

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022223\  
 Data File : VW025347.D  
 Acq On : 22 Feb 2023 08:57  
 Operator : SY/MD  
 Sample : VSTD2.525  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5425

Quant Time: Feb 22 20:58:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022223SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 22 20:57:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 385700   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 337848   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 142361   | 25.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65   | 8305     | 2.543  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.899  | 69   | 5935     | 2.504  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 63   | 22530    | 2.658  | ug/L  | -0.01    |
| 21) 2-Butanone-d5             | 7.093  | 46   | 2436     | 3.283  | ug/L  | 0.02     |
| 24) Chloroform-d              | 7.648  | 84   | 19592    | 2.648  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.313  | 65   | 10194    | 2.656  | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 37188    | 2.597  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 10791    | 2.686  | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 34307    | 2.570  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 4602     | 2.514  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 2616     | 4.464  | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 7986     | 2.655  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.854 | 152  | 9210     | 2.547  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85   | 9484     | 2.061  | ug/L  | 99       |
| 3) Chloromethane              | 2.216  | 50   | 10771    | 2.474  | ug/L  | 95       |
| 5) Vinyl chloride             | 2.375  | 62   | 12086    | 2.389  | ug/L  | 88       |
| 6) Bromomethane               | 2.789  | 94   | 7932     | 2.469  | ug/L  | 100      |
| 8) Chloroethane               | 2.936  | 64   | 7729     | 2.611  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101  | 14561    | 2.372  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101  | 6682     | 1.294  | ug/L  | 93       |
| 12) 1,1-Dichloroethene        | 4.045  | 96   | 12386    | 2.492  | ug/L  | 90       |
| 13) Acetone                   | 4.131  | 43   | 6007     | 4.895  | ug/L  | 53       |
| 14) Carbon disulfide          | 4.387  | 76   | 40418    | 2.493  | ug/L  | 97       |
| 15) Methyl Acetate            | 4.789  | 43   | 138      | 0.071  | ug/L  | 98       |
| 16) Methylene chloride        | 4.923  | 84   | 18095    | 3.318  | ug/L  | 95       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96   | 13134    | 2.521  | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 5.417  | 73   | 18200    | 2.473  | ug/L  | # 80     |
| 19) 1,1-Dichloroethane        | 6.222  | 63   | 24092    | 2.573  | ug/L  | 94       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 13699    | 2.502  | ug/L  | 88       |
| 22) 2-Butanone                | 7.179  | 43   | 6737     | 4.780  | ug/L  | 97       |
| 23) Bromochloromethane        | 7.514  | 128  | 5621     | 2.406  | ug/L  | 93       |
| 25) Chloroform                | 7.679  | 83   | 24599    | 2.553  | ug/L  | 92       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 16586    | 2.552  | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 19938    | 2.344  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 21887    | 2.501  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 20489    | 2.487  | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 52730    | 2.553  | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 14557    | 2.523  | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 24884    | 2.461  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 12617    | 2.525  | ug/L  | # 97     |
| 38) Bromodichloromethane      | 9.648  | 83   | 17069    | 2.518  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 19600    | 2.397  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 11915    | 4.687  | ug/L  | 95       |
| 42) Toluene                   | 10.392 | 91   | 55248    | 2.484  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 16179    | 2.354  | ug/L  | 95       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5425

Quant Time: Feb 22 20:58:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022223SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 22 20:57:11 2023  
 Response via : Initial Calibration

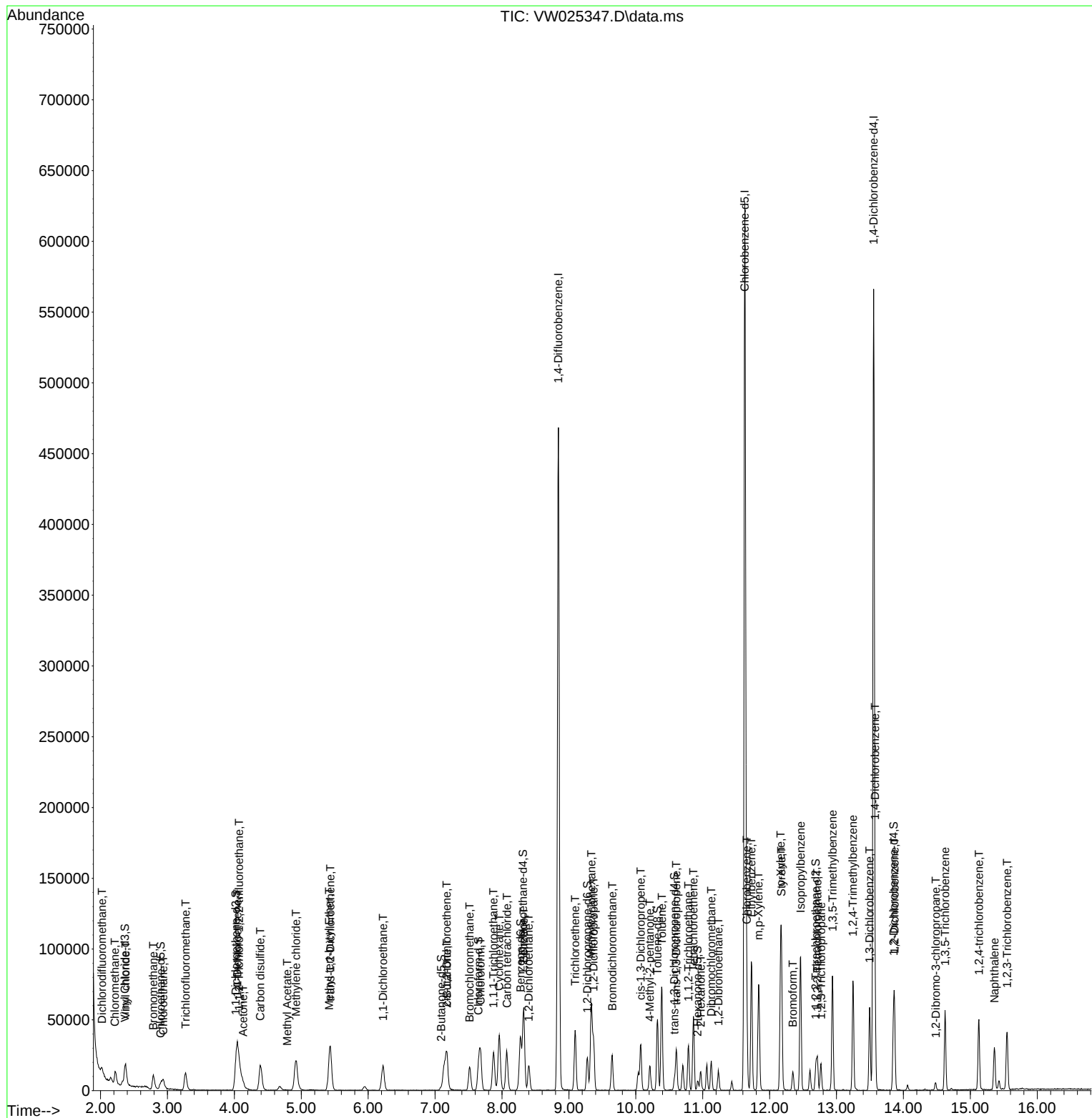
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 9463     | 2.539 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 11243    | 2.581 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.971 | 43   | 8392     | 4.423 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 10690    | 2.483 | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 8934     | 2.500 | ug/L   | 86       |
| 51) Chlorobenzene             | 11.660 | 112  | 36930    | 2.586 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 63545    | 2.466 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 23894    | 2.440 | ug/L   | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 21672    | 2.394 | ug/L   | 98       |
| 55) Styrene                   | 12.178 | 104  | 37127    | 2.412 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 11075    | 2.603 | ug/L   | 96       |
| 59) Bromoform                 | 12.349 | 173  | 5606     | 2.630 | ug/L # | 95       |
| 60) Isopropylbenzene          | 12.464 | 105  | 61037    | 2.621 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 7380     | 2.617 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 43206    | 2.311 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 41527    | 2.346 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 22513    | 2.473 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 23241    | 2.546 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 20303    | 2.432 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 1741     | 2.671 | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 15812    | 2.537 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 15097    | 2.792 | ug/L   | 100      |
| 71) Naphthalene               | 15.360 | 128  | 25625    | 2.464 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 12772    | 2.781 | ug/L   | 97       |
| -----                         |        |      |          |       |        |          |

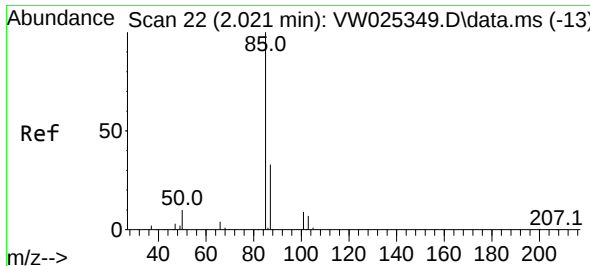
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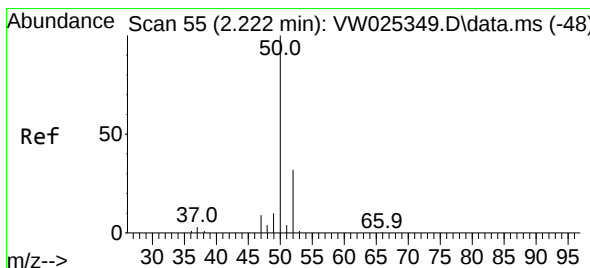
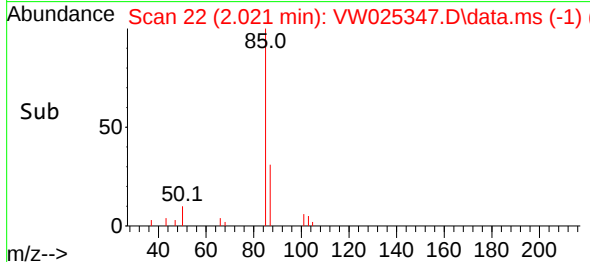
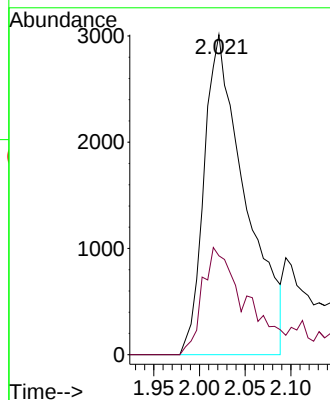
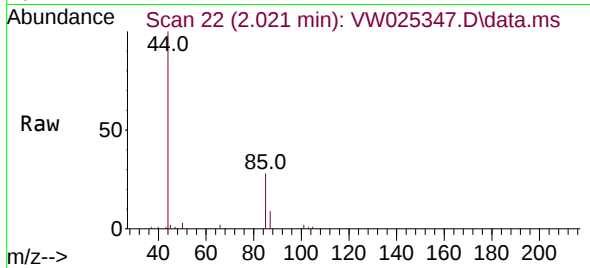




#2  
 Dichlorodifluoromethane  
 Concen: 2.061 ug/L  
 RT: 2.021 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

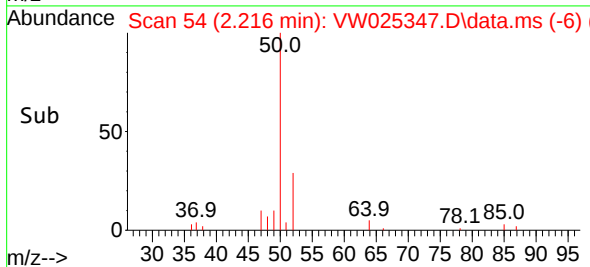
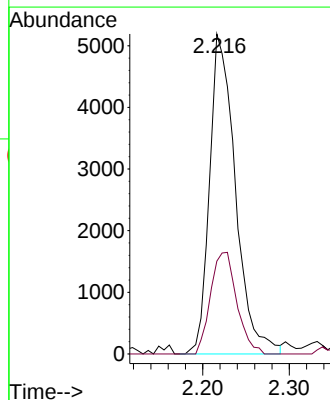
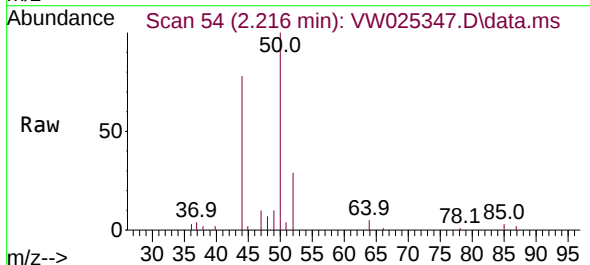
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5425

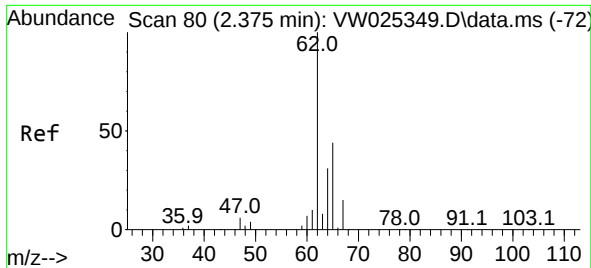
Tgt Ion: 85 Resp: 9484  
 Ion Ratio Lower Upper  
 85 100  
 87 25.2 20.6 30.8



#3  
 Chloromethane  
 Concen: 2.474 ug/L  
 RT: 2.216 min Scan# 54  
 Delta R.T. -0.006 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

Tgt Ion: 50 Resp: 10771  
 Ion Ratio Lower Upper  
 50 100  
 52 29.0 22.3 41.3

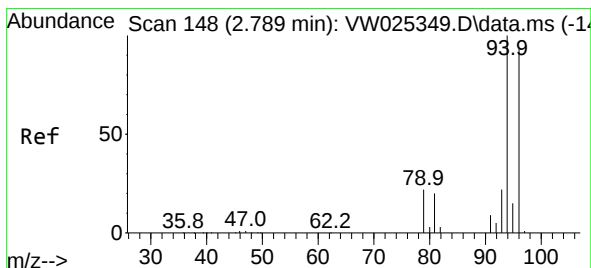
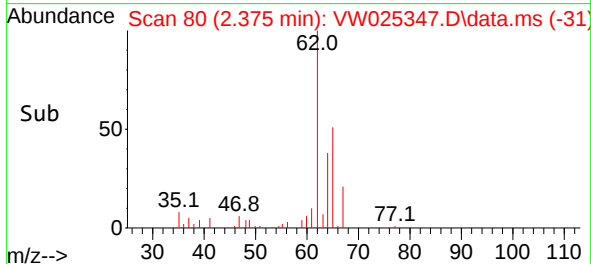
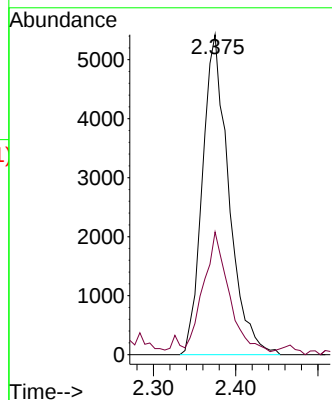
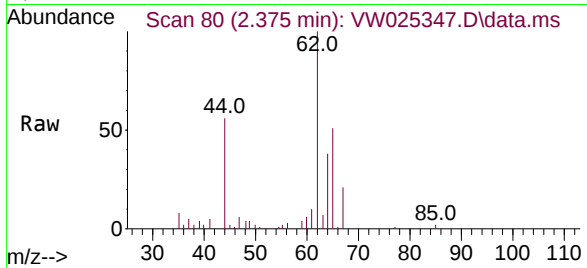




#5  
 Vinyl chloride  
 Concen: 2.389 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

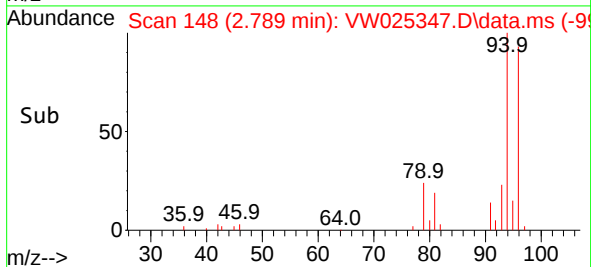
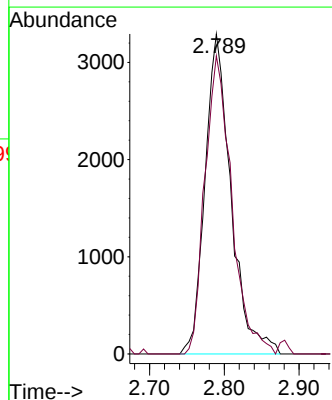
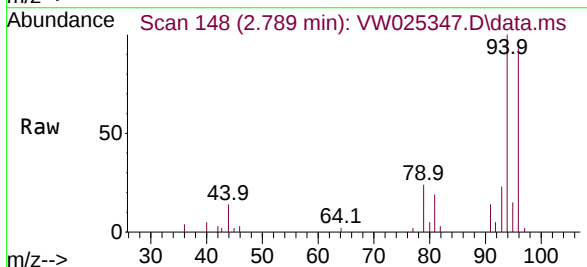
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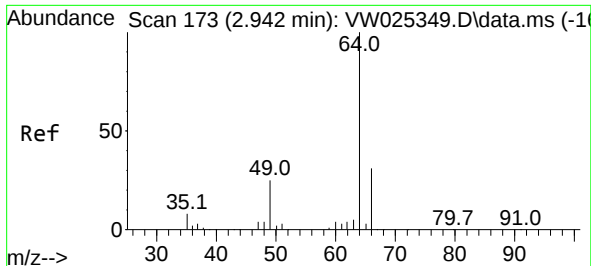
Tgt Ion: 62 Resp: 12086  
 Ion Ratio Lower Upper  
 62 100  
 64 38.4 22.2 41.2



#6  
 Bromomethane  
 Concen: 2.469 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

Tgt Ion: 94 Resp: 7932  
 Ion Ratio Lower Upper  
 94 100  
 96 93.2 65.2 121.0

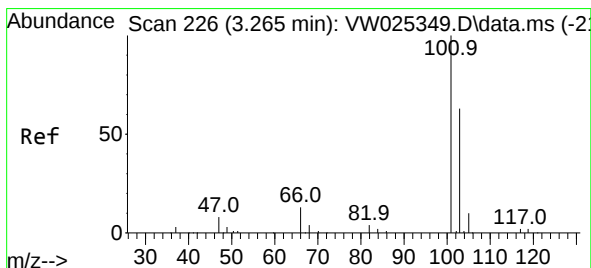
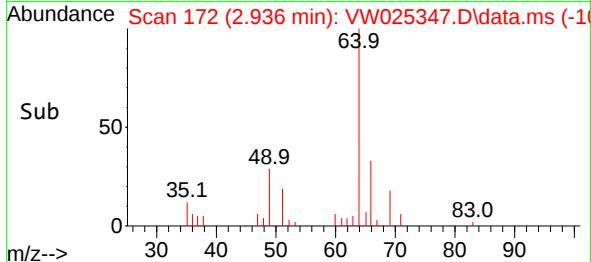
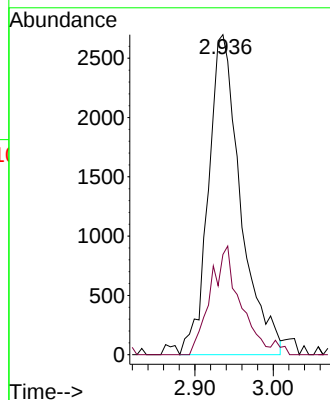
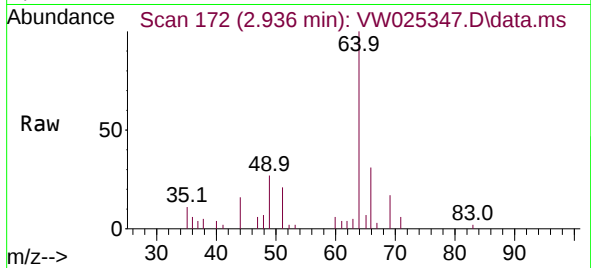




#8  
Chloroethane  
Concen: 2.611 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

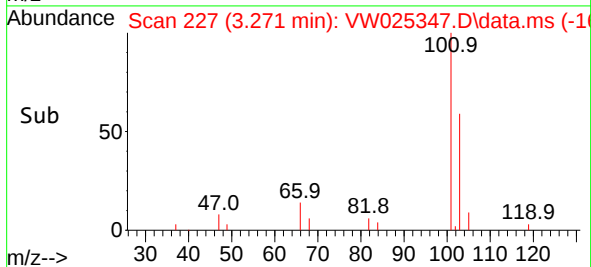
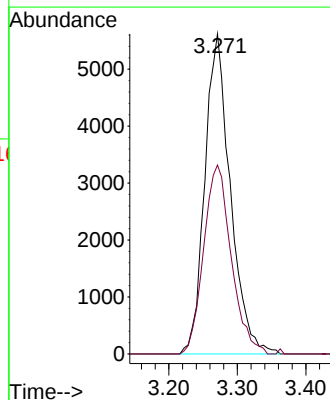
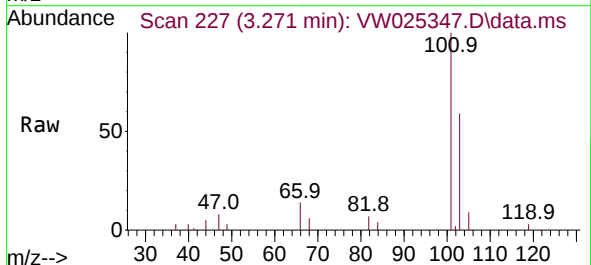
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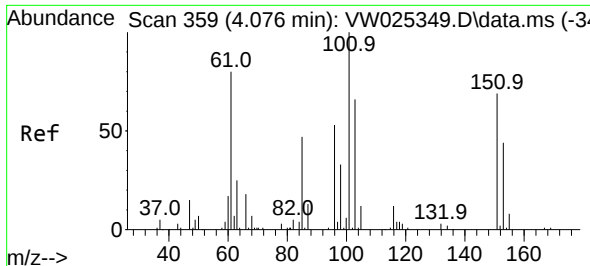
Tgt Ion: 64 Resp: 7729  
Ion Ratio Lower Upper  
64 100  
66 31.3 21.6 40.0



#9  
Trichlorofluoromethane  
Concen: 2.372 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. 0.006 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

Tgt Ion: 101 Resp: 14561  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.4 77.0

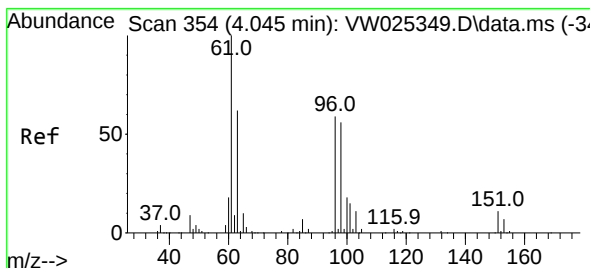
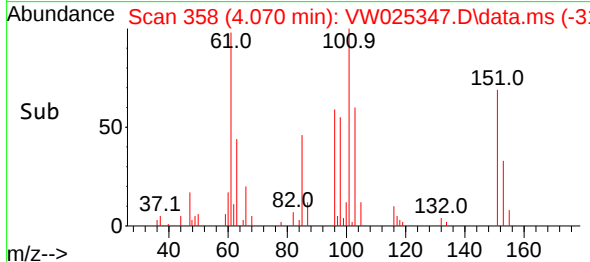
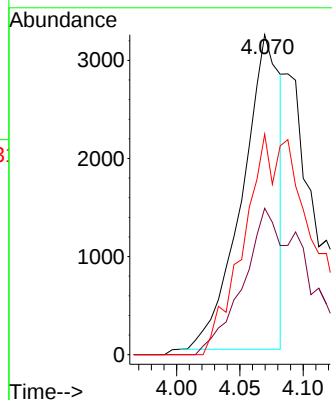
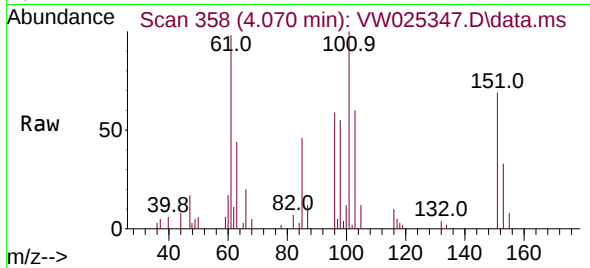




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.294 ug/L  
 RT: 4.070 min Scan# 359  
 Delta R.T. -0.006 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

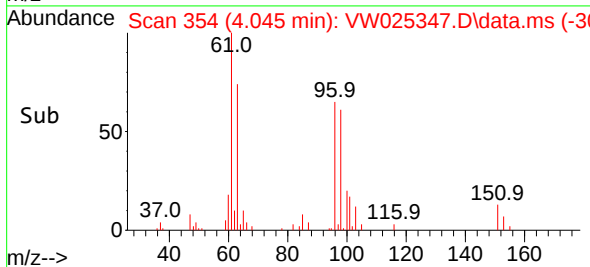
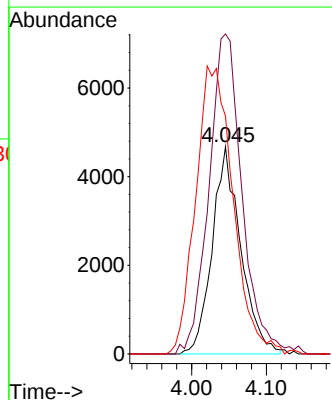
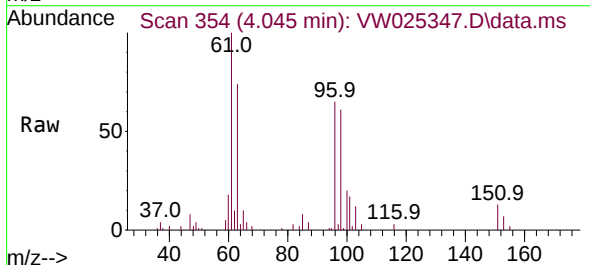
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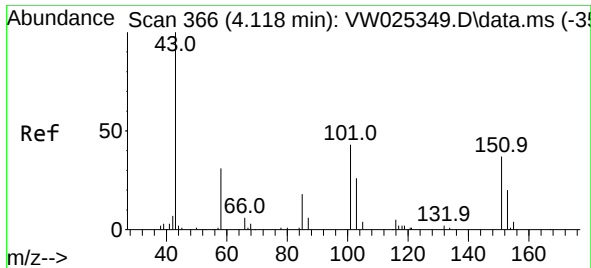
Tgt Ion:101 Resp: 6682  
 Ion Ratio Lower Upper  
 101 100  
 85 44.5 36.3 54.5  
 151 56.2 52.2 78.4



#12  
 1,1-Dichloroethene  
 Concen: 2.492 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

Tgt Ion: 96 Resp: 12386  
 Ion Ratio Lower Upper  
 96 100  
 61 154.5 119.3 221.5  
 63 114.8 74.5 138.5





#13

Acetone

Concen: 4.895 ug/L

RT: 4.131 min Scan# 3

Delta R.T. 0.012 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

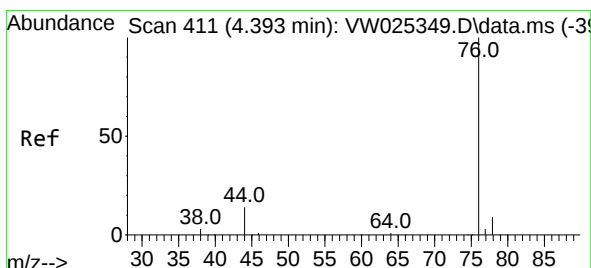
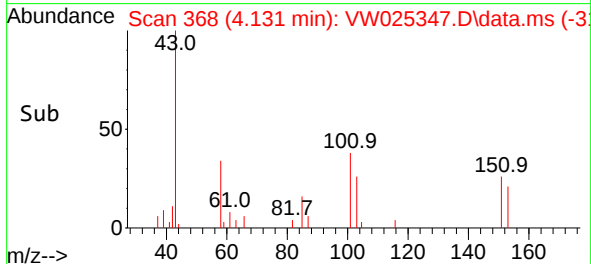
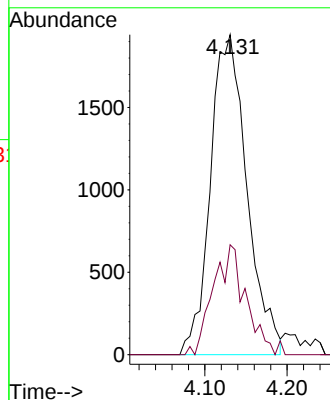
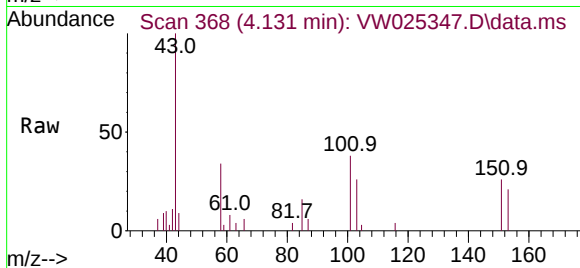
VSTD2.5425

Tgt Ion: 43 Resp: 6007

Ion Ratio Lower Upper

43 100

58 4.8 0.0 61.6



#14

Carbon disulfide

Concen: 2.493 ug/L

RT: 4.387 min Scan# 410

Delta R.T. -0.006 min

Lab File: VW025347.D

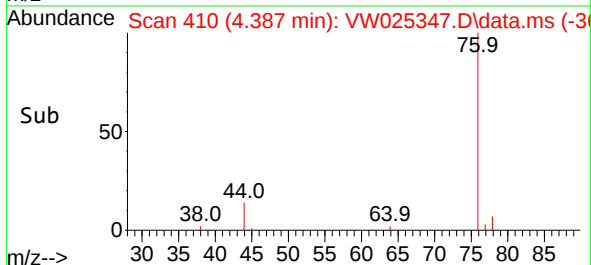
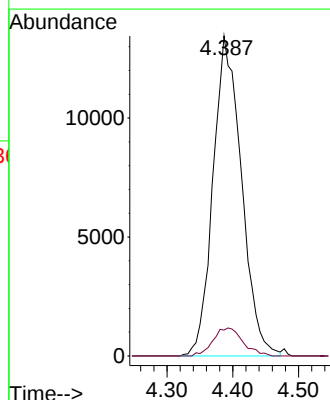
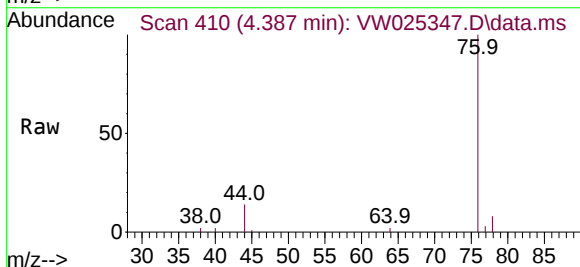
Acq: 22 Feb 2023 08:57

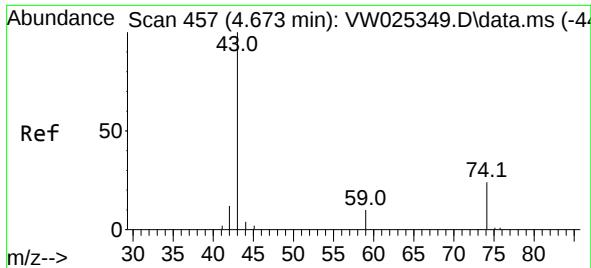
Tgt Ion: 76 Resp: 40418

Ion Ratio Lower Upper

76 100

78 8.1 7.2 10.8

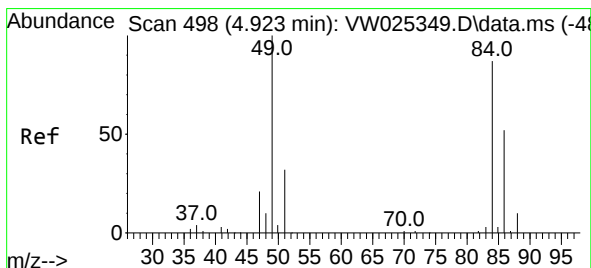
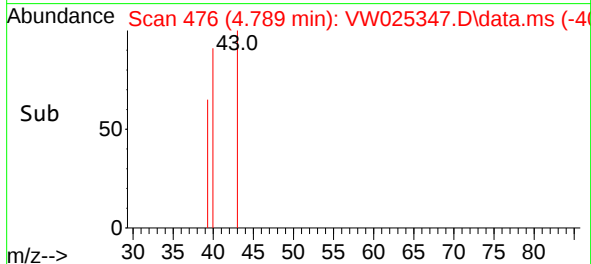
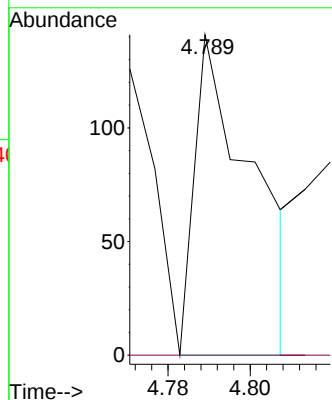
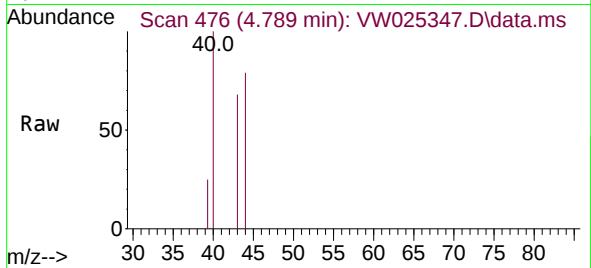




#15  
Methyl Acetate  
Concen: 0.071 ug/L  
RT: 4.789 min Scan# 41  
Delta R.T. 0.116 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

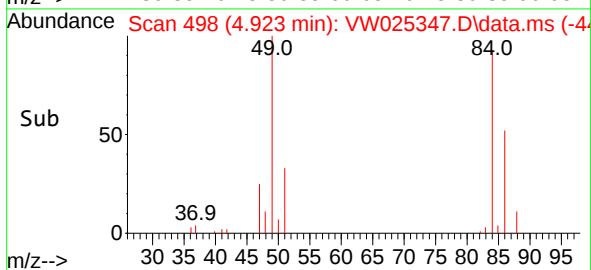
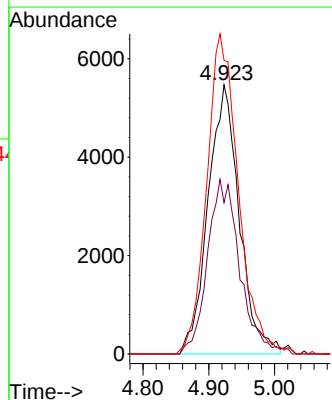
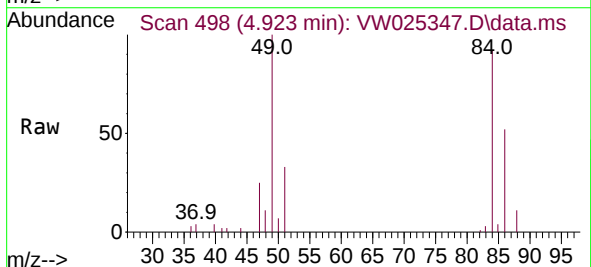
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

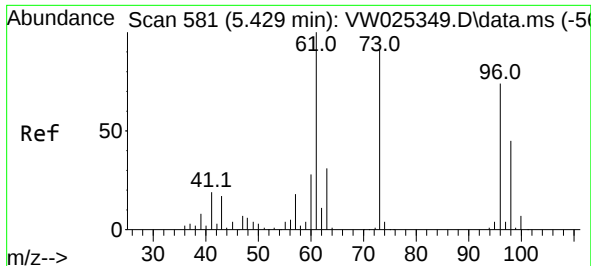
Tgt Ion: 43 Resp: 138  
Ion Ratio Lower Upper  
43 100  
74 26.1 20.2 30.4



#16  
Methylene chloride  
Concen: 3.318 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

Tgt Ion: 84 Resp: 18095  
Ion Ratio Lower Upper  
84 100  
86 56.3 41.8 77.6  
49 109.1 80.3 149.1

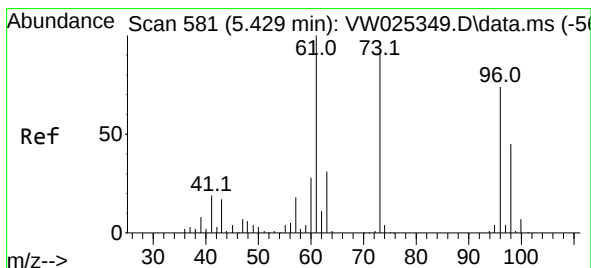
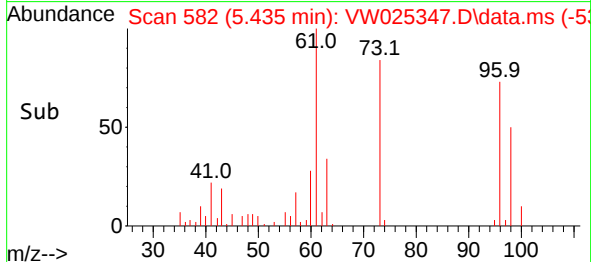
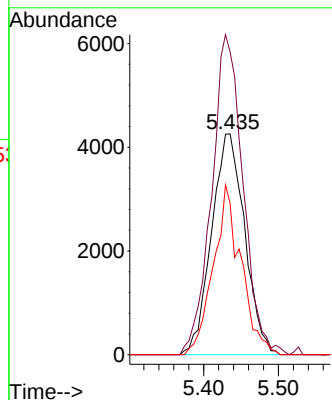
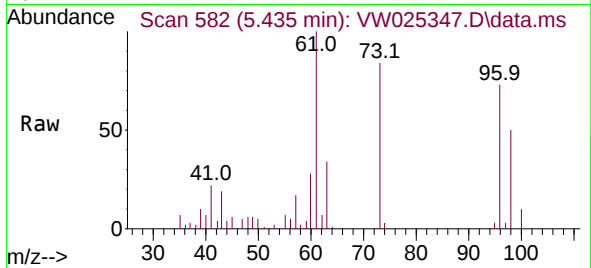




#17  
trans-1,2-Dichloroethene  
Concen: 2.521 ug/L  
RT: 5.435 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

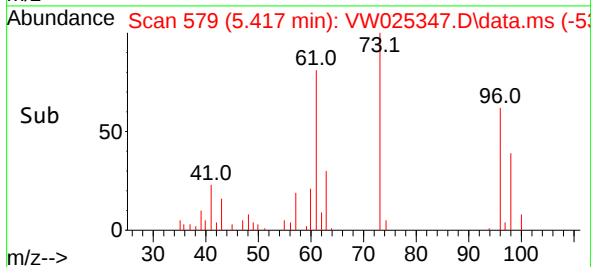
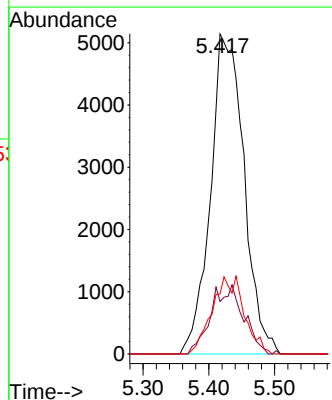
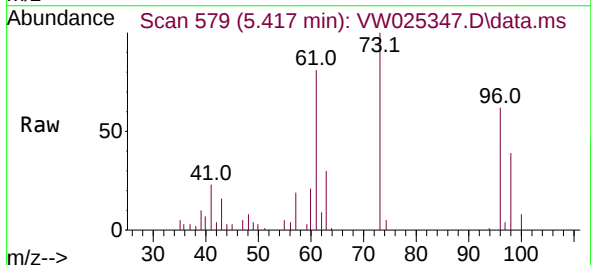
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

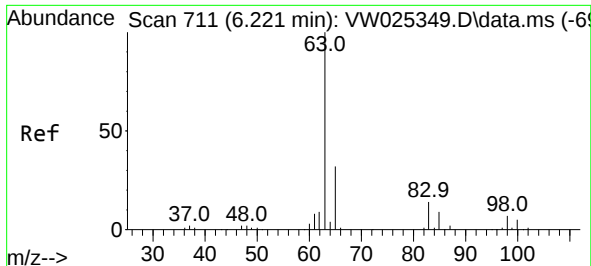
Tgt Ion: 96 Resp: 13134  
Ion Ratio Lower Upper  
96 100  
61 137.1 94.8 176.0  
98 68.5 42.4 78.6



#18  
Methyl tert-butyl Ether  
Concen: 2.473 ug/L  
RT: 5.417 min Scan# 579  
Delta R.T. -0.012 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

Tgt Ion: 73 Resp: 18200  
Ion Ratio Lower Upper  
73 100  
43 8.0 16.1 24.1#  
57 14.7 16.6 25.0#





#19

1,1-Dichloroethane

Concen: 2.573 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5425

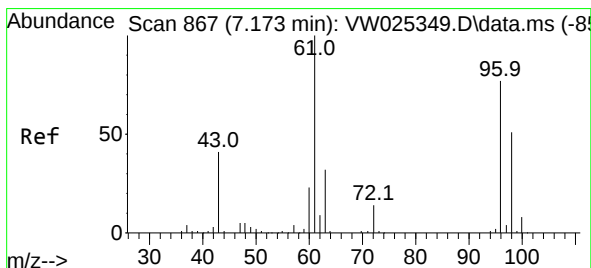
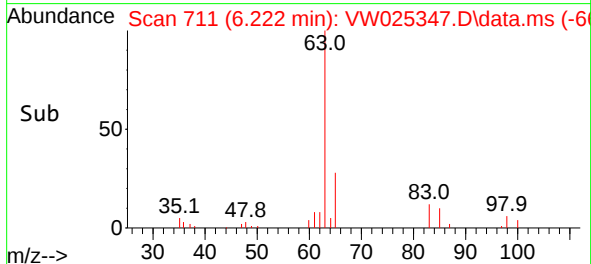
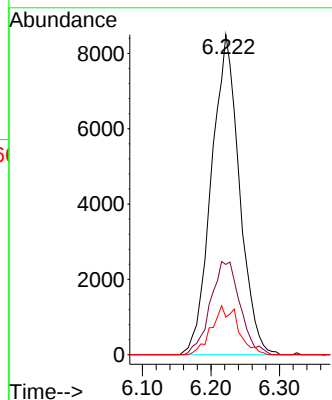
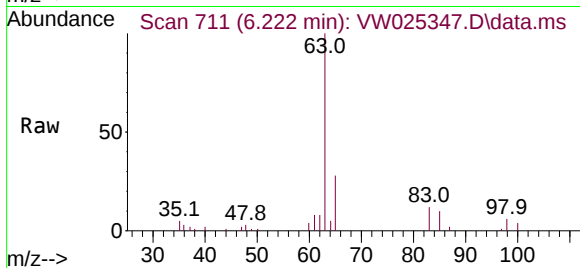
Tgt Ion: 63 Resp: 24092

Ion Ratio Lower Upper

63 100

65 28.2 22.1 41.1

83 11.7 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 2.502 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

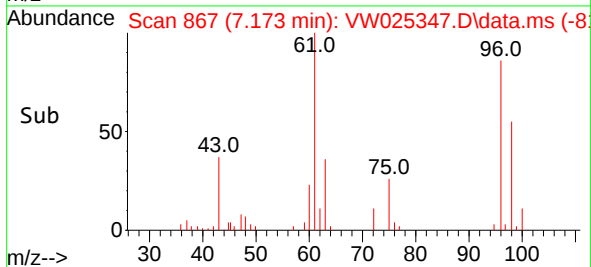
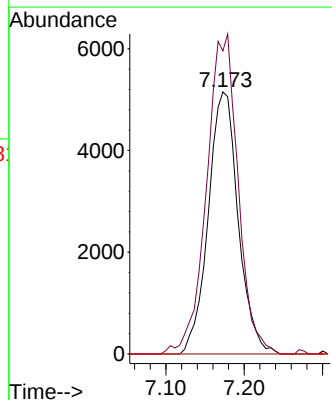
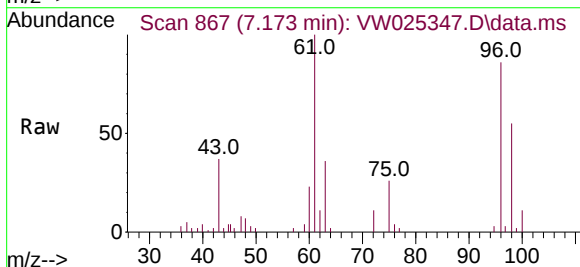
Tgt Ion: 96 Resp: 13699

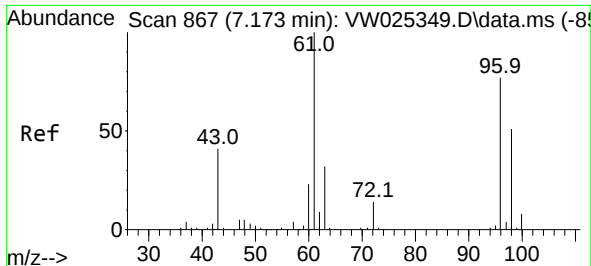
Ion Ratio Lower Upper

96 100

61 115.7 90.9 168.9

68 0.0 0.0 0.0

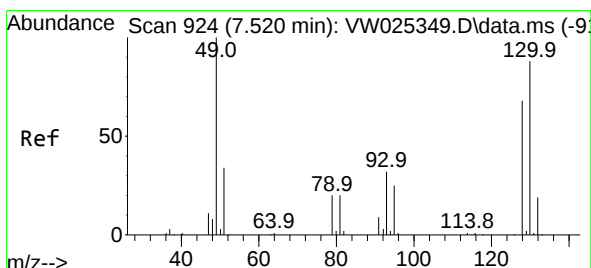
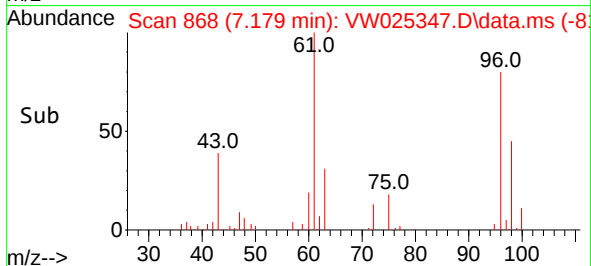
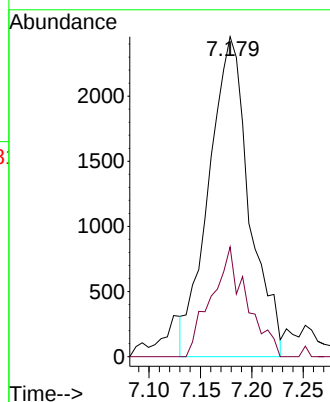
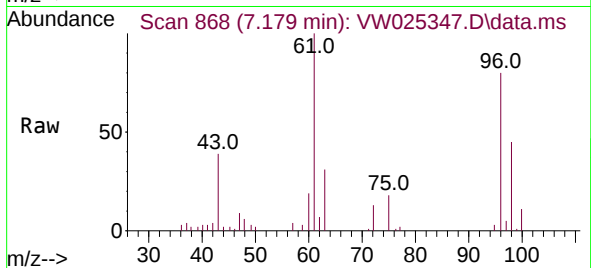




#22  
2-Butanone  
Concen: 4.780 ug/L  
RT: 7.179 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

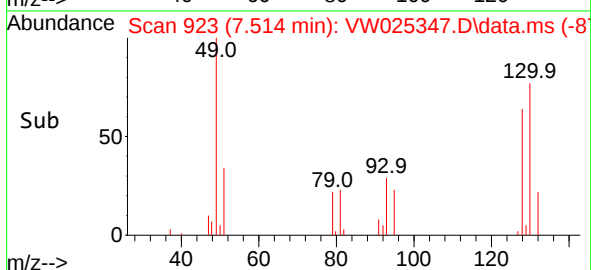
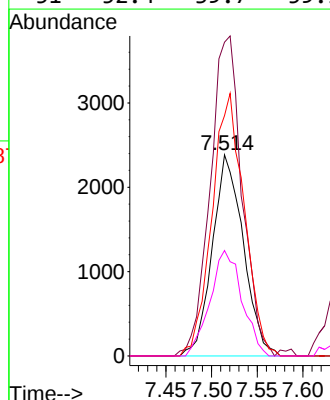
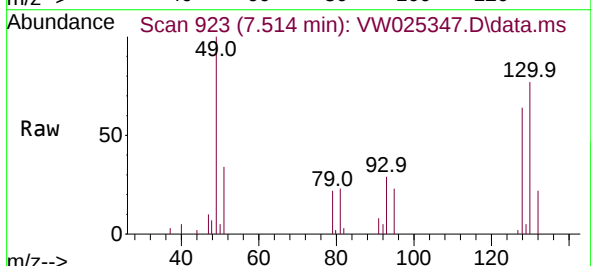
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

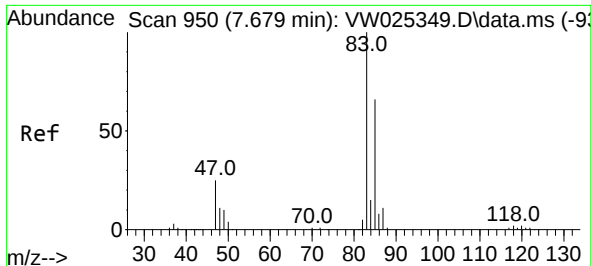
Tgt Ion: 43 Resp: 6737  
Ion Ratio Lower Upper  
43 100  
72 28.3 15.0 45.1



#23  
Bromochloromethane  
Concen: 2.406 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.006 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

Tgt Ion: 128 Resp: 5621  
Ion Ratio Lower Upper  
128 100  
49 156.1 102.4 190.2  
130 119.5 90.1 167.3  
51 52.4 39.7 59.5





#25

Chloroform

Concen: 2.553 ug/L

RT: 7.679 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

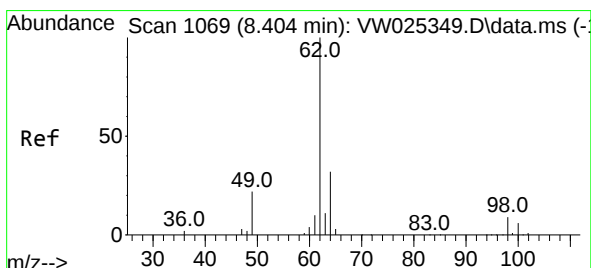
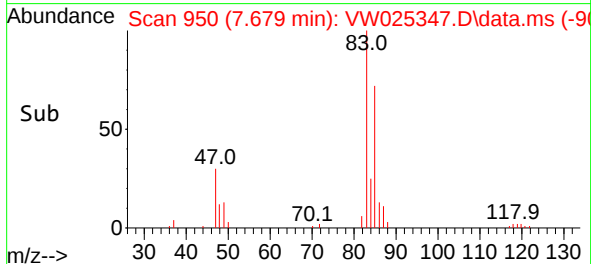
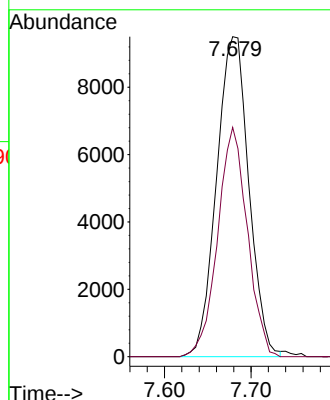
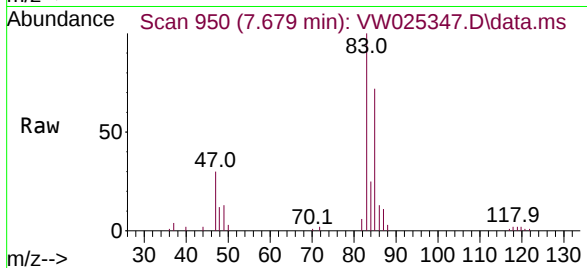
VSTD2.5425

Tgt Ion: 83 Resp: 24599

Ion Ratio Lower Upper

83 100

85 71.6 45.9 85.3



#27

1,2-Dichloroethane

Concen: 2.552 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VW025347.D

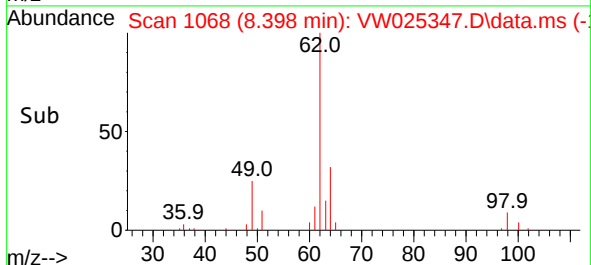
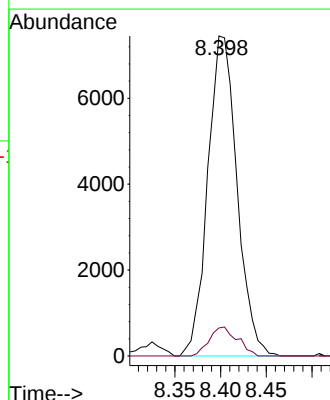
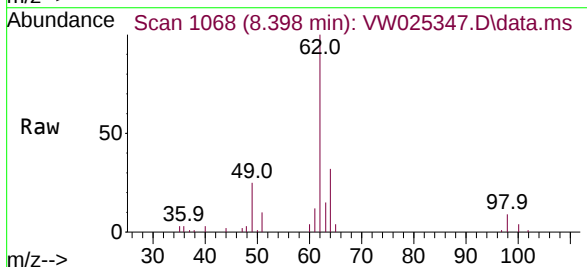
Acq: 22 Feb 2023 08:57

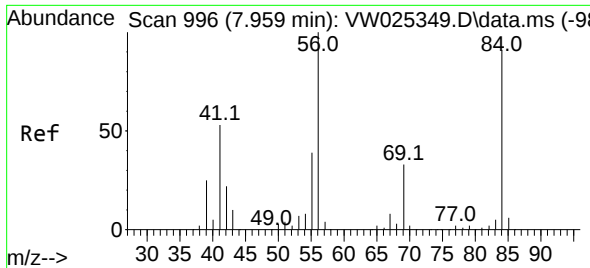
Tgt Ion: 62 Resp: 16586

Ion Ratio Lower Upper

62 100

98 8.8 7.4 11.0

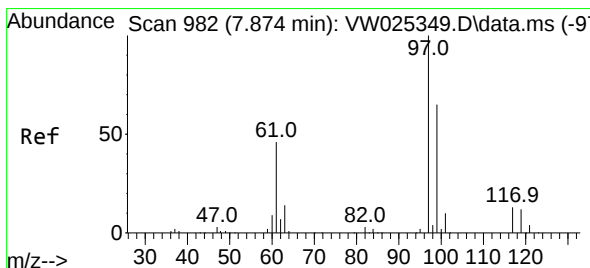
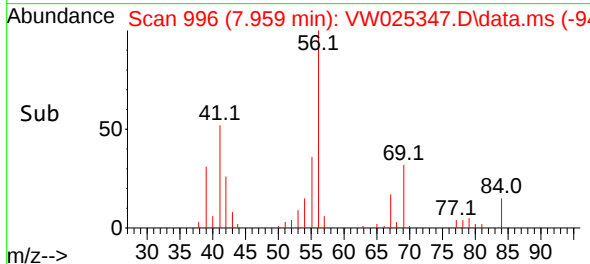
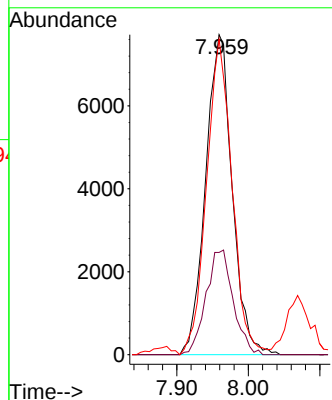
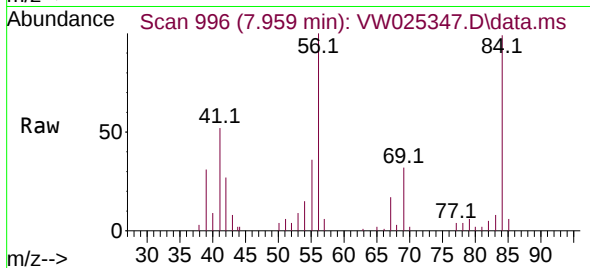




#29  
Cyclohexane  
Concen: 2.344 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

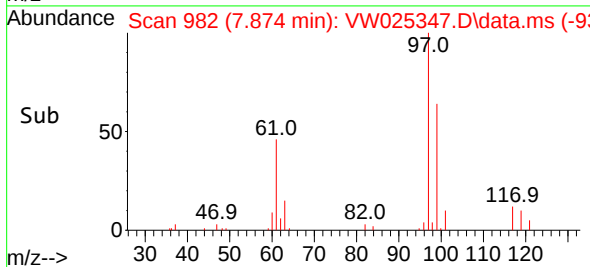
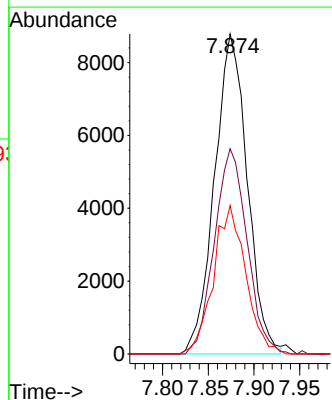
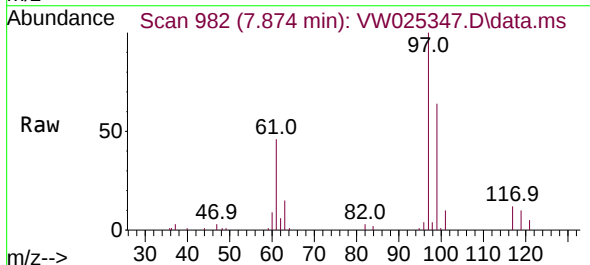
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

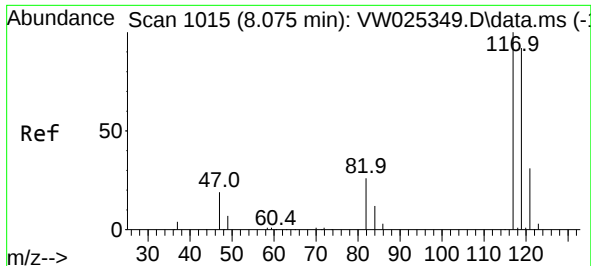
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 19938 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 33.4  | 25.9  | 38.9  |
| 84       | 94.5  | 74.6  | 111.8 |



#30  
1,1,1-Trichloroethane  
Concen: 2.501 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 21887 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.9  | 51.6  | 77.4  |
| 61       | 45.7  | 35.1  | 52.7  |

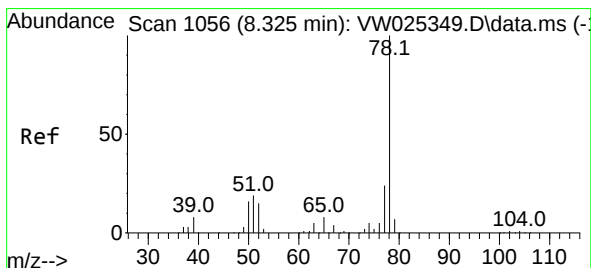
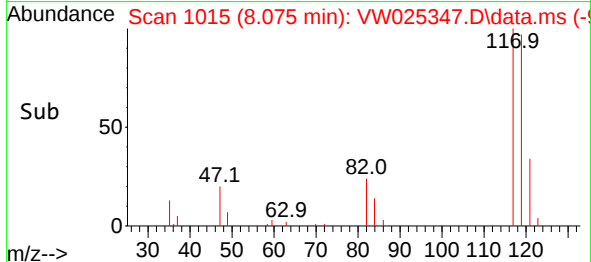
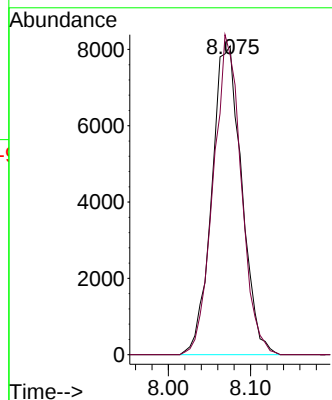
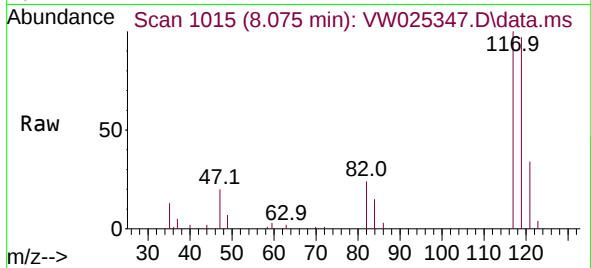




#31  
Carbon tetrachloride  
Concen: 2.487 ug/L  
RT: 8.075 min Scan# 1015  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

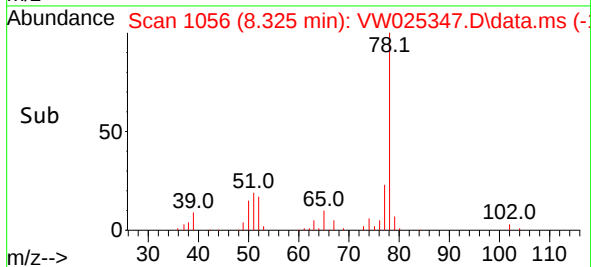
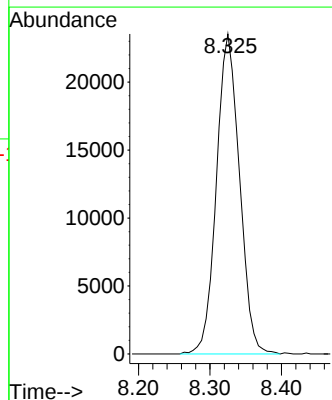
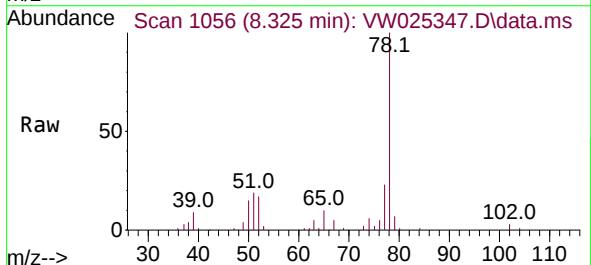
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

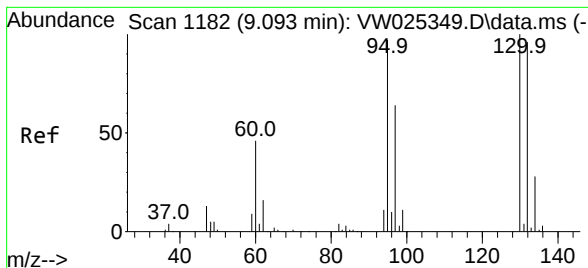
Tgt Ion:117 Resp: 20489  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.3 114.5



#33  
Benzene  
Concen: 2.553 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

Tgt Ion: 78 Resp: 52730





#34

Trichloroethene

Concen: 2.523 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5425

Tgt Ion: 95 Resp: 14557

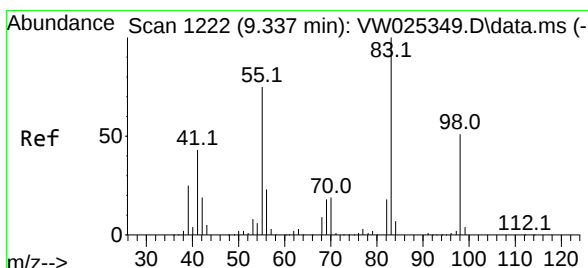
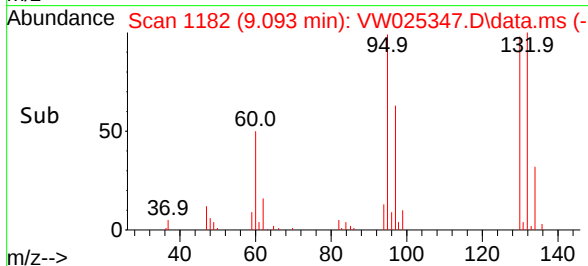
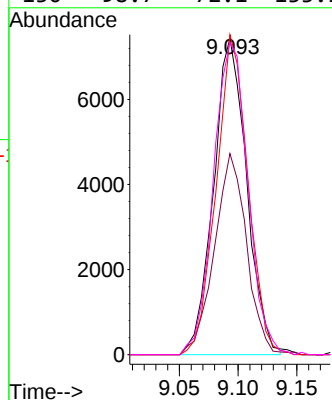
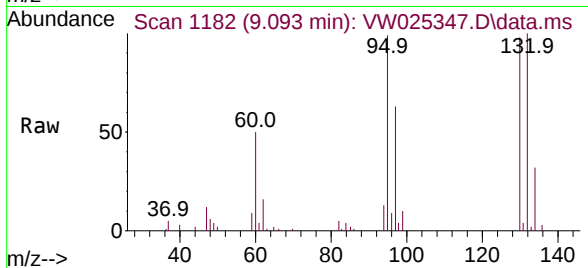
Ion Ratio Lower Upper

95 100

97 63.5 46.3 85.9

132 101.1 69.3 128.7

130 98.7 72.1 133.9



#35

Methylcyclohexane

Concen: 2.461 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

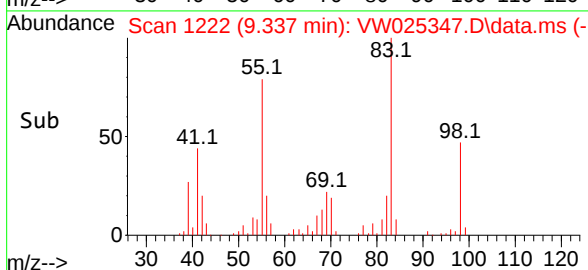
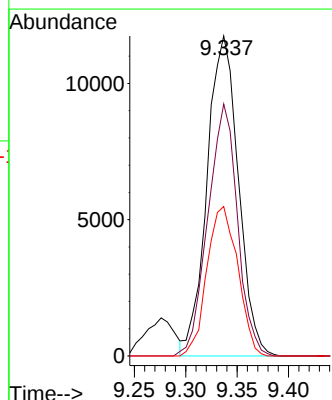
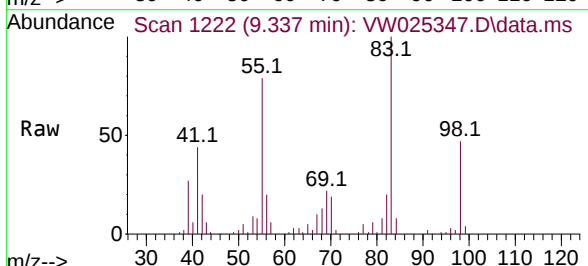
Tgt Ion: 83 Resp: 24884

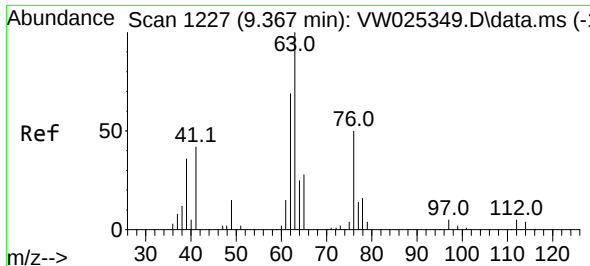
Ion Ratio Lower Upper

83 100

55 74.2 58.4 87.6

98 46.0 39.1 58.7





#37

1,2-Dichloropropane

Concen: 2.525 ug/L

RT: 9.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

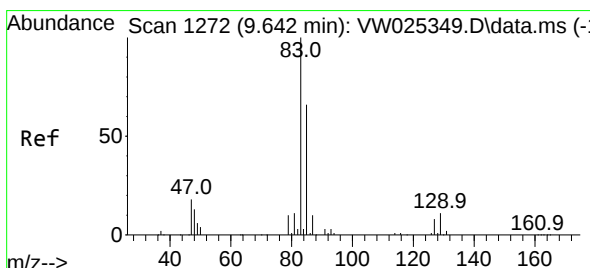
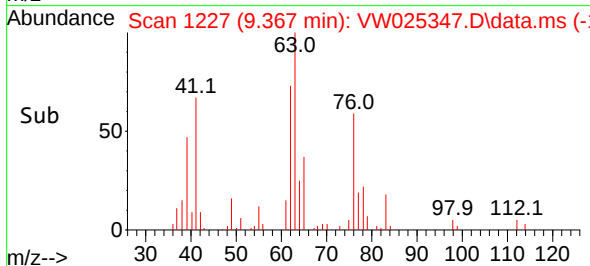
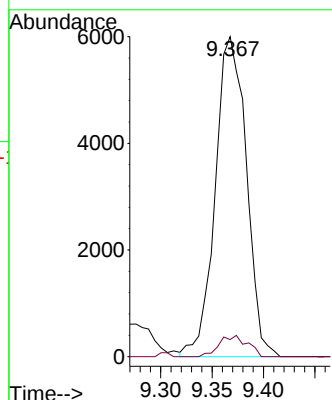
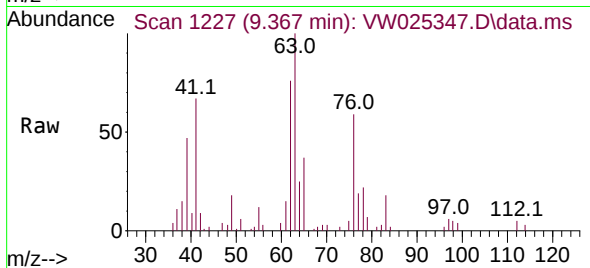
VSTD2.5425

Tgt Ion: 63 Resp: 12617

Ion Ratio Lower Upper

63 100

112 6.0 3.9 5.9#



#38

Bromodichloromethane

Concen: 2.518 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

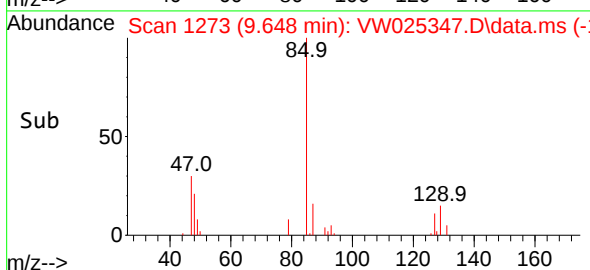
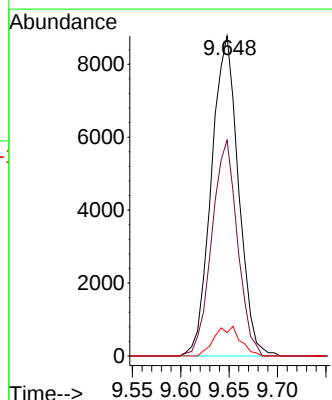
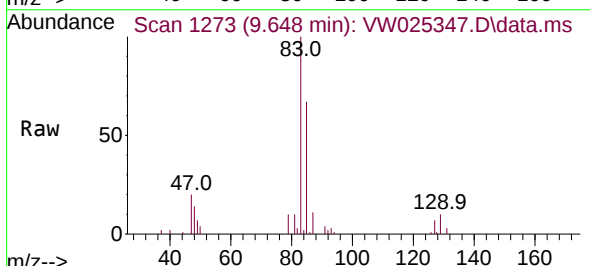
Tgt Ion: 83 Resp: 17069

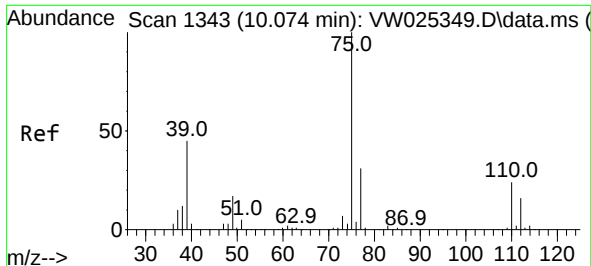
Ion Ratio Lower Upper

83 100

85 67.4 46.0 85.4

127 8.7 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 2.397 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

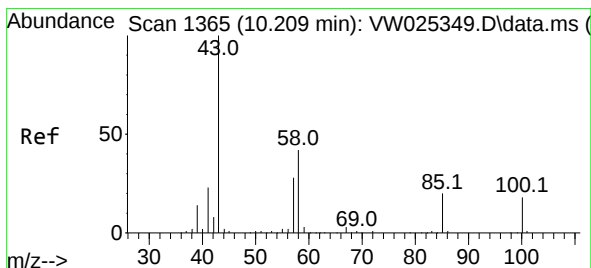
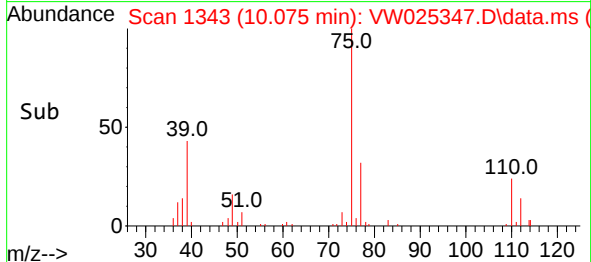
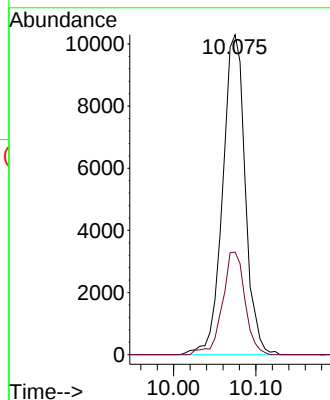
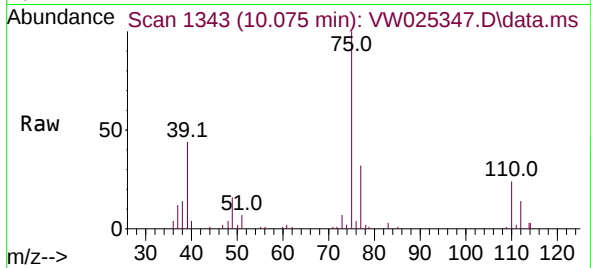
VSTD2.5425

Tgt Ion: 75 Resp: 19600

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 4.687 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

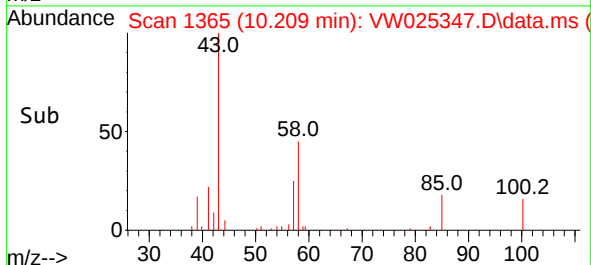
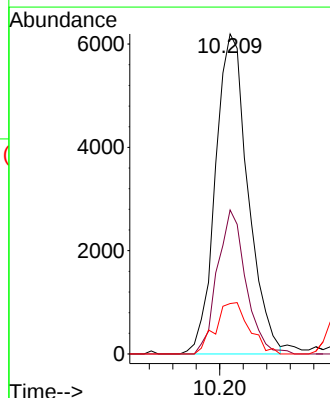
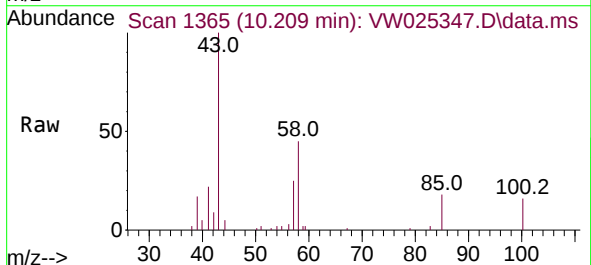
Tgt Ion: 43 Resp: 11915

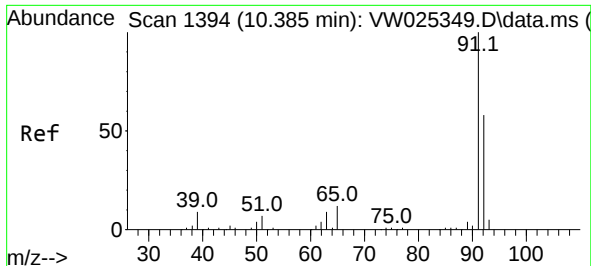
Ion Ratio Lower Upper

43 100

58 39.2 33.9 50.9

100 16.7 14.8 22.2





#42

Toluene

Concen: 2.484 ug/L

RT: 10.392 min Scan# 1395

Delta R.T. 0.006 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

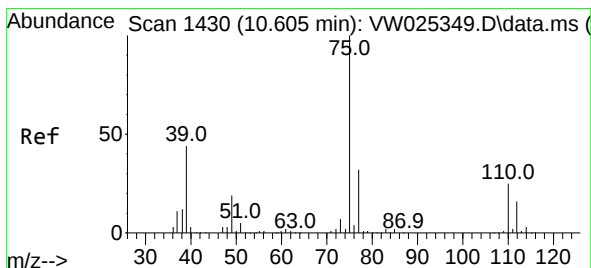
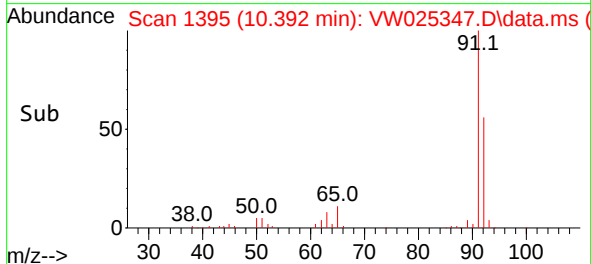
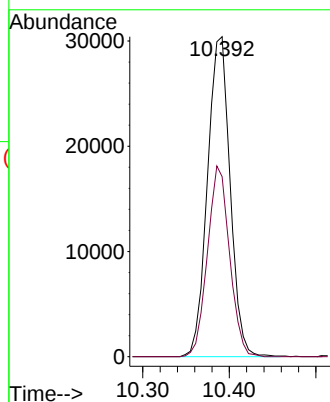
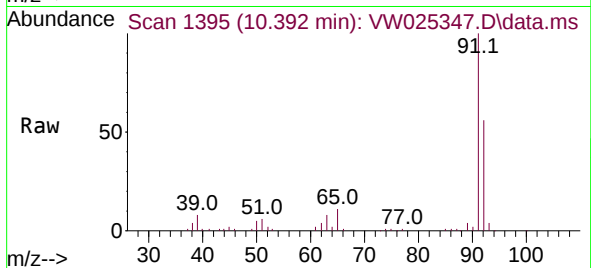
VSTD2.5425

Tgt Ion: 91 Resp: 55248

Ion Ratio Lower Upper

91 100

92 56.3 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 2.354 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW025347.D

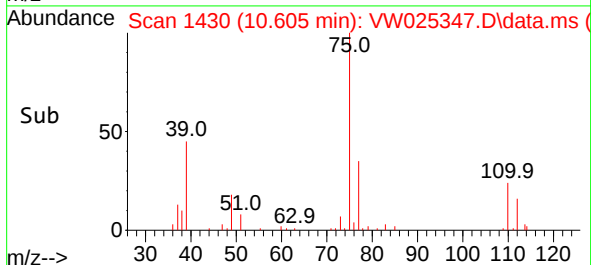
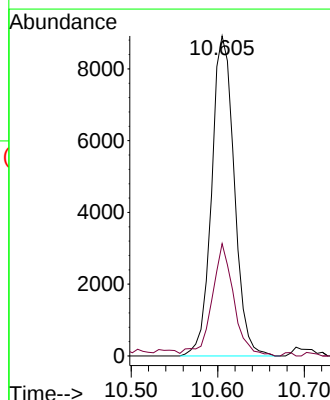
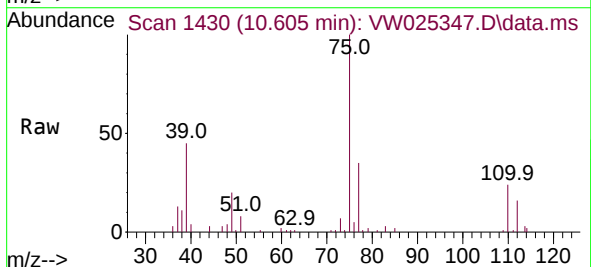
Acq: 22 Feb 2023 08:57

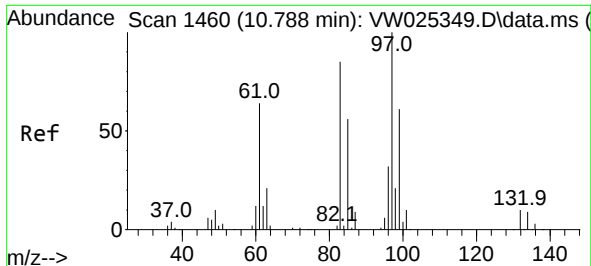
Tgt Ion: 75 Resp: 16179

Ion Ratio Lower Upper

75 100

77 35.1 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 2.539 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5425

Tgt Ion: 97 Resp: 9463

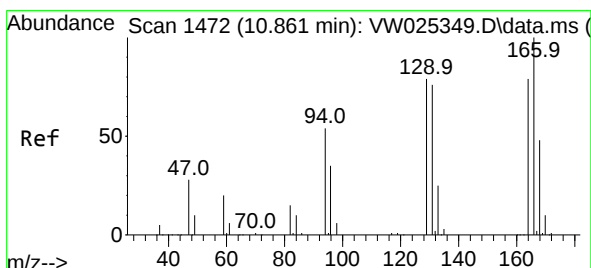
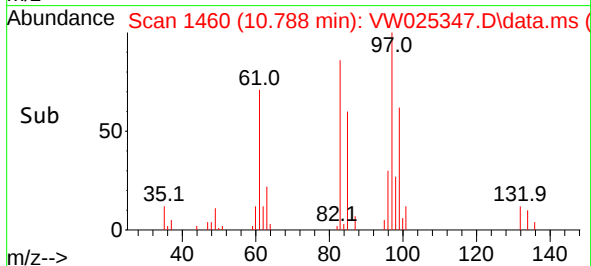
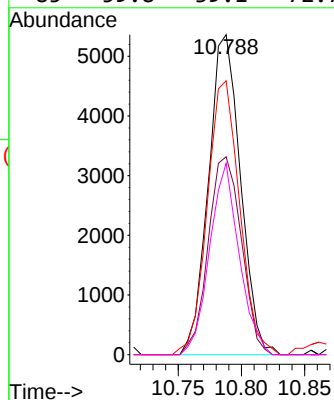
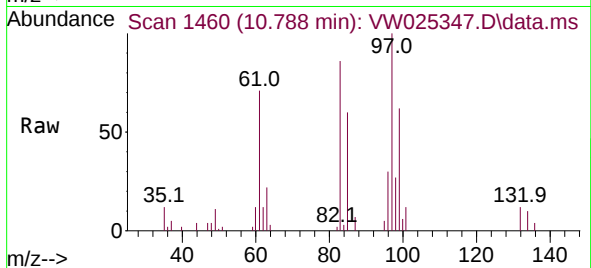
Ion Ratio Lower Upper

97 100

99 61.8 42.6 79.0

83 85.6 59.3 110.1

85 59.8 39.1 72.7



#46

Tetrachloroethene

Concen: 2.581 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Tgt Ion:164 Resp: 11243

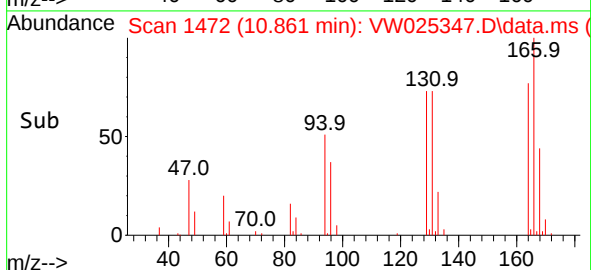
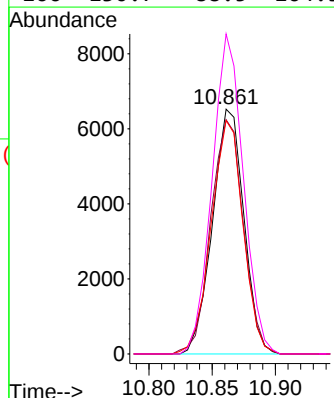
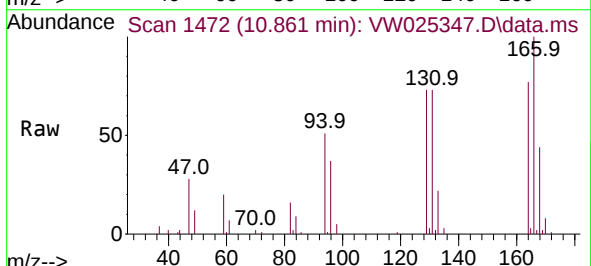
Ion Ratio Lower Upper

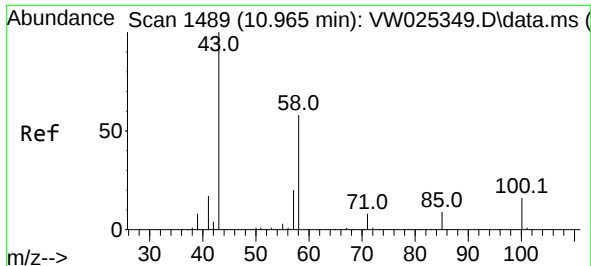
164 100

129 95.7 69.6 129.2

131 95.3 67.4 125.2

166 130.7 88.5 164.3

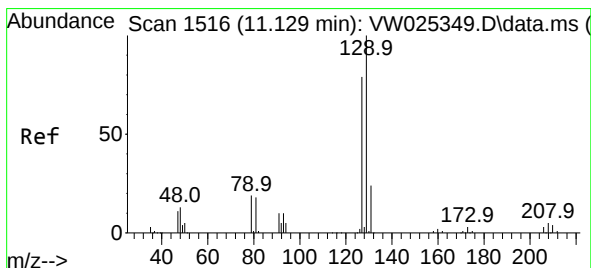
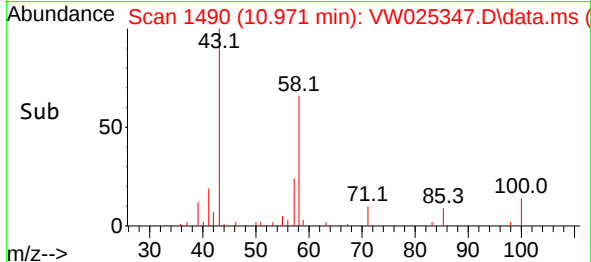
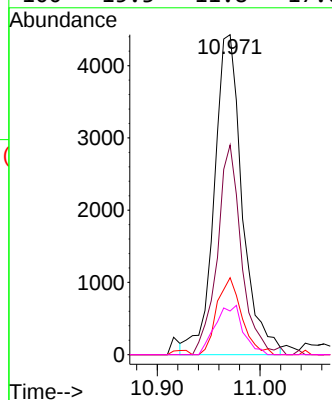
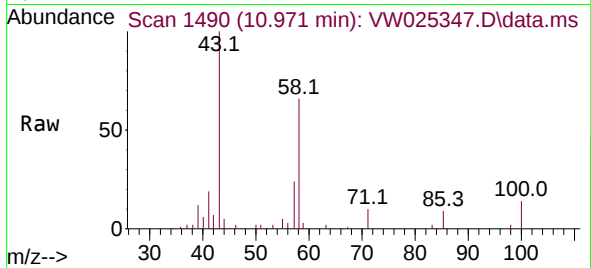




#48  
2-Hexanone  
Concen: 4.423 ug/L  
RT: 10.971 min Scan# 1489  
Delta R.T. 0.006 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

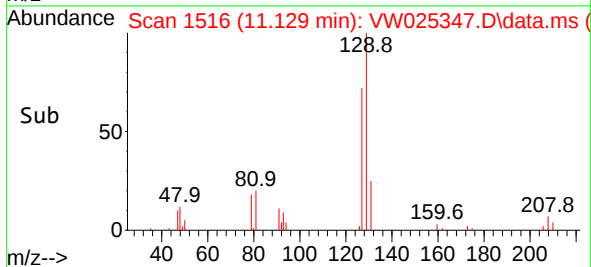
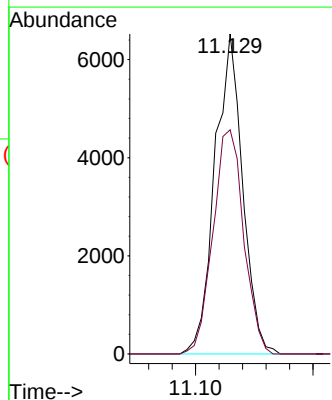
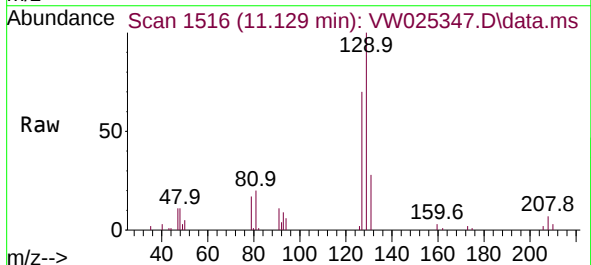
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

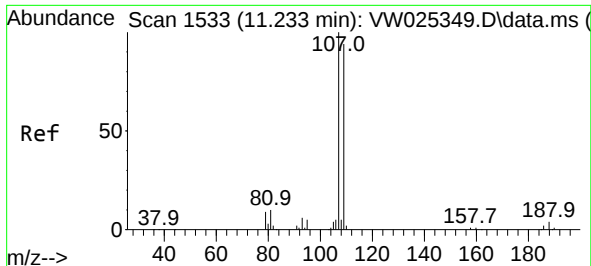
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 8392  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 56.1     | 47.0 70.4   |
| 57 21.4     | 17.0 25.4   |
| 100 15.3    | 11.8 17.6   |



#49  
Dibromochloromethane  
Concen: 2.483 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 10690 |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 70.1  | 55.3  | 102.7 |





#50

1,2-Dibromoethane

Concen: 2.500 ug/L

RT: 11.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5425

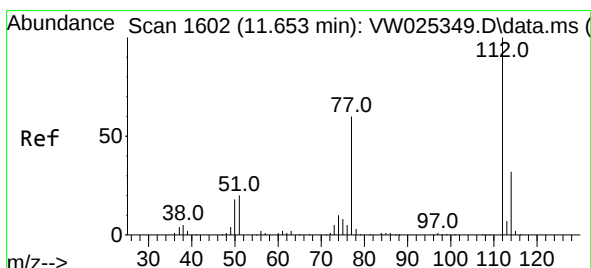
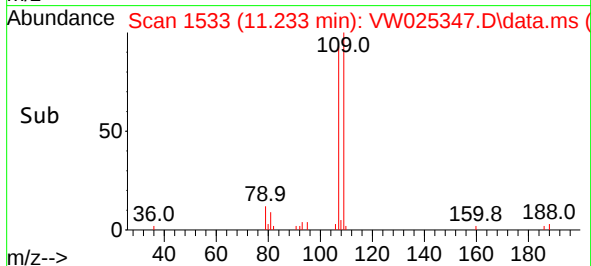
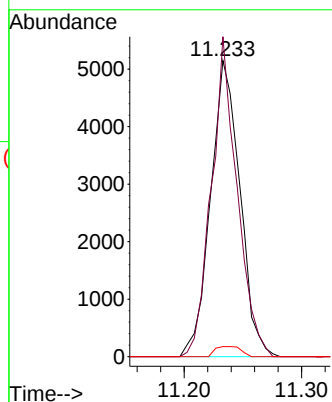
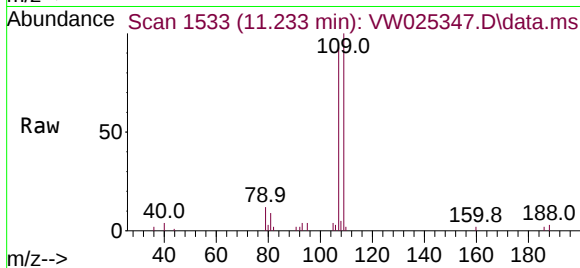
Tgt Ion:107 Resp: 8934

Ion Ratio Lower Upper

107 100

109 108.1 65.9 122.5

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 2.586 ug/L

RT: 11.660 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

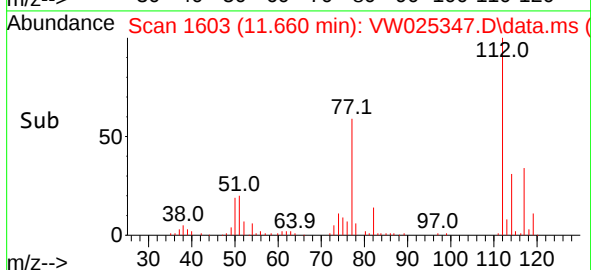
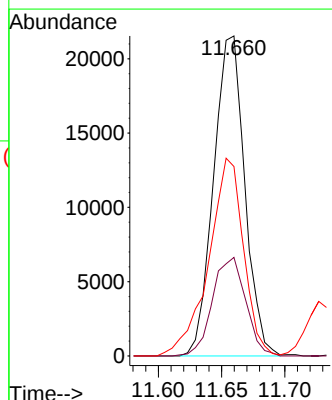
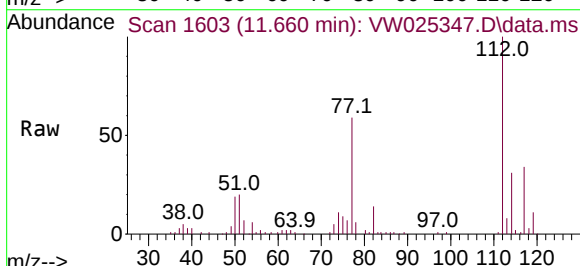
Tgt Ion:112 Resp: 36930

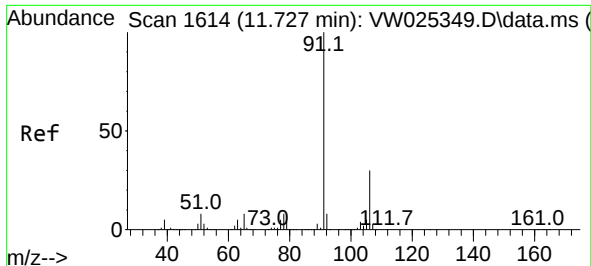
Ion Ratio Lower Upper

112 100

114 30.8 22.2 41.2

77 59.2 48.2 72.2

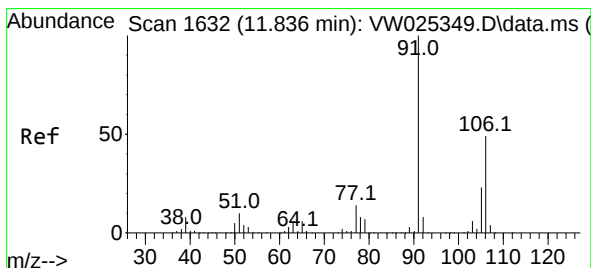
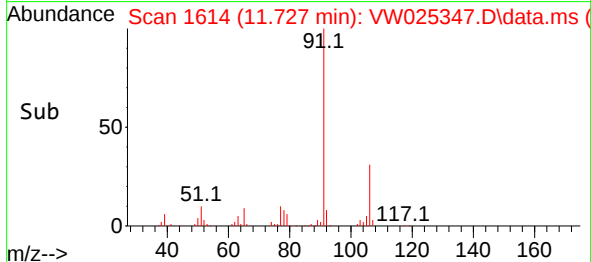
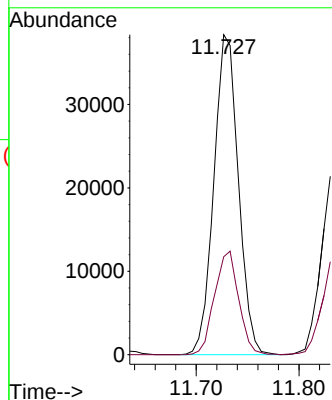
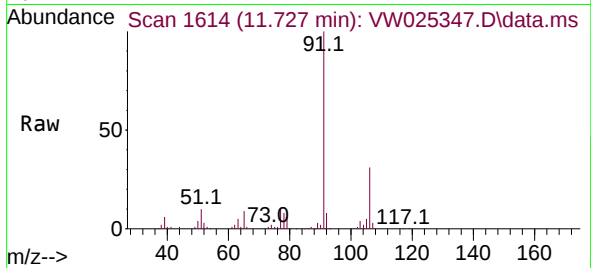




#52  
Ethylbenzene  
Concen: 2.466 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

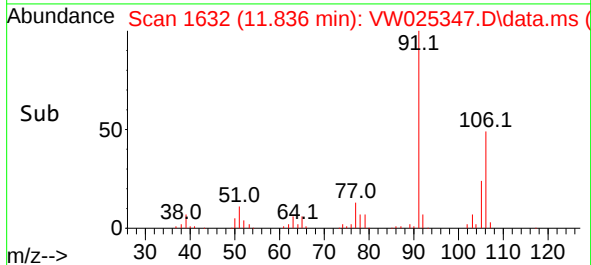
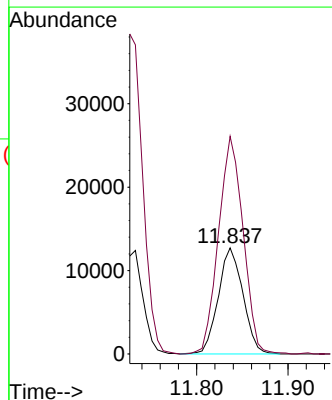
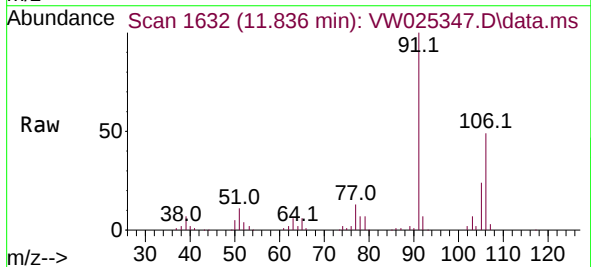
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

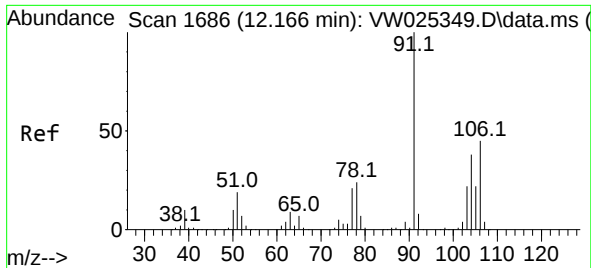
Tgt Ion: 91 Resp: 63545  
Ion Ratio Lower Upper  
91 100  
106 30.6 21.3 39.6



#53  
m,p-Xylene  
Concen: 2.440 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

Tgt Ion: 106 Resp: 23894  
Ion Ratio Lower Upper  
106 100  
91 205.0 144.1 267.7

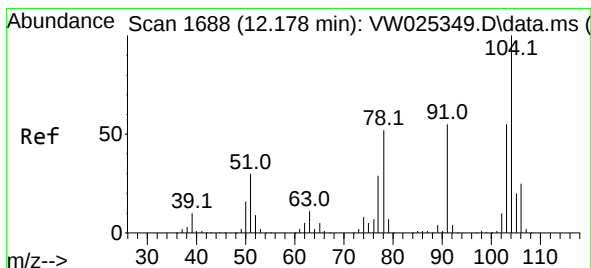
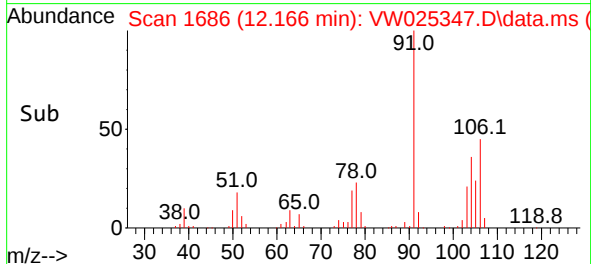
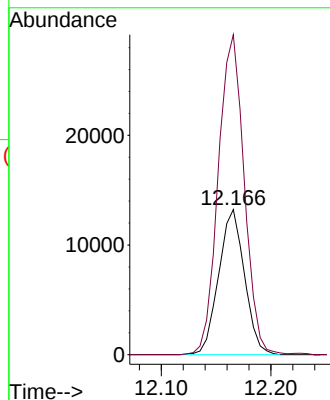
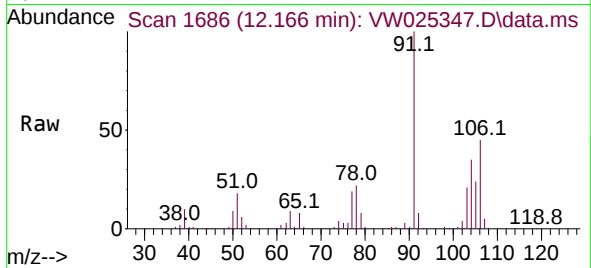




#54  
o-Xylene  
Concen: 2.394 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

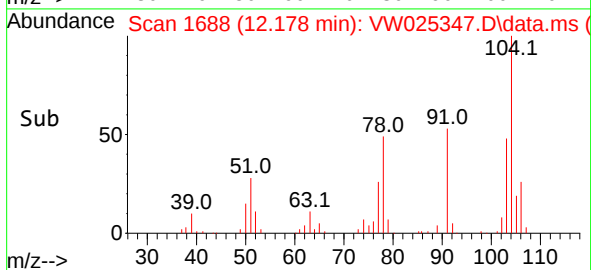
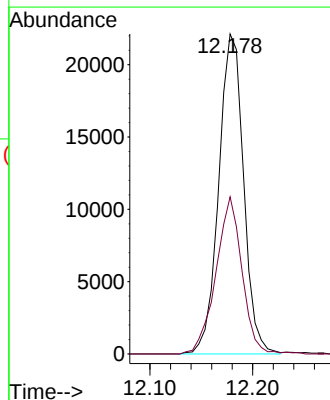
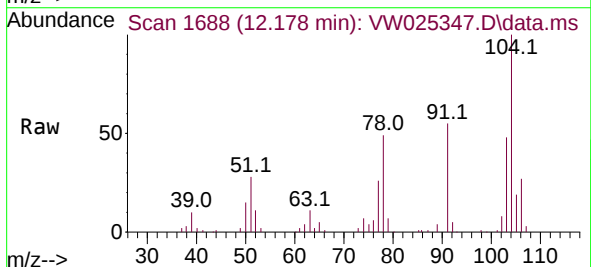
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

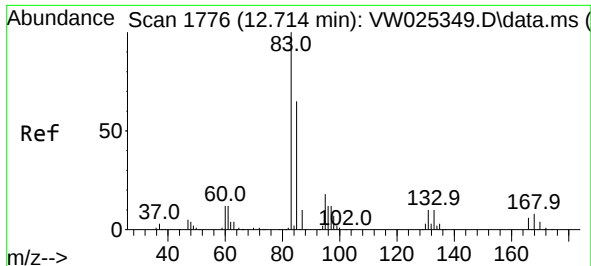
Tgt Ion:106 Resp: 21672  
Ion Ratio Lower Upper  
106 100  
91 220.4 157.1 291.7



#55  
Styrene  
Concen: 2.412 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

Tgt Ion:104 Resp: 37127  
Ion Ratio Lower Upper  
104 100  
78 49.1 36.6 68.0





#57

1,1,2-Tetrachloroethane

Concen: 2.603 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5425

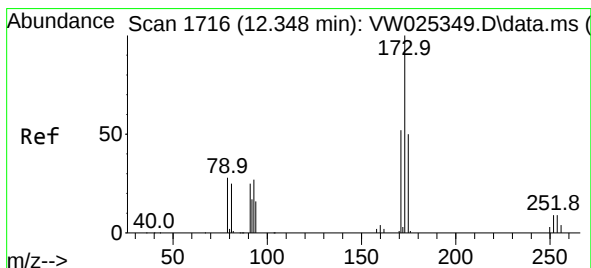
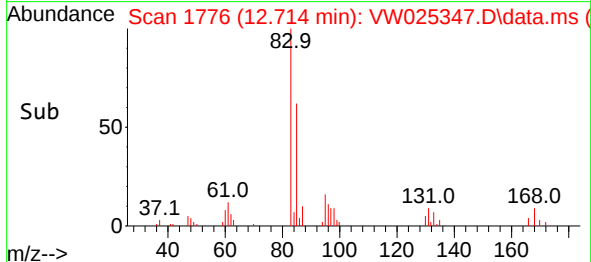
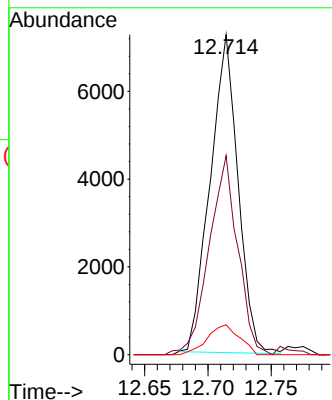
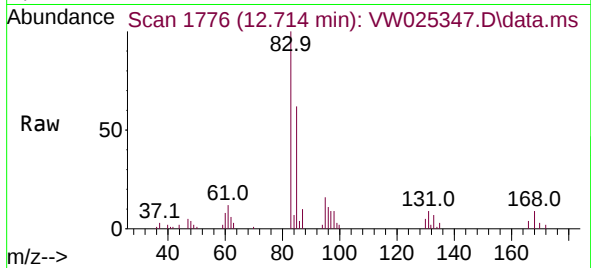
Tgt Ion: 83 Resp: 11075

Ion Ratio Lower Upper

83 100

85 62.2 45.6 84.6

131 9.3 8.2 12.2



#59

Bromoform

Concen: 2.630 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

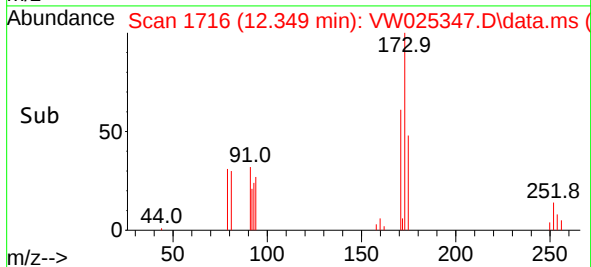
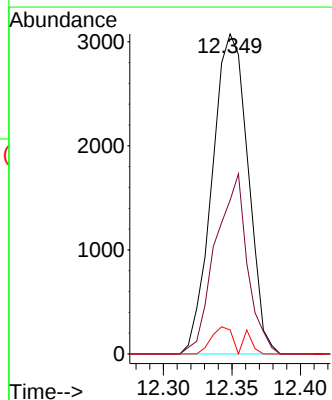
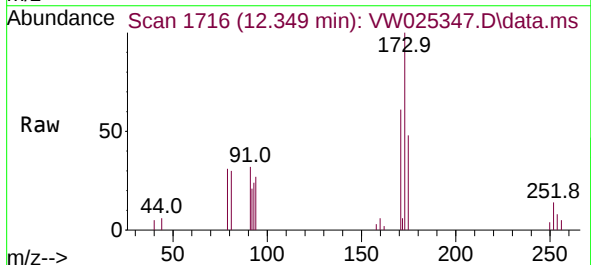
Tgt Ion: 173 Resp: 5606

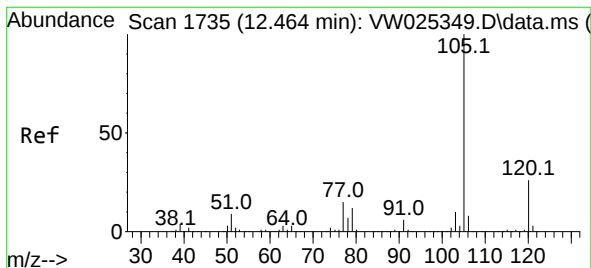
Ion Ratio Lower Upper

173 100

175 50.2 39.0 58.6

254 1.8 7.3 10.9#





#60

Isopropylbenzene

Concen: 2.621 ug/L

RT: 12.464 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5425

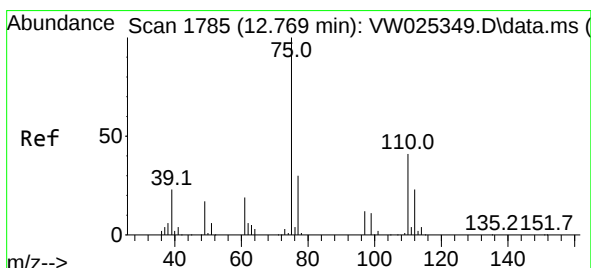
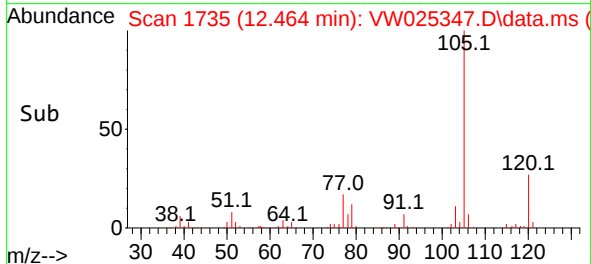
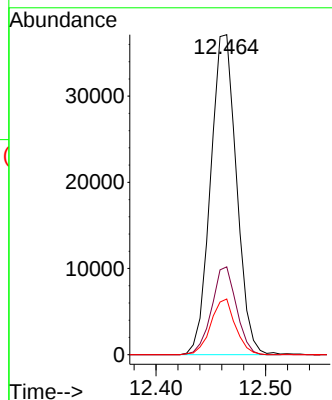
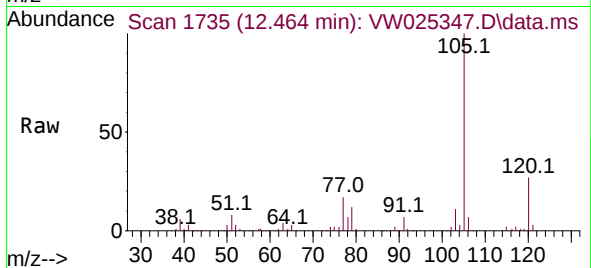
Tgt Ion:105 Resp: 61037

Ion Ratio Lower Upper

105 100

120 26.2 20.6 30.8

77 16.5 12.7 19.1



#61

1,2,3-Trichloropropane

Concen: 2.617 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

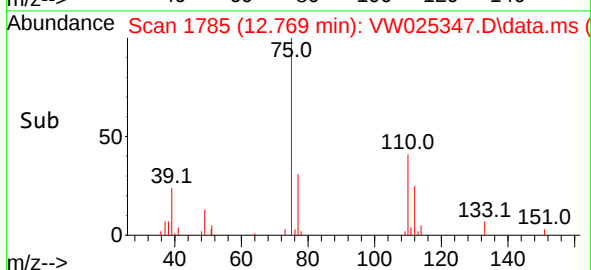
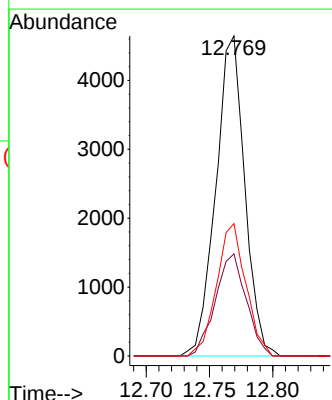
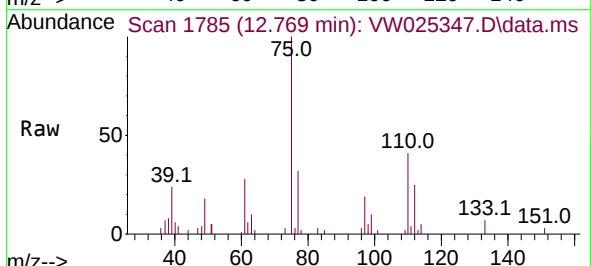
Tgt Ion: 75 Resp: 7380

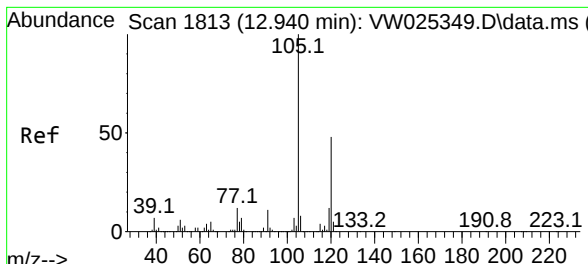
Ion Ratio Lower Upper

75 100

77 34.0 26.3 39.5

110 41.8 32.6 49.0

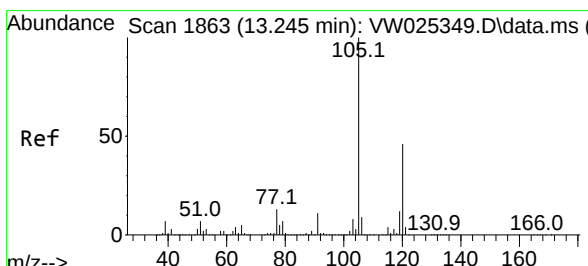
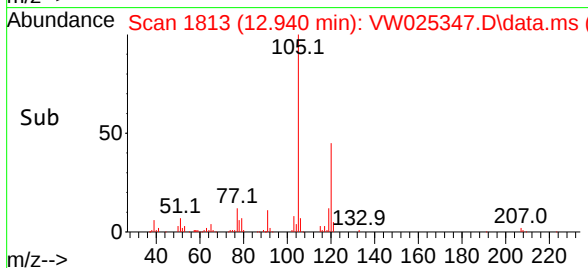
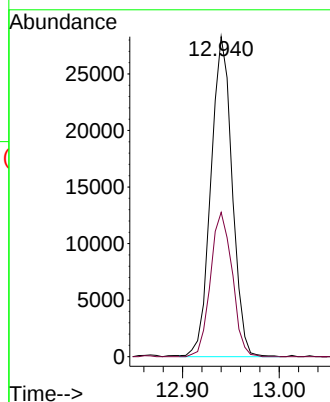
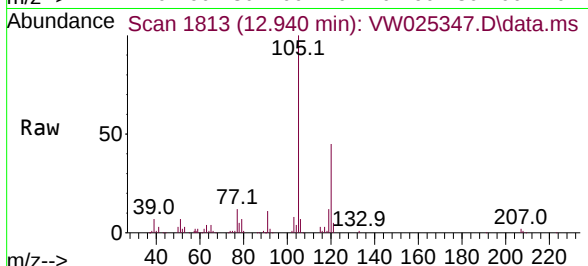




#62  
 1,3,5-Trimethylbenzene  
 Concen: 2.311 ug/L  
 RT: 12.940 min Scan# 1813  
 Delta R.T. 0.000 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

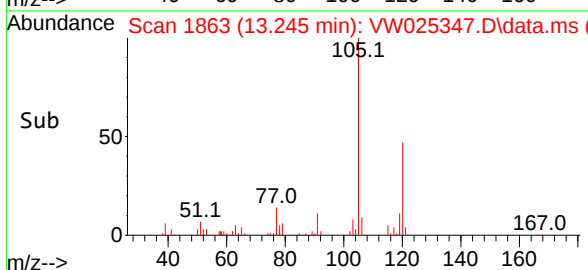
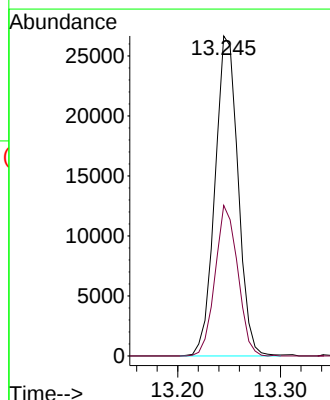
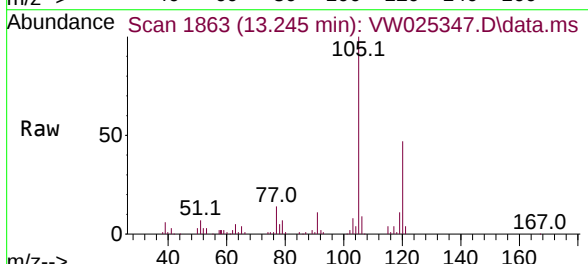
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5425

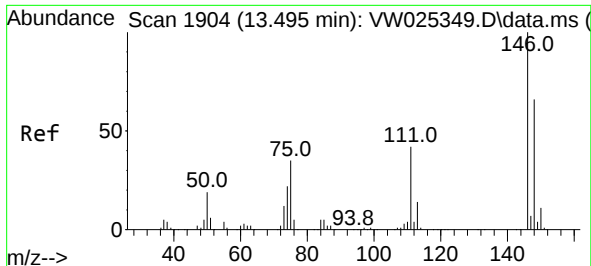
Tgt Ion:105 Resp: 43206  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 38.6 57.8



#63  
 1,2,4-Trimethylbenzene  
 Concen: 2.346 ug/L  
 RT: 13.245 min Scan# 1863  
 Delta R.T. 0.000 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

Tgt Ion:105 Resp: 41527  
 Ion Ratio Lower Upper  
 105 100  
 120 46.0 35.6 53.4

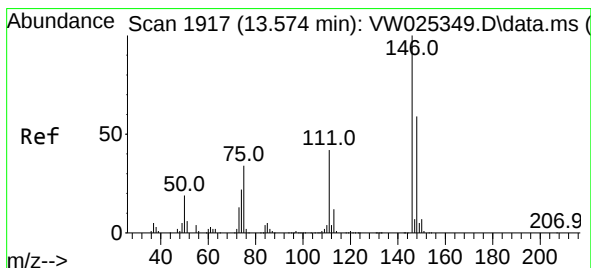
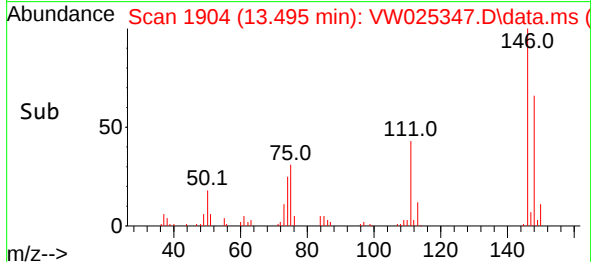
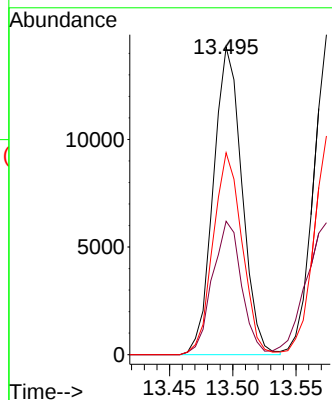
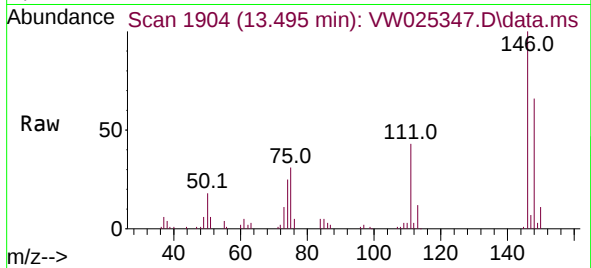




#64  
1,3-Dichlorobenzene  
Concen: 2.473 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

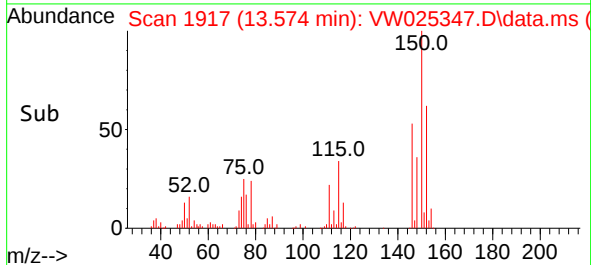
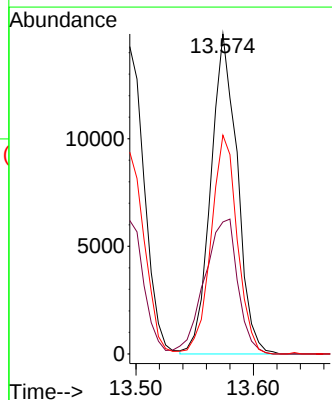
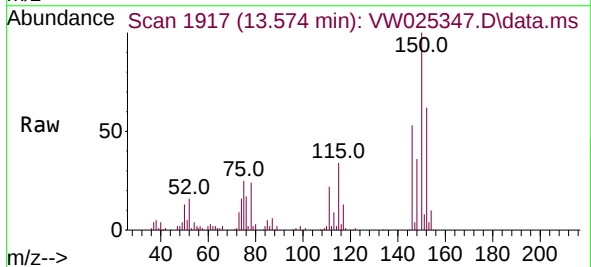
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.5425

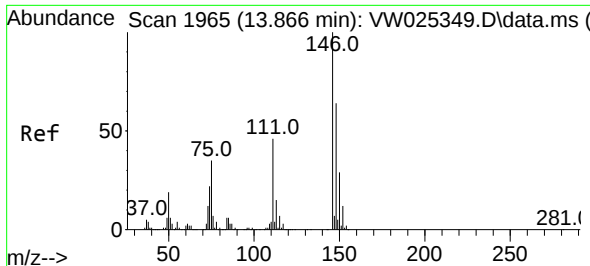
Tgt Ion:146 Resp: 22513  
Ion Ratio Lower Upper  
146 100  
111 43.4 29.5 54.7  
148 65.6 46.0 85.4



#65  
1,4-Dichlorobenzene  
Concen: 2.546 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW025347.D  
Acq: 22 Feb 2023 08:57

Tgt Ion:146 Resp: 23241  
Ion Ratio Lower Upper  
146 100  
111 41.3 29.8 55.3  
148 68.3 41.7 77.5





#67

1,2-Dichlorobenzene

Concen: 2.432 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5425

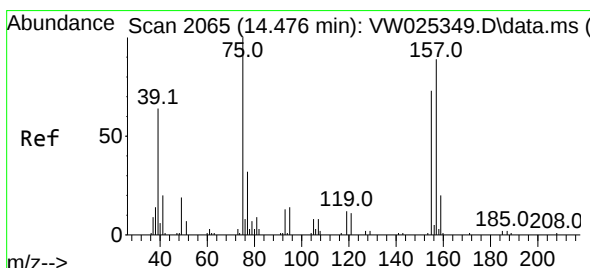
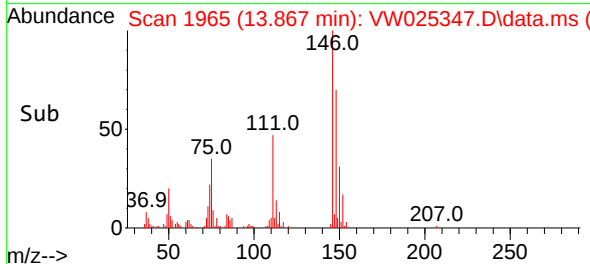
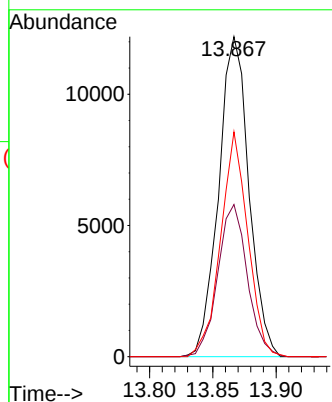
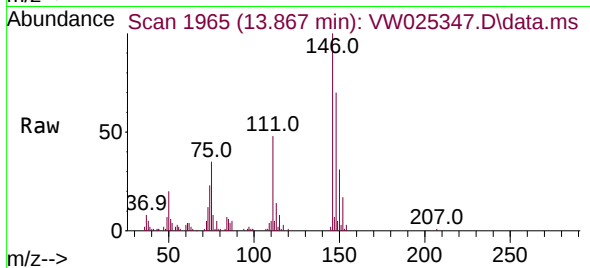
Tgt Ion:146 Resp: 20303

Ion Ratio Lower Upper

146 100

111 47.5 36.5 54.7

148 70.3 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 2.671 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

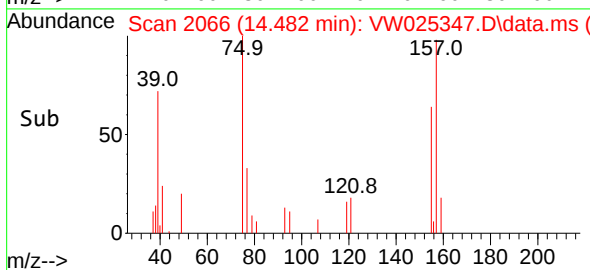
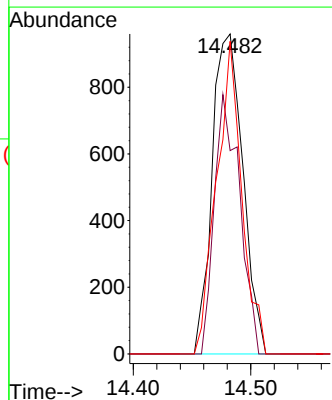
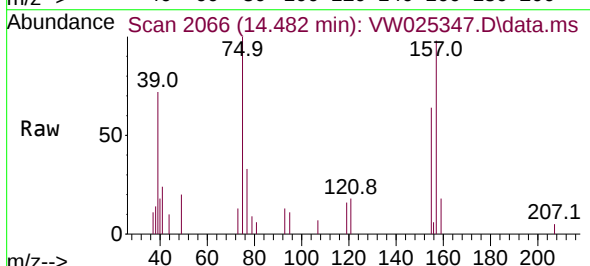
Tgt Ion: 75 Resp: 1741

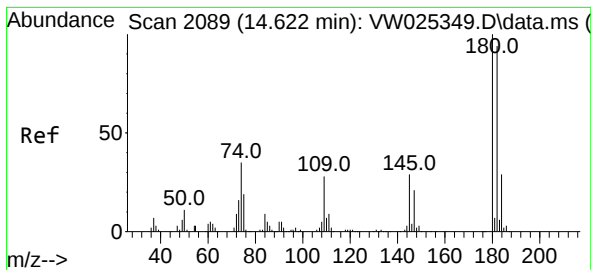
Ion Ratio Lower Upper

75 100

155 63.5 58.6 87.8

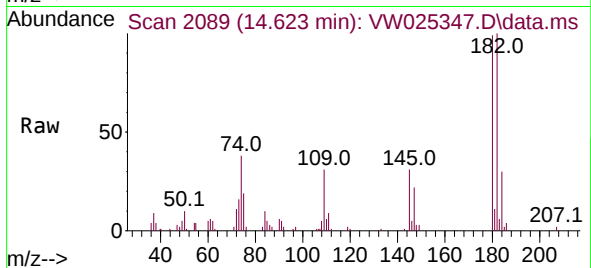
157 97.7 71.4 107.0



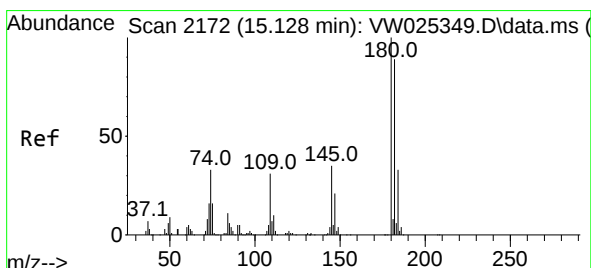
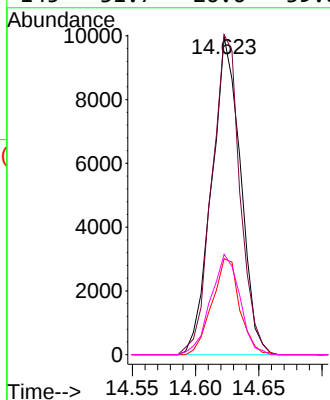
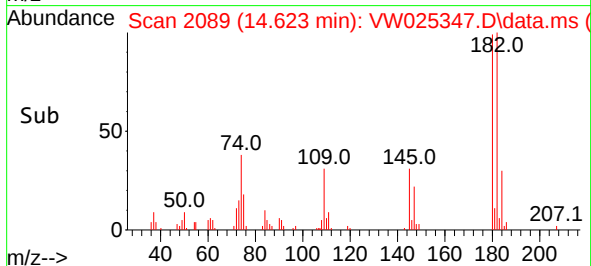


#69  
 1,3,5-Trichlorobenzene  
 Concen: 2.537 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. 0.000 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57

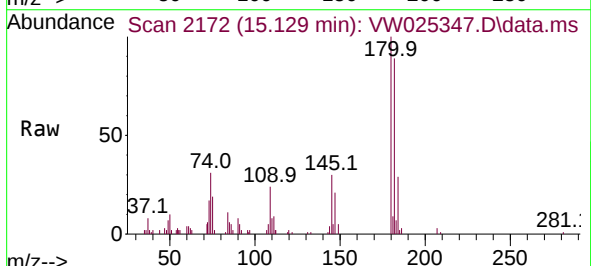
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5425



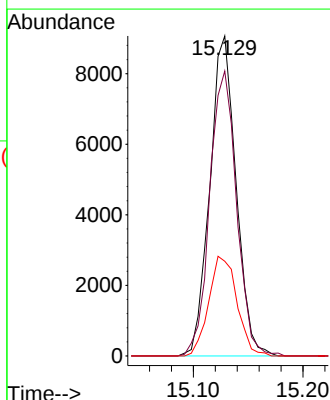
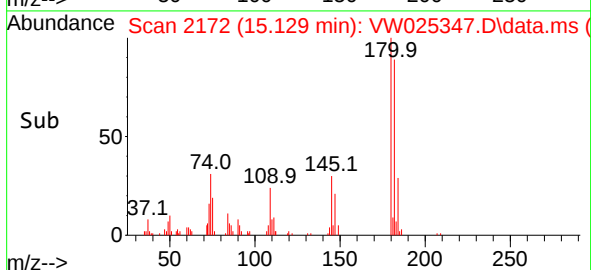
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 15812      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 97.9  | 76.5 114.7 |
| 184         | 28.9  | 25.2 37.8  |
| 145         | 31.7  | 26.6 39.8  |

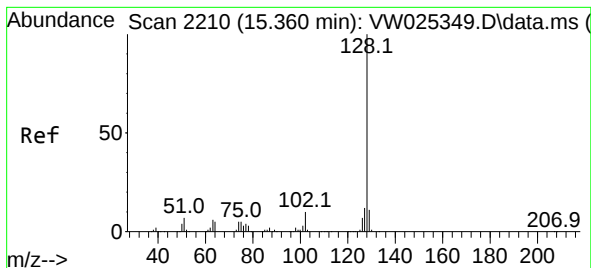


#70  
 1,2,4-trichlorobenzene  
 Concen: 2.792 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. 0.000 min  
 Lab File: VW025347.D  
 Acq: 22 Feb 2023 08:57



|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 15097      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 91.1  | 72.6 109.0 |
| 145         | 33.5  | 26.4 39.6  |





#71

Naphthalene

Concen: 2.464 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTD2.5425

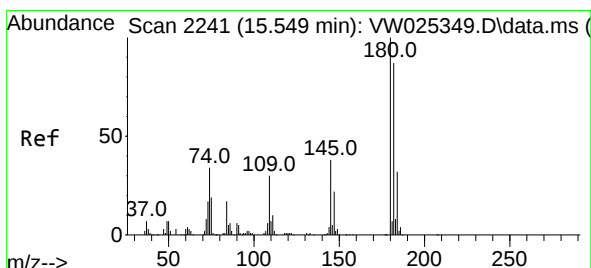
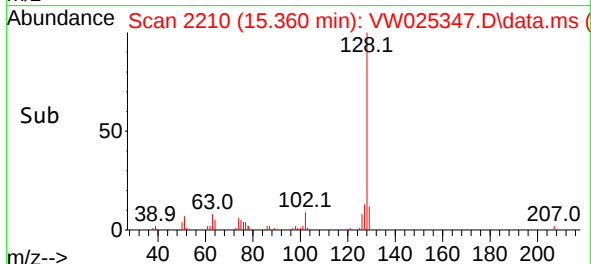
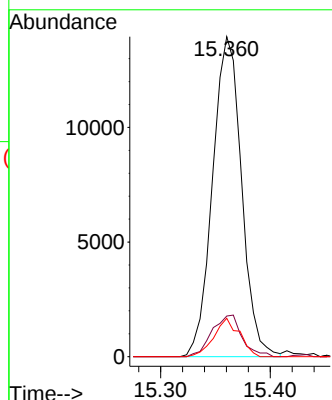
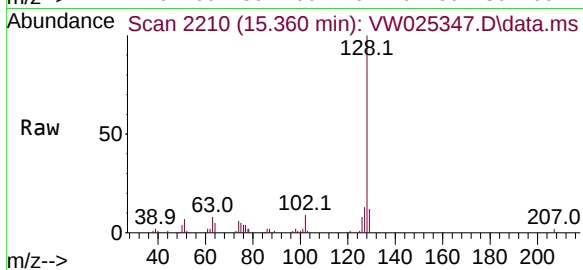
Tgt Ion:128 Resp: 25625

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 2.781 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW025347.D

Acq: 22 Feb 2023 08:57

Tgt Ion:180 Resp: 12772

Ion Ratio Lower Upper

180 100

182 99.6 76.6 115.0

145 35.8 29.3 43.9

