

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062824\  
 Data File : VW029412.D  
 Acq On : 28 Jun 2024 20:46  
 Operator : SY/MD  
 Sample : P3088-03MS  
 Misc : 5.20g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4CC5MS

Quant Time: Jun 29 02:16:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 29 02:05:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 406883   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 346740   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 142526   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 88746    | 15.758   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 63.040%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 80009    | 16.823   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 67.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 48172    | 17.716   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 70.880%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 51536    | 30.587   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 61.180%  |
| 24) Chloroform-d              | 7.648  | 84    | 244086   | 20.110   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 80.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 131013   | 18.800   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 75.200%  |
| 32) Benzene-d6                | 8.276  | 84    | 449408   | 21.338   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 85.360%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 149447   | 22.323   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.280%  |
| 41) Toluene-d8                | 10.318 | 98    | 397838   | 21.351   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 85.400%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 50814    | 18.835   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 75.320%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 36536    | 34.813   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 69.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 104993   | 19.705   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 78.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 104293   | 21.081   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.320%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 64135    | 16.156   | ug/L   | 93       |
| 3) Chloromethane              | 2.222  | 50    | 91431    | 16.153   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 113027   | 17.389   | ug/L   | 97       |
| 6) Bromomethane               | 2.789  | 94    | 55258    | 14.144   | ug/L   | 94       |
| 8) Chloroethane               | 2.936  | 64    | 73804    | 18.564   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 113225   | 22.468   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 107930   | 19.425   | ug/L # | 94       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 97910    | 20.767   | ug/L   | 90       |
| 13) Acetone                   | 4.118  | 43    | 36289    | 25.343   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.387  | 76    | 251283   | 16.327   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 39284    | 13.820   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 123040   | 17.198   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 105398   | 20.131   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 179505   | 21.429   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 236312   | 20.898   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 121492   | 21.043   | ug/L   | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 64235    | 32.725   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 51072    | 19.871   | ug/L   | 91       |
| 25) Chloroform                | 7.679  | 83    | 234344   | 21.223   | ug/L   | 99       |

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 ALS Vial : 23 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 A4CC5MS

Quant Time: Jun 29 02:16:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 29 02:05:50 2024  
 Response via : Initial Calibration

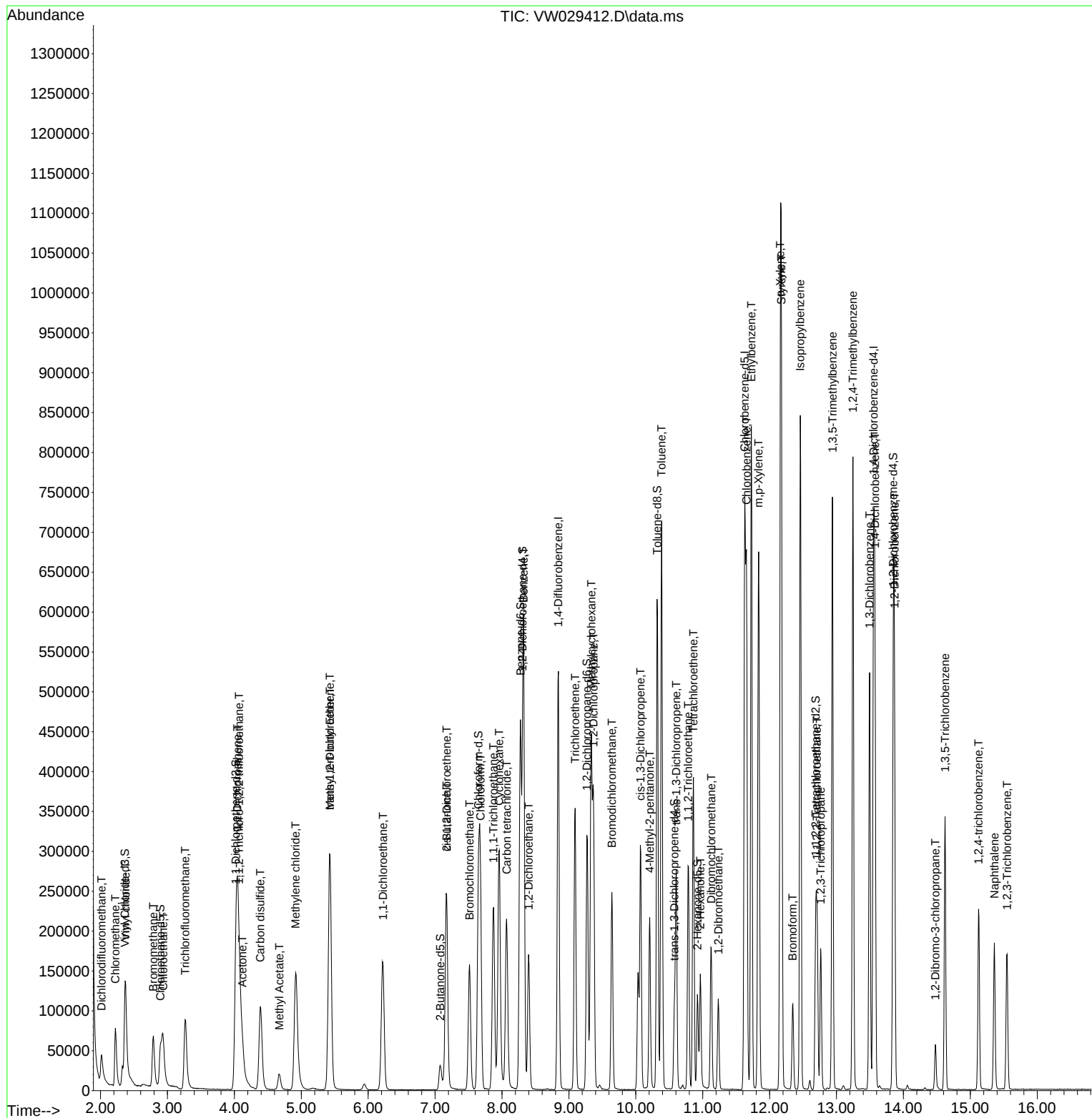
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 155358   | 19.077 | ug/L  | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 172725   | 21.790 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 186065   | 24.132 | ug/L  | 95       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 161202   | 22.887 | ug/L  | 97       |
| 33) Benzene                   | 8.325  | 78   | 483684   | 23.216 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 125946   | 22.659 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 166070   | 18.998 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 135634   | 23.169 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 163171   | 22.796 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 170787   | 20.638 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 145387   | 40.068 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 492638   | 23.001 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 143400   | 20.522 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 87560    | 21.475 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 80666    | 20.761 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 92845    | 36.061 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.129 | 129  | 93505    | 21.939 | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 73948    | 20.204 | ug/L  | 91       |
| 51) Chlorobenzene             | 11.654 | 112  | 305145   | 21.940 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 558224   | 22.961 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 203007   | 22.860 | ug/L  | 97       |
| 54) o-Xylene                  | 12.160 | 106  | 193877   | 23.360 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 313051   | 21.633 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 98707    | 19.571 | ug/L  | 93       |
| 59) Bromoform                 | 12.342 | 173  | 46674    | 23.894 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.458 | 105  | 517637   | 27.257 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 72294    | 23.255 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 369397   | 26.858 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 393369   | 26.582 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 198375   | 24.138 | ug/L  | 93       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 192272   | 21.989 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 166960   | 21.975 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 14882    | 20.514 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 92747    | 16.721 | ug/L  | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.122 | 180  | 67405    | 14.991 | ug/L  | 97       |
| 71) Naphthalene               | 15.360 | 128  | 143965   | 16.223 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 53730    | 13.115 | ug/L  | 96       |

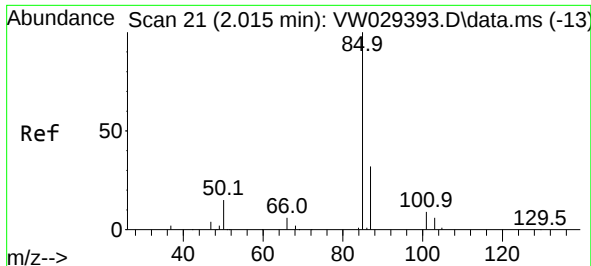
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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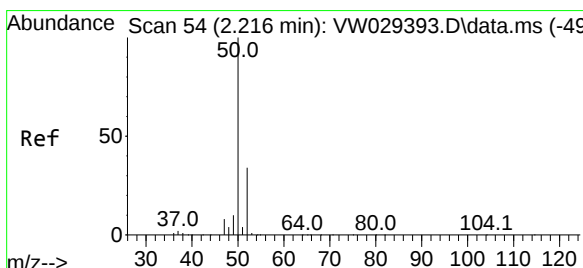
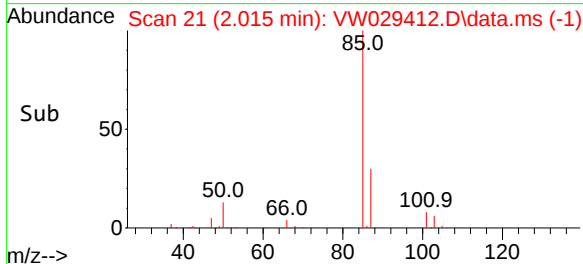
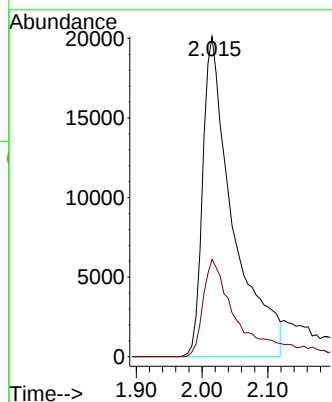
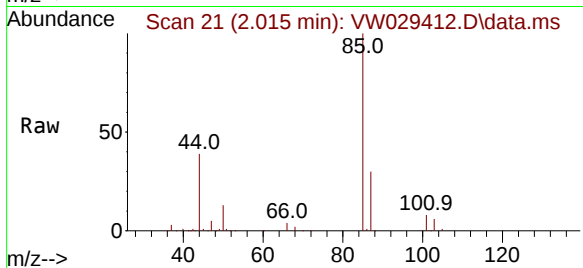




#2  
Dichlorodifluoromethane  
Concen: 16.156 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

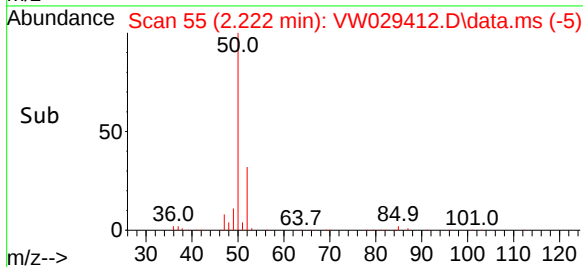
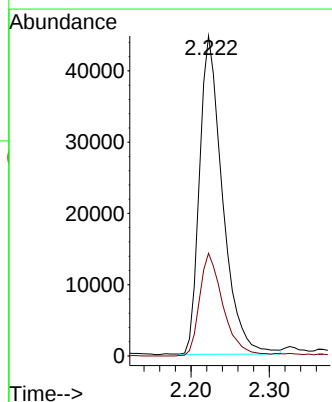
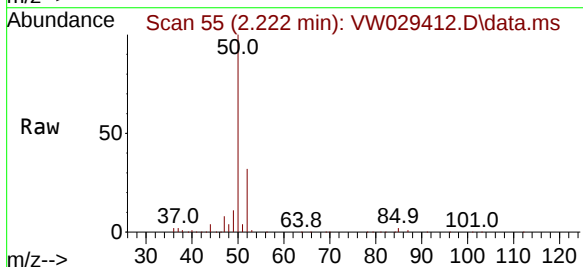
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

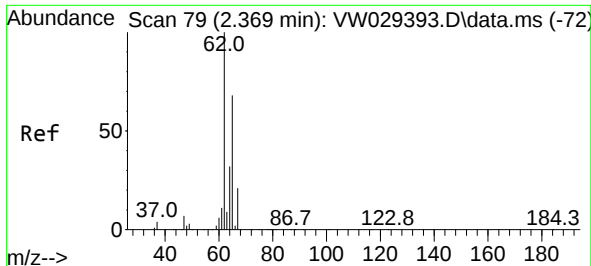
Tgt Ion: 85 Resp: 64135  
Ion Ratio Lower Upper  
85 100  
87 26.0 23.8 35.6



#3  
Chloromethane  
Concen: 16.153 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. 0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 50 Resp: 91431  
Ion Ratio Lower Upper  
50 100  
52 32.1 22.3 41.5

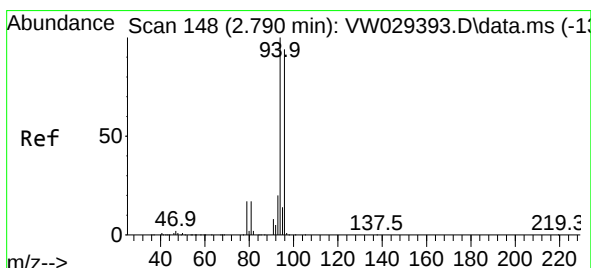
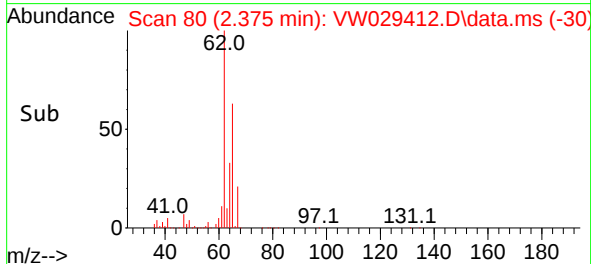
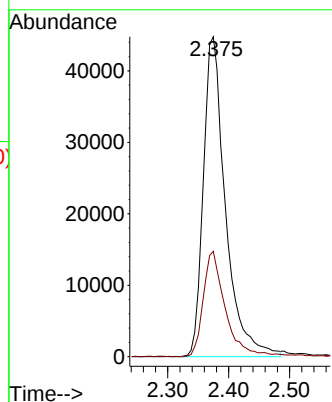
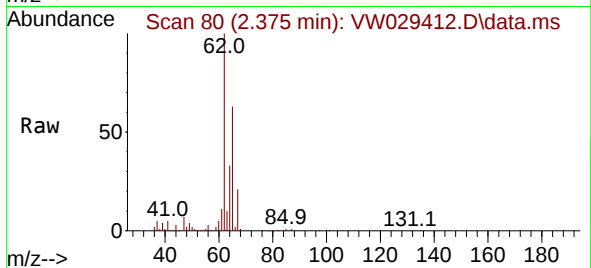




#5  
 Vinyl chloride  
 Concen: 17.389 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VW029412.D  
 Acq: 28 Jun 2024 20:46

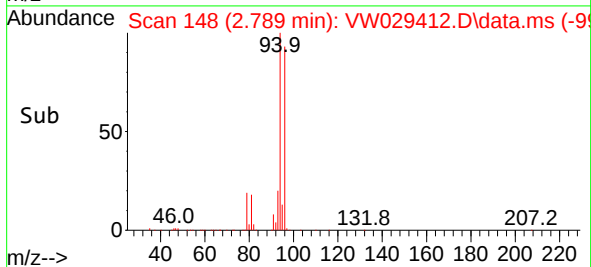
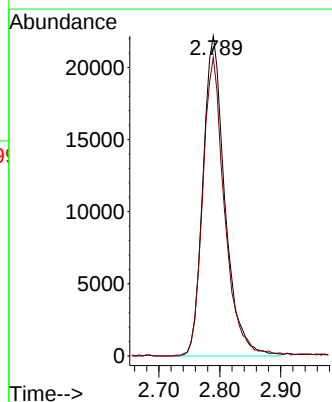
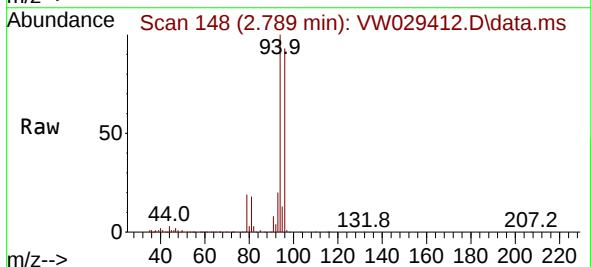
Instrument :  
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 A4CC5MS

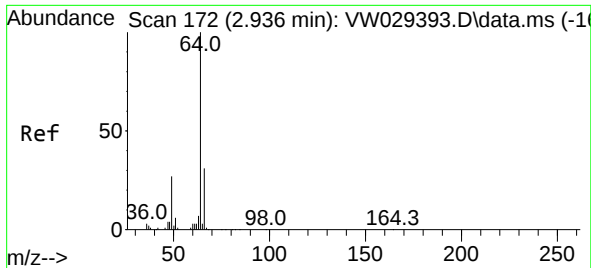
Tgt Ion: 62 Resp: 113027  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 22.0 40.8



#6  
 Bromomethane  
 Concen: 14.144 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW029412.D  
 Acq: 28 Jun 2024 20:46

Tgt Ion: 94 Resp: 55258  
 Ion Ratio Lower Upper  
 94 100  
 96 93.3 69.5 129.1

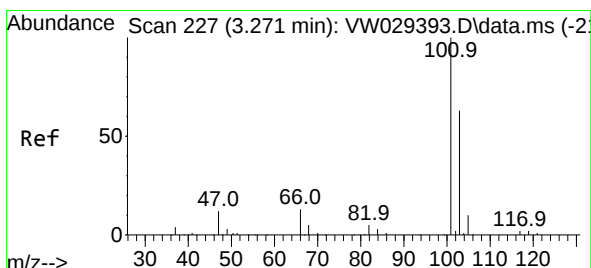
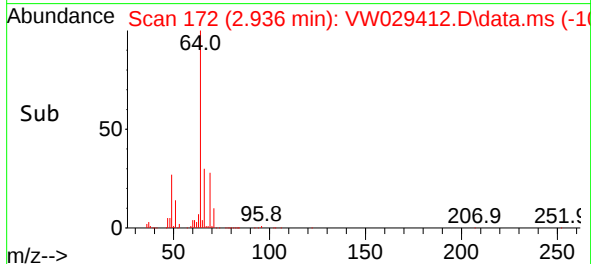
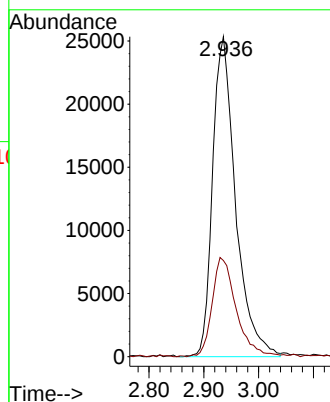
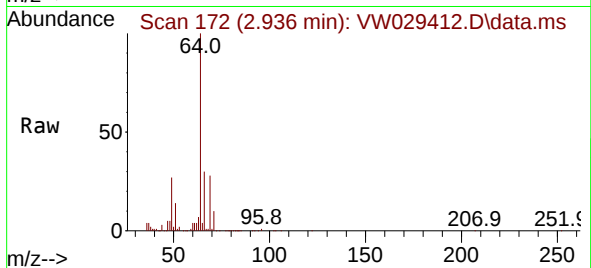




#8  
Chloroethane  
Concen: 18.564 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

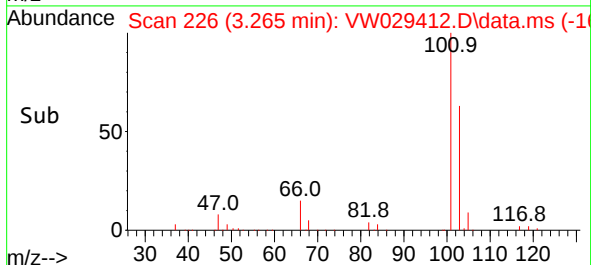
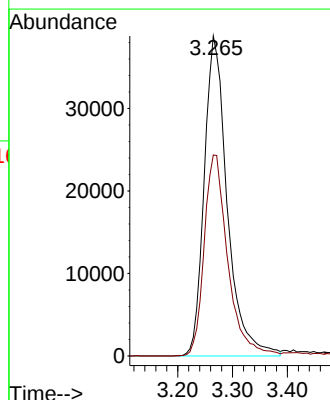
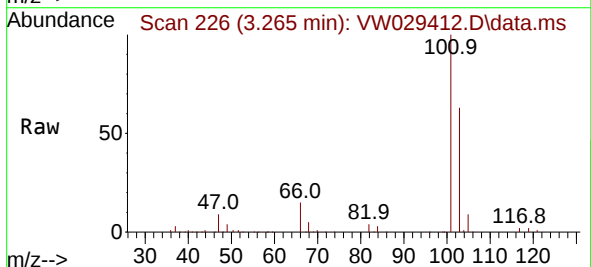
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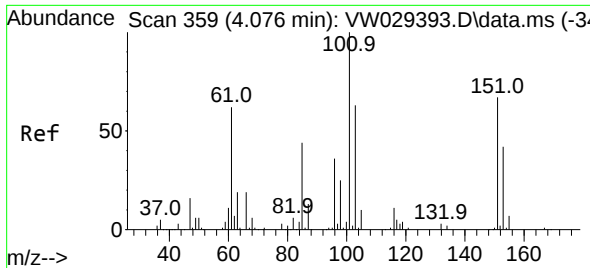
Tgt Ion: 64 Resp: 73804  
Ion Ratio Lower Upper  
64 100  
66 30.1 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 22.468 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion:101 Resp: 113225  
Ion Ratio Lower Upper  
101 100  
103 63.8 50.8 76.2

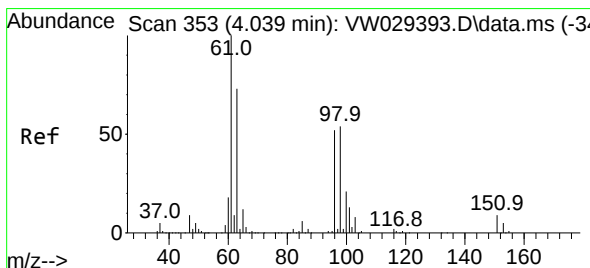
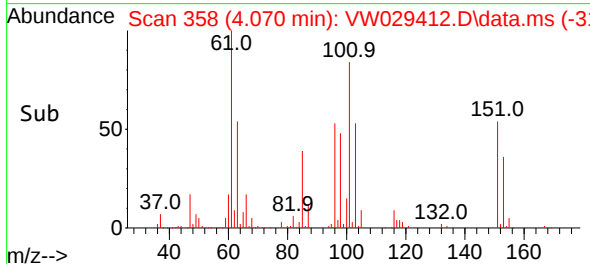
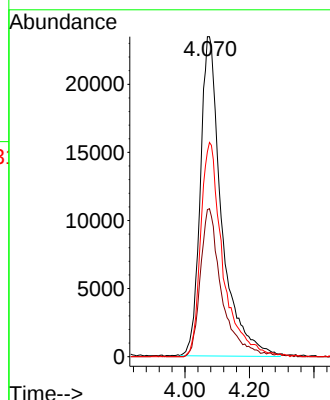
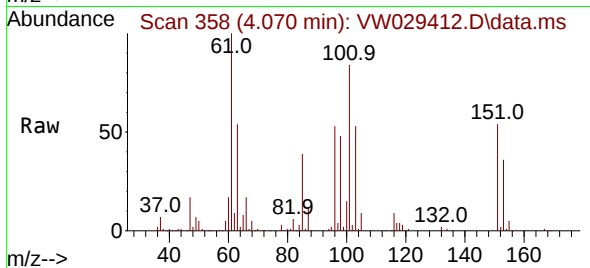




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 19.425 ug/L  
 RT: 4.070 min Scan# 359  
 Delta R.T. -0.006 min  
 Lab File: VW029412.D  
 Acq: 28 Jun 2024 20:46

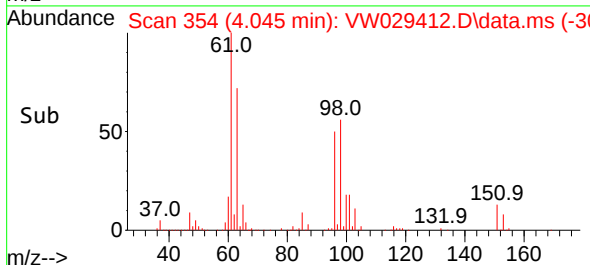
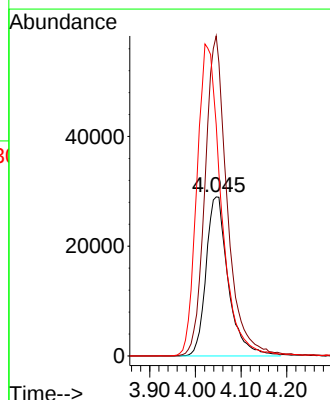
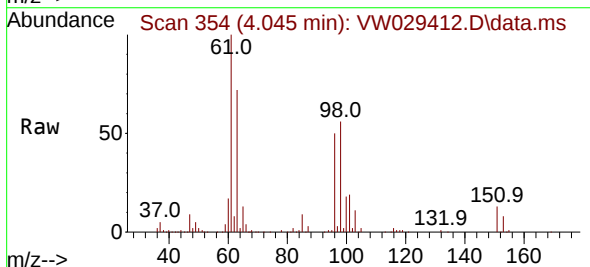
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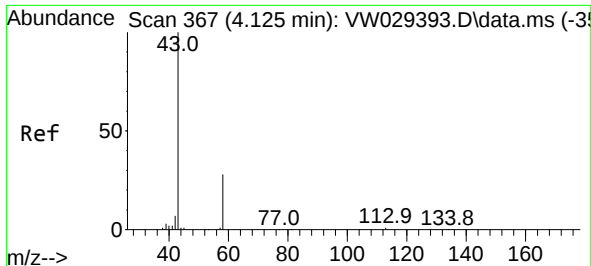
Tgt Ion:101 Resp: 107930  
 Ion Ratio Lower Upper  
 101 100  
 85 45.7 30.2 45.2#  
 151 67.1 52.2 78.4



#12  
 1,1-Dichloroethene  
 Concen: 20.767 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.006 min  
 Lab File: VW029412.D  
 Acq: 28 Jun 2024 20:46

Tgt Ion: 96 Resp: 97910  
 Ion Ratio Lower Upper  
 96 100  
 61 201.1 140.1 260.3  
 63 145.5 122.0 226.6

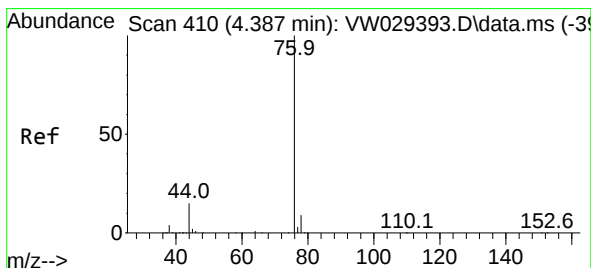
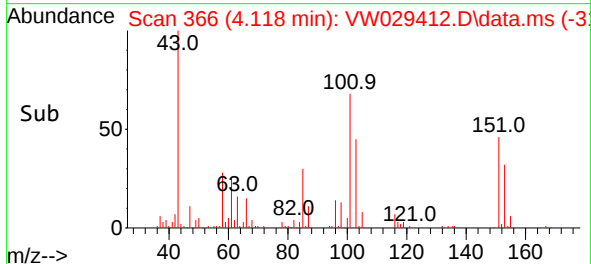
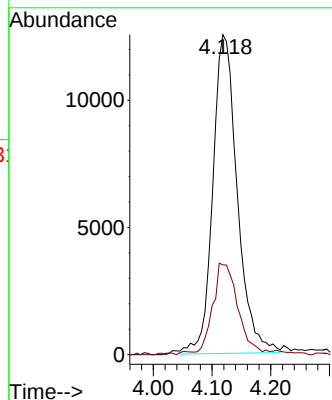
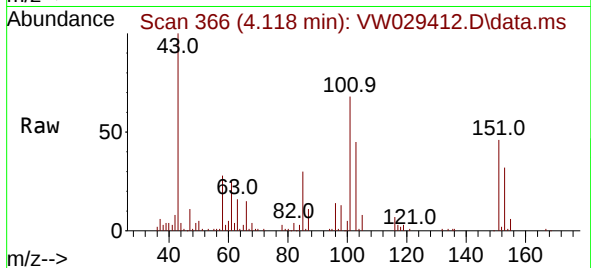




#13  
Acetone  
Concen: 25.343 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

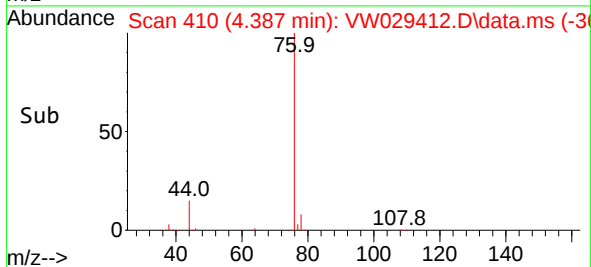
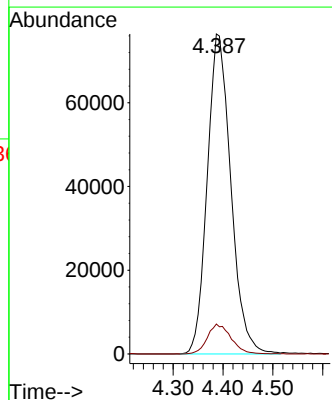
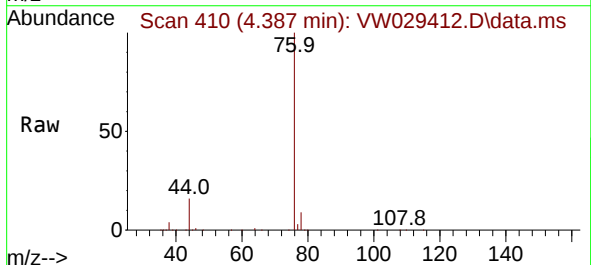
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

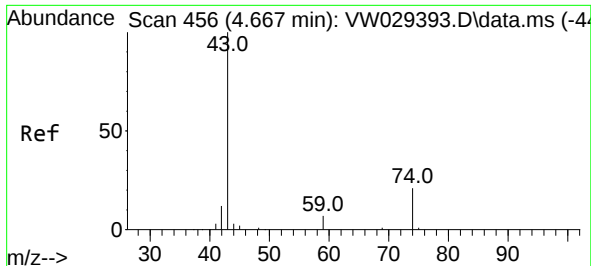
Tgt Ion: 43 Resp: 36289  
Ion Ratio Lower Upper  
43 100  
58 29.2 0.0 61.4



#14  
Carbon disulfide  
Concen: 16.327 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 76 Resp: 251283  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.2 10.8

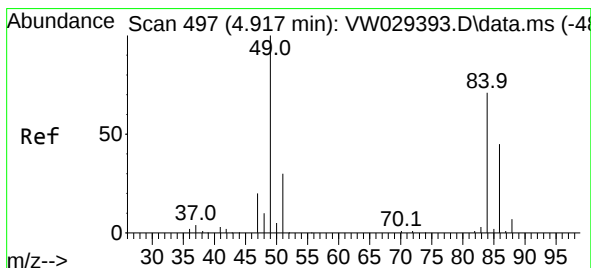
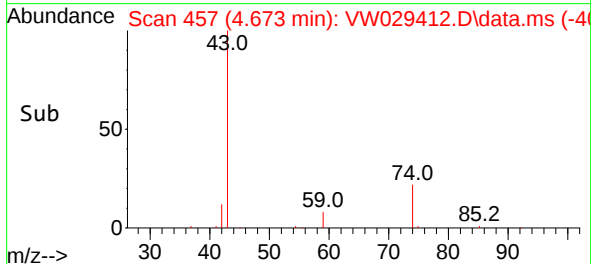
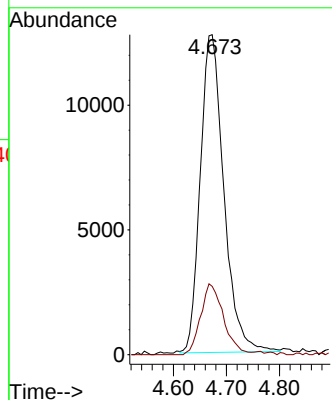
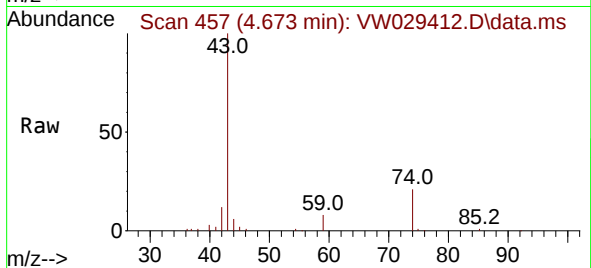




#15  
Methyl Acetate  
Concen: 13.820 ug/L  
RT: 4.673 min Scan# 456  
Delta R.T. 0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

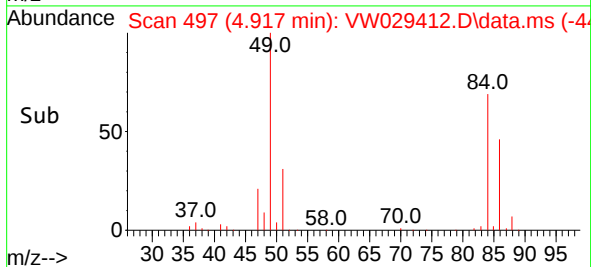
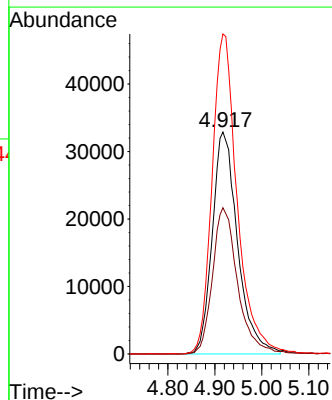
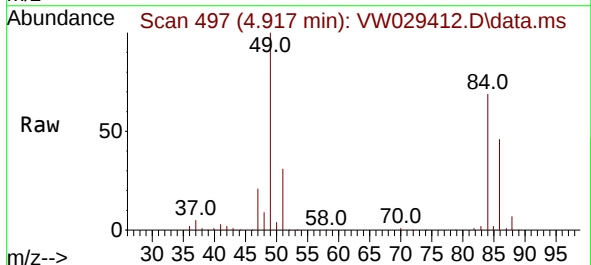
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

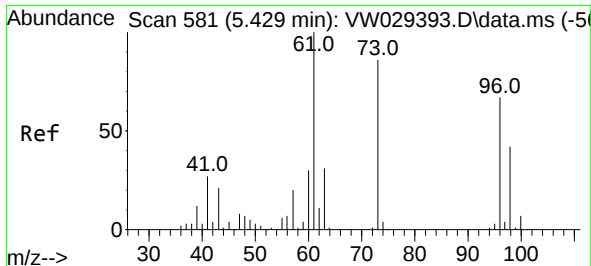
Tgt Ion: 43 Resp: 39284  
Ion Ratio Lower Upper  
43 100  
74 21.6 16.6 25.0



#16  
Methylene chloride  
Concen: 17.198 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 84 Resp: 123040  
Ion Ratio Lower Upper  
84 100  
86 65.9 41.4 77.0  
49 144.2 95.7 177.7

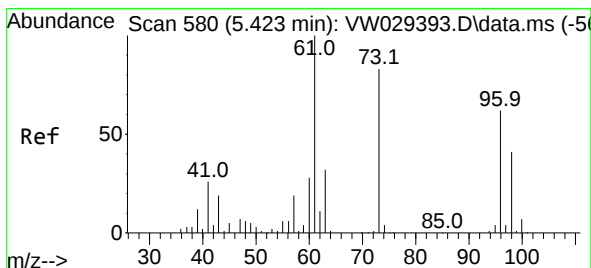
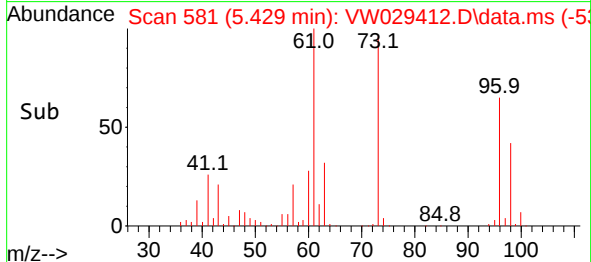
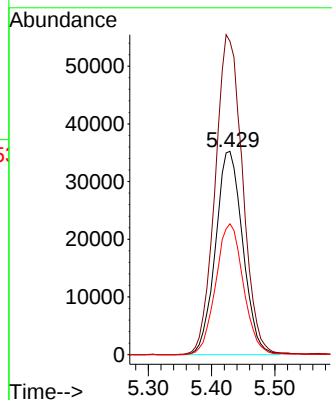
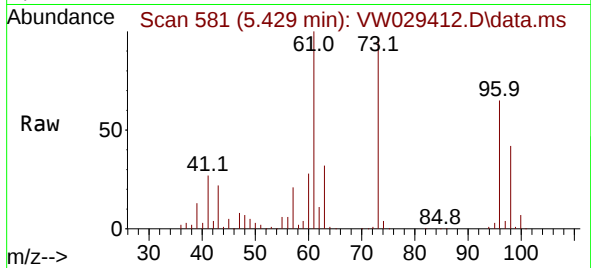




#17  
trans-1,2-Dichloroethene  
Concen: 20.131 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

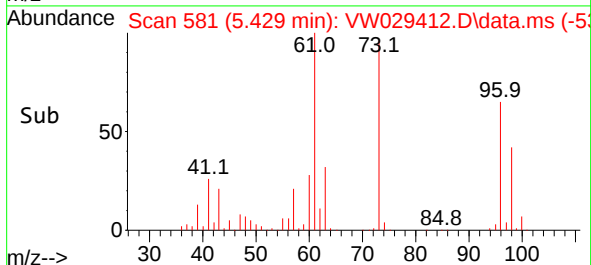
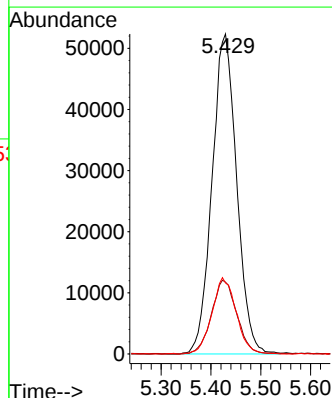
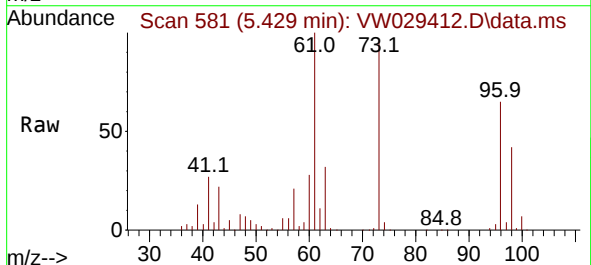
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

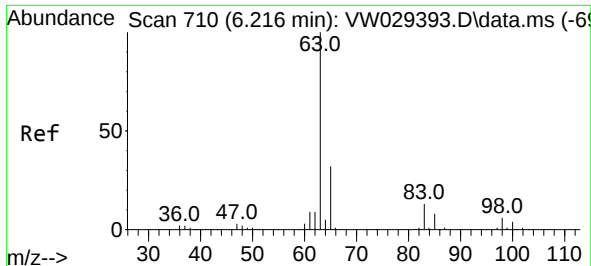
Tgt Ion: 96 Resp: 105398  
Ion Ratio Lower Upper  
96 100  
61 154.2 101.5 188.5  
98 64.3 43.3 80.3



#18  
Methyl tert-butyl Ether  
Concen: 21.429 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 73 Resp: 179505  
Ion Ratio Lower Upper  
73 100  
43 23.6 19.5 29.3  
57 23.5 18.4 27.6





#19

1,1-Dichloroethane

Concen: 20.898 ug/L

RT: 6.222 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

A4CC5MS

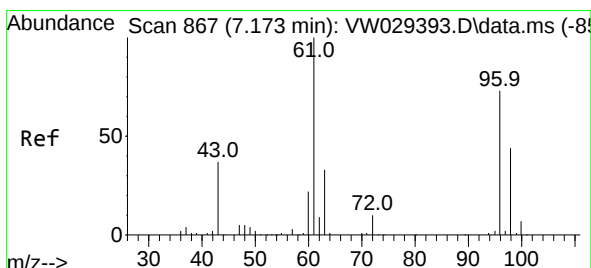
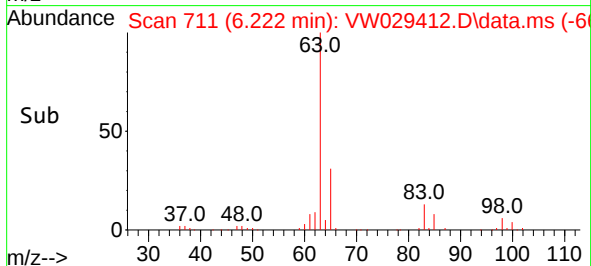
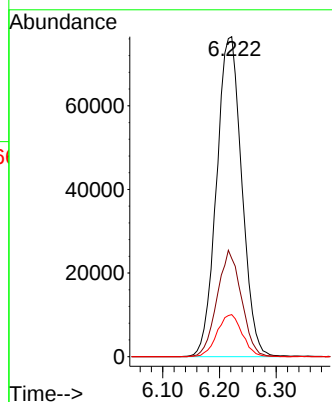
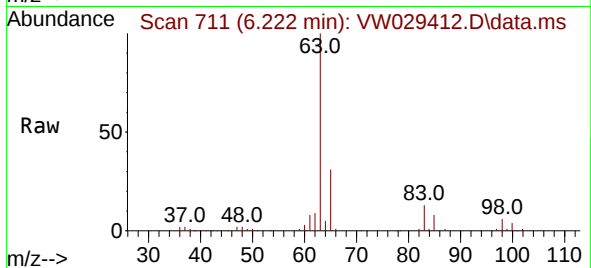
Tgt Ion: 63 Resp: 236312

Ion Ratio Lower Upper

63 100

65 30.7 23.4 43.4

83 13.2 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 21.043 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

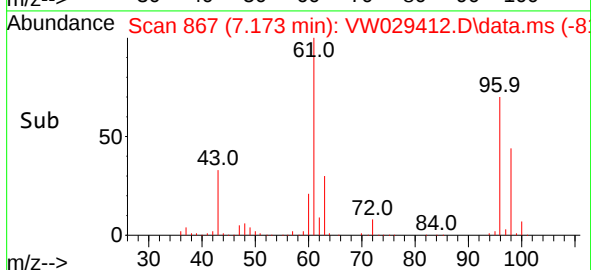
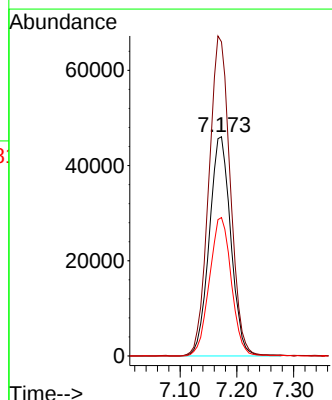
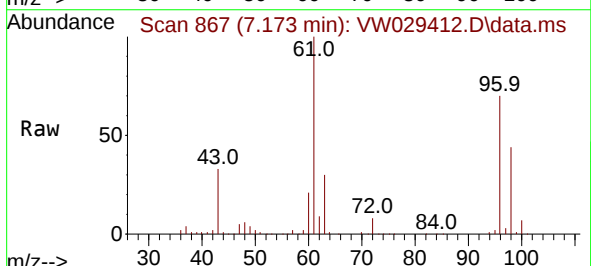
Tgt Ion: 96 Resp: 121492

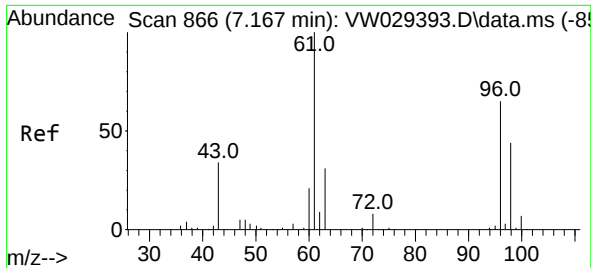
Ion Ratio Lower Upper

96 100

61 143.3 97.8 181.6

98 63.2 43.0 79.8

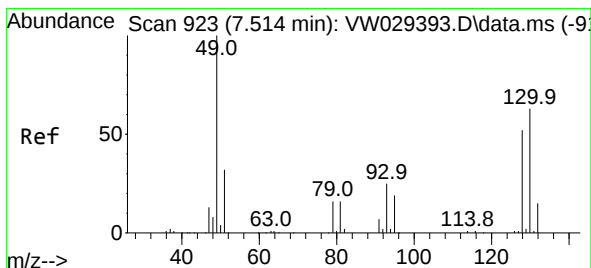
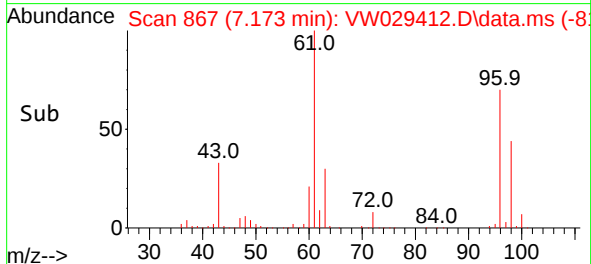
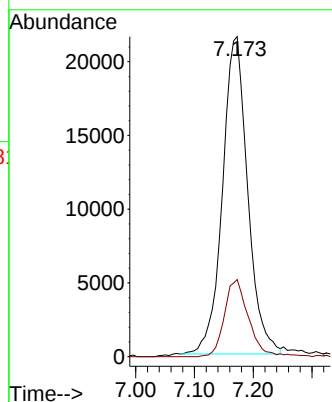
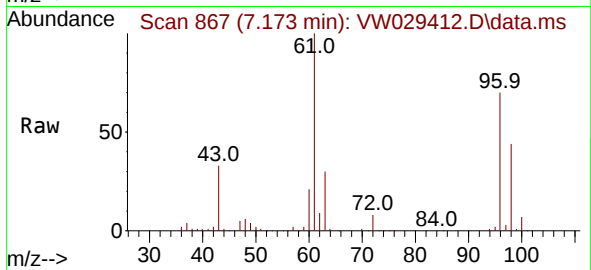




#22  
2-Butanone  
Concen: 32.725 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

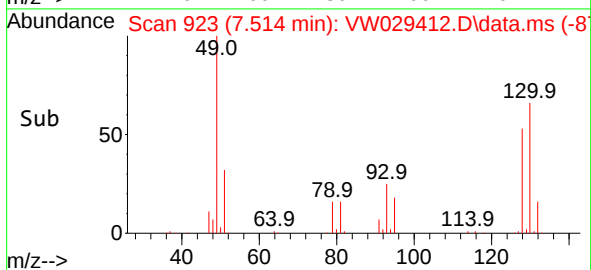
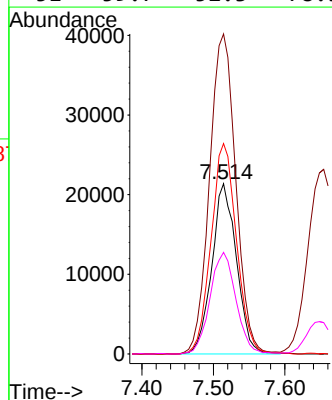
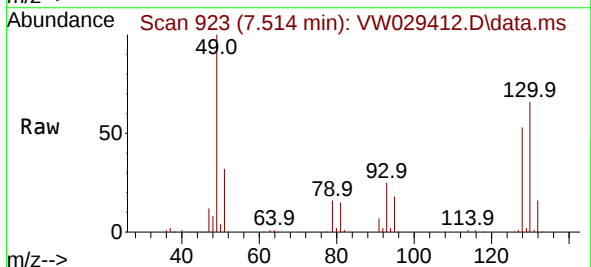
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

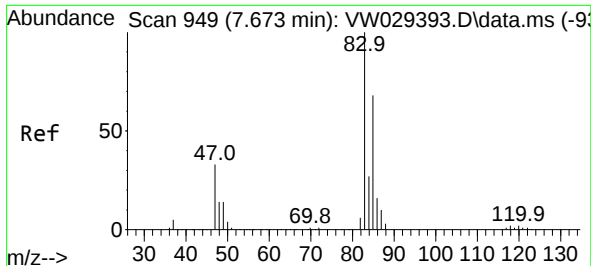
Tgt Ion: 43 Resp: 64235  
Ion Ratio Lower Upper  
43 100  
72 22.7 11.9 35.7



#23  
Bromochloromethane  
Concen: 19.871 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 128 Resp: 51072  
Ion Ratio Lower Upper  
128 100  
49 188.0 142.6 264.8  
130 123.6 79.7 148.1  
51 59.7 52.3 78.5

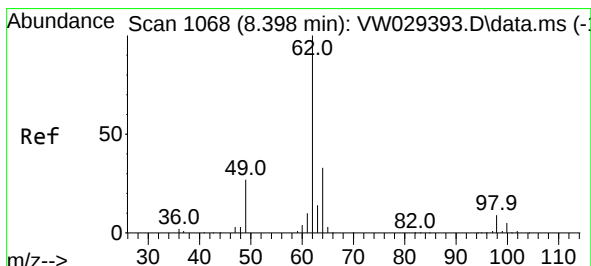
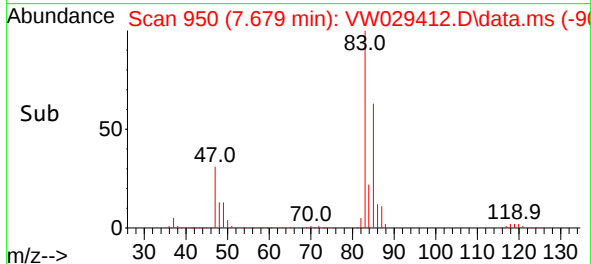
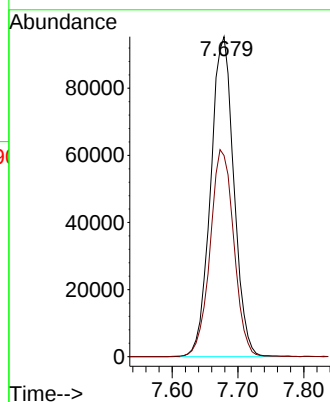
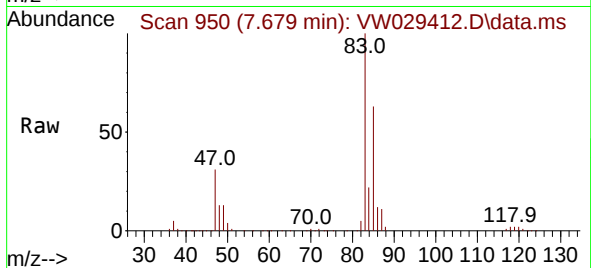




#25  
Chloroform  
Concen: 21.223 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

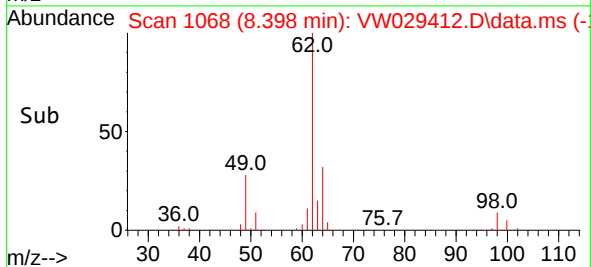
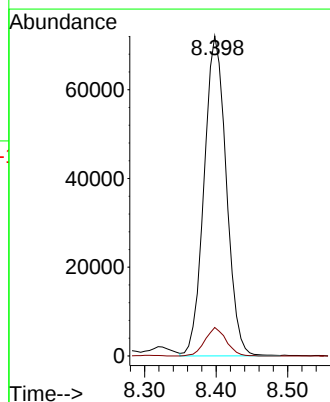
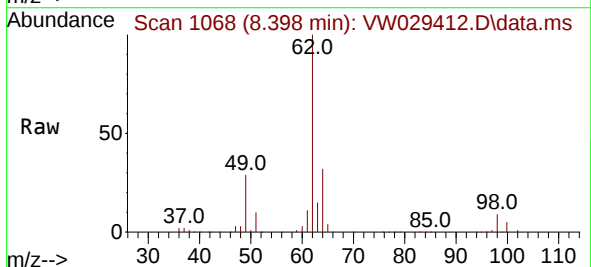
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

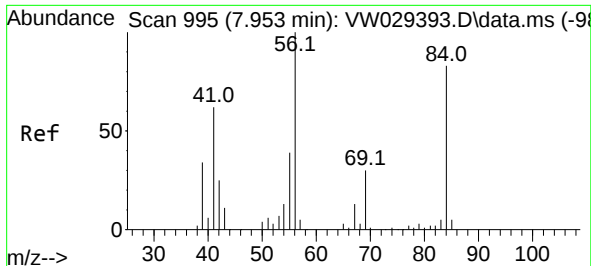
Tgt Ion: 83 Resp: 234344  
Ion Ratio Lower Upper  
83 100  
85 62.9 44.4 82.4



#27  
1,2-Dichloroethane  
Concen: 19.077 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 62 Resp: 155358  
Ion Ratio Lower Upper  
62 100  
98 8.9 6.6 10.0

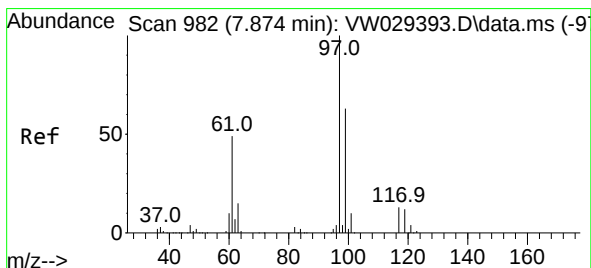
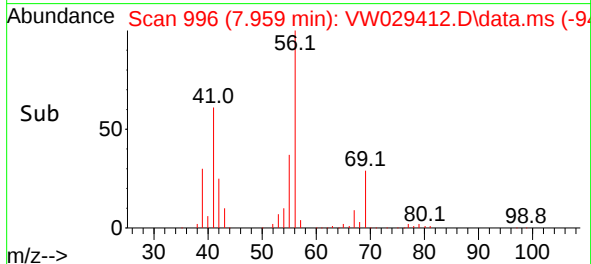
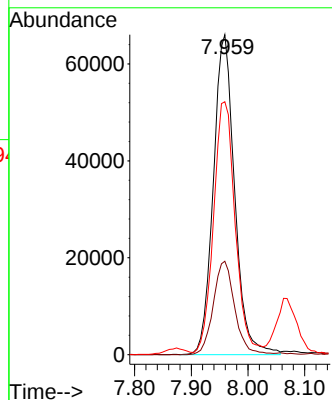
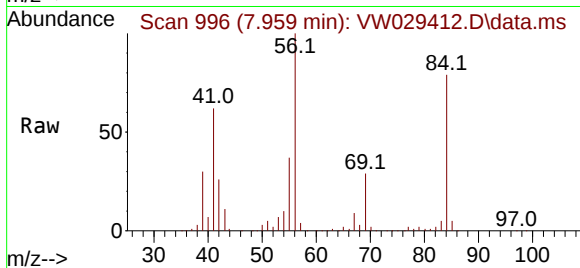




#29  
Cyclohexane  
Concen: 21.790 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

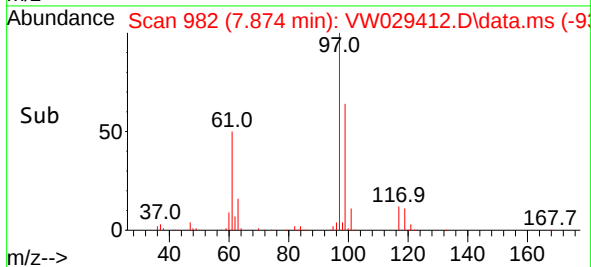
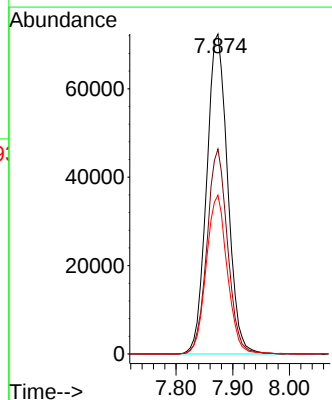
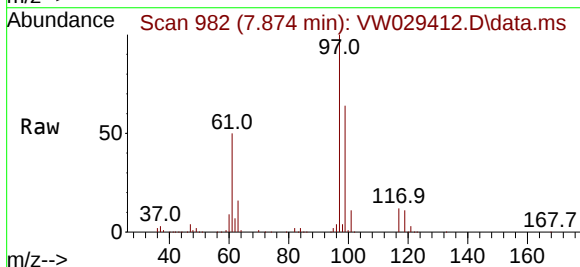
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

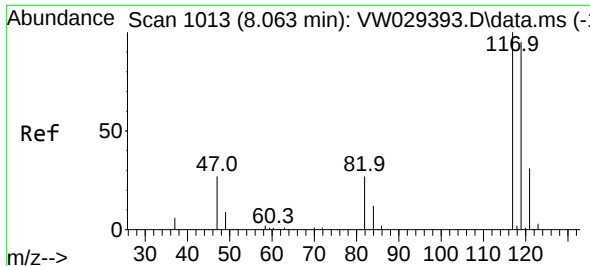
Tgt Ion: 56 Resp: 172725  
Ion Ratio Lower Upper  
56 100  
69 29.3 23.4 35.0  
84 80.5 64.5 96.7



#30  
1,1,1-Trichloroethane  
Concen: 24.132 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 97 Resp: 186065  
Ion Ratio Lower Upper  
97 100  
99 62.8 53.0 79.4  
61 49.9 43.0 64.4

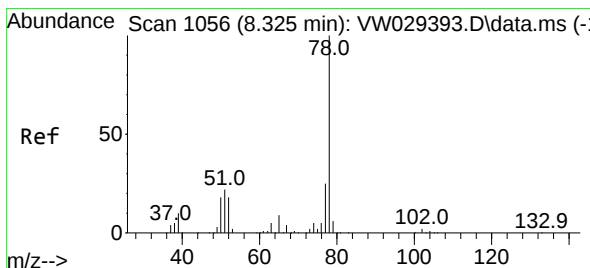
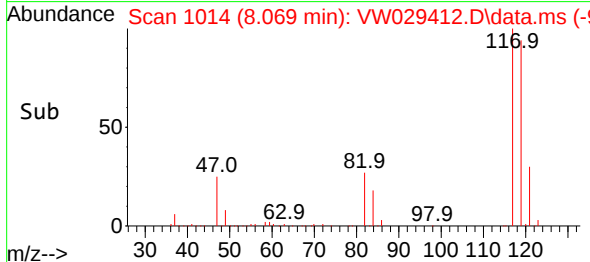
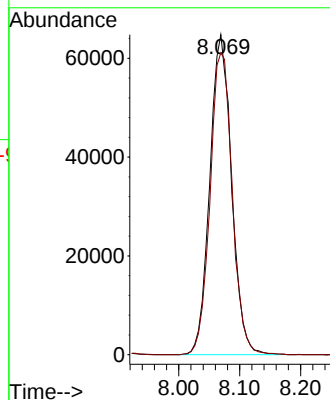
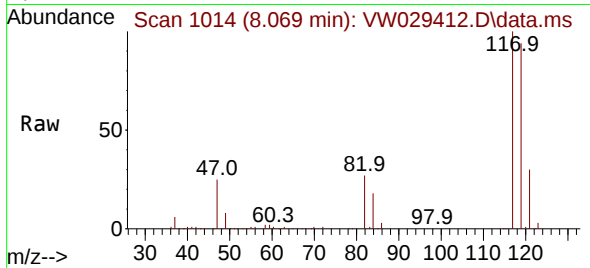




#31  
Carbon tetrachloride  
Concen: 22.887 ug/L  
RT: 8.069 min Scan# 1013  
Delta R.T. 0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

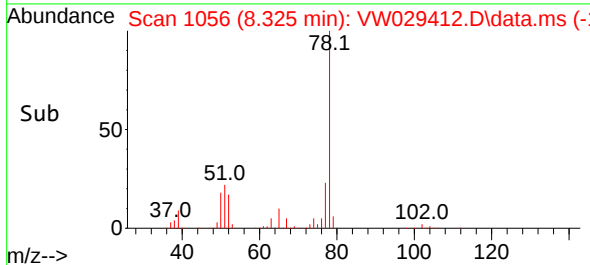
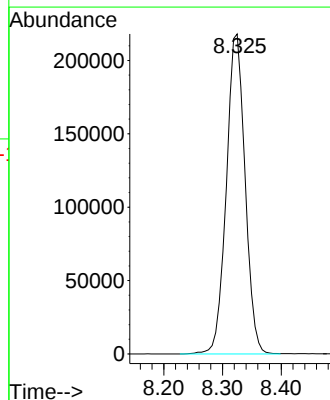
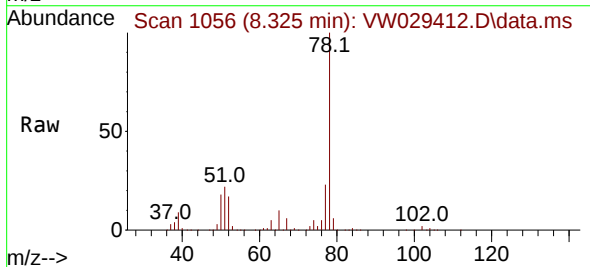
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

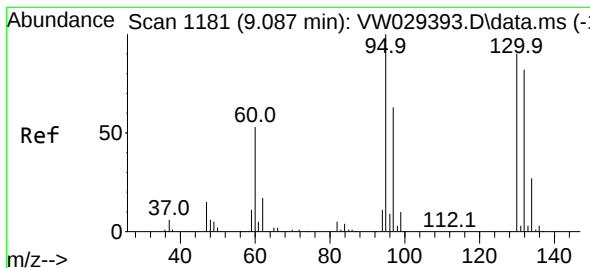
Tgt Ion:117 Resp: 161202  
Ion Ratio Lower Upper  
117 100  
119 95.8 79.0 118.4



#33  
Benzene  
Concen: 23.216 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 78 Resp: 483684





#34

Trichloroethene

Concen: 22.659 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

A4CC5MS

Tgt Ion: 95 Resp: 125946

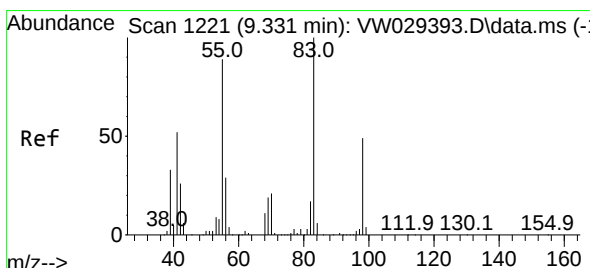
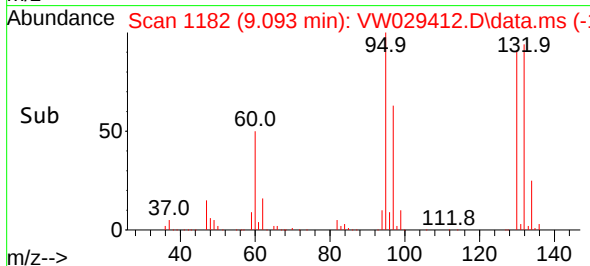
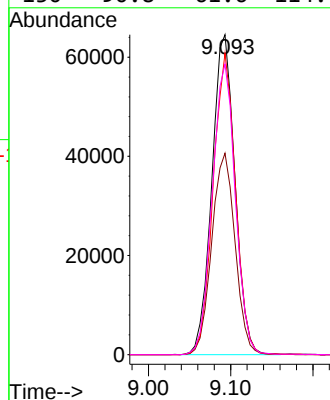
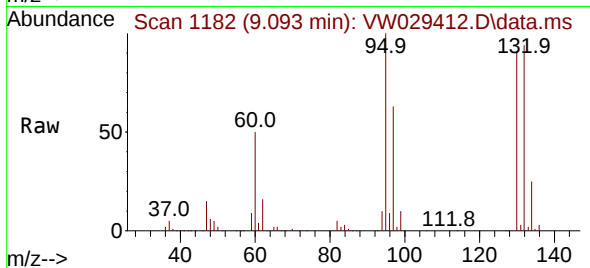
Ion Ratio Lower Upper

95 100

97 63.0 45.7 84.9

132 94.1 66.4 123.4

130 90.8 61.6 114.4



#35

Methylcyclohexane

Concen: 18.998 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

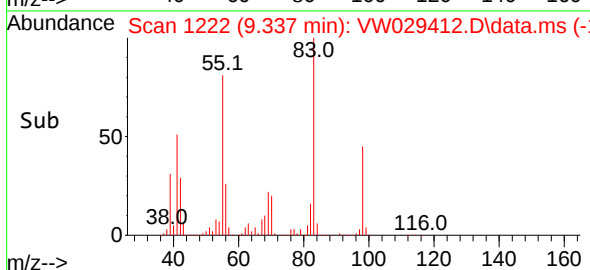
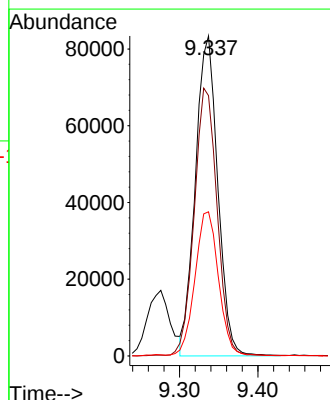
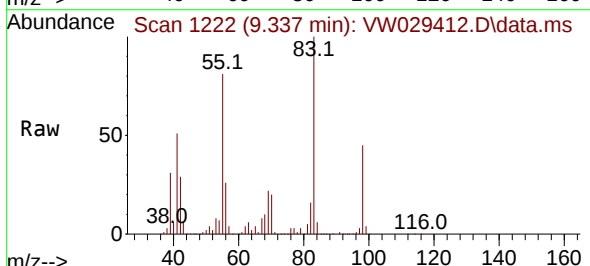
Tgt Ion: 83 Resp: 166070

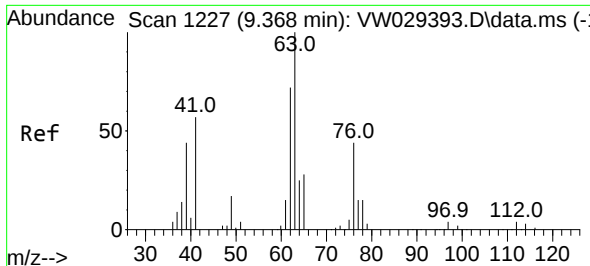
Ion Ratio Lower Upper

83 100

55 85.6 69.5 104.3

98 46.7 38.0 57.0





#37

1,2-Dichloropropane

Concen: 23.169 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

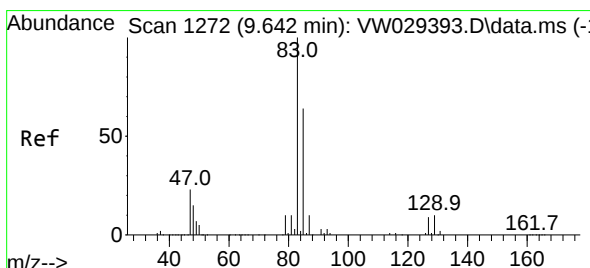
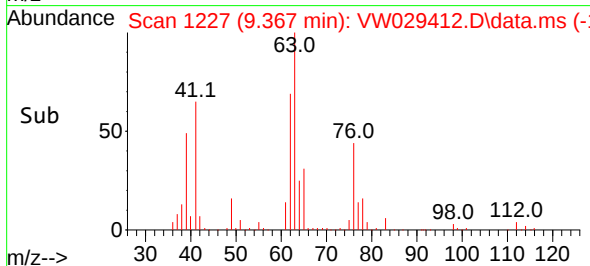
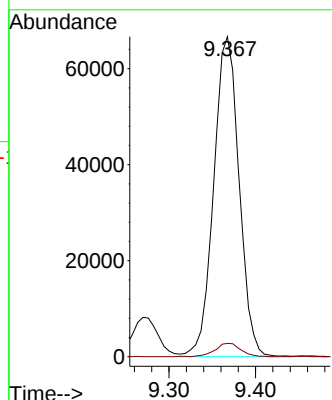
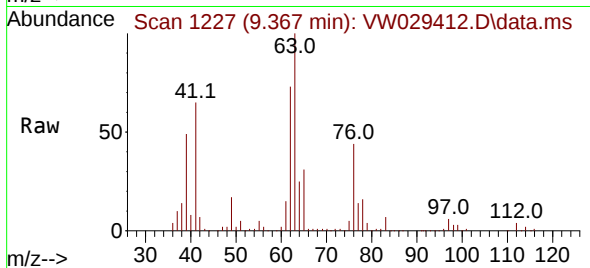
A4CC5MS

Tgt Ion: 63 Resp: 135634

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.6



#38

Bromodichloromethane

Concen: 22.796 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

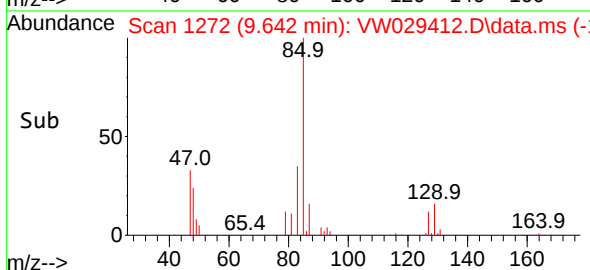
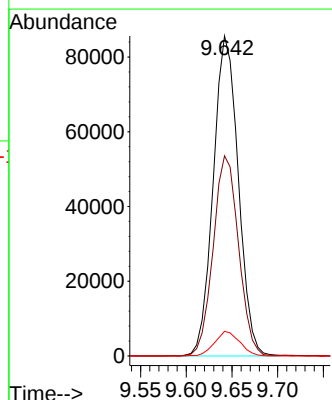
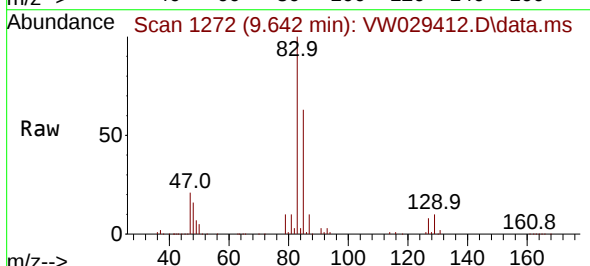
Tgt Ion: 83 Resp: 163171

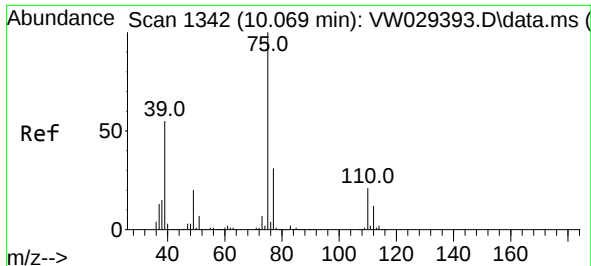
Ion Ratio Lower Upper

83 100

85 62.6 45.1 83.9

127 7.7 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 20.638 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

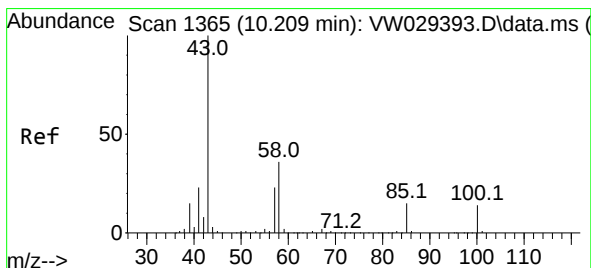
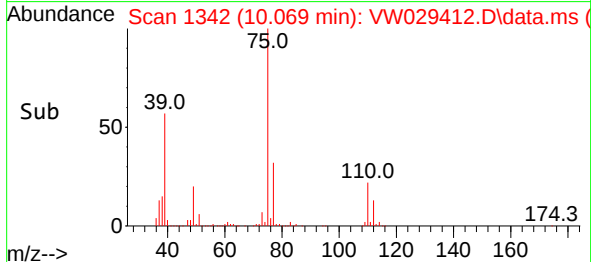
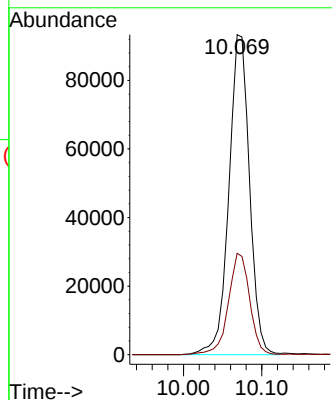
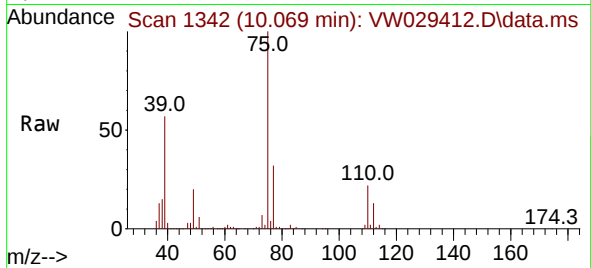
A4CC5MS

Tgt Ion: 75 Resp: 170787

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 40.068 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

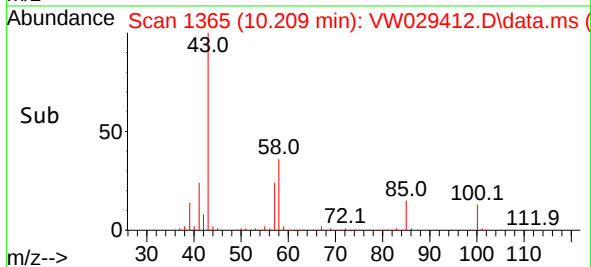
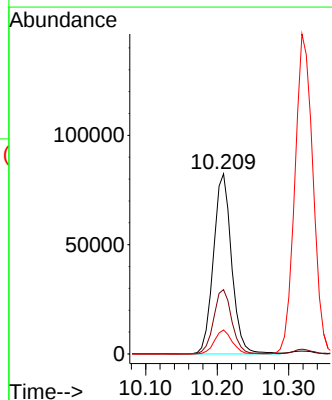
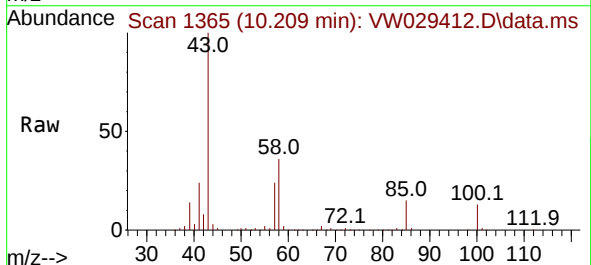
Tgt Ion: 43 Resp: 145387

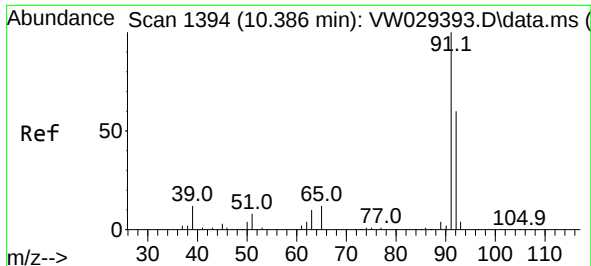
Ion Ratio Lower Upper

43 100

58 35.8 28.2 42.4

100 13.0 11.0 16.4





#42

Toluene

Concen: 23.001 ug/L

RT: 10.386 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

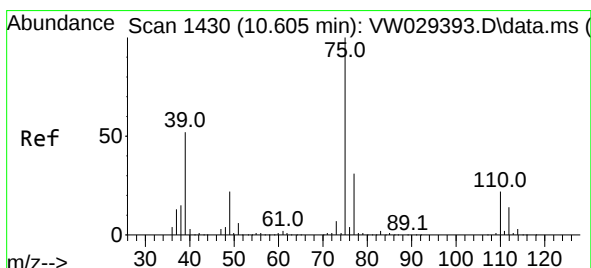
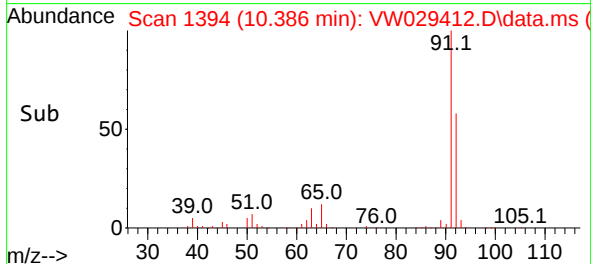
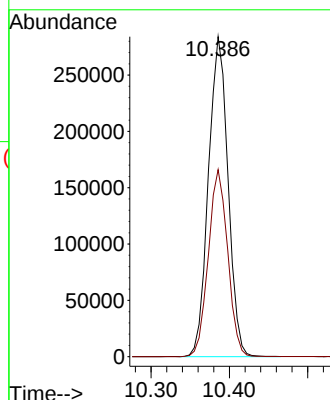
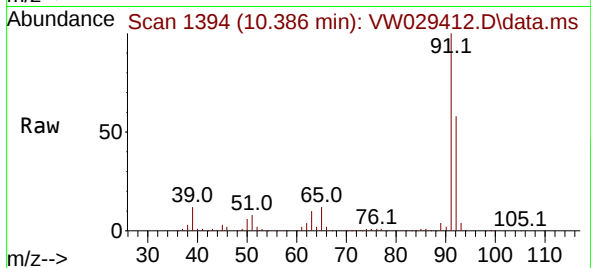
A4CC5MS

Tgt Ion: 91 Resp: 492638

Ion Ratio Lower Upper

91 100

92 58.4 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 20.522 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029412.D

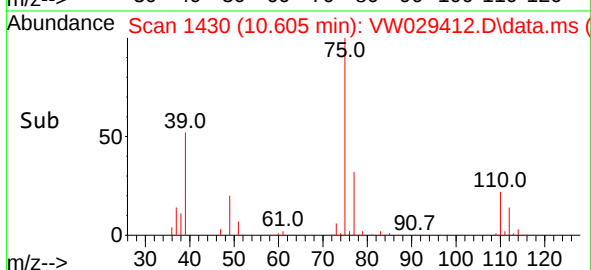
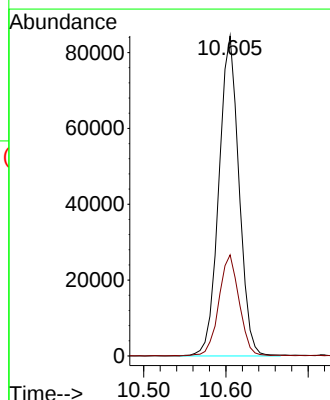
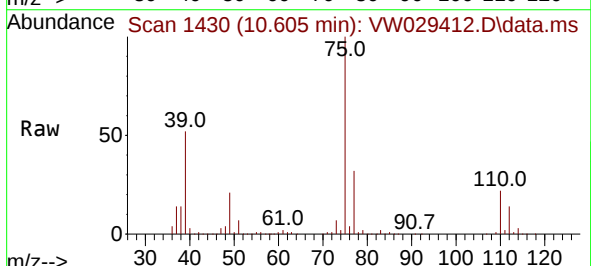
Acq: 28 Jun 2024 20:46

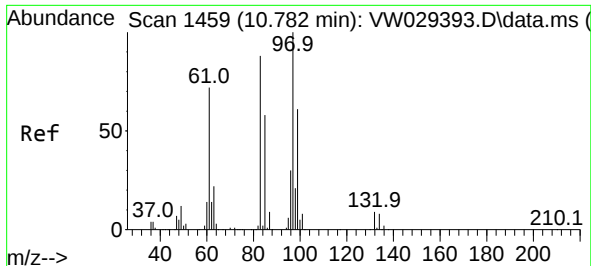
Tgt Ion: 75 Resp: 143400

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1



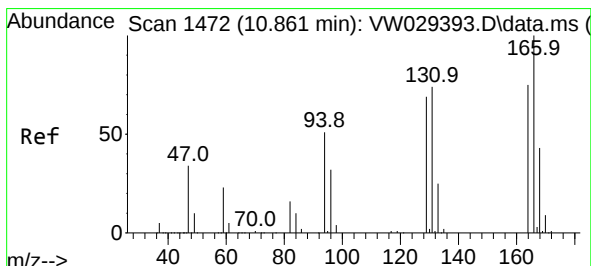
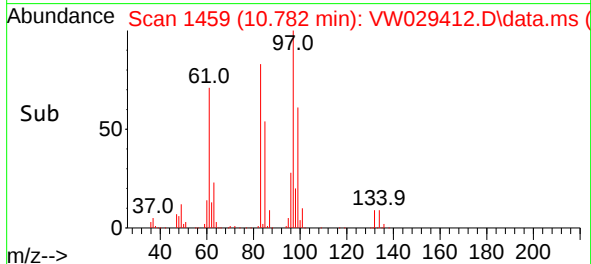
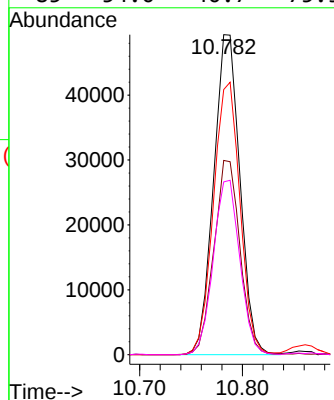
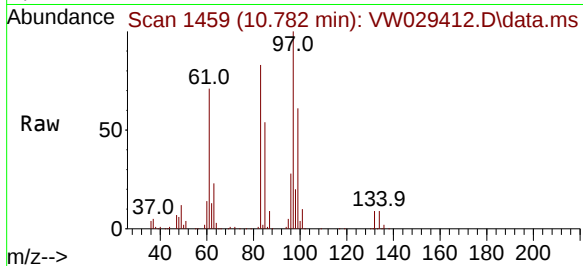


#45  
1,1,2-Trichloroethane  
Concen: 21.475 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

Tgt Ion: 97 Resp: 87560

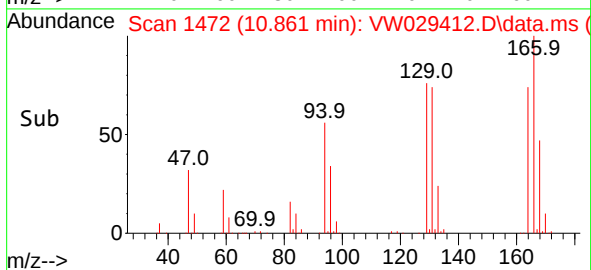
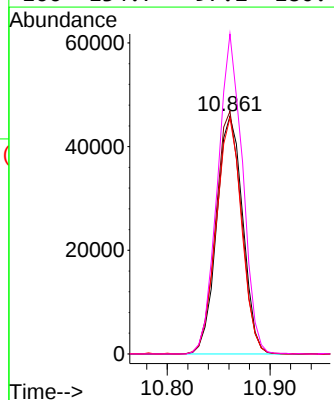
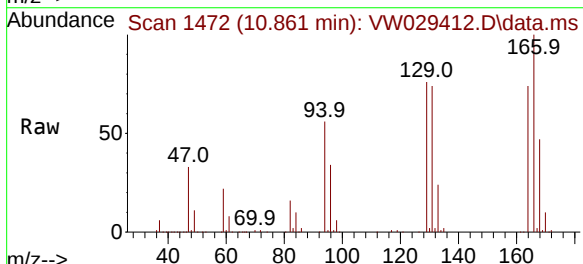
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 60.7  | 42.3  | 78.5  |
| 83  | 82.9  | 57.7  | 107.1 |
| 85  | 54.0  | 40.7  | 75.5  |

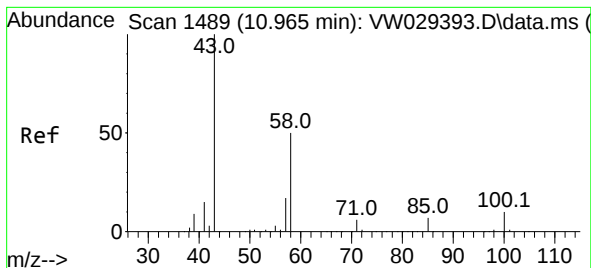


#46  
Tetrachloroethene  
Concen: 20.761 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 164 Resp: 80666

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 102.2 | 68.5  | 127.3 |
| 131 | 99.4  | 71.8  | 133.4 |
| 166 | 134.7 | 97.2  | 180.4 |





#48

2-Hexanone

Concen: 36.061 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

A4CC5MS

Tgt Ion: 43 Resp: 92845

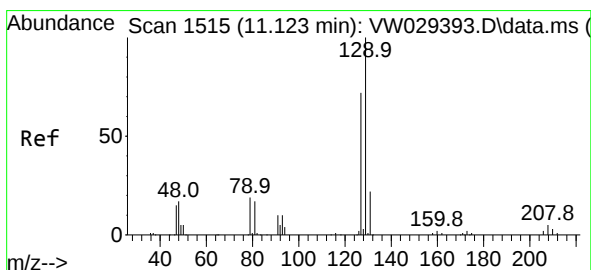
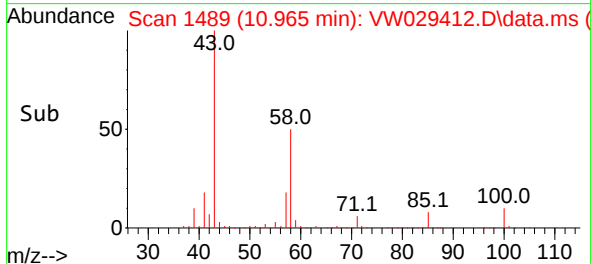
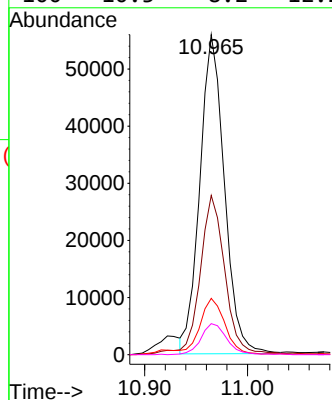
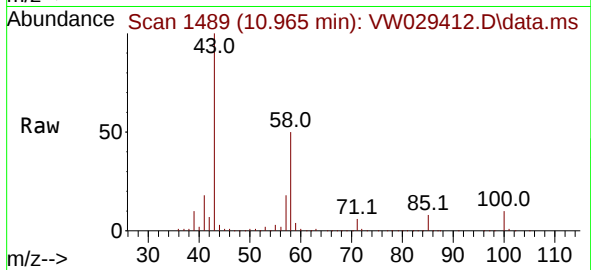
Ion Ratio Lower Upper

43 100

58 49.6 39.6 59.4

57 17.9 14.6 21.8

100 10.3 8.2 12.2



#49

Dibromochloromethane

Concen: 21.939 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW029412.D

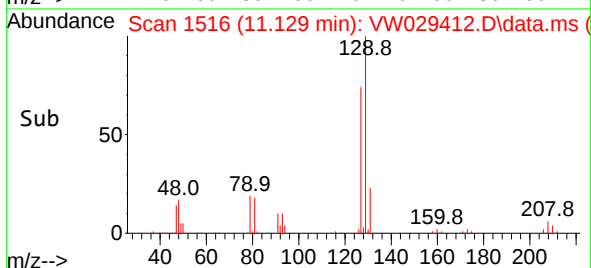
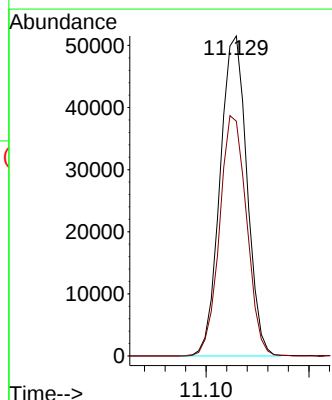
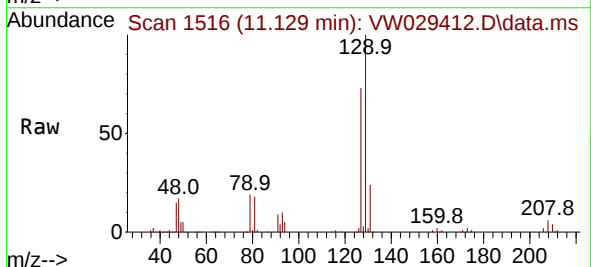
Acq: 28 Jun 2024 20:46

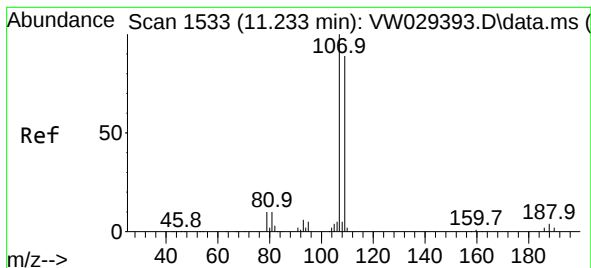
Tgt Ion:129 Resp: 93505

Ion Ratio Lower Upper

129 100

127 73.4 54.8 101.8





#50

1,2-Dibromoethane

Concen: 20.204 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

A4CC5MS

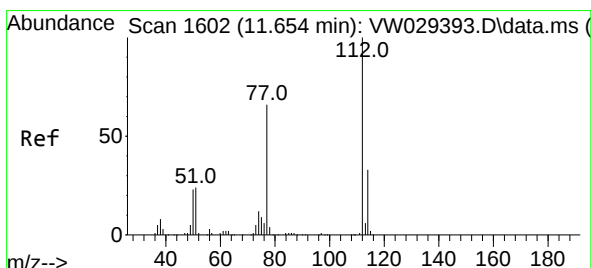
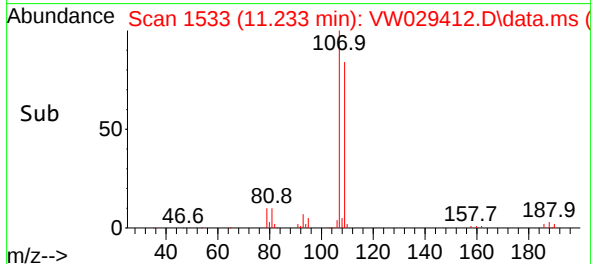
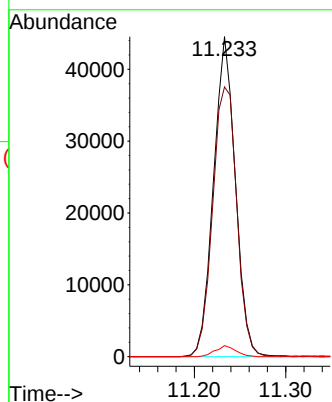
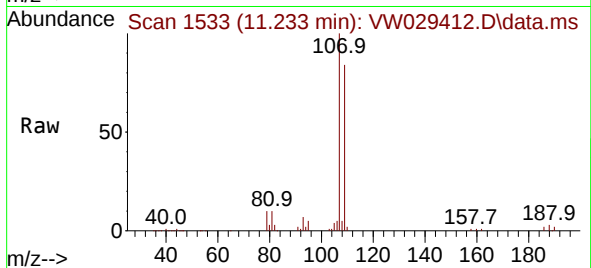
Tgt Ion:107 Resp: 73948

Ion Ratio Lower Upper

107 100

109 84.3 65.5 121.6

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 21.940 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

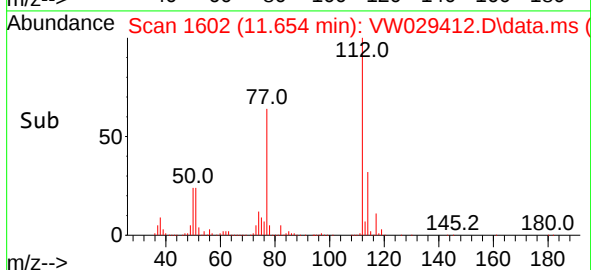
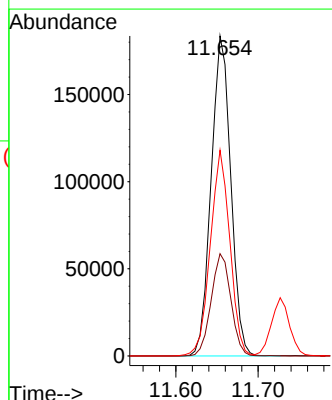
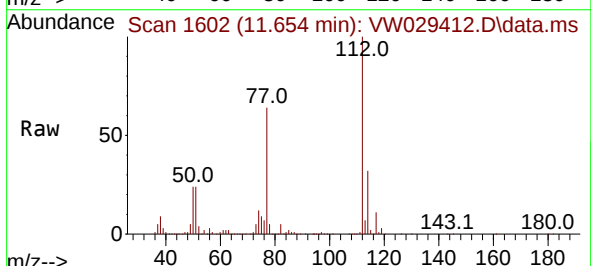
Tgt Ion:112 Resp: 305145

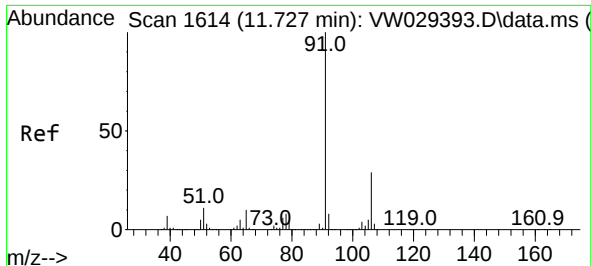
Ion Ratio Lower Upper

112 100

114 32.0 22.6 42.0

77 64.3 51.0 76.6

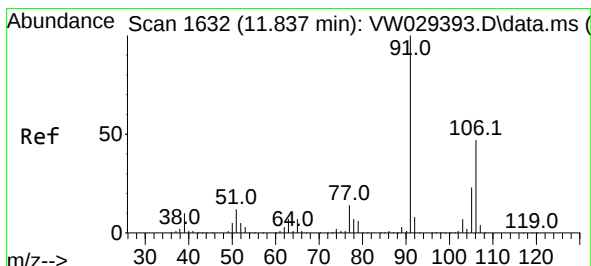
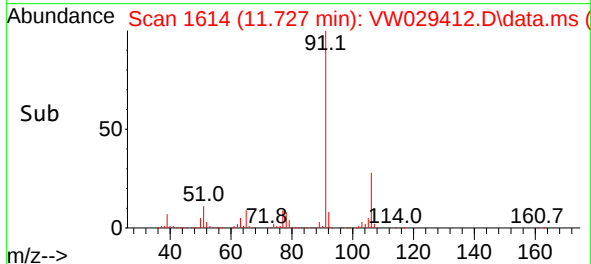
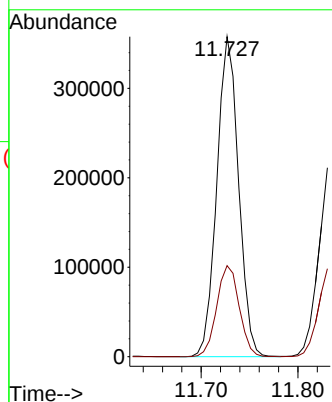
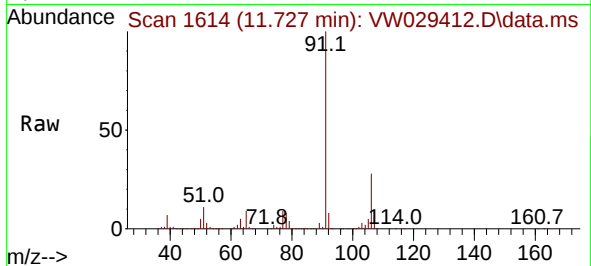




#52  
Ethylbenzene  
Concen: 22.961 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

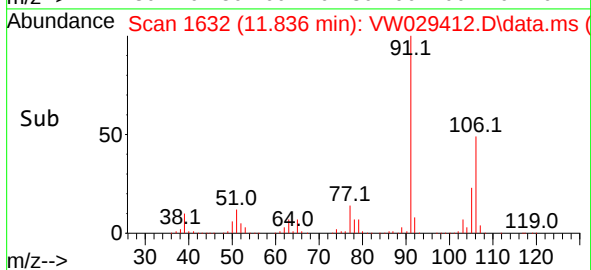
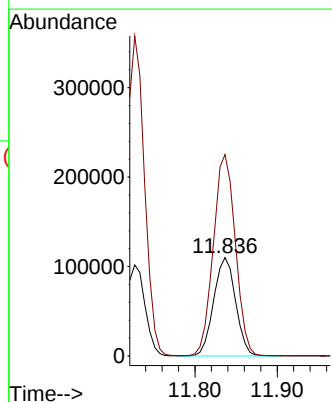
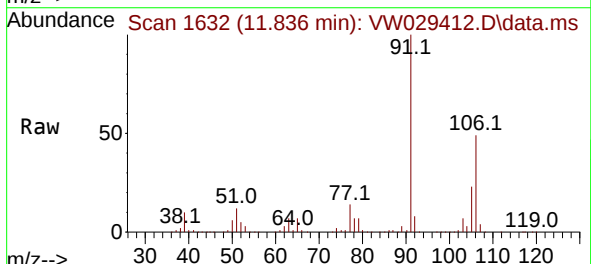
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

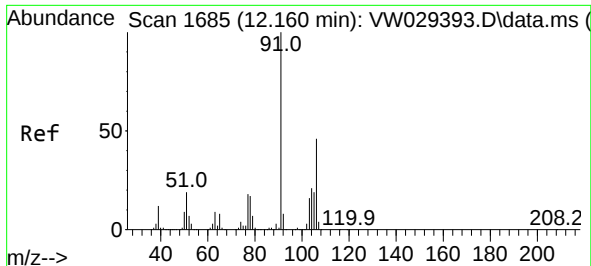
Tgt Ion: 91 Resp: 558224  
Ion Ratio Lower Upper  
91 100  
106 28.5 19.9 37.0



#53  
m,p-Xylene  
Concen: 22.860 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 106 Resp: 203007  
Ion Ratio Lower Upper  
106 100  
91 204.6 140.5 260.9

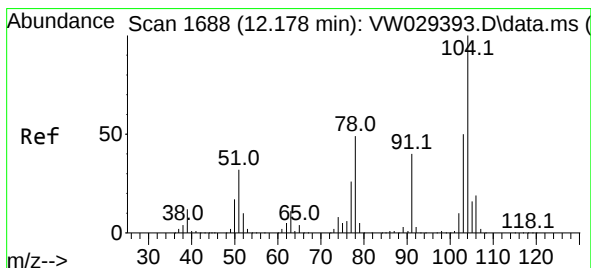
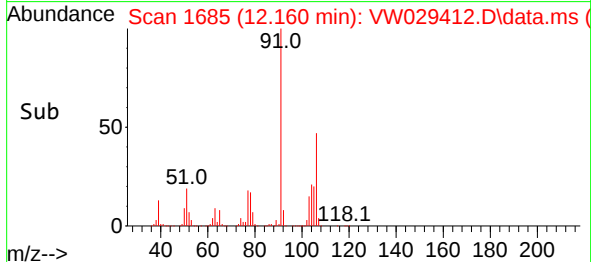
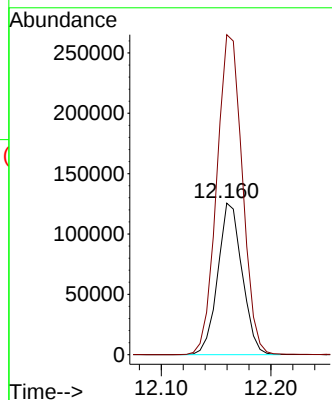
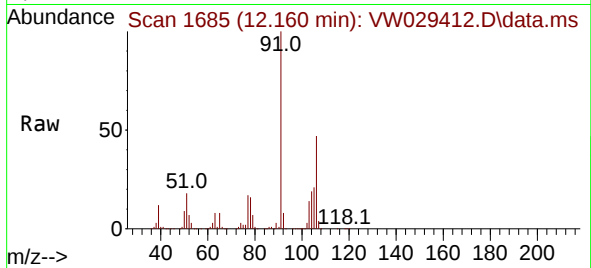




#54  
o-Xylene  
Concen: 23.360 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

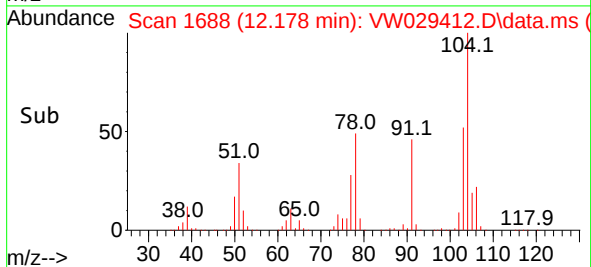
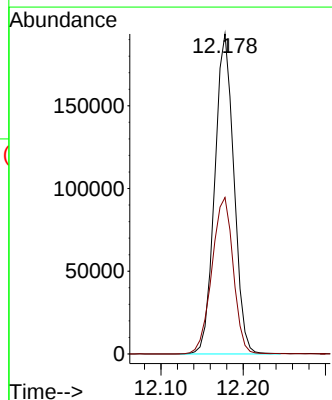
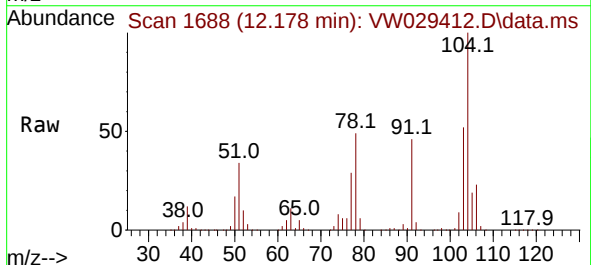
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

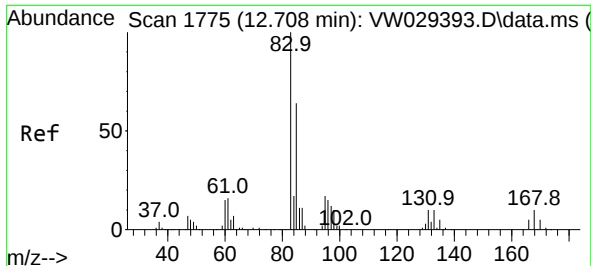
Tgt Ion:106 Resp: 193877  
Ion Ratio Lower Upper  
106 100  
91 211.1 149.9 278.5



#55  
Styrene  
Concen: 21.633 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion:104 Resp: 313051  
Ion Ratio Lower Upper  
104 100  
78 48.9 35.4 65.7





#57

1,1,2-Tetrachloroethane

Concen: 19.571 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

A4CC5MS

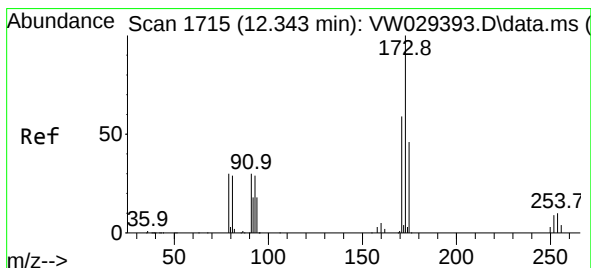
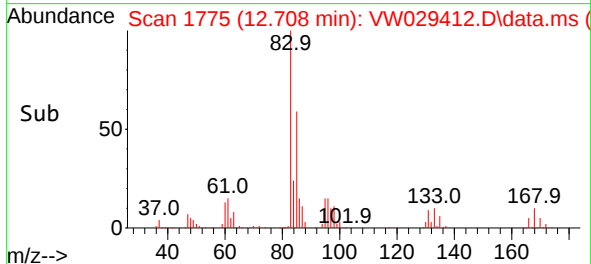
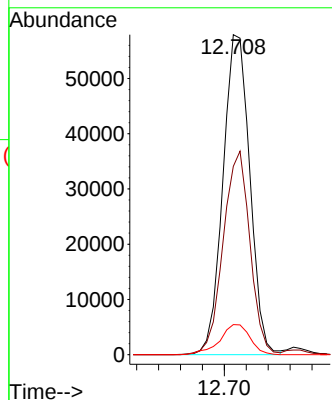
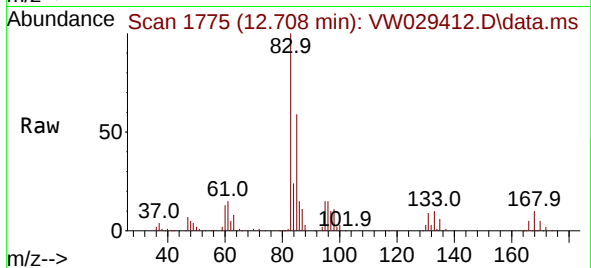
Tgt Ion: 83 Resp: 98707

Ion Ratio Lower Upper

83 100

85 58.9 45.8 85.0

131 9.4 7.8 11.6



#59

Bromoform

Concen: 23.894 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

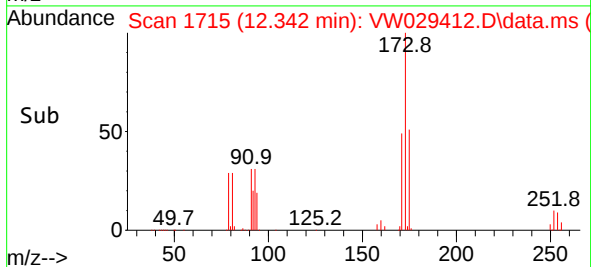
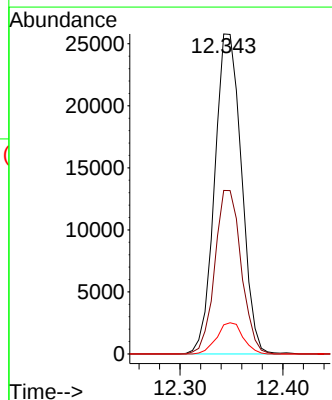
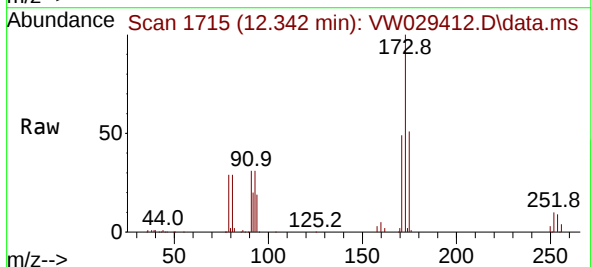
Tgt Ion: 173 Resp: 46674

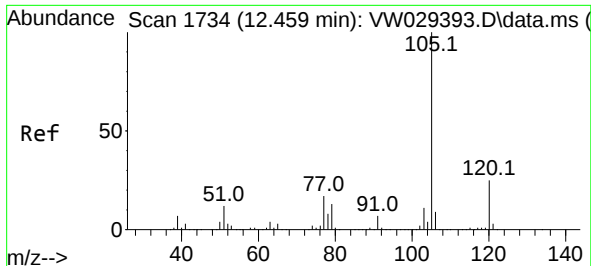
Ion Ratio Lower Upper

173 100

175 50.3 37.8 56.8

254 9.5 7.8 11.6

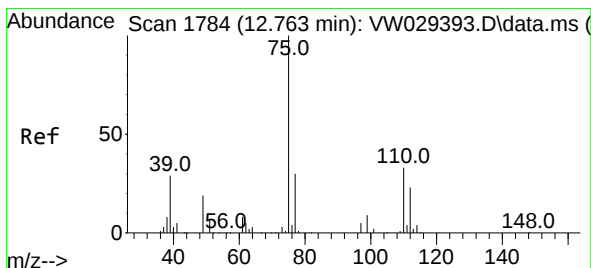
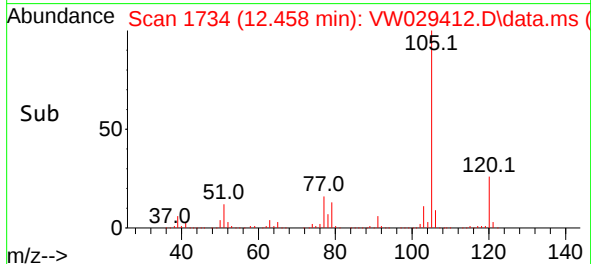
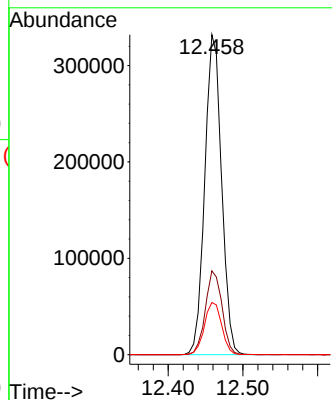
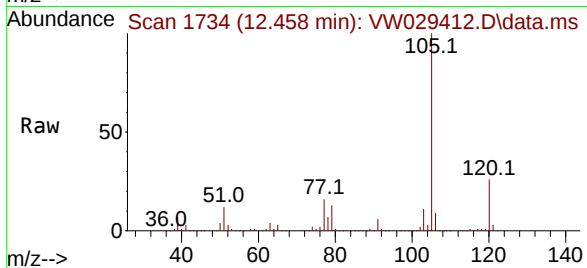




#60  
Isopropylbenzene  
Concen: 27.257 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

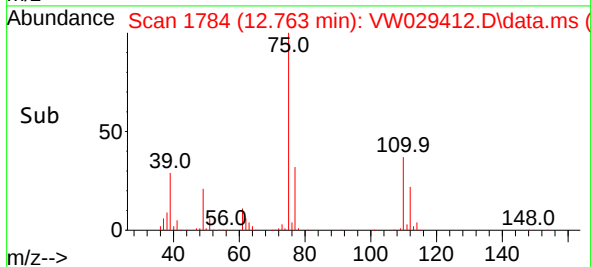
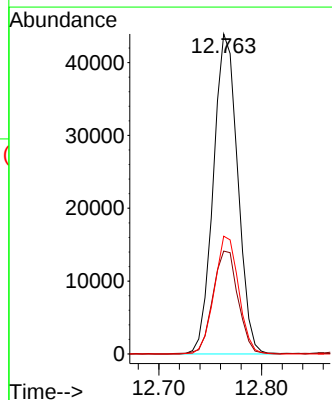
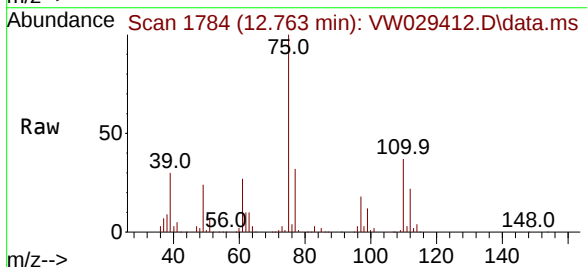
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

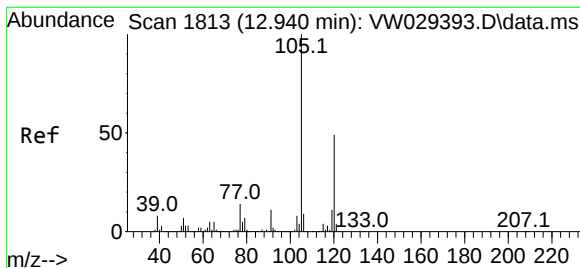
Tgt Ion:105 Resp: 517637  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.5 30.7  
77 16.8 13.6 20.4



#61  
1,2,3-Trichloropropane  
Concen: 23.255 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion: 75 Resp: 72294  
Ion Ratio Lower Upper  
75 100  
77 33.2 26.6 39.8  
110 36.7 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 26.858 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

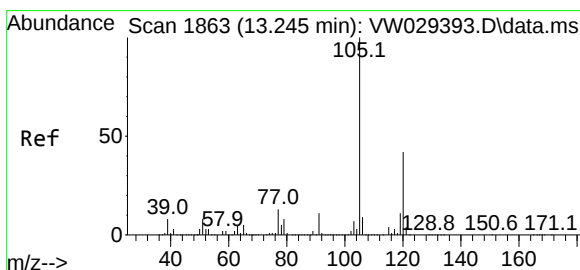
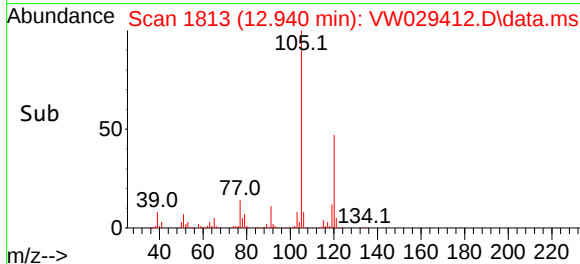
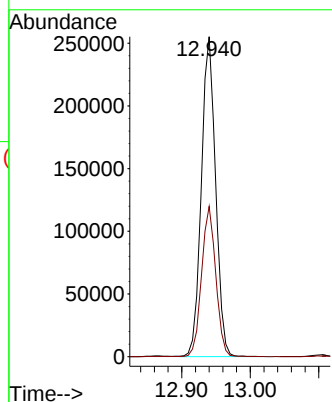
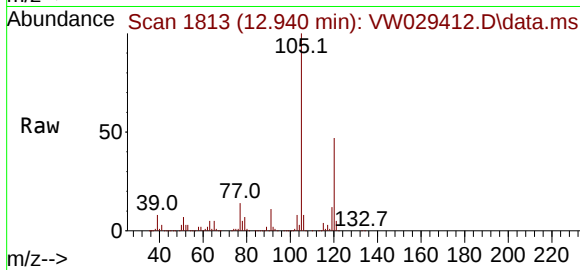
A4CC5MS

Tgt Ion:105 Resp: 369397

Ion Ratio Lower Upper

105 100

120 46.6 36.4 54.6



#63

1,2,4-Trimethylbenzene

Concen: 26.582 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW029412.D

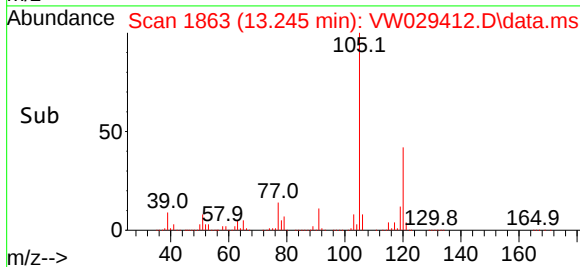
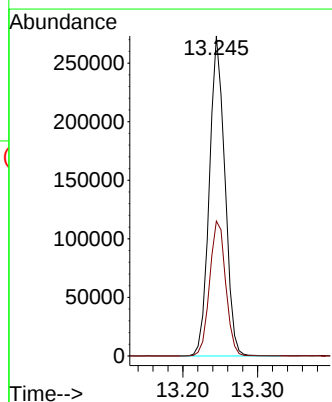
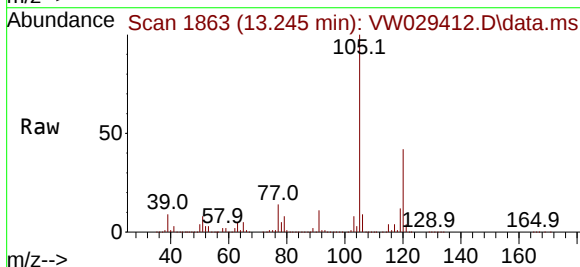
Acq: 28 Jun 2024 20:46

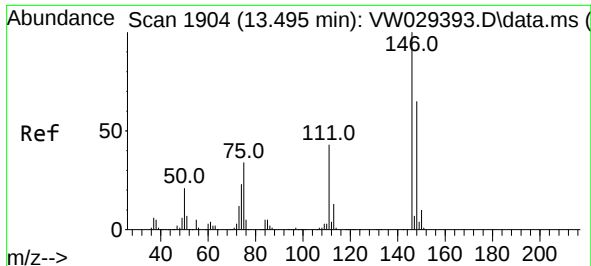
Tgt Ion:105 Resp: 393369

Ion Ratio Lower Upper

105 100

120 43.6 34.9 52.3

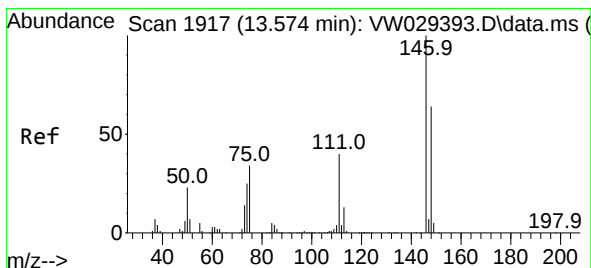
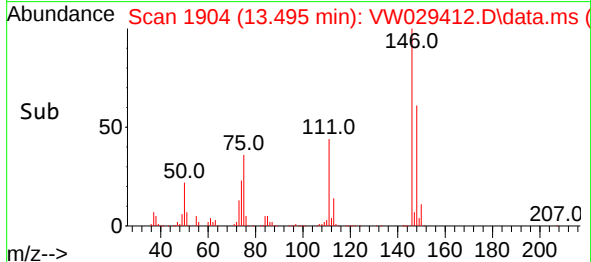
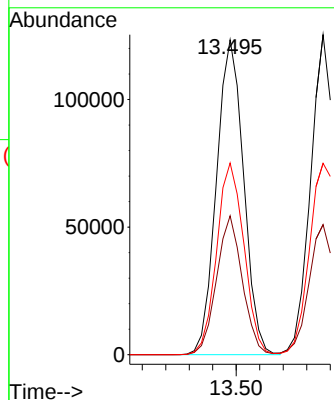
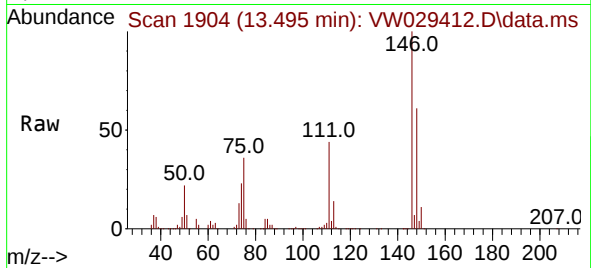




#64  
1,3-Dichlorobenzene  
Concen: 24.138 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

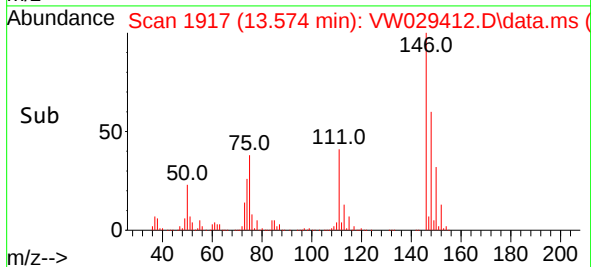
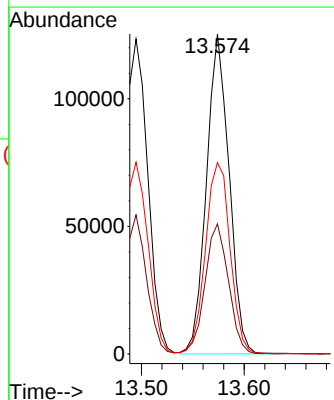
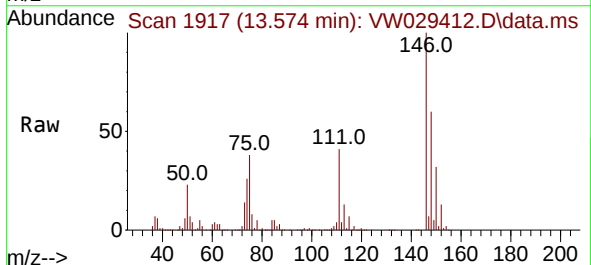
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

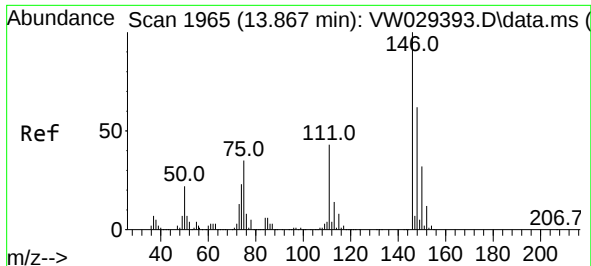
Tgt Ion:146 Resp: 198375  
Ion Ratio Lower Upper  
146 100  
111 44.1 33.0 61.2  
148 60.9 47.5 88.1



#65  
1,4-Dichlorobenzene  
Concen: 21.989 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

Tgt Ion:146 Resp: 192272  
Ion Ratio Lower Upper  
146 100  
111 40.7 28.9 53.7  
148 59.8 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 21.975 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

A4CC5MS

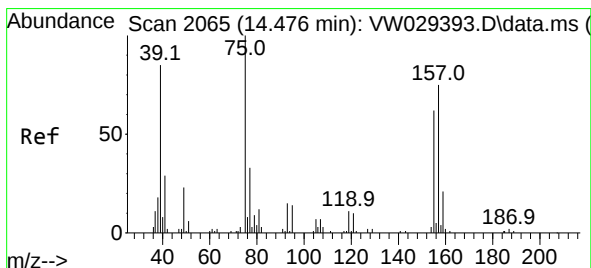
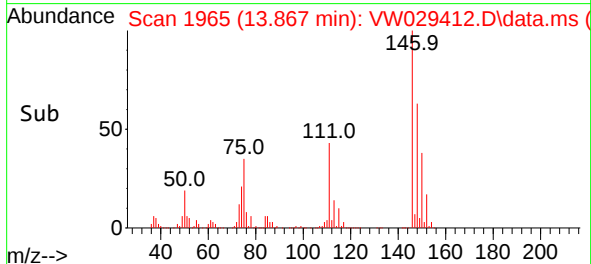
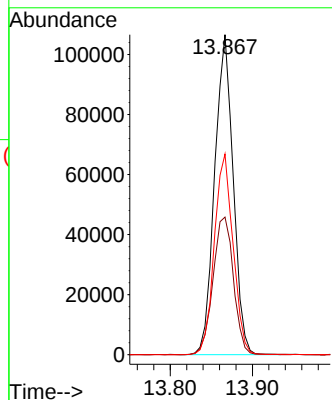
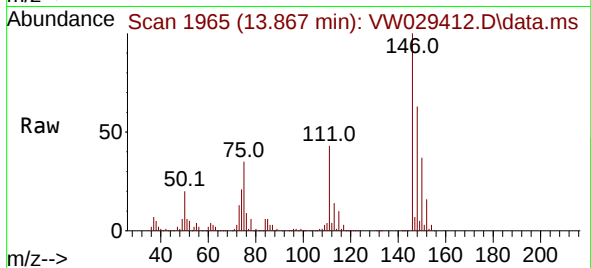
Tgt Ion:146 Resp: 166960

Ion Ratio Lower Upper

146 100

111 43.0 34.2 51.4

148 62.7 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 20.514 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

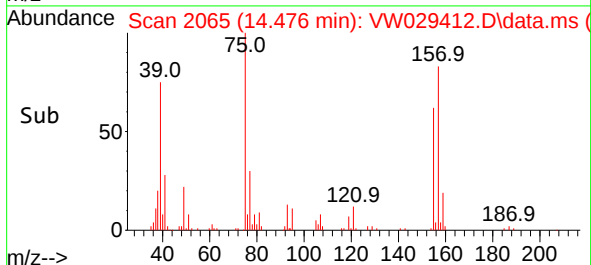
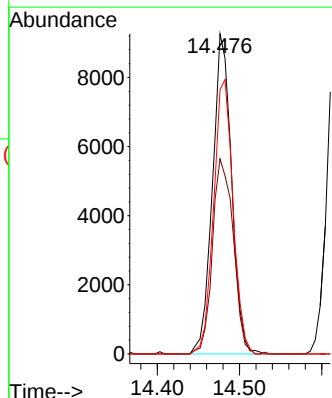
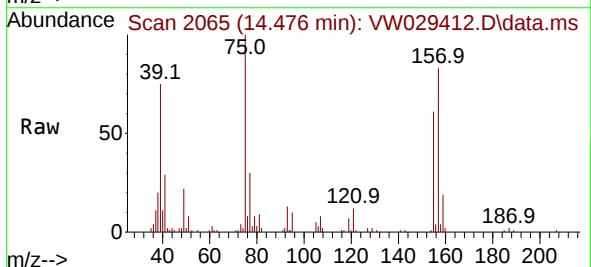
Tgt Ion: 75 Resp: 14882

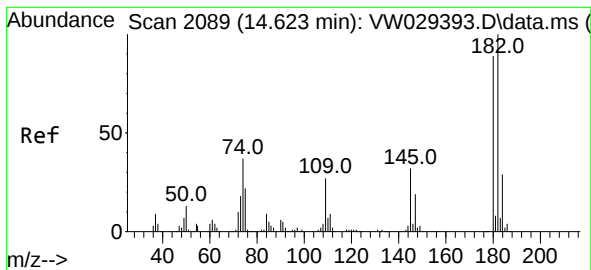
Ion Ratio Lower Upper

75 100

155 61.0 51.0 76.6

157 82.6 58.8 88.2

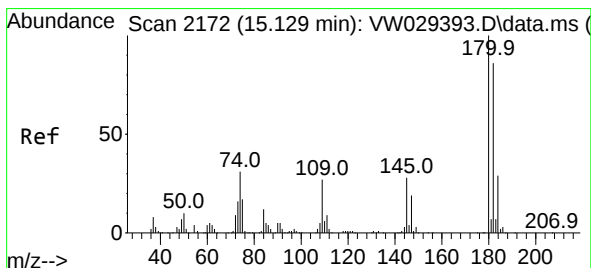
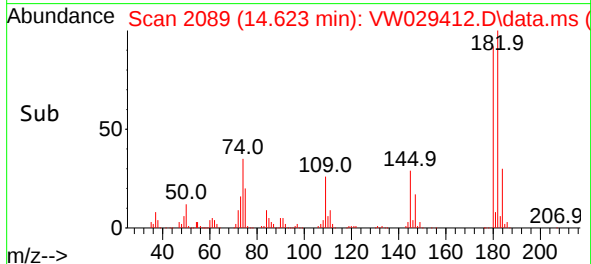
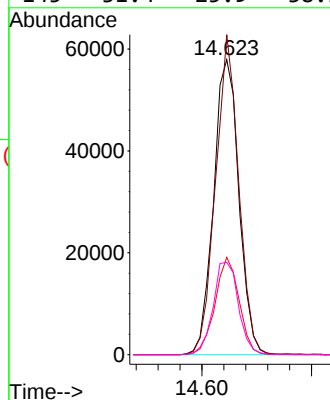
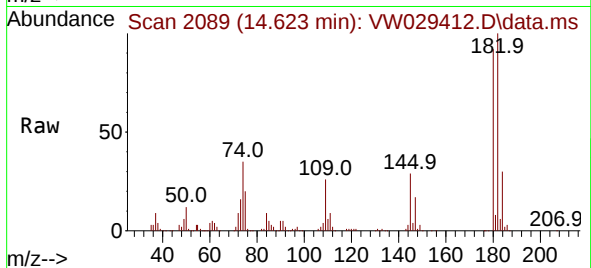




#69  
1,3,5-Trichlorobenzene  
Concen: 16.721 ug/L  
RT: 14.623 min Scan# 2089  
Delta R.T. -0.000 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

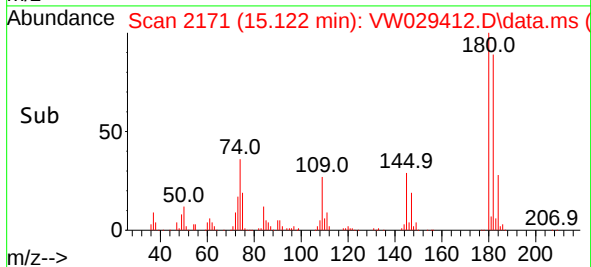
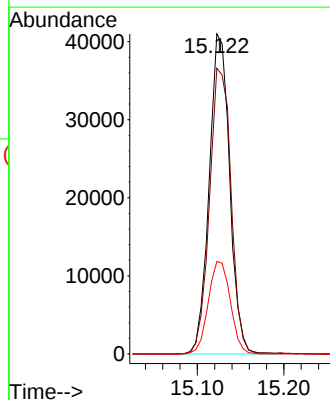
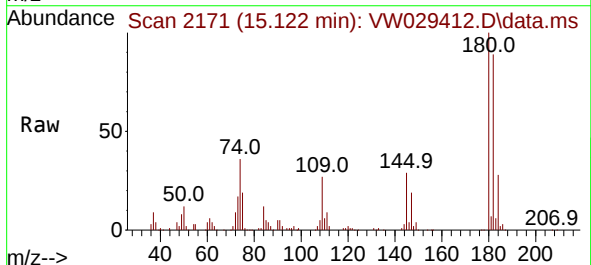
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CC5MS

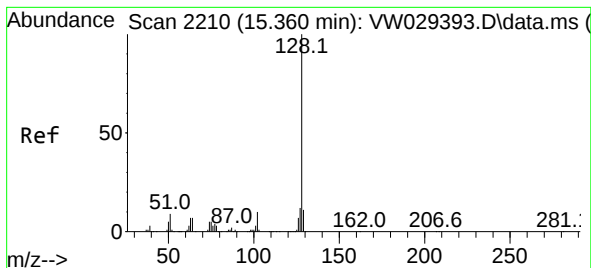
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 92747      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 99.0  | 72.9 109.3 |
| 184         | 31.4  | 23.8 35.6  |
| 145         | 31.4  | 25.9 38.9  |



#70  
1,2,4-trichlorobenzene  
Concen: 14.991 ug/L  
RT: 15.122 min Scan# 2171  
Delta R.T. -0.006 min  
Lab File: VW029412.D  
Acq: 28 Jun 2024 20:46

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 67405      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.9  | 77.7 116.5 |
| 145         | 31.1  | 25.7 38.5  |





#71

Naphthalene

Concen: 16.223 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Instrument :

MSVOA\_W

ClientSampleId :

A4CC5MS

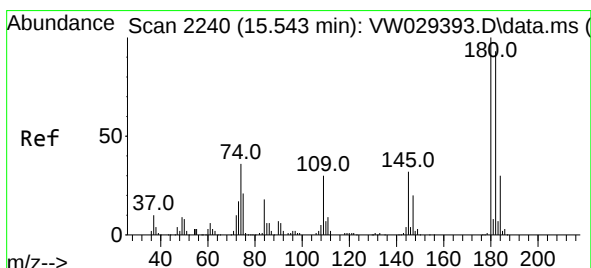
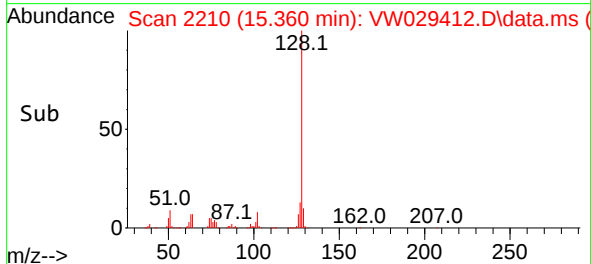
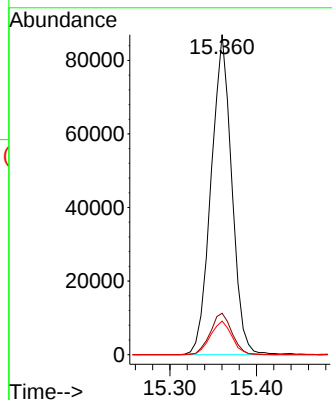
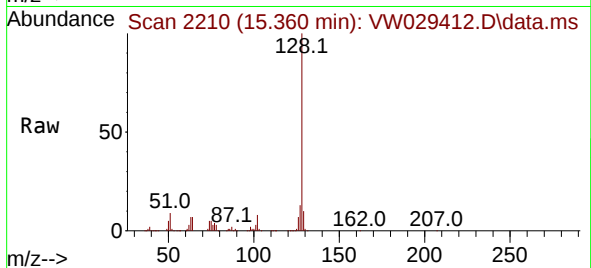
Tgt Ion:128 Resp: 143965

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 11.0 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 13.115 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW029412.D

Acq: 28 Jun 2024 20:46

Tgt Ion:180 Resp: 53730

Ion Ratio Lower Upper

180 100

182 95.6 73.0 109.6

145 33.5 28.1 42.1

