

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW091222\  
 Data File : VW024604.D  
 Acq On : 12 Sep 2022 13:50  
 Operator : SY/VA  
 Sample : MDL 1. PBB  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL 1. PBB

Quant Time: Sep 13 02:53:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Sep 13 02:43:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.842     | 114   | 205744   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.628    | 117   | 217013   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152   | 97043    | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.343     | 65    | 140245   | 33.016   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 132.080% |          |
| 7) Chloroethane-d5            | 2.873     | 69    | 107964   | 34.182   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 136.720% |          |
| 11) 1,1-Dichloroethene-d2     | 4.007     | 63    | 72138    | 16.096   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 64.400%  |          |
| 21) 2-Butanone-d5             | 7.080     | 46    | 35041    | 51.136   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 102.280% |          |
| 24) Chloroform-d              | 7.647     | 84    | 118319   | 22.580   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 90.320%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 76639    | 25.940   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 103.760% |          |
| 32) Benzene-d6                | 8.275     | 84    | 230607   | 21.603   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 86.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 67914    | 21.578   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 86.320%  |          |
| 41) Toluene-d8                | 10.323    | 98    | 226137   | 21.730   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 86.920%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79    | 29346    | 20.806   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 83.240%  |          |
| 47) 2-Hexanone-d5             | 10.927    | 63    | 27694    | 47.871   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 95.740%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688    | 84    | 63589    | 21.080   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 84.320%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 69391    | 22.576   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 90.320%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.215     | 85    | 201      | 0.204    | ug/L       | 90       |
| 3) Chloromethane              | 2.215     | 50    | 4798     | 1.566    | ug/L       | 91       |
| 5) Vinyl chloride             | 2.282     | 62    | 125      | 0.024    | ug/L       | 99       |
| 6) Bromomethane               | 2.757     | 94    | 2442     | 0.725    | ug/L       | 98       |
| 8) Chloroethane               | 2.910     | 64    | 4035     | 1.436    | ug/L       | 85       |
| 9) Trichlorofluoromethane     | 2.867     | 101   | 172      | 0.058    | ug/L       | 93       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.044     | 101   | 198      | 0.072    | ug/L #     | 1        |
| 12) 1,1-Dichloroethene        | 4.031     | 96    | 1443     | 0.613    | ug/L #     | 1        |
| 13) Acetone                   | 4.123     | 43    | 547      | 0.938    | ug/L       | 53       |
| 14) Carbon disulfide          | 4.367     | 76    | 6606     | 1.061    | ug/L #     | 77       |
| 15) Methyl Acetate            | 4.489     | 43    | 301      | 0.244    | ug/L       | 96       |
| 16) Methylene chloride        | 4.909     | 84    | 9251     | 3.013    | ug/L       | 77       |
| 17) trans-1,2-Dichloroethene  | 5.428     | 96    | 1938     | 0.719    | ug/L       | 87       |
| 18) Methyl tert-butyl Ether   | 5.428     | 73    | 558      | 0.116    | ug/L #     | 1        |
| 19) 1,1-Dichloroethane        | 6.214     | 63    | 5019     | 1.024    | ug/L #     | 80       |
| 20) cis-1,2-Dichloroethene    | 7.116     | 96    | 86       | 0.028    | ug/L       | 73       |
| 22) 2-Butanone                | 7.165     | 43    | 968      | 1.026    | ug/L       | 87       |
| 23) Bromochloromethane        | 7.506     | 128   | 843      | 0.609    | ug/L #     | 70       |
| 25) Chloroform                | 7.671     | 83    | 5702     | 1.047    | ug/L       | 83       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Tue Sep 13 02:43:10 2022  
 Response via : Initial Calibration

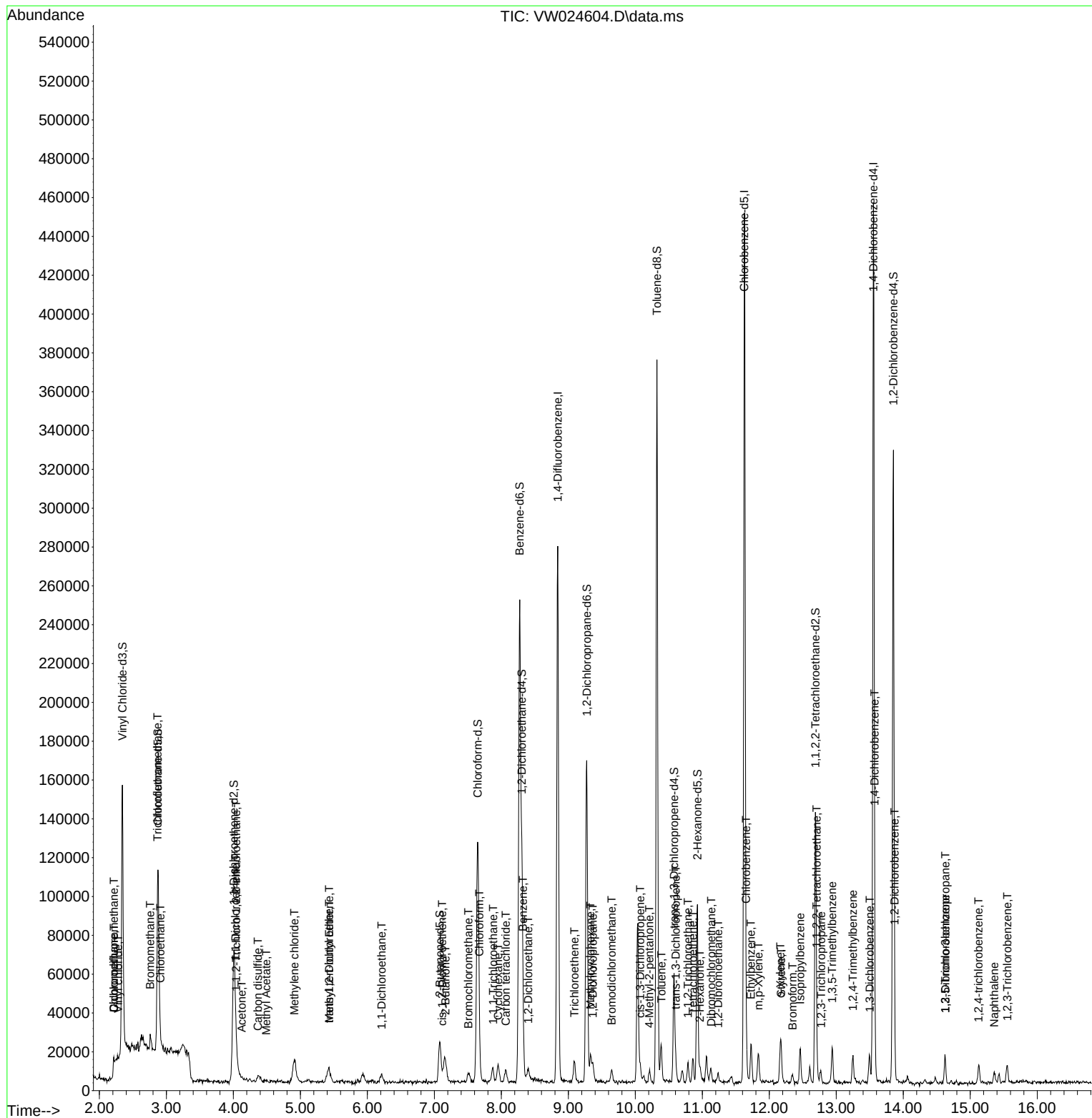
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 4404     | 1.203 | ug/L   | 99       |
| 29) Cyclohexane               | 7.951  | 56   | 3218     | 0.766 | ug/L # | 94       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 4427     | 0.930 | ug/L # | 73       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 3881     | 0.893 | ug/L   | 94       |
| 33) Benzene                   | 8.323  | 78   | 11689    | 0.949 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 3166     | 0.984 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.329  | 83   | 4519     | 0.878 | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 3097     | 1.007 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.646  | 83   | 4048     | 0.931 | ug/L # | 95       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 4223     | 0.939 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 3706     | 1.826 | ug/L   | 96       |
| 42) Toluene                   | 10.390 | 91   | 12787    | 0.942 | ug/L   | 91       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 5448     | 1.282 | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 2655     | 1.033 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.860 | 164  | 2470     | 1.042 | ug/L   | 83       |
| 48) 2-Hexanone                | 10.963 | 43   | 3422     | 2.459 | ug/L # | 87       |
| 49) Dibromochloromethane      | 11.134 | 129  | 2898     | 0.964 | ug/L   | 78       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 2360     | 0.946 | ug/L   | 94       |
| 51) Chlorobenzene             | 11.652 | 112  | 8656     | 0.923 | ug/L # | 82       |
| 52) Ethylbenzene              | 11.725 | 91   | 12448    | 0.807 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 4649     | 0.772 | ug/L   | 97       |
| 54) o-Xylene                  | 12.164 | 106  | 4070     | 0.710 | ug/L   | 90       |
| 55) Styrene                   | 12.176 | 104  | 5903     | 0.585 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.707 | 83   | 3262     | 1.002 | ug/L # | 72       |
| 59) Bromoform                 | 12.347 | 173  | 1158     | 0.821 | ug/L # | 85       |
| 60) Isopropylbenzene          | 12.463 | 105  | 9193     | 0.700 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.774 | 75   | 2090     | 1.041 | ug/L # | 83       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 7688     | 0.705 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 6736     | 0.620 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 4756     | 0.803 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 6061     | 0.971 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 5876     | 1.064 | ug/L # | 89       |
| 68) 1,2-Dibromo-3-chloropr... | 14.627 | 75   | 1343     | 2.827 | ug/L # | 8        |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 3342     | 0.869 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.121 | 180  | 2277     | 0.746 | ug/L # | 83       |
| 71) Naphthalene               | 15.359 | 128  | 4154     | 0.615 | ug/L # | 89       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 2307     | 0.813 | ug/L   | 89       |

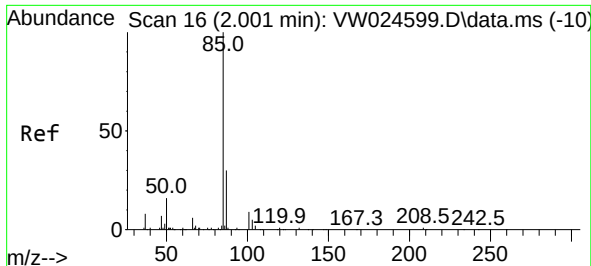
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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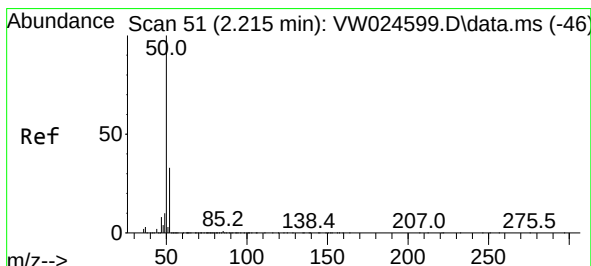
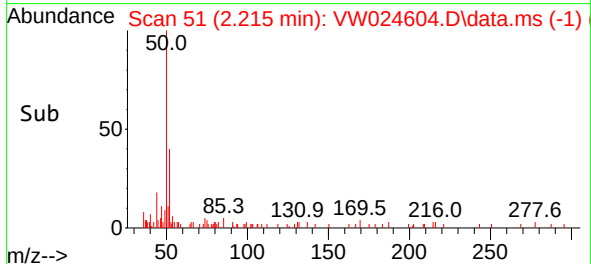
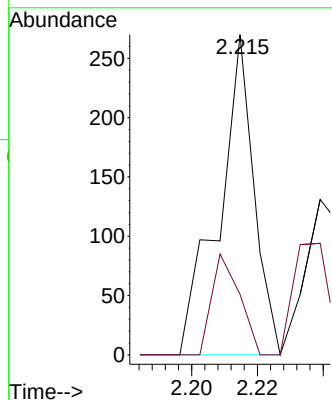
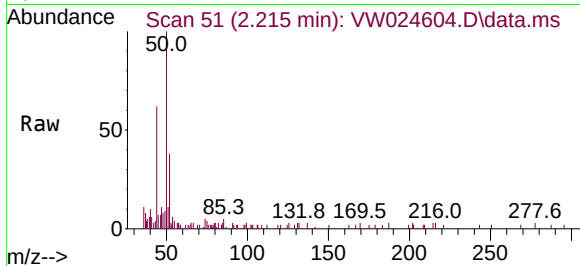




#2  
 Dichlorodifluoromethane  
 Concen: 0.204 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. 0.214 min  
 Lab File: VW024604.D  
 Acq: 12 Sep 2022 13:50

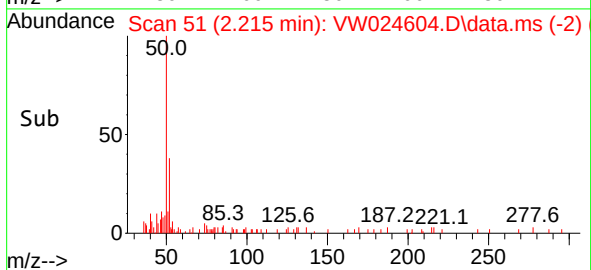
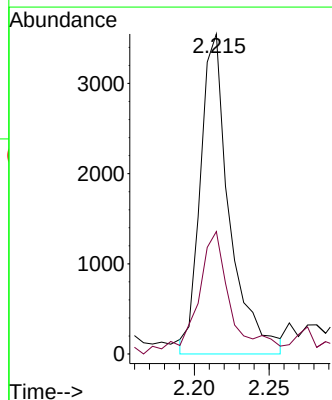
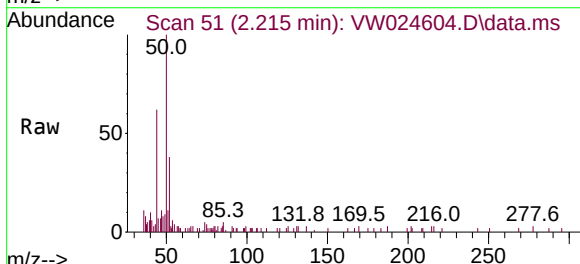
Instrument :  
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 MDL 1. PBB

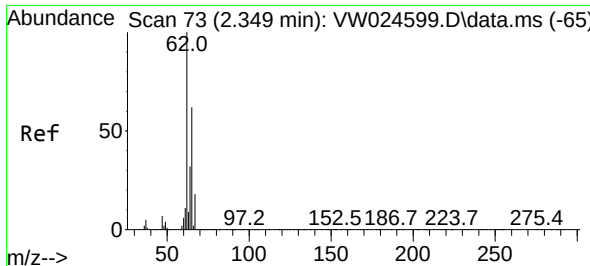
Tgt Ion: 85 Resp: 201  
 Ion Ratio Lower Upper  
 85 100  
 87 24.9 24.2 36.2



#3  
 Chloromethane  
 Concen: 1.566 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VW024604.D  
 Acq: 12 Sep 2022 13:50

Tgt Ion: 50 Resp: 4798  
 Ion Ratio Lower Upper  
 50 100  
 52 38.3 23.3 43.3

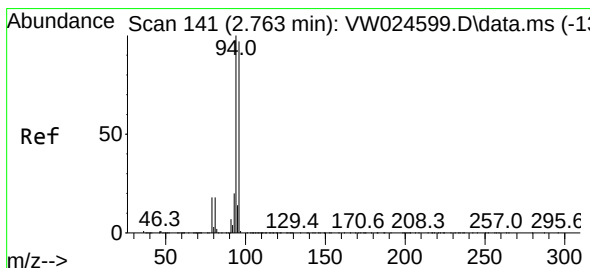
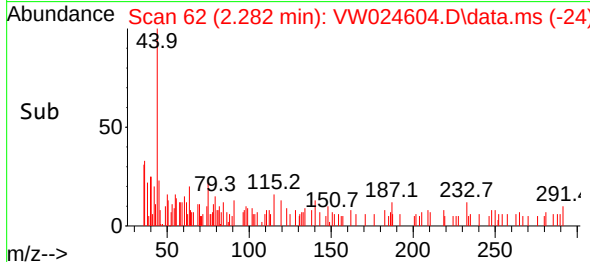
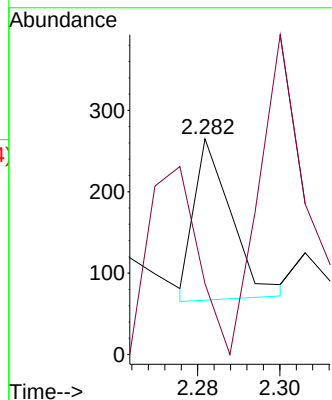
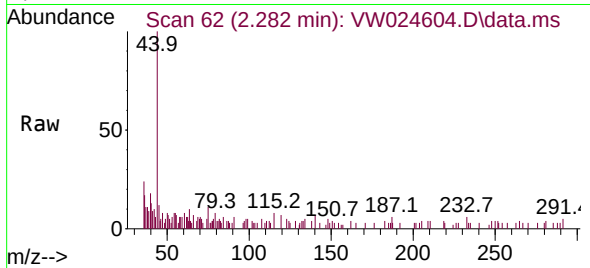




#5  
 Vinyl chloride  
 Concen: 0.024 ug/L  
 RT: 2.282 min Scan# 61  
 Delta R.T. -0.067 min  
 Lab File: VW024604.D  
 Acq: 12 Sep 2022 13:50

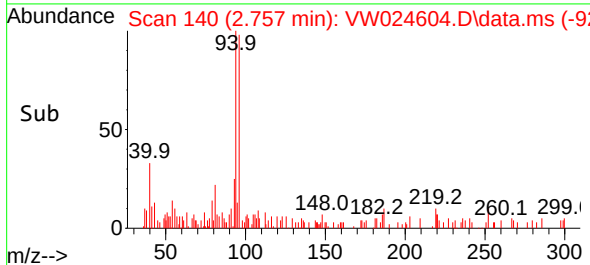
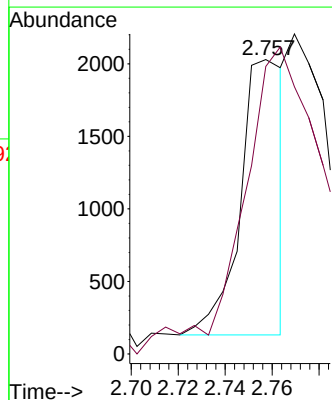
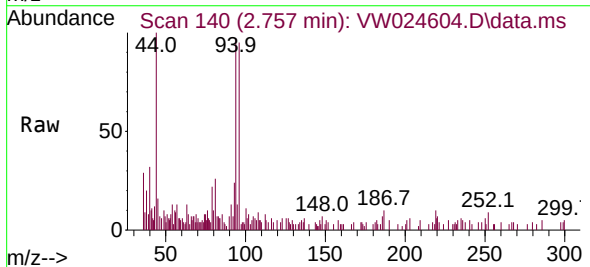
Instrument :  
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 ClientSampleId :  
 MDL 1. PBB

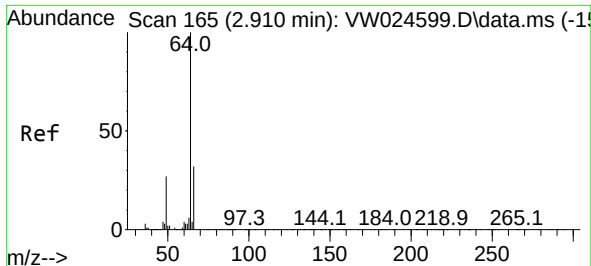
Tgt Ion: 62 Resp: 125  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 23.3 43.3



#6  
 Bromomethane  
 Concen: 0.725 ug/L  
 RT: 2.757 min Scan# 140  
 Delta R.T. -0.006 min  
 Lab File: VW024604.D  
 Acq: 12 Sep 2022 13:50

Tgt Ion: 94 Resp: 2442  
 Ion Ratio Lower Upper  
 94 100  
 96 97.6 69.8 129.6

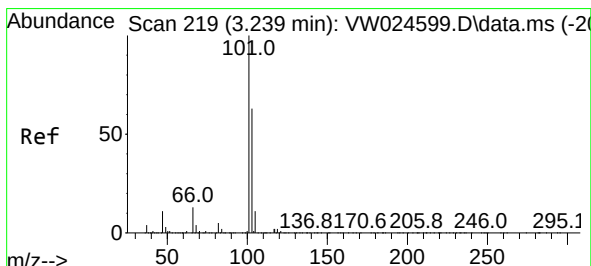
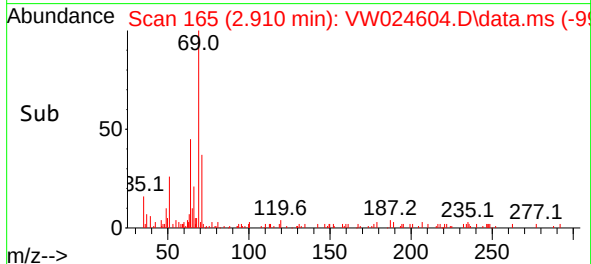
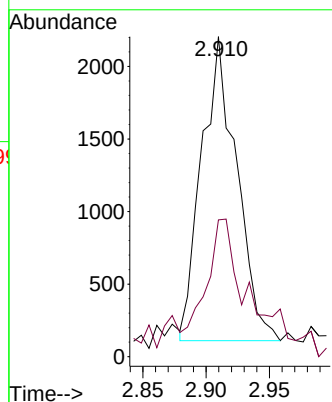
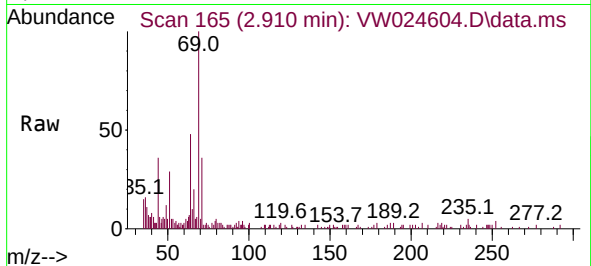




#8  
Chloroethane  
Concen: 1.436 ug/L  
RT: 2.910 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

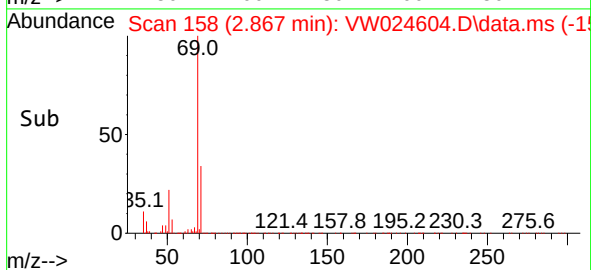
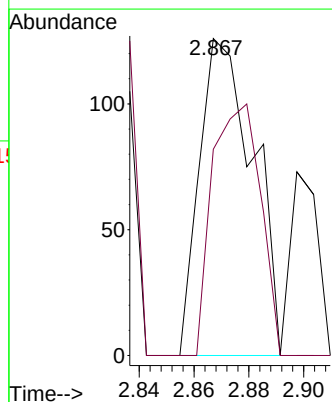
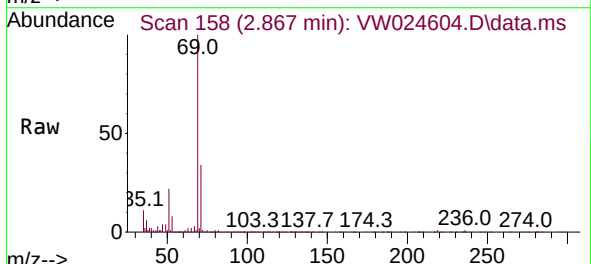
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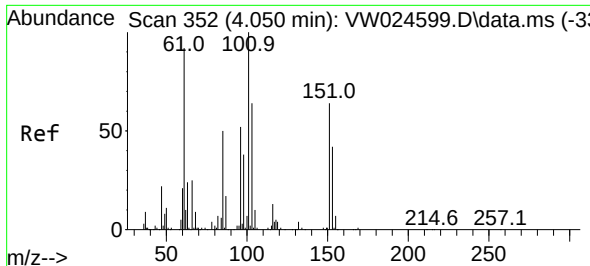
Tgt Ion: 64 Resp: 4035  
Ion Ratio Lower Upper  
64 100  
66 42.8 23.7 44.1



#9  
Trichlorofluoromethane  
Concen: 0.058 ug/L  
RT: 2.867 min Scan# 158  
Delta R.T. -0.372 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 101 Resp: 172  
Ion Ratio Lower Upper  
101 100  
103 70.9 52.5 78.7

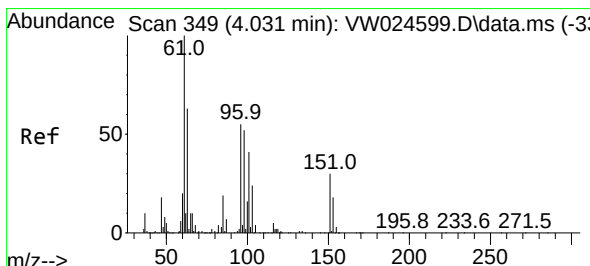
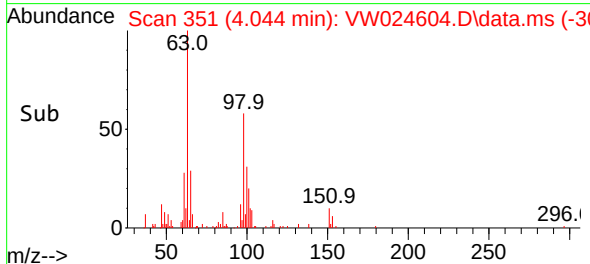
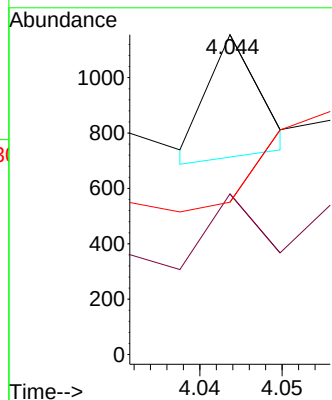
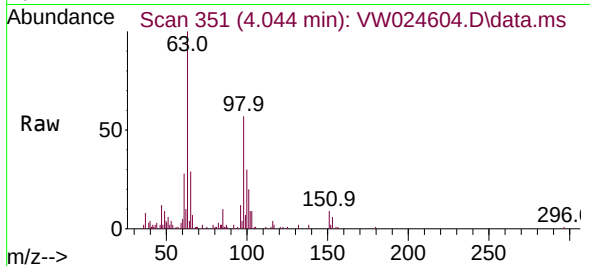




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.072 ug/L  
 RT: 4.044 min Scan# 352  
 Delta R.T. -0.006 min  
 Lab File: VW024604.D  
 Acq: 12 Sep 2022 13:50

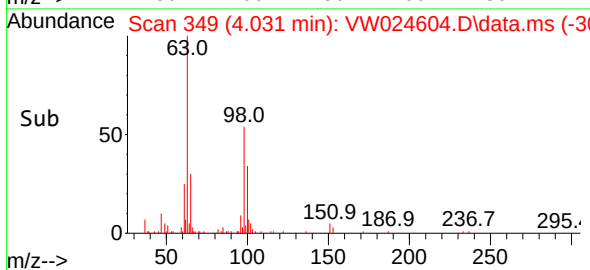
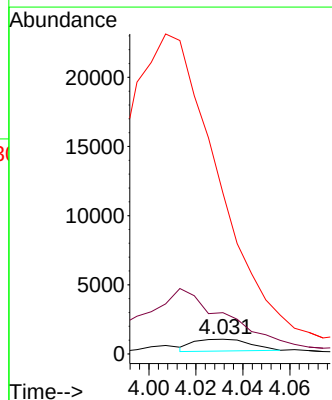
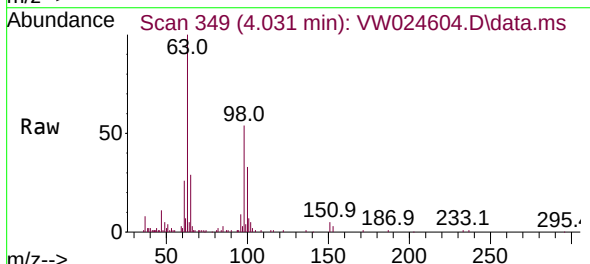
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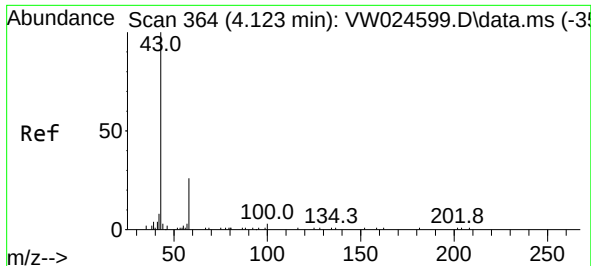
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 Ion Ratio Lower Upper  
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 151 0.0 53.9 80.9#



#12  
 1,1-Dichloroethene  
 Concen: 0.613 ug/L  
 RT: 4.031 min Scan# 349  
 Delta R.T. 0.000 min  
 Lab File: VW024604.D  
 Acq: 12 Sep 2022 13:50

Tgt Ion: 96 Resp: 1443  
 Ion Ratio Lower Upper  
 96 100  
 61 281.0 119.8 222.6#  
 63 1095.6 89.6 166.4#





#13

Acetone

Concen: 0.938 ug/L

RT: 4.123 min Scan# 3

Delta R.T. 0.000 min

Lab File: VW024604.D

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ClientSampleId :

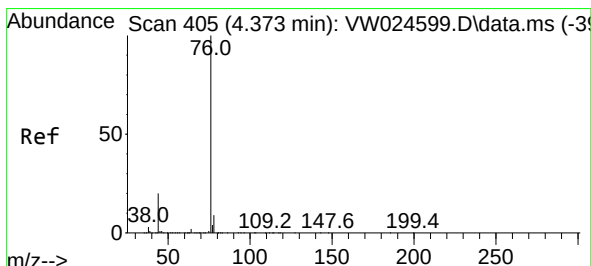
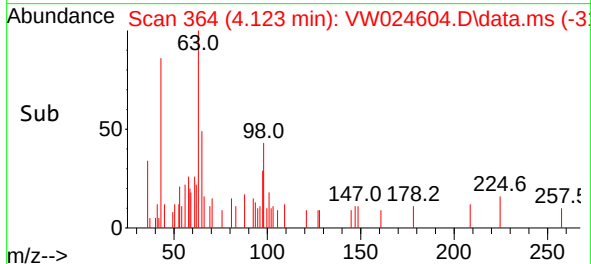
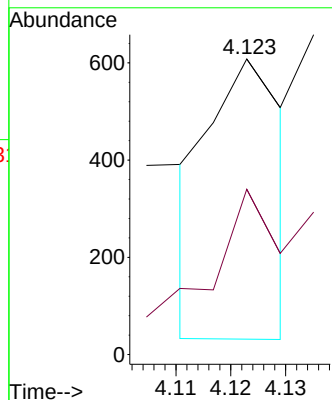
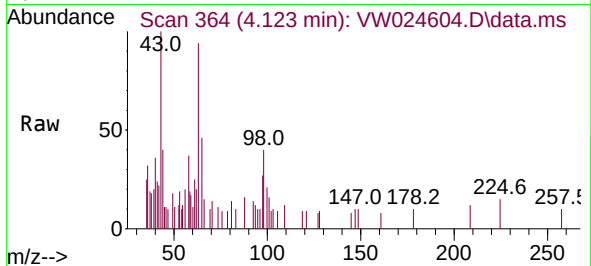
MDL 1. PBB

Tgt Ion: 43 Resp: 547

Ion Ratio Lower Upper

43 100

58 54.1 0.0 57.8



#14

Carbon disulfide

Concen: 1.061 ug/L

RT: 4.367 min Scan# 404

Delta R.T. -0.006 min

Lab File: VW024604.D

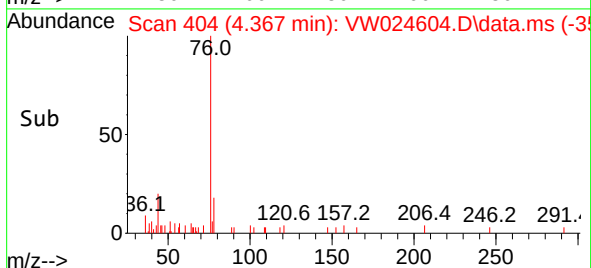
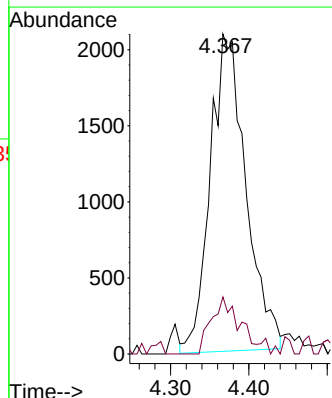
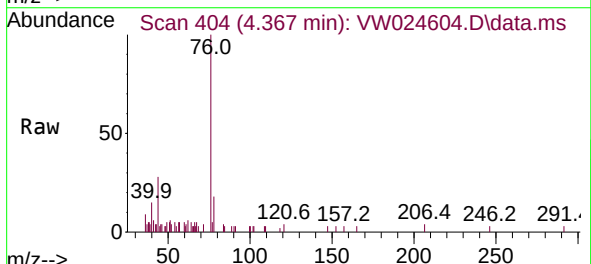
Acq: 12 Sep 2022 13:50

Tgt Ion: 76 Resp: 6606

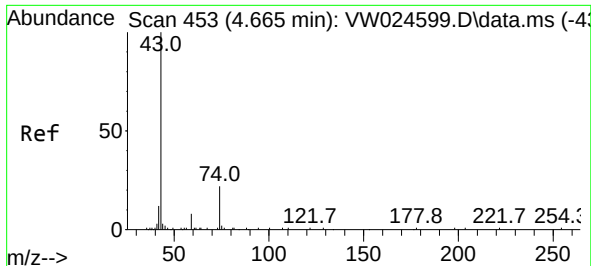
Ion Ratio Lower Upper

76 100

78 17.8 7.5 11.3#



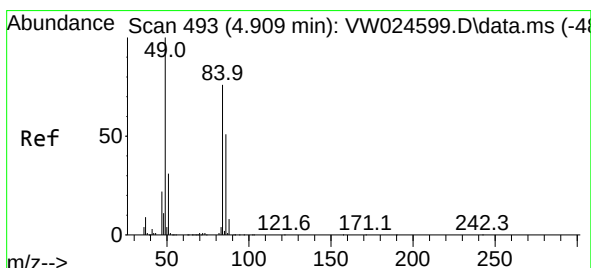
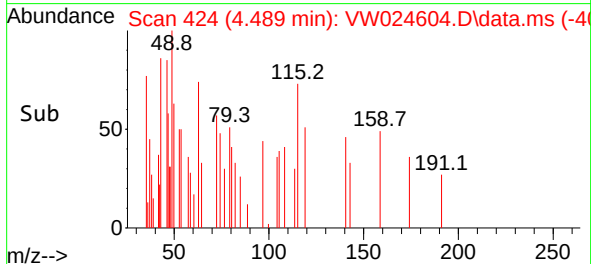
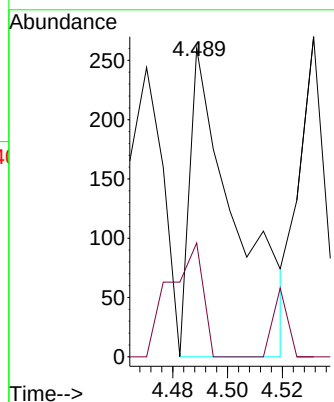
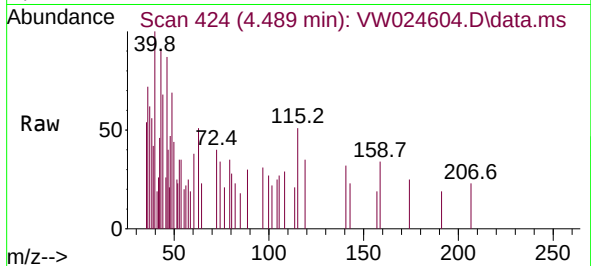




#15  
Methyl Acetate  
Concen: 0.244 ug/L  
RT: 4.489 min Scan# 41  
Delta R.T. -0.177 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

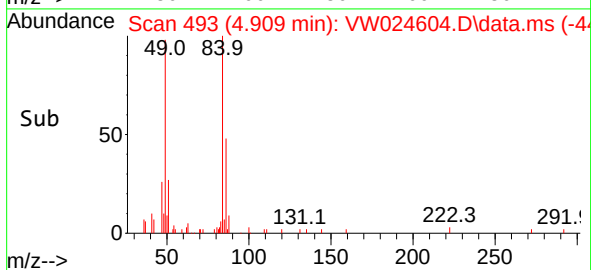
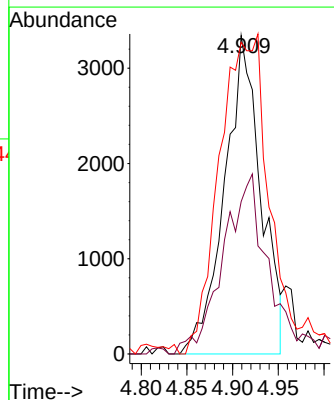
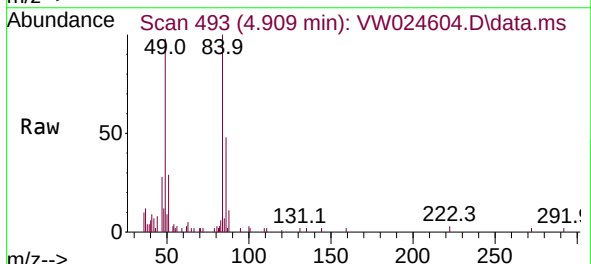
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

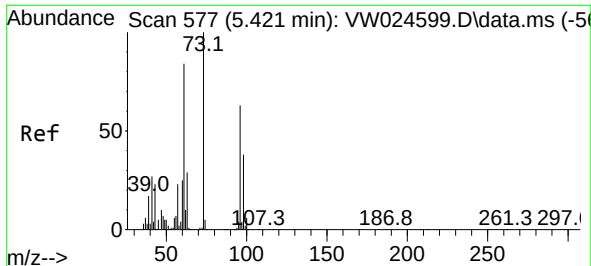
Tgt Ion: 43 Resp: 301  
Ion Ratio Lower Upper  
43 100  
74 26.9 19.9 29.9



#16  
Methylene chloride  
Concen: 3.013 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 84 Resp: 9251  
Ion Ratio Lower Upper  
84 100  
86 47.8 44.4 82.5  
49 97.9 88.5 164.3

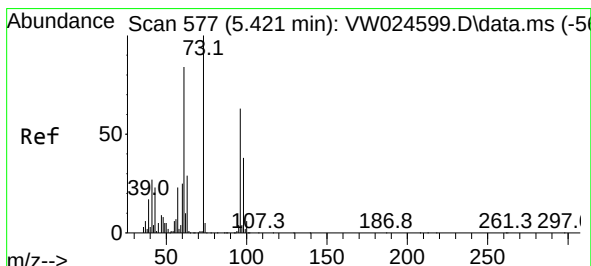
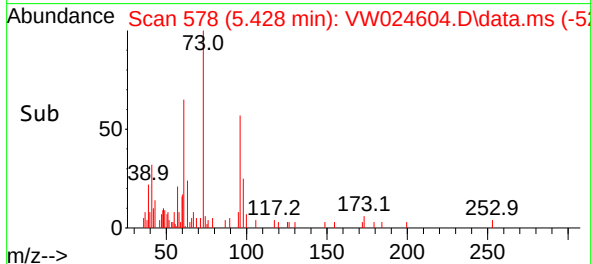
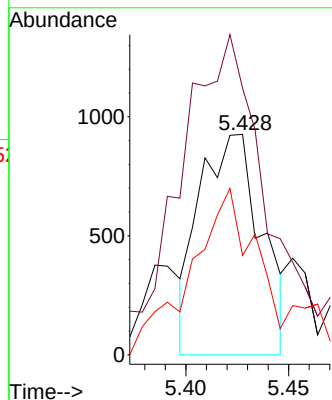
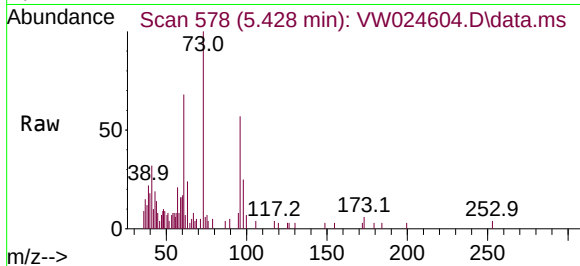




#17  
trans-1,2-Dichloroethene  
Concen: 0.719 ug/L  
RT: 5.428 min Scan# 577  
Delta R.T. 0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

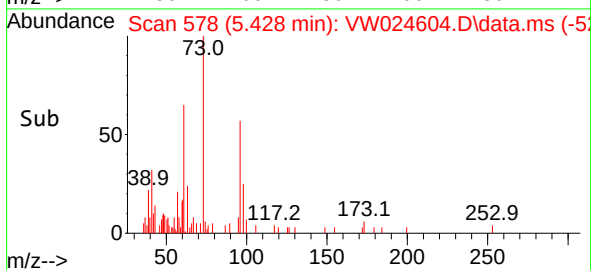
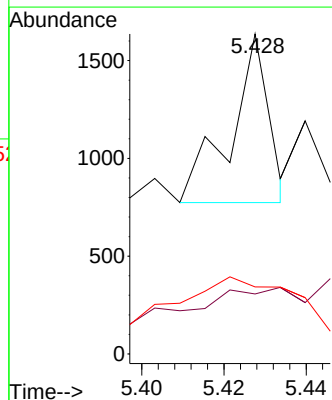
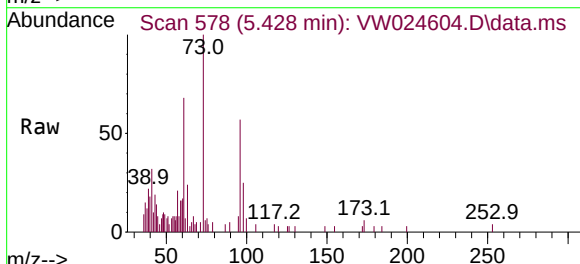
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

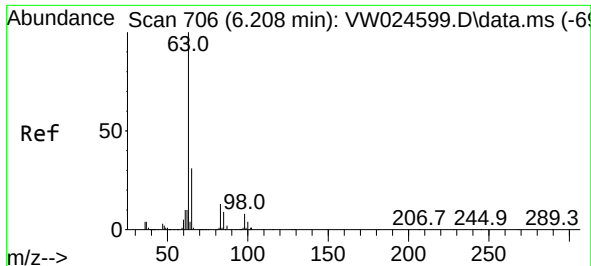
Tgt Ion: 96 Resp: 1938  
Ion Ratio Lower Upper  
96 100  
61 121.0 91.7 170.3  
98 45.0 43.6 81.0



#18  
Methyl tert-butyl Ether  
Concen: 0.116 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 73 Resp: 558  
Ion Ratio Lower Upper  
73 100  
43 83.9 16.7 25.1#  
57 121.7 16.8 25.2#

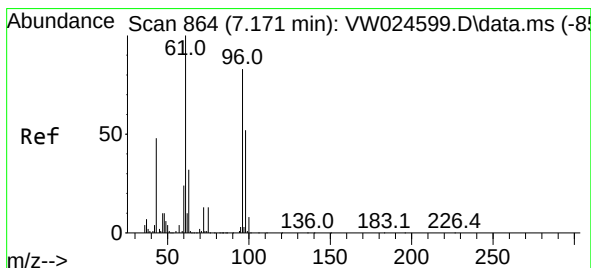
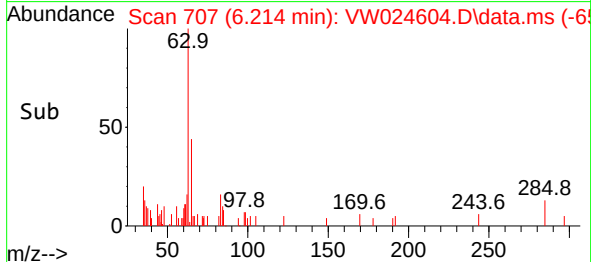
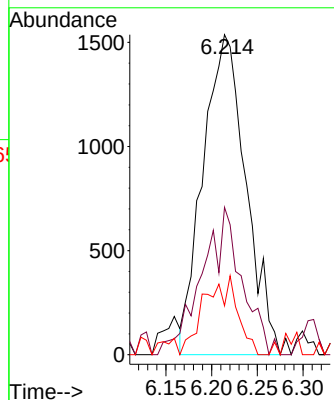
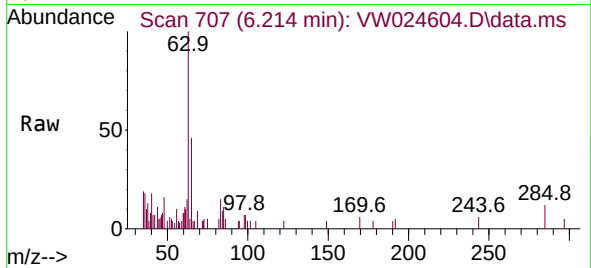




#19  
1,1-Dichloroethane  
Concen: 1.024 ug/L  
RT: 6.214 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

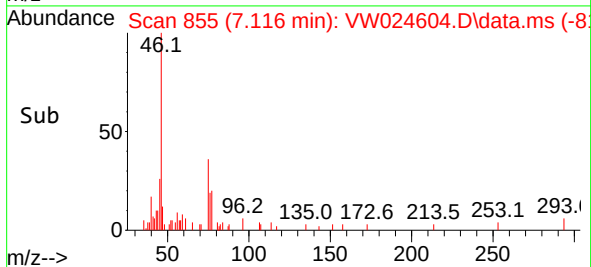
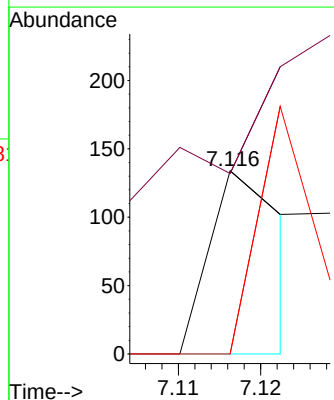
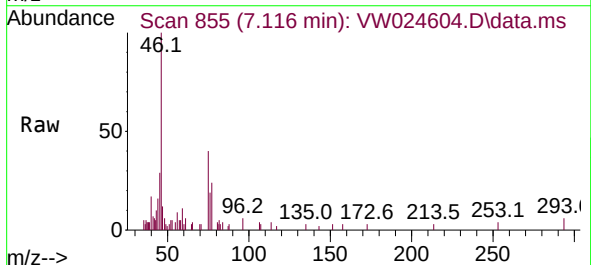
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

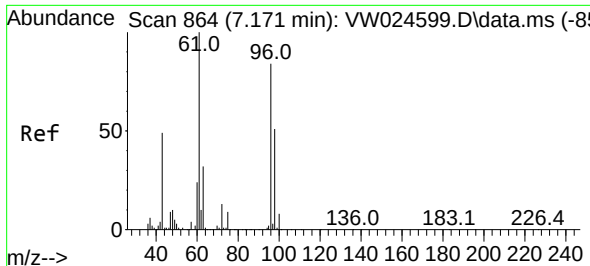
Tgt Ion: 63 Resp: 5019  
Ion Ratio Lower Upper  
63 100  
65 46.1 22.0 41.0#  
83 15.3 9.5 17.7



#20  
cis-1,2-Dichloroethene  
Concen: 0.028 ug/L  
RT: 7.116 min Scan# 855  
Delta R.T. -0.055 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 96 Resp: 86  
Ion Ratio Lower Upper  
96 100  
61 98.5 91.2 169.4  
68 0.0 0.0 0.0

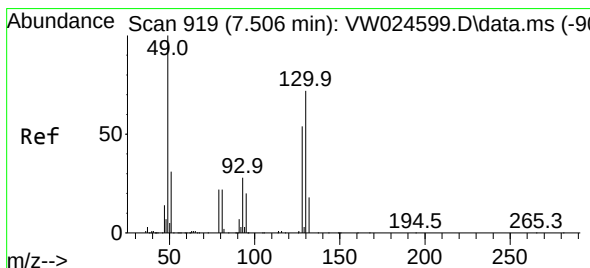
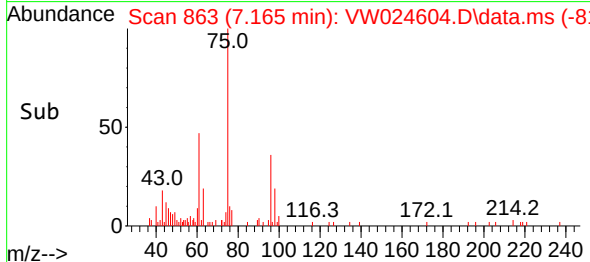
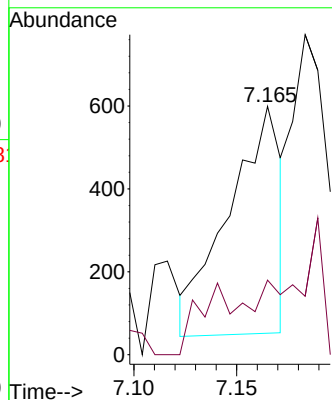
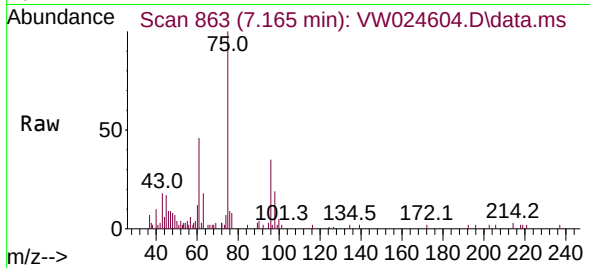




#22  
2-Butanone  
Concen: 1.026 ug/L  
RT: 7.165 min Scan# 863  
Delta R.T. -0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

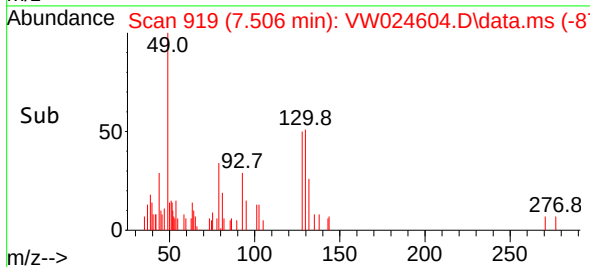
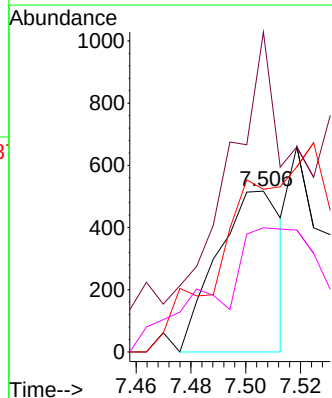
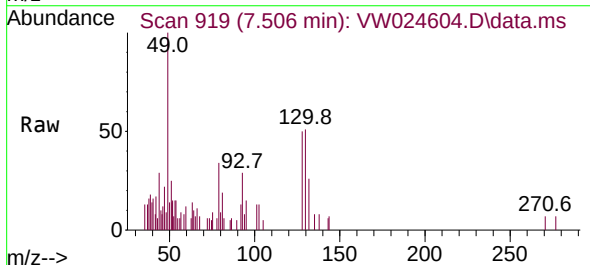
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

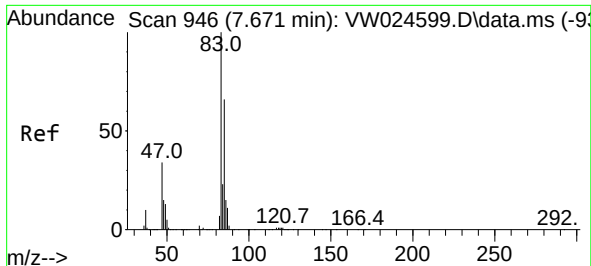
Tgt Ion: 43 Resp: 968  
Ion Ratio Lower Upper  
43 100  
72 24.0 15.4 46.4



#23  
Bromochloromethane  
Concen: 0.609 ug/L  
RT: 7.506 min Scan# 919  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 128 Resp: 843  
Ion Ratio Lower Upper  
128 100  
49 199.0 110.0 204.2  
130 101.2 88.3 163.9  
51 77.2 39.2 58.8#

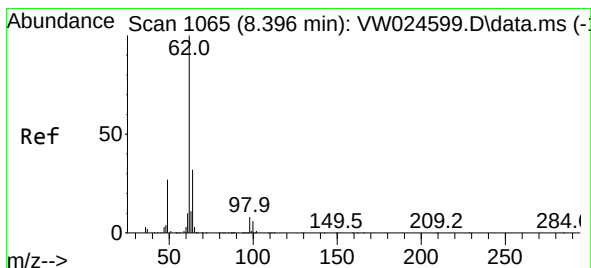
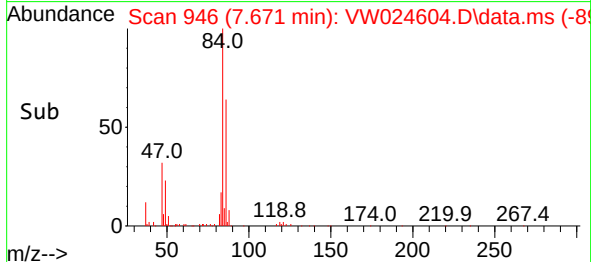
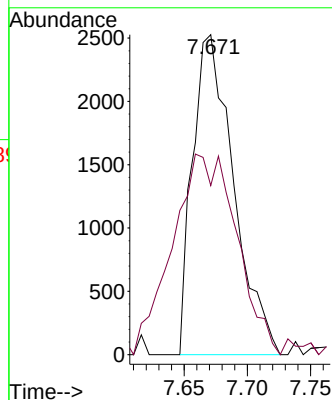
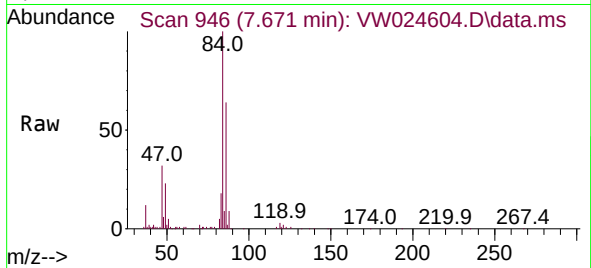




#25  
Chloroform  
Concen: 1.047 ug/L  
RT: 7.671 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

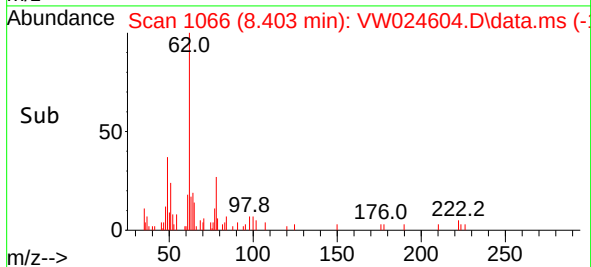
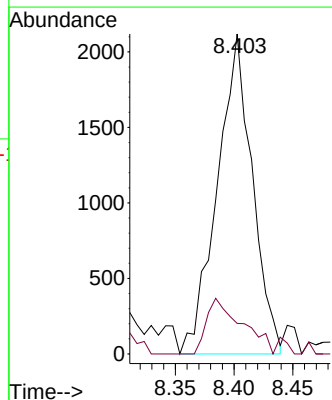
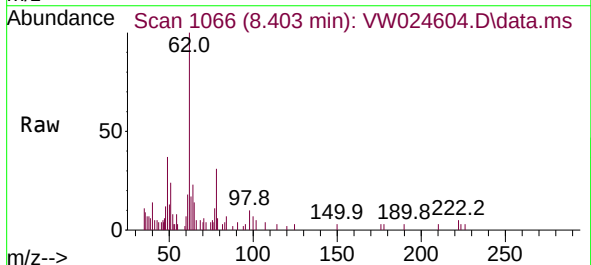
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

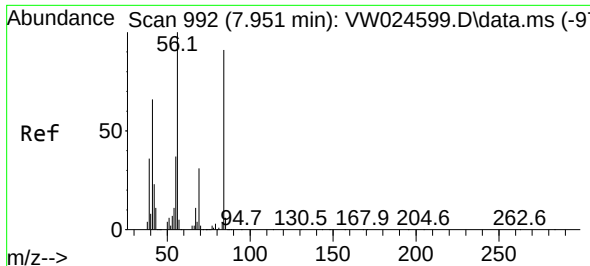
Tgt Ion: 83 Resp: 5702  
Ion Ratio Lower Upper  
83 100  
85 52.9 46.4 86.2



#27  
1,2-Dichloroethane  
Concen: 1.203 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 62 Resp: 4404  
Ion Ratio Lower Upper  
62 100  
98 9.5 7.4 11.0

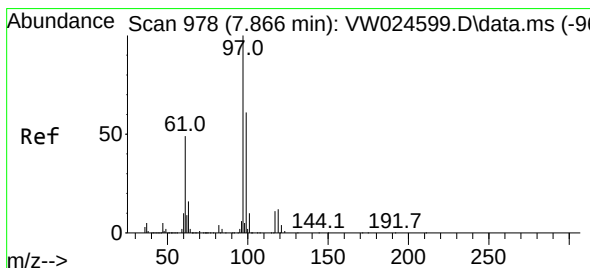
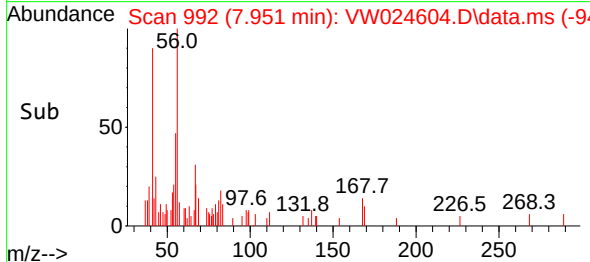
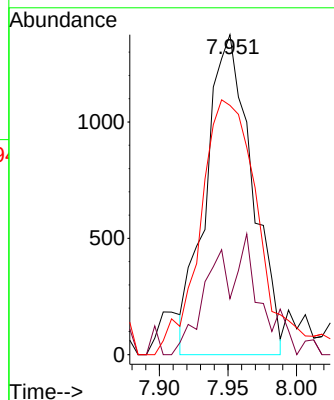
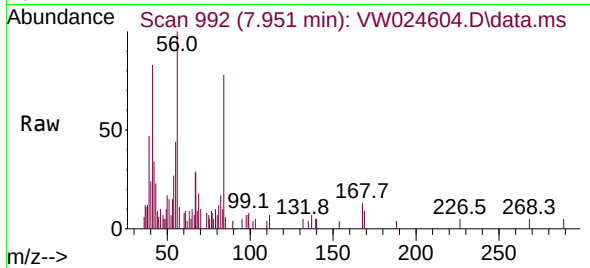




#29  
Cyclohexane  
Concen: 0.766 ug/L  
RT: 7.951 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

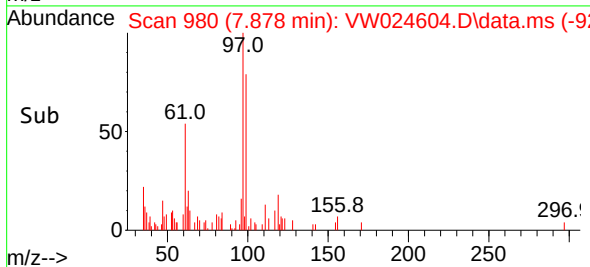
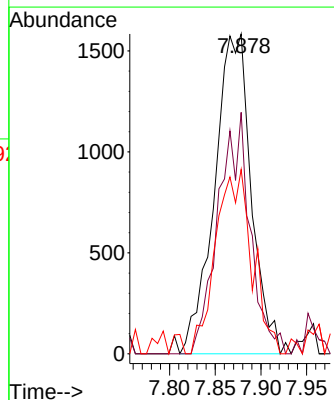
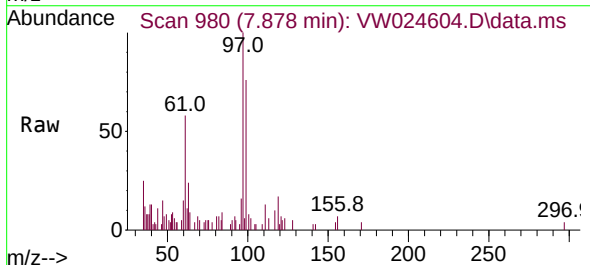
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

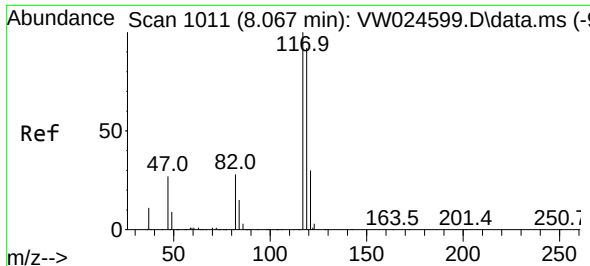
Tgt Ion: 56 Resp: 3218  
Ion Ratio Lower Upper  
56 100  
69 19.0 24.5 36.7#  
84 95.2 75.7 113.5



#30  
1,1,1-Trichloroethane  
Concen: 0.930 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. 0.012 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 97 Resp: 4427  
Ion Ratio Lower Upper  
97 100  
99 38.9 51.5 77.3#  
61 33.7 37.2 55.8#

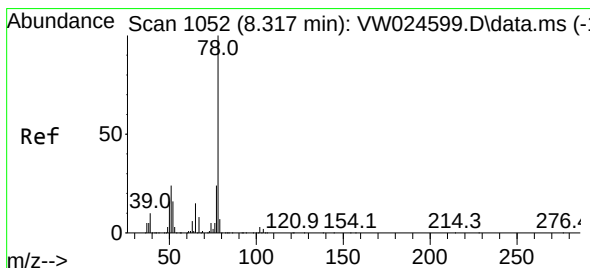
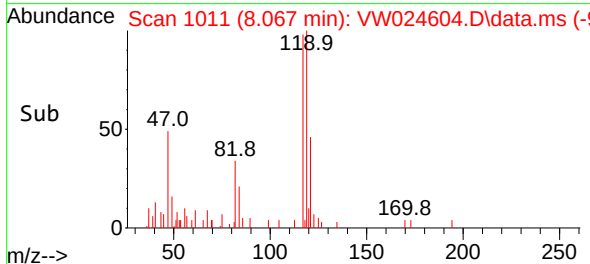
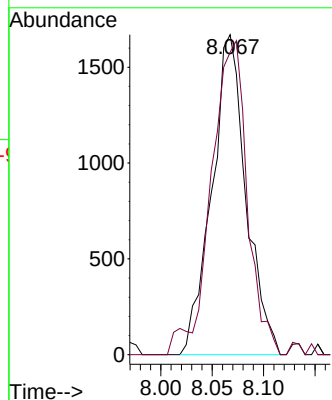
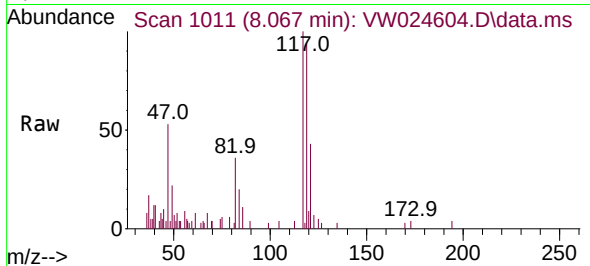




#31  
Carbon tetrachloride  
Concen: 0.893 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

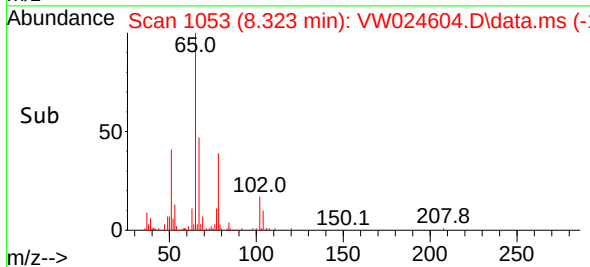
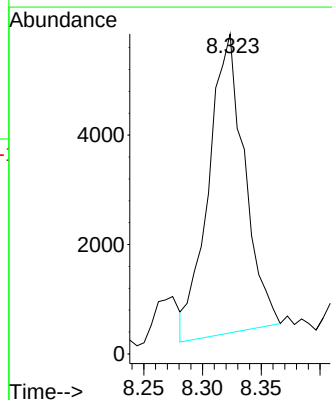
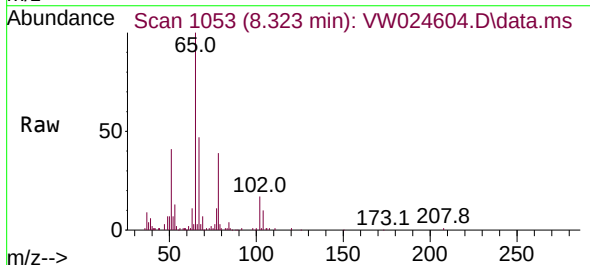
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

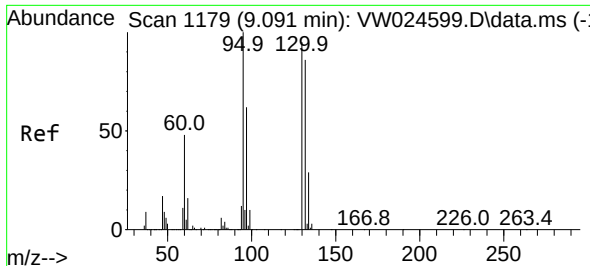
Tgt Ion:117 Resp: 3881  
Ion Ratio Lower Upper  
117 100  
119 98.5 74.4 111.6



#33  
Benzene  
Concen: 0.949 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 78 Resp: 11689





#34

Trichloroethene

Concen: 0.984 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

Instrument :

MSVOA\_W

ClientSampleId :

MDL 1. PBB

Tgt Ion: 95 Resp: 3166

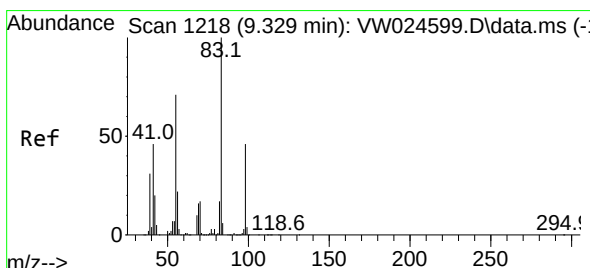
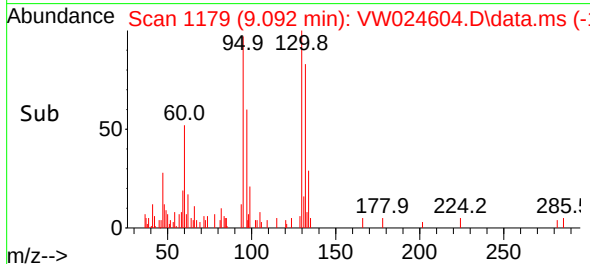
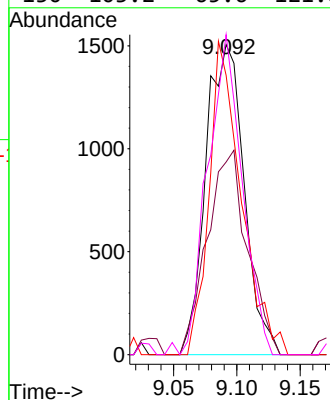
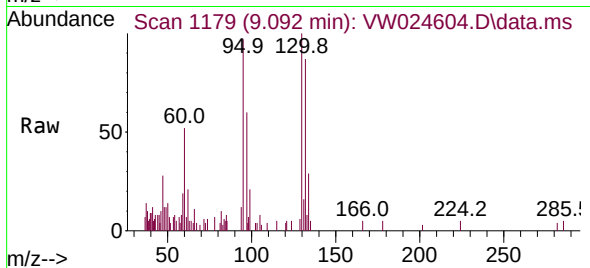
Ion Ratio Lower Upper

95 100

97 66.7 45.9 85.3

132 90.1 62.6 116.2

130 103.2 65.6 121.8



#35

Methylcyclohexane

Concen: 0.878 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

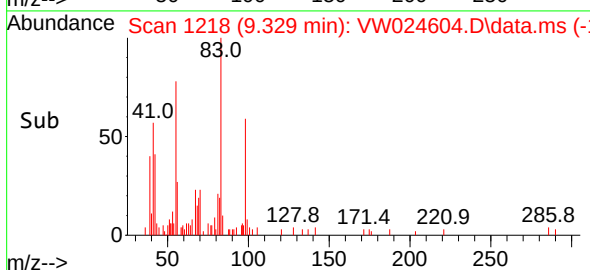
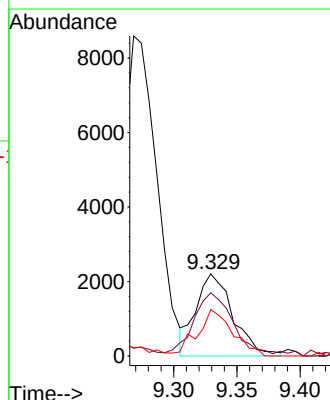
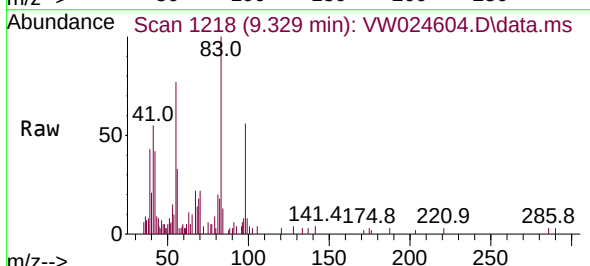
Tgt Ion: 83 Resp: 4519

Ion Ratio Lower Upper

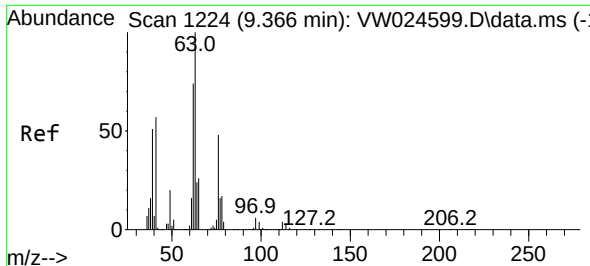
83 100

55 78.3 57.3 85.9

98 43.6 40.4 60.6







#37

1,2-Dichloropropane

Concen: 1.007 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

Instrument :

MSVOA\_W

ClientSampleId :

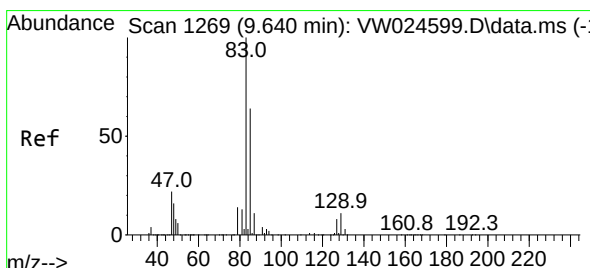
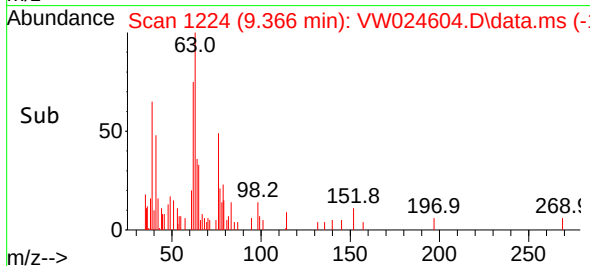
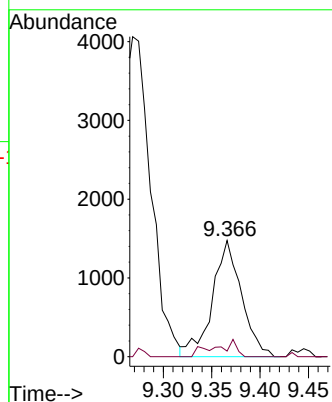
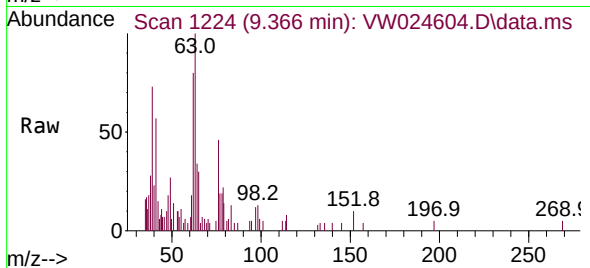
MDL 1. PBB

Tgt Ion: 63 Resp: 3097

Ion Ratio Lower Upper

63 100

112 3.4 3.9 5.9#



#38

Bromodichloromethane

Concen: 0.931 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

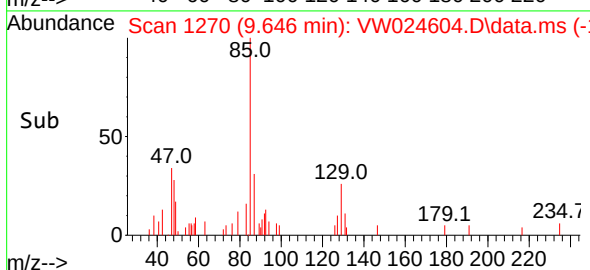
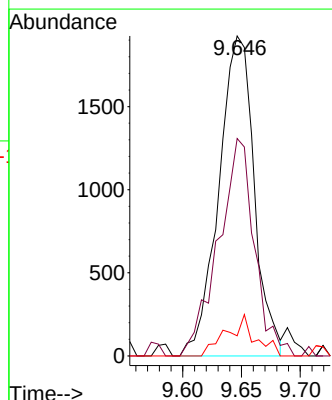
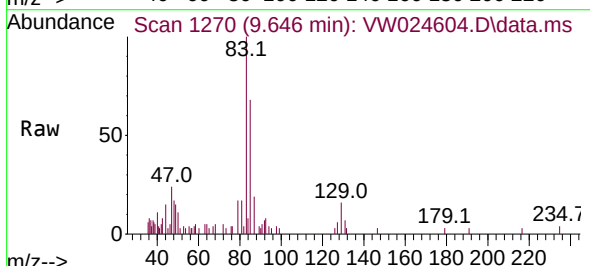
Tgt Ion: 83 Resp: 4048

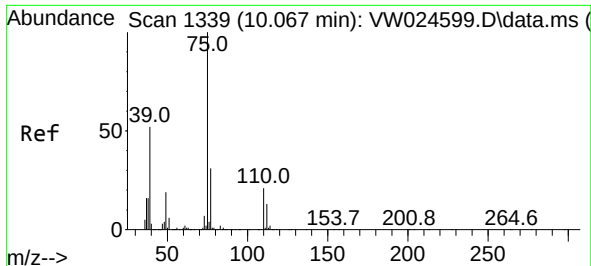
Ion Ratio Lower Upper

83 100

85 67.9 45.1 83.9

127 6.3 7.3 10.9#





#39

cis-1,3-Dichloropropene

Concen: 0.939 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

Instrument :

MSVOA\_W

ClientSampleId :

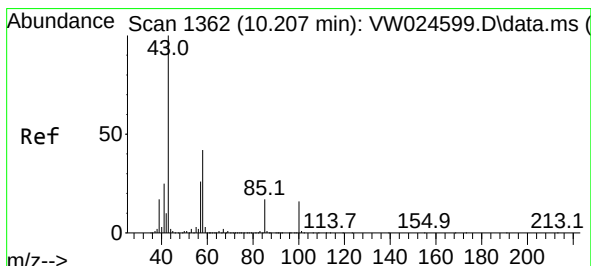
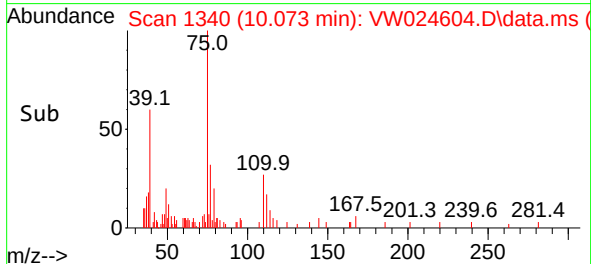
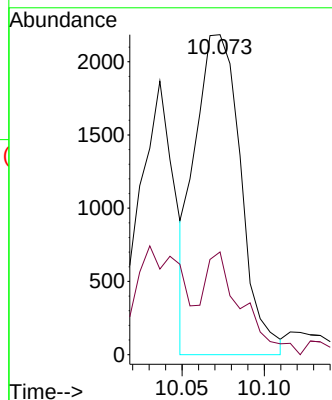
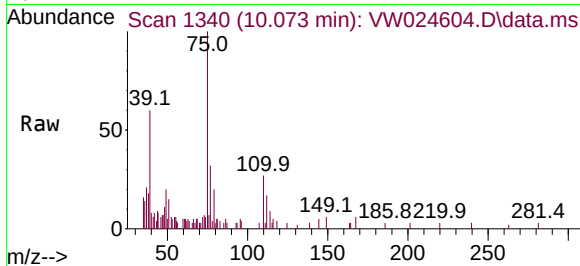
MDL 1. PBB

Tgt Ion: 75 Resp: 4223

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 1.826 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

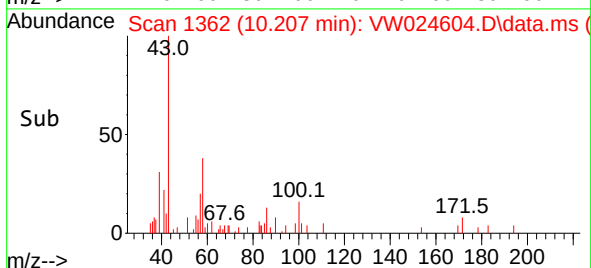
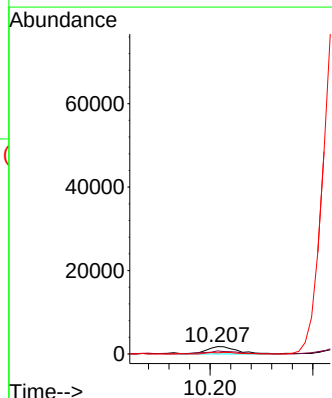
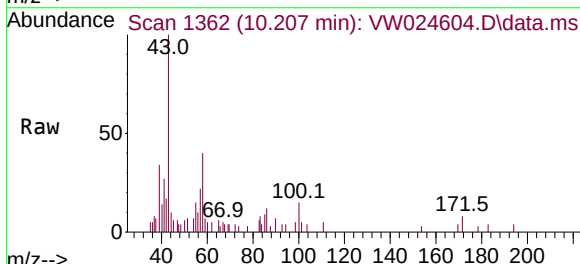
Tgt Ion: 43 Resp: 3706

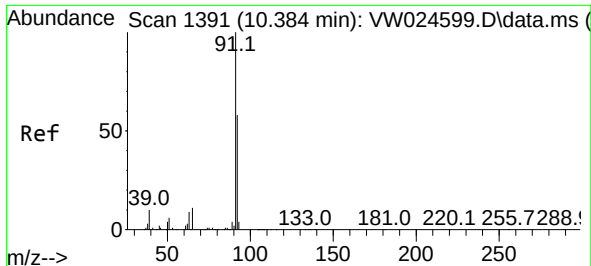
Ion Ratio Lower Upper

43 100

58 40.9 30.9 46.3

100 19.2 13.3 19.9

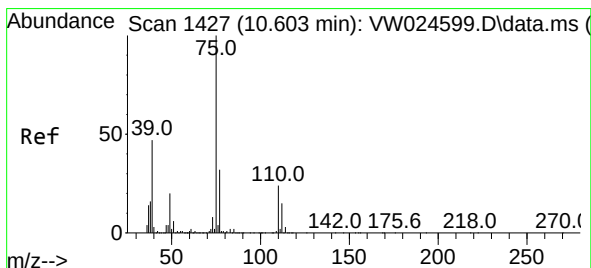
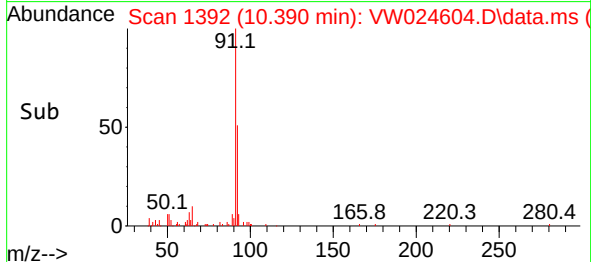
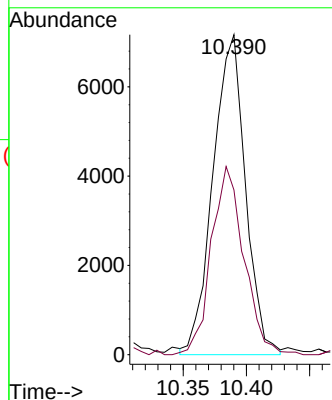
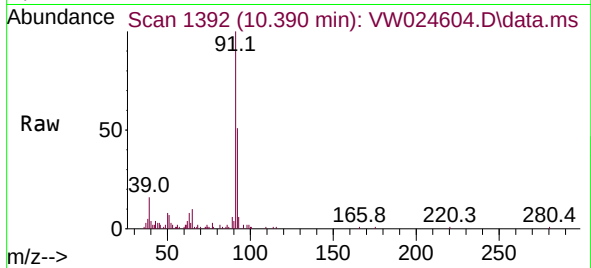




#42  
Toluene  
Concen: 0.942 ug/L  
RT: 10.390 min Scan# 1391  
Delta R.T. 0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

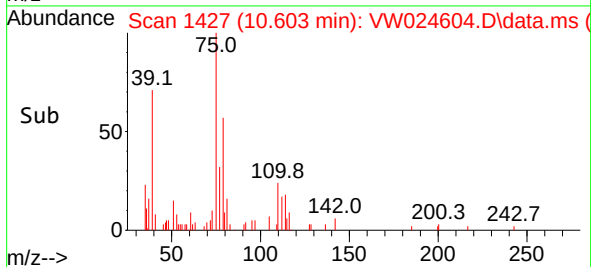
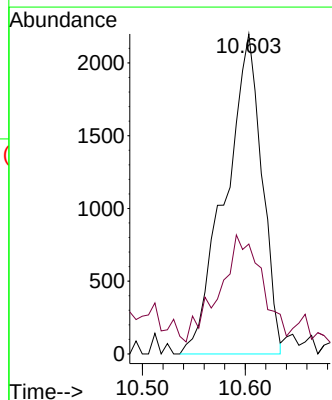
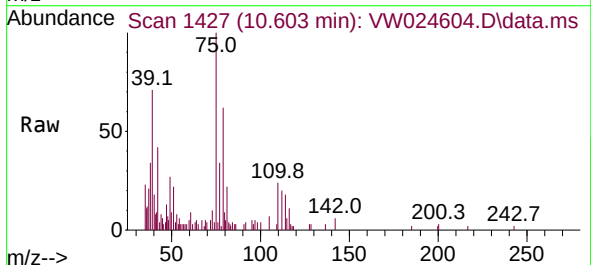
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

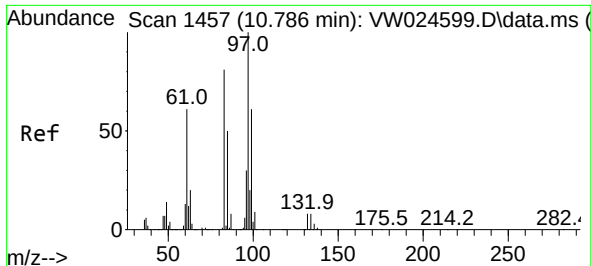
Tgt Ion: 91 Resp: 12787  
Ion Ratio Lower Upper  
91 100  
92 51.5 40.8 75.8



#44  
trans-1,3-Dichloropropene  
Concen: 1.282 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 75 Resp: 5448  
Ion Ratio Lower Upper  
75 100  
77 34.3 21.8 40.4

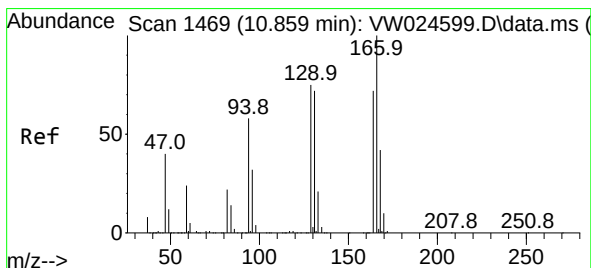
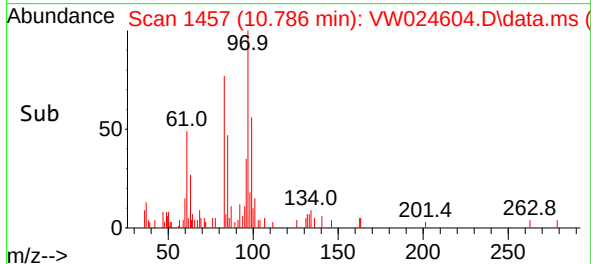
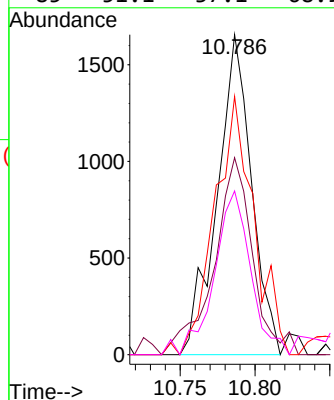
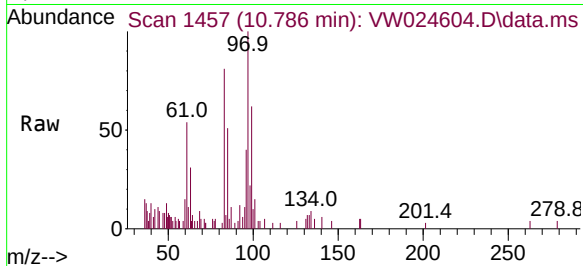




#45  
1,1,2-Trichloroethane  
Concen: 1.033 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

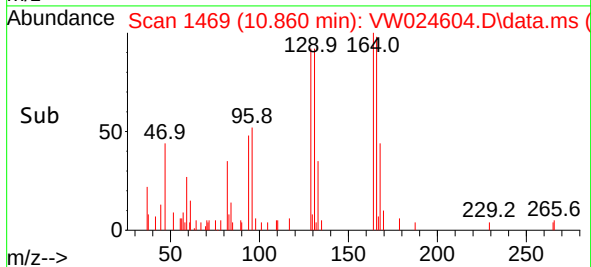
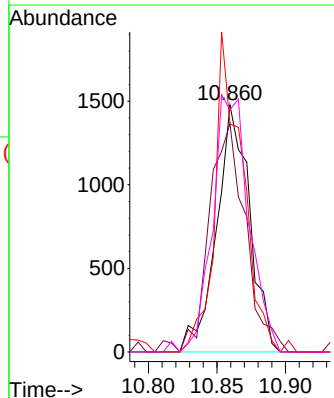
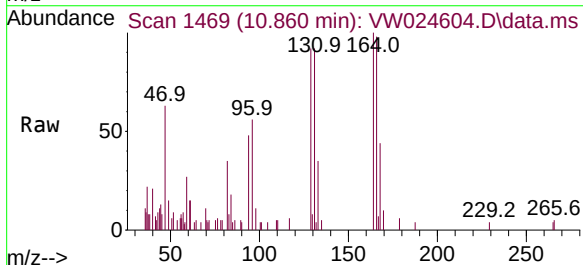
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

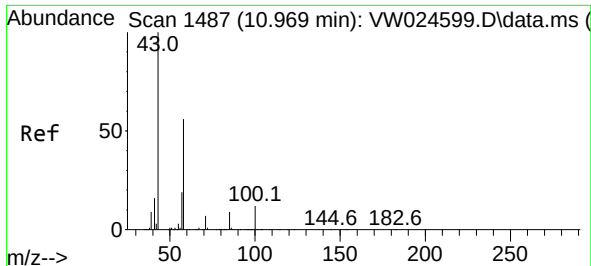
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 2655  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 61.5     | 41.9 77.9   |
| 83 80.7     | 58.2 108.0  |
| 85 51.1     | 37.1 68.9   |



#46  
Tetrachloroethene  
Concen: 1.042 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

|             |            |       |       |
|-------------|------------|-------|-------|
| Tgt Ion:164 | Resp: 2470 |       |       |
| Ion         | Ratio      | Lower | Upper |
| 164         | 100        |       |       |
| 129         | 100.5      | 75.0  | 139.2 |
| 131         | 92.3       | 70.1  | 130.1 |
| 166         | 98.1       | 95.1  | 176.7 |

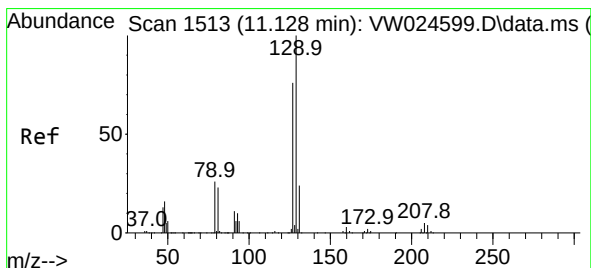
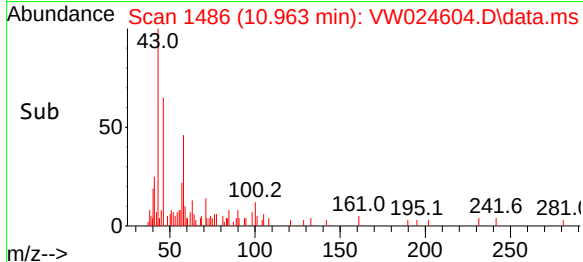
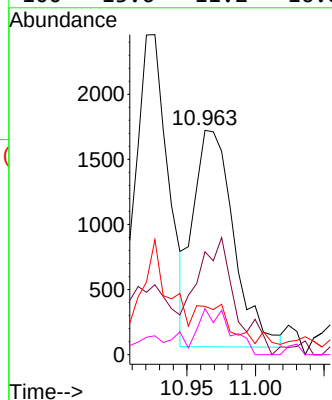
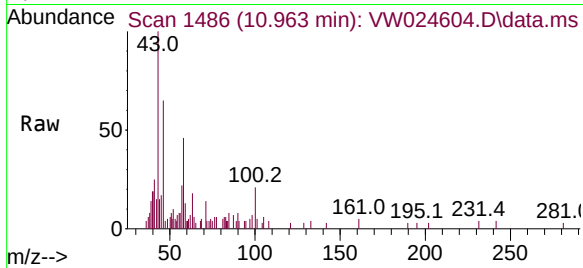




#48  
2-Hexanone  
Concen: 2.459 ug/L  
RT: 10.963 min Scan# 1487  
Delta R.T. -0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

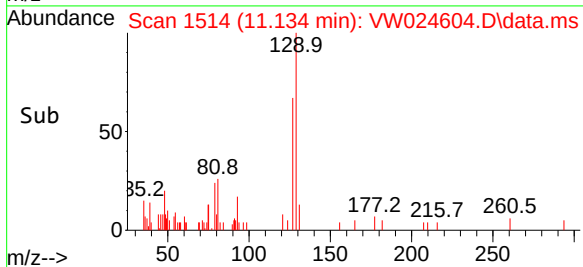
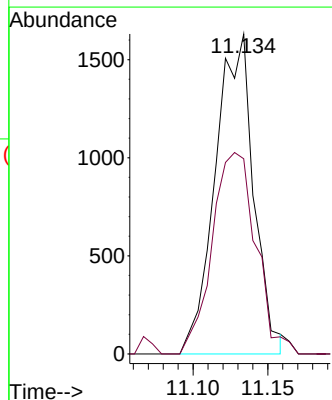
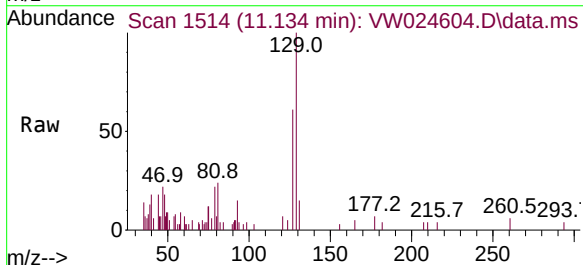
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

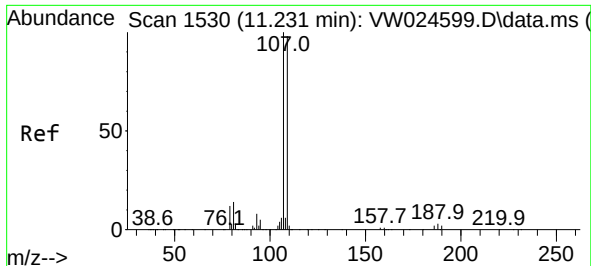
Tgt Ion: 43 Resp: 3422  
Ion Ratio Lower Upper  
43 100  
58 43.5 43.7 65.5#  
57 11.7 15.3 22.9#  
100 13.6 11.2 16.8



#49  
Dibromochloromethane  
Concen: 0.964 ug/L  
RT: 11.134 min Scan# 1514  
Delta R.T. 0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 129 Resp: 2898  
Ion Ratio Lower Upper  
129 100  
127 61.0 56.1 104.1





#50

1,2-Dibromoethane

Concen: 0.946 ug/L

RT: 11.237 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

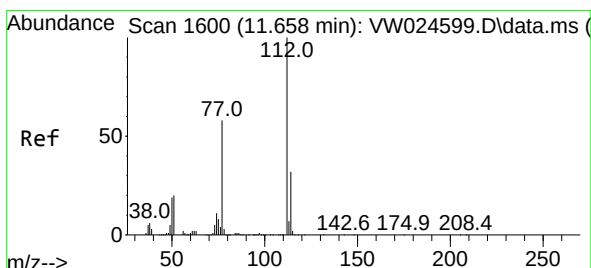
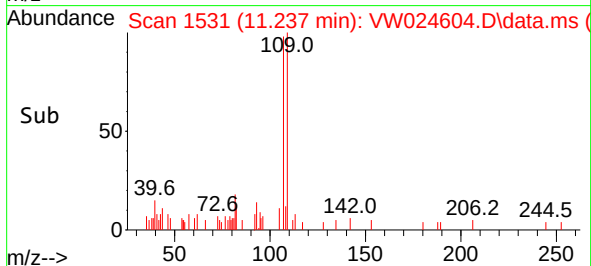
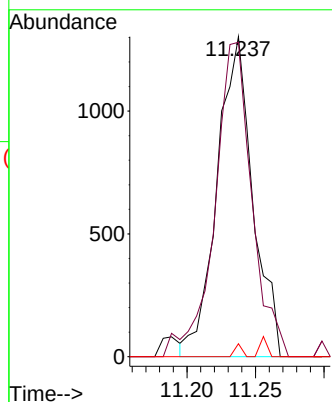
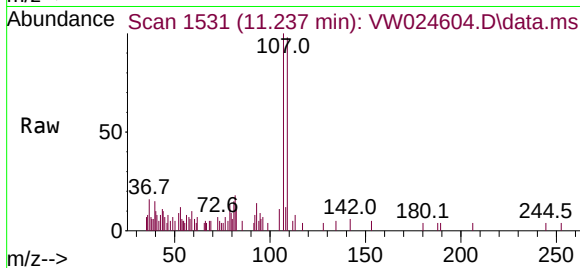
Instrument :

MSVOA\_W

ClientSampleId :

MDL 1. PBB

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 2360  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 98.2  | 64.5  | 119.9 |
| 188      | 4.1   | 3.0   | 4.4   |



#51

Chlorobenzene

Concen: 0.923 ug/L

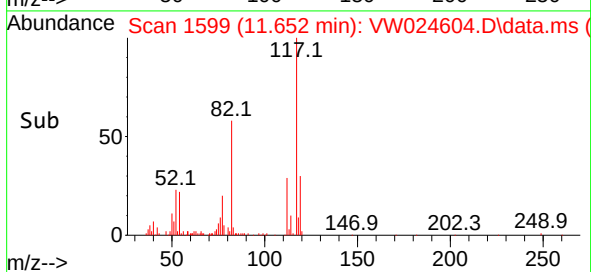
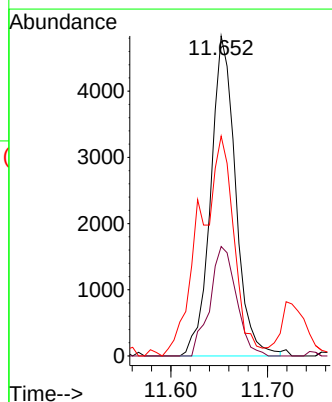
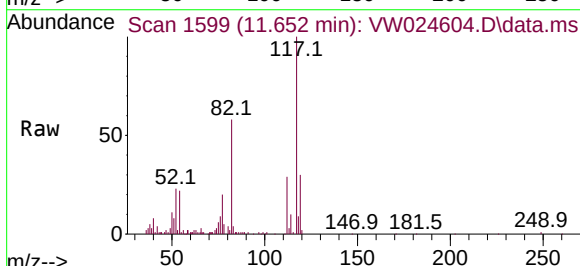
RT: 11.652 min Scan# 1599

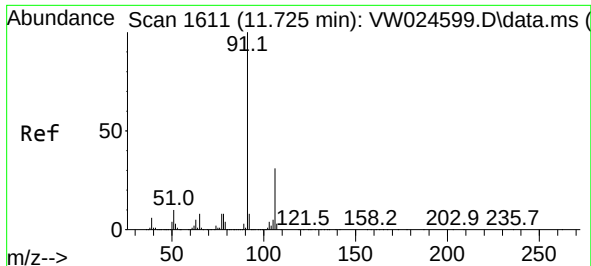
Delta R.T. -0.006 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 8656  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 34.2  | 20.0  | 37.2  |
| 77       | 68.7  | 42.6  | 63.8# |

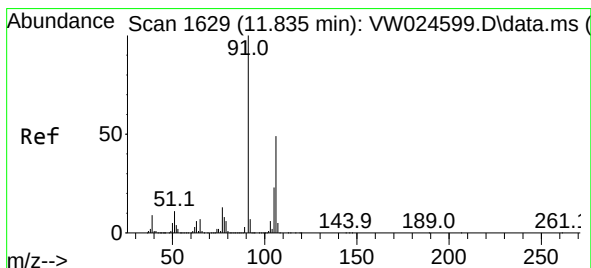
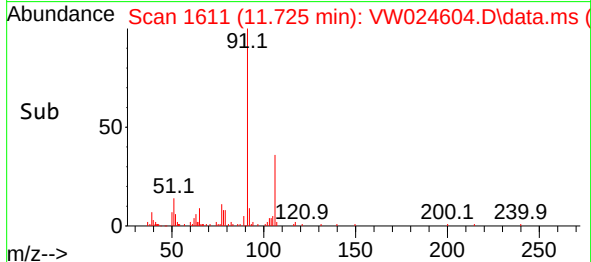
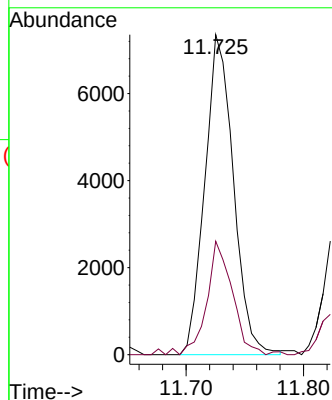
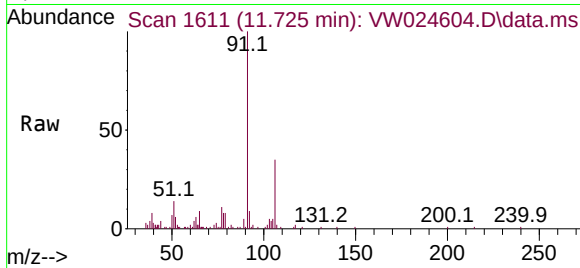




#52  
Ethylbenzene  
Concen: 0.807 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

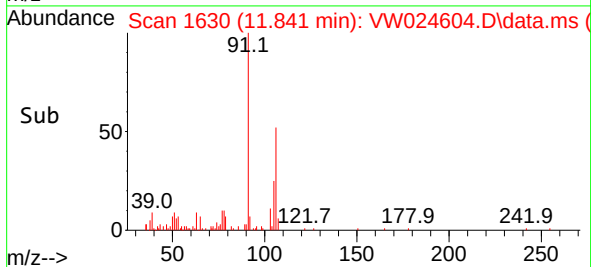
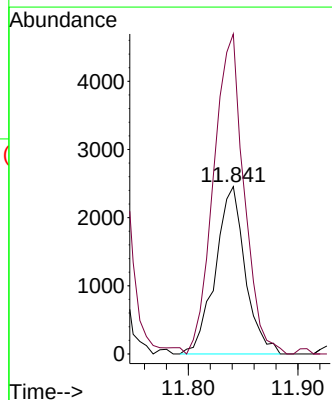
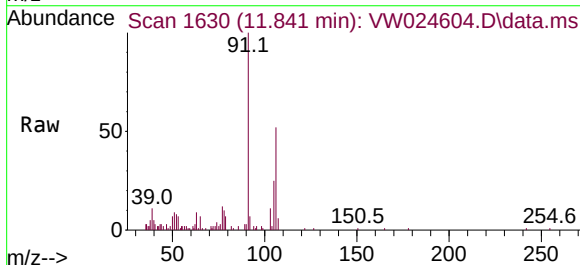
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

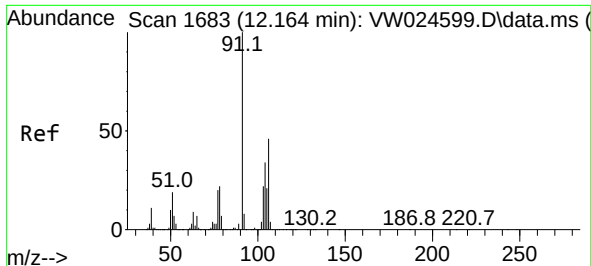
Tgt Ion: 91 Resp: 12448  
Ion Ratio Lower Upper  
91 100  
106 35.5 23.8 44.2



#53  
m,p-Xylene  
Concen: 0.772 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion: 106 Resp: 4649  
Ion Ratio Lower Upper  
106 100  
91 191.2 131.3 243.8

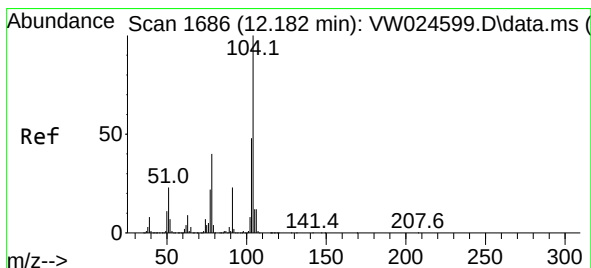
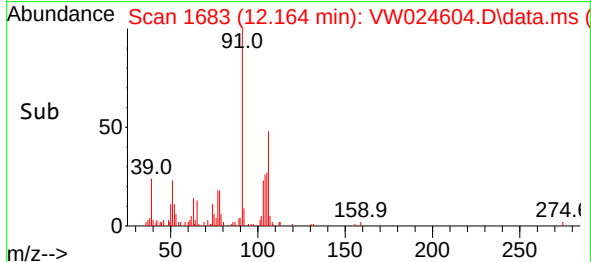
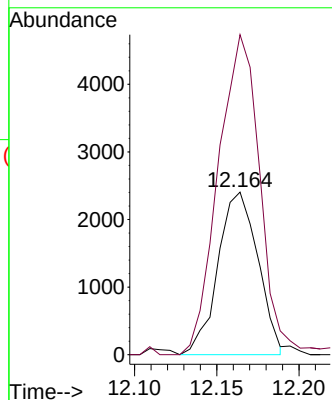
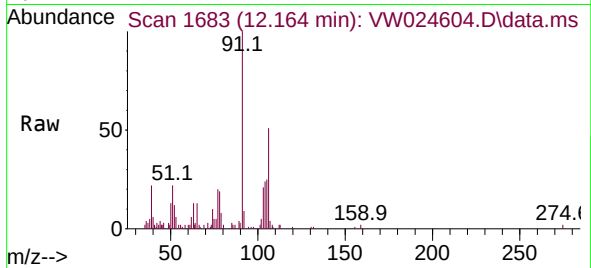




#54  
o-Xylene  
Concen: 0.710 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

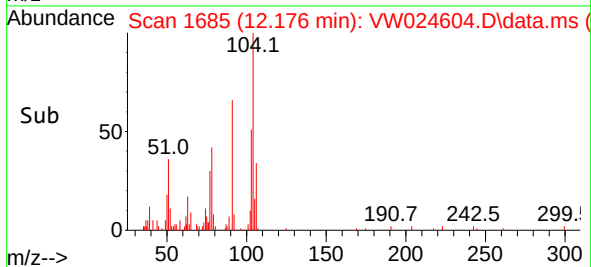
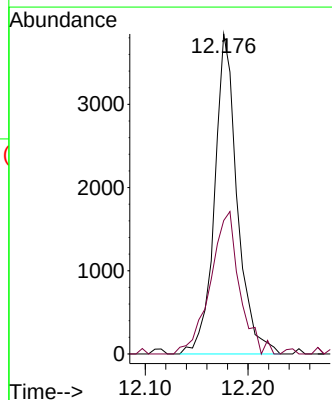
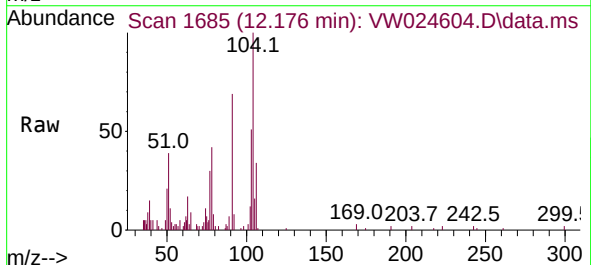
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

Tgt Ion:106 Resp: 4070  
Ion Ratio Lower Upper  
106 100  
91 196.9 148.7 276.3

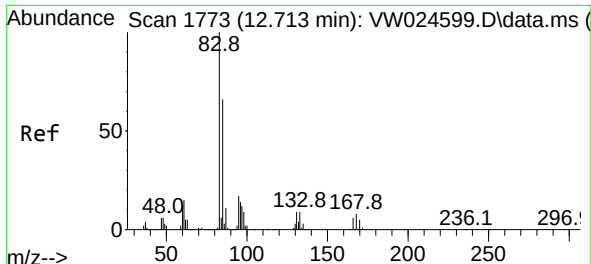


#55  
Styrene  
Concen: 0.585 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion:104 Resp: 5903  
Ion Ratio Lower Upper  
104 100  
78 41.7 33.0 61.4







#57

1,1,2-Tetrachloroethane

Concen: 1.002 ug/L

RT: 12.707 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

Instrument :

MSVOA\_W

ClientSampleId :

MDL 1. PBB

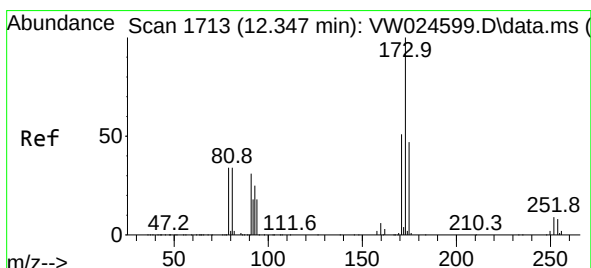
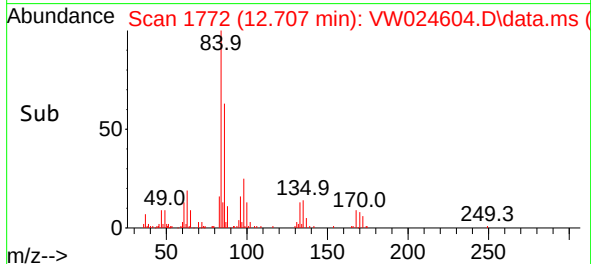
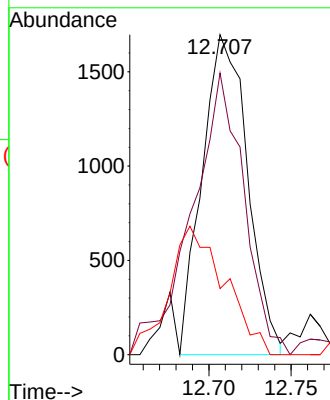
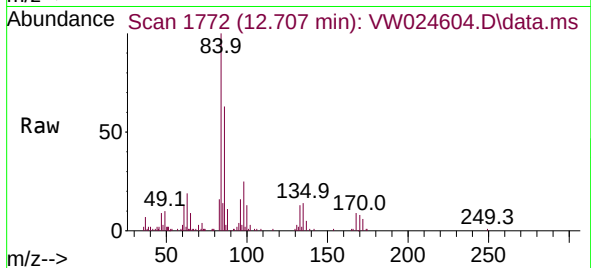
Tgt Ion: 83 Resp: 3262

Ion Ratio Lower Upper

83 100

85 88.0 45.6 84.8#

131 20.6 9.0 13.4#



#59

Bromoform

Concen: 0.821 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

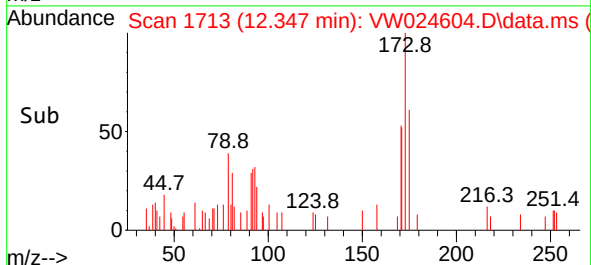
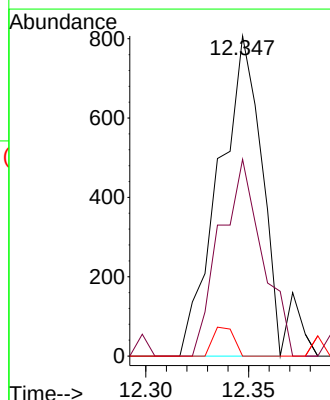
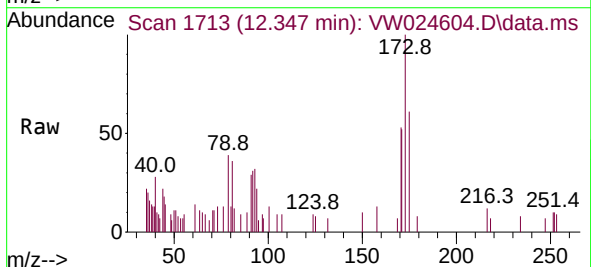
Tgt Ion:173 Resp: 1158

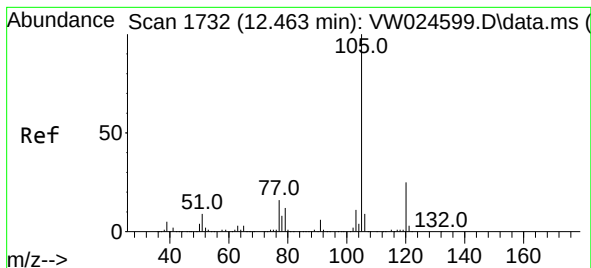
Ion Ratio Lower Upper

173 100

175 61.7 40.5 60.7#

254 4.5 6.4 9.6#





#60

Isopropylbenzene

Concen: 0.700 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

Instrument :

MSVOA\_W

ClientSampleId :

MDL 1. PBB

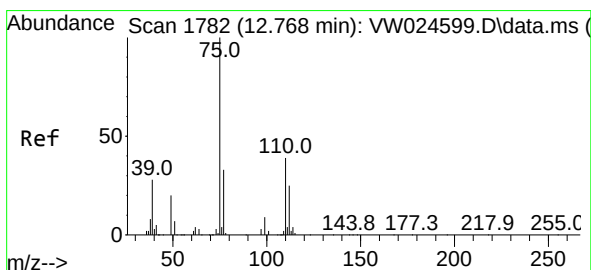
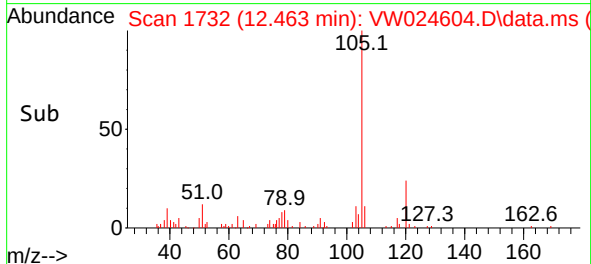
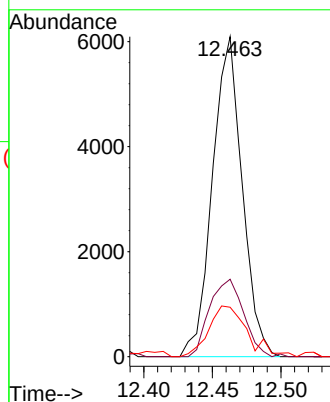
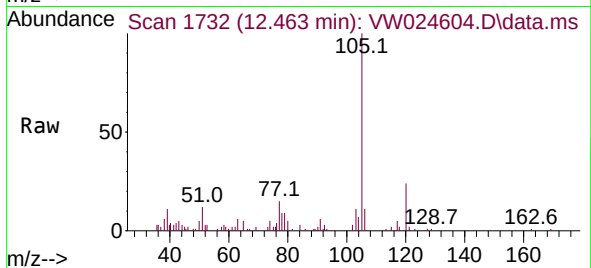
Tgt Ion:105 Resp: 9193

Ion Ratio Lower Upper

105 100

120 27.6 20.9 31.3

77 18.3 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 1.041 ug/L

RT: 12.774 min Scan# 1783

Delta R.T. 0.006 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

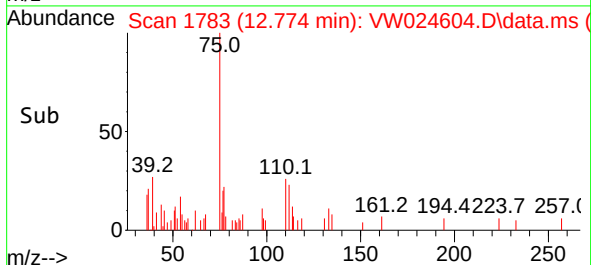
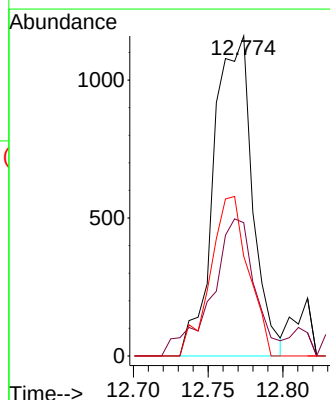
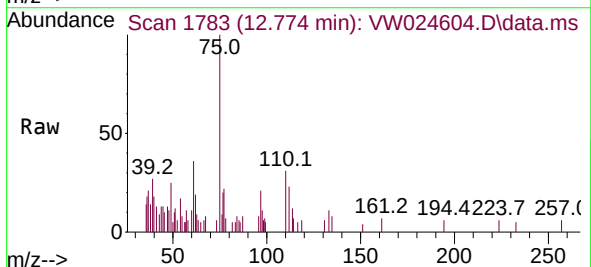
Tgt Ion: 75 Resp: 2090

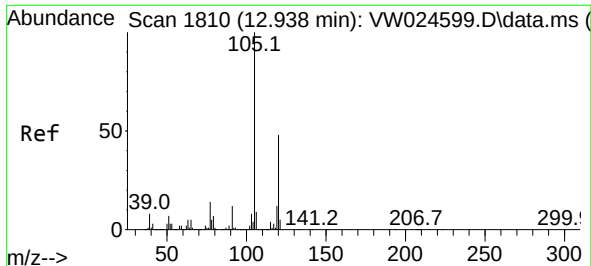
Ion Ratio Lower Upper

75 100

77 47.7 26.8 40.2#

110 48.8 33.8 50.8

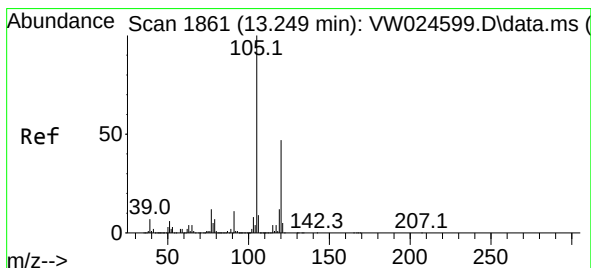
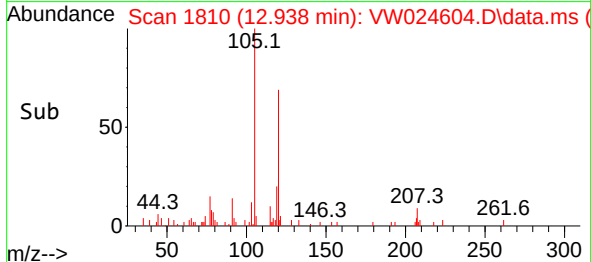
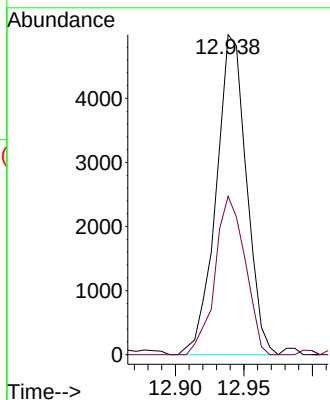
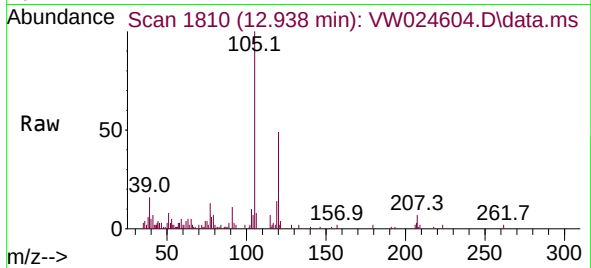




#62  
1,3,5-Trimethylbenzene  
Concen: 0.705 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

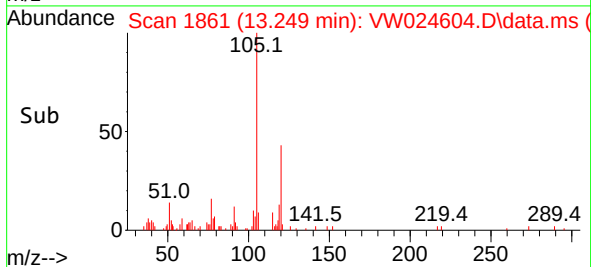
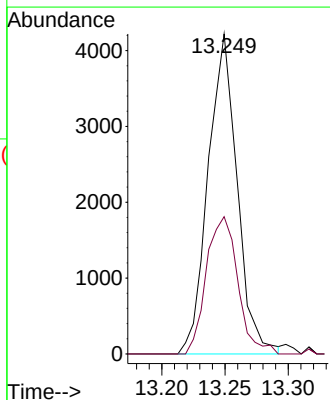
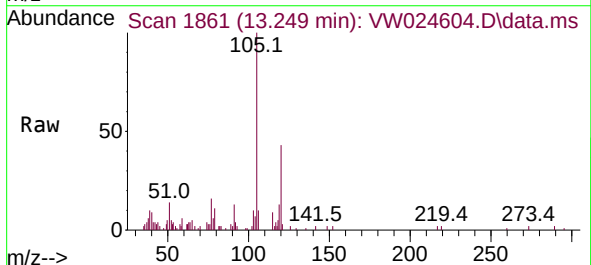
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

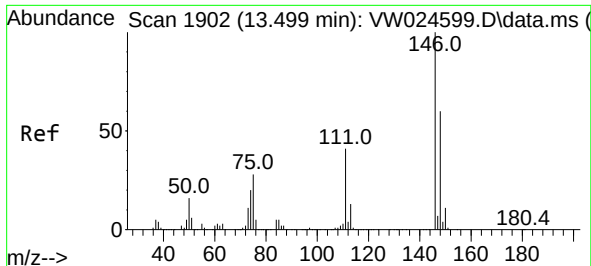
Tgt Ion:105 Resp: 7688  
Ion Ratio Lower Upper  
105 100  
120 49.1 39.5 59.3



#63  
1,2,4-Trimethylbenzene  
Concen: 0.620 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion:105 Resp: 6736  
Ion Ratio Lower Upper  
105 100  
120 46.4 36.7 55.1

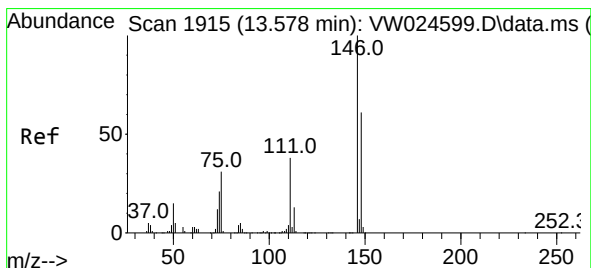
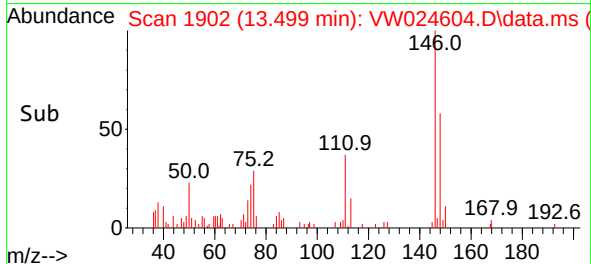
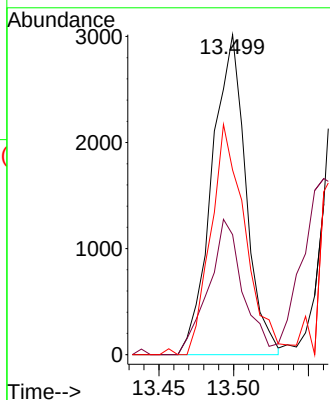
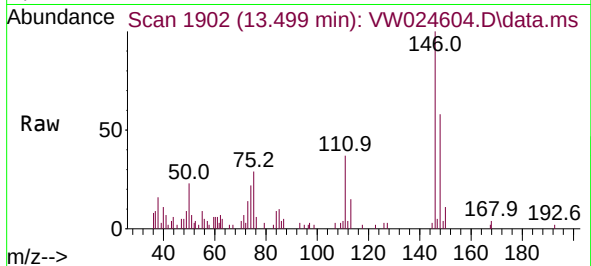




#64  
1,3-Dichlorobenzene  
Concen: 0.803 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

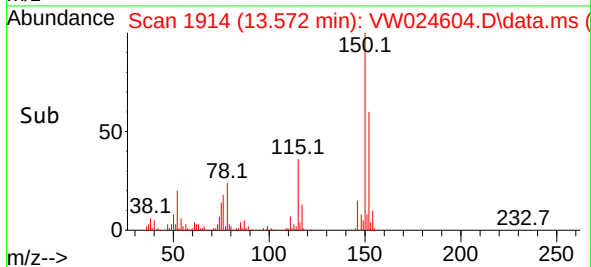
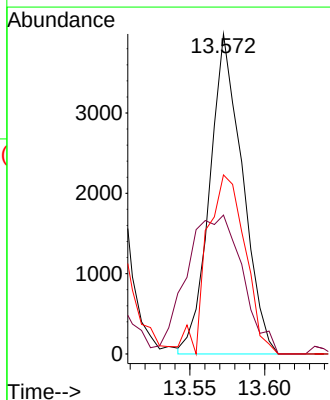
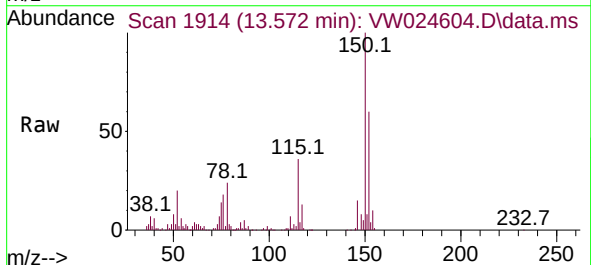
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL 1. PBB

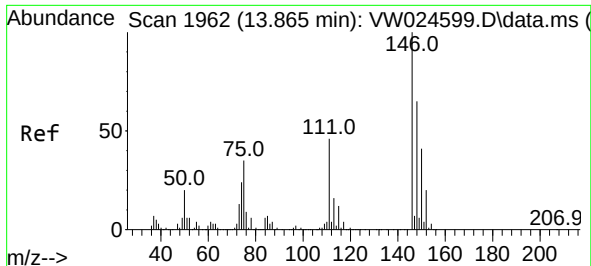
Tgt Ion:146 Resp: 4756  
Ion Ratio Lower Upper  
146 100  
111 37.5 28.3 52.5  
148 57.7 42.2 78.4



#65  
1,4-Dichlorobenzene  
Concen: 0.971 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VW024604.D  
Acq: 12 Sep 2022 13:50

Tgt Ion:146 Resp: 6061  
Ion Ratio Lower Upper  
146 100  
111 43.4 29.3 54.3  
148 55.9 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 1.064 ug/L

RT: 13.871 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

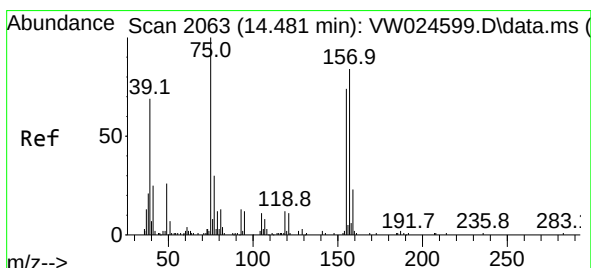
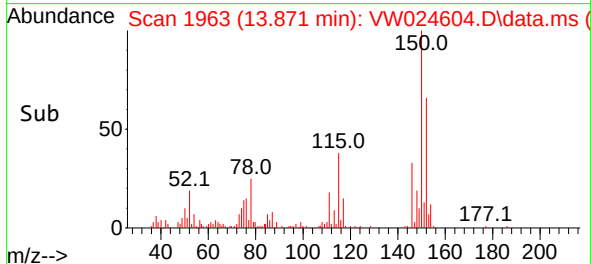
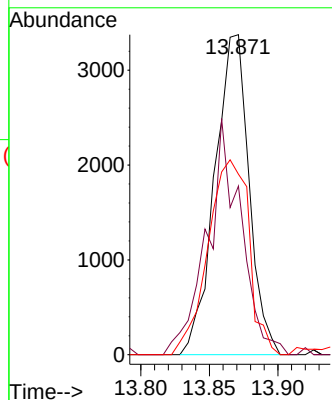
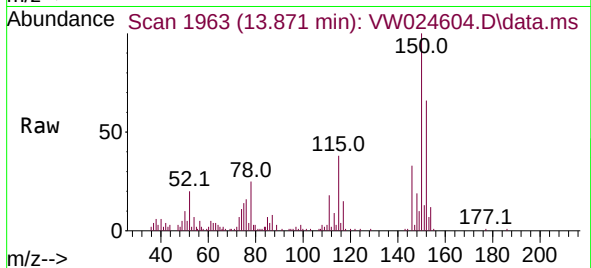
Instrument :

MSVOA\_W

ClientSampleId :

MDL 1. PBB

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 5876  |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 52.7  | 32.2  | 48.4# |
| 148       | 56.4  | 48.3  | 72.5  |



#68

1,2-Dibromo-3-chloropropane

Concen: 2.827 ug/L

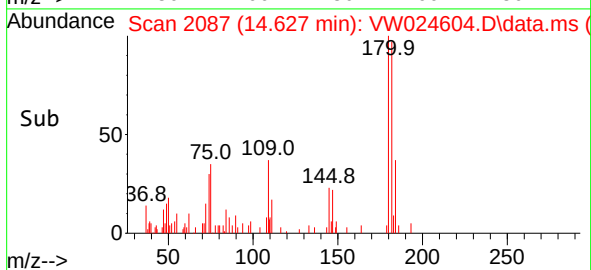
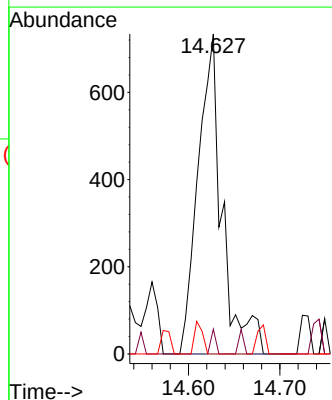
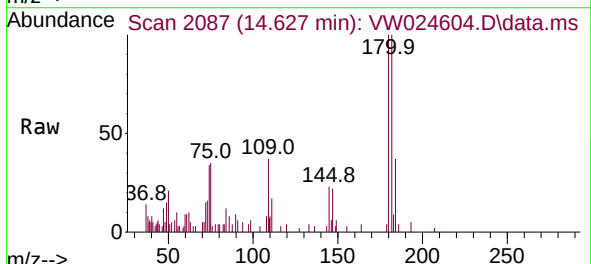
RT: 14.627 min Scan# 2087

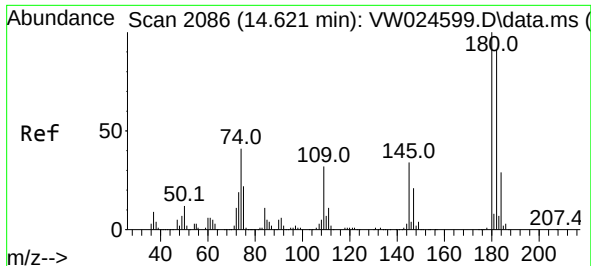
Delta R.T. 0.147 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 1343   |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 155       | 7.8   | 66.3  | 99.5#  |
| 157       | 0.0   | 77.6  | 116.4# |

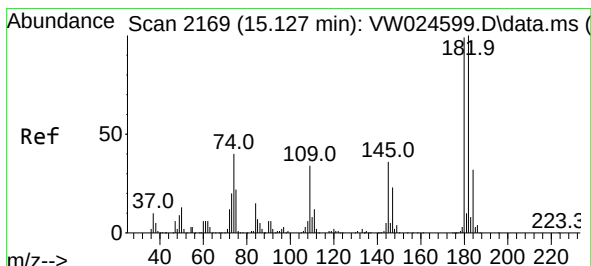
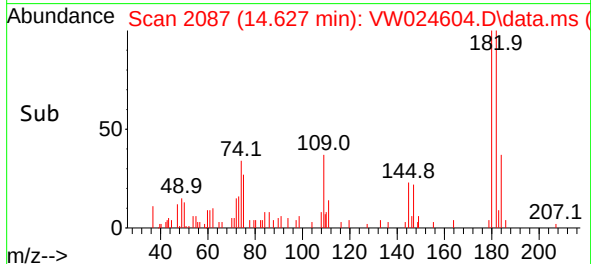
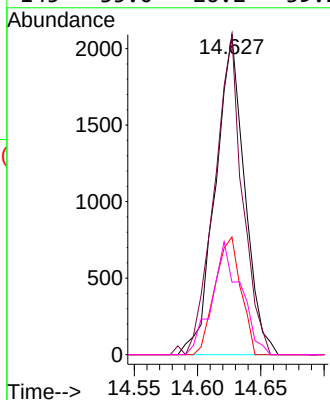
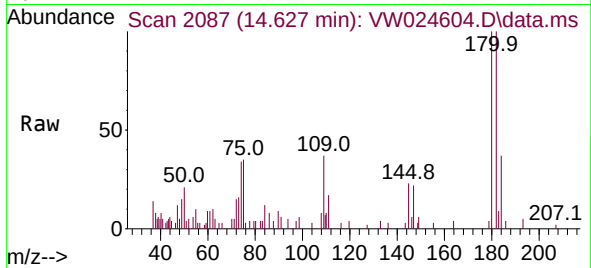




#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.869 ug/L  
 RT: 14.627 min Scan# 2086  
 Delta R.T. 0.006 min  
 Lab File: VW024604.D  
 Acq: 12 Sep 2022 13:50

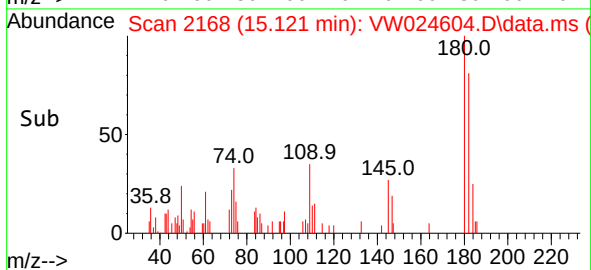
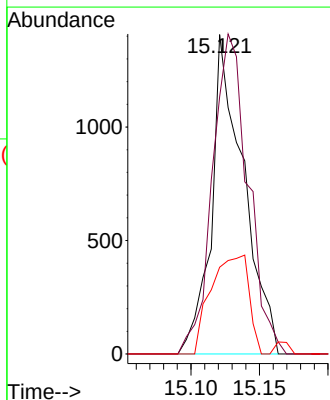
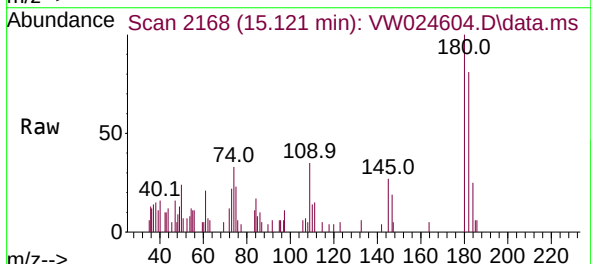
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL 1. PBB

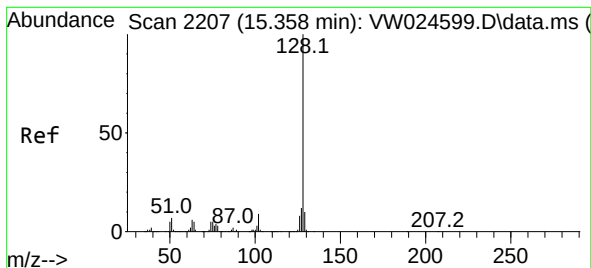
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 3342       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.7  | 72.4 108.6 |
| 184         | 32.6  | 22.8 34.2  |
| 145         | 35.0  | 26.2 39.2  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 0.746 ug/L  
 RT: 15.121 min Scan# 2168  
 Delta R.T. -0.006 min  
 Lab File: VW024604.D  
 Acq: 12 Sep 2022 13:50

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 2277        |
| Ion Ratio   | Lower | Upper       |
| 180         | 100   |             |
| 182         | 111.6 | 73.8 110.6# |
| 145         | 36.8  | 26.6 39.8   |





#71

Naphthalene

Concen: 0.615 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

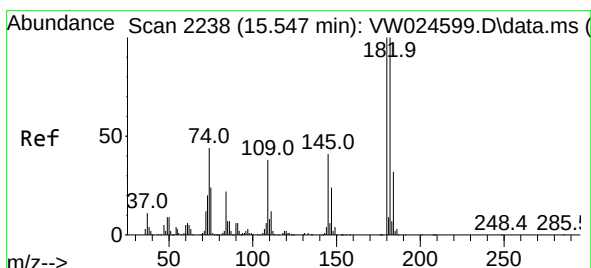
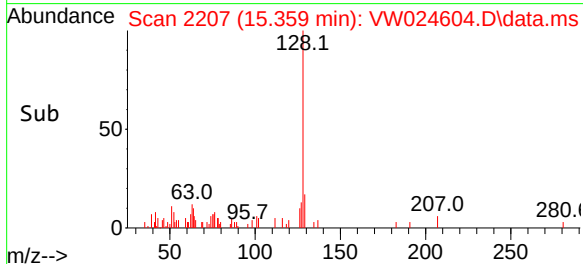
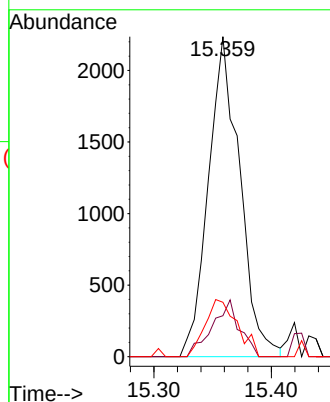
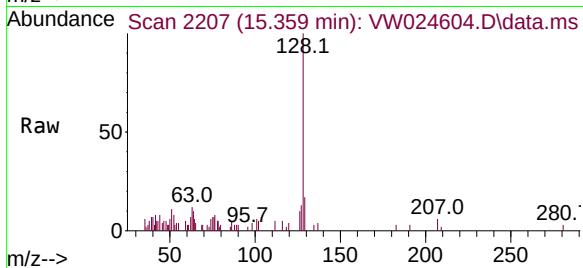
Instrument :

MSVOA\_W

ClientSampleId :

MDL 1. PBB

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 4154  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 15.4  | 10.7  | 16.1  |
| 129      | 18.2  | 8.8   | 13.2# |



#72

1,2,3-Trichlorobenzene

Concen: 0.813 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW024604.D

Acq: 12 Sep 2022 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2307  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 83.4  | 78.7  | 118.1 |
| 145      | 34.4  | 28.1  | 42.1  |

