

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW063023\  
 Data File : VW026482.D  
 Acq On : 30 Jun 2023 19:06  
 Operator : SY/MD  
 Sample : 03478-03MSD  
 Misc : 5.53g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 YBW57MSD

Quant Time: Jun 30 23:44:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 30 23:38:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 910483   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 752871   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 309724   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 252247   | 24.332   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.320%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 198238   | 23.484   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 93.920%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 120186   | 23.171   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 92.680%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 162055   | 41.364   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 82.720%  |
| 24) Chloroform-d              | 7.673  | 84    | 61007    | 2.749    | ug/L   | 0.02     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 11.000%# |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 291323   | 24.016   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 96.080%  |
| 32) Benzene-d6                | 8.270  | 84    | 1069055  | 24.416   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.680%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 352819   | 25.282   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.120% |
| 41) Toluene-d8                | 10.319 | 98    | 906565   | 23.439   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 93.760%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 126160   | 22.428   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.720%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 88513    | 37.926   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 75.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 0.000  | 84    | 0d       | 0.000    | ug/L   |          |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 0.000%#  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 245904   | 22.801   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 91.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 215289   | 24.232   | ug/L   | 99       |
| 3) Chloromethane              | 2.229  | 50    | 308535   | 24.636   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 291402   | 22.576   | ug/L   | 99       |
| 6) Bromomethane               | 2.783  | 94    | 158353   | 21.573   | ug/L   | 97       |
| 8) Chloroethane               | 2.930  | 64    | 171533   | 21.912   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.259  | 101   | 204819   | 21.823   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 235197   | 22.577   | ug/L # | 73       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 256624   | 25.169   | ug/L   | 90       |
| 13) Acetone                   | 4.118  | 43    | 185305   | 66.955   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.393  | 76    | 646882   | 19.604   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 276757   | 17.989   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 241217   | 21.993   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 463622   | 25.866   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 526152   | 23.841   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 277402   | 22.329   | ug/L   | 98       |
| 22) 2-Butanone                | 7.167  | 43    | 257937   | 56.845   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.514  | 128   | 117194   | 22.682   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 944072   | 44.073   | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 8.398  | 62    | 331844   | 22.657   | ug/L   | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Jun 30 23:44:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 30 23:38:58 2023  
 Response via : Initial Calibration

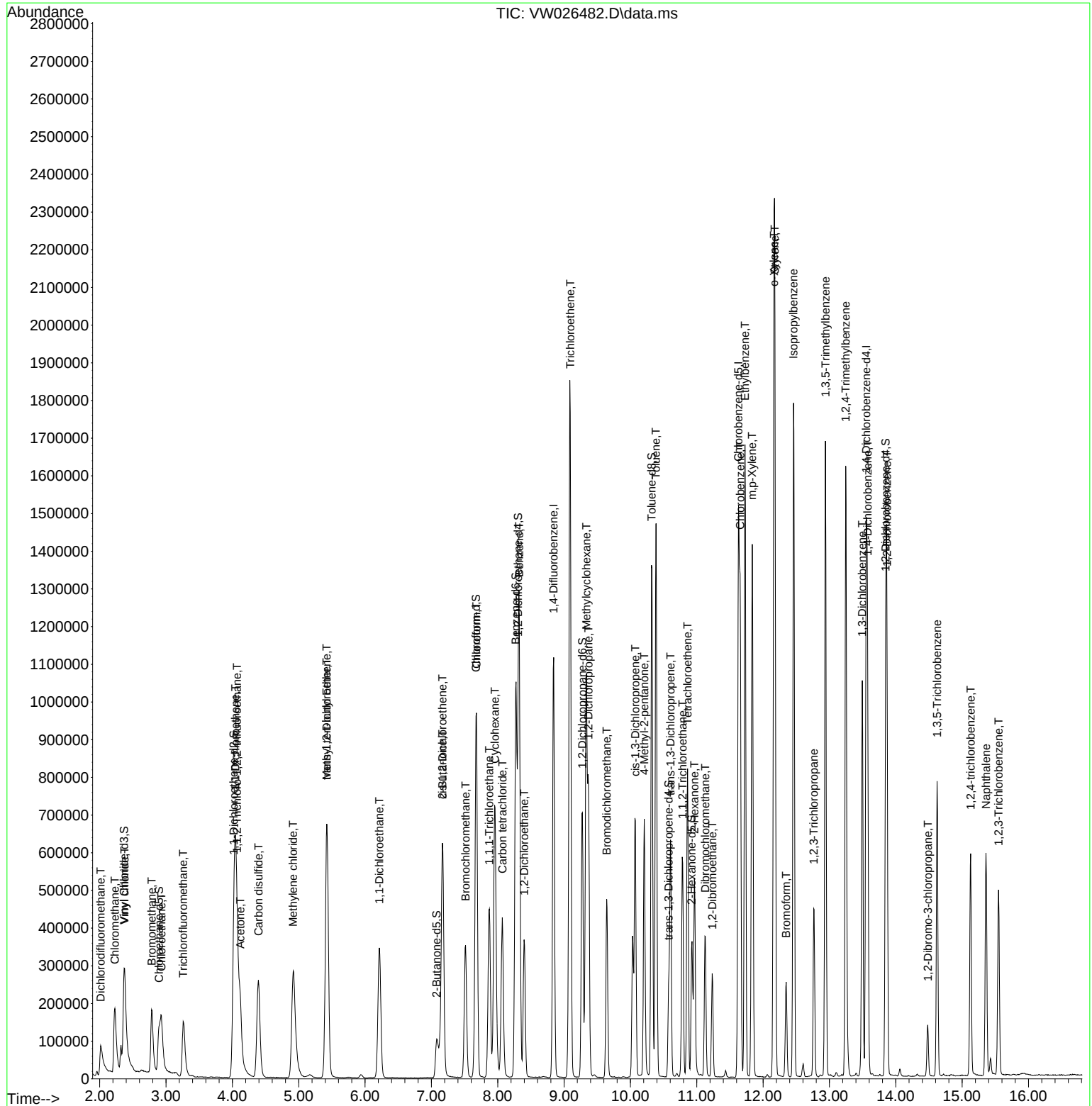
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 29) Cyclohexane               | 7.959  | 56   | 457674   | 21.444 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 378057   | 23.573 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 323600   | 22.411 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 1085075  | 23.015 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 572025   | 47.629 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 422369   | 19.741 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 298980   | 23.888 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 322288   | 22.942 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 418417   | 22.336 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 476127   | 55.405 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 1067834  | 22.138 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 338301   | 22.097 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 177953   | 20.872 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 177008   | 20.846 | ug/L  | 90       |
| 48) 2-Hexanone                | 10.965 | 43   | 367288   | 63.676 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 199043   | 23.439 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 186139   | 23.743 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 629860   | 21.105 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 1168629  | 21.530 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 429008   | 21.315 | ug/L  | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 414650   | 22.213 | ug/L  | 93       |
| 55) Styrene                   | 12.178 | 104  | 688410   | 21.605 | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 113031   | 27.561 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1125872  | 24.922 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 197557   | 29.183 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 876499   | 24.399 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 866552   | 24.692 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 400909   | 21.152 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 401727   | 21.311 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 373606   | 21.782 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 36674    | 23.641 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 226017   | 17.517 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 178888   | 16.019 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 491726   | 21.602 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 155135   | 16.154 | ug/L  | 98       |

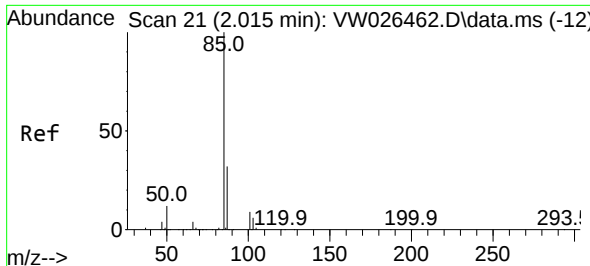
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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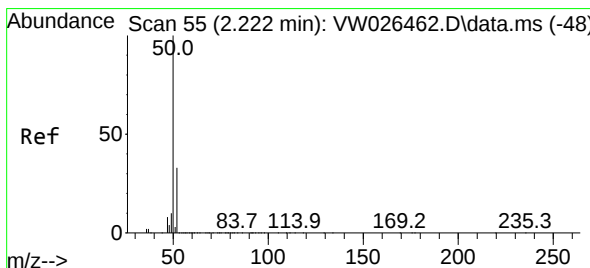
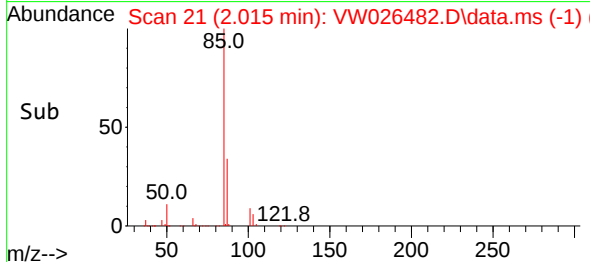
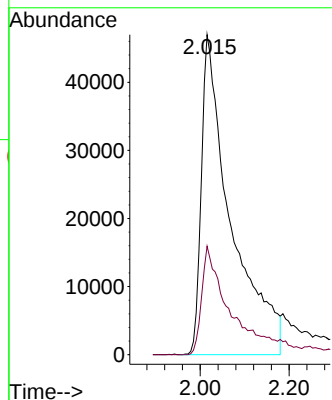
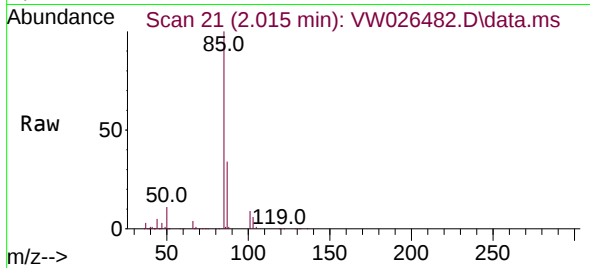




#2  
 Dichlorodifluoromethane  
 Concen: 24.232 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW026482.D  
 Acq: 30 Jun 2023 19:06

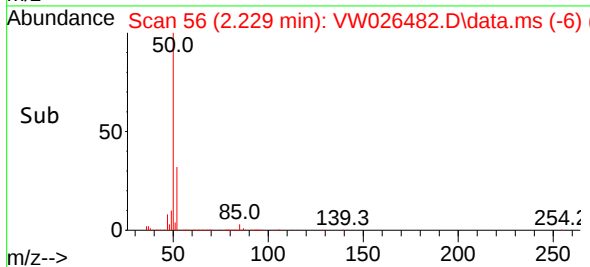
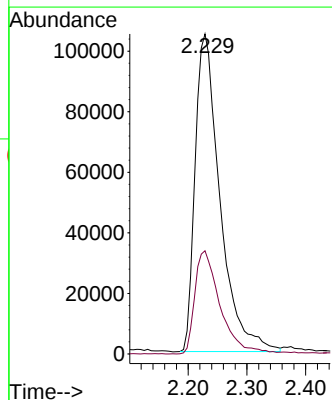
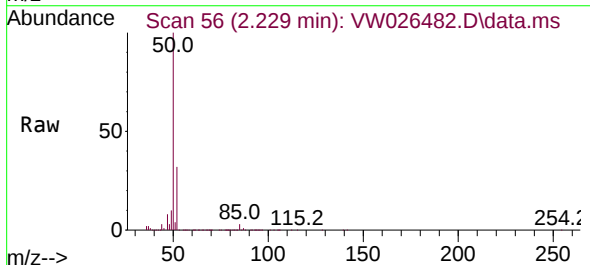
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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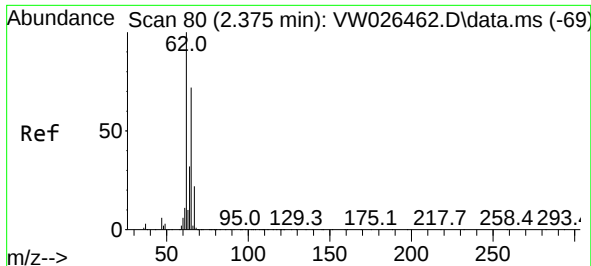
Tgt Ion: 85 Resp: 215289  
 Ion Ratio Lower Upper  
 85 100  
 87 23.2 19.0 28.4



#3  
 Chloromethane  
 Concen: 24.636 ug/L  
 RT: 2.229 min Scan# 56  
 Delta R.T. 0.006 min  
 Lab File: VW026482.D  
 Acq: 30 Jun 2023 19:06

Tgt Ion: 50 Resp: 308535  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 21.7 40.3

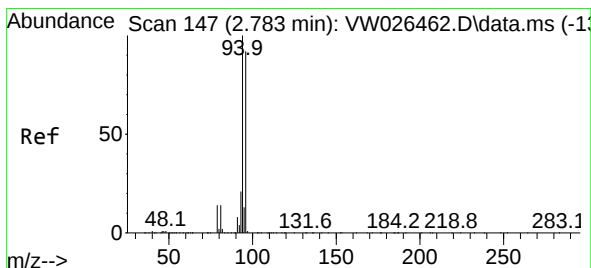
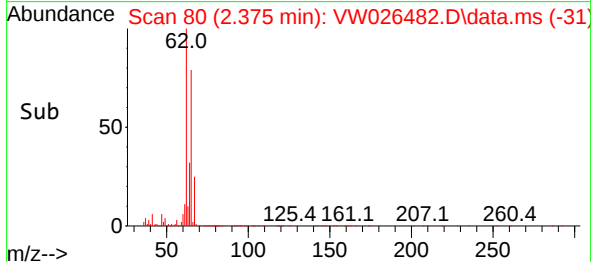
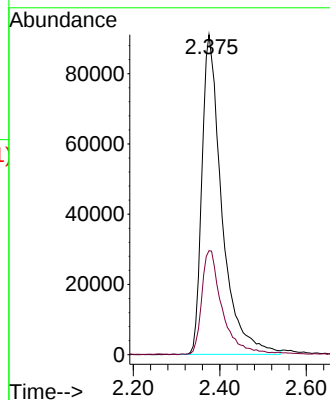
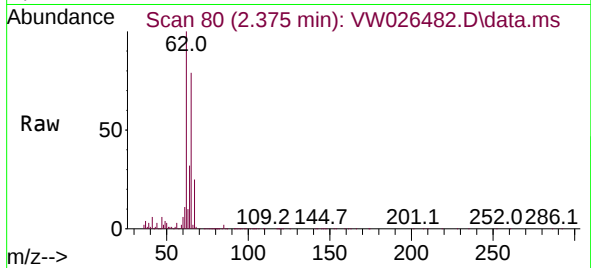




#5  
 Vinyl chloride  
 Concen: 22.576 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW026482.D  
 Acq: 30 Jun 2023 19:06

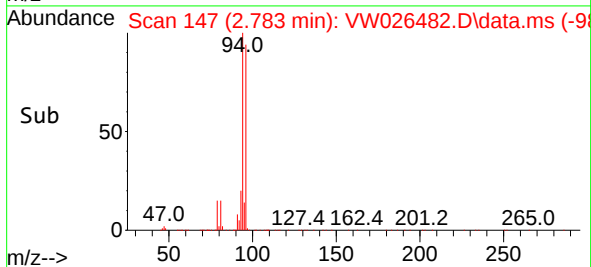
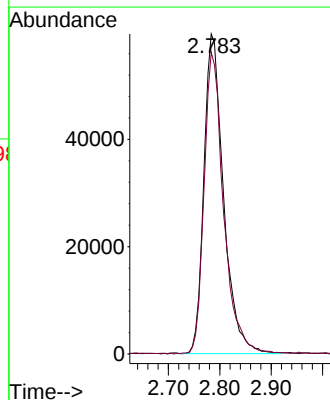
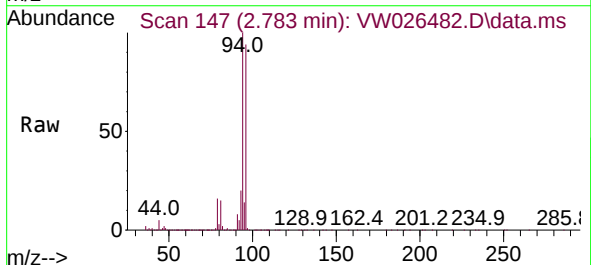
Instrument :  
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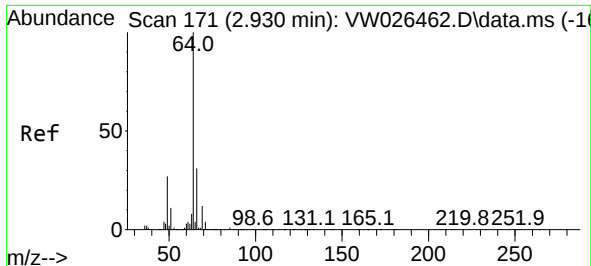
Tgt Ion: 62 Resp: 291402  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 23.0 42.8



#6  
 Bromomethane  
 Concen: 21.573 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. 0.000 min  
 Lab File: VW026482.D  
 Acq: 30 Jun 2023 19:06

Tgt Ion: 94 Resp: 158353  
 Ion Ratio Lower Upper  
 94 100  
 96 94.2 64.3 119.3

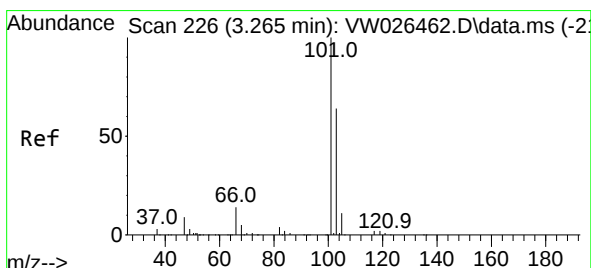
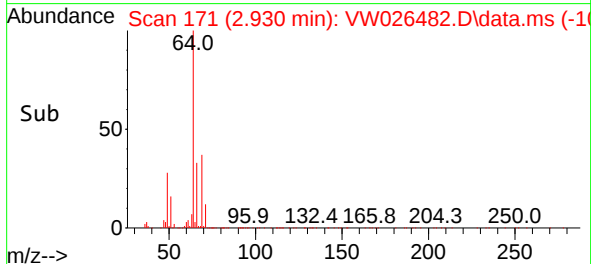
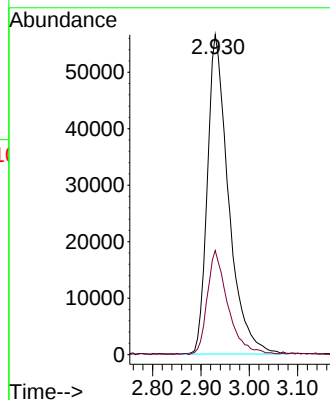
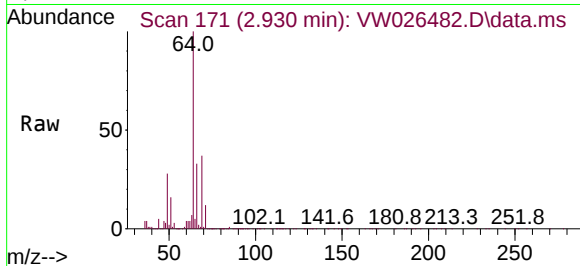




#8  
Chloroethane  
Concen: 21.912 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

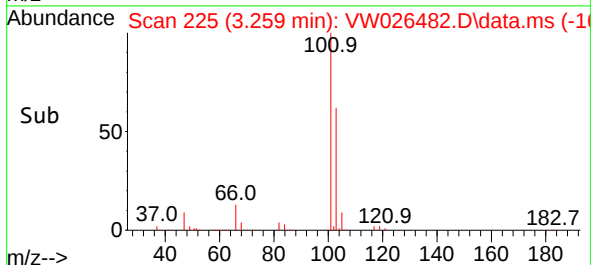
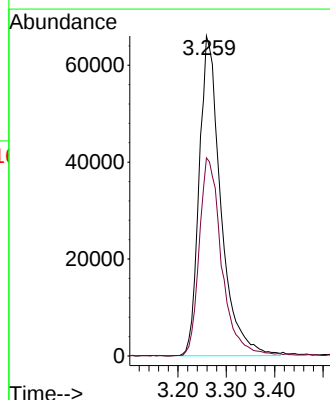
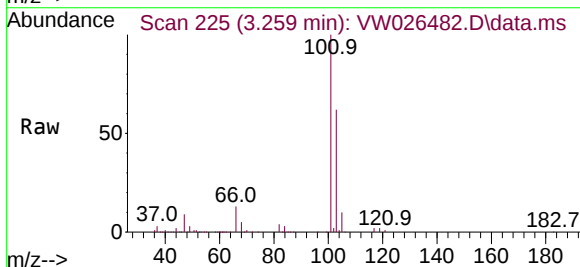
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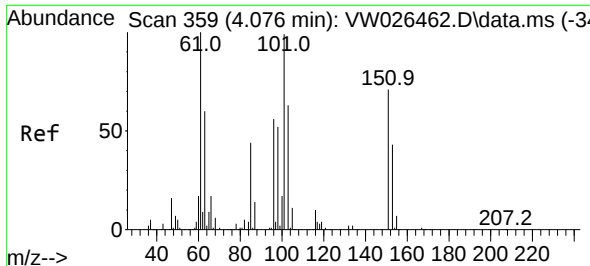
Tgt Ion: 64 Resp: 171533  
Ion Ratio Lower Upper  
64 100  
66 32.5 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 21.823 ug/L  
RT: 3.259 min Scan# 225  
Delta R.T. -0.006 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion:101 Resp: 204819  
Ion Ratio Lower Upper  
101 100  
103 63.8 52.0 78.0

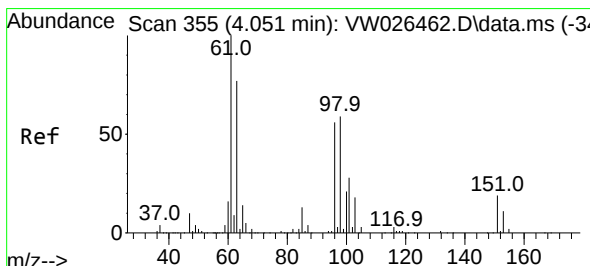
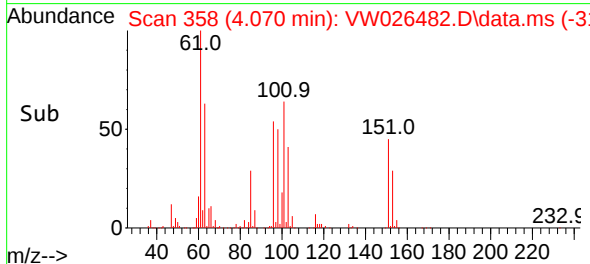
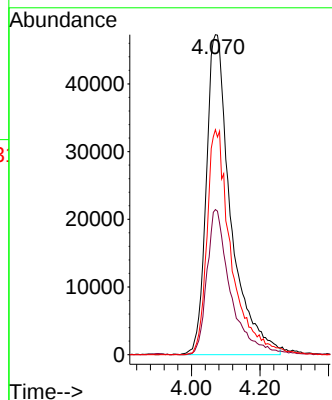
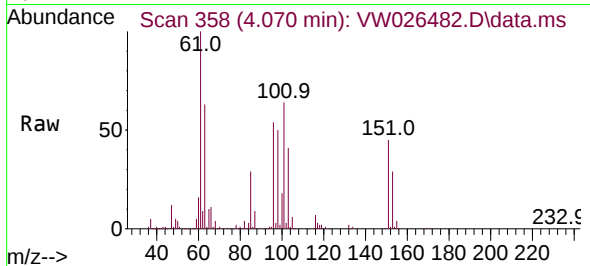




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 22.577 ug/L  
 RT: 4.070 min Scan# 359  
 Delta R.T. -0.006 min  
 Lab File: VW026482.D  
 Acq: 30 Jun 2023 19:06

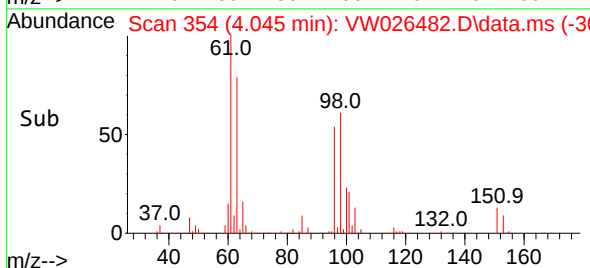
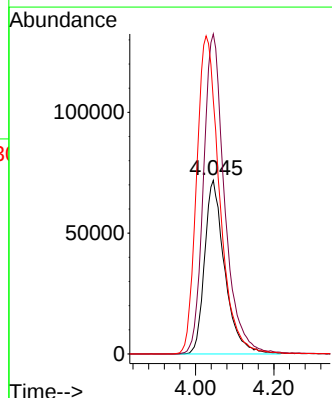
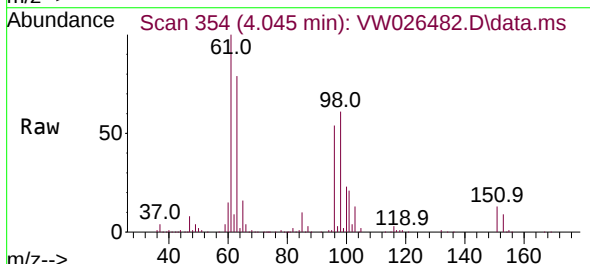
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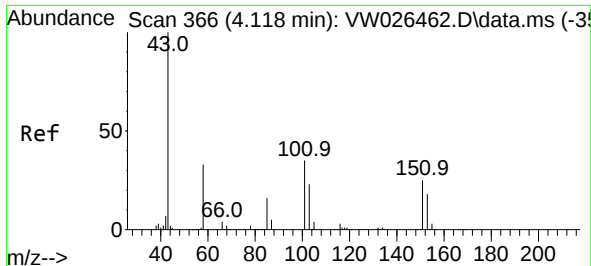
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 Ion Ratio Lower Upper  
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 85 43.1 34.1 51.1  
 151 31.4 53.7 80.5#



#12  
 1,1-Dichloroethene  
 Concen: 25.169 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.006 min  
 Lab File: VW026482.D  
 Acq: 30 Jun 2023 19:06

Tgt Ion: 96 Resp: 256624  
 Ion Ratio Lower Upper  
 96 100  
 61 184.3 134.0 248.8  
 63 146.1 117.1 217.5

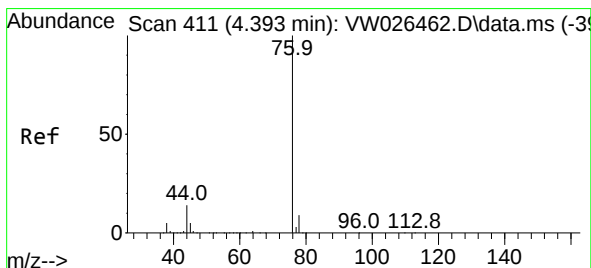
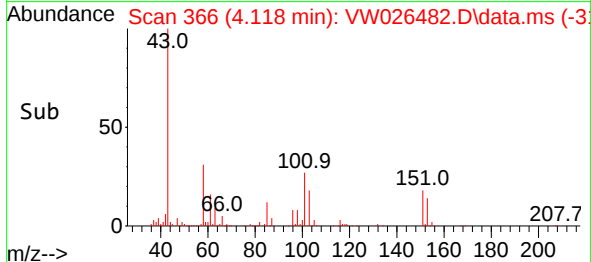
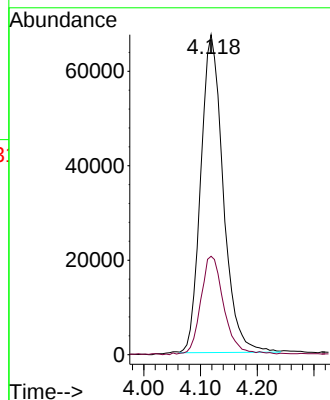
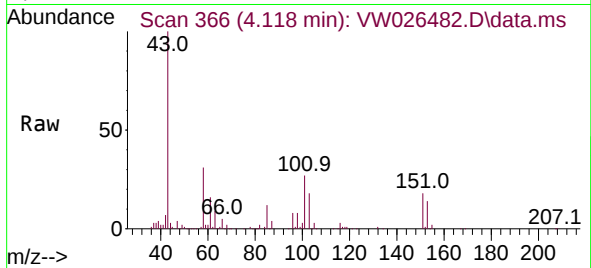




#13  
Acetone  
Concen: 66.955 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

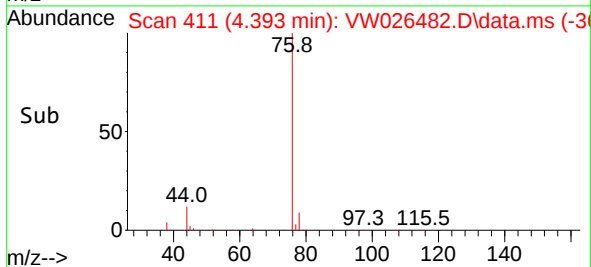
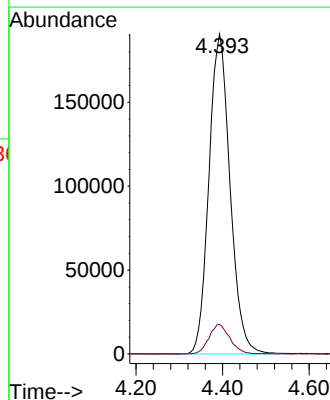
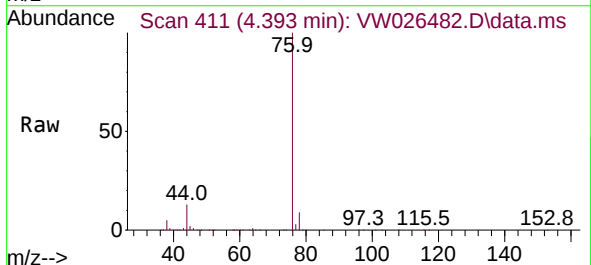
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

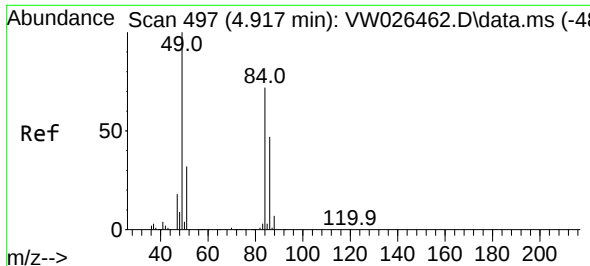
Tgt Ion: 43 Resp: 185305  
Ion Ratio Lower Upper  
43 100  
58 30.9 0.0 63.2



#14  
Carbon disulfide  
Concen: 19.604 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion: 76 Resp: 646882  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.1 10.7

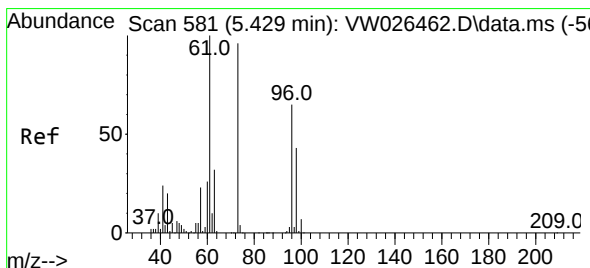
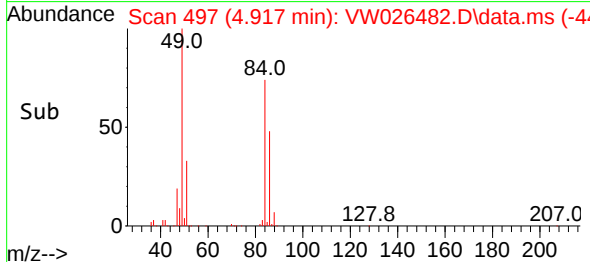
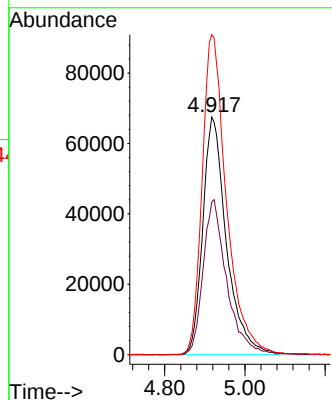
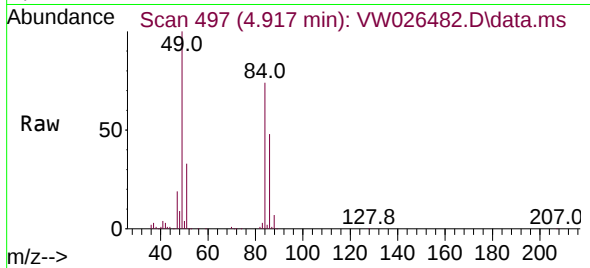




#16  
Methylene chloride  
Concen: 17.989 ug/L  
RT: 4.917 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

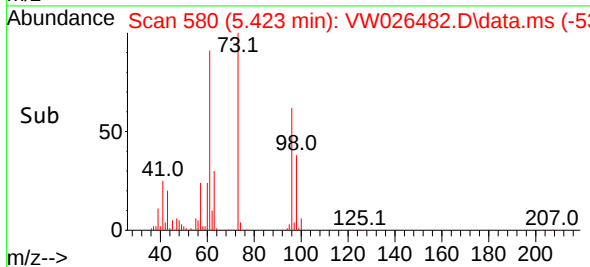
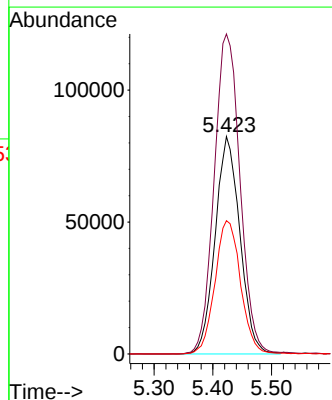
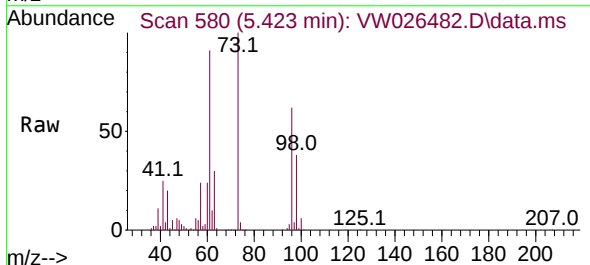
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

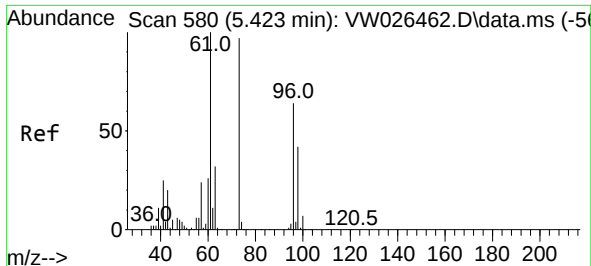
Tgt Ion: 84 Resp: 276757  
Ion Ratio Lower Upper  
84 100  
86 64.3 44.1 81.9  
49 134.8 94.1 174.8



#17  
trans-1,2-Dichloroethene  
Concen: 21.993 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

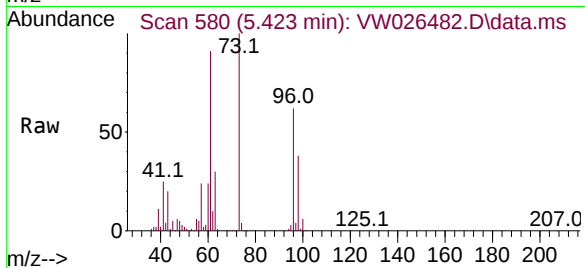
Tgt Ion: 96 Resp: 241217  
Ion Ratio Lower Upper  
96 100  
61 147.2 105.2 195.4  
98 61.3 43.2 80.2



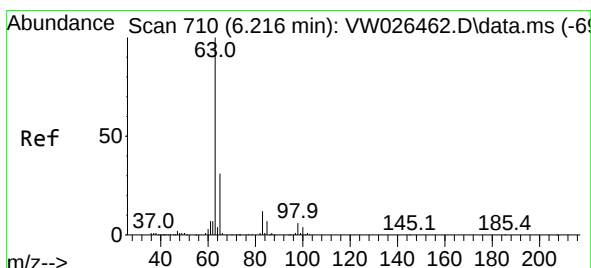
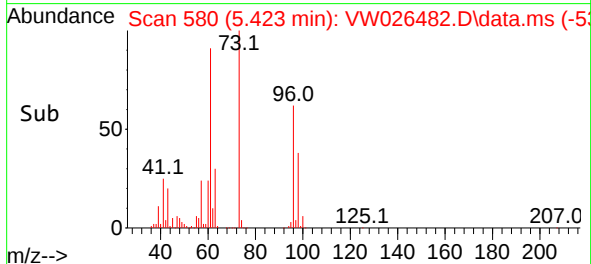
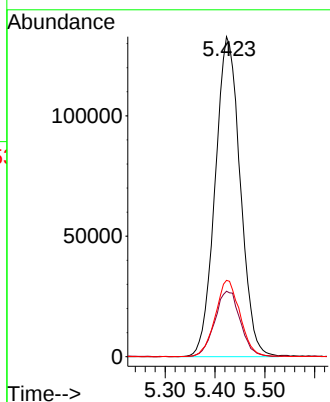


#18  
Methyl tert-butyl Ether  
Concen: 25.866 ug/L  
RT: 5.423 min Scan# 510  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

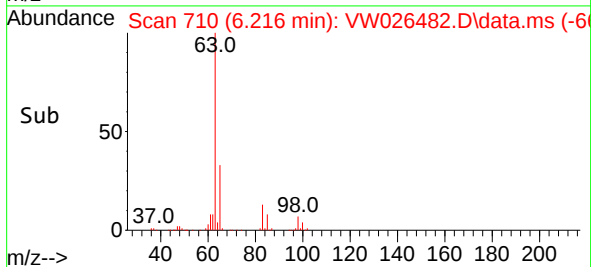
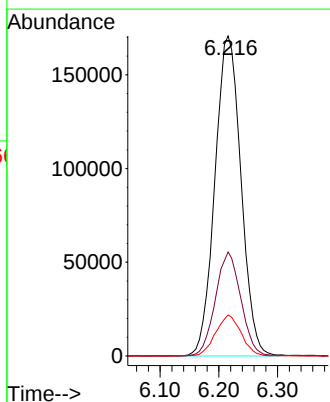
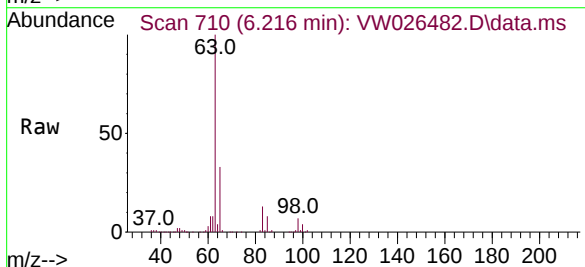


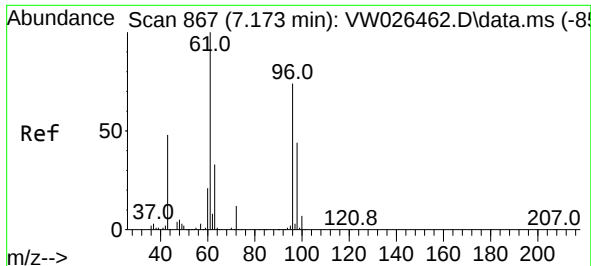
Tgt Ion: 73 Resp: 463622  
Ion Ratio Lower Upper  
73 100  
43 20.8 16.6 25.0  
57 23.5 19.3 28.9



#19  
1,1-Dichloroethane  
Concen: 23.841 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion: 63 Resp: 526152  
Ion Ratio Lower Upper  
63 100  
65 32.5 22.3 41.5  
83 12.8 8.3 15.3

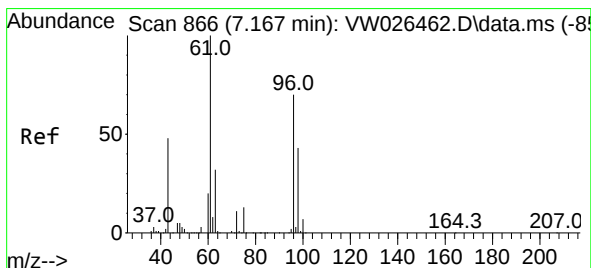
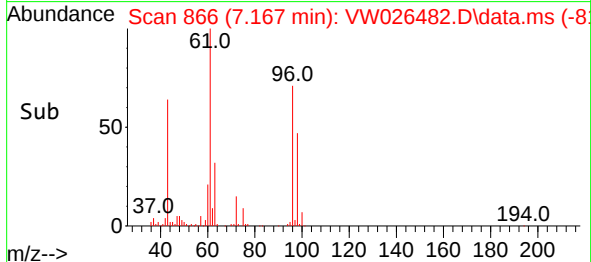
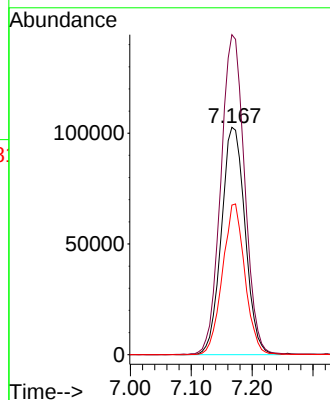
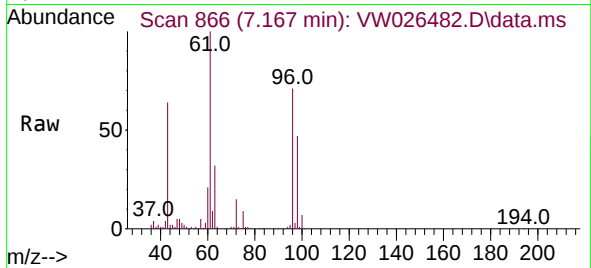




#20  
 cis-1,2-Dichloroethene  
 Concen: 22.329 ug/L  
 RT: 7.167 min Scan# 866  
 Delta R.T. -0.006 min  
 Lab File: VW026482.D  
 Acq: 30 Jun 2023 19:06

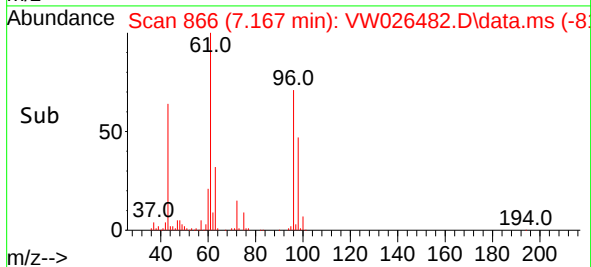
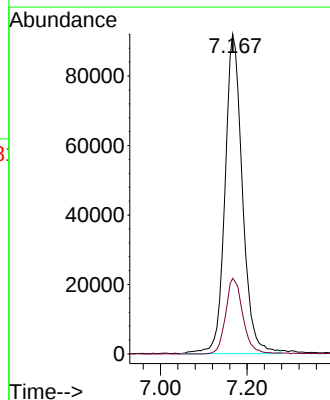
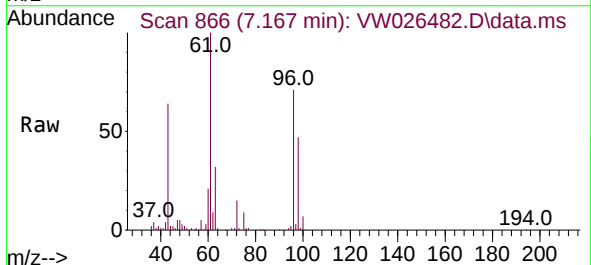
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 YBW57MSD

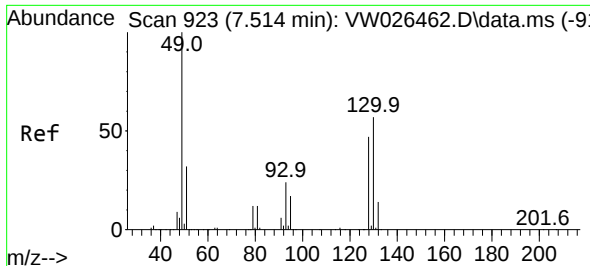
Tgt Ion: 96 Resp: 277402  
 Ion Ratio Lower Upper  
 96 100  
 61 140.8 99.3 184.5  
 98 65.8 44.3 82.3



#22  
 2-Butanone  
 Concen: 56.845 ug/L  
 RT: 7.167 min Scan# 866  
 Delta R.T. 0.000 min  
 Lab File: VW026482.D  
 Acq: 30 Jun 2023 19:06

Tgt Ion: 43 Resp: 257937  
 Ion Ratio Lower Upper  
 43 100  
 72 23.3 12.6 37.8

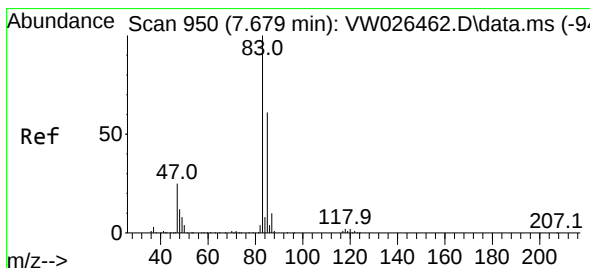
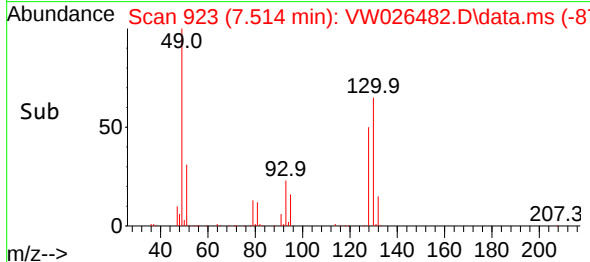
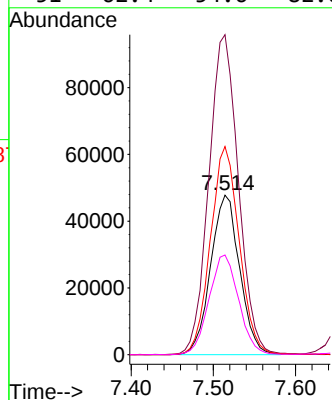
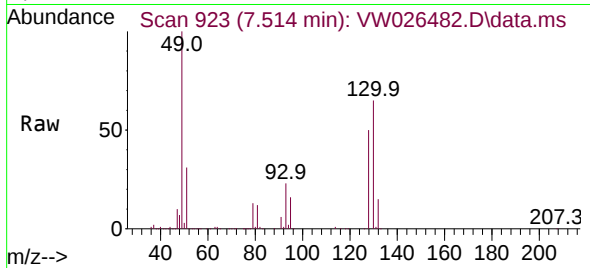




#23  
Bromochloromethane  
Concen: 22.682 ug/L  
RT: 7.514 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

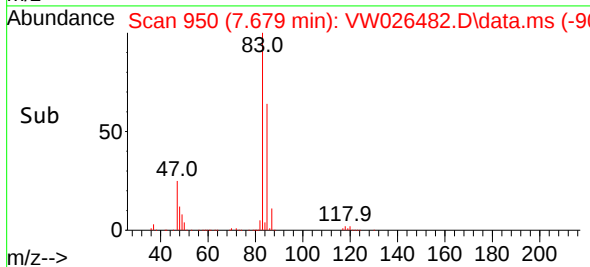
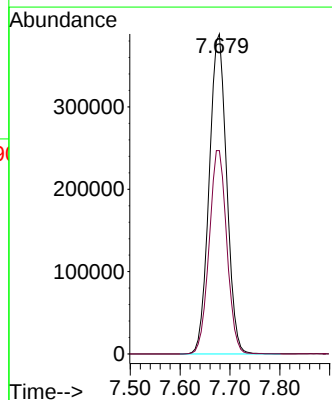
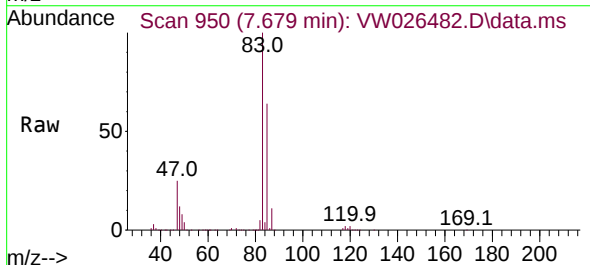
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

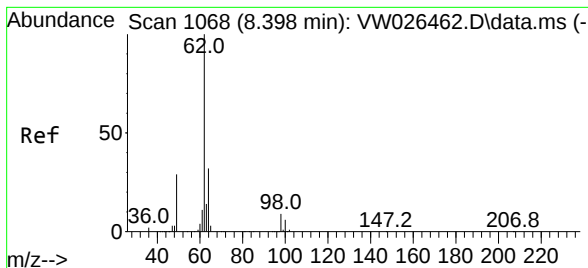
Tgt Ion:128 Resp: 117194  
Ion Ratio Lower Upper  
128 100  
49 200.6 149.2 277.2  
130 130.5 89.2 165.8  
51 62.4 54.6 82.0



#25  
Chloroform  
Concen: 44.073 ug/L  
RT: 7.679 min Scan# 950  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion: 83 Resp: 944072  
Ion Ratio Lower Upper  
83 100  
85 63.5 44.4 82.4





#27

1,2-Dichloroethane

Concen: 22.657 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

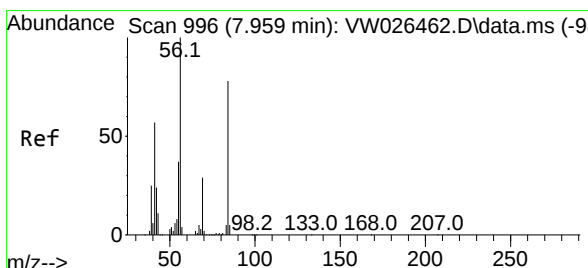
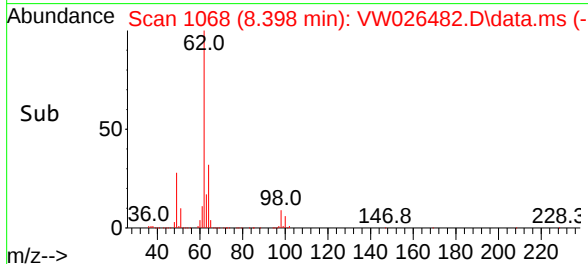
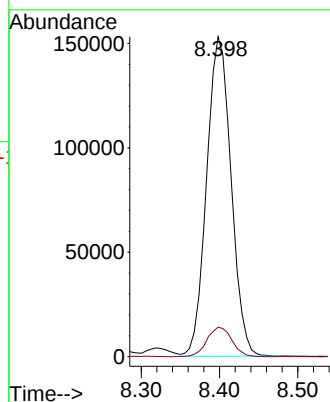
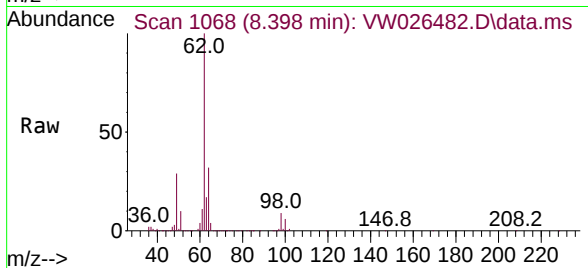
YBW57MSD

Tgt Ion: 62 Resp: 331844

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4



#29

Cyclohexane

Concen: 21.444 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

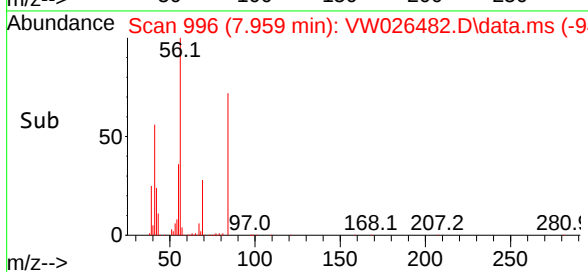
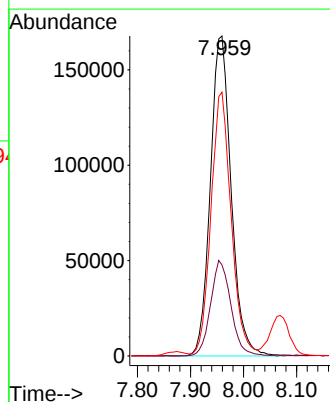
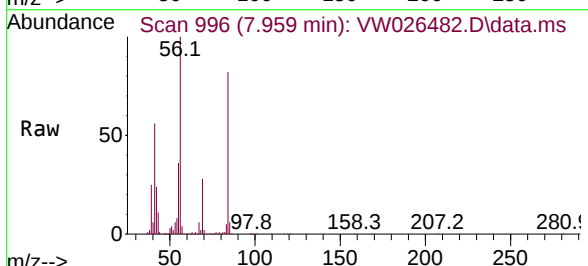
Tgt Ion: 56 Resp: 457674

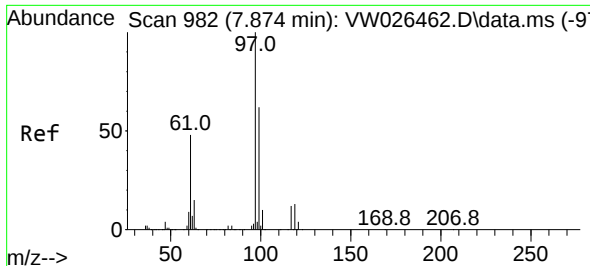
Ion Ratio Lower Upper

56 100

69 29.0 23.2 34.8

84 80.1 63.5 95.3

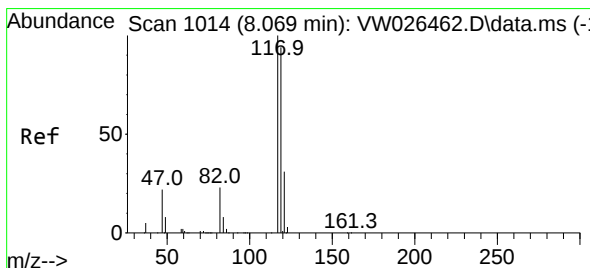
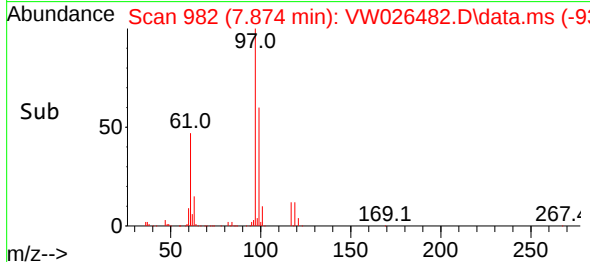
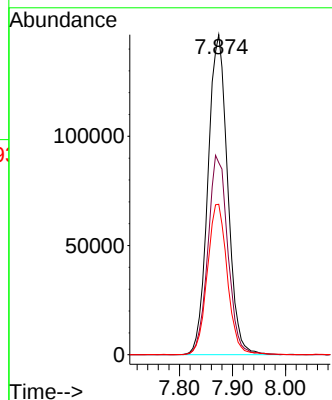
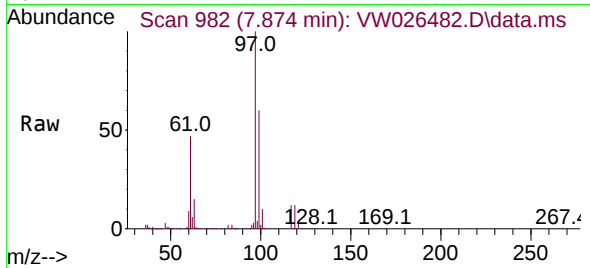




#30  
1,1,1-Trichloroethane  
Concen: 23.573 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

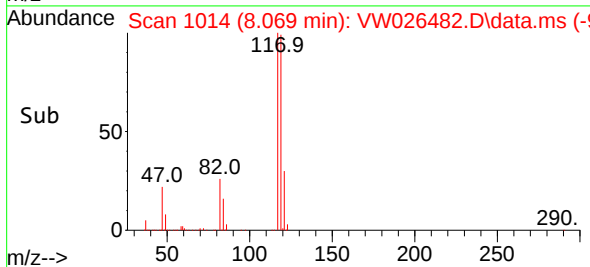
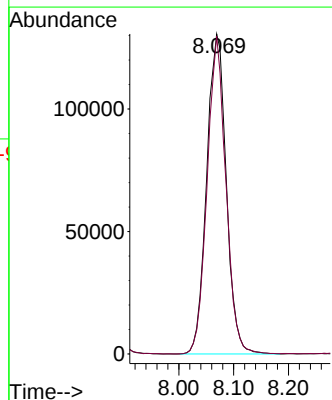
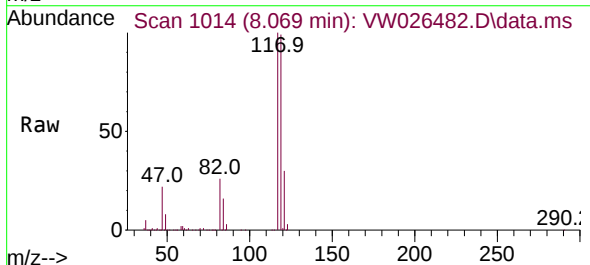
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

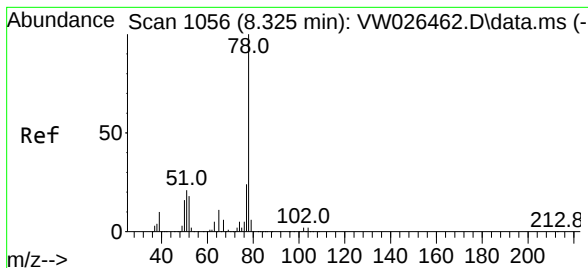
Tgt Ion: 97 Resp: 378057  
Ion Ratio Lower Upper  
97 100  
99 62.7 51.3 76.9  
61 48.0 39.5 59.3



#31  
Carbon tetrachloride  
Concen: 22.411 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion: 117 Resp: 323600  
Ion Ratio Lower Upper  
117 100  
119 95.0 76.2 114.2





#33

Benzene

Concen: 23.015 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

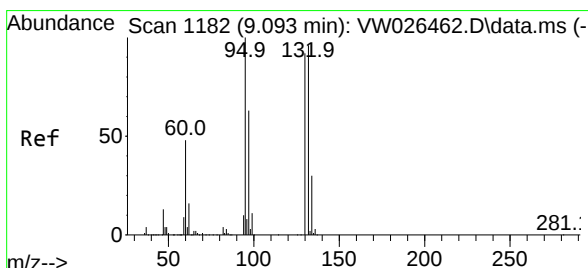
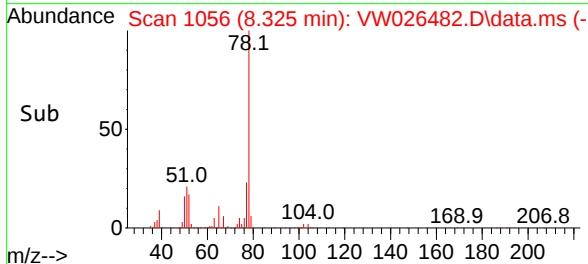
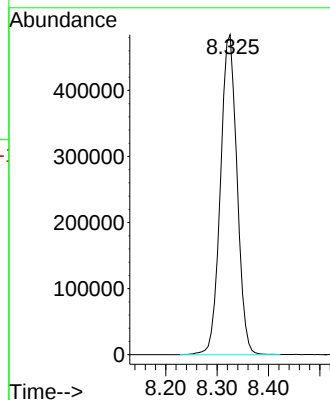
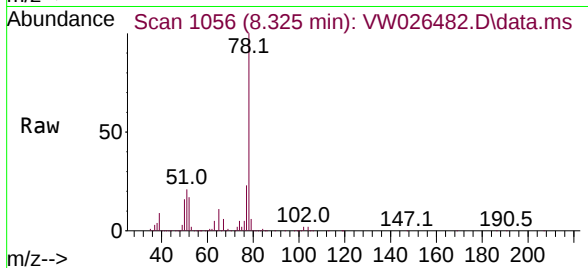
Instrument :

MSVOA\_W

ClientSampleId :

YBW57MSD

Tgt Ion: 78 Resp: 1085075



#34

Trichloroethene

Concen: 47.629 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Tgt Ion: 95 Resp: 572025

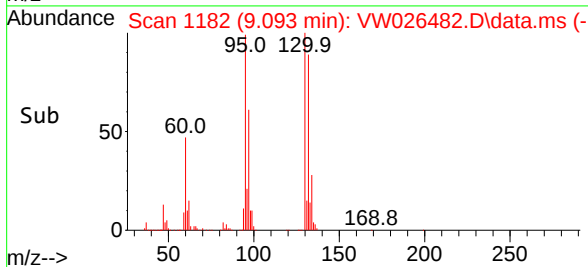
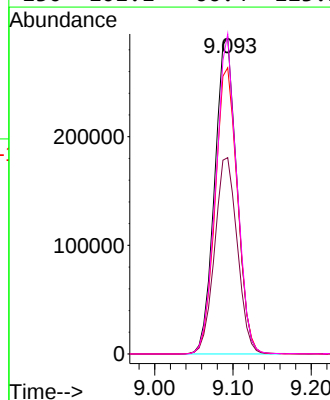
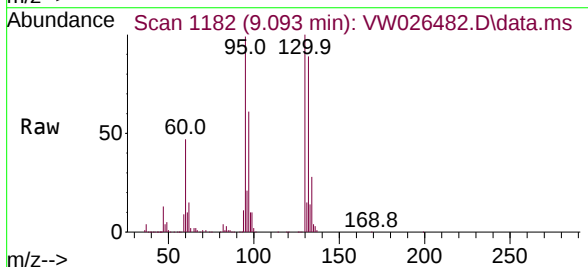
Ion Ratio Lower Upper

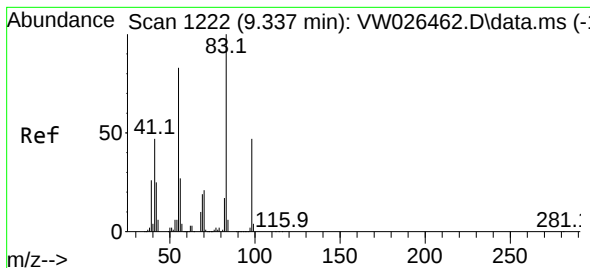
95 100

97 62.0 44.1 81.9

132 90.4 61.8 114.8

130 101.1 66.4 123.2

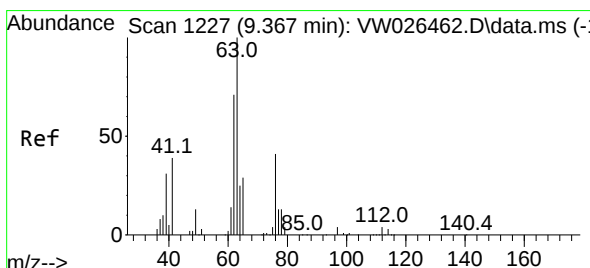
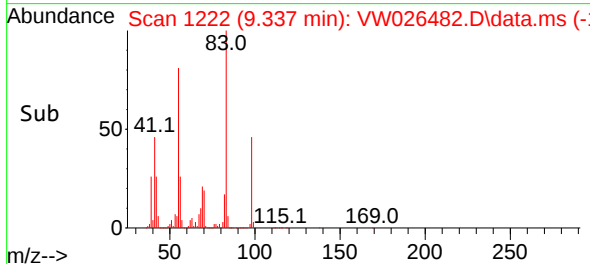
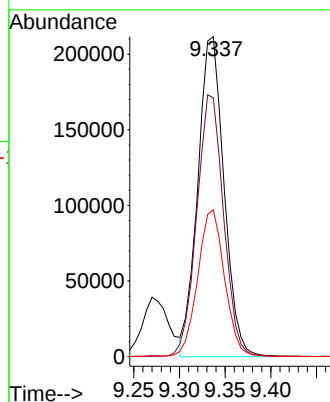
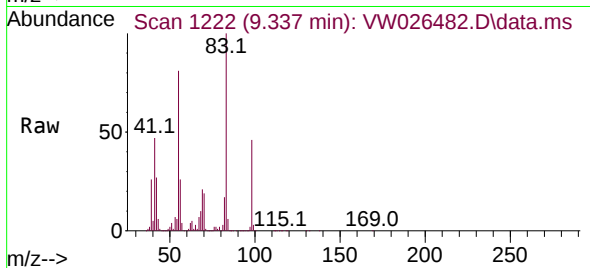




#35  
Methylcyclohexane  
Concen: 19.741 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

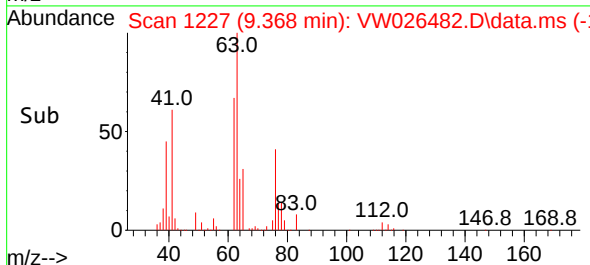
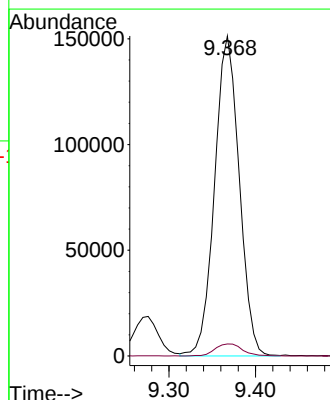
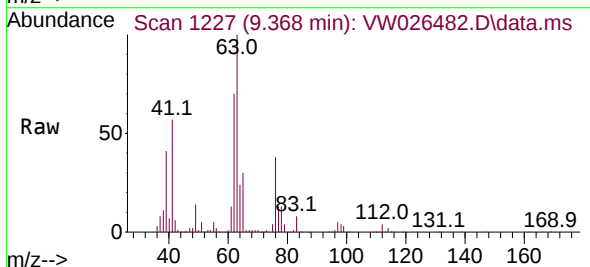
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

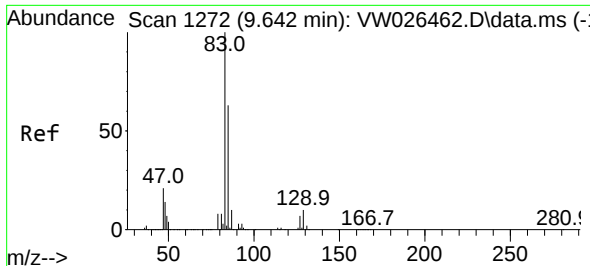
Tgt Ion: 83 Resp: 422369  
Ion Ratio Lower Upper  
83 100  
55 83.4 66.5 99.7  
98 47.0 37.0 55.6



#37  
1,2-Dichloropropane  
Concen: 23.888 ug/L  
RT: 9.368 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion: 63 Resp: 298980  
Ion Ratio Lower Upper  
63 100  
112 4.2 3.4 5.0

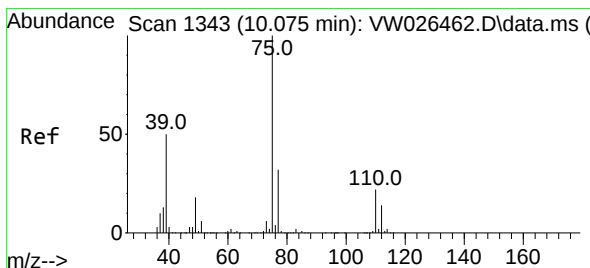
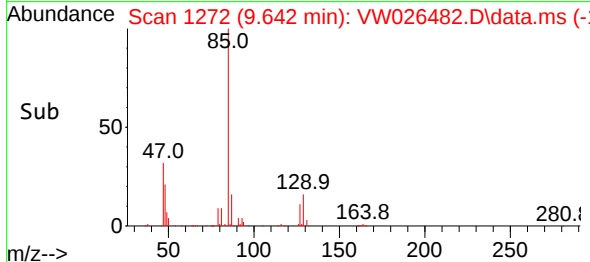
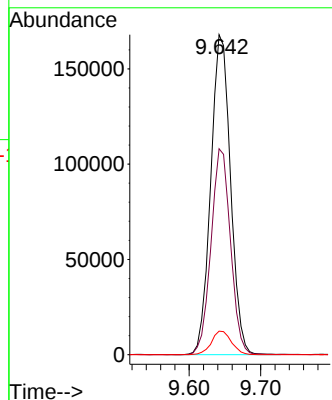
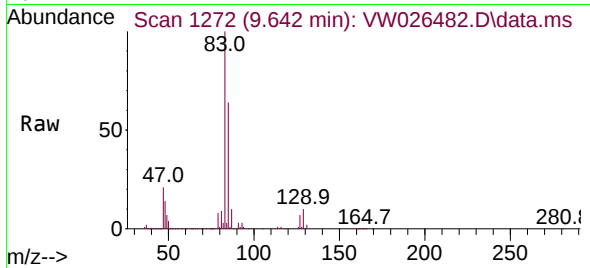




#38  
Bromodichloromethane  
Concen: 22.942 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

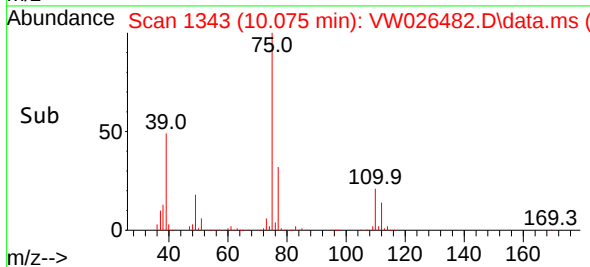
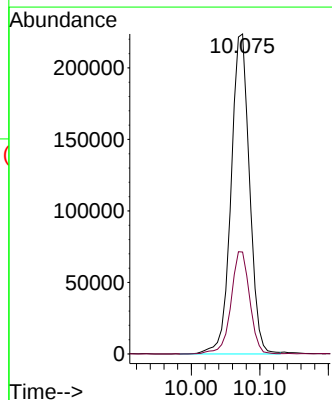
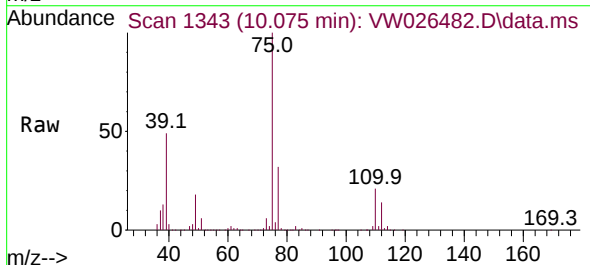
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

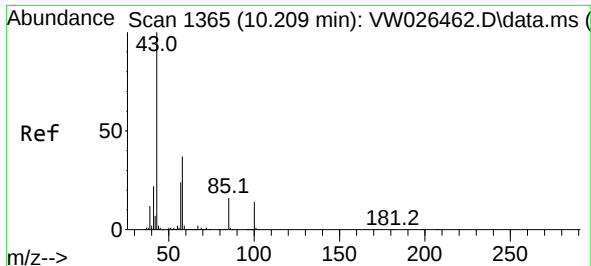
Tgt Ion: 83 Resp: 322288  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.1 83.7  
127 7.4 5.9 8.9



#39  
cis-1,3-Dichloropropene  
Concen: 22.336 ug/L  
RT: 10.075 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion: 75 Resp: 418417  
Ion Ratio Lower Upper  
75 100  
77 31.9 21.9 40.7

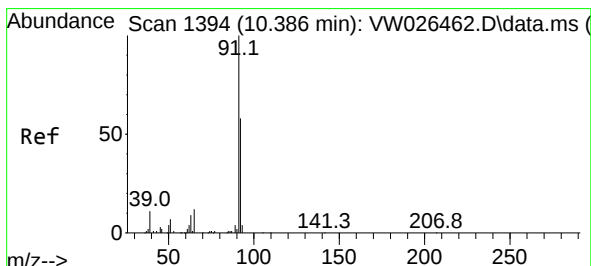
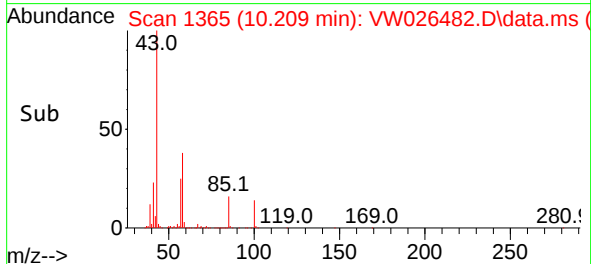
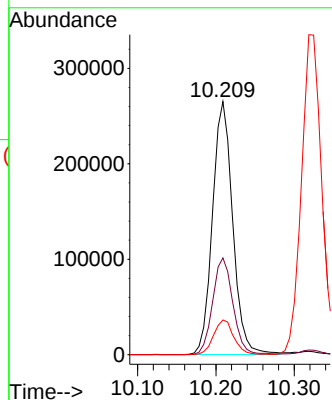
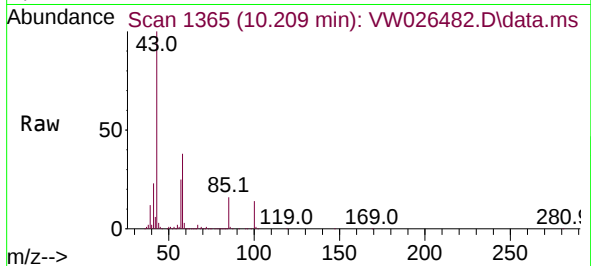




#40  
4-Methyl-2-pentanone  
Concen: 55.405 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

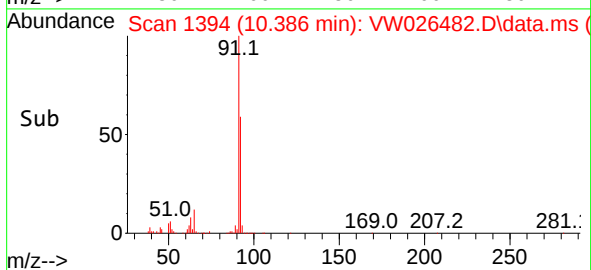
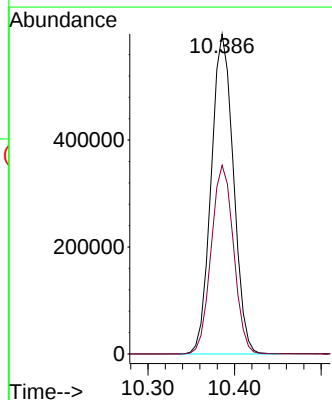
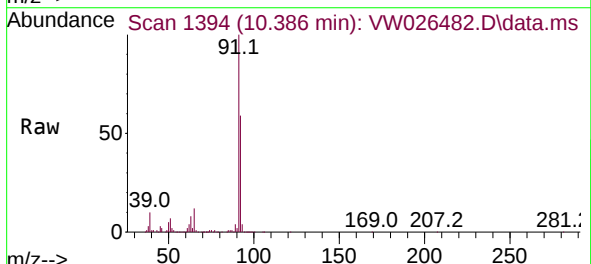
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

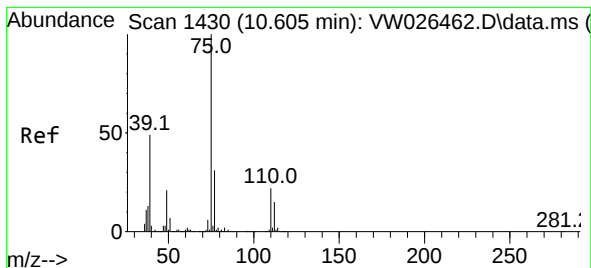
Tgt Ion: 43 Resp: 476127  
Ion Ratio Lower Upper  
43 100  
58 38.4 29.7 44.5  
100 13.7 10.9 16.3



#42  
Toluene  
Concen: 22.138 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion: 91 Resp: 1067834  
Ion Ratio Lower Upper  
91 100  
92 58.9 41.4 76.8

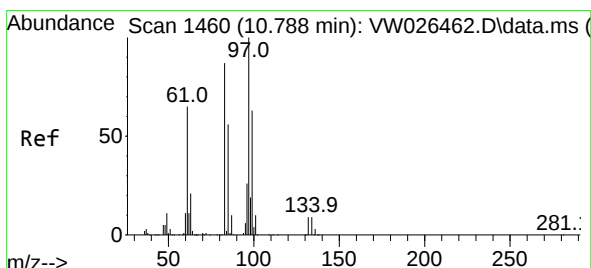
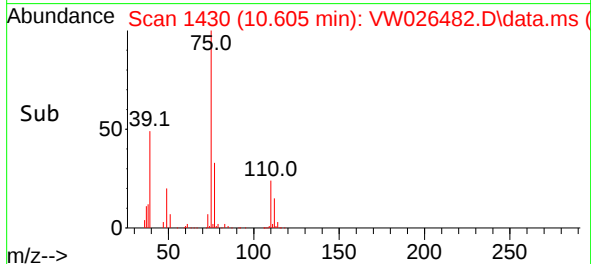
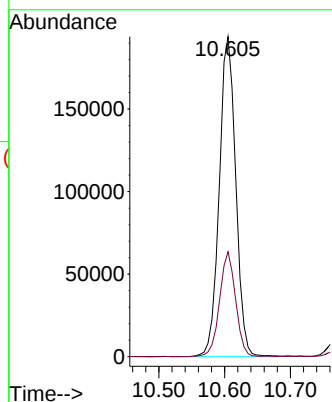
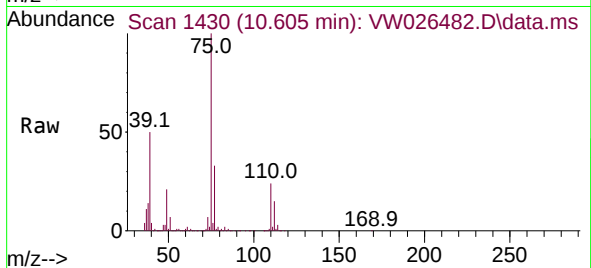




#44  
trans-1,3-Dichloropropene  
Concen: 22.097 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

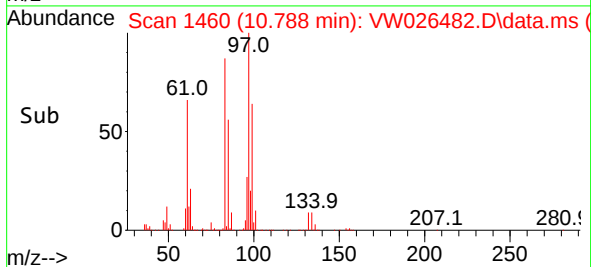
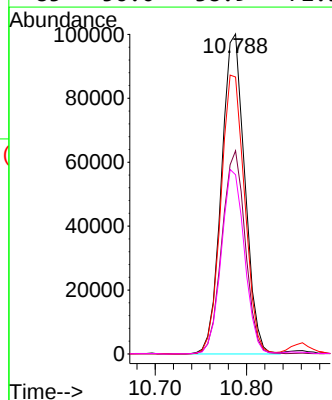
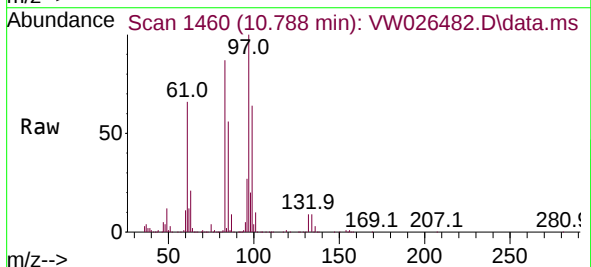
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

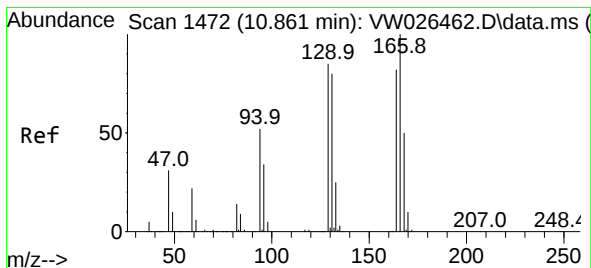
Tgt Ion: 75 Resp: 338301  
Ion Ratio Lower Upper  
75 100  
77 32.8 21.8 40.6



#45  
1,1,2-Trichloroethane  
Concen: 20.872 ug/L  
RT: 10.788 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion: 97 Resp: 177953  
Ion Ratio Lower Upper  
97 100  
99 63.5 42.1 78.3  
83 86.6 60.5 112.5  
85 56.0 38.9 72.3





#46

Tetrachloroethene

Concen: 20.846 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

YBW57MSD

Tgt Ion:164 Resp: 177008

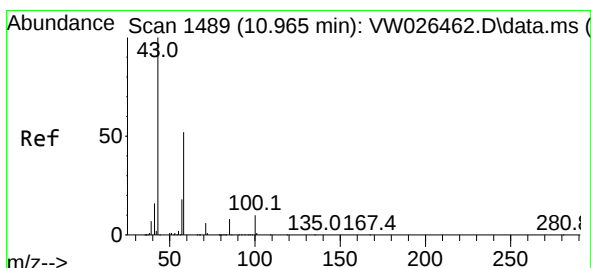
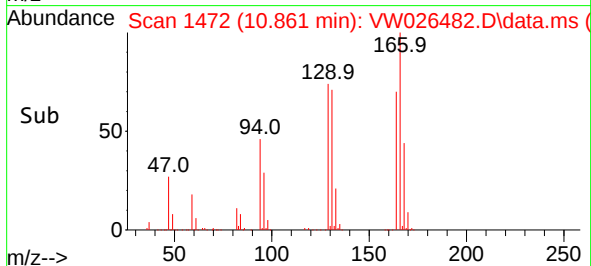
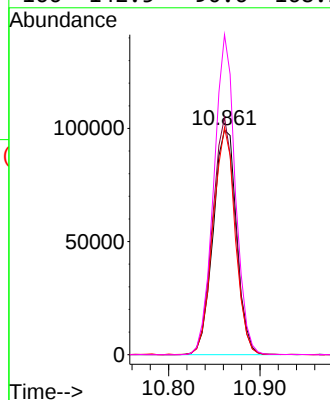
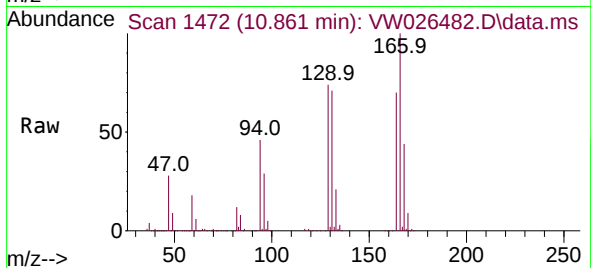
Ion Ratio Lower Upper

164 100

129 105.7 69.0 128.2

131 101.3 62.6 116.3

166 142.5 90.6 168.3



#48

2-Hexanone

Concen: 63.676 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Tgt Ion: 43 Resp: 367288

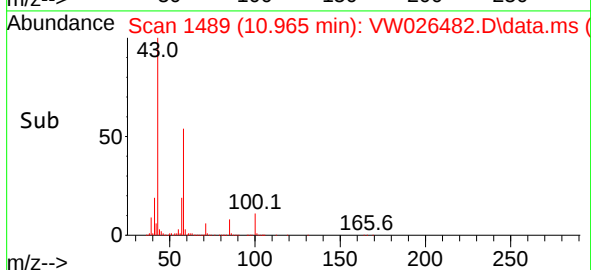
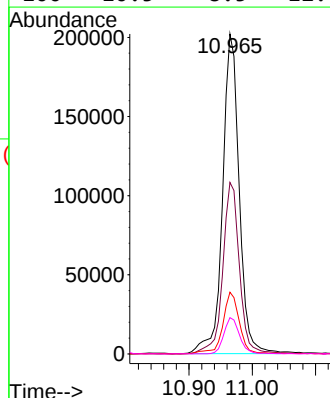
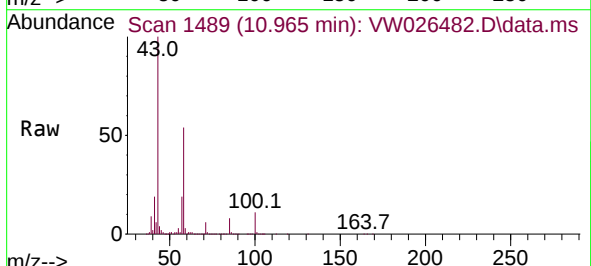
Ion Ratio Lower Upper

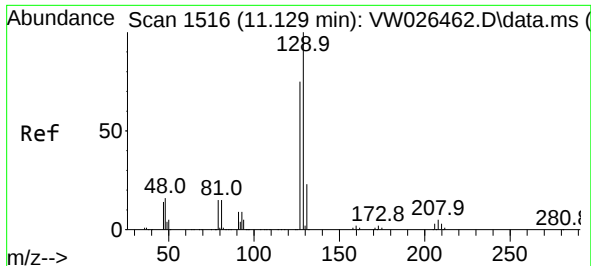
43 100

58 54.0 42.1 63.1

57 17.1 14.5 21.7

100 10.5 8.5 12.7





#49

Dibromochloromethane

Concen: 23.439 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

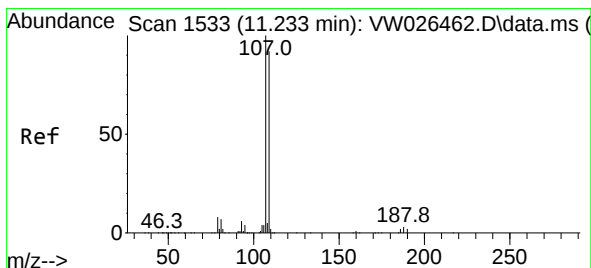
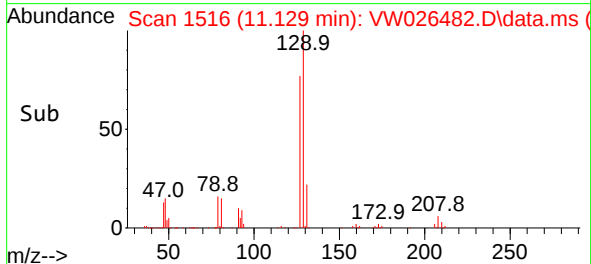
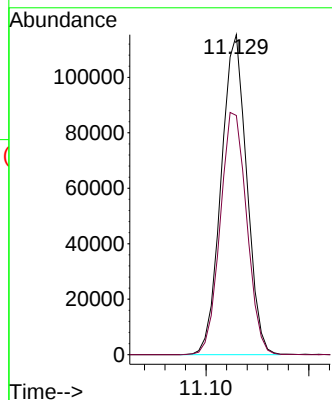
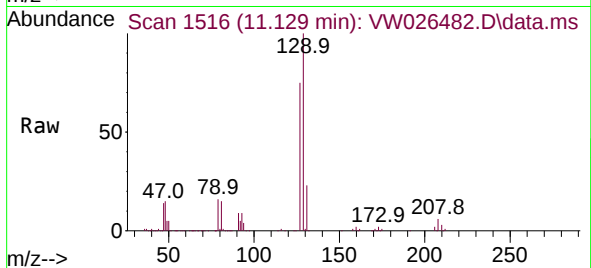
YBW57MSD

Tgt Ion:129 Resp: 199043

Ion Ratio Lower Upper

129 100

127 74.8 54.0 100.4



#50

1,2-Dibromoethane

Concen: 23.743 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

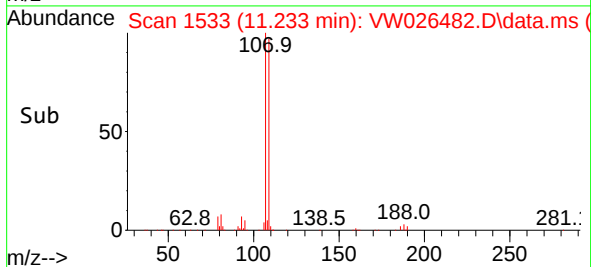
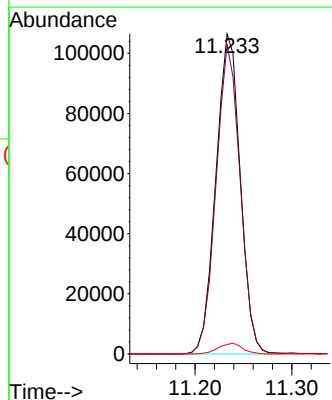
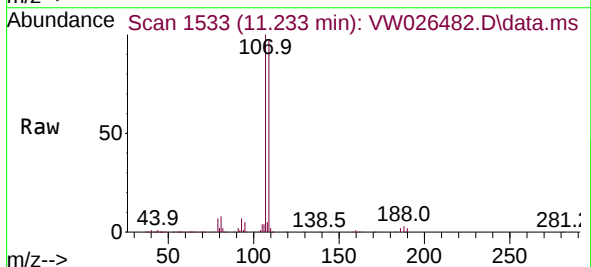
Tgt Ion:107 Resp: 186139

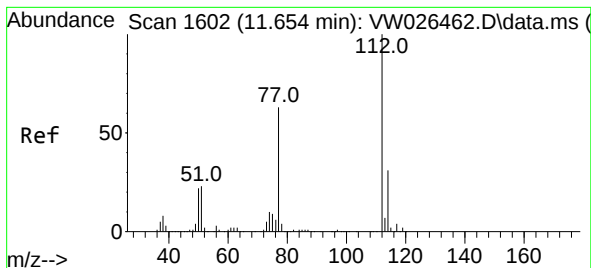
Ion Ratio Lower Upper

107 100

109 96.6 69.0 128.2

188 2.9 2.8 4.2





#51

Chlorobenzene

Concen: 21.105 ug/L

RT: 11.654 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

YBW57MSD

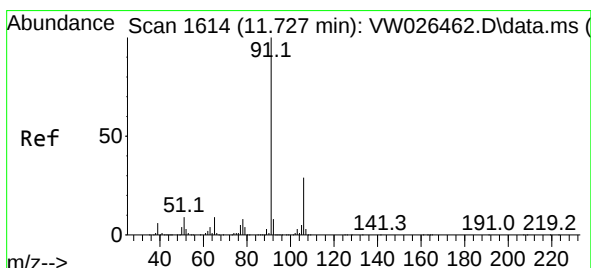
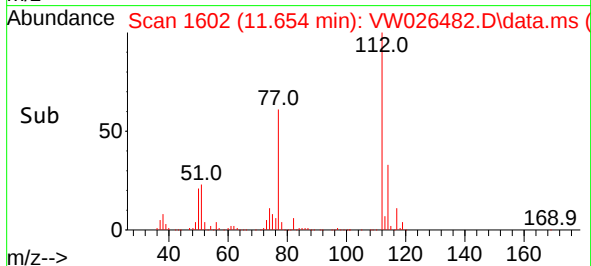
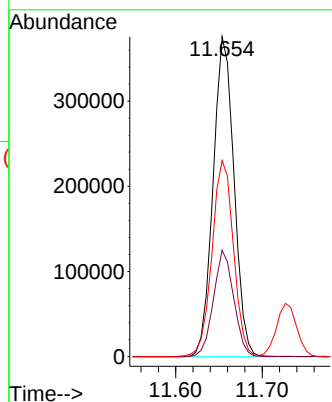
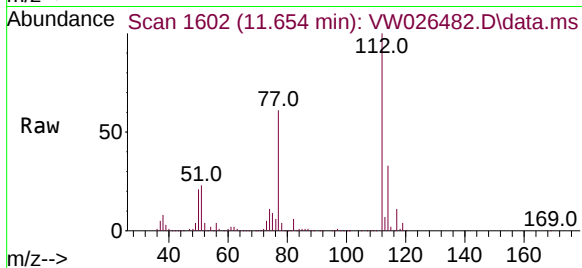
Tgt Ion:112 Resp: 629860

Ion Ratio Lower Upper

112 100

114 33.2 22.3 41.5

77 61.3 49.6 74.4



#52

Ethylbenzene

Concen: 21.530 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW026482.D

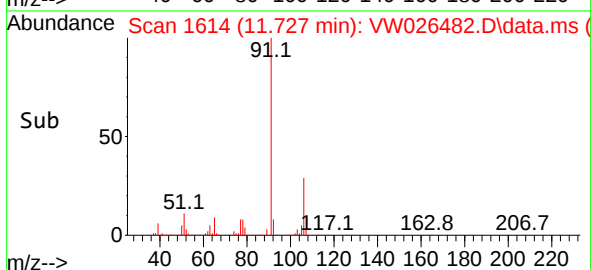
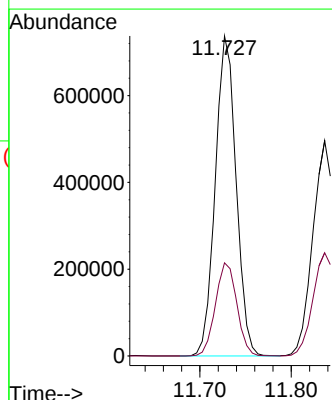
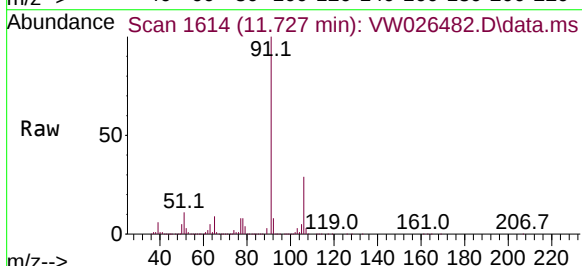
Acq: 30 Jun 2023 19:06

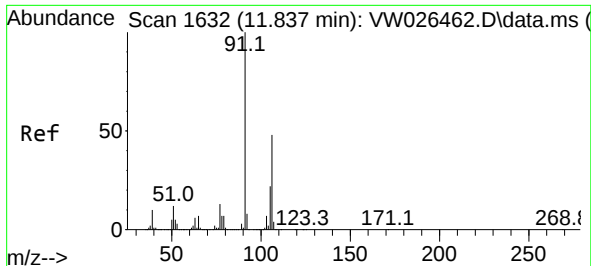
Tgt Ion: 91 Resp: 1168629

Ion Ratio Lower Upper

91 100

106 29.1 20.9 38.7

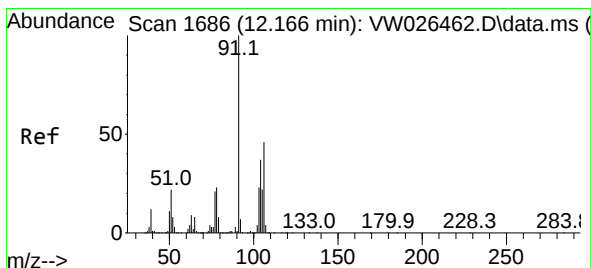
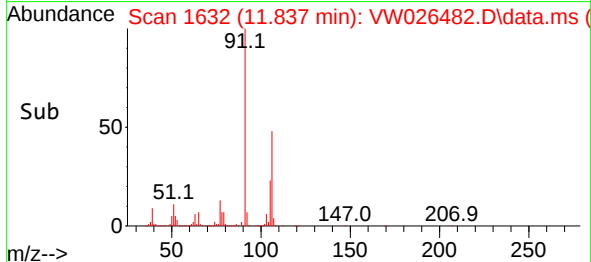
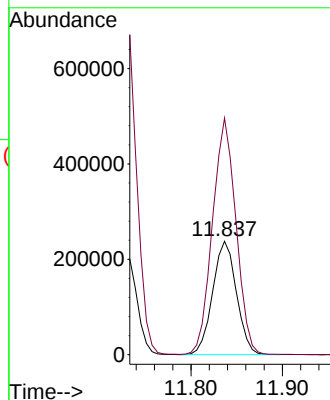
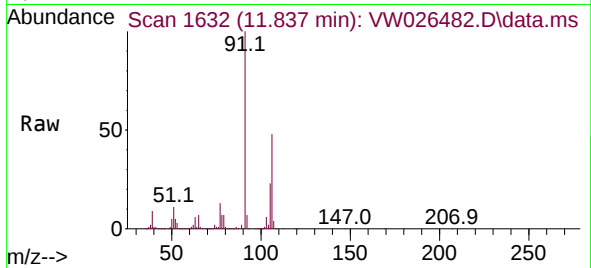




#53  
m,p-Xylene  
Concen: 21.315 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

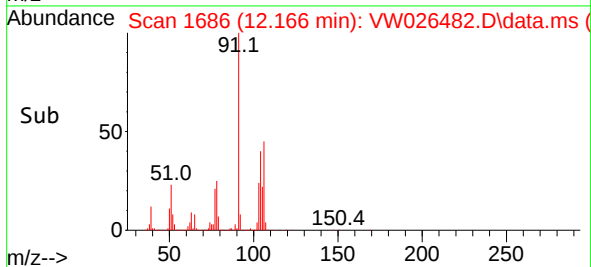
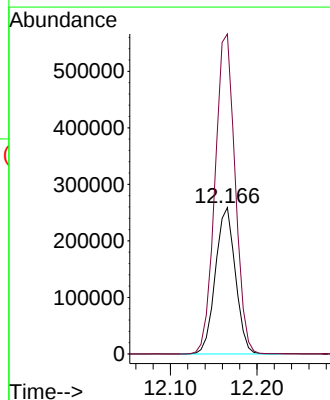
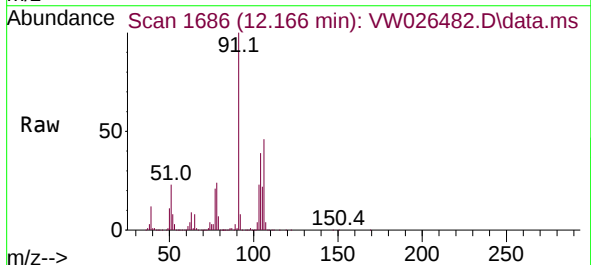
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

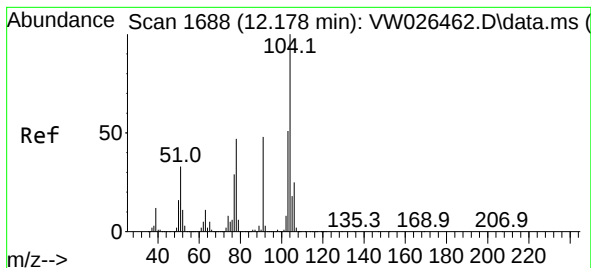
Tgt Ion:106 Resp: 429008  
Ion Ratio Lower Upper  
106 100  
91 208.6 146.7 272.5



#54  
o-Xylene  
Concen: 22.213 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion:106 Resp: 414650  
Ion Ratio Lower Upper  
106 100  
91 218.5 145.5 270.1





#55

Styrene

Concen: 21.605 ug/L

RT: 12.178 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

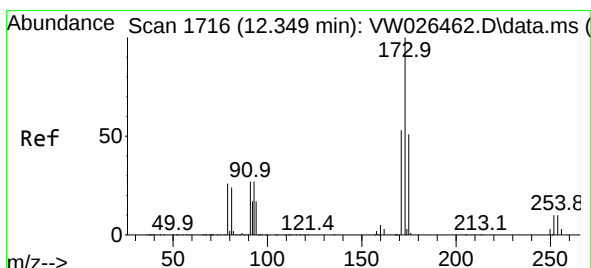
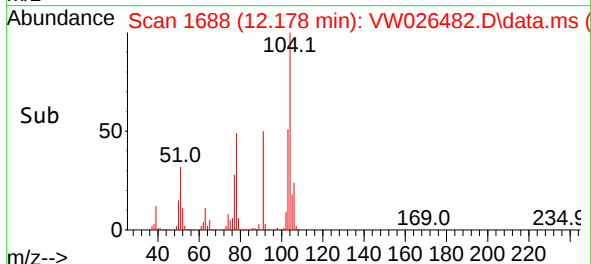
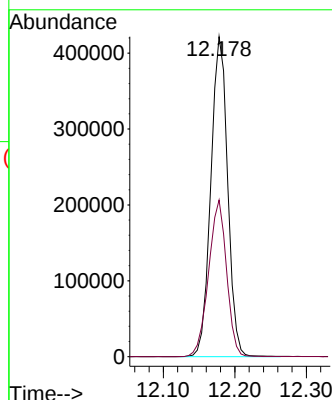
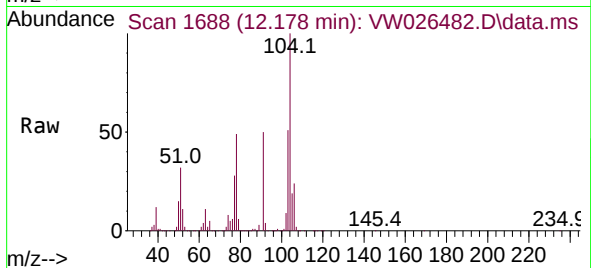
YBW57MSD

Tgt Ion:104 Resp: 688410

Ion Ratio Lower Upper

104 100

78 48.9 34.8 64.6



#59

Bromoform

Concen: 27.561 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

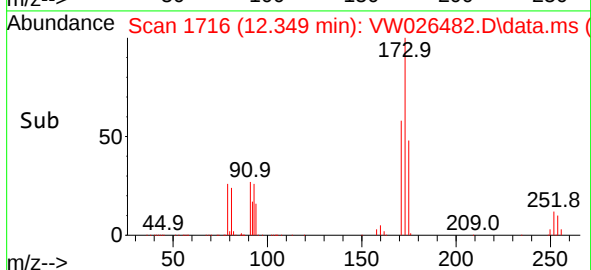
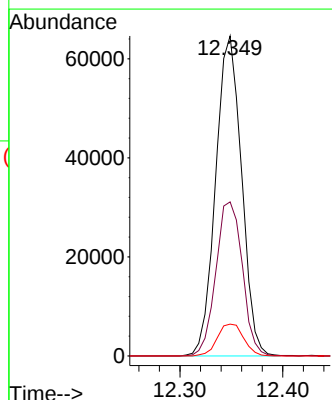
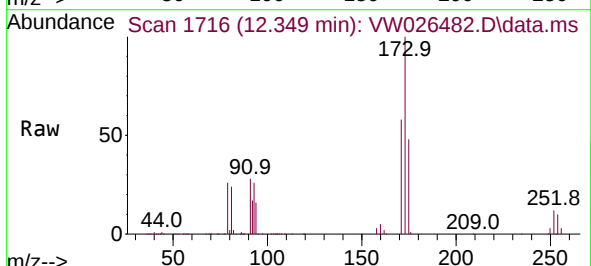
Tgt Ion:173 Resp: 113031

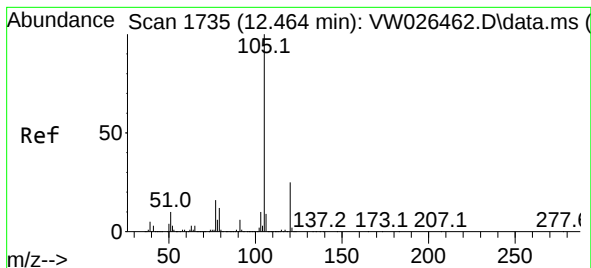
Ion Ratio Lower Upper

173 100

175 49.2 37.4 56.2

254 10.2 7.3 10.9





#60

Isopropylbenzene

Concen: 24.922 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

YBW57MSD

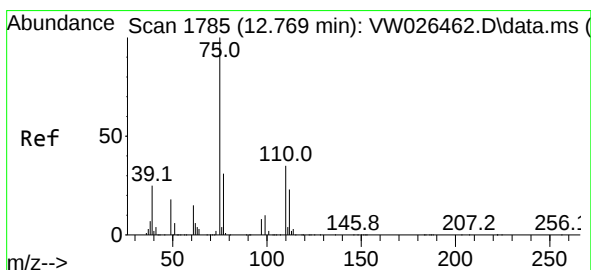
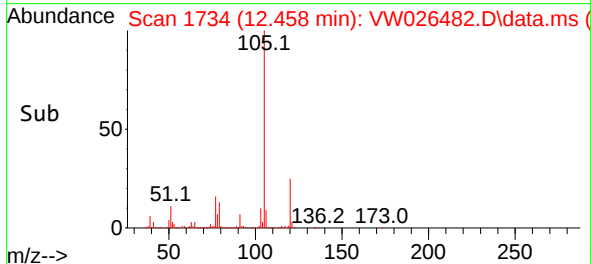
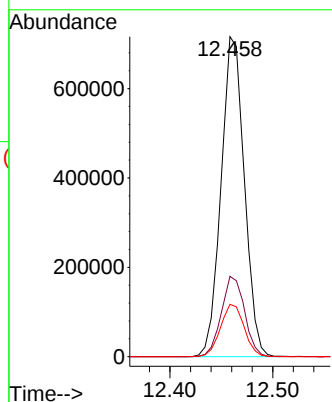
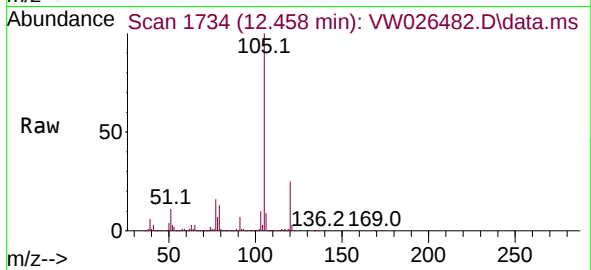
Tgt Ion:105 Resp: 1125872

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

77 16.7 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 29.183 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

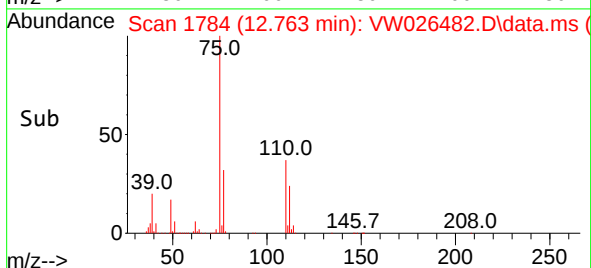
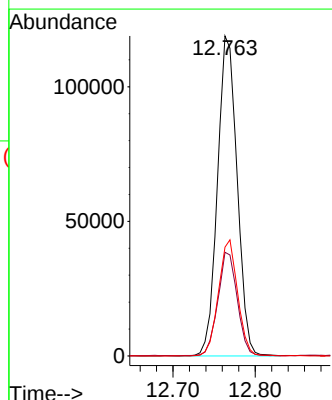
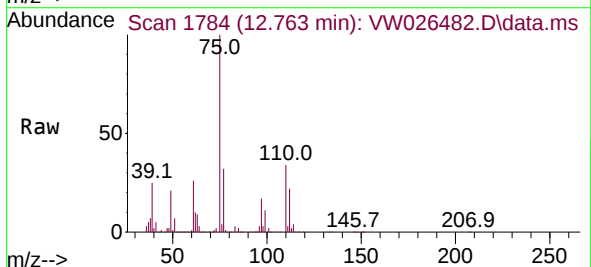
Tgt Ion: 75 Resp: 197557

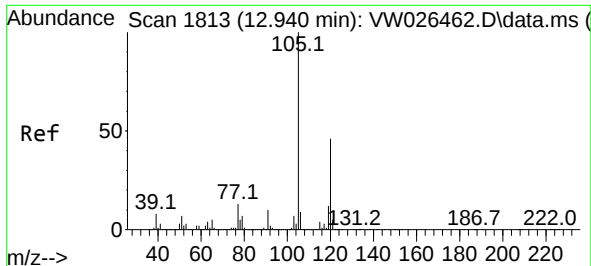
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

110 35.4 28.2 42.4

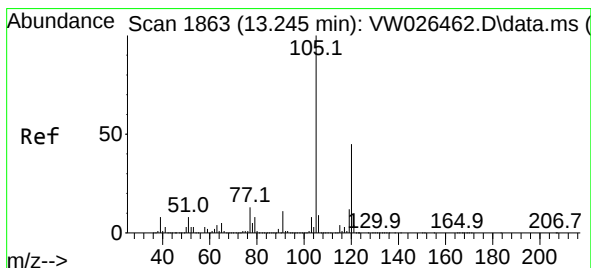
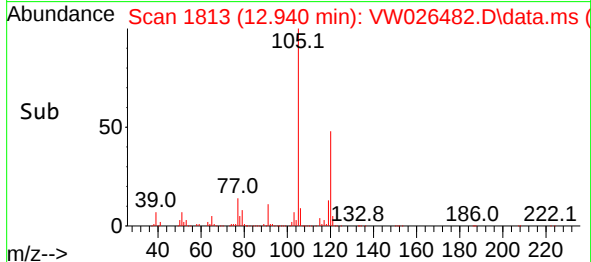
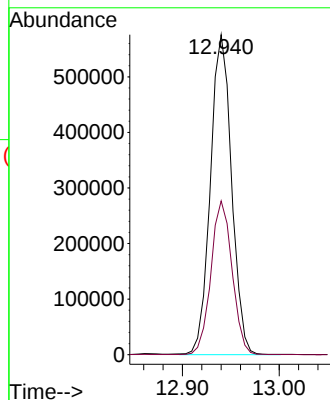
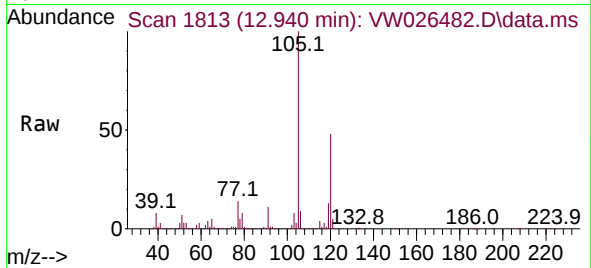




#62  
1,3,5-Trimethylbenzene  
Concen: 24.399 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

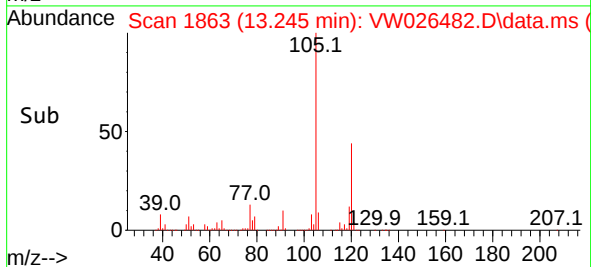
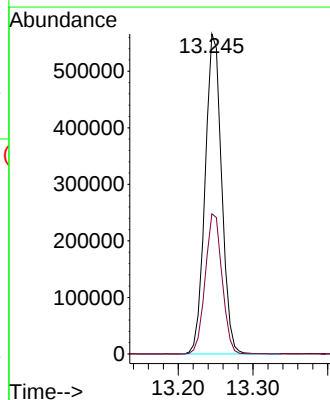
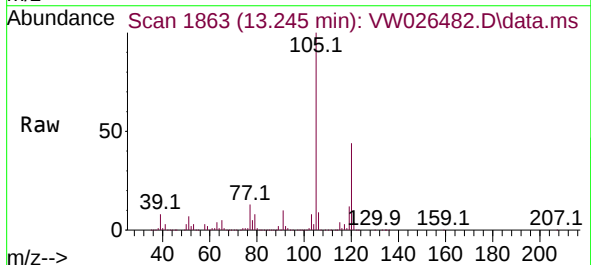
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

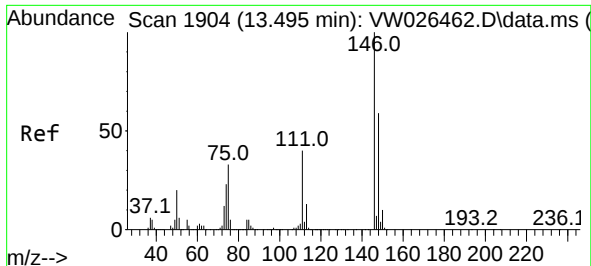
Tgt Ion:105 Resp: 876499  
Ion Ratio Lower Upper  
105 100  
120 48.0 39.2 58.8



#63  
1,2,4-Trimethylbenzene  
Concen: 24.692 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion:105 Resp: 866552  
Ion Ratio Lower Upper  
105 100  
120 44.6 36.0 54.0

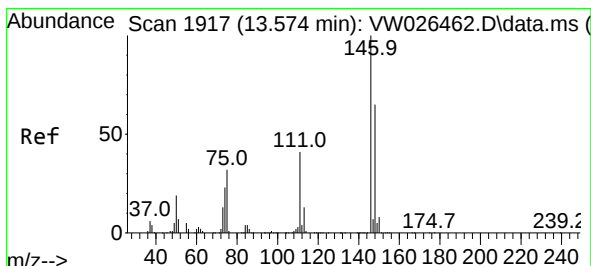
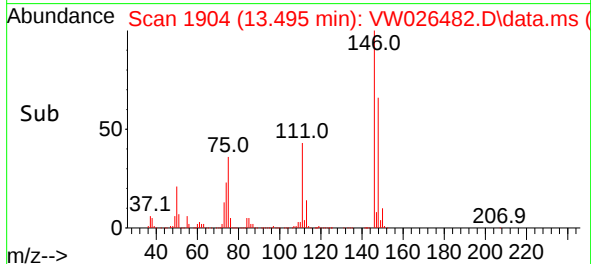
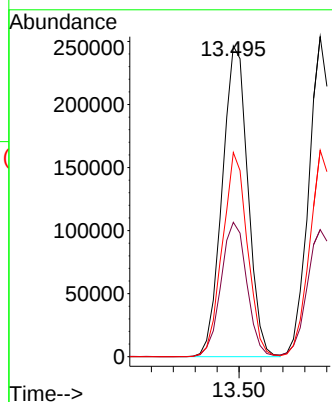
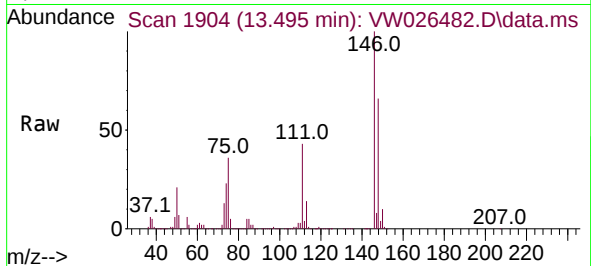




#64  
1,3-Dichlorobenzene  
Concen: 21.152 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

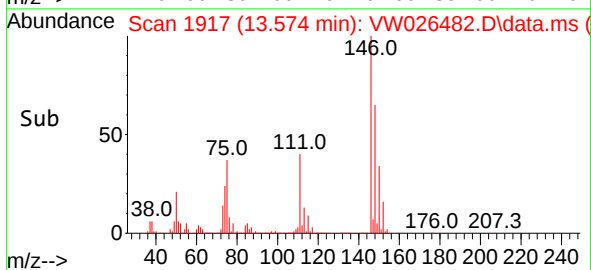
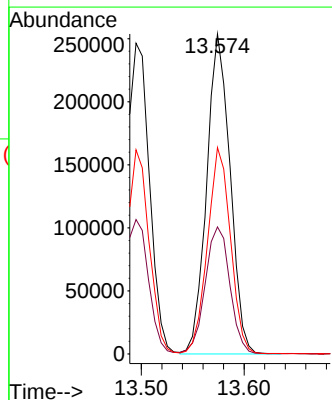
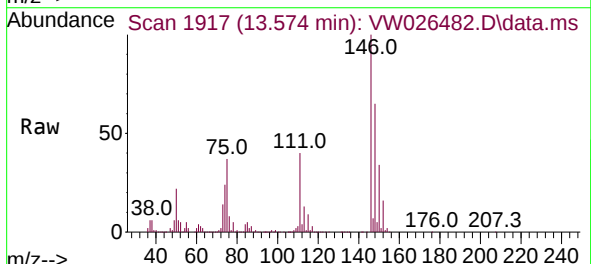
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW57MSD

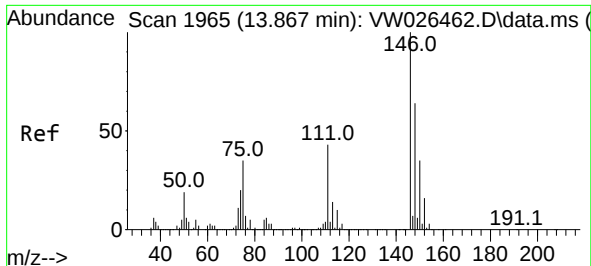
Tgt Ion:146 Resp: 400909  
Ion Ratio Lower Upper  
146 100  
111 43.2 29.5 54.9  
148 65.7 40.8 75.8



#65  
1,4-Dichlorobenzene  
Concen: 21.311 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW026482.D  
Acq: 30 Jun 2023 19:06

Tgt Ion:146 Resp: 401727  
Ion Ratio Lower Upper  
146 100  
111 39.7 30.7 56.9  
148 64.5 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 21.782 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

YBW57MSD

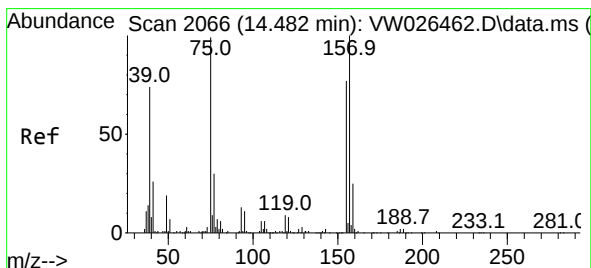
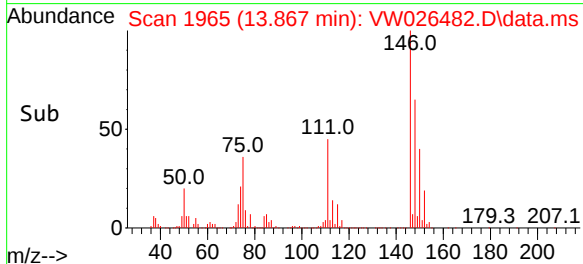
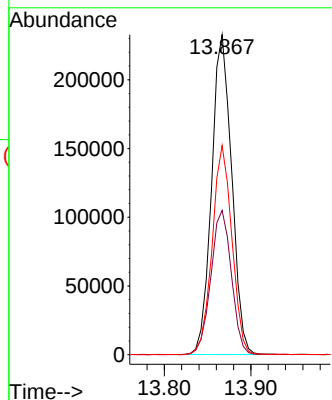
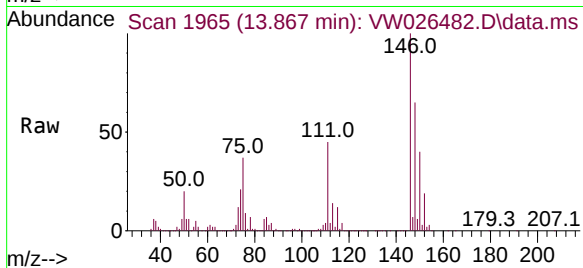
Tgt Ion:146 Resp: 373606

Ion Ratio Lower Upper

146 100

111 45.1 34.7 52.1

148 65.3 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 23.641 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

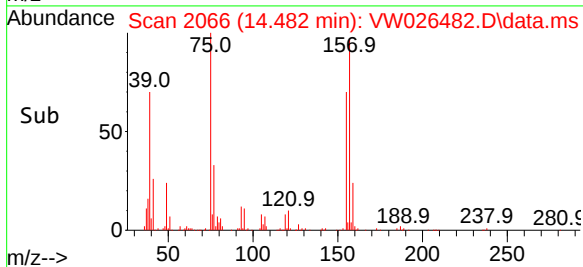
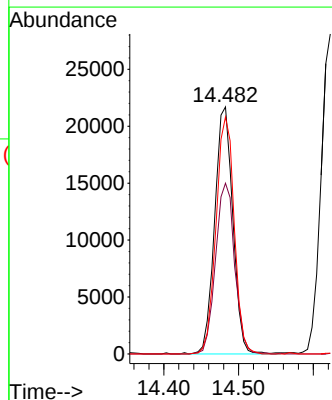
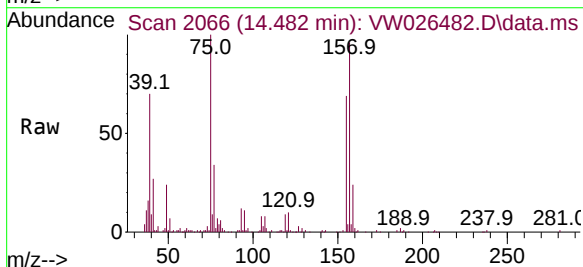
Tgt Ion: 75 Resp: 36674

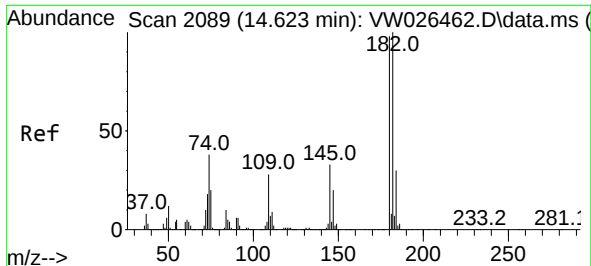
Ion Ratio Lower Upper

75 100

155 69.1 58.5 87.7

157 95.9 77.4 116.2





#69

1,3,5-Trichlorobenzene

Concen: 17.517 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

YBW57MSD

Tgt Ion:180 Resp: 226017

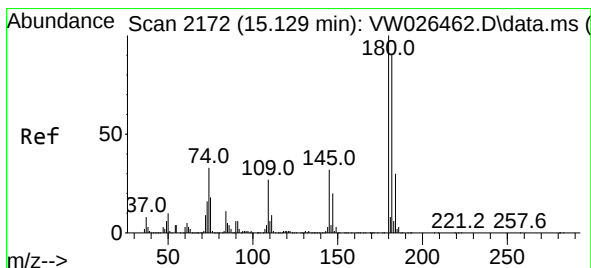
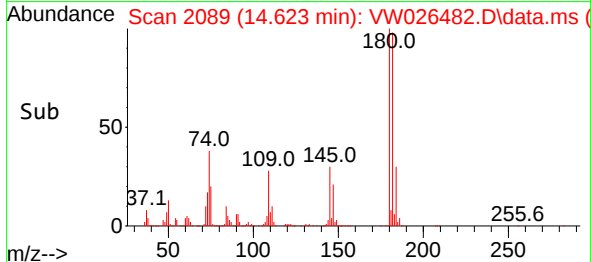
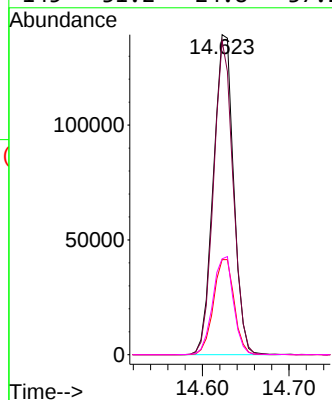
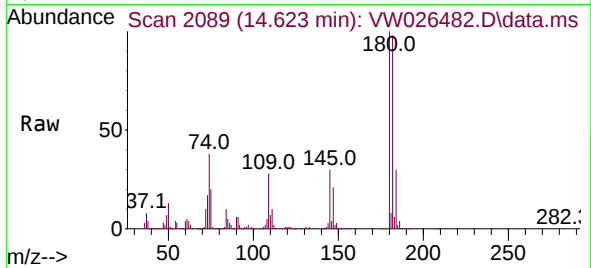
Ion Ratio Lower Upper

180 100

182 94.7 74.5 111.7

184 30.5 23.8 35.6

145 31.2 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 16.019 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

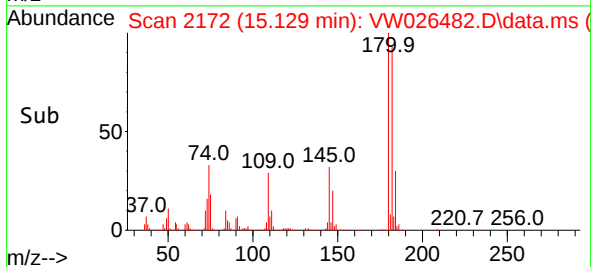
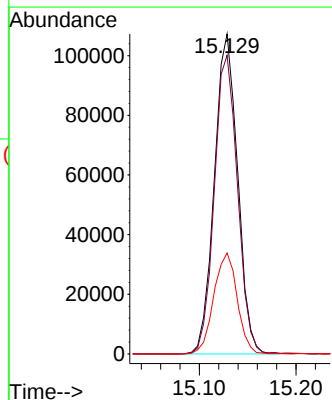
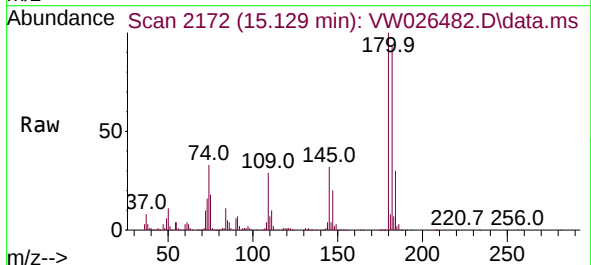
Tgt Ion:180 Resp: 178888

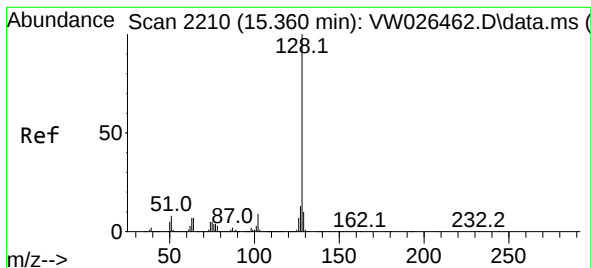
Ion Ratio Lower Upper

180 100

182 93.1 75.5 113.3

145 31.9 26.2 39.2





#71

Naphthalene

Concen: 21.602 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Instrument :

MSVOA\_W

ClientSampleId :

YBW57MSD

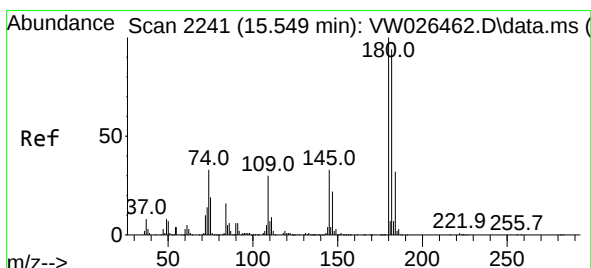
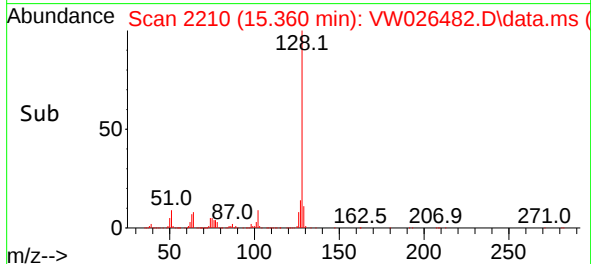
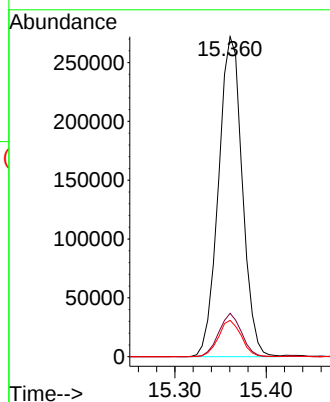
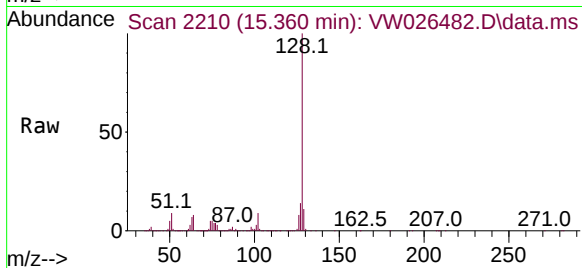
Tgt Ion:128 Resp: 491726

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 8.3 12.5



#72

1,2,3-Trichlorobenzene

Concen: 16.154 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026482.D

Acq: 30 Jun 2023 19:06

Tgt Ion:180 Resp: 155135

Ion Ratio Lower Upper

180 100

182 97.5 75.7 113.5

145 33.9 27.0 40.6

