

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051923\  
 Data File : VW026013.D  
 Acq On : 19 May 2023 18:28  
 Operator : SY/MD  
 Sample : 02851-03MSD  
 Misc : 2.93g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 H0FJ2MSD

Quant Time: May 20 05:10:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat May 20 04:57:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 649704   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 529590   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.549 | 152   | 194964   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 170104   | 18.476   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.920%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 163028   | 23.885   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 95.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 89536    | 19.422   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 77.680%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 102764   | 33.764   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 67.520%  |
| 24) Chloroform-d              | 7.648  | 84    | 446354   | 23.826   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.320%  |
| 26) 1,2-Dichloroethane-d4     | 8.306  | 65    | 236767   | 22.350   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 89.400%  |
| 32) Benzene-d6                | 8.270  | 84    | 839068   | 24.247   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 281533   | 25.428   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.720% |
| 41) Toluene-d8                | 10.324 | 98    | 704598   | 22.834   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.320%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 82240    | 18.324   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 73.280%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 67630    | 35.822   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 71.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 198026   | 23.466   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 93.880%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.854 | 152   | 153901   | 21.654   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 197037   | 27.145   | ug/L   | 97       |
| 3) Chloromethane              | 2.228  | 50    | 268594   | 25.097   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 264130   | 23.844   | ug/L   | 100      |
| 6) Bromomethane               | 2.789  | 94    | 123206   | 20.449   | ug/L   | 97       |
| 8) Chloroethane               | 2.935  | 64    | 175141   | 27.805   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 219663   | 26.275   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.069  | 101   | 217395   | 23.911   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 213304   | 24.548   | ug/L   | 93       |
| 13) Acetone                   | 4.118  | 43    | 174676   | 64.723   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.386  | 76    | 636456   | 21.659   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 48707    | 9.158    | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 273618   | 20.421   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 231373   | 24.408   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 369128   | 25.657   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.215  | 63    | 512068   | 26.293   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.166  | 96    | 259509   | 25.518   | ug/L   | 98       |
| 22) 2-Butanone                | 7.166  | 43    | 187940   | 50.433   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.514  | 128   | 110552   | 25.660   | ug/L   | 98       |
| 25) Chloroform                | 7.678  | 83    | 473449   | 26.450   | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat May 20 04:57:36 2023  
 Response via : Initial Calibration

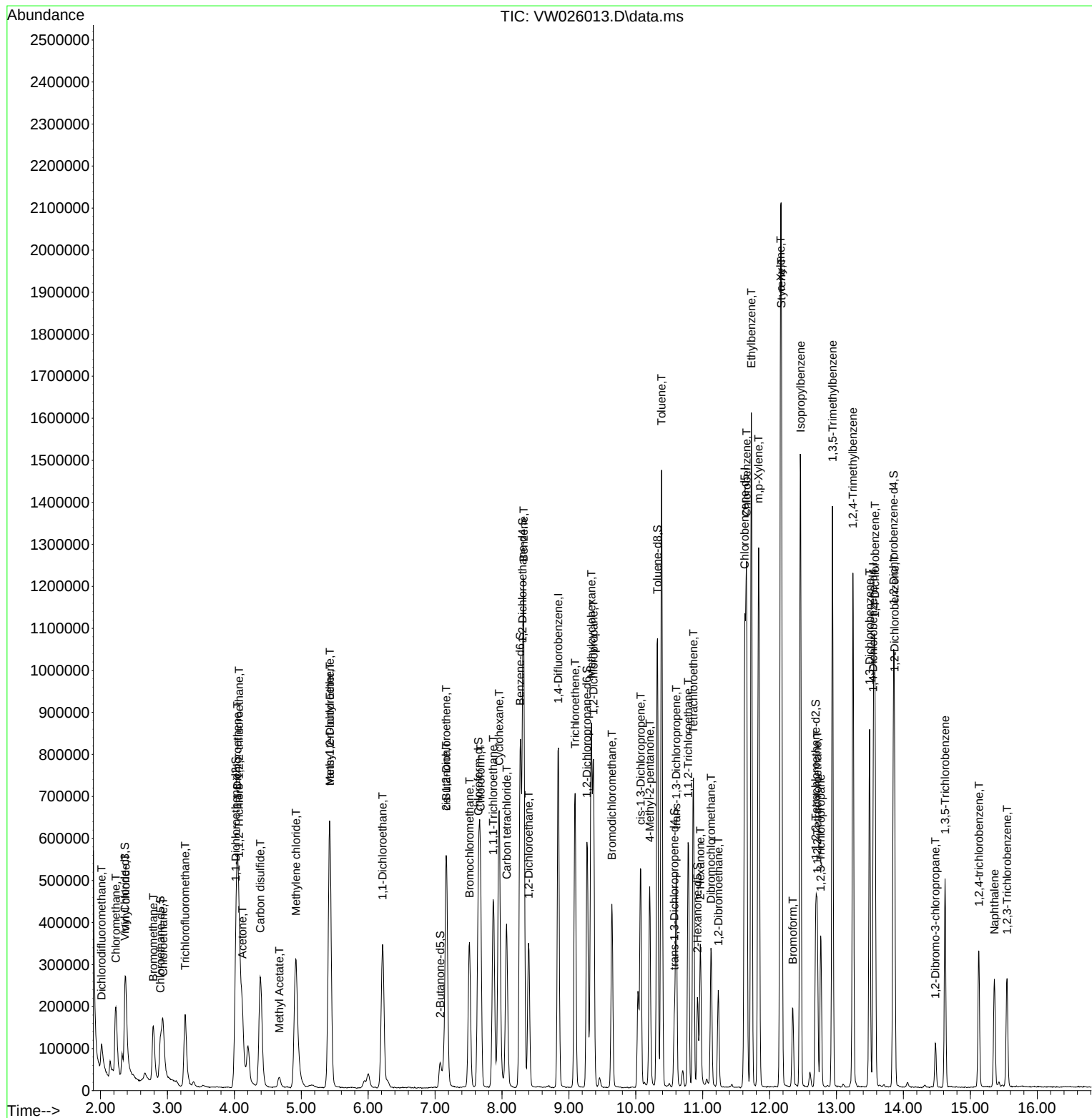
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 315973   | 24.856 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 386539   | 23.553 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.867  | 97   | 362252   | 27.970 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 286822   | 24.608 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 1027778  | 28.051 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 248873   | 26.470 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 317466   | 18.985 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 285319   | 28.423 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 292581   | 25.405 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.074 | 75   | 305750   | 20.769 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 332833   | 50.938 | ug/L  | 99       |
| 42) Toluene                   | 10.385 | 91   | 1015415  | 27.123 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 262602   | 21.528 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 180771   | 26.920 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 158579   | 23.975 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.964 | 43   | 243776   | 52.079 | ug/L  | 93       |
| 49) Dibromochloromethane      | 11.123 | 129  | 165903   | 23.864 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 152221   | 24.590 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.653 | 112  | 579254   | 24.976 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 1064473  | 25.277 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 387430   | 24.996 | ug/L  | 100      |
| 54) o-Xylene                  | 12.165 | 106  | 359314   | 24.595 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 595553   | 23.818 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 196329   | 23.432 | ug/L  | 100      |
| 59) Bromoform                 | 12.348 | 173  | 82544    | 28.583 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.464 | 105  | 936330   | 31.595 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 151447   | 32.868 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 678928   | 28.924 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 624070   | 28.811 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 309804   | 24.284 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 322201   | 24.998 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 279811   | 24.593 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 28250    | 26.440 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 143257   | 16.917 | ug/L  | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 97278    | 13.712 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 215851   | 16.120 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 81545    | 12.954 | ug/L  | 97       |

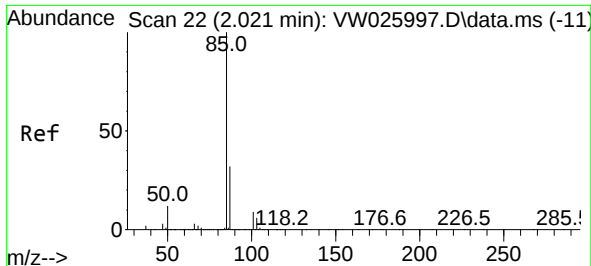
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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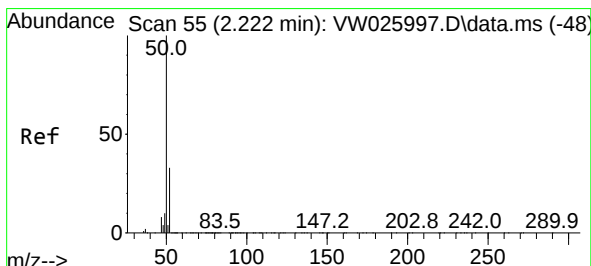
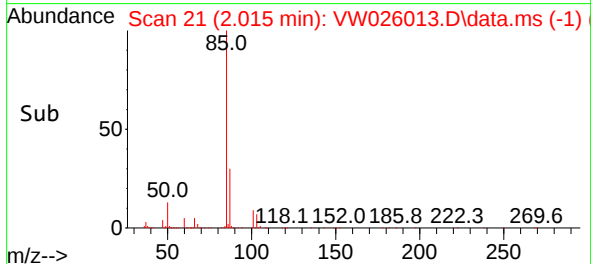
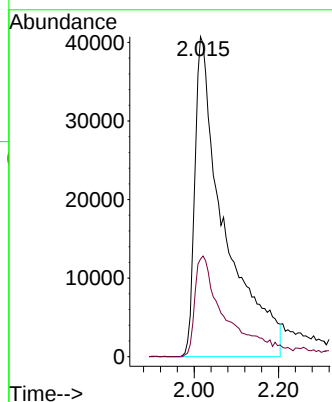
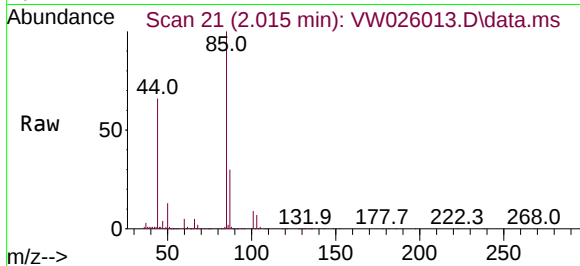




#2  
 Dichlorodifluoromethane  
 Concen: 27.145 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW026013.D  
 Acq: 19 May 2023 18:28

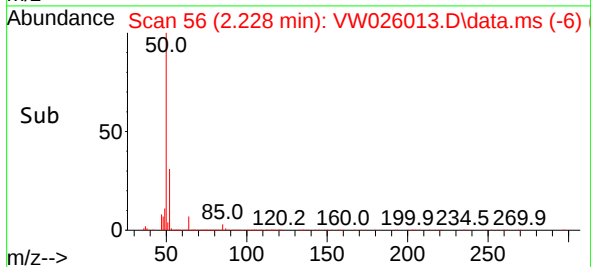
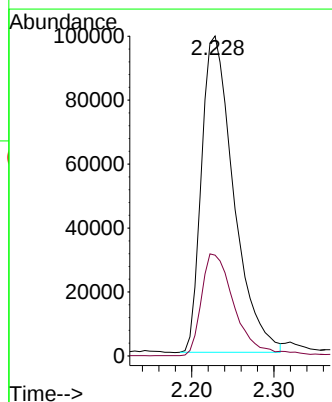
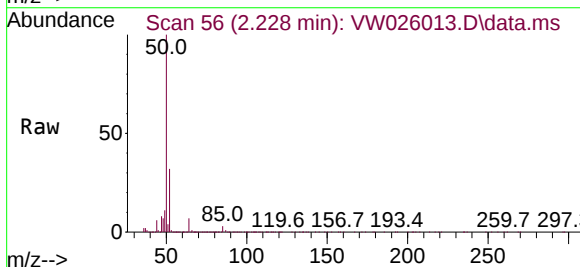
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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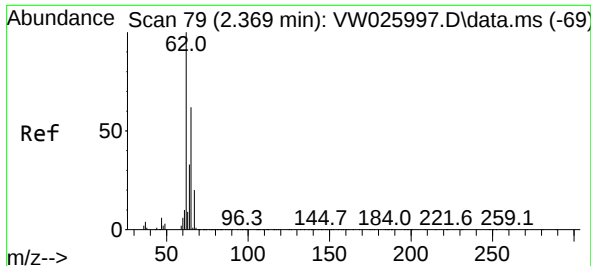
Tgt Ion: 85 Resp: 197037  
 Ion Ratio Lower Upper  
 85 100  
 87 29.3 24.7 37.1



#3  
 Chloromethane  
 Concen: 25.097 ug/L  
 RT: 2.228 min Scan# 56  
 Delta R.T. 0.006 min  
 Lab File: VW026013.D  
 Acq: 19 May 2023 18:28

Tgt Ion: 50 Resp: 268594  
 Ion Ratio Lower Upper  
 50 100  
 52 31.5 22.1 41.1

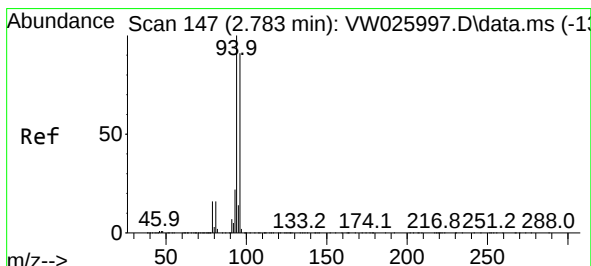
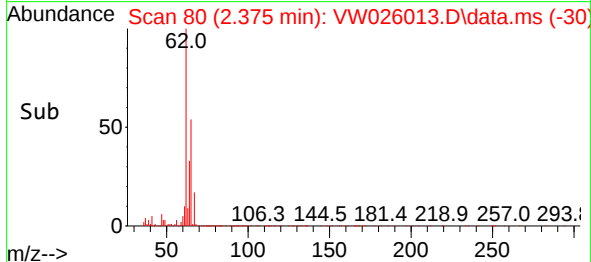
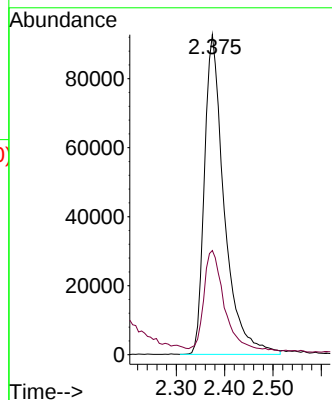
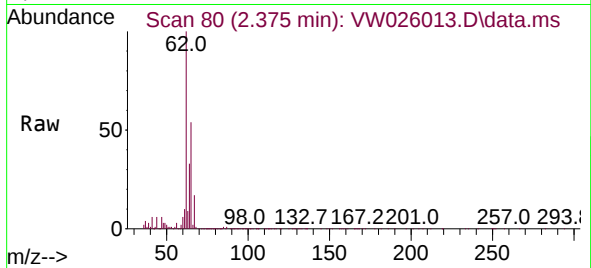




#5  
 Vinyl chloride  
 Concen: 23.844 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VW026013.D  
 Acq: 19 May 2023 18:28

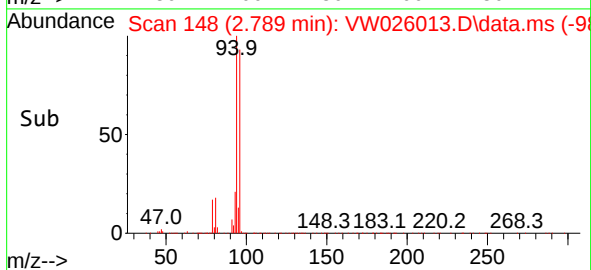
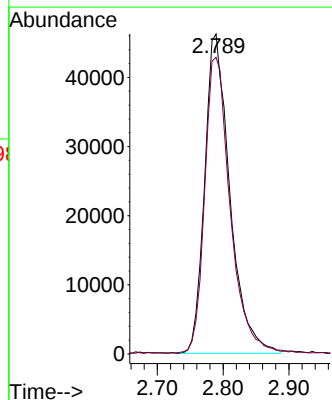
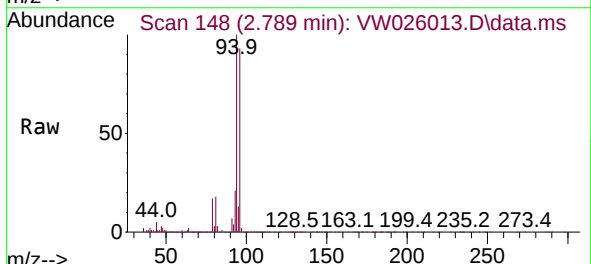
Instrument :  
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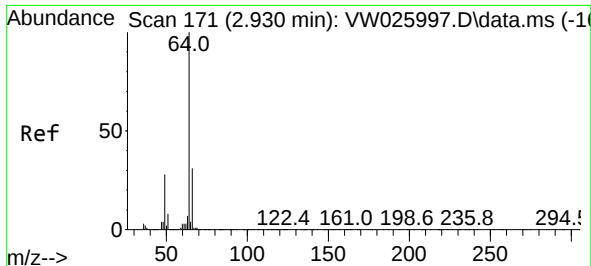
Tgt Ion: 62 Resp: 264130  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 22.7 42.3



#6  
 Bromomethane  
 Concen: 20.449 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. 0.006 min  
 Lab File: VW026013.D  
 Acq: 19 May 2023 18:28

Tgt Ion: 94 Resp: 123206  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 63.1 117.1

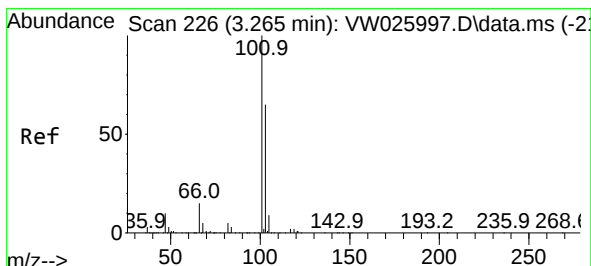
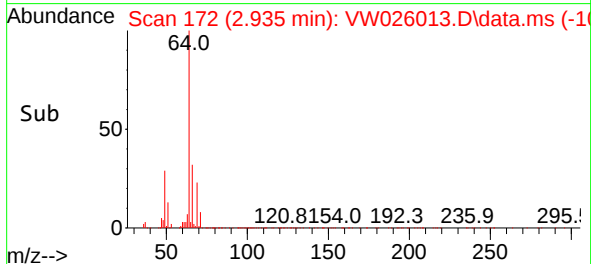
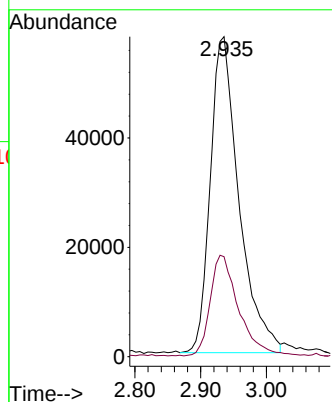
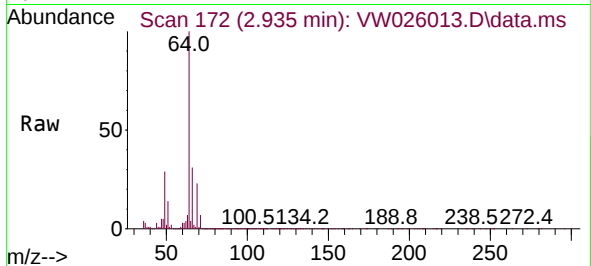




#8  
Chloroethane  
Concen: 27.805 ug/L  
RT: 2.935 min Scan# 171  
Delta R.T. 0.006 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

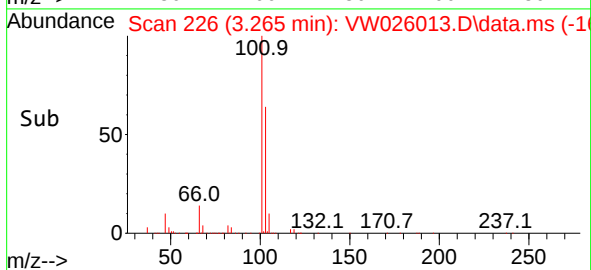
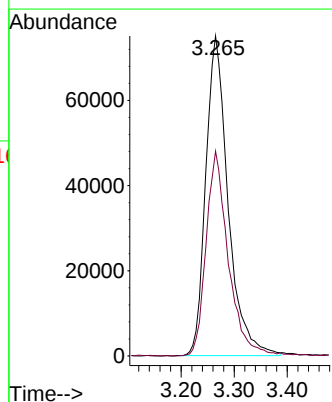
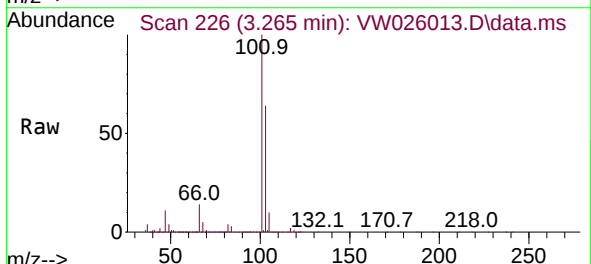
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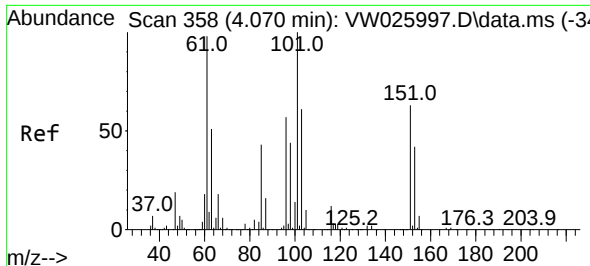
Tgt Ion: 64 Resp: 175141  
Ion Ratio Lower Upper  
64 100  
66 31.3 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 26.275 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 101 Resp: 219663  
Ion Ratio Lower Upper  
101 100  
103 63.7 50.6 76.0

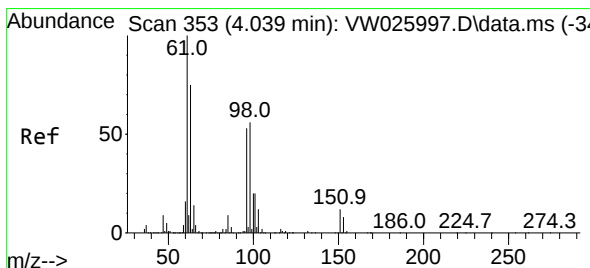
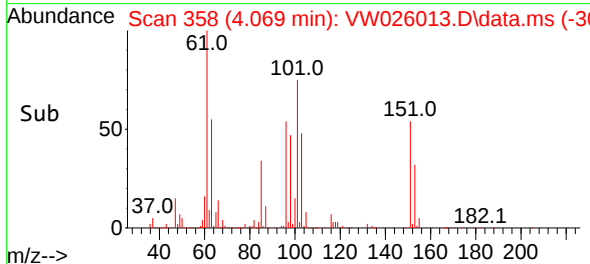
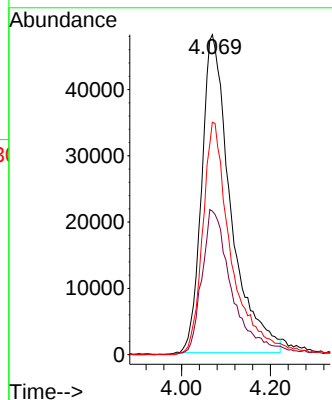
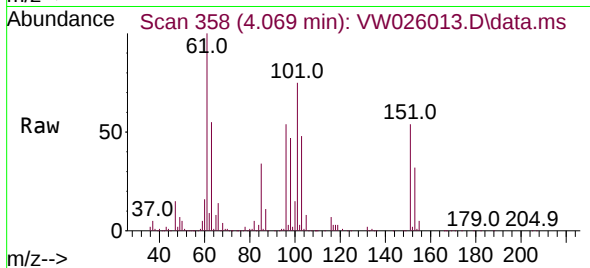




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.911 ug/L  
 RT: 4.069 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VW026013.D  
 Acq: 19 May 2023 18:28

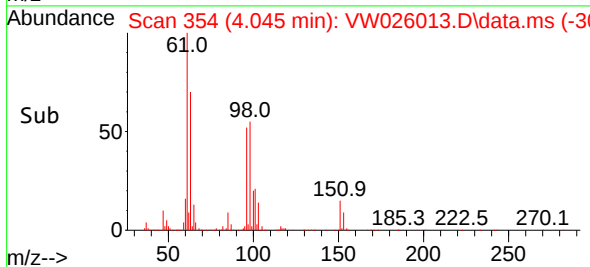
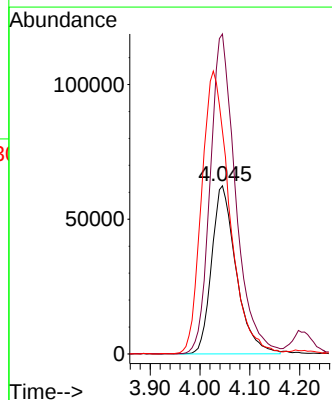
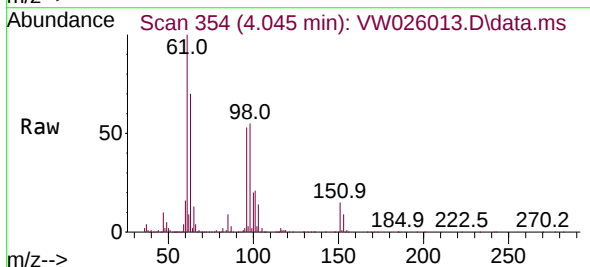
Instrument :  
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 ClientSampleId :  
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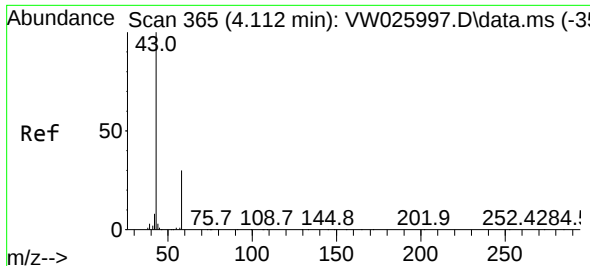
Tgt Ion:101 Resp: 217395  
 Ion Ratio Lower Upper  
 101 100  
 85 43.9 33.9 50.9  
 151 70.5 54.2 81.2



#12  
 1,1-Dichloroethene  
 Concen: 24.548 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.006 min  
 Lab File: VW026013.D  
 Acq: 19 May 2023 18:28

Tgt Ion: 96 Resp: 213304  
 Ion Ratio Lower Upper  
 96 100  
 61 190.4 135.0 250.8  
 63 132.6 104.9 194.7

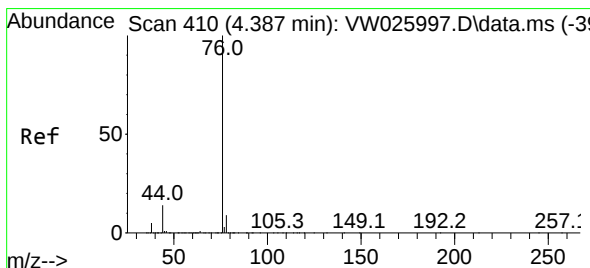
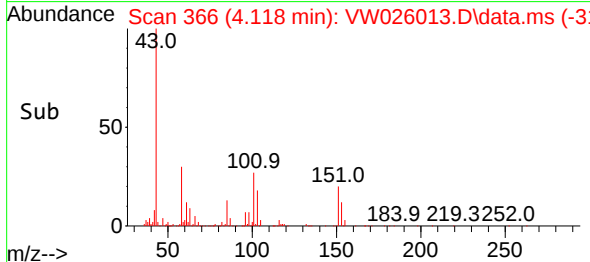
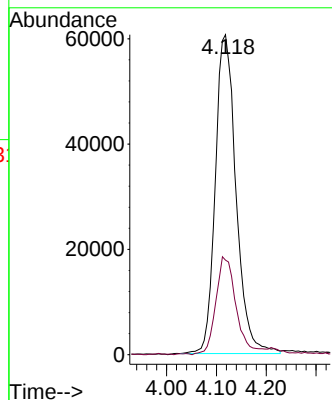
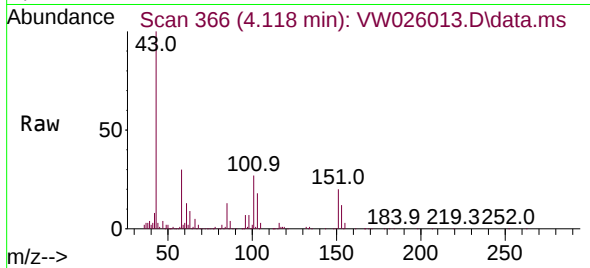




#13  
Acetone  
Concen: 64.723 ug/L  
RT: 4.118 min Scan# 365  
Delta R.T. 0.006 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

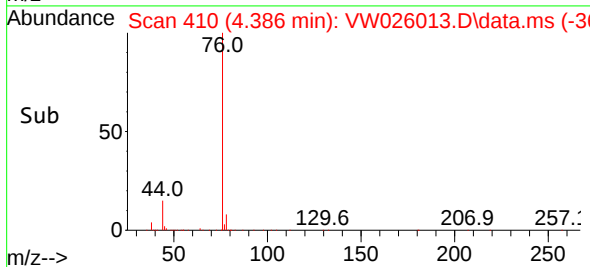
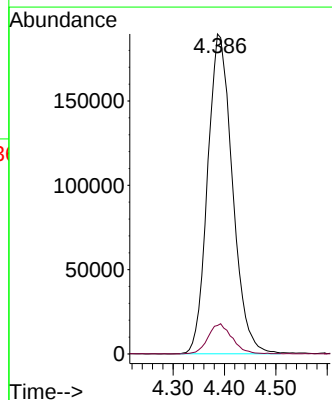
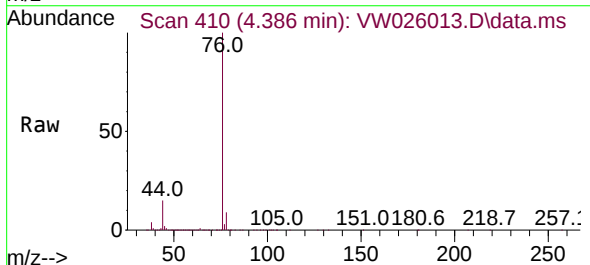
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

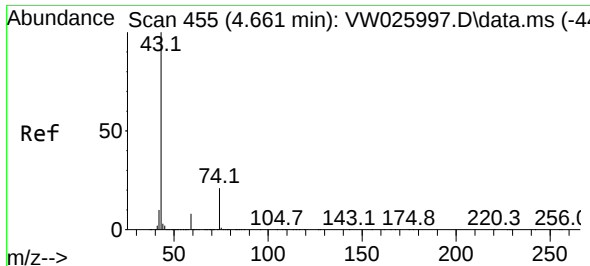
Tgt Ion: 43 Resp: 174676  
Ion Ratio Lower Upper  
43 100  
58 30.3 0.0 58.2



#14  
Carbon disulfide  
Concen: 21.659 ug/L  
RT: 4.386 min Scan# 410  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 76 Resp: 636456  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.0

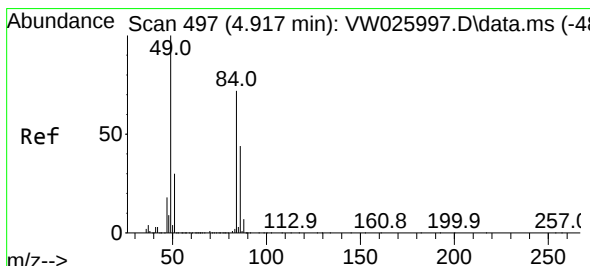
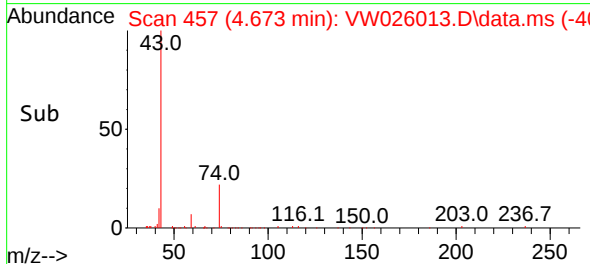
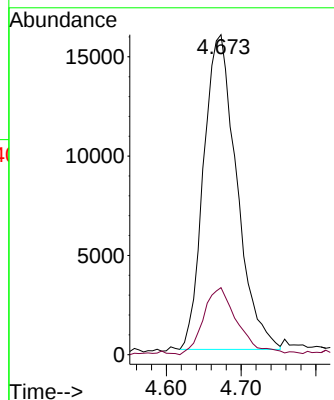
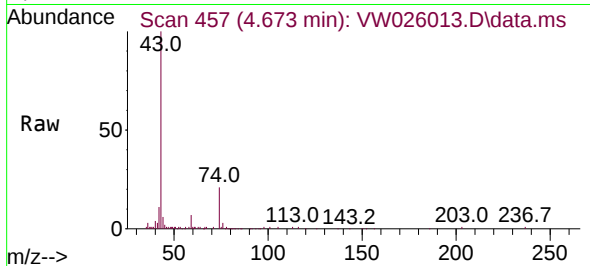




#15  
Methyl Acetate  
Concen: 9.158 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

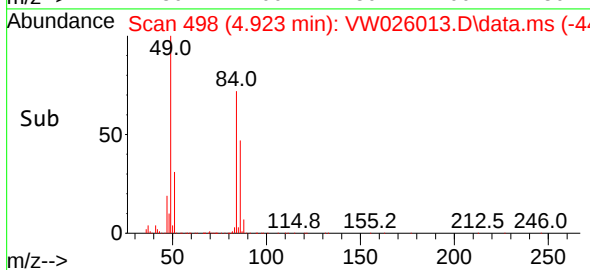
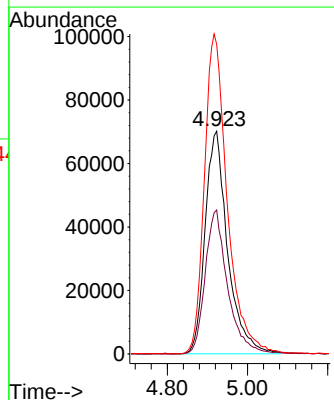
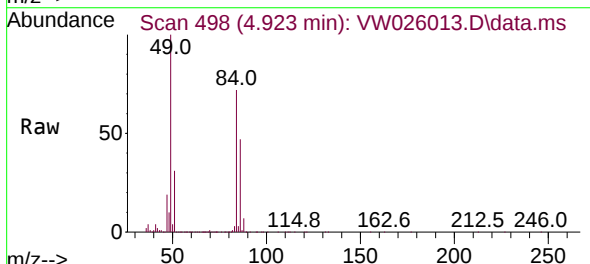
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

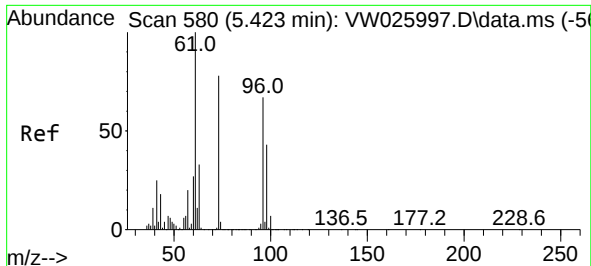
Tgt Ion: 43 Resp: 48707  
Ion Ratio Lower Upper  
43 100  
74 21.1 16.5 24.7



#16  
Methylene chloride  
Concen: 20.421 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 84 Resp: 273618  
Ion Ratio Lower Upper  
84 100  
86 64.6 41.7 77.5  
49 139.0 95.3 177.1

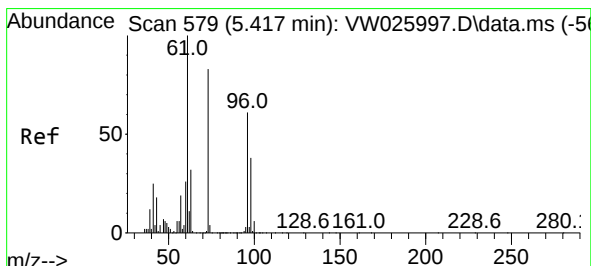
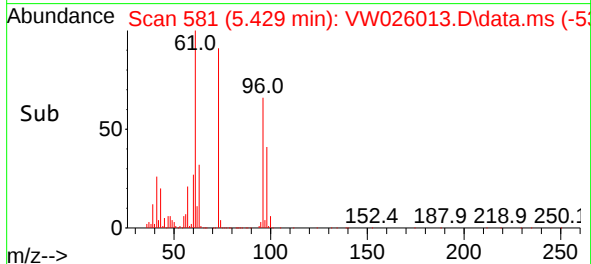
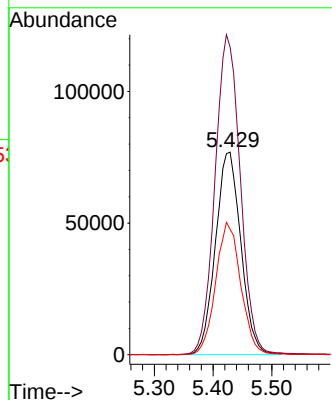
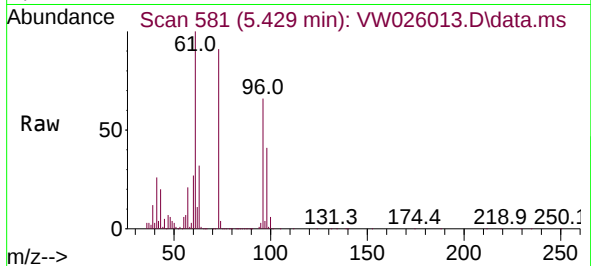




#17  
trans-1,2-Dichloroethene  
Concen: 24.408 ug/L  
RT: 5.429 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

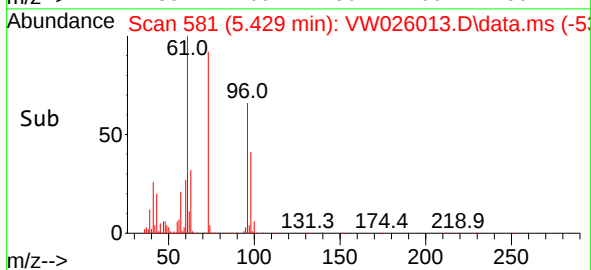
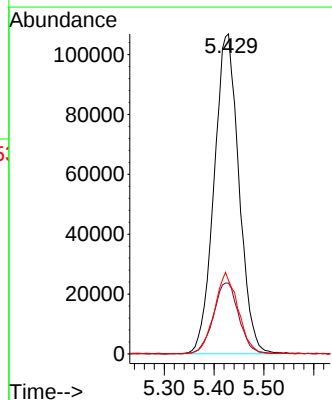
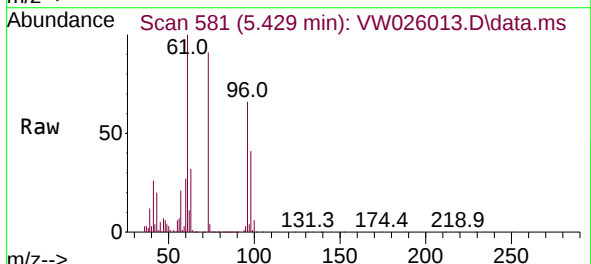
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

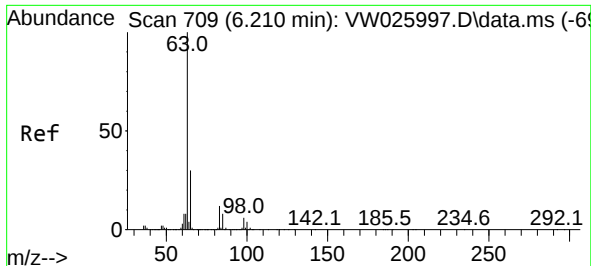
Tgt Ion: 96 Resp: 231373  
Ion Ratio Lower Upper  
96 100  
61 151.8 108.1 200.9  
98 61.8 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 25.657 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 73 Resp: 369128  
Ion Ratio Lower Upper  
73 100  
43 22.6 18.2 27.4  
57 24.4 19.2 28.8





#19

1,1-Dichloroethane

Concen: 26.293 ug/L

RT: 6.215 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MSD

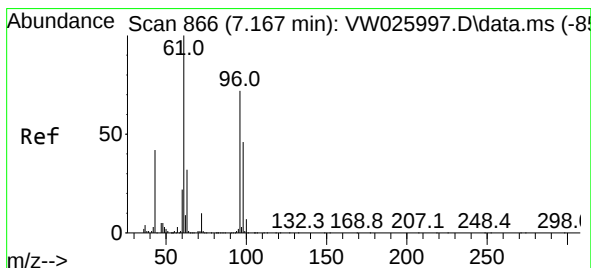
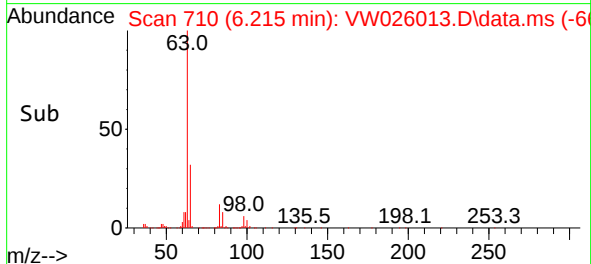
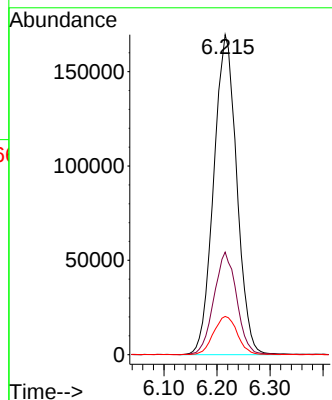
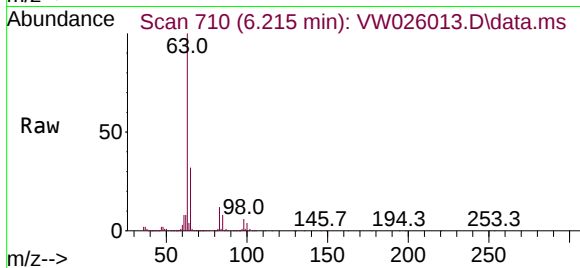
Tgt Ion: 63 Resp: 512068

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 12.0 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 25.518 ug/L

RT: 7.166 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

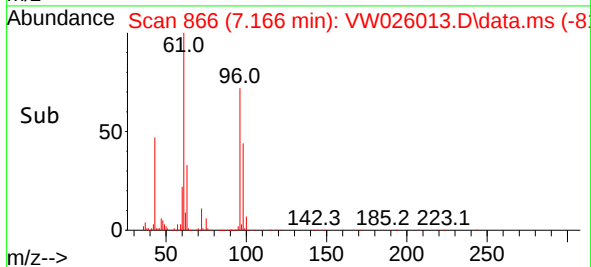
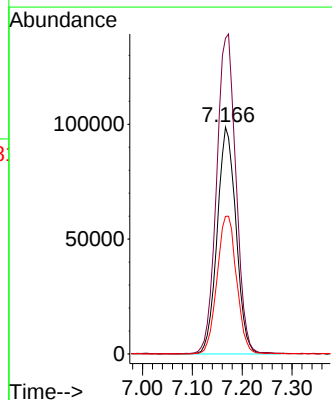
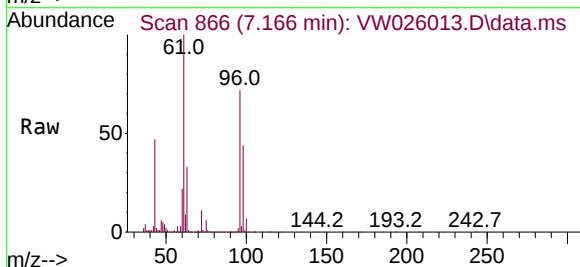
Tgt Ion: 96 Resp: 259509

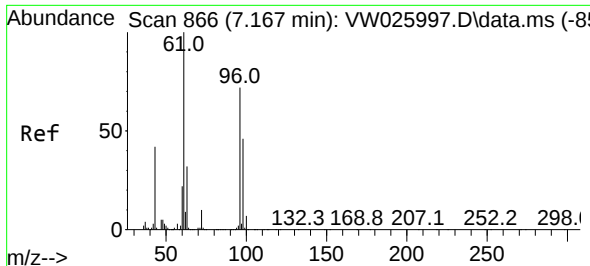
Ion Ratio Lower Upper

96 100

61 139.2 98.6 183.0

98 60.6 45.2 84.0

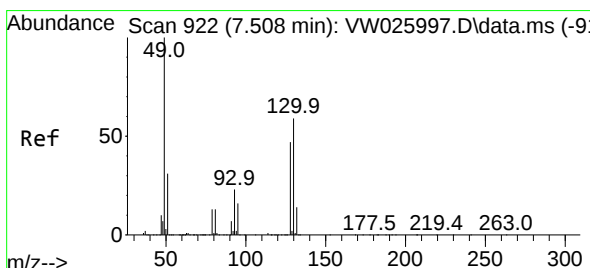
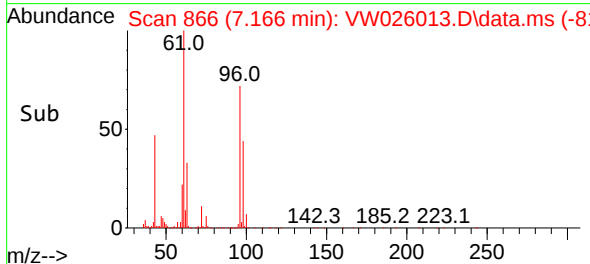
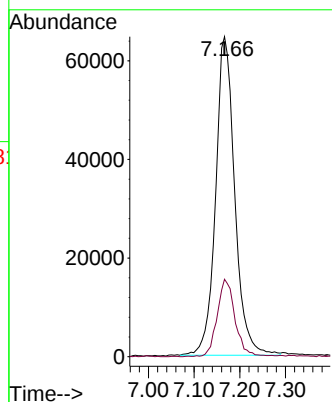
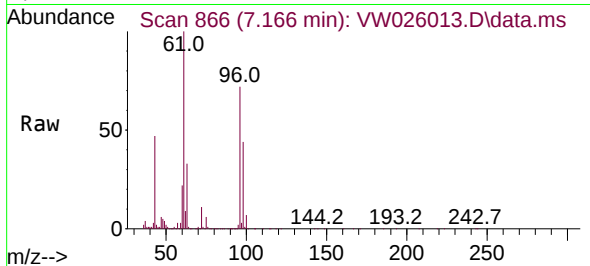




#22  
2-Butanone  
Concen: 50.433 ug/L  
RT: 7.166 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

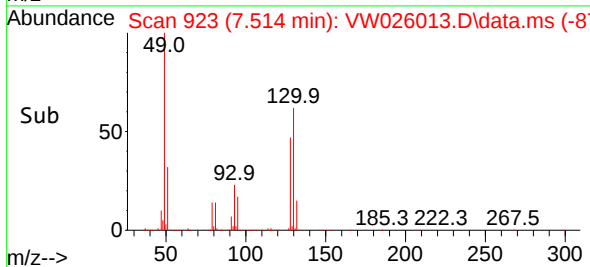
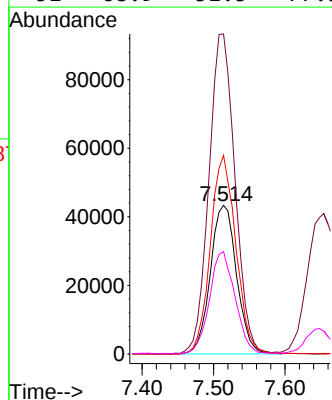
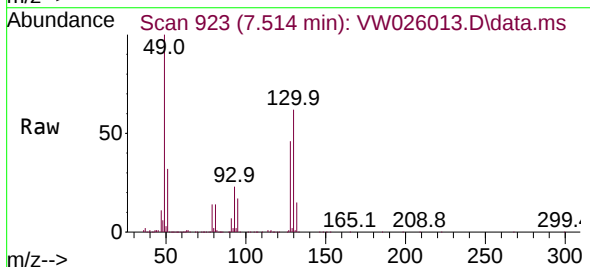
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

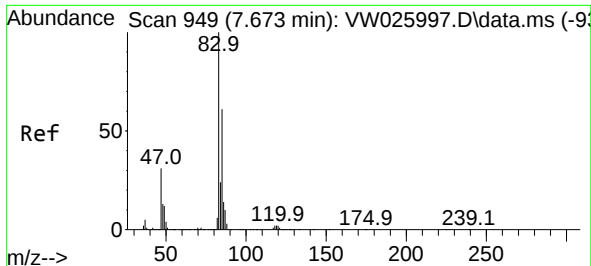
Tgt Ion: 43 Resp: 187940  
Ion Ratio Lower Upper  
43 100  
72 22.1 11.8 35.4



#23  
Bromochloromethane  
Concen: 25.660 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.006 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 128 Resp: 110552  
Ion Ratio Lower Upper  
128 100  
49 215.3 151.5 281.5  
130 133.6 91.3 169.6  
51 68.9 51.5 77.3

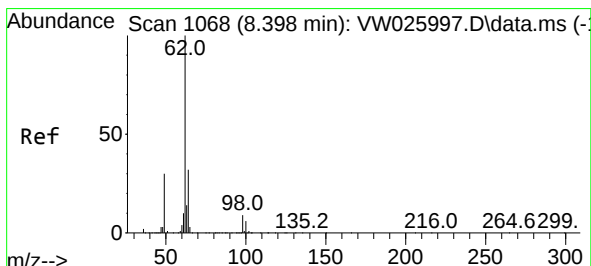
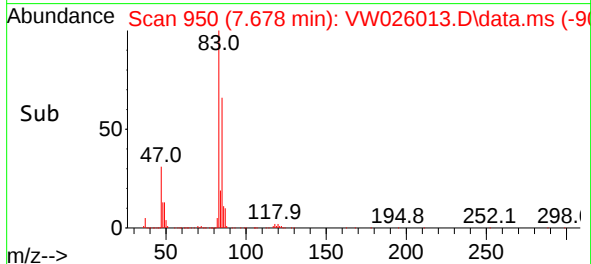
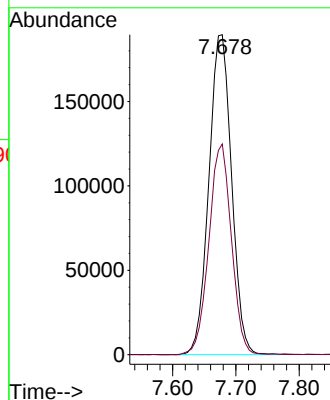
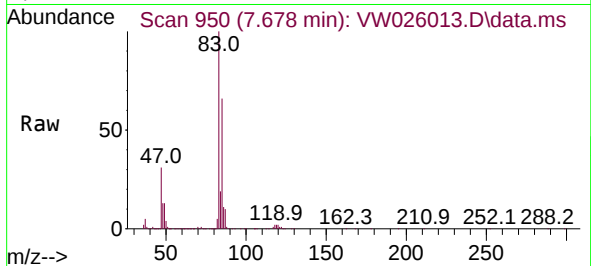




#25  
Chloroform  
Concen: 26.450 ug/L  
RT: 7.678 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

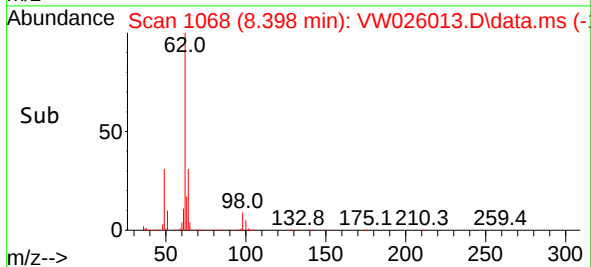
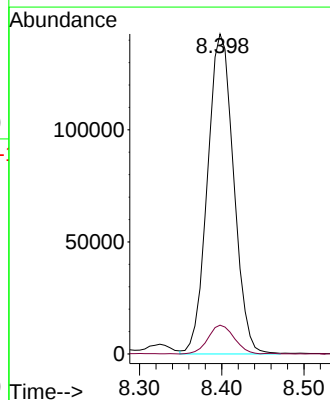
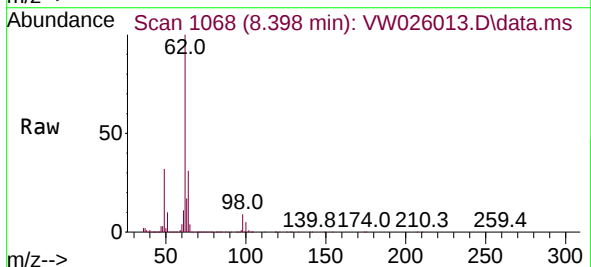
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

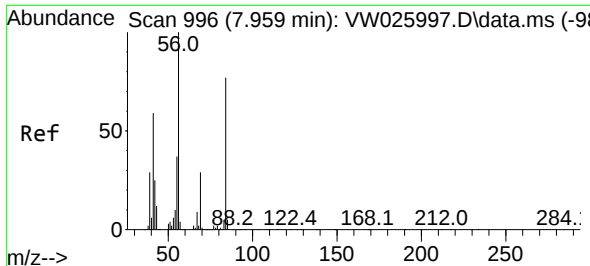
Tgt Ion: 83 Resp: 473449  
Ion Ratio Lower Upper  
83 100  
85 65.9 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 24.856 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 62 Resp: 315973  
Ion Ratio Lower Upper  
62 100  
98 9.0 7.2 10.8

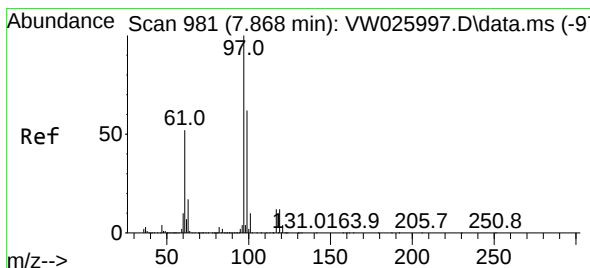
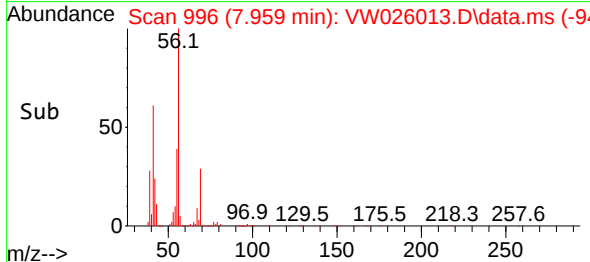
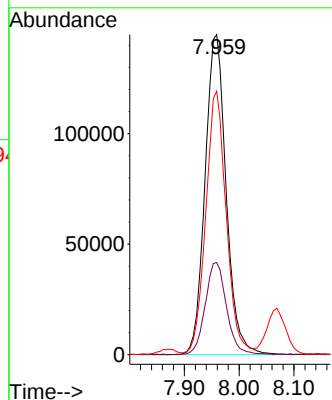
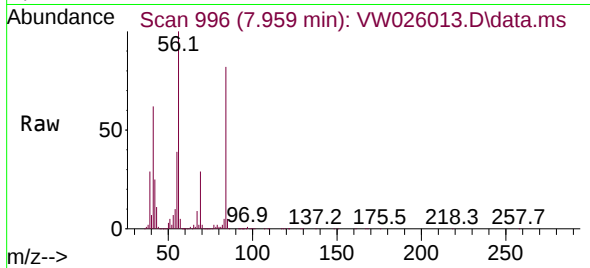




#29  
Cyclohexane  
Concen: 23.553 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

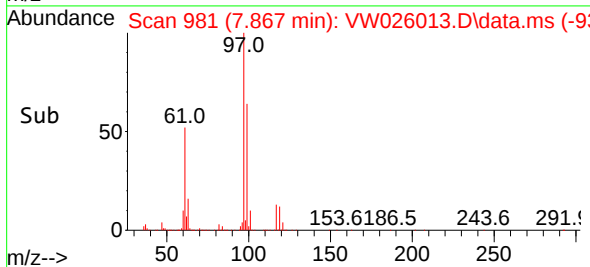
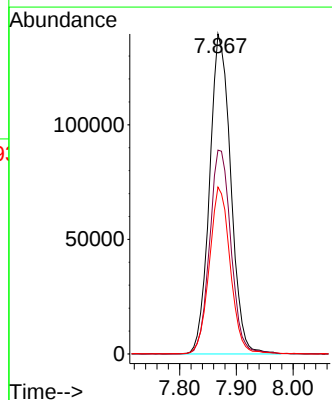
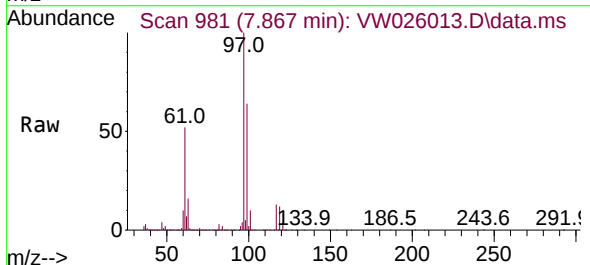
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

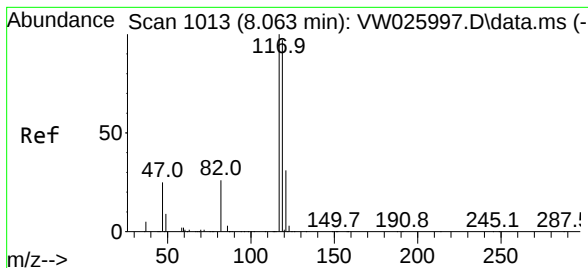
Tgt Ion: 56 Resp: 386539  
Ion Ratio Lower Upper  
56 100  
69 29.2 23.4 35.0  
84 79.9 63.3 94.9



#30  
1,1,1-Trichloroethane  
Concen: 27.970 ug/L  
RT: 7.867 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 97 Resp: 362252  
Ion Ratio Lower Upper  
97 100  
99 64.5 51.1 76.7  
61 51.0 40.4 60.6





#31

Carbon tetrachloride

Concen: 24.608 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

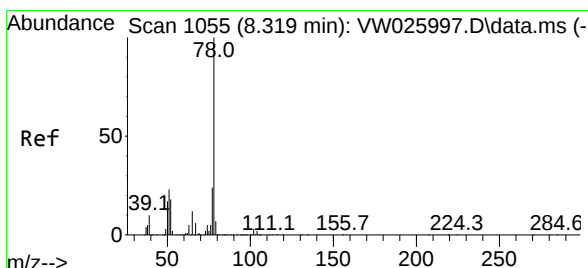
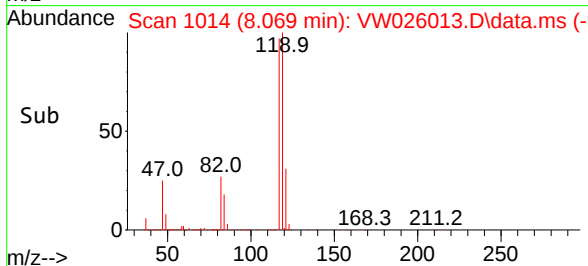
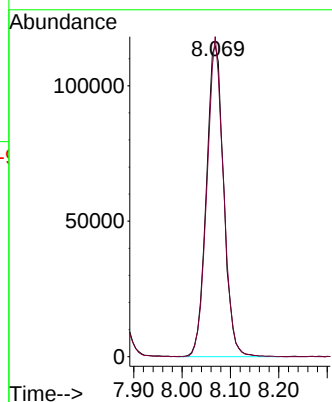
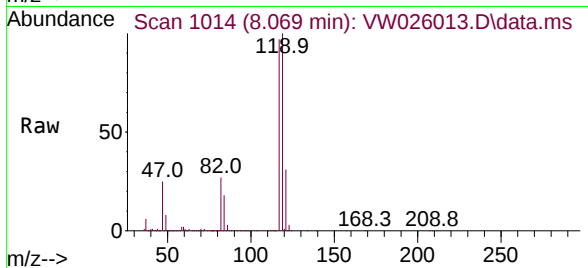
H0FJ2MSD

Tgt Ion:117 Resp: 286822

Ion Ratio Lower Upper

117 100

119 97.7 76.9 115.3



#33

Benzene

Concen: 28.051 ug/L

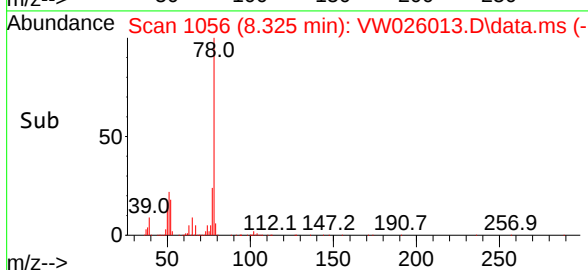
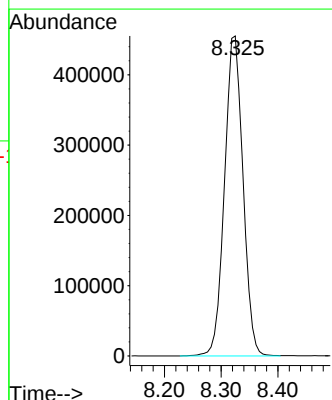
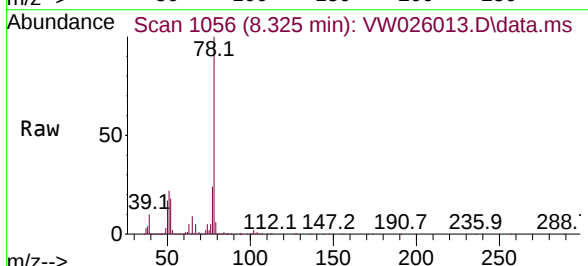
RT: 8.325 min Scan# 1056

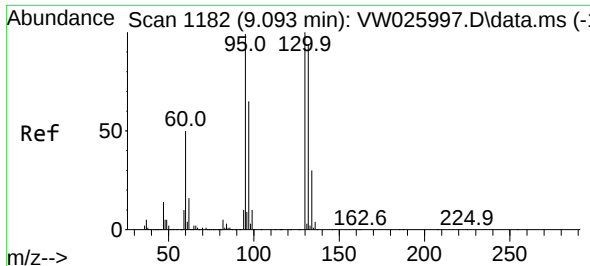
Delta R.T. 0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Tgt Ion: 78 Resp: 1027778

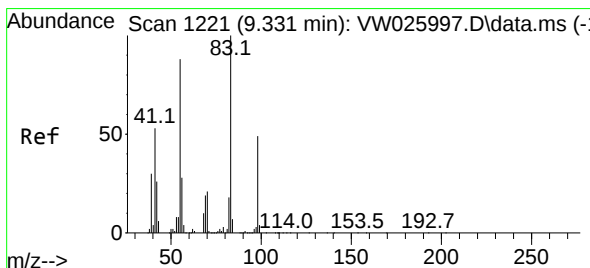
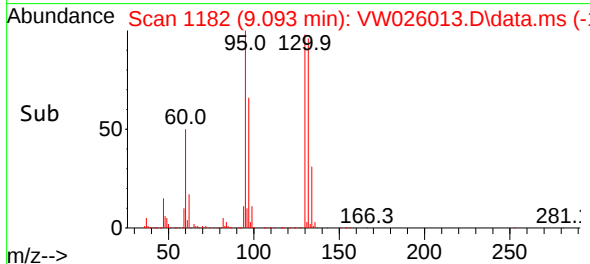
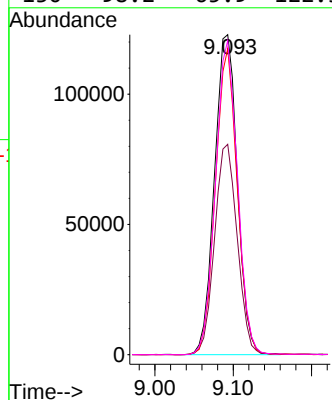
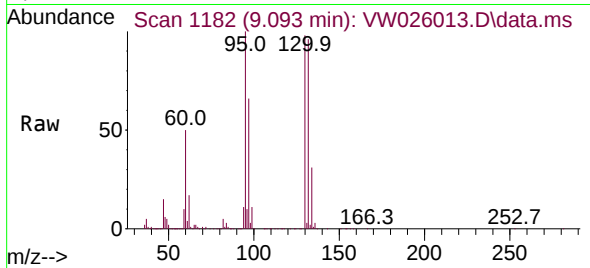




#34  
 Trichloroethene  
 Concen: 26.470 ug/L  
 RT: 9.093 min Scan# 1182  
 Delta R.T. -0.000 min  
 Lab File: VW026013.D  
 Acq: 19 May 2023 18:28

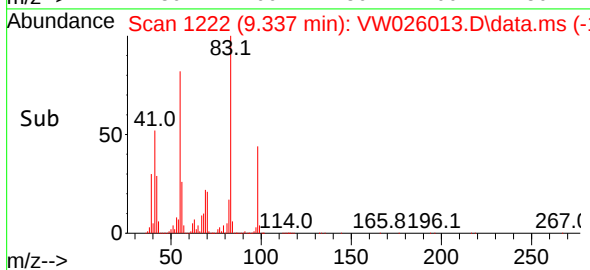
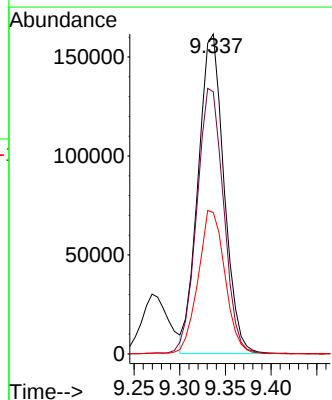
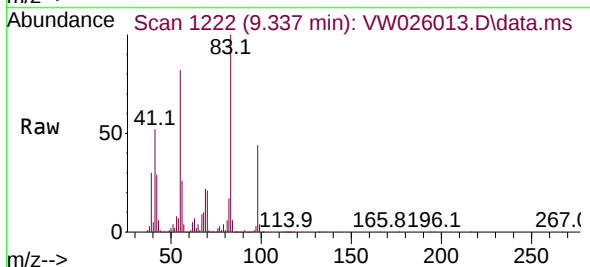
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 ClientSampleId :  
 H0FJ2MSD

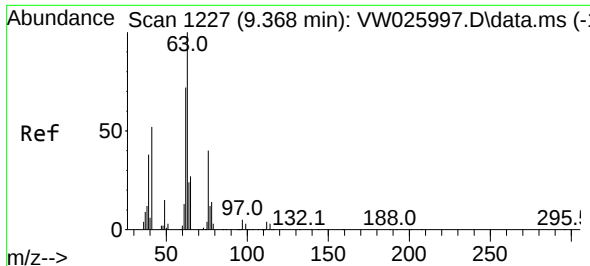
Tgt Ion: 95 Resp: 248873  
 Ion Ratio Lower Upper  
 95 100  
 97 65.7 45.9 85.3  
 132 95.7 66.0 122.6  
 130 98.2 65.9 122.3



#35  
 Methylcyclohexane  
 Concen: 18.985 ug/L  
 RT: 9.337 min Scan# 1222  
 Delta R.T. 0.006 min  
 Lab File: VW026013.D  
 Acq: 19 May 2023 18:28

Tgt Ion: 83 Resp: 317466  
 Ion Ratio Lower Upper  
 83 100  
 55 86.1 69.0 103.4  
 98 46.6 37.1 55.7





#37

1,2-Dichloropropane

Concen: 28.423 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

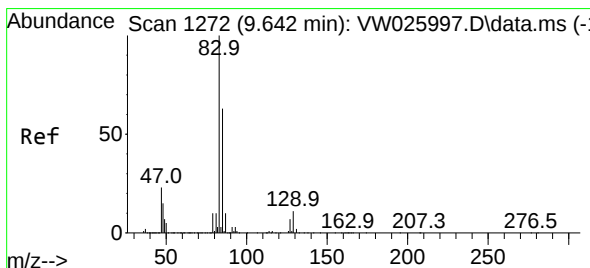
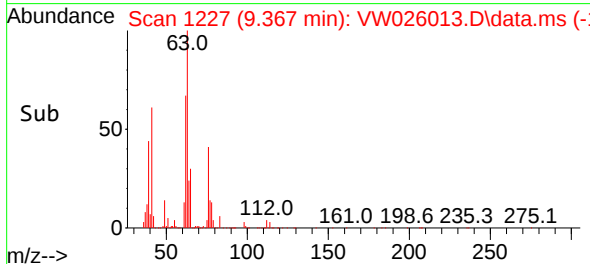
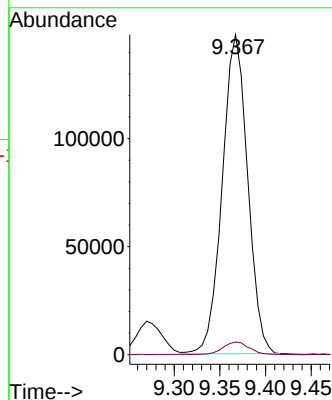
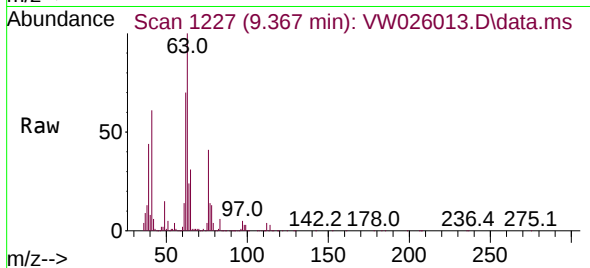
H0FJ2MSD

Tgt Ion: 63 Resp: 285319

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 25.405 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

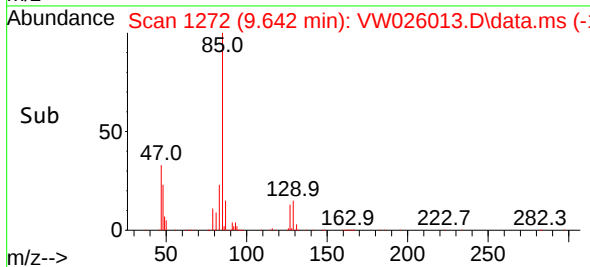
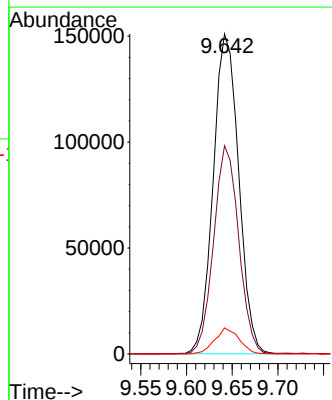
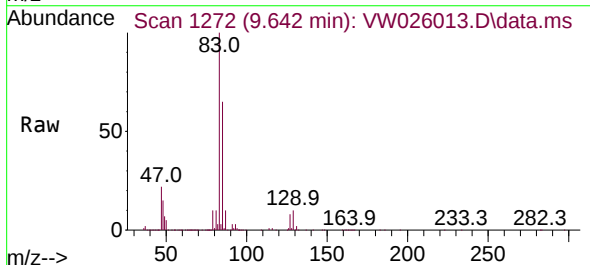
Tgt Ion: 83 Resp: 292581

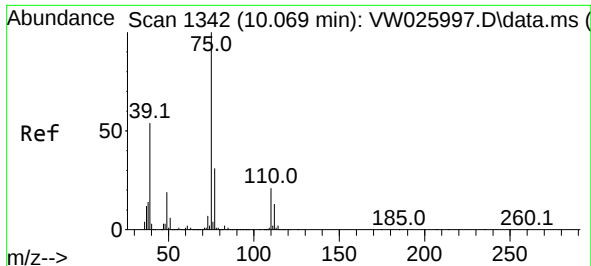
Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.5

127 8.2 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 20.769 ug/L

RT: 10.074 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

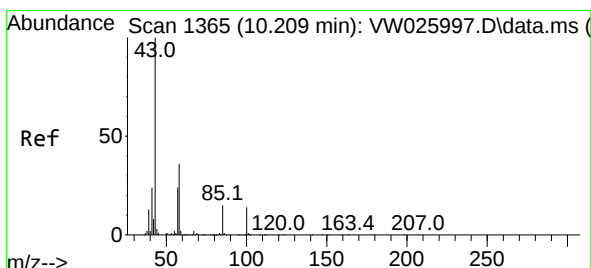
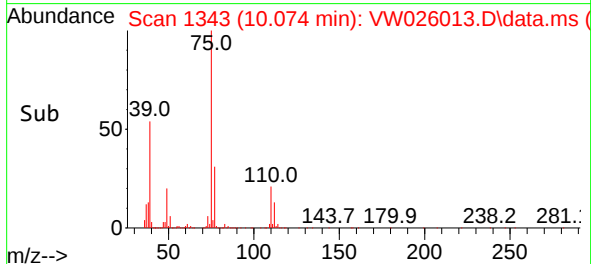
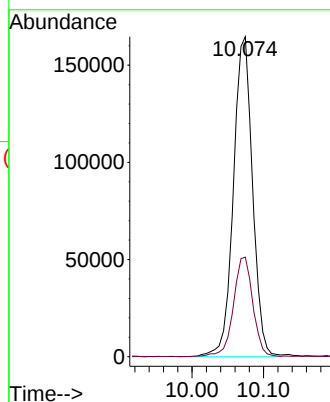
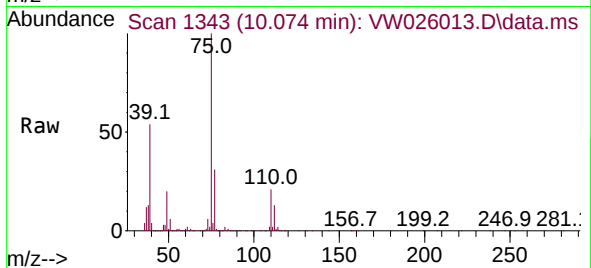
H0FJ2MSD

Tgt Ion: 75 Resp: 305750

Ion Ratio Lower Upper

75 100

77 31.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 50.938 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

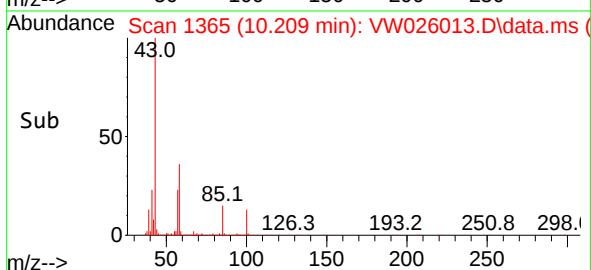
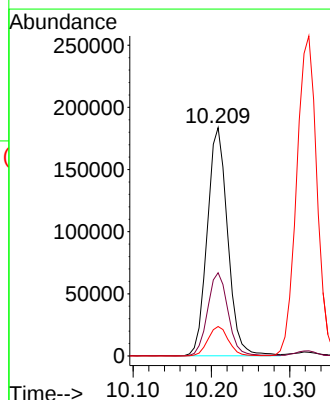
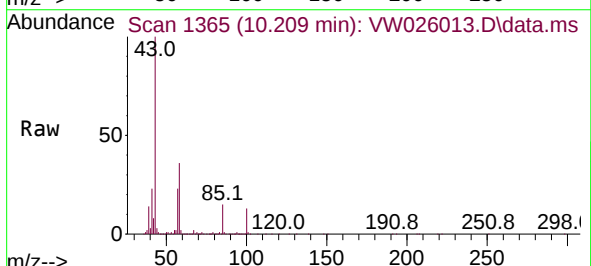
Tgt Ion: 43 Resp: 332833

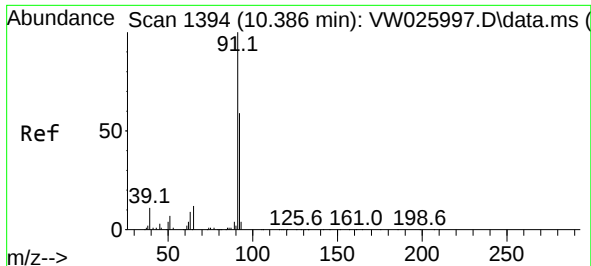
Ion Ratio Lower Upper

43 100

58 36.2 29.4 44.0

100 12.9 10.1 15.1

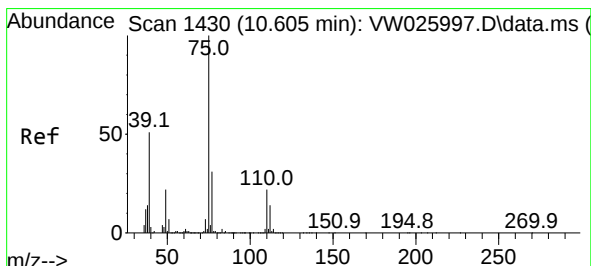
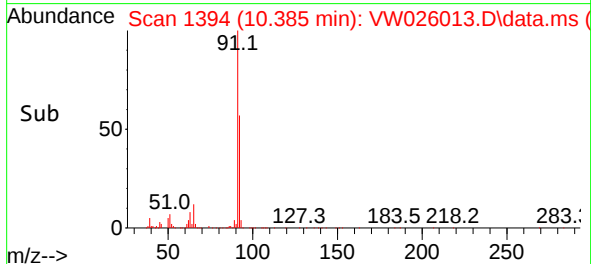
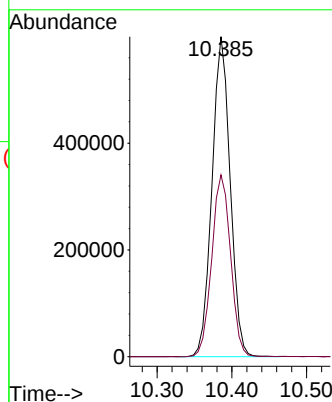
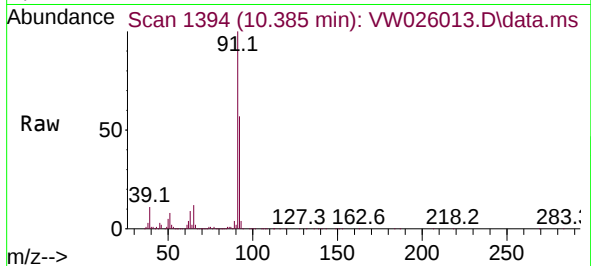




#42  
Toluene  
Concen: 27.123 ug/L  
RT: 10.385 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

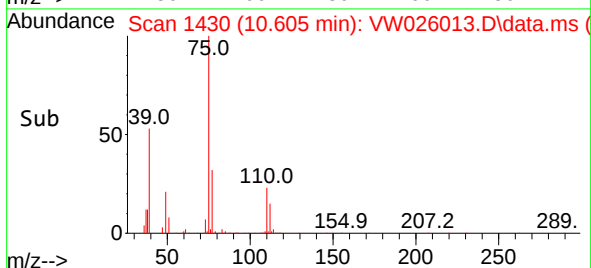
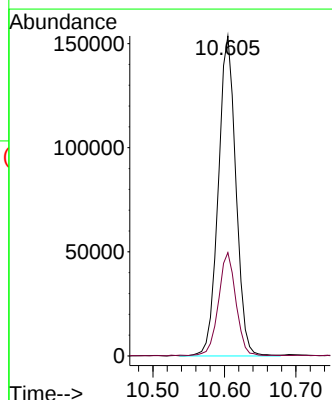
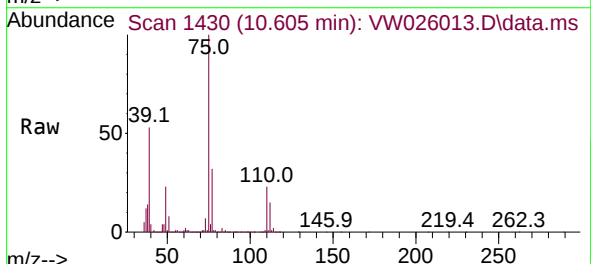
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

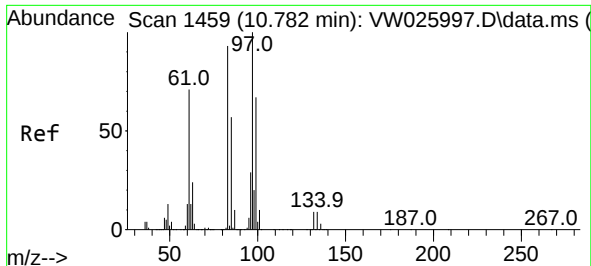
Tgt Ion: 91 Resp: 1015415  
Ion Ratio Lower Upper  
91 100  
92 56.8 40.2 74.6



#44  
trans-1,3-Dichloropropene  
Concen: 21.528 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 75 Resp: 262602  
Ion Ratio Lower Upper  
75 100  
77 32.3 21.8 40.4



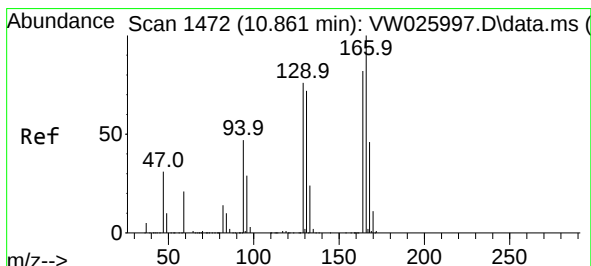
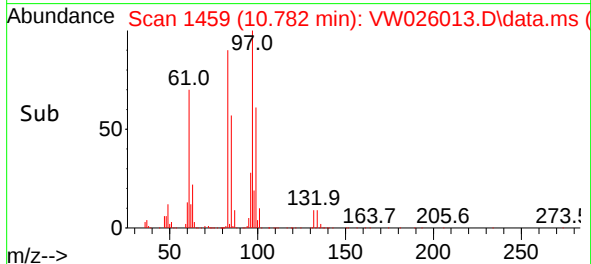
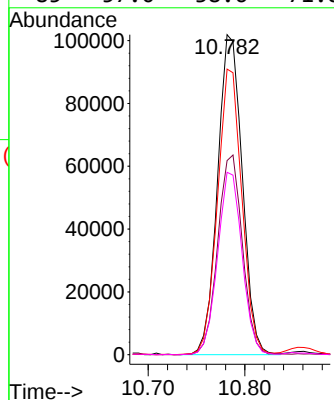
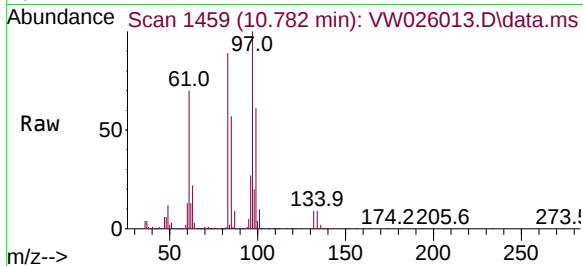


#45  
1,1,2-Trichloroethane  
Concen: 26.920 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

Tgt Ion: 97 Resp: 180771

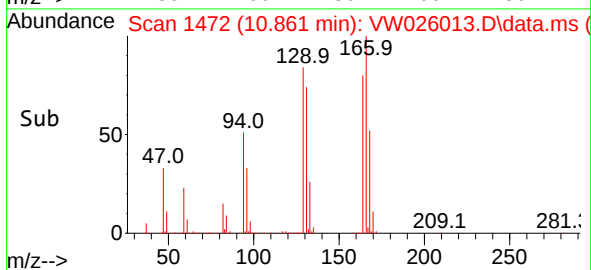
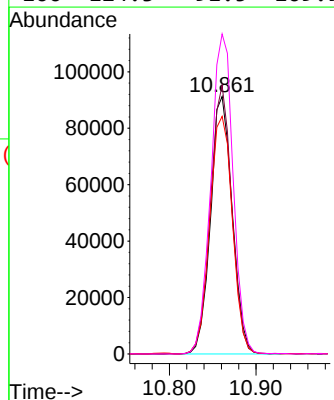
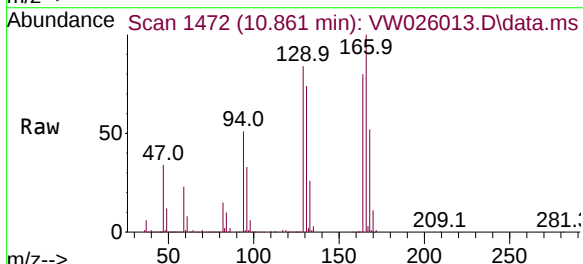
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 60.7  | 44.5  | 82.7  |
| 83  | 89.3  | 63.0  | 117.0 |
| 85  | 57.0  | 38.6  | 71.8  |

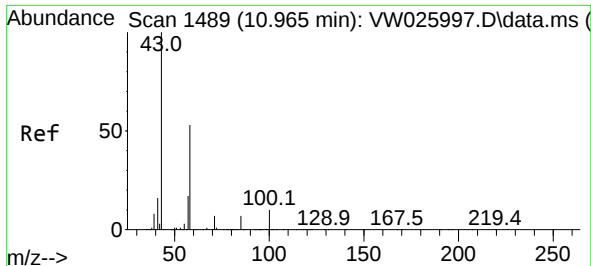


#46  
Tetrachloroethene  
Concen: 23.975 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 164 Resp: 158579

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 104.4 | 74.3  | 138.1 |
| 131 | 92.3  | 71.3  | 132.3 |
| 166 | 124.3 | 91.5  | 169.9 |

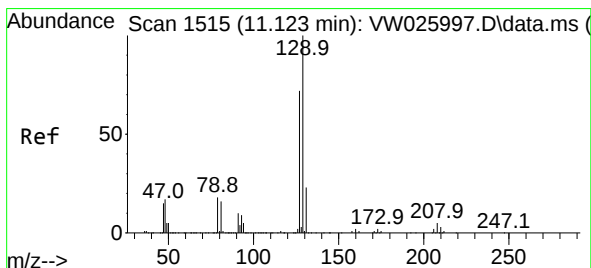
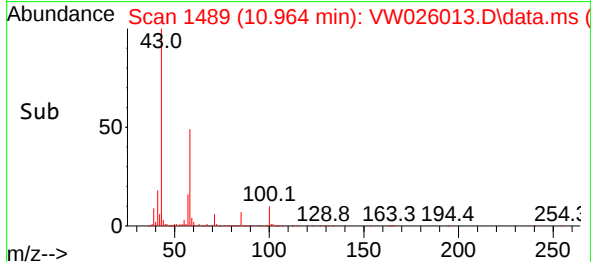
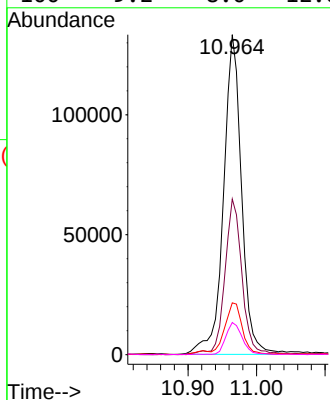
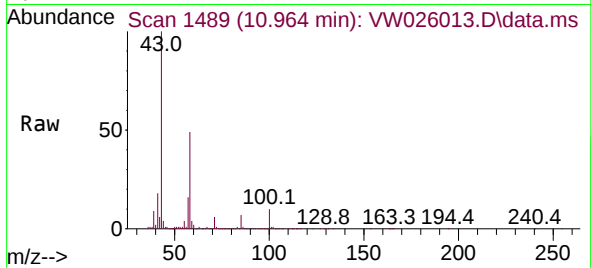




#48  
2-Hexanone  
Concen: 52.079 ug/L  
RT: 10.964 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

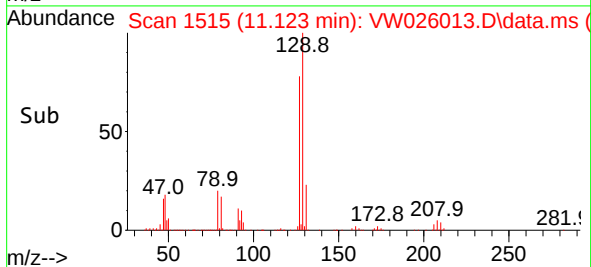
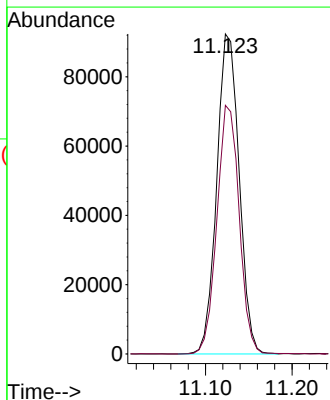
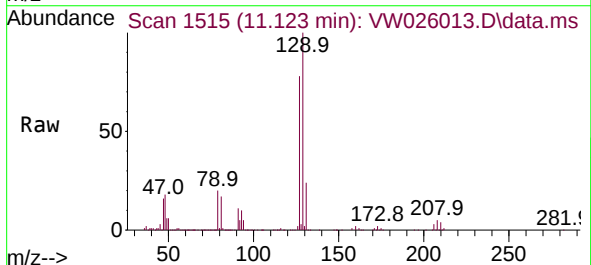
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

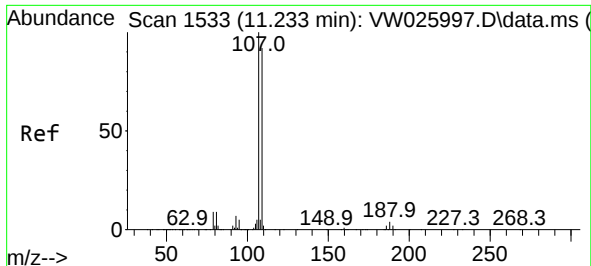
Tgt Ion: 43 Resp: 243776  
Ion Ratio Lower Upper  
43 100  
58 44.9 40.8 61.2  
57 15.5 13.6 20.4  
100 9.2 8.0 12.0



#49  
Dibromochloromethane  
Concen: 23.864 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion: 129 Resp: 165903  
Ion Ratio Lower Upper  
129 100  
127 77.7 56.1 104.3





#50

1,2-Dibromoethane

Concen: 24.590 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MSD

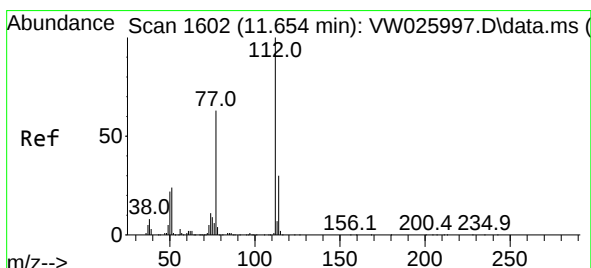
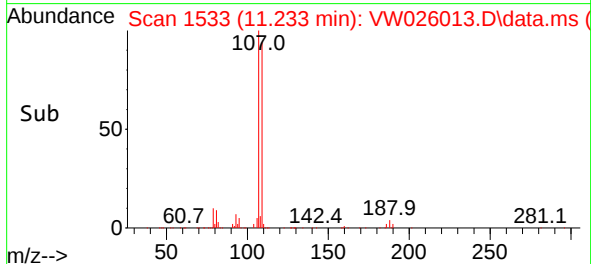
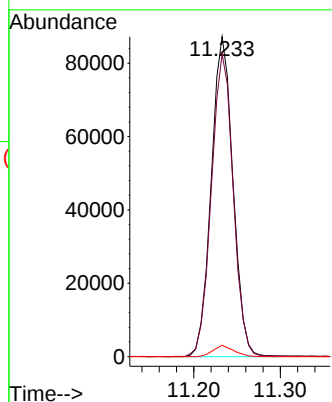
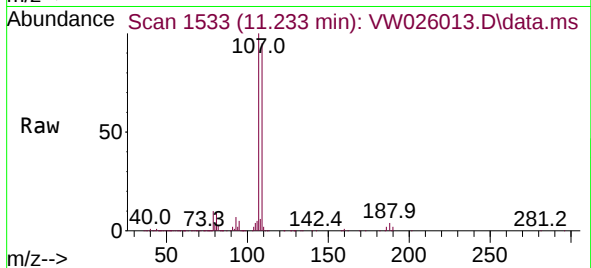
Tgt Ion:107 Resp: 152221

Ion Ratio Lower Upper

107 100

109 94.6 67.5 125.4

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 24.976 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

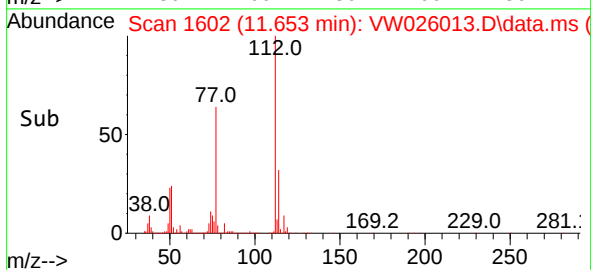
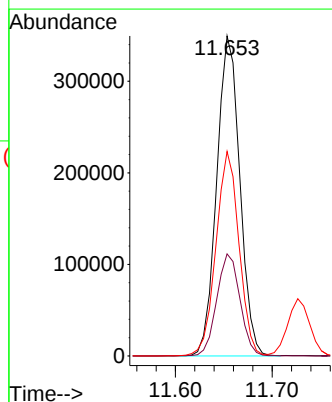
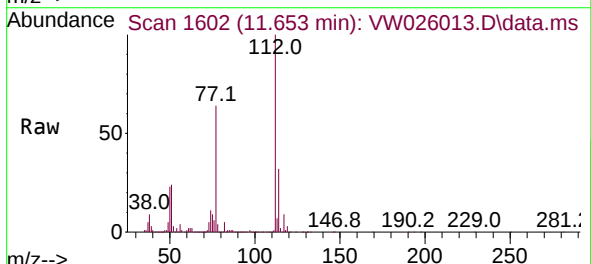
Tgt Ion:112 Resp: 579254

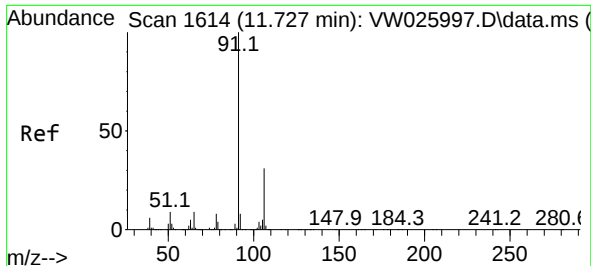
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 63.9 53.0 79.6

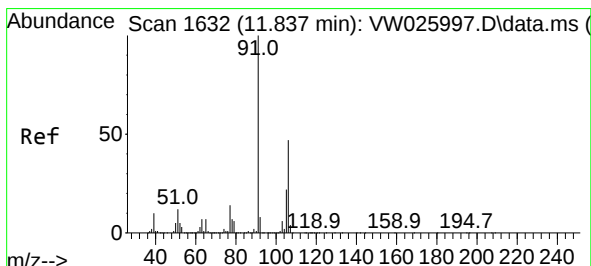
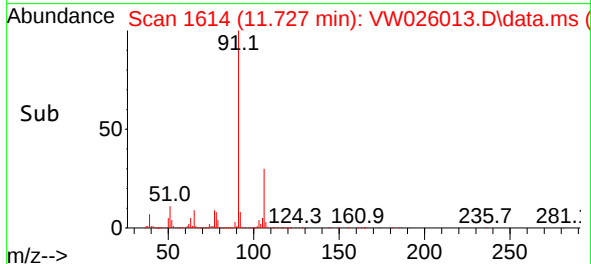
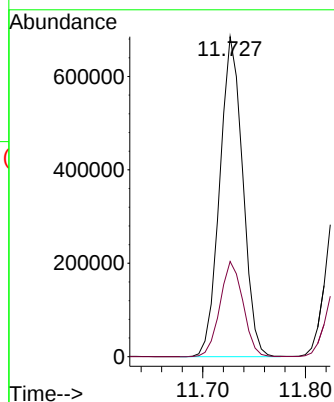
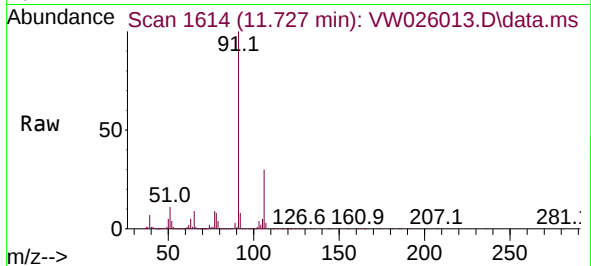




#52  
Ethylbenzene  
Concen: 25.277 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

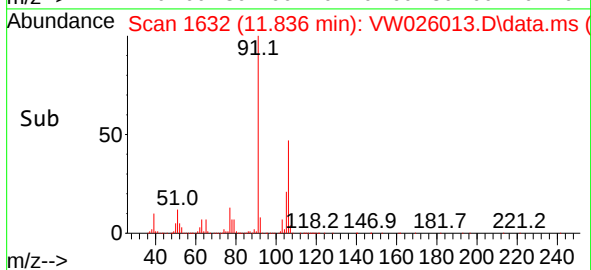
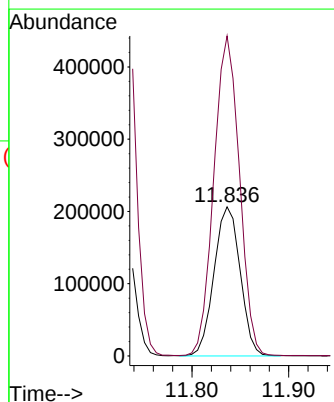
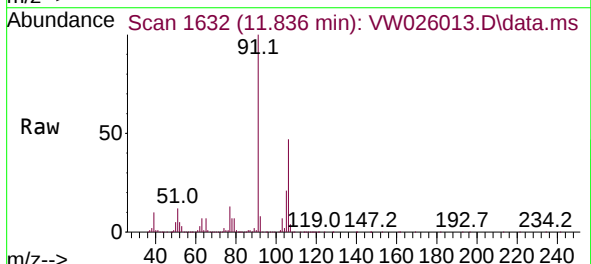
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

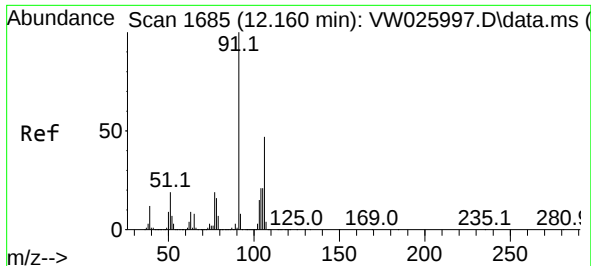
Tgt Ion: 91 Resp: 1064473  
Ion Ratio Lower Upper  
91 100  
106 29.7 20.8 38.6



#53  
m,p-Xylene  
Concen: 24.996 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion:106 Resp: 387430  
Ion Ratio Lower Upper  
106 100  
91 214.6 150.1 278.9

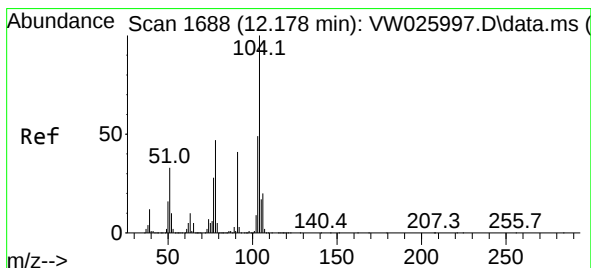
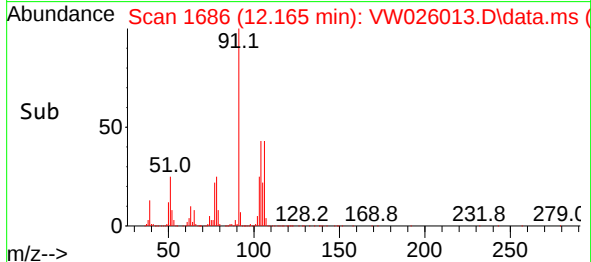
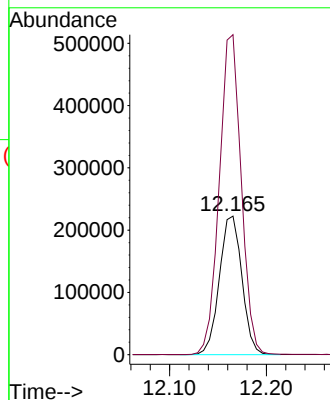
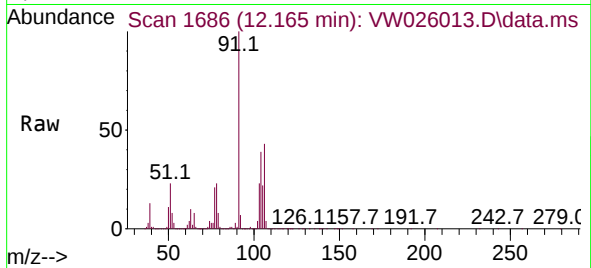




#54  
o-Xylene  
Concen: 24.595 ug/L  
RT: 12.165 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

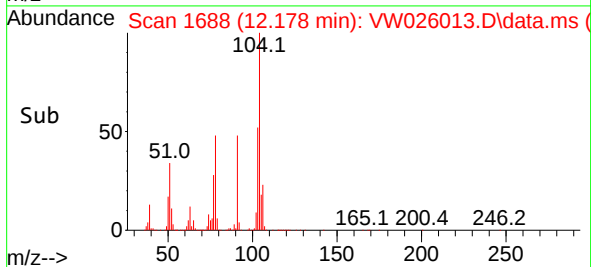
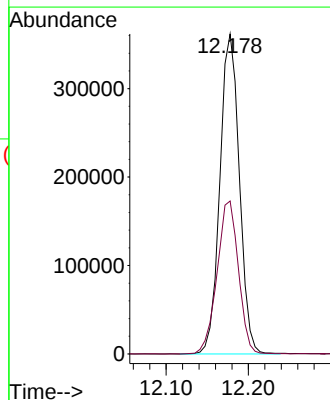
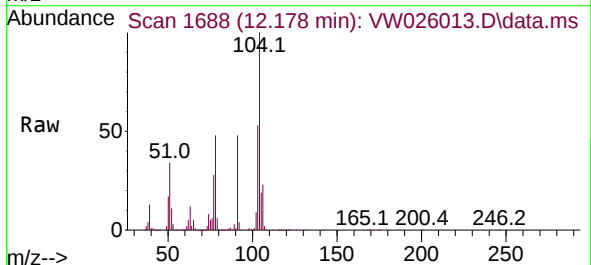
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

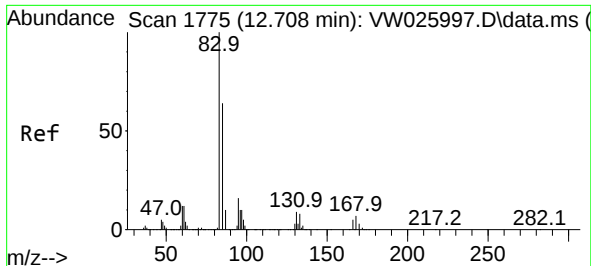
Tgt Ion:106 Resp: 359314  
Ion Ratio Lower Upper  
106 100  
91 230.9 157.8 293.1



#55  
Styrene  
Concen: 23.818 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion:104 Resp: 595553  
Ion Ratio Lower Upper  
104 100  
78 47.8 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 23.432 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MSD

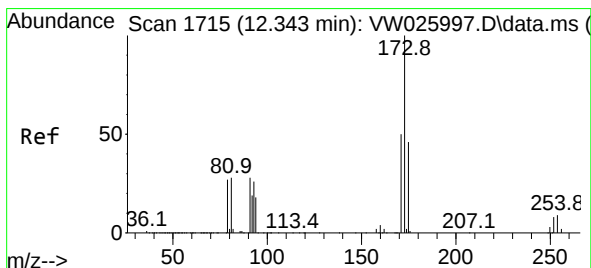
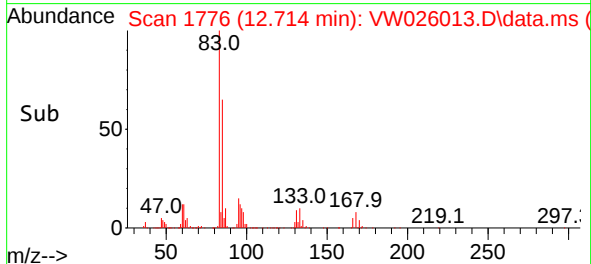
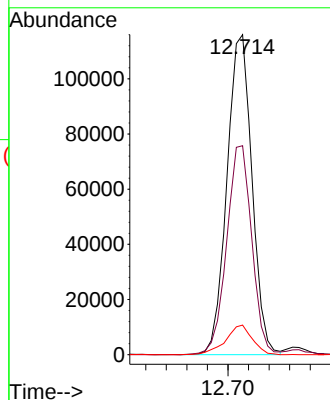
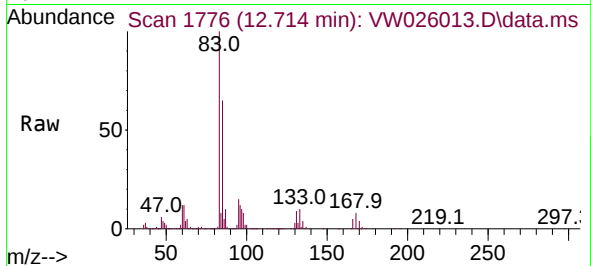
Tgt Ion: 83 Resp: 196329

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.8

131 9.3 8.1 12.1



#59

Bromoform

Concen: 28.583 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

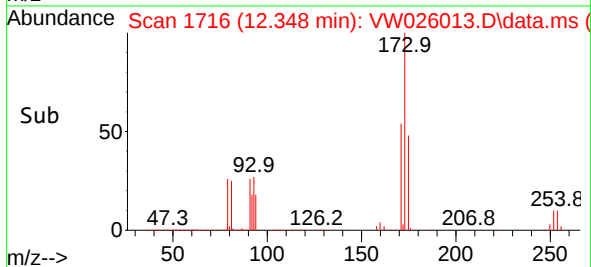
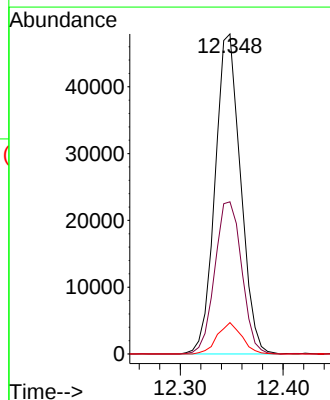
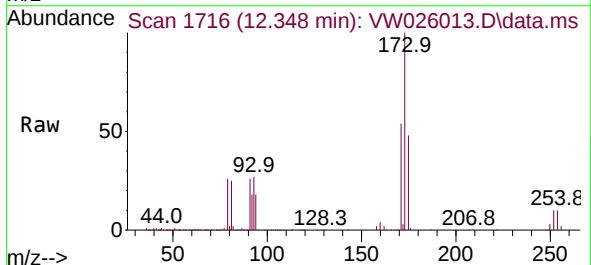
Tgt Ion:173 Resp: 82544

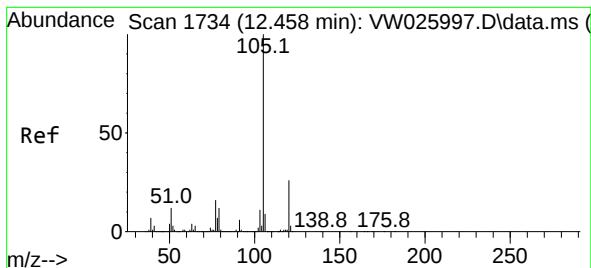
Ion Ratio Lower Upper

173 100

175 50.2 38.6 57.8

254 9.4 7.6 11.4





#60

Isopropylbenzene

Concen: 31.595 ug/L

RT: 12.464 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MSD

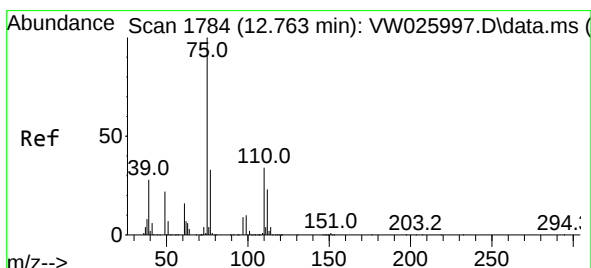
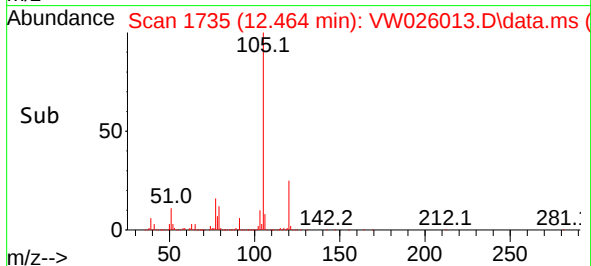
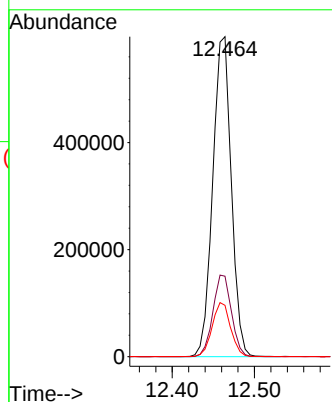
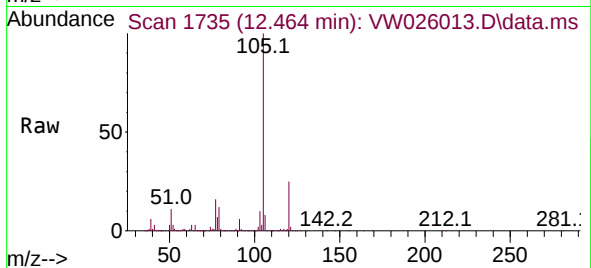
Tgt Ion:105 Resp: 936330

Ion Ratio Lower Upper

105 100

120 25.6 21.1 31.7

77 16.9 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 32.868 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

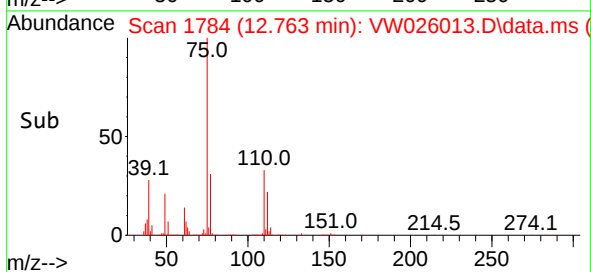
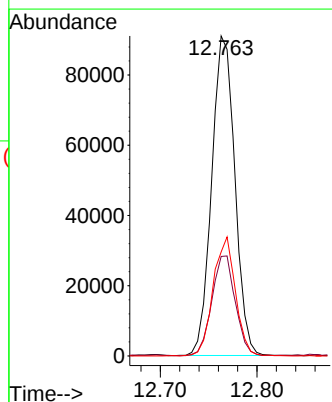
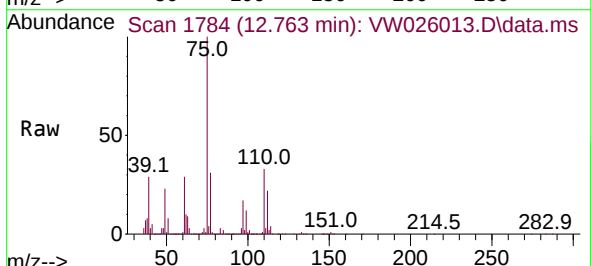
Tgt Ion: 75 Resp: 151447

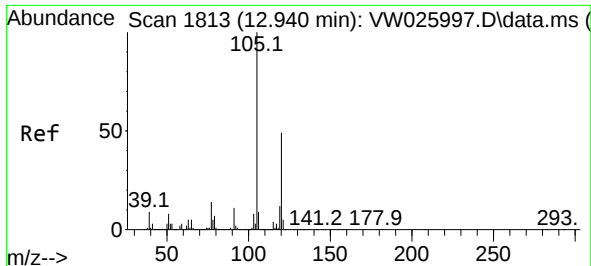
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

110 35.9 27.6 41.4

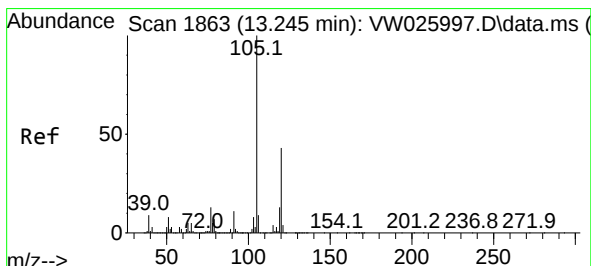
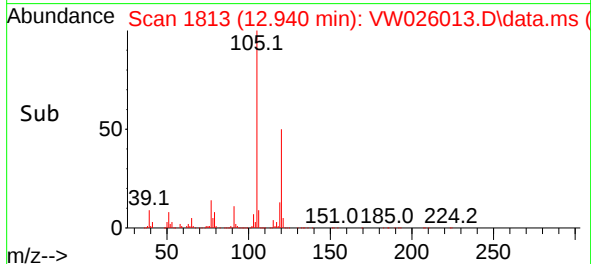
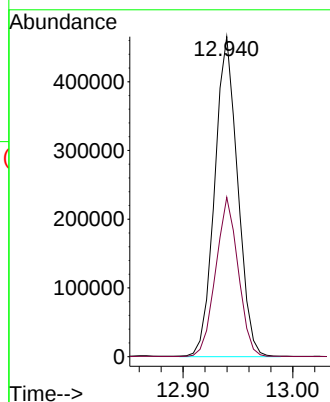
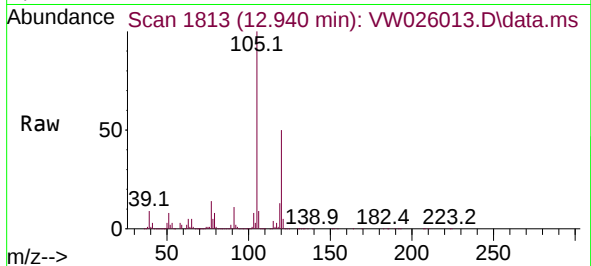




#62  
1,3,5-Trimethylbenzene  
Concen: 28.924 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

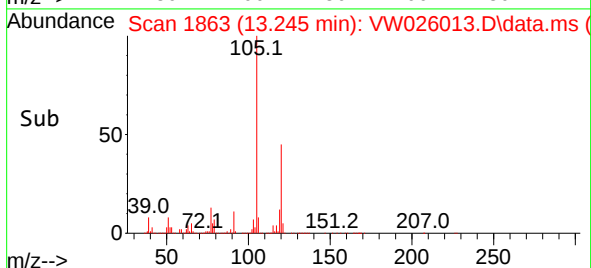
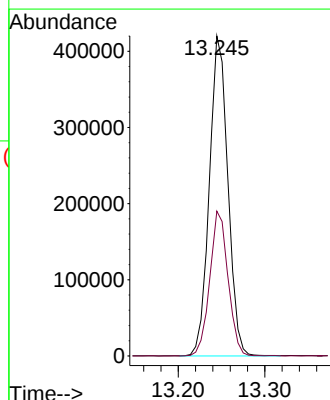
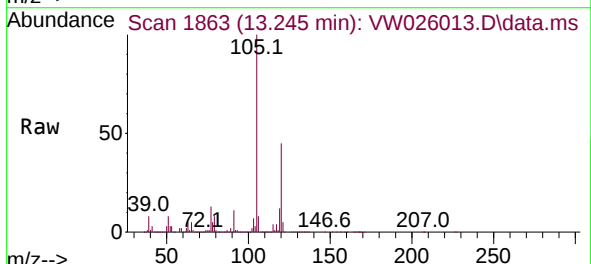
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MSD

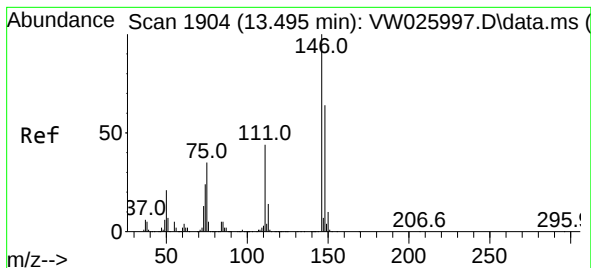
Tgt Ion:105 Resp: 678928  
Ion Ratio Lower Upper  
105 100  
120 48.6 37.1 55.7



#63  
1,2,4-Trimethylbenzene  
Concen: 28.811 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW026013.D  
Acq: 19 May 2023 18:28

Tgt Ion:105 Resp: 624070  
Ion Ratio Lower Upper  
105 100  
120 44.6 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 24.284 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MSD

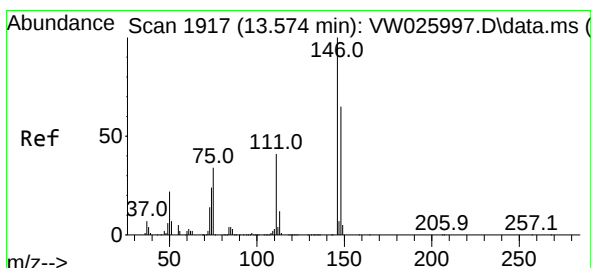
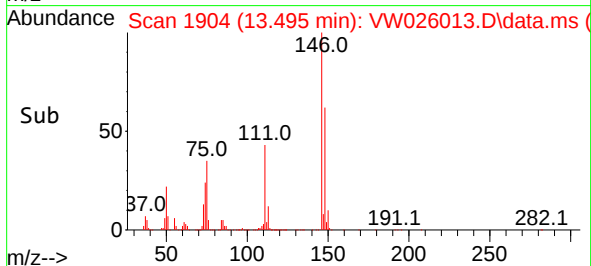
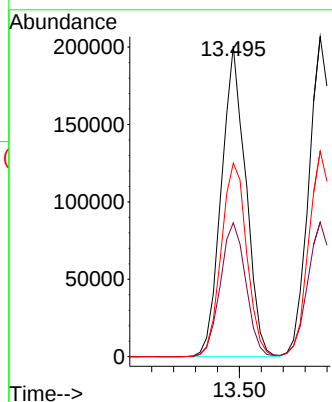
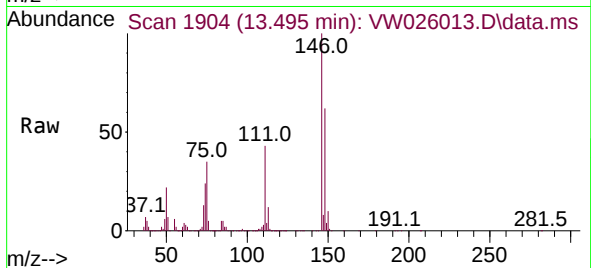
Tgt Ion:146 Resp: 309804

Ion Ratio Lower Upper

146 100

111 43.1 30.4 56.4

148 62.3 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 24.998 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

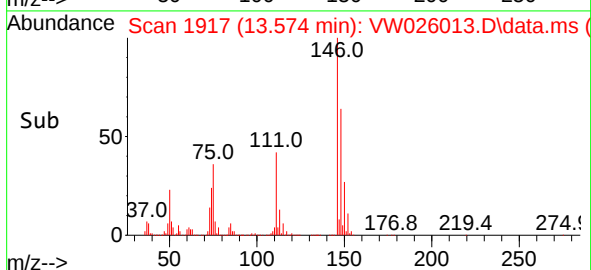
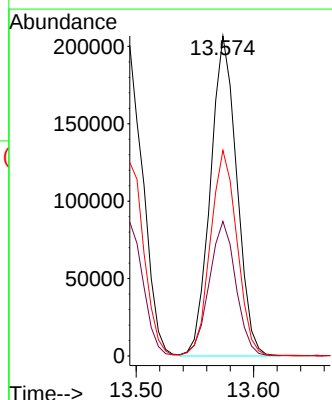
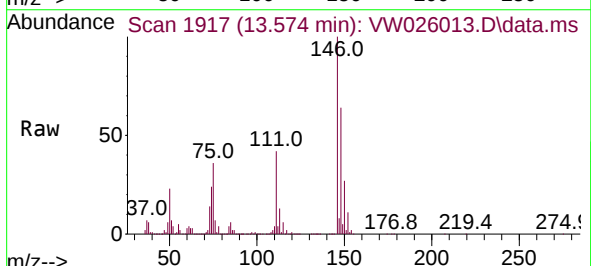
Tgt Ion:146 Resp: 322201

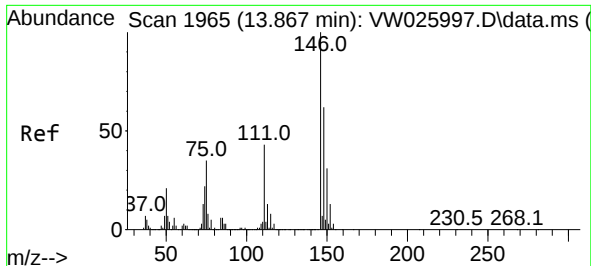
Ion Ratio Lower Upper

146 100

111 42.0 27.9 51.9

148 64.2 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 24.593 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MSD

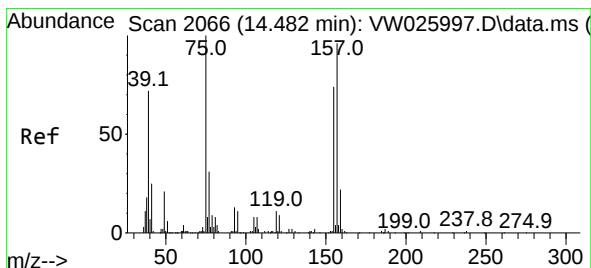
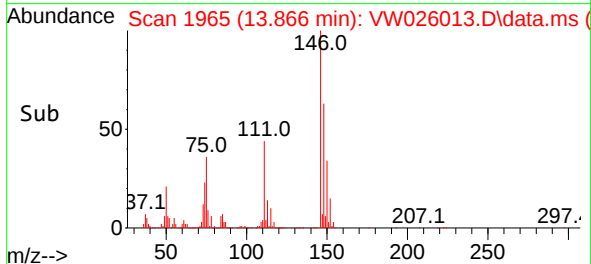
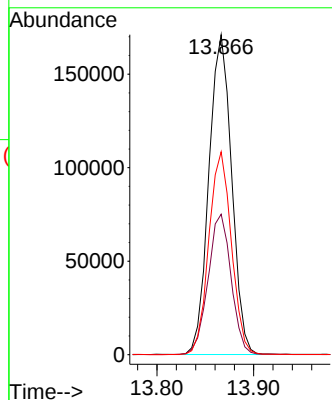
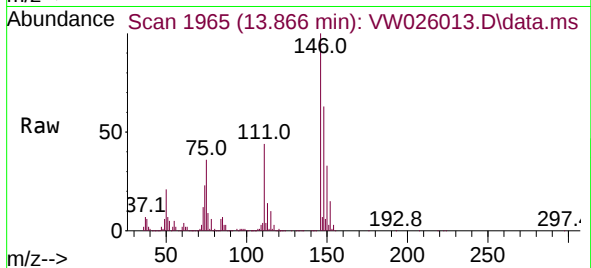
Tgt Ion:146 Resp: 279811

Ion Ratio Lower Upper

146 100

111 43.9 37.7 56.5

148 63.4 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 26.440 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

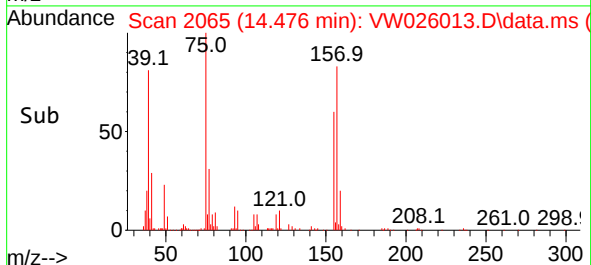
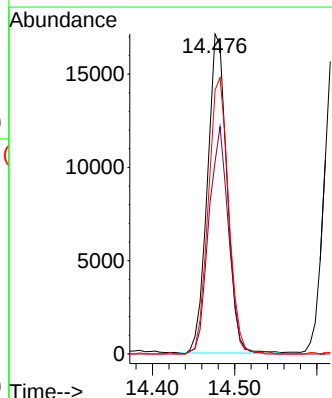
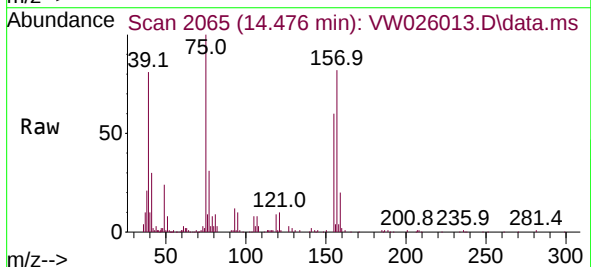
Tgt Ion: 75 Resp: 28250

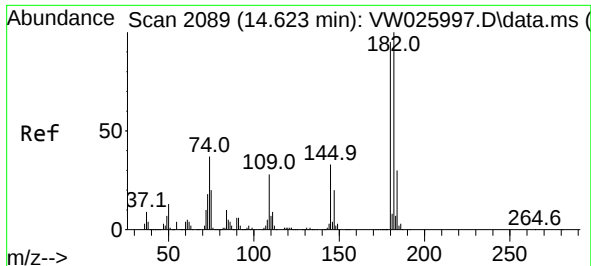
Ion Ratio Lower Upper

75 100

155 60.1 56.3 84.5

157 82.5 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 16.917 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MSD

Tgt Ion:180 Resp: 143257

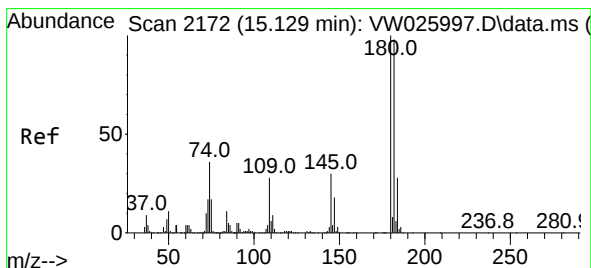
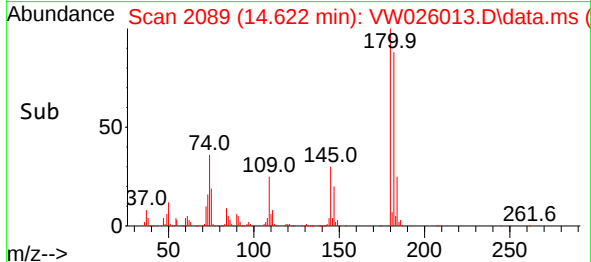
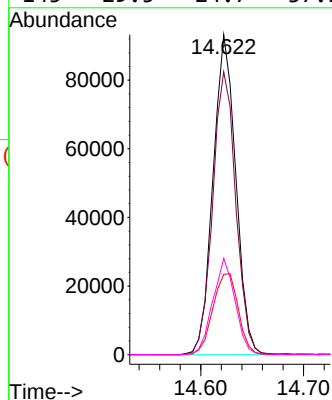
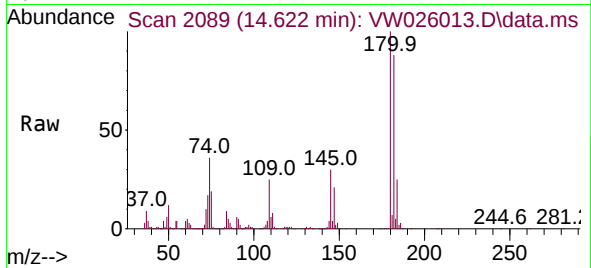
Ion Ratio Lower Upper

180 100

182 89.9 77.4 116.0

184 28.4 24.7 37.1

145 29.5 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 13.712 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

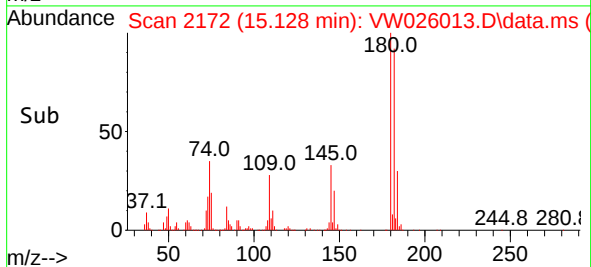
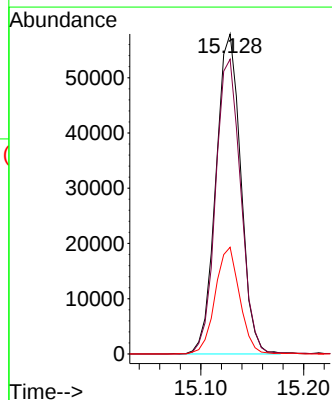
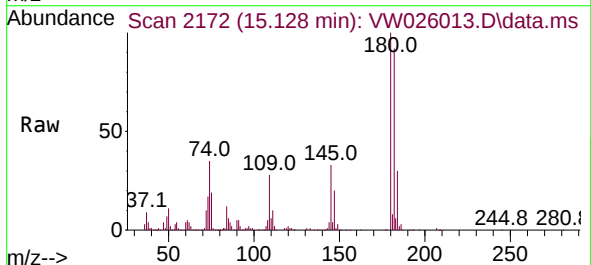
Tgt Ion:180 Resp: 97278

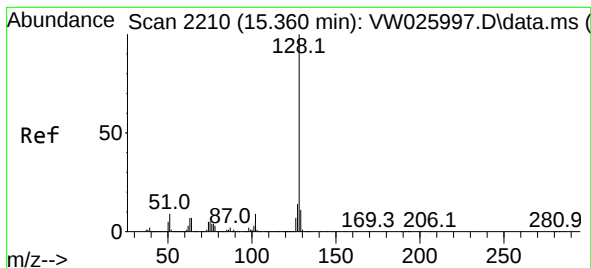
Ion Ratio Lower Upper

180 100

182 92.9 74.3 111.5

145 32.8 25.4 38.0





#71

Naphthalene

Concen: 16.120 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MSD

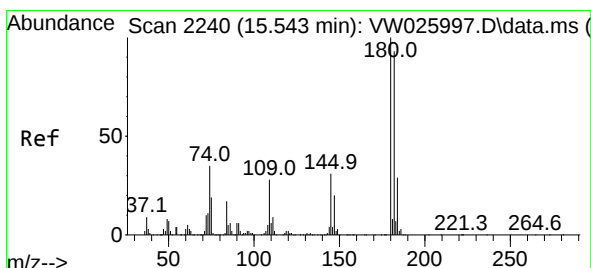
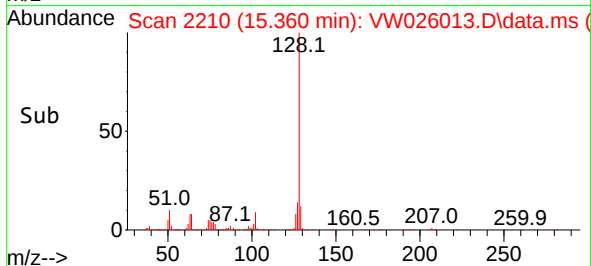
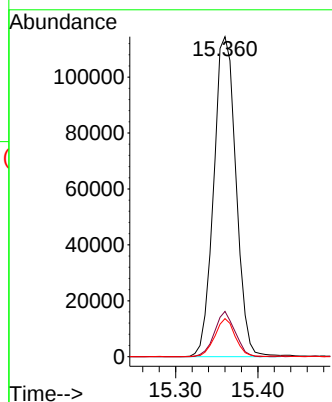
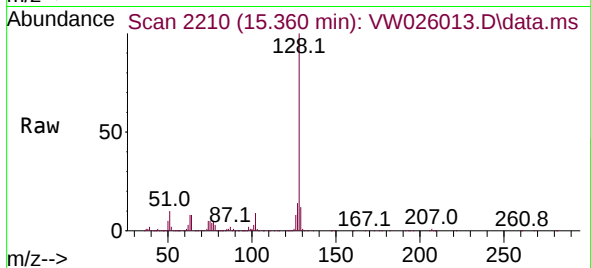
Tgt Ion:128 Resp: 215851

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 12.954 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW026013.D

Acq: 19 May 2023 18:28

Tgt Ion:180 Resp: 81545

Ion Ratio Lower Upper

180 100

182 92.4 76.1 114.1

145 33.8 28.0 42.0

