

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW060724\  
 Data File : VW029061.D  
 Acq On : 07 Jun 2024 14:41  
 Operator : SY/MD  
 Sample : P2710-22MS  
 Misc : 5.54g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4B87MS

Quant Time: Jun 07 23:08:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 07 23:05:54 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 533968   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 416278   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 137002   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 166079   | 19.578   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.320%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 134781   | 20.691   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.760%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 75682    | 20.299   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 81.200%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 81644    | 47.107   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.220%  |
| 24) Chloroform-d              | 7.648  | 84    | 339253   | 22.270   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 89.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 179662   | 22.402   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 89.600%  |
| 32) Benzene-d6                | 8.276  | 84    | 662429   | 25.927   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 103.720% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 207172   | 26.743   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 106.960% |
| 41) Toluene-d8                | 10.319 | 98    | 549662   | 24.108   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 96.440%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 71755    | 24.105   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 96.440%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 58120    | 56.853   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 113.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 137767   | 25.599   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.400% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 104626   | 21.521   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.080%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 123083   | 20.186   | ug/L   | 89       |
| 3) Chloromethane              | 2.222  | 50    | 155175   | 20.831   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 178238   | 19.767   | ug/L   | 97       |
| 6) Bromomethane               | 2.789  | 94    | 97307    | 18.011   | ug/L   | 96       |
| 8) Chloroethane               | 2.930  | 64    | 111633   | 20.500   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 152981   | 20.410   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 139732   | 18.894   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 144253   | 21.372   | ug/L   | 94       |
| 13) Acetone                   | 4.118  | 43    | 55565    | 30.593   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.387  | 76    | 397206   | 17.382   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.667  | 43    | 71095    | 23.568   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 162033   | 20.219   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 151437   | 20.579   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 260322   | 25.368   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 321548   | 22.225   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 173132   | 22.441   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 100189   | 45.777   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.520  | 128   | 72954    | 21.663   | ug/L   | 92       |
| 25) Chloroform                | 7.673  | 83    | 307090   | 21.854   | ug/L   | 99       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 07 23:05:54 2024  
 Response via : Initial Calibration

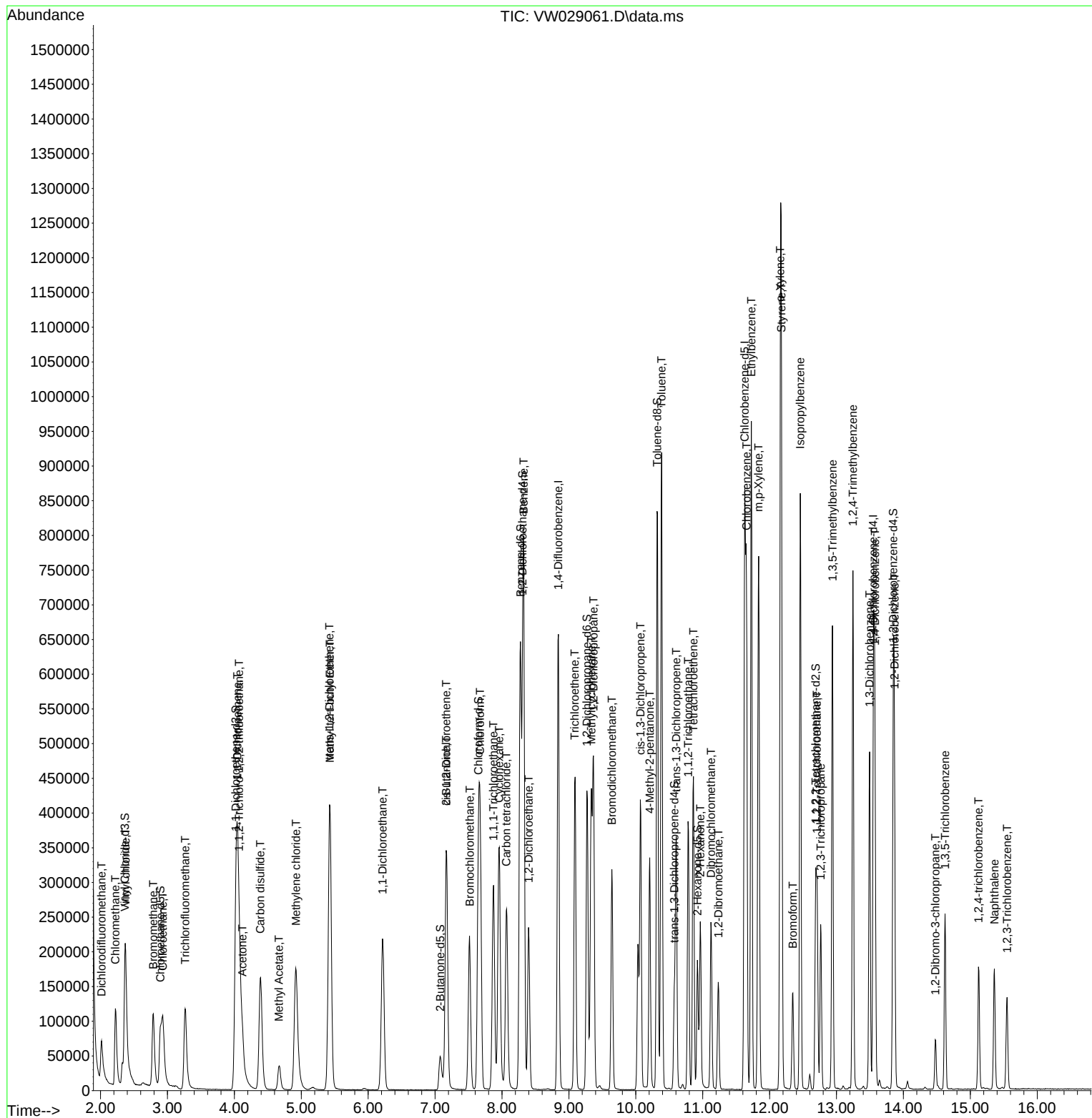
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 211734   | 22.485 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 212309   | 20.513 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 241661   | 25.055 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.063  | 117  | 201281   | 22.911 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 671076   | 25.926 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 164458   | 24.167 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 161718   | 14.009 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 178207   | 26.291 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 208518   | 25.224 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 243825   | 24.752 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 225093   | 65.288 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 645350   | 24.406 | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 196197   | 24.705 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 119604   | 26.127 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 99747    | 19.293 | ug/L  | 90       |
| 48) 2-Hexanone                | 10.965 | 43   | 167502   | 64.800 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 126068   | 26.073 | ug/L  | 88       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 106904   | 25.582 | ug/L  | 87       |
| 51) Chlorobenzene             | 11.654 | 112  | 364547   | 21.462 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 649919   | 21.633 | ug/L  | 95       |
| 53) m,p-Xylene                | 11.837 | 106  | 237560   | 21.348 | ug/L  | 91       |
| 54) o-Xylene                  | 12.160 | 106  | 229452   | 22.269 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 361030   | 20.323 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 128515   | 24.868 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 63462    | 36.023 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 532372   | 27.457 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 99374    | 38.454 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 349728   | 24.800 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 379239   | 25.446 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 187024   | 22.446 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 192672   | 22.140 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 165491   | 22.160 | ug/L  | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 19054    | 34.592 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 76059    | 13.295 | ug/L  | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 52108    | 11.238 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 142658   | 18.058 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 41596    | 10.500 | ug/L  | 100      |

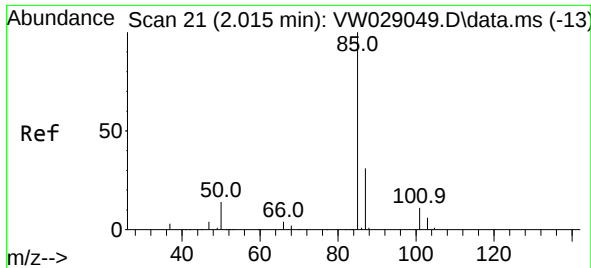
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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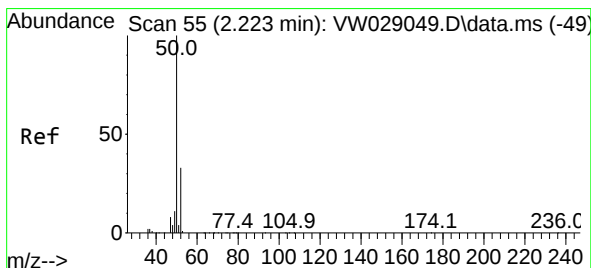
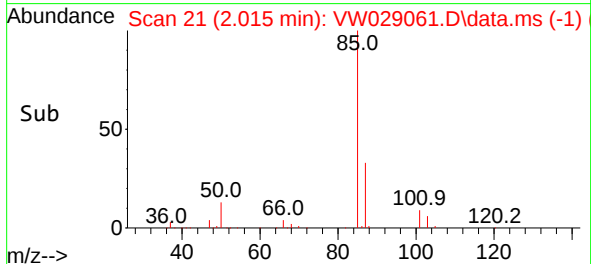
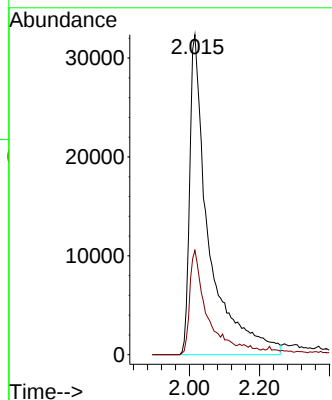
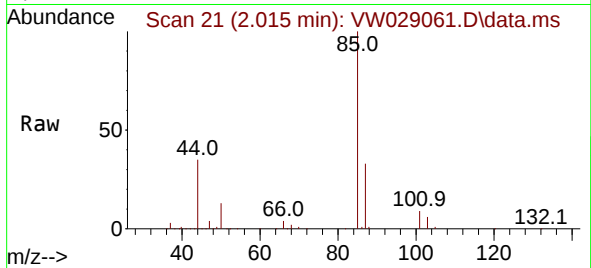




#2  
Dichlorodifluoromethane  
Concen: 20.186 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

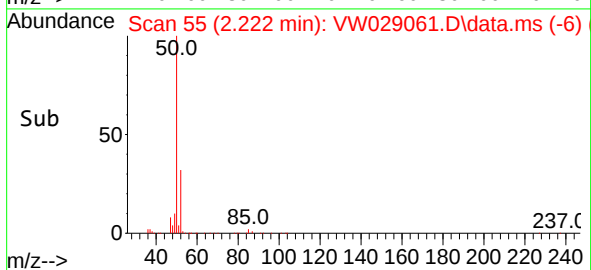
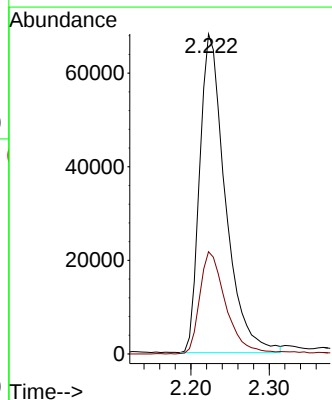
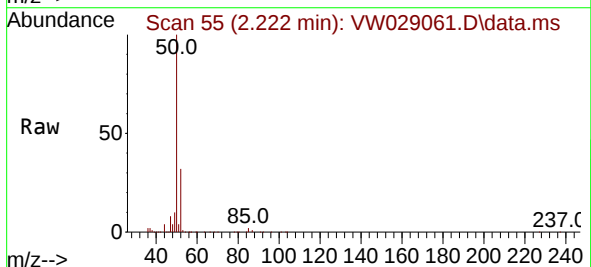
Instrument :  
MSVOA\_W  
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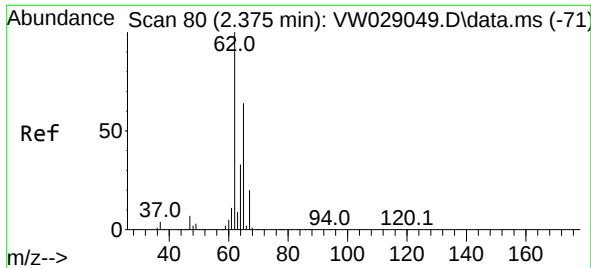
Tgt Ion: 85 Resp: 123083  
Ion Ratio Lower Upper  
85 100  
87 25.4 25.3 37.9



#3  
Chloromethane  
Concen: 20.831 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 50 Resp: 155175  
Ion Ratio Lower Upper  
50 100  
52 32.0 22.1 41.1

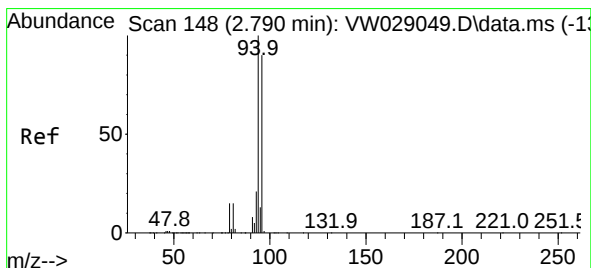
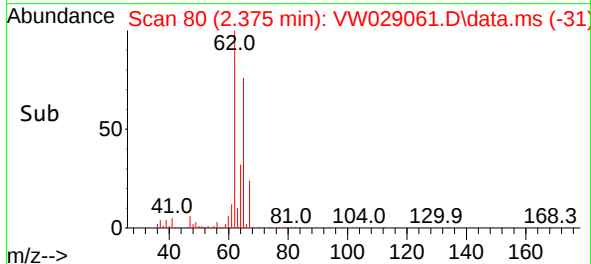
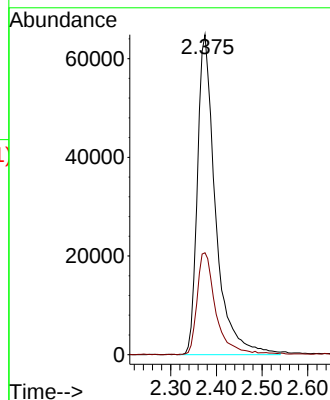
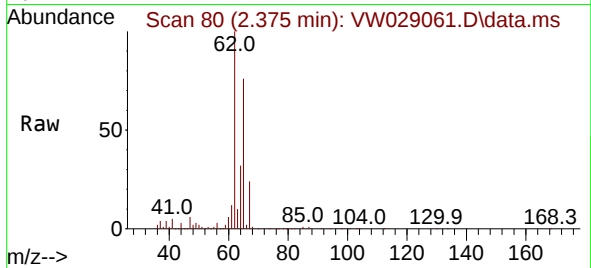




#5  
 Vinyl chloride  
 Concen: 19.767 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW029061.D  
 Acq: 07 Jun 2024 14:41

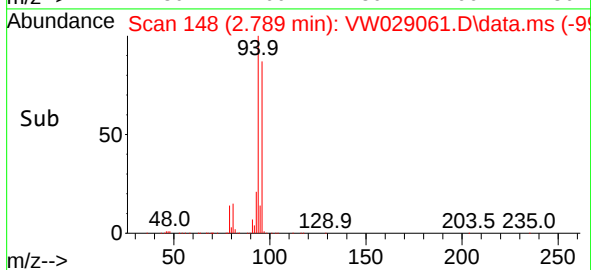
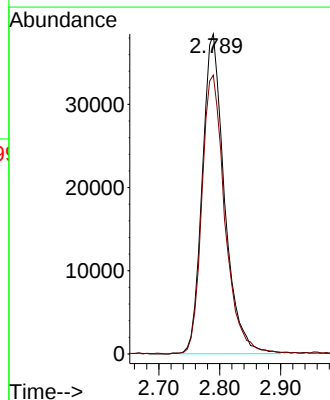
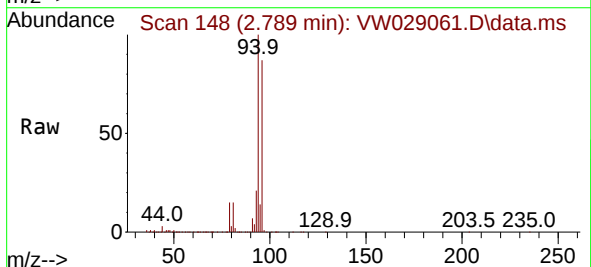
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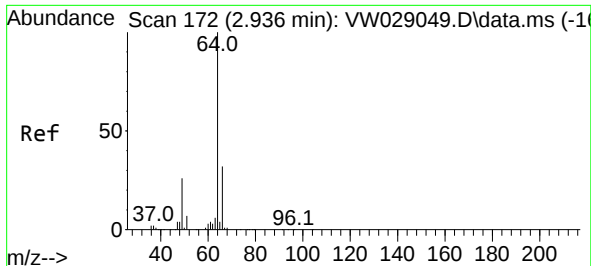
Tgt Ion: 62 Resp: 178238  
 Ion Ratio Lower Upper  
 62 100  
 64 31.8 23.4 43.4



#6  
 Bromomethane  
 Concen: 18.011 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW029061.D  
 Acq: 07 Jun 2024 14:41

Tgt Ion: 94 Resp: 97307  
 Ion Ratio Lower Upper  
 94 100  
 96 87.1 63.7 118.3

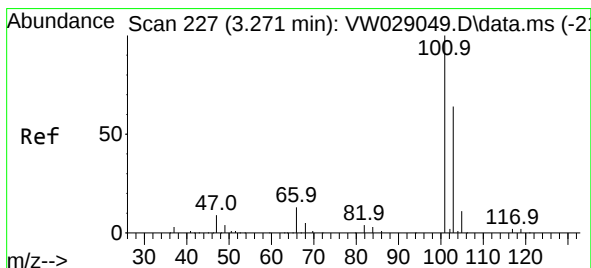
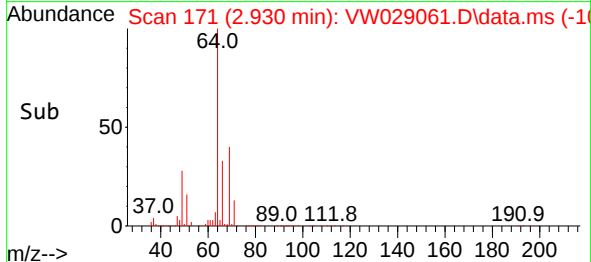
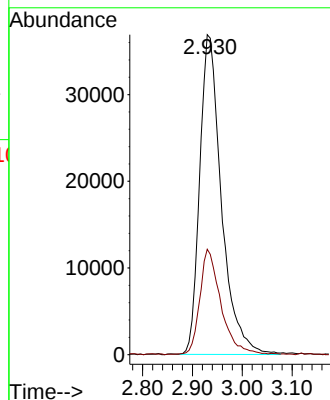
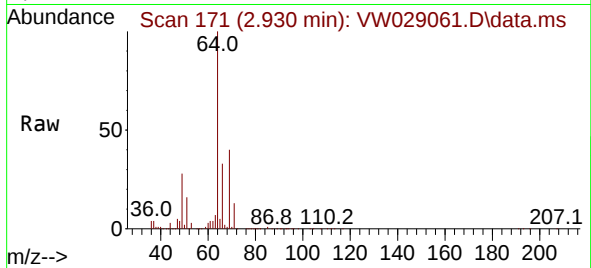




#8  
Chloroethane  
Concen: 20.500 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

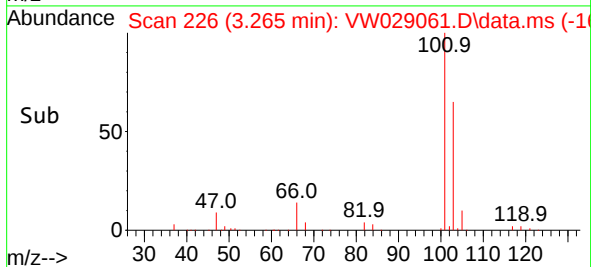
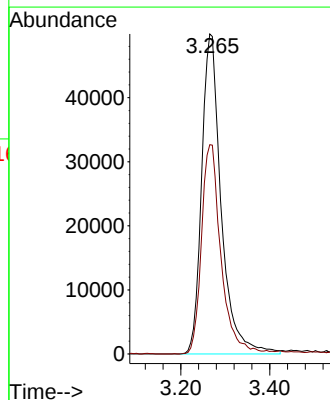
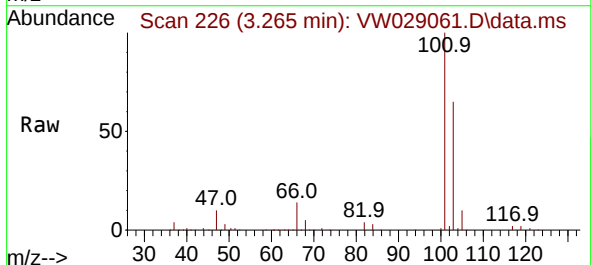
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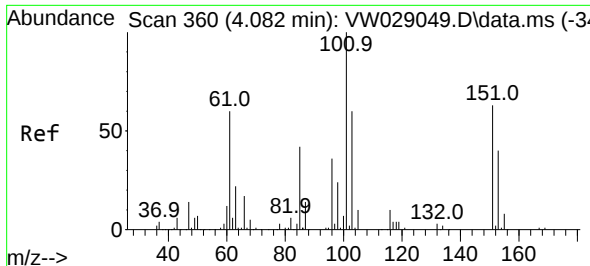
Tgt Ion: 64 Resp: 111633  
Ion Ratio Lower Upper  
64 100  
66 33.0 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 20.410 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion:101 Resp: 152981  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.3 76.9

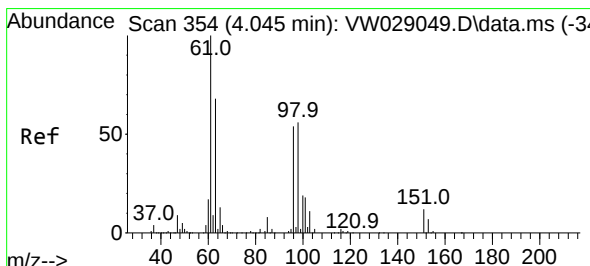
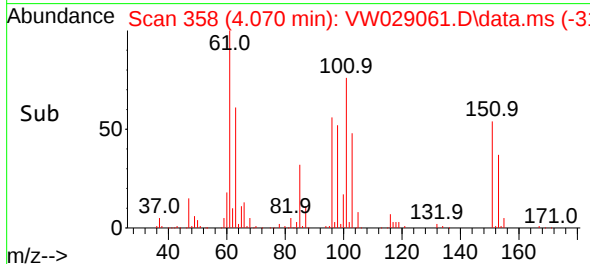
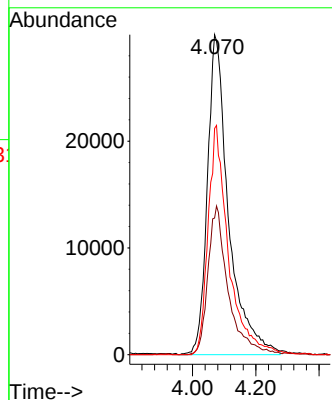
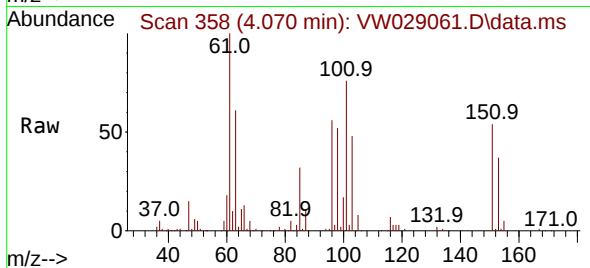




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 18.894 ug/L  
 RT: 4.070 min Scan# 358  
 Delta R.T. -0.012 min  
 Lab File: VW029061.D  
 Acq: 07 Jun 2024 14:41

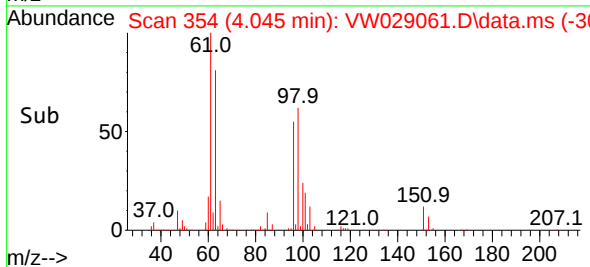
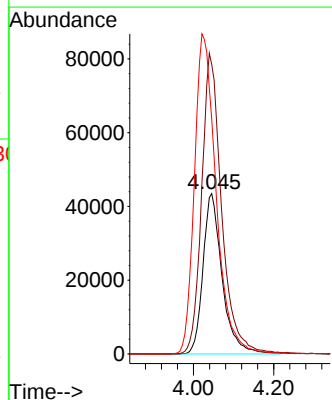
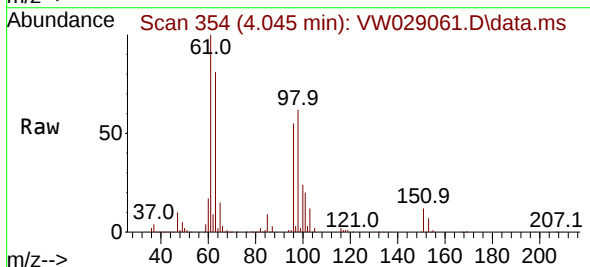
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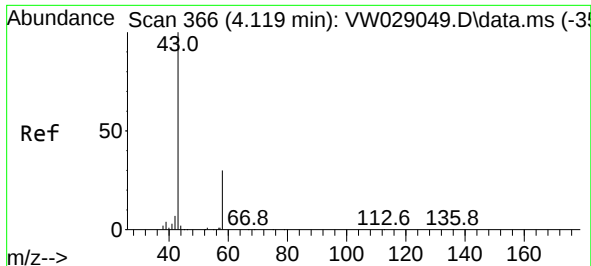
Tgt Ion:101 Resp: 139732  
 Ion Ratio Lower Upper  
 101 100  
 85 43.6 35.8 53.8  
 151 68.8 58.5 87.7



#12  
 1,1-Dichloroethene  
 Concen: 21.372 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW029061.D  
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Tgt Ion: 96 Resp: 144253  
 Ion Ratio Lower Upper  
 96 100  
 61 180.6 132.2 245.4  
 63 146.6 108.4 201.2





#13

Acetone

Concen: 30.593 ug/L

RT: 4.118 min Scan# 30

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

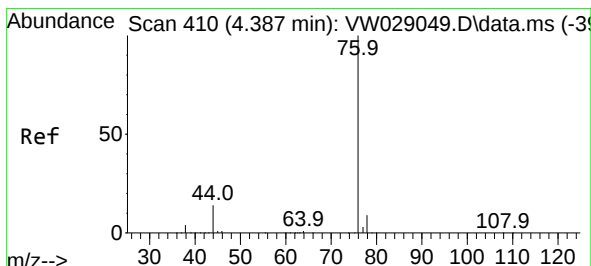
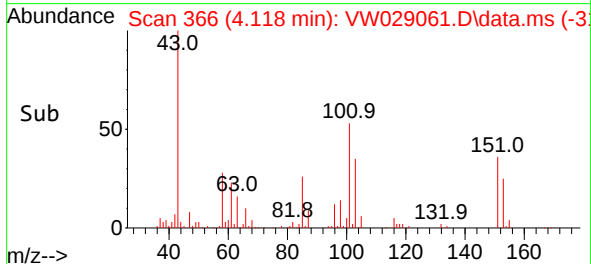
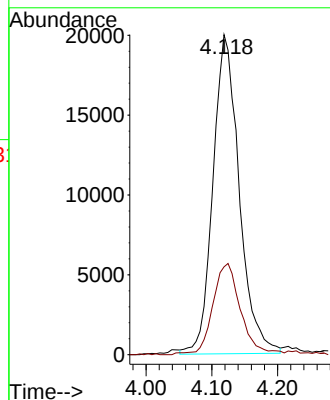
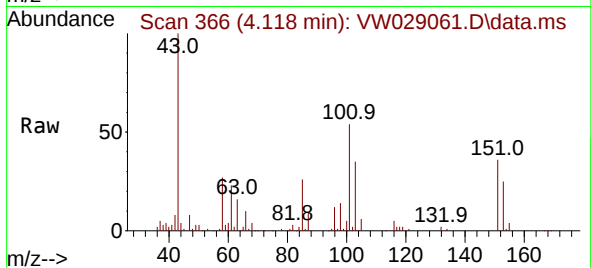
A4B87MS

Tgt Ion: 43 Resp: 55565

Ion Ratio Lower Upper

43 100

58 29.4 0.0 59.4



#14

Carbon disulfide

Concen: 17.382 ug/L

RT: 4.387 min Scan# 410

Delta R.T. -0.000 min

Lab File: VW029061.D

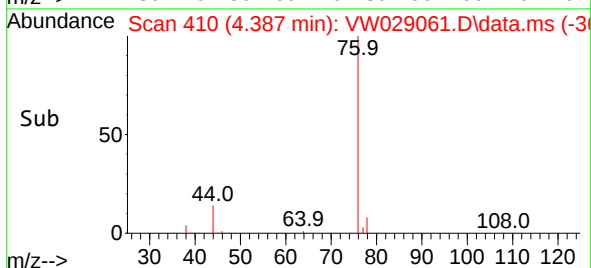
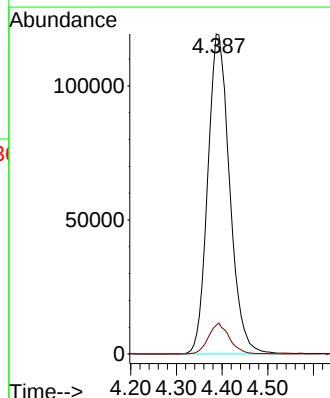
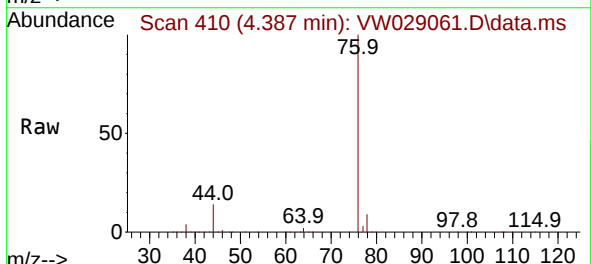
Acq: 07 Jun 2024 14:41

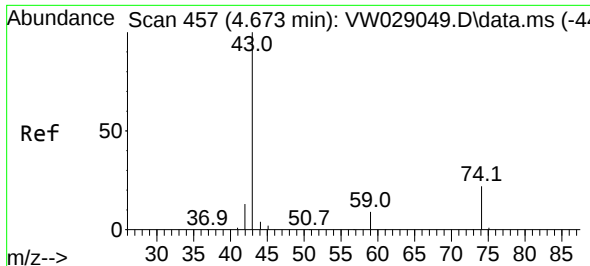
Tgt Ion: 76 Resp: 397206

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

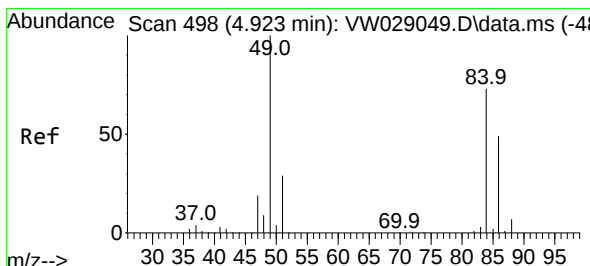
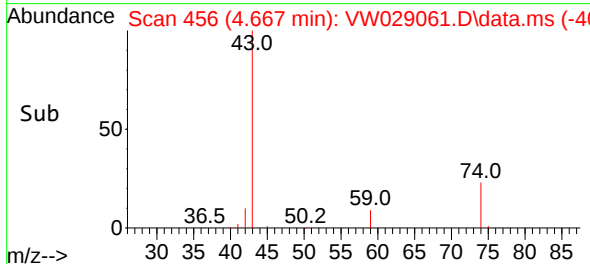
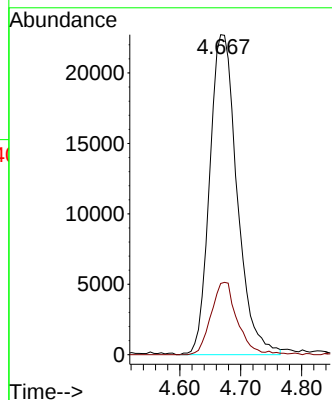
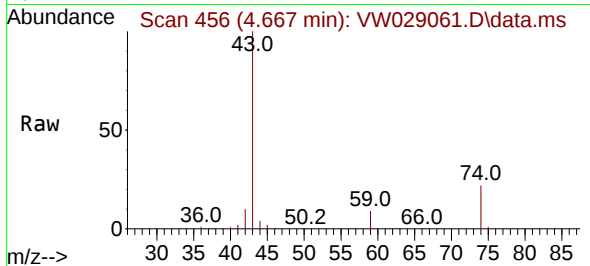




#15  
Methyl Acetate  
Concen: 23.568 ug/L  
RT: 4.667 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

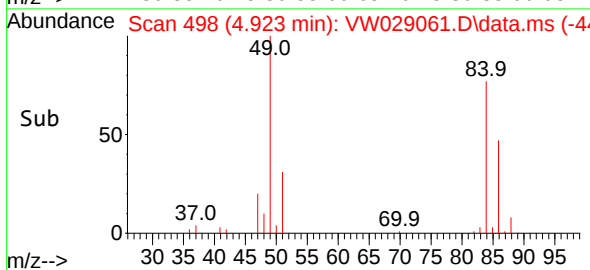
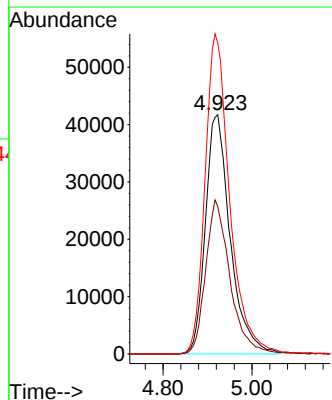
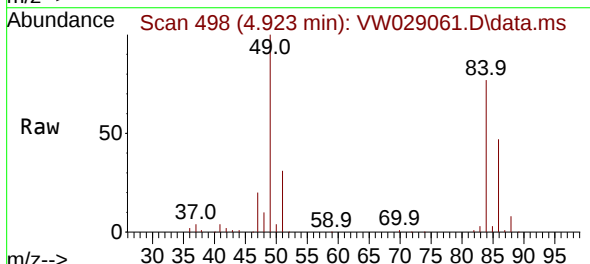
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

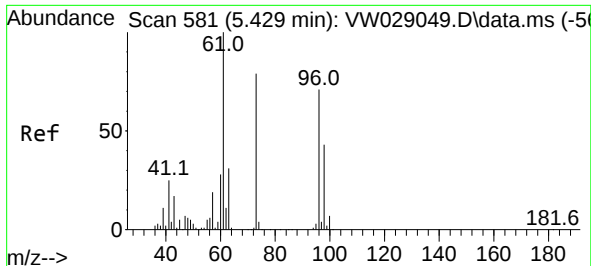
Tgt Ion: 43 Resp: 71095  
Ion Ratio Lower Upper  
43 100  
74 21.2 17.4 26.2



#16  
Methylene chloride  
Concen: 20.219 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 84 Resp: 162033  
Ion Ratio Lower Upper  
84 100  
86 61.4 43.8 81.4  
49 130.0 91.3 169.5

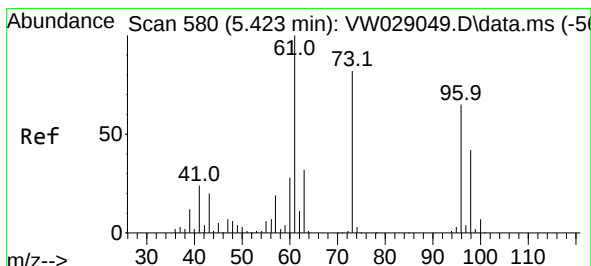
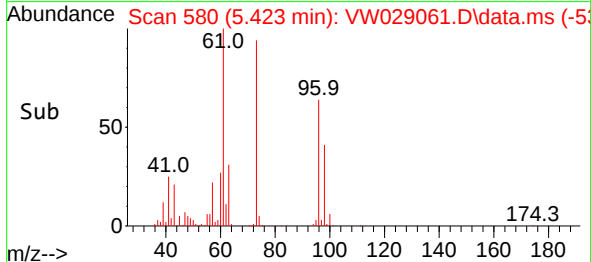
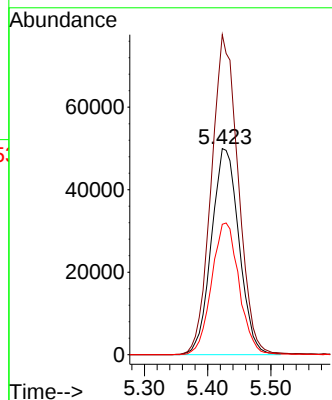
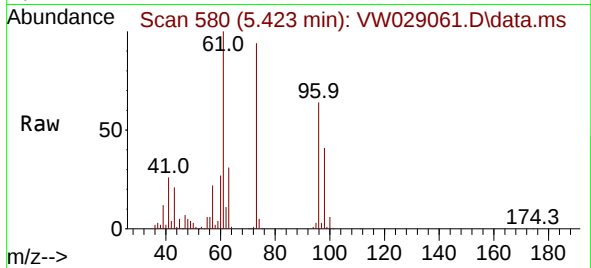




#17  
trans-1,2-Dichloroethene  
Concen: 20.579 ug/L  
RT: 5.423 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

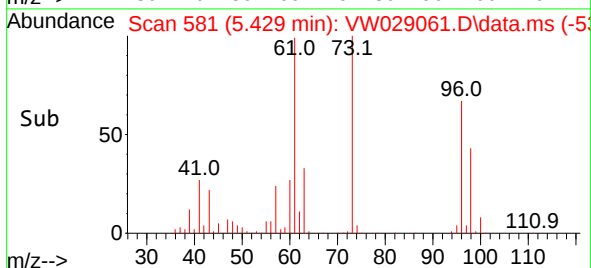
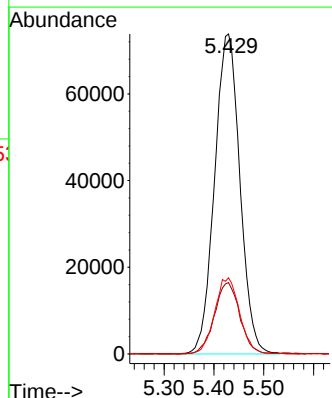
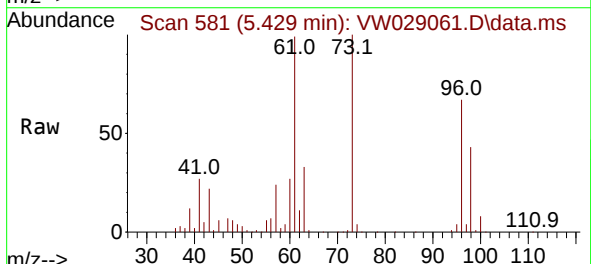
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

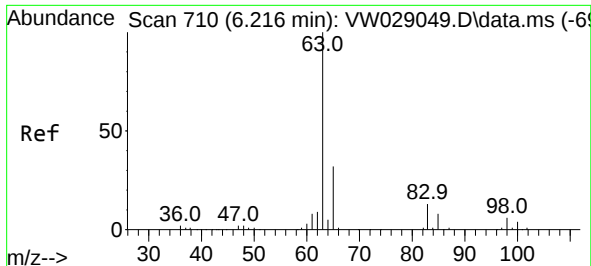
Tgt Ion: 96 Resp: 151437  
Ion Ratio Lower Upper  
96 100  
61 155.2 104.6 194.2  
98 63.3 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 25.368 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 73 Resp: 260322  
Ion Ratio Lower Upper  
73 100  
43 22.1 17.8 26.6  
57 23.5 18.4 27.6

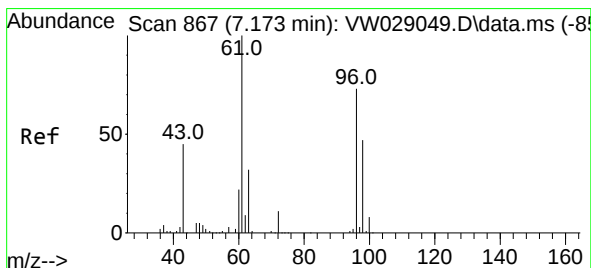
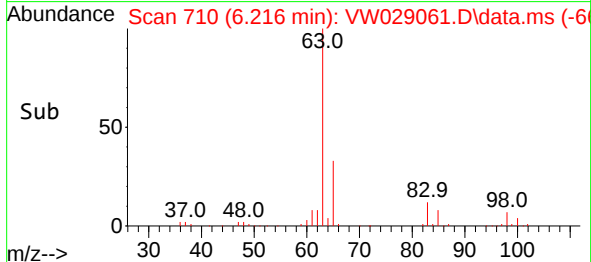
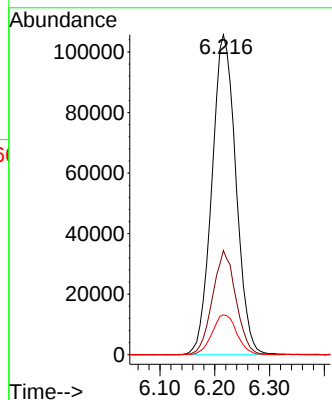
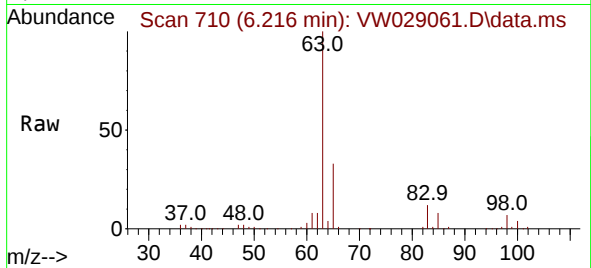




#19  
1,1-Dichloroethane  
Concen: 22.225 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

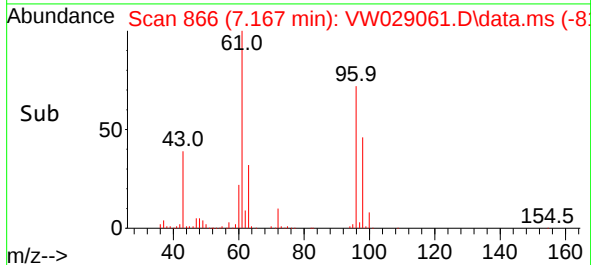
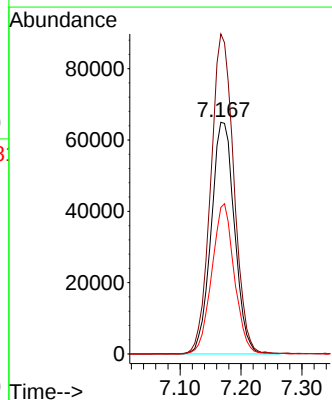
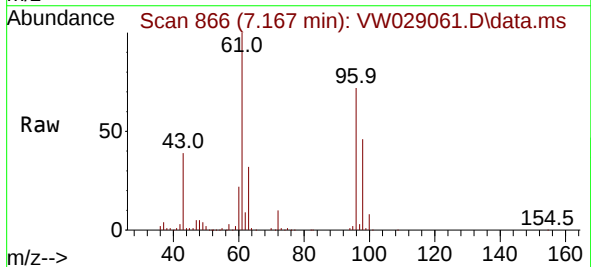
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

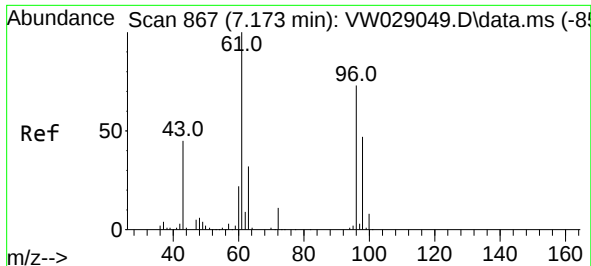
Tgt Ion: 63 Resp: 321548  
Ion Ratio Lower Upper  
63 100  
65 32.6 21.8 40.6  
83 12.5 8.8 16.3



#20  
cis-1,2-Dichloroethene  
Concen: 22.441 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 96 Resp: 173132  
Ion Ratio Lower Upper  
96 100  
61 138.1 92.9 172.5  
98 63.3 45.2 84.0

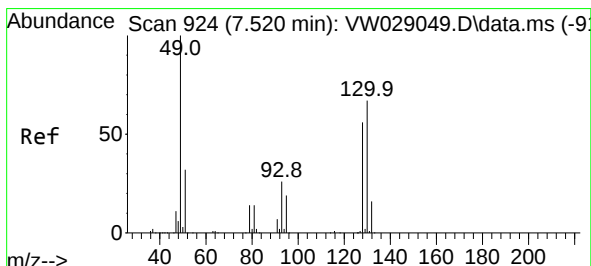
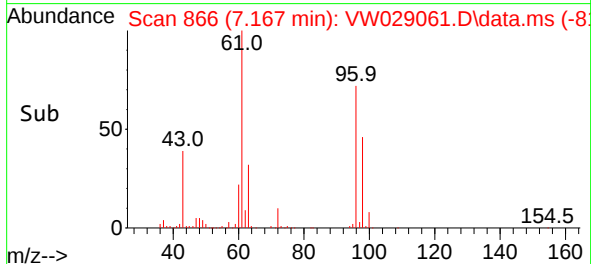
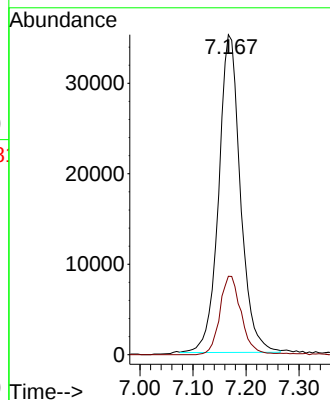
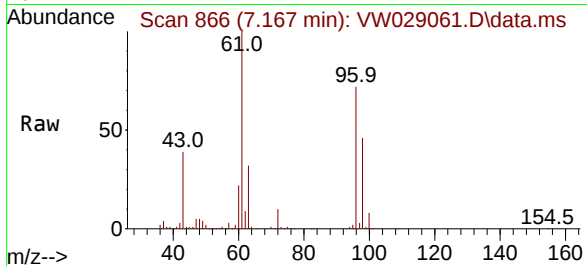




#22  
2-Butanone  
Concen: 45.777 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

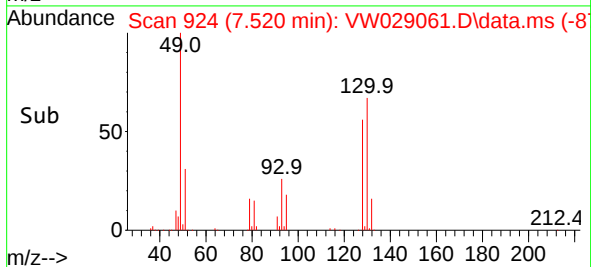
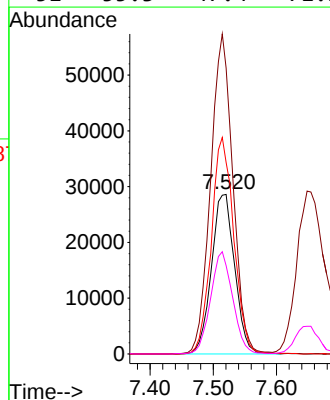
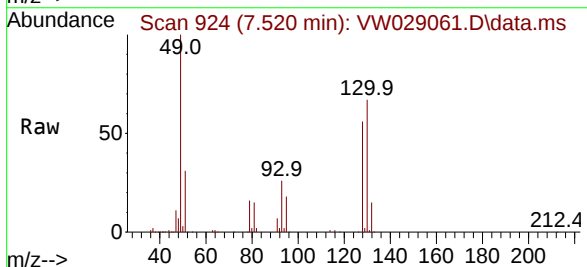
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

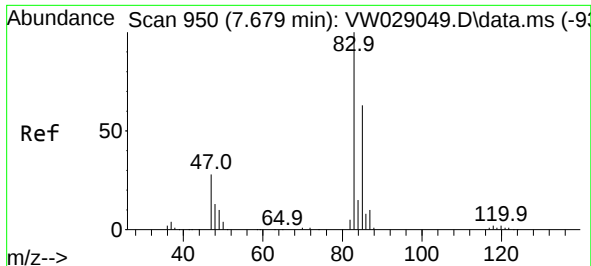
Tgt Ion: 43 Resp: 100189  
Ion Ratio Lower Upper  
43 100  
72 24.2 12.5 37.5



#23  
Bromochloromethane  
Concen: 21.663 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 128 Resp: 72954  
Ion Ratio Lower Upper  
128 100  
49 179.2 135.9 252.3  
130 120.1 89.0 165.2  
51 55.3 47.4 71.2

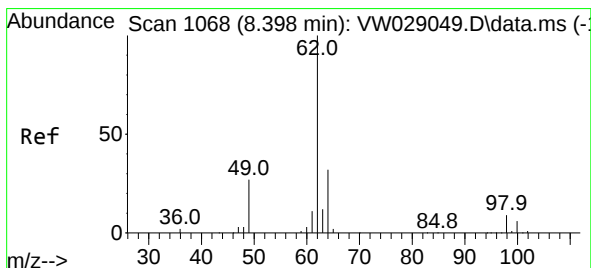
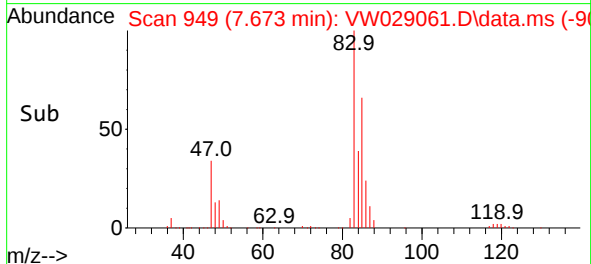
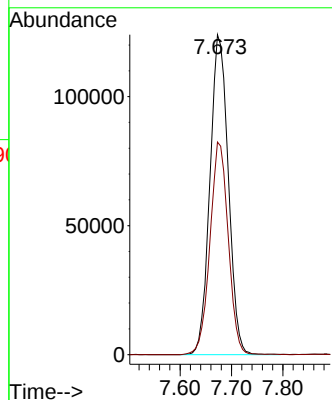
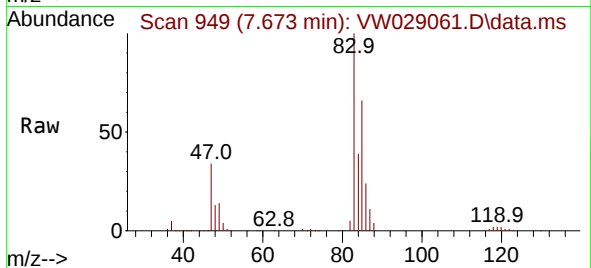




#25  
Chloroform  
Concen: 21.854 ug/L  
RT: 7.673 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

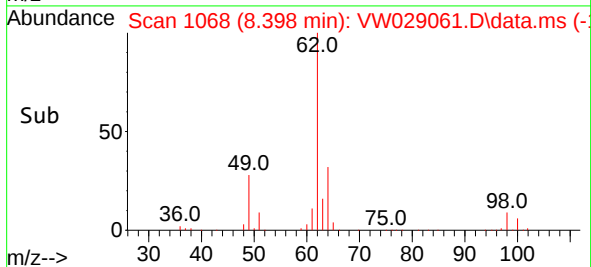
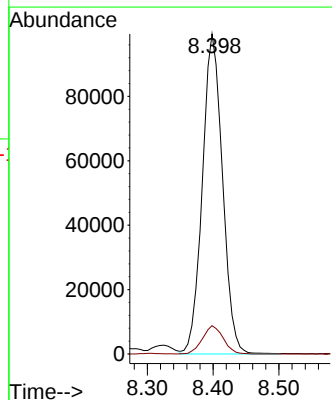
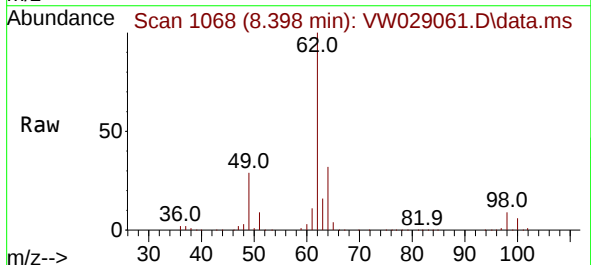
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

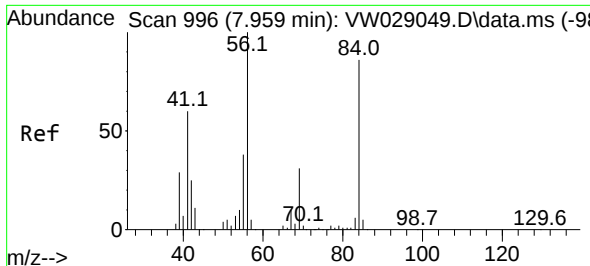
Tgt Ion: 83 Resp: 307090  
Ion Ratio Lower Upper  
83 100  
85 66.4 45.8 85.2



#27  
1,2-Dichloroethane  
Concen: 22.485 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 62 Resp: 211734  
Ion Ratio Lower Upper  
62 100  
98 8.8 7.1 10.7

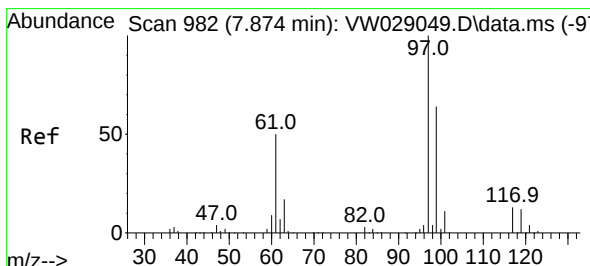
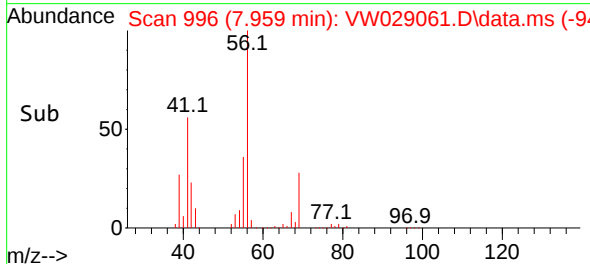
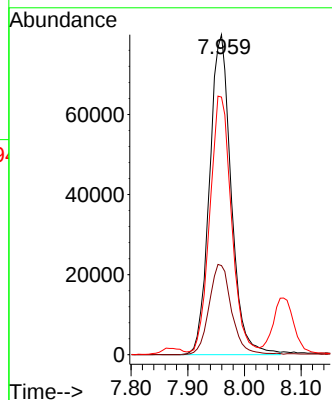
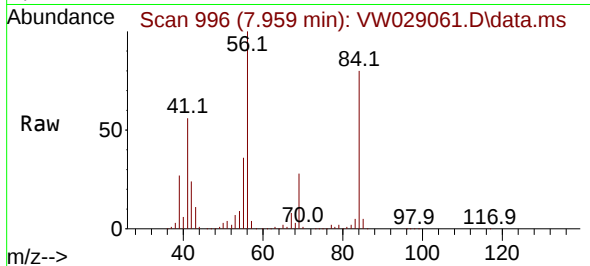




#29  
Cyclohexane  
Concen: 20.513 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

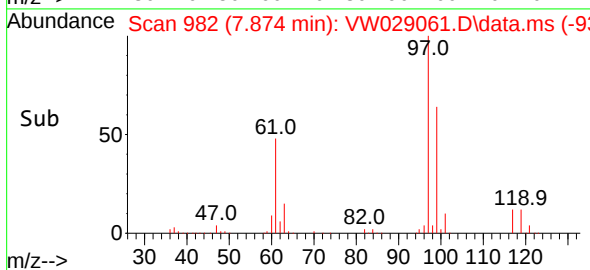
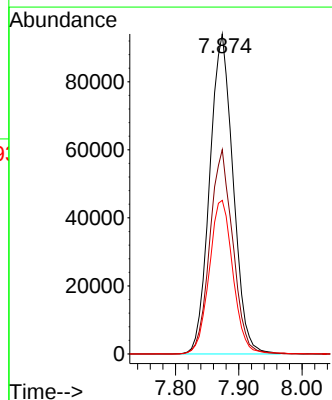
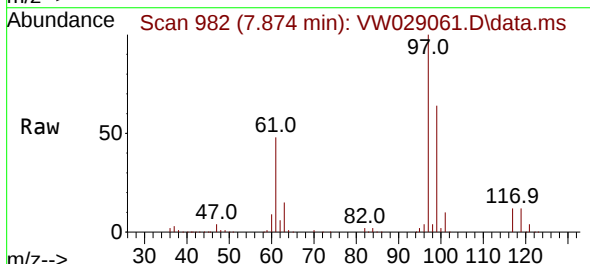
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

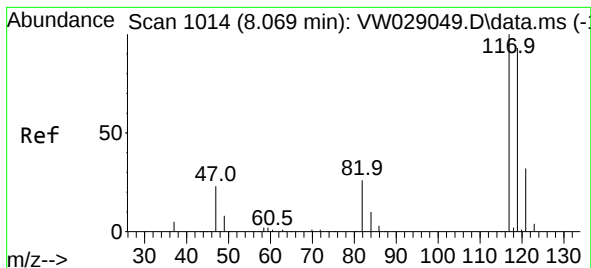
Tgt Ion: 56 Resp: 212309  
Ion Ratio Lower Upper  
56 100  
69 29.1 24.2 36.4  
84 80.9 65.4 98.2



#30  
1,1,1-Trichloroethane  
Concen: 25.055 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 97 Resp: 241661  
Ion Ratio Lower Upper  
97 100  
99 62.7 51.6 77.4  
61 48.5 39.6 59.4





#31

Carbon tetrachloride

Concen: 22.911 ug/L

RT: 8.063 min Scan# 1013

Delta R.T. -0.006 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

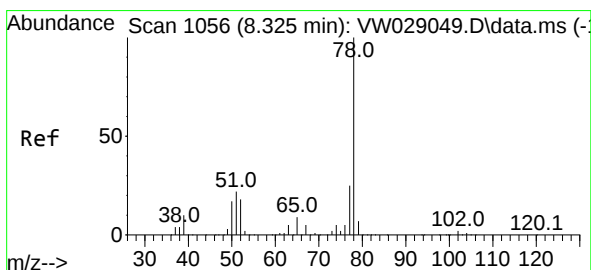
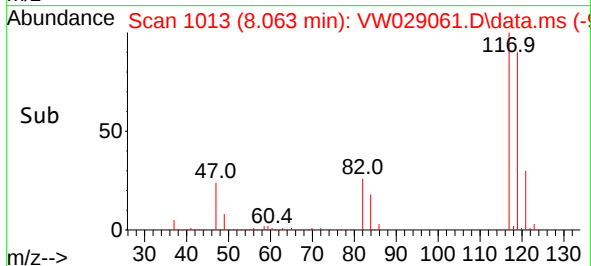
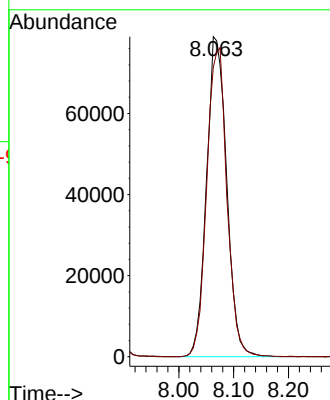
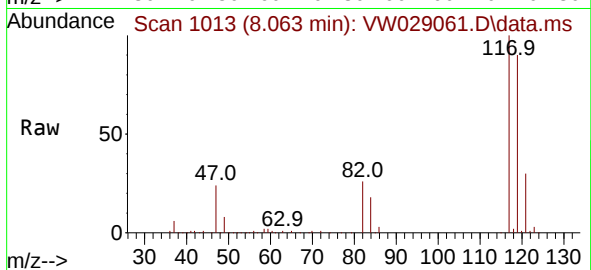
A4B87MS

Tgt Ion:117 Resp: 201281

Ion Ratio Lower Upper

117 100

119 96.6 78.8 118.2



#33

Benzene

Concen: 25.926 ug/L

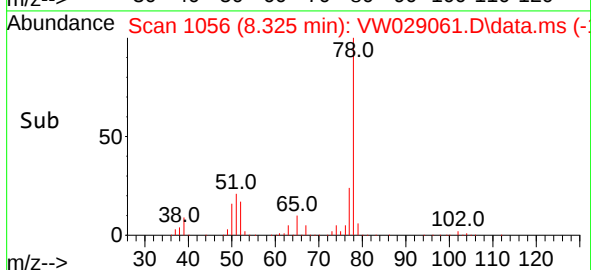
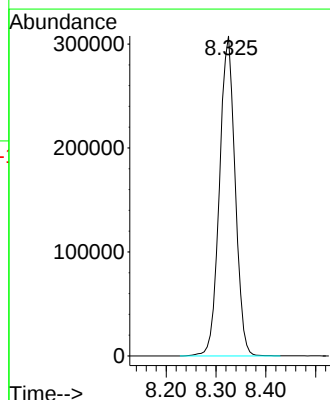
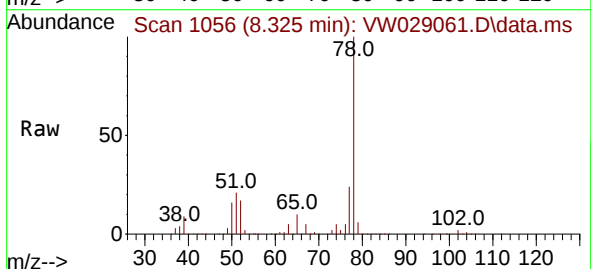
RT: 8.325 min Scan# 1056

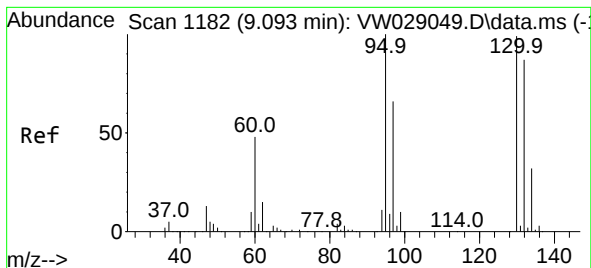
Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Tgt Ion: 78 Resp: 671076





#34

Trichloroethene

Concen: 24.167 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

A4B87MS

Tgt Ion: 95 Resp: 164458

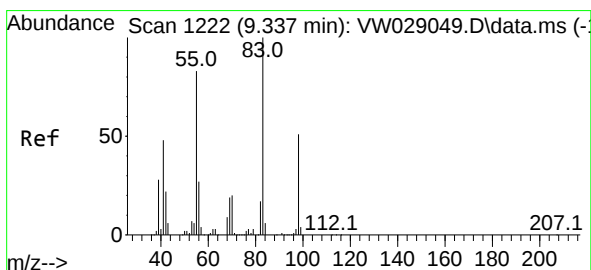
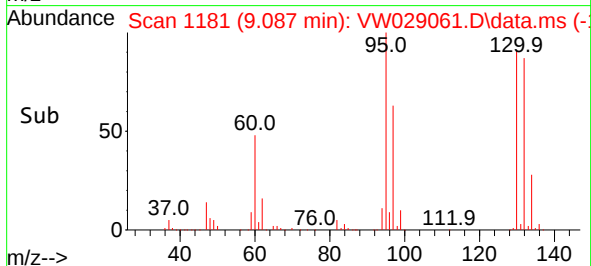
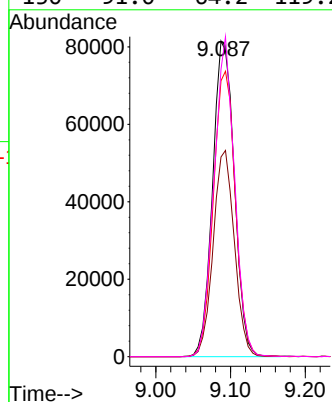
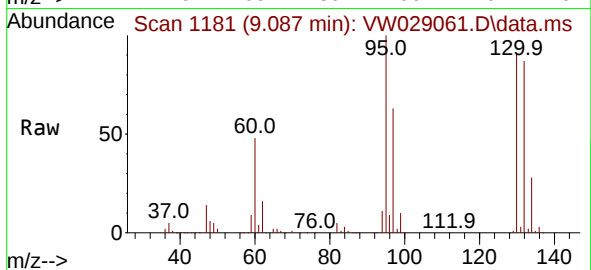
Ion Ratio Lower Upper

95 100

97 63.2 41.9 77.7

132 87.4 60.1 111.5

130 91.0 64.2 119.2



#35

Methylcyclohexane

Concen: 14.009 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

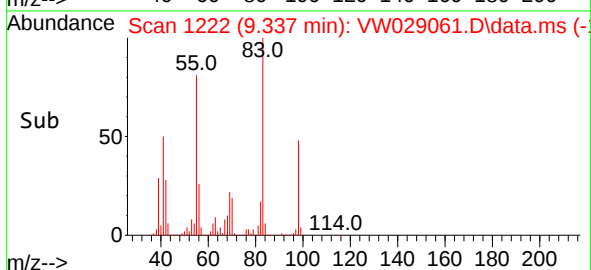
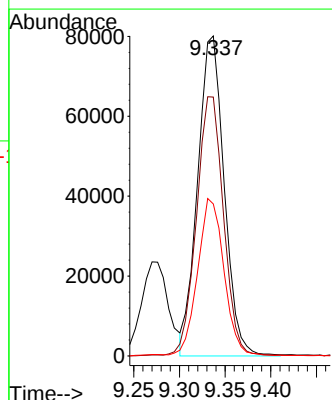
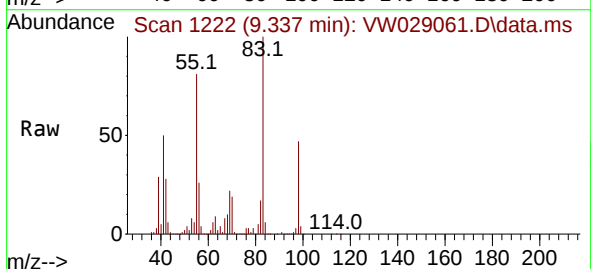
Tgt Ion: 83 Resp: 161718

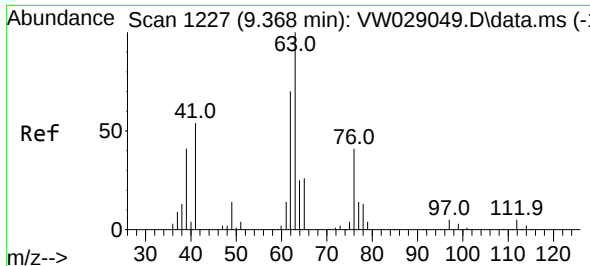
Ion Ratio Lower Upper

83 100

55 81.7 65.8 98.6

98 49.0 38.4 57.6





#37

1,2-Dichloropropane

Concen: 26.291 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

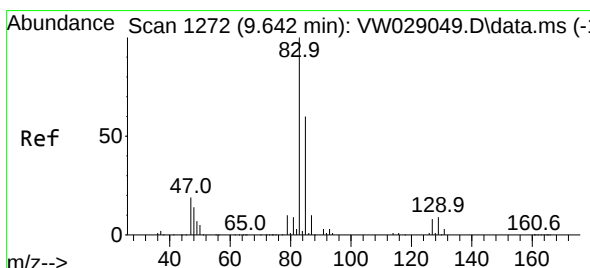
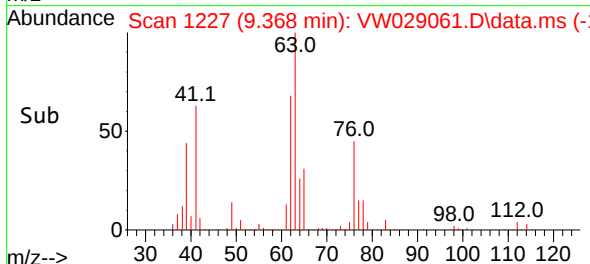
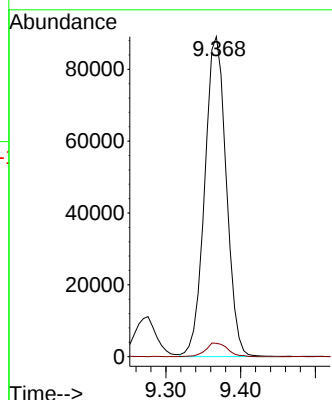
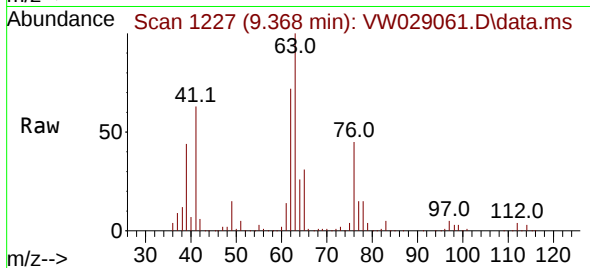
A4B87MS

Tgt Ion: 63 Resp: 178207

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



#38

Bromodichloromethane

Concen: 25.224 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

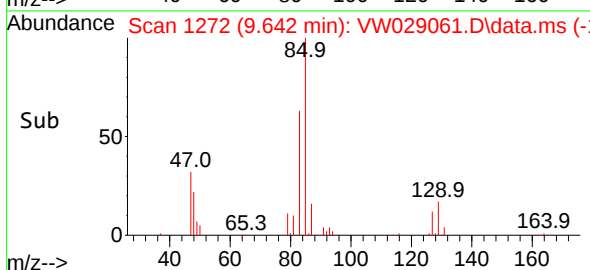
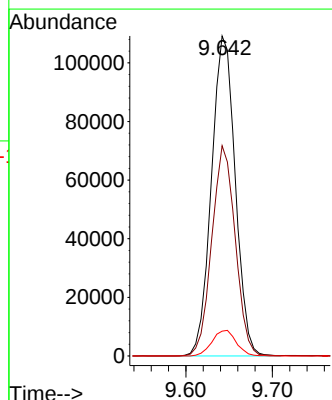
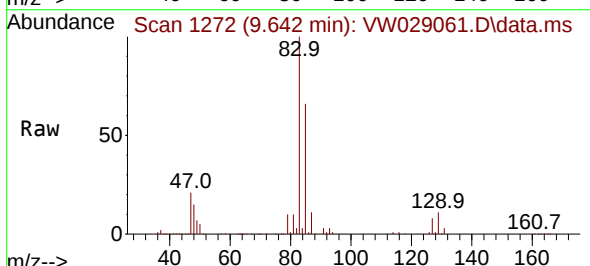
Tgt Ion: 83 Resp: 208518

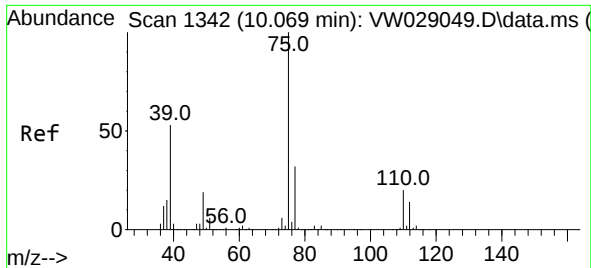
Ion Ratio Lower Upper

83 100

85 65.7 43.9 81.5

127 7.8 5.4 8.2

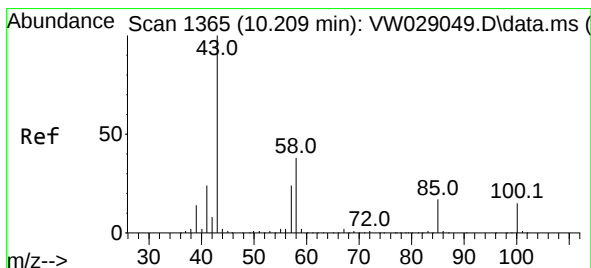
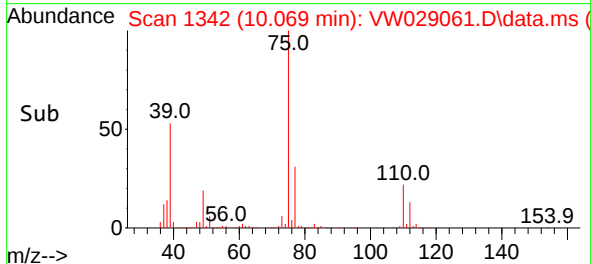
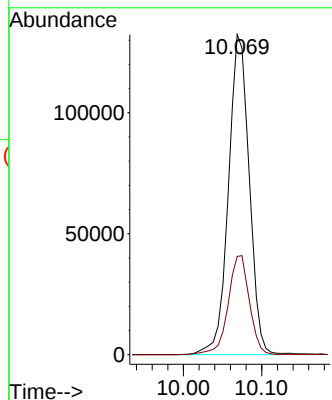
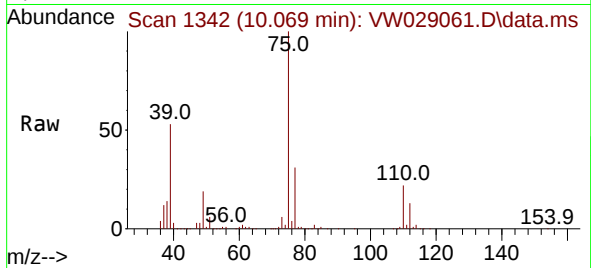




#39  
cis-1,3-Dichloropropene  
Concen: 24.752 ug/L  
RT: 10.069 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

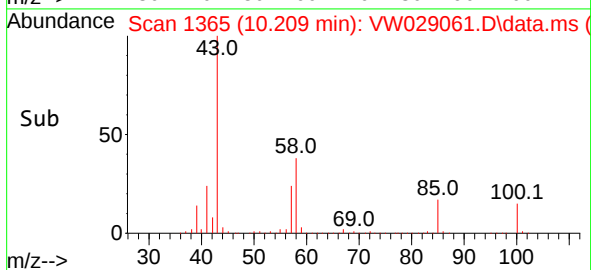
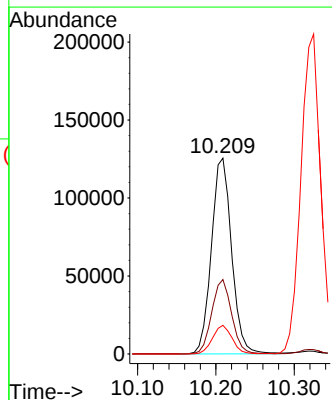
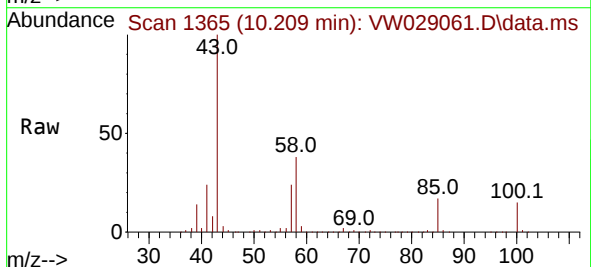
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

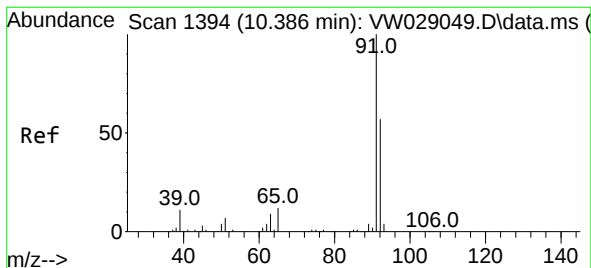
Tgt Ion: 75 Resp: 243825  
Ion Ratio Lower Upper  
75 100  
77 30.7 21.0 39.0



#40  
4-Methyl-2-pentanone  
Concen: 65.288 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 43 Resp: 225093  
Ion Ratio Lower Upper  
43 100  
58 37.5 30.3 45.5  
100 14.1 10.7 16.1





#42

Toluene

Concen: 24.406 ug/L

RT: 10.386 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

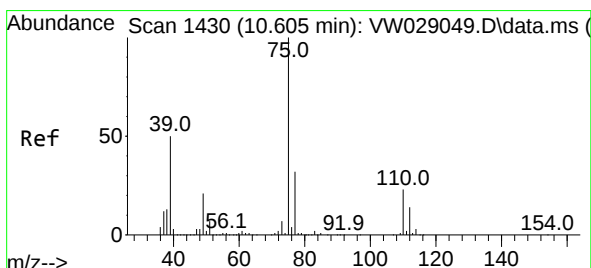
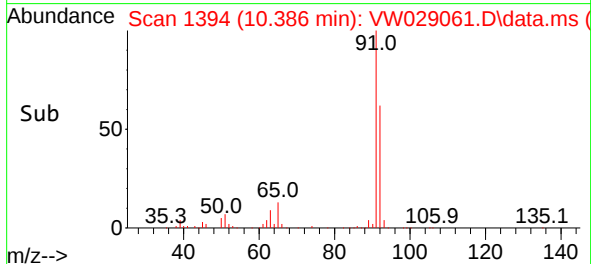
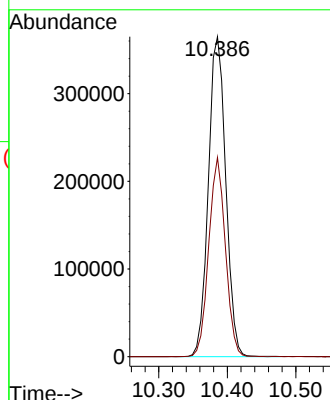
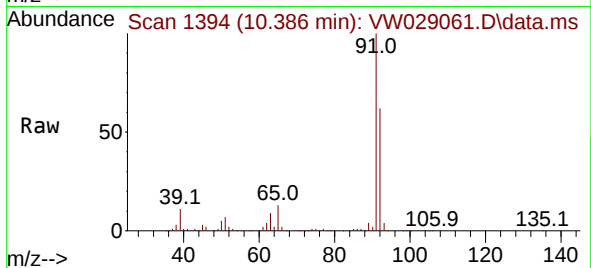
A4B87MS

Tgt Ion: 91 Resp: 645350

Ion Ratio Lower Upper

91 100

92 62.2 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 24.705 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029061.D

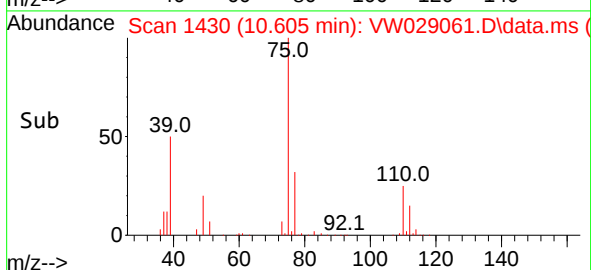
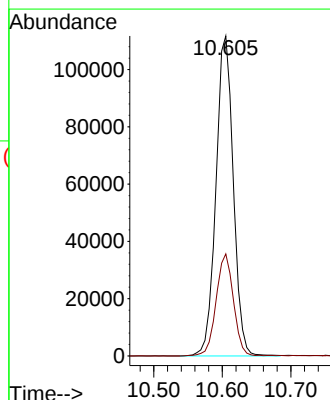
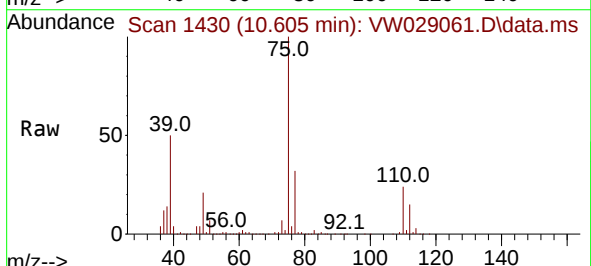
Acq: 07 Jun 2024 14:41

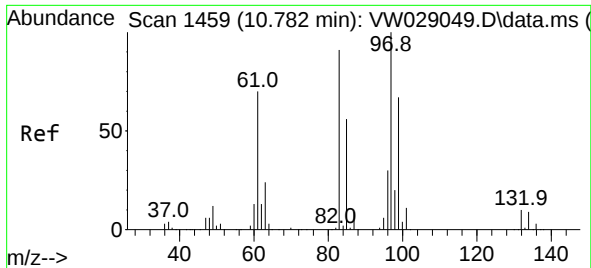
Tgt Ion: 75 Resp: 196197

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8



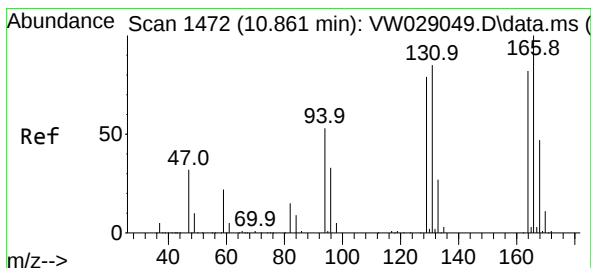
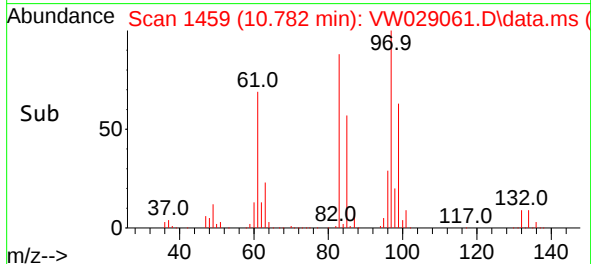
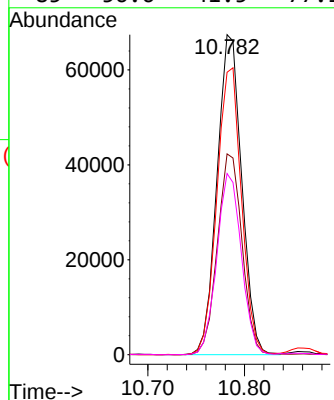
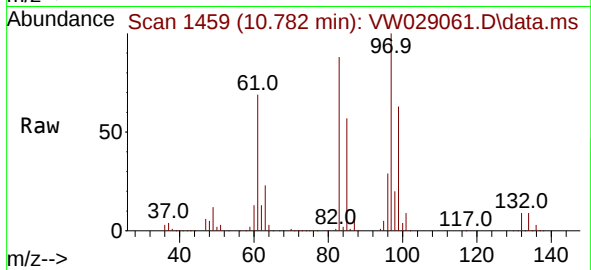


#45  
1,1,2-Trichloroethane  
Concen: 26.127 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

Tgt Ion: 97 Resp: 119604

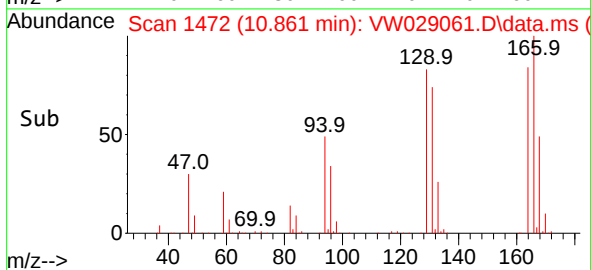
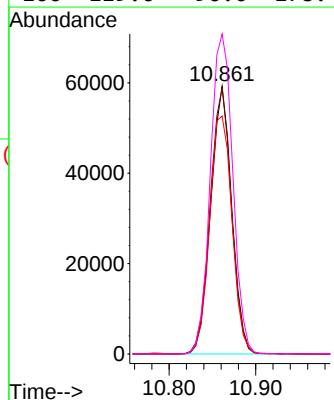
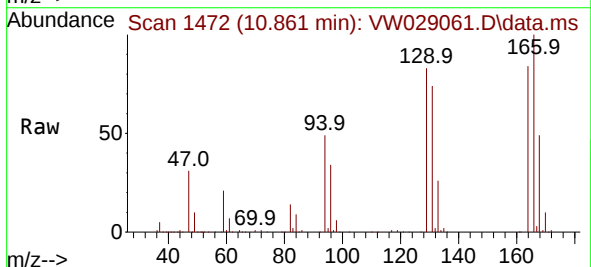
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.8  | 41.8  | 77.6  |
| 83  | 88.2  | 62.4  | 115.8 |
| 85  | 56.6  | 41.5  | 77.1  |

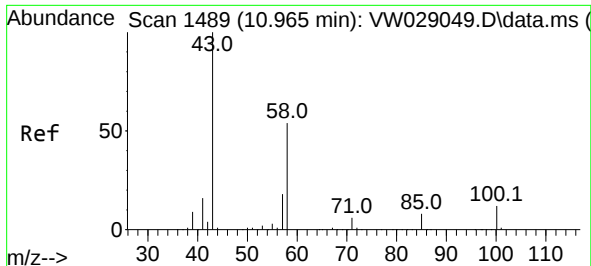


#46  
Tetrachloroethene  
Concen: 19.293 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 164 Resp: 99747

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.5  | 69.4  | 128.8 |
| 131 | 88.9  | 71.0  | 131.9 |
| 166 | 119.6 | 96.0  | 178.4 |

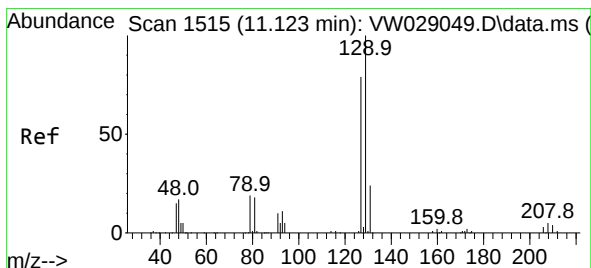
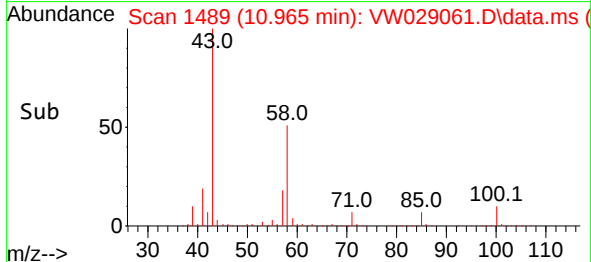
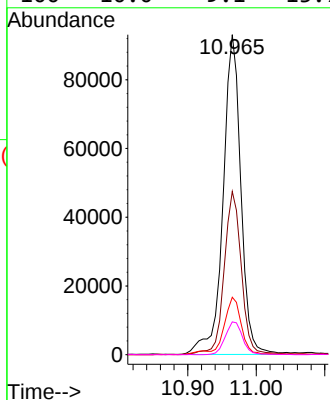
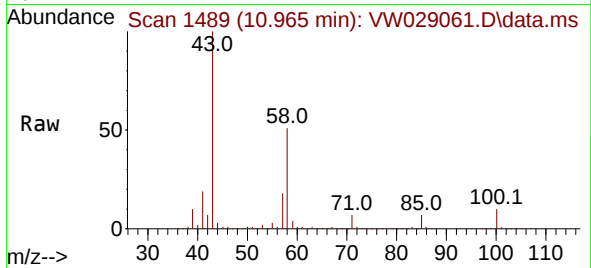




#48  
2-Hexanone  
Concen: 64.800 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

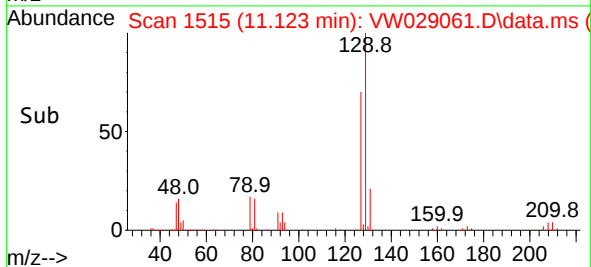
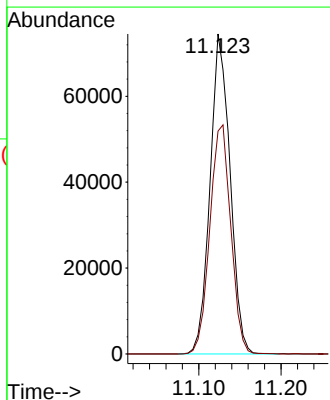
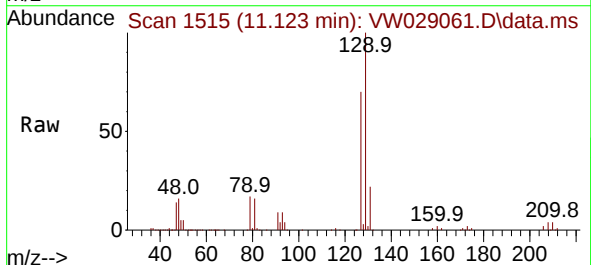
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

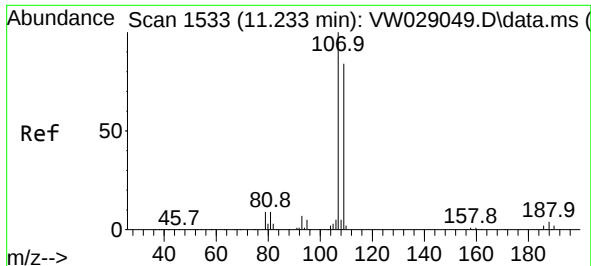
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 167502 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 49.3  | 41.4  | 62.0   |
| 57       | 16.3  | 14.2  | 21.4   |
| 100      | 10.0  | 9.1   | 13.7   |



#49  
Dibromochloromethane  
Concen: 26.073 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 126068 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 69.7  | 56.5  | 104.9  |





#50

1,2-Dibromoethane

Concen: 25.582 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

A4B87MS

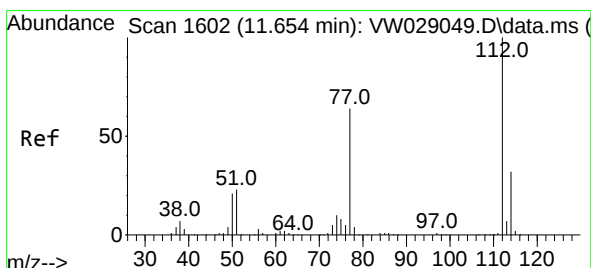
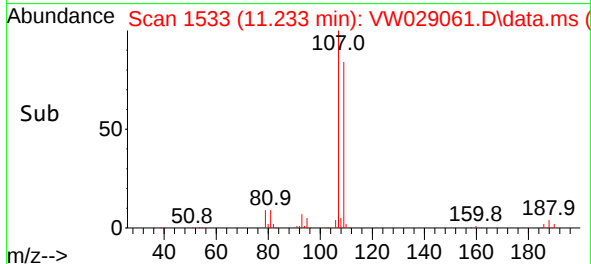
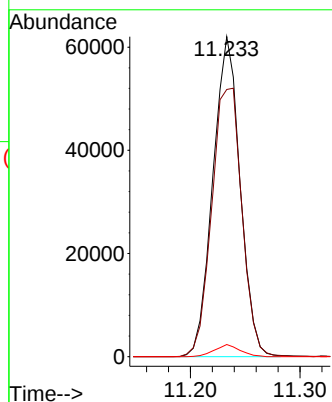
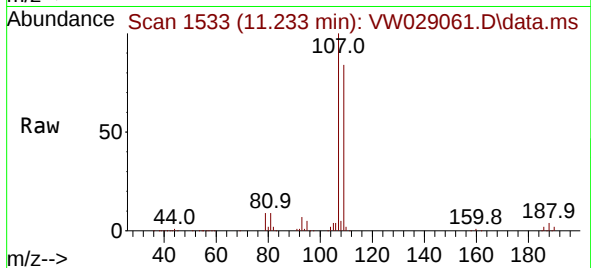
Tgt Ion:107 Resp: 106904

Ion Ratio Lower Upper

107 100

109 83.5 67.9 126.1

188 3.8 3.0 4.4



#51

Chlorobenzene

Concen: 21.462 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

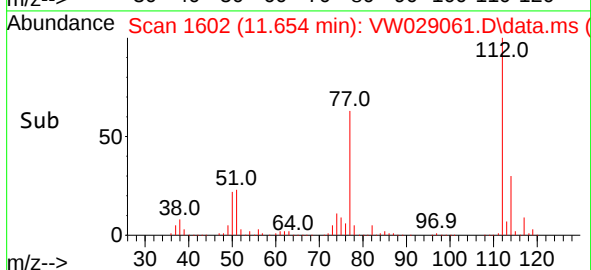
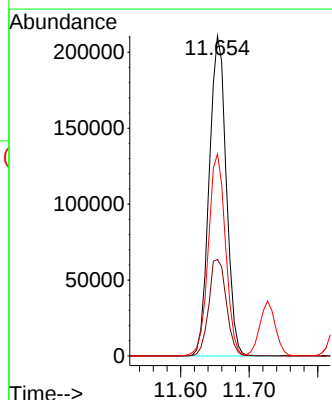
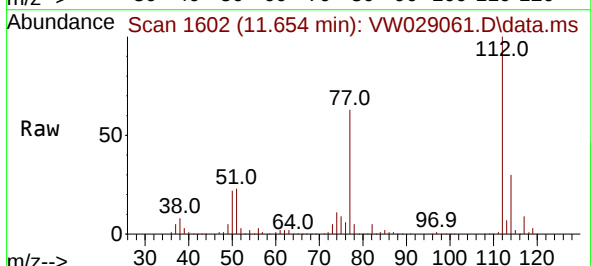
Tgt Ion:112 Resp: 364547

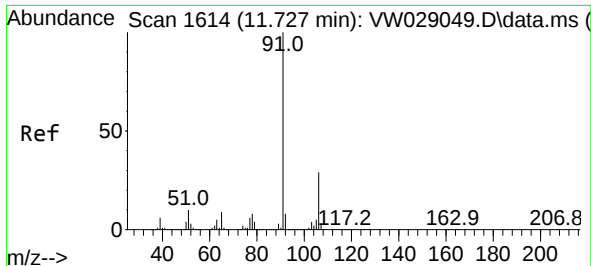
Ion Ratio Lower Upper

112 100

114 30.2 23.7 44.1

77 63.1 51.7 77.5

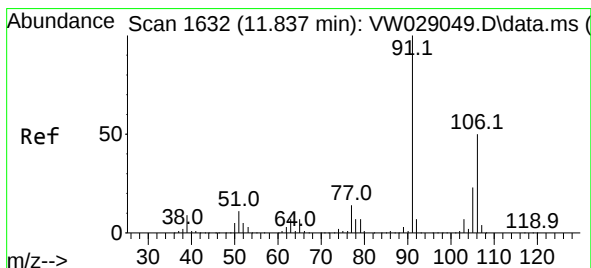
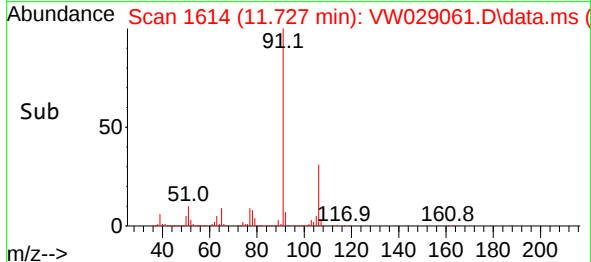
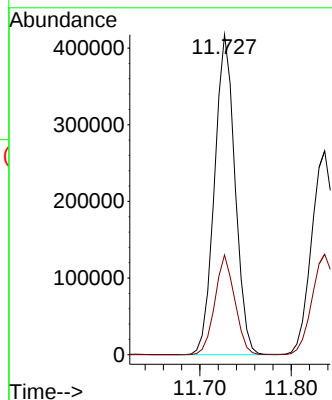
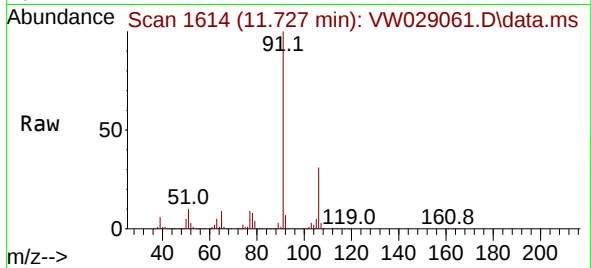




#52  
Ethylbenzene  
Concen: 21.633 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

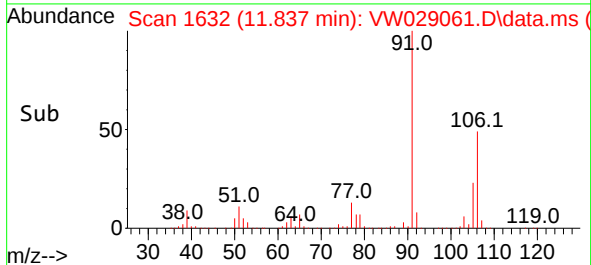
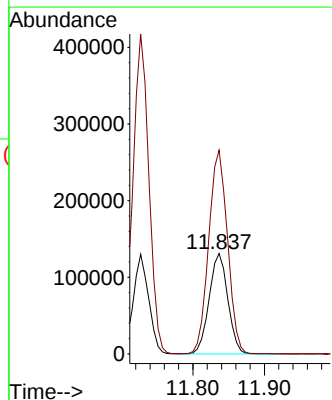
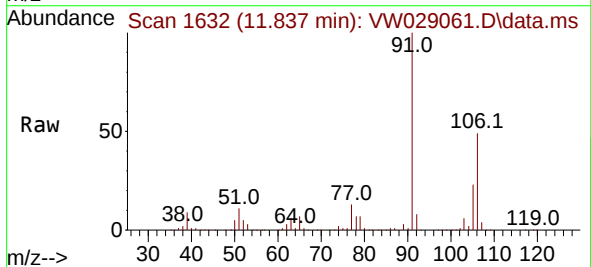
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

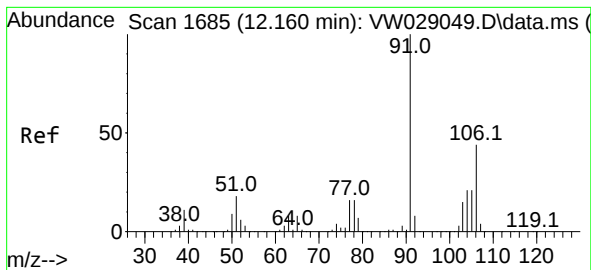
Tgt Ion: 91 Resp: 649919  
Ion Ratio Lower Upper  
91 100  
106 31.1 19.9 37.0



#53  
m,p-Xylene  
Concen: 21.348 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 106 Resp: 237560  
Ion Ratio Lower Upper  
106 100  
91 202.9 152.0 282.2





#54

o-Xylene

Concen: 22.269 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

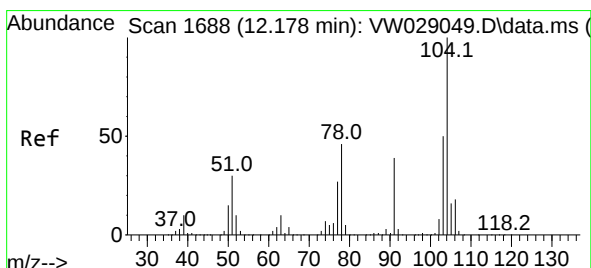
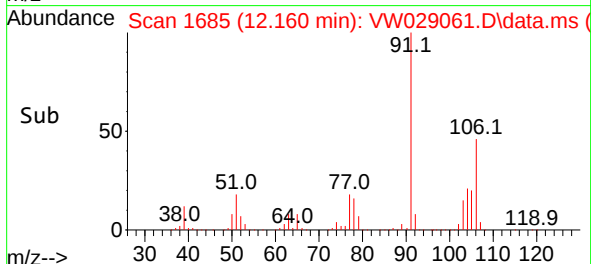
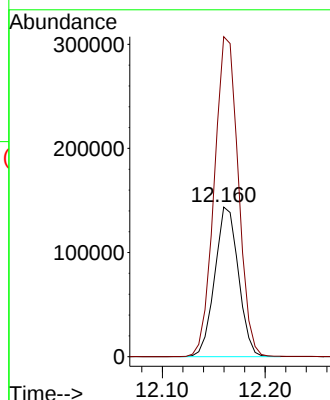
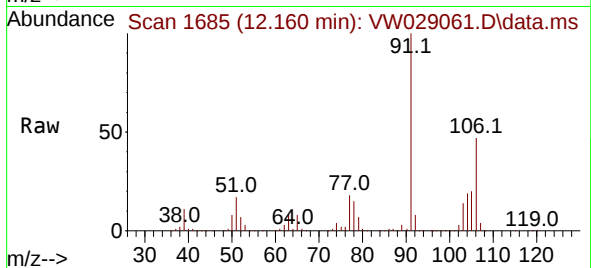
A4B87MS

Tgt Ion:106 Resp: 229452

Ion Ratio Lower Upper

106 100

91 213.9 152.5 283.3



#55

Styrene

Concen: 20.323 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW029061.D

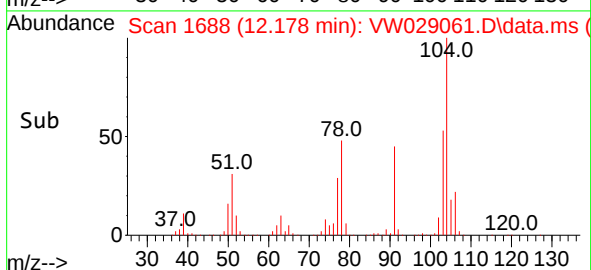
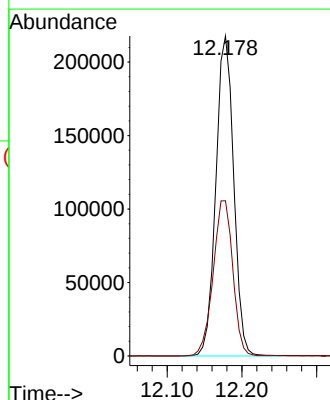
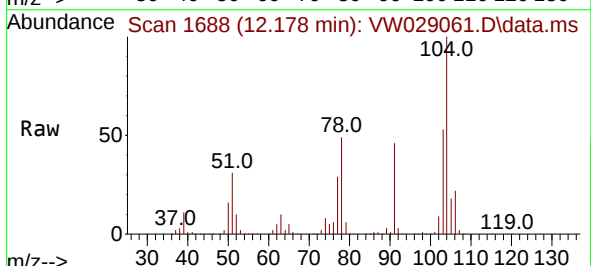
Acq: 07 Jun 2024 14:41

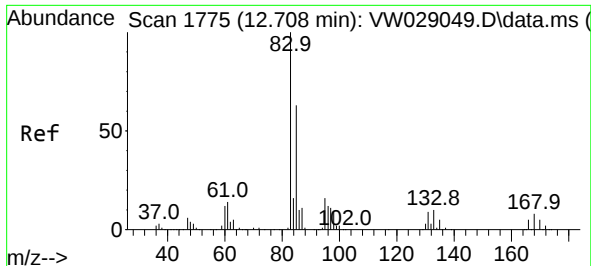
Tgt Ion:104 Resp: 361030

Ion Ratio Lower Upper

104 100

78 48.5 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 24.868 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

A4B87MS

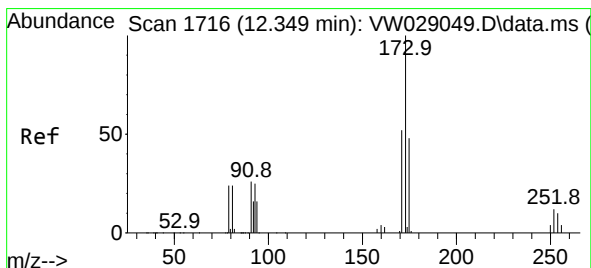
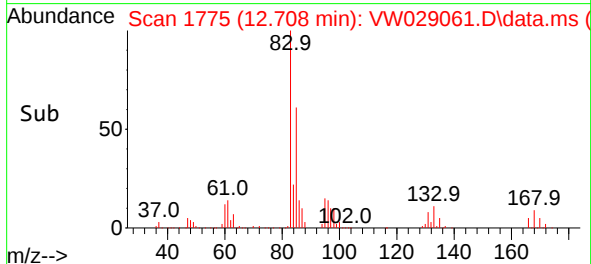
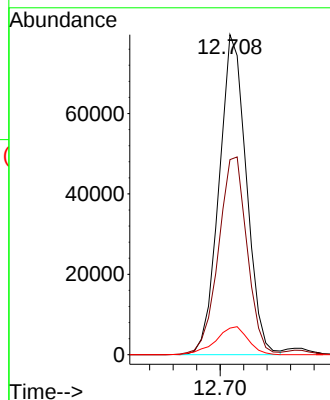
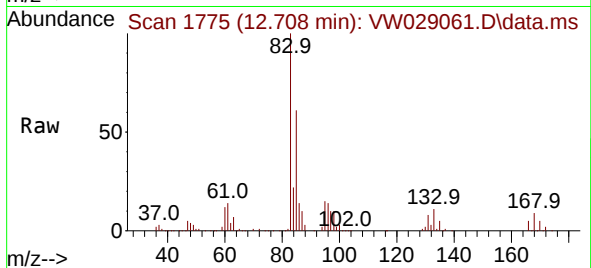
Tgt Ion: 83 Resp: 128515

Ion Ratio Lower Upper

83 100

85 61.0 43.8 81.3

131 8.3 7.3 10.9



#59

Bromoform

Concen: 36.023 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

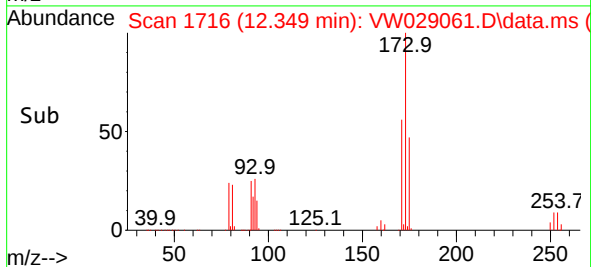
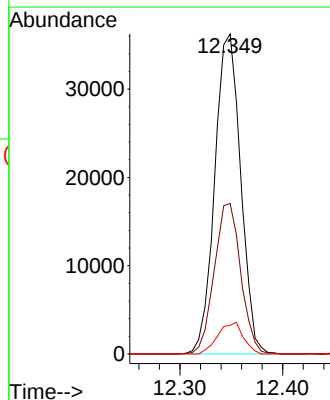
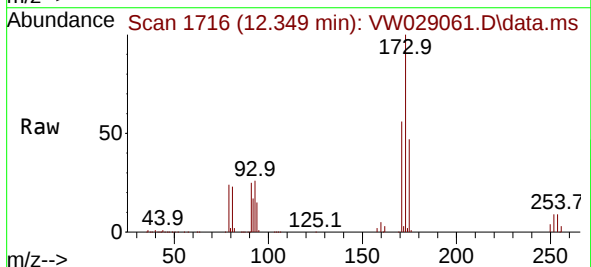
Tgt Ion: 173 Resp: 63462

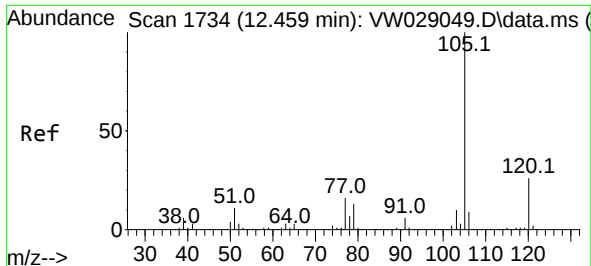
Ion Ratio Lower Upper

173 100

175 48.0 38.1 57.1

254 9.7 8.2 12.2

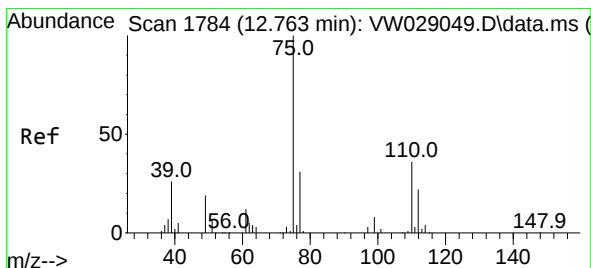
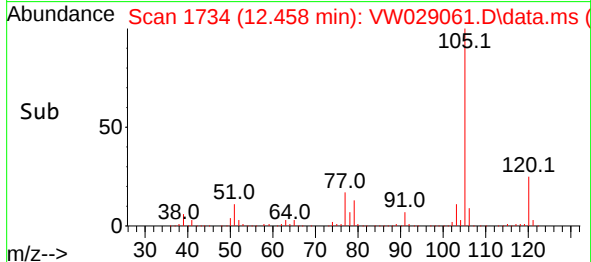
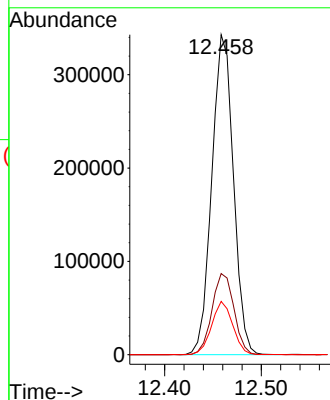
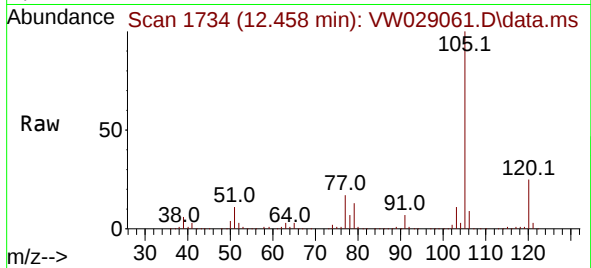




#60  
Isopropylbenzene  
Concen: 27.457 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

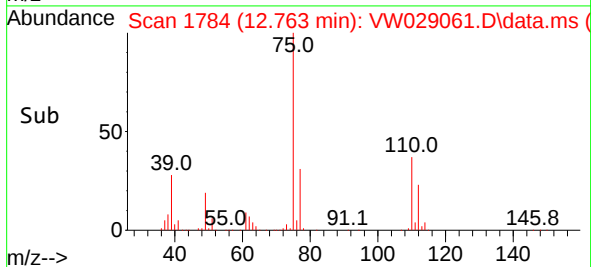
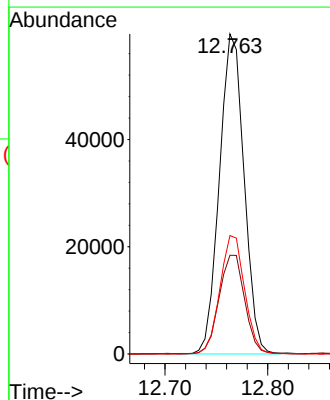
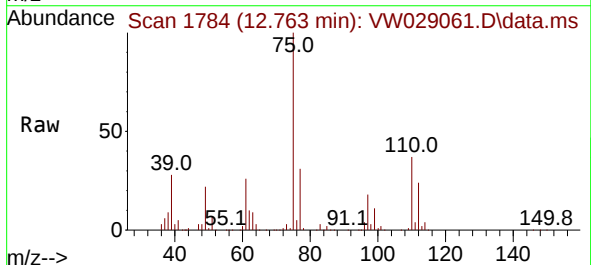
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

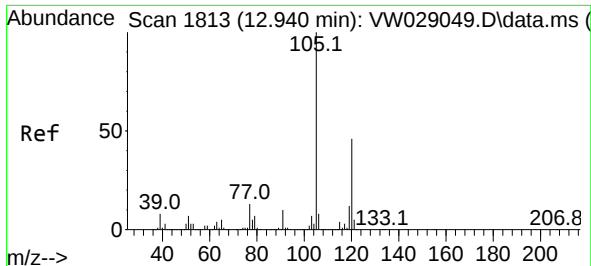
Tgt Ion:105 Resp: 532372  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.7 31.1  
77 16.3 13.5 20.3



#61  
1,2,3-Trichloropropane  
Concen: 38.454 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion: 75 Resp: 99374  
Ion Ratio Lower Upper  
75 100  
77 32.1 26.3 39.5  
110 37.1 29.4 44.0

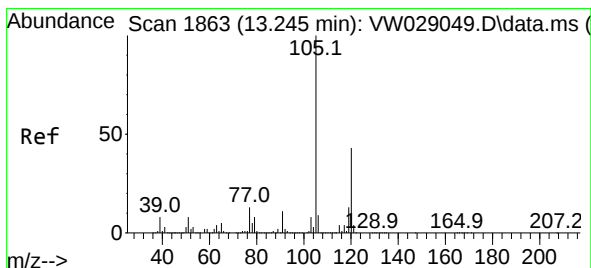
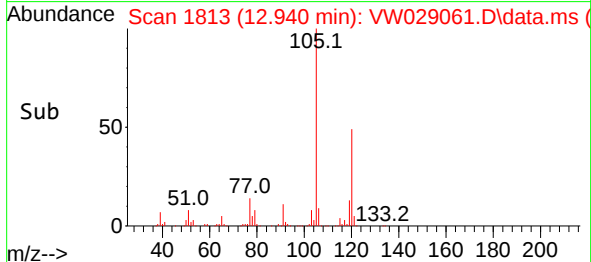
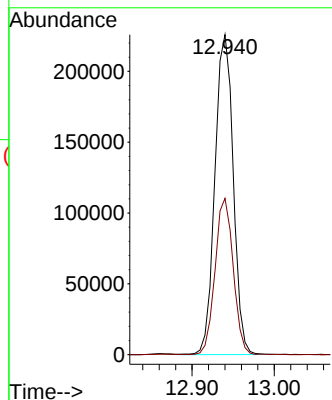
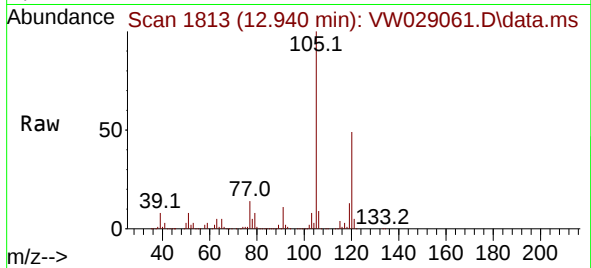




#62  
1,3,5-Trimethylbenzene  
Concen: 24.800 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

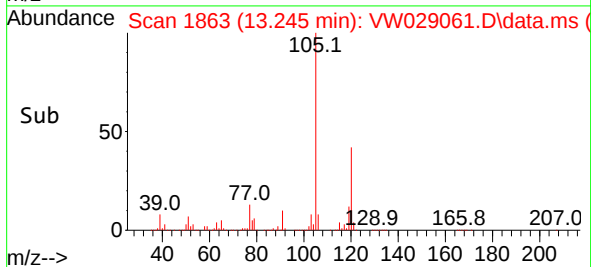
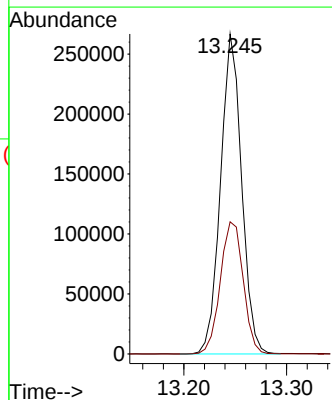
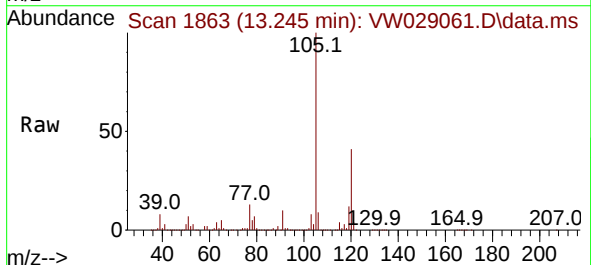
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

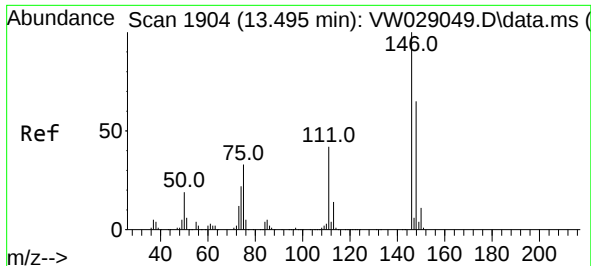
Tgt Ion:105 Resp: 349728  
Ion Ratio Lower Upper  
105 100  
120 48.5 38.4 57.6



#63  
1,2,4-Trimethylbenzene  
Concen: 25.446 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion:105 Resp: 379239  
Ion Ratio Lower Upper  
105 100  
120 45.0 35.8 53.8

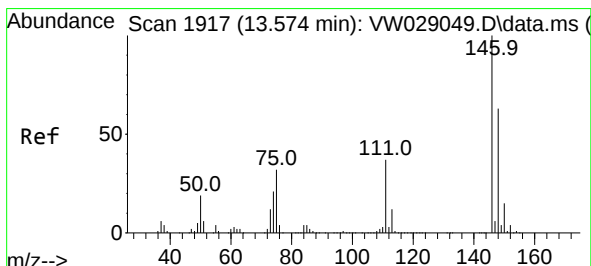
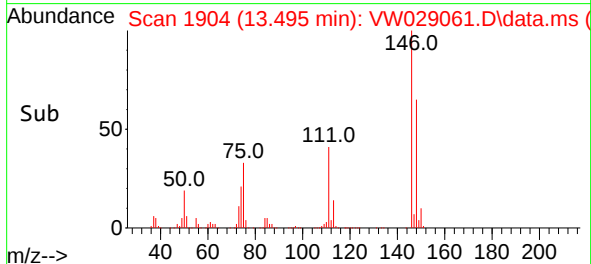
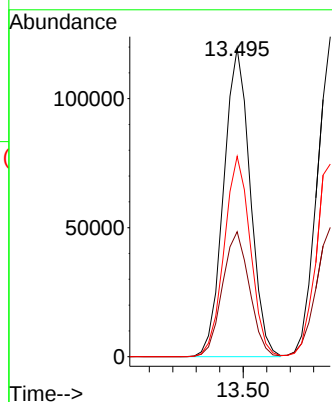
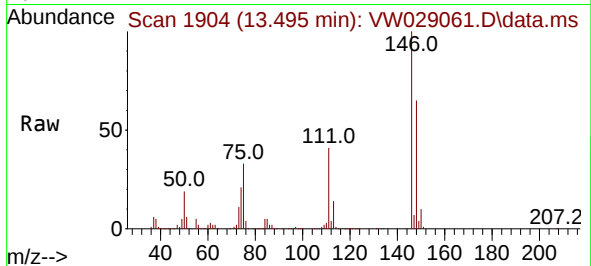




#64  
1,3-Dichlorobenzene  
Concen: 22.446 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

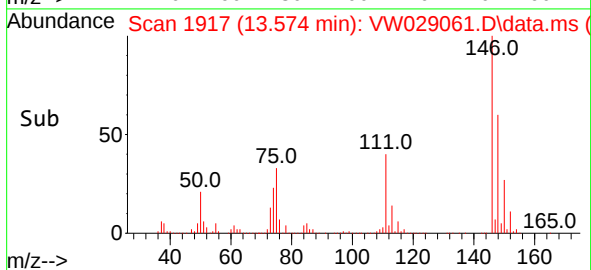
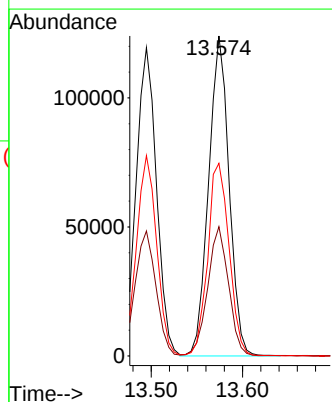
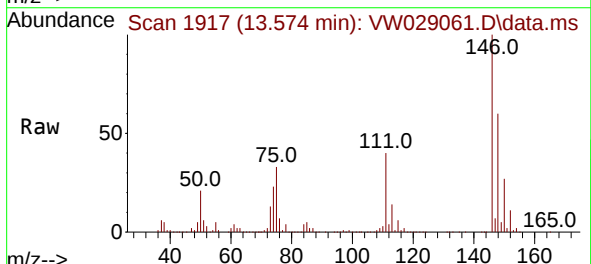
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4B87MS

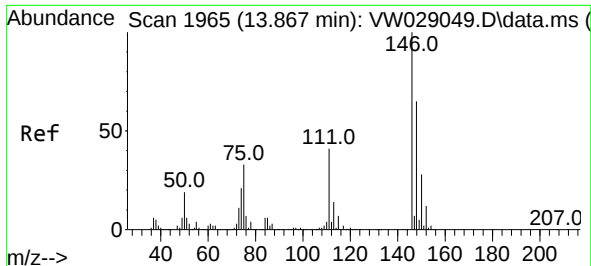
Tgt Ion:146 Resp: 187024  
Ion Ratio Lower Upper  
146 100  
111 40.5 29.4 54.6  
148 65.0 42.5 78.9



#65  
1,4-Dichlorobenzene  
Concen: 22.140 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW029061.D  
Acq: 07 Jun 2024 14:41

Tgt Ion:146 Resp: 192672  
Ion Ratio Lower Upper  
146 100  
111 40.4 27.5 51.1  
148 60.2 39.5 73.3





#67

1,2-Dichlorobenzene

Concen: 22.160 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

A4B87MS

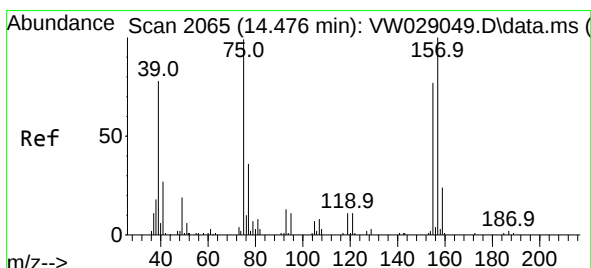
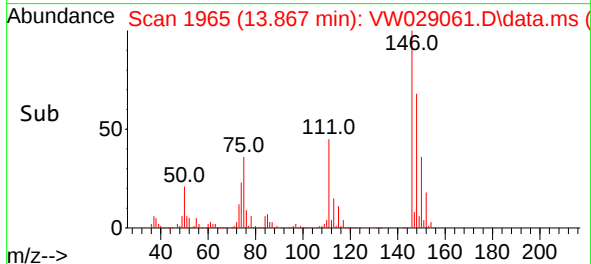
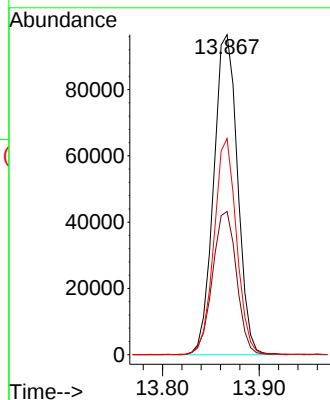
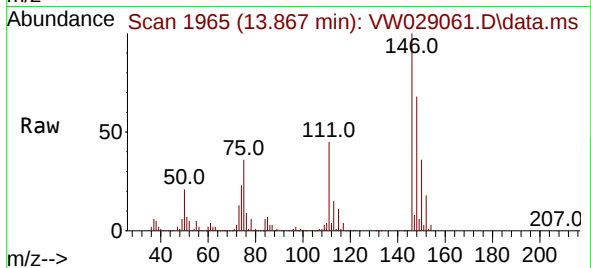
Tgt Ion:146 Resp: 165491

Ion Ratio Lower Upper

146 100

111 44.7 32.8 49.2

148 67.5 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 34.592 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

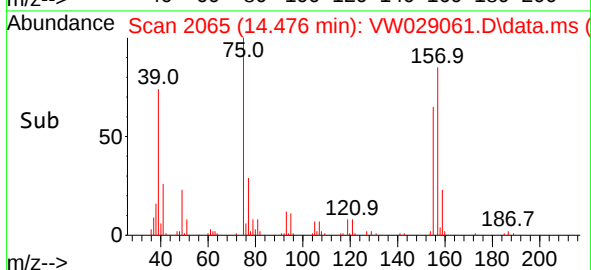
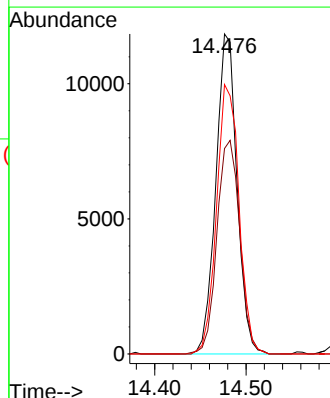
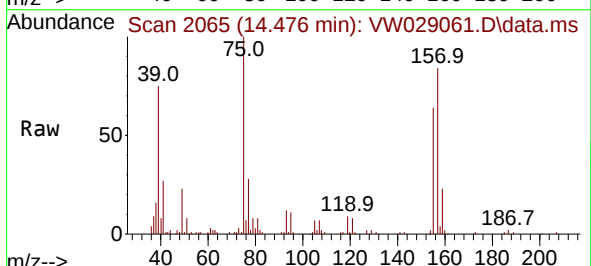
Tgt Ion: 75 Resp: 19054

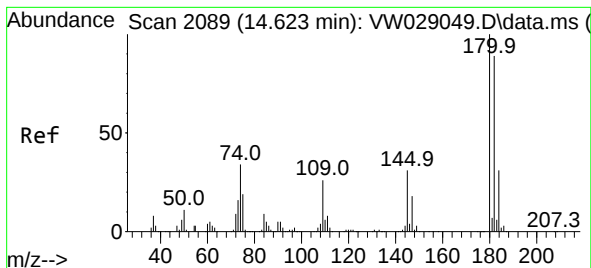
Ion Ratio Lower Upper

75 100

155 64.2 52.3 78.5

157 84.2 71.0 106.4





#69

1,3,5-Trichlorobenzene

Concen: 13.295 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

A4B87MS

Tgt Ion:180 Resp: 76059

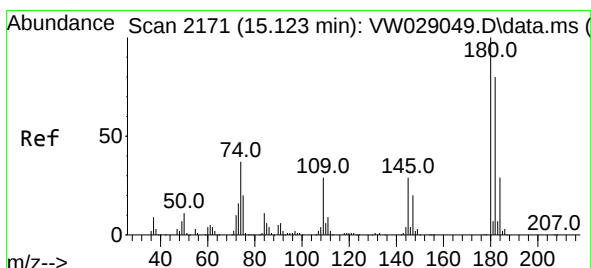
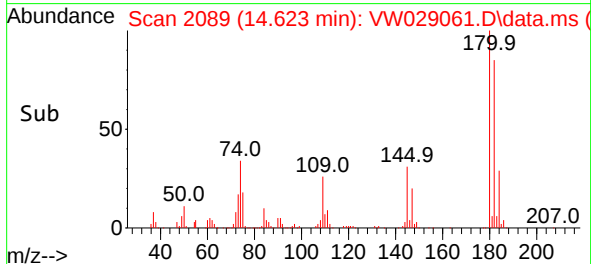
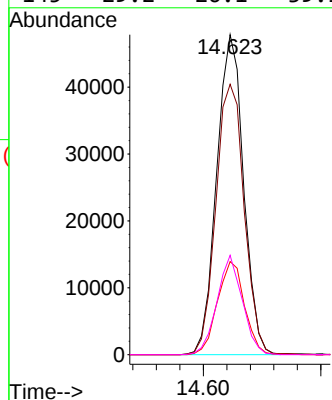
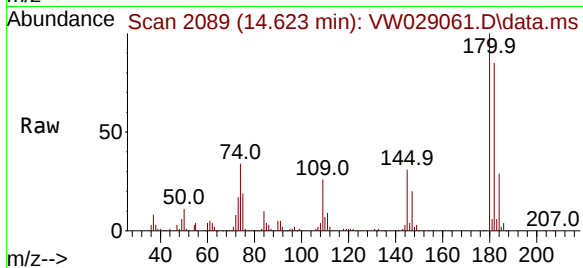
Ion Ratio Lower Upper

180 100

182 88.9 77.4 116.0

184 29.3 24.6 36.8

145 29.2 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 11.238 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

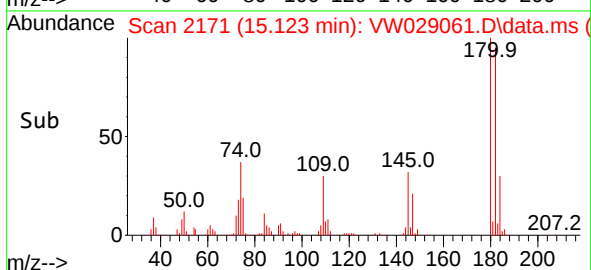
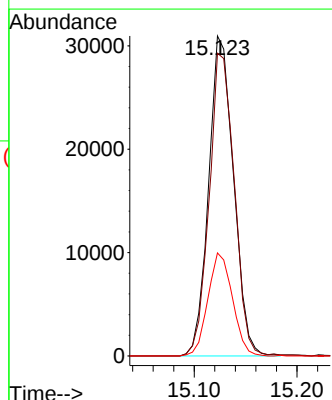
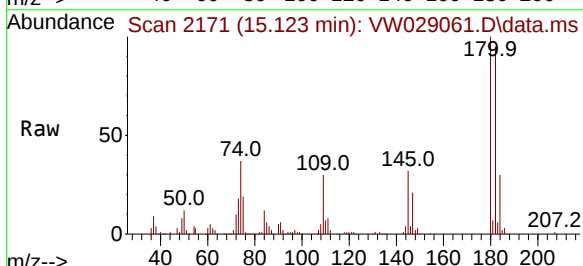
Tgt Ion:180 Resp: 52108

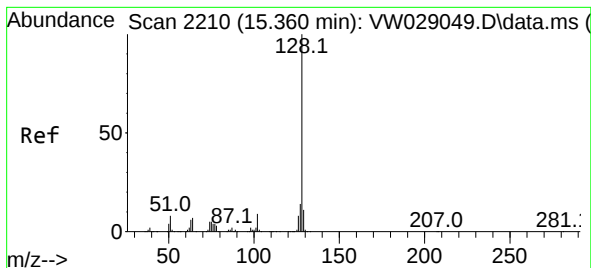
Ion Ratio Lower Upper

180 100

182 94.9 75.3 112.9

145 31.7 26.2 39.2





#71

Naphthalene

Concen: 18.058 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Instrument :

MSVOA\_W

ClientSampleId :

A4B87MS

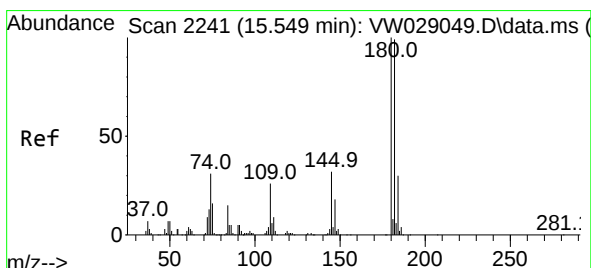
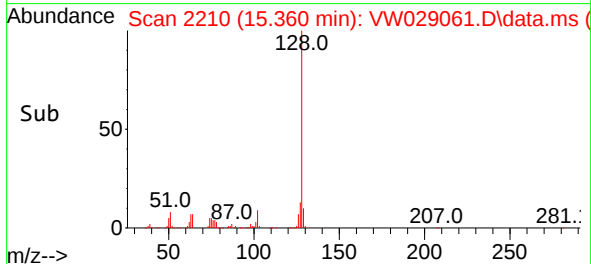
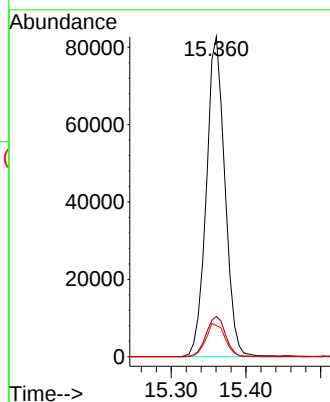
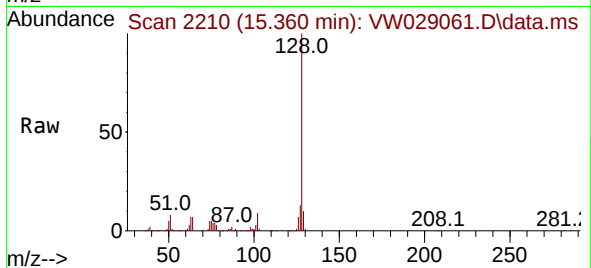
Tgt Ion:128 Resp: 142658

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 10.500 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW029061.D

Acq: 07 Jun 2024 14:41

Tgt Ion:180 Resp: 41596

Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.0

145 33.2 26.6 39.8

