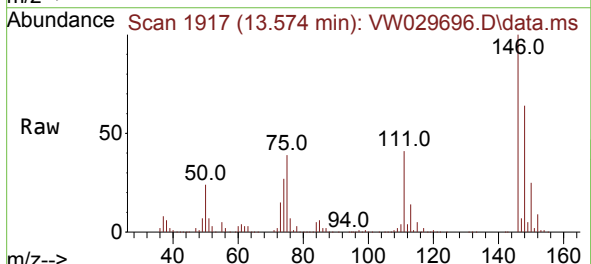


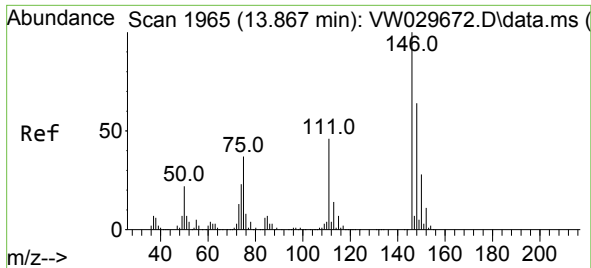
Tgt Ion:146 Resp: 165980  
Ion Ratio Lower Upper  
146 100  
111 41.6 28.6 53.2  
148 64.9 43.0 80.0



#65  
1,4-Dichlorobenzene  
Concen: 27.007 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

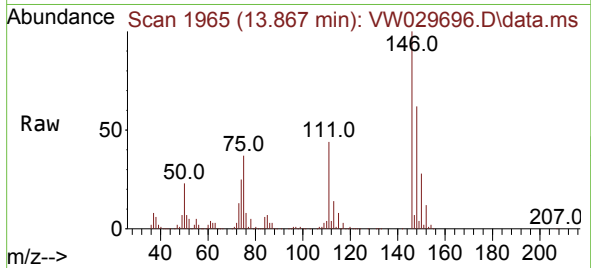
Tgt Ion:146 Resp: 165297  
Ion Ratio Lower Upper  
146 100  
111 41.5 27.6 51.4  
148 64.3 40.9 75.9



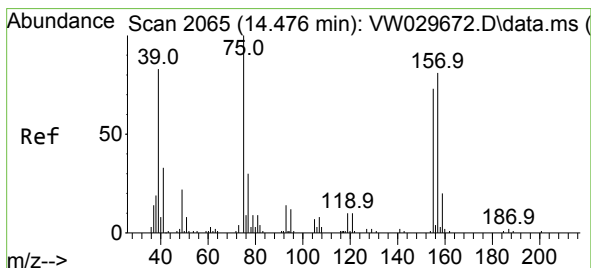
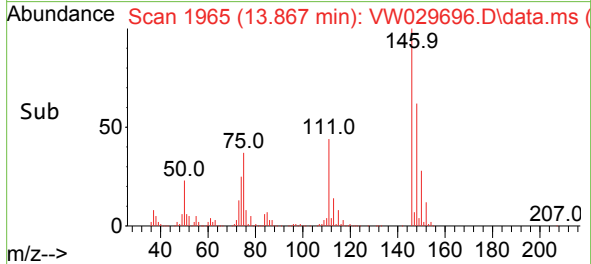
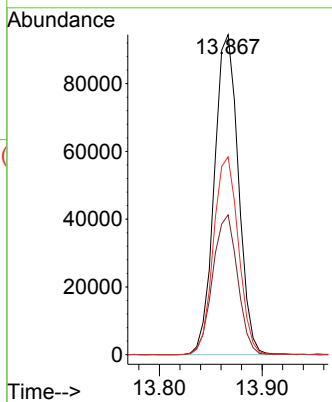


#67  
1,2-Dichlorobenzene  
Concen: 28.451 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :

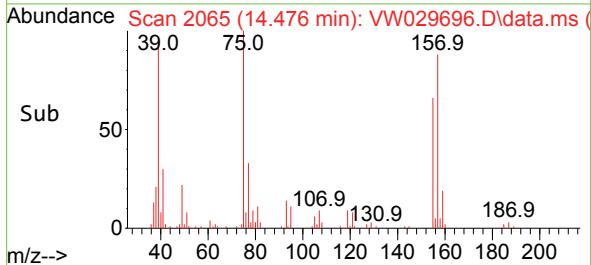
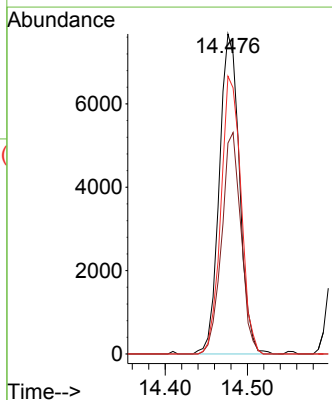
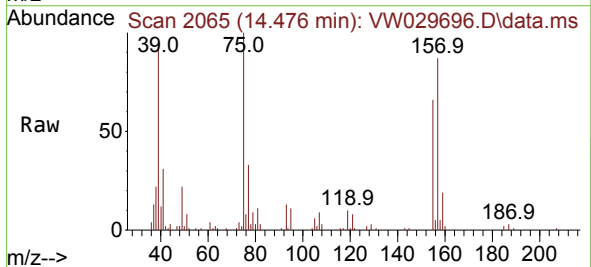


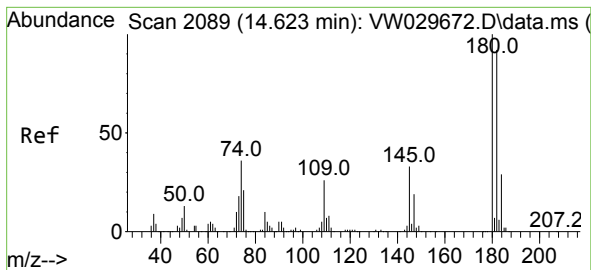
Tgt Ion:146 Resp: 153648  
Ion Ratio Lower Upper  
146 100  
111 43.7 37.1 55.7  
148 61.8 50.7 76.1



#68  
1,2-Dibromo-3-chloropropane  
Concen: 23.838 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion: 75 Resp: 13065  
Ion Ratio Lower Upper  
75 100  
155 65.9 51.2 76.8  
157 86.8 63.7 95.5





#69

1,3,5-Trichlorobenzene

Concen: 27.574 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

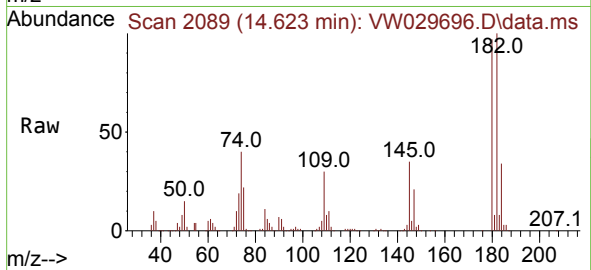
Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 107467

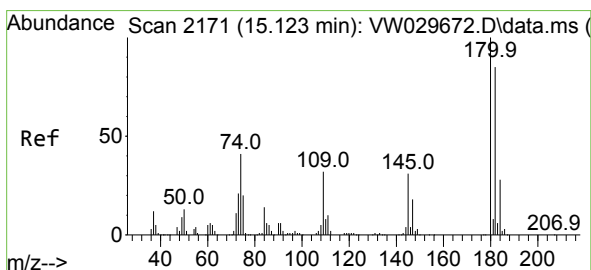
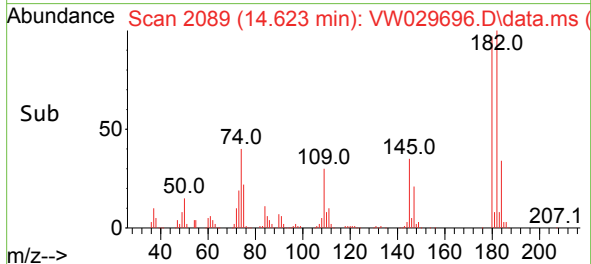
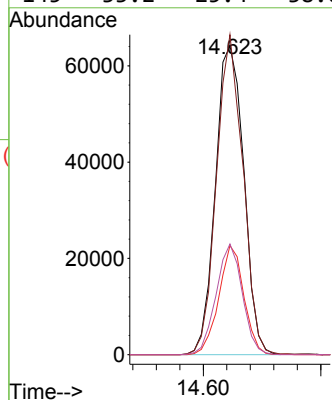
Ion Ratio Lower Upper

180 100

182 96.4 77.9 116.9

184 31.3 24.4 36.6

145 33.2 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 26.353 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW029696.D

Acq: 23 Jul 2024 10:20

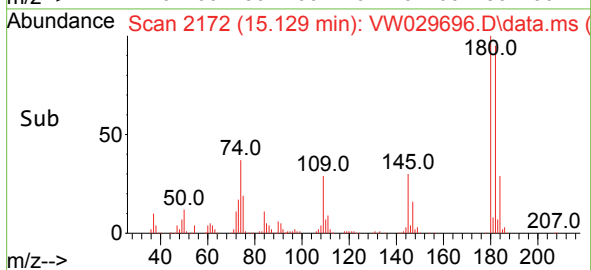
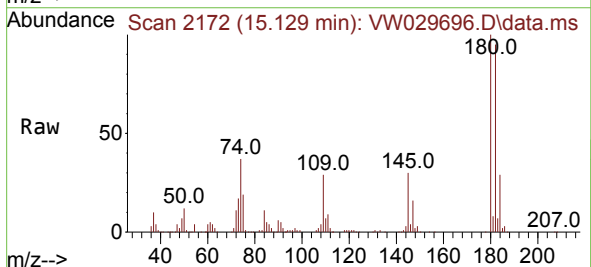
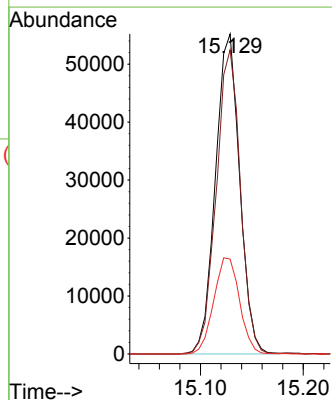
Tgt Ion:180 Resp: 90375

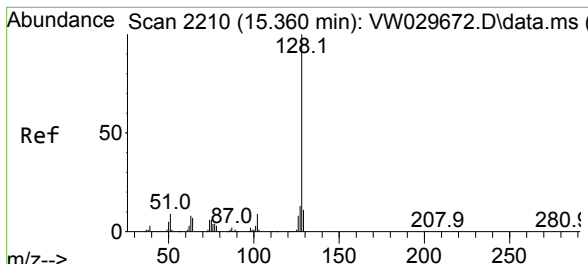
Ion Ratio Lower Upper

180 100

182 94.4 74.7 112.1

145 31.9 26.2 39.2



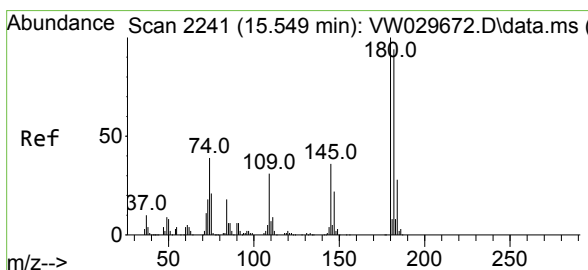
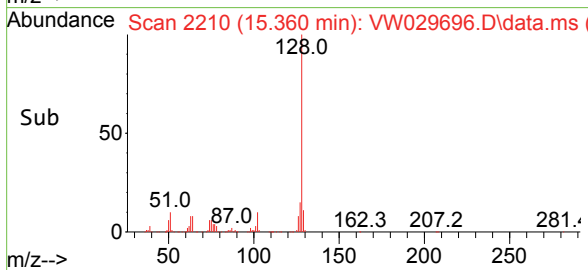
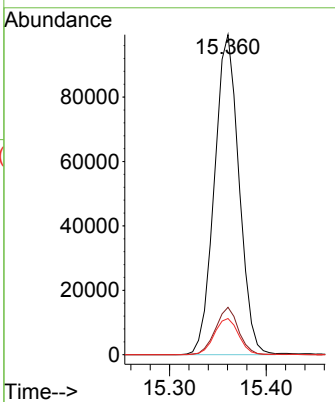
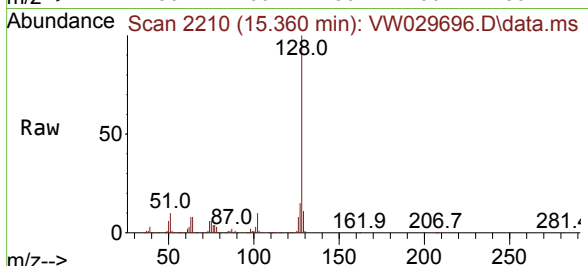


#71  
Naphthalene  
Concen: 24.380 ug/L  
RT: 15.360 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 175485

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.9  | 10.6  | 15.8  |
| 129 | 11.2  | 9.0   | 13.4  |



#72  
1,2,3-Trichlorobenzene  
Concen: 26.433 ug/L  
RT: 15.543 min Scan# 2240  
Delta R.T. -0.006 min  
Lab File: VW029696.D  
Acq: 23 Jul 2024 10:20

Tgt Ion:180 Resp: 82359

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 92.8  | 73.4  | 110.0 |
| 145 | 34.2  | 26.9  | 40.3  |

