

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052422\  
 Data File : VW023304.D  
 Acq On : 25 May 2022 05:15  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: May 25 06:01:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed May 25 04:05:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 367921   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 373264   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 211880   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 130654   | 17.309   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 69.240%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 88178    | 17.956   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.840%  |
| 11) 1,1-Dichloroethene-d2     | 4.026  | 63    | 190392   | 19.521   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 78.080%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 68681    | 47.855   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 95.700%  |
| 24) Chloroform-d              | 7.647  | 84    | 250527   | 23.242   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.960%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 134756   | 22.794   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 91.160%  |
| 32) Benzene-d6                | 8.275  | 84    | 472110   | 21.944   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 138649   | 22.942   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.760%  |
| 41) Toluene-d8                | 10.323 | 98    | 455705   | 21.927   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.720%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 59588    | 21.414   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.640%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 57131    | 49.520   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 137131   | 24.344   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 97.360%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 185044   | 24.984   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.920%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 43640    | 21.758   | ug/L   | 93       |
| 3) Chloromethane              | 2.215  | 50    | 115997   | 29.929   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.361  | 62    | 172911   | 22.230   | ug/L   | 98       |
| 6) Bromomethane               | 2.770  | 94    | 77746    | 15.568   | ug/L   | 99       |
| 8) Chloroethane               | 2.916  | 64    | 80327    | 21.412   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 65823    | 18.515   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 127199   | 23.929   | ug/L # | 77       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 113720   | 24.133   | ug/L   | 81       |
| 13) Acetone                   | 4.129  | 43    | 42711    | 39.749   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.385  | 76    | 286653   | 22.188   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.672  | 43    | 55352    | 25.641   | ug/L   | 96       |
| 16) Methylene chloride        | 4.909  | 84    | 150511   | 27.957   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 132453   | 24.977   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 226063   | 27.926   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 226782   | 25.233   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 150234   | 26.376   | ug/L # | 97       |
| 22) 2-Butanone                | 7.171  | 43    | 71133    | 47.337   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.513  | 128   | 73510    | 27.558   | ug/L   | 87       |
| 25) Chloroform                | 7.677  | 83    | 260844   | 26.247   | ug/L   | 94       |

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 Data File : VW023304.D  
 Acq On : 25 May 2022 05:15  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

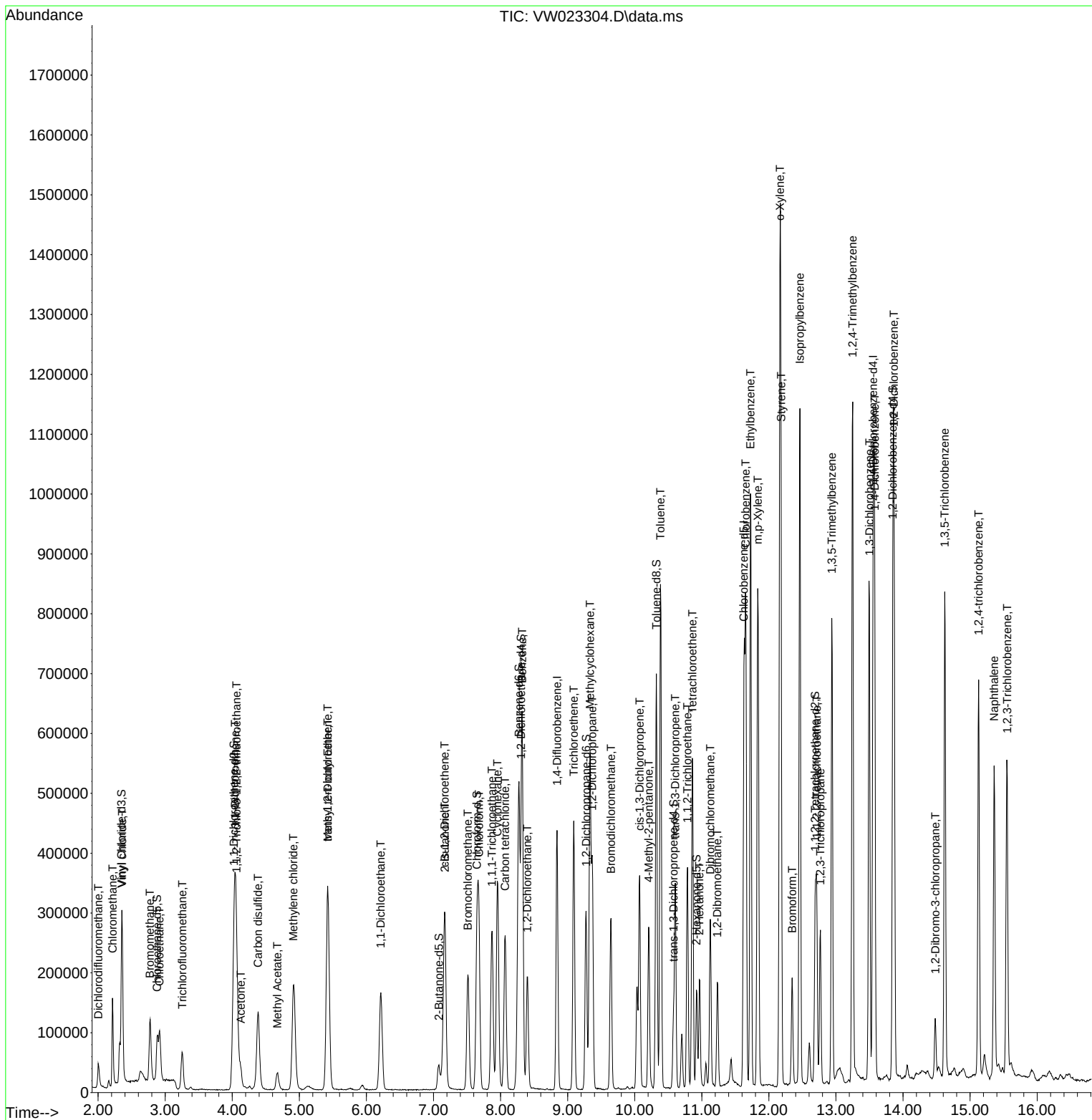
Instrument :  
 MSVOA\_W  
 ClientSampleId :

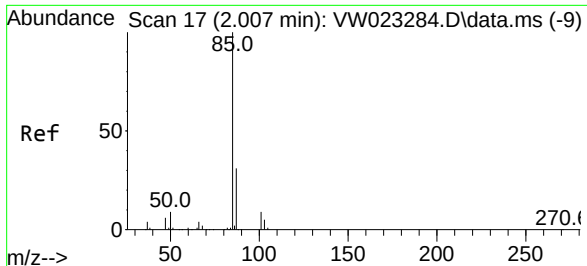
Quant Time: May 25 06:01:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed May 25 04:05:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 168203   | 25.391 | ug/L   | 100      |
| 29) Cyclohexane               | 7.952  | 56   | 188986   | 23.411 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 216530   | 24.547 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 194677   | 23.593 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 547215   | 24.886 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 148839   | 24.613 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.336  | 83   | 231438   | 23.296 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 132991   | 24.992 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 184971   | 24.473 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 201841   | 24.462 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 165712   | 49.407 | ug/L   | 96       |
| 42) Toluene                   | 10.384 | 91   | 618371   | 25.093 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 181118   | 24.593 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 115336   | 25.927 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.860 | 164  | 118967   | 26.178 | ug/L   | 87       |
| 48) 2-Hexanone                | 10.963 | 43   | 111234   | 49.636 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 141663   | 26.460 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 114507   | 25.635 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.652 | 112  | 424701   | 26.142 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.725 | 91   | 696223   | 25.395 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 280071   | 25.926 | ug/L   | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 274956   | 26.524 | ug/L   | 99       |
| 55) Styrene                   | 12.183 | 104  | 466233   | 26.468 | ug/L   | 91       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 139295   | 25.070 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 78653    | 26.194 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 720451   | 24.820 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 100196   | 23.667 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 413628   | 25.614 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 631356   | 26.038 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 348106   | 26.861 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 350420   | 26.178 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 303164   | 25.564 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 21722    | 23.477 | ug/L # | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 236221   | 27.460 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 200248   | 28.938 | ug/L   | 98       |
| 71) Naphthalene               | 15.359 | 128  | 445774   | 29.639 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 173650   | 28.314 | ug/L   | 95       |

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

Quant Time: May 25 06:01:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0  
QLast Update : Wed May 25 04:05:49 2022  
Response via : Initial Calibration

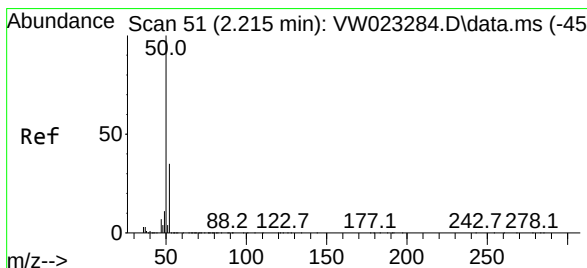
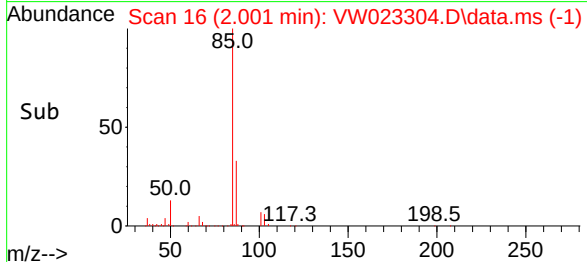
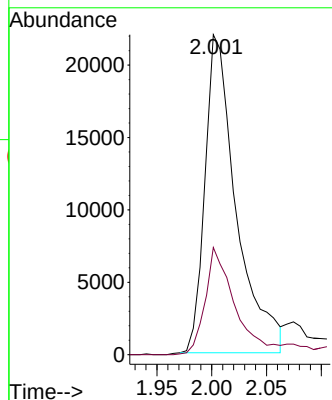
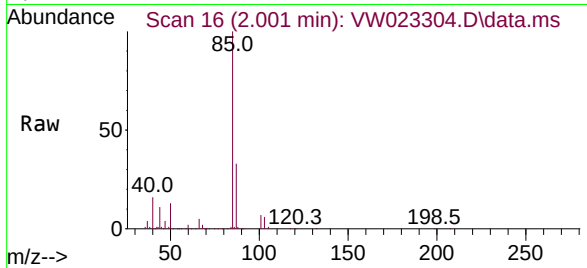




#2  
 Dichlorodifluoromethane  
 Concen: 21.758 ug/L  
 RT: 2.001 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: VW023304.D  
 Acq: 25 May 2022 05:15

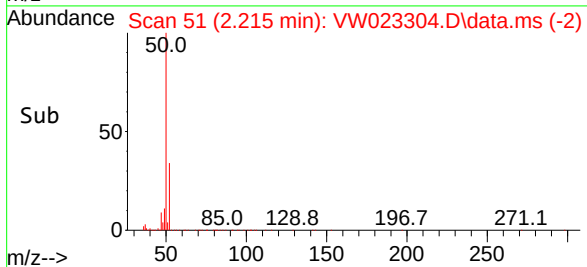
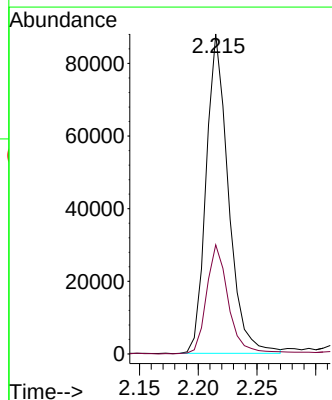
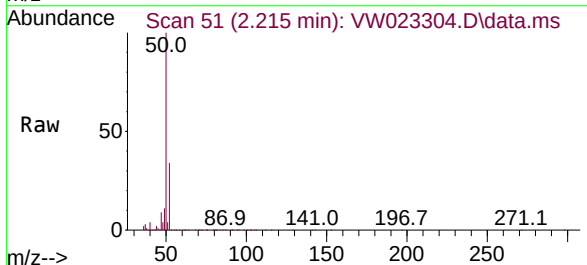
Instrument :  
 MSVOA\_W  
 ClientSampleId :

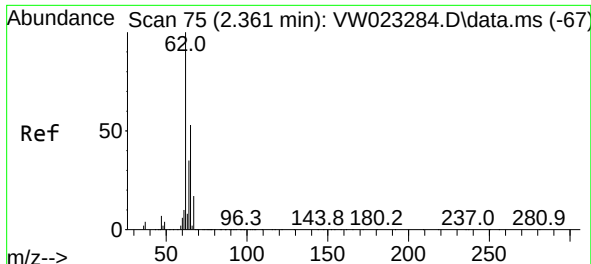
Tgt Ion: 85 Resp: 43640  
 Ion Ratio Lower Upper  
 85 100  
 87 30.9 27.8 41.8



#3  
 Chloromethane  
 Concen: 29.929 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VW023304.D  
 Acq: 25 May 2022 05:15

Tgt Ion: 50 Resp: 115997  
 Ion Ratio Lower Upper  
 50 100  
 52 34.1 23.1 42.9

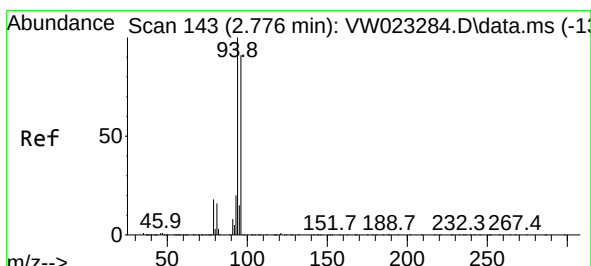
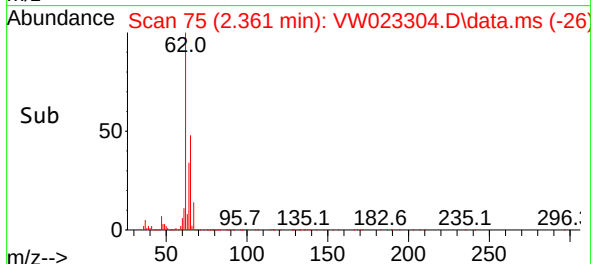
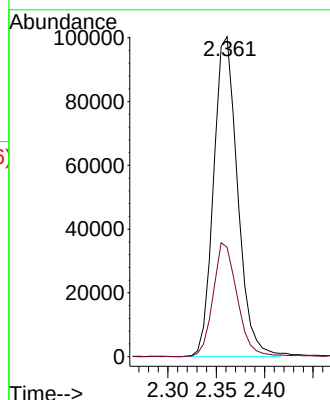
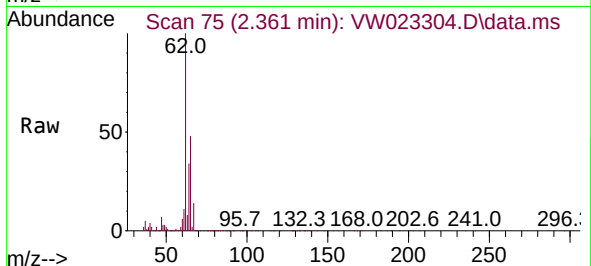




#5  
 Vinyl chloride  
 Concen: 22.230 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VW023304.D  
 Acq: 25 May 2022 05:15

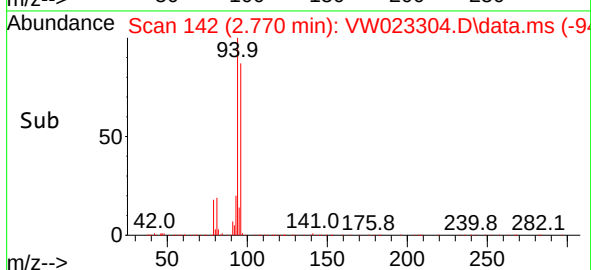
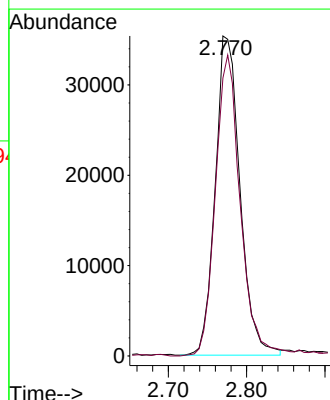
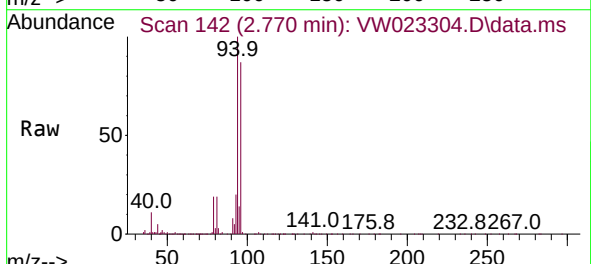
Instrument :  
 MSVOA\_W  
 ClientSampleId :

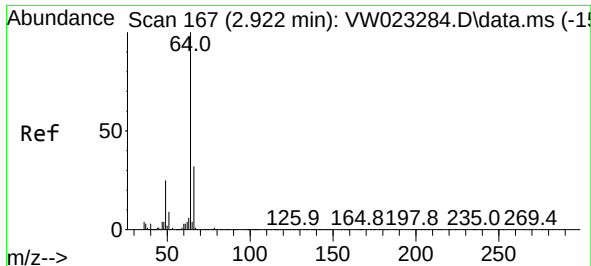
Tgt Ion: 62 Resp: 172911  
 Ion Ratio Lower Upper  
 62 100  
 64 34.2 24.9 46.3



#6  
 Bromomethane  
 Concen: 15.568 ug/L  
 RT: 2.770 min Scan# 142  
 Delta R.T. -0.006 min  
 Lab File: VW023304.D  
 Acq: 25 May 2022 05:15

Tgt Ion: 94 Resp: 77746  
 Ion Ratio Lower Upper  
 94 100  
 96 86.9 61.7 114.5

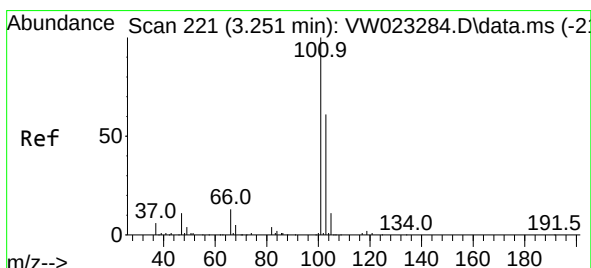
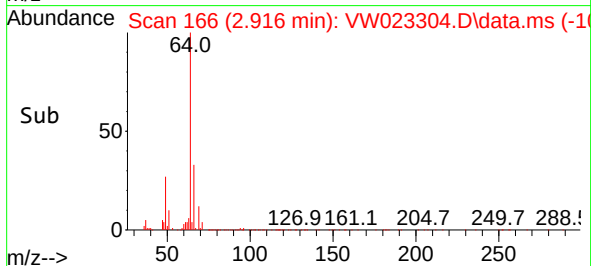
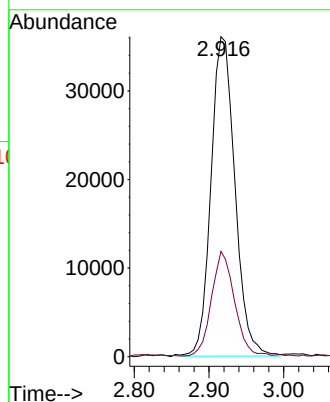
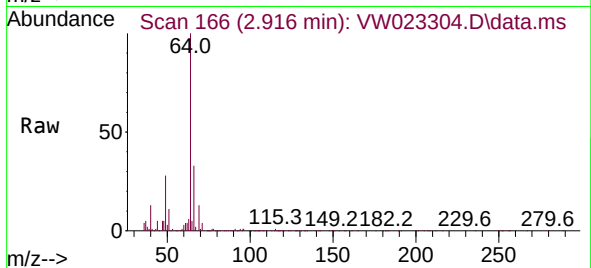




#8  
Chloroethane  
Concen: 21.412 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

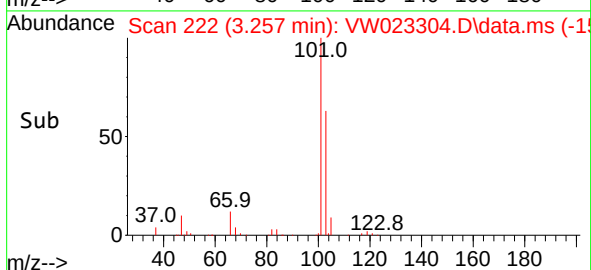
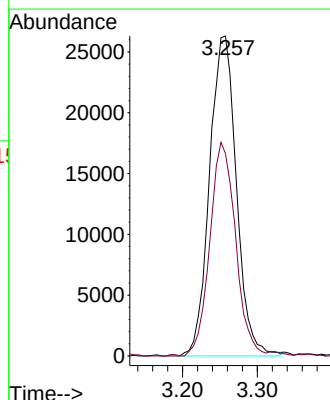
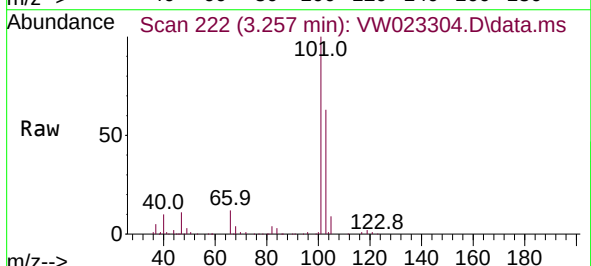
Instrument :  
MSVOA\_W  
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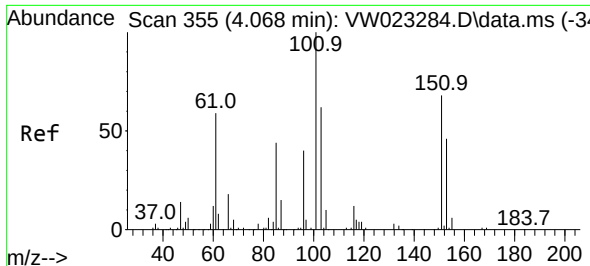
Tgt Ion: 64 Resp: 80327  
Ion Ratio Lower Upper  
64 100  
66 32.9 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 18.515 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. 0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion: 101 Resp: 65823  
Ion Ratio Lower Upper  
101 100  
103 63.8 53.9 80.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 23.929 ug/L

RT: 4.062 min Scan# 31

Delta R.T. -0.006 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

ClientSampleId :

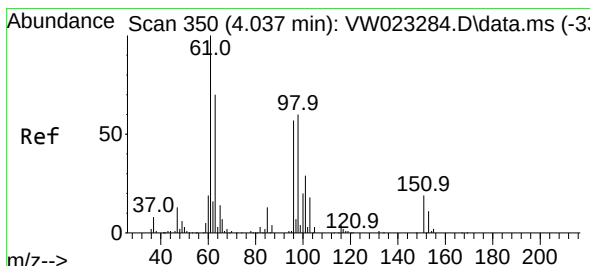
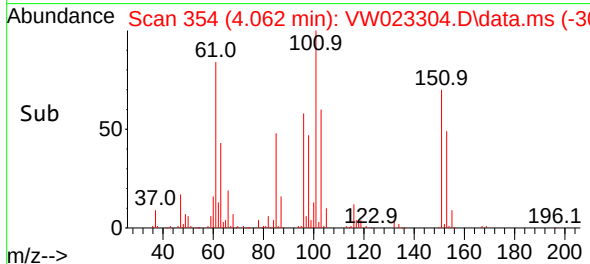
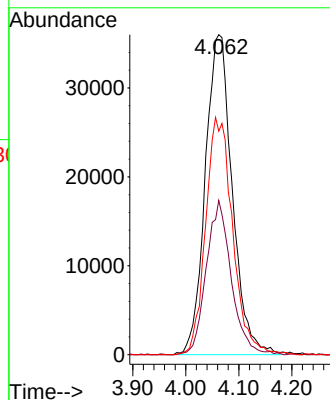
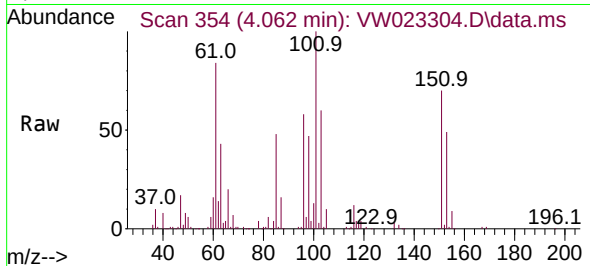
Tgt Ion:101 Resp: 127199

Ion Ratio Lower Upper

101 100

85 44.1 34.3 51.5

151 38.7 54.2 81.2#



#12

1,1-Dichloroethene

Concen: 24.133 ug/L

RT: 4.044 min Scan# 351

Delta R.T. 0.006 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

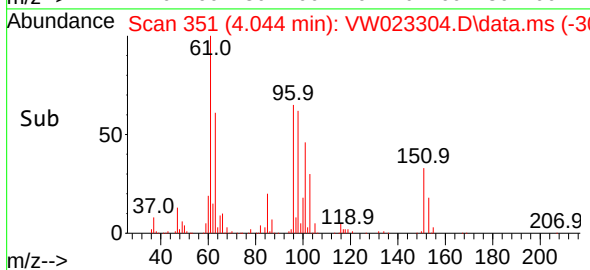
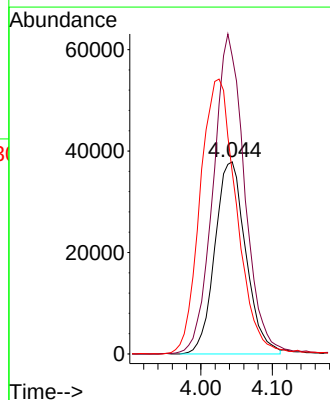
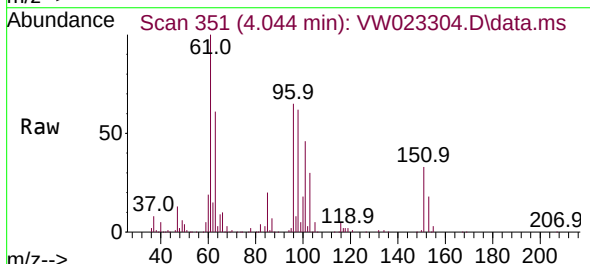
Tgt Ion: 96 Resp: 113720

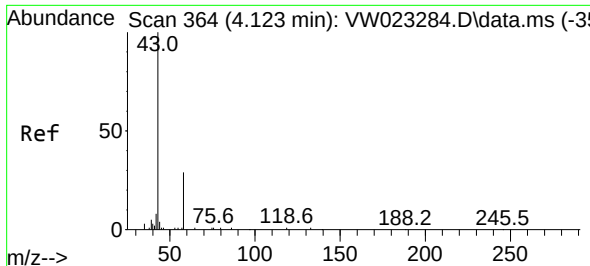
Ion Ratio Lower Upper

96 100

61 154.9 125.7 233.5

63 94.8 83.4 155.0





#13

Acetone

Concen: 39.749 ug/L

RT: 4.129 min Scan# 364

Delta R.T. 0.006 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

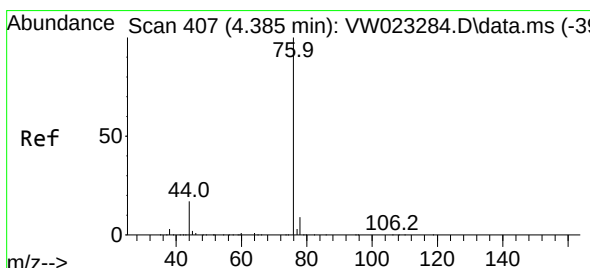
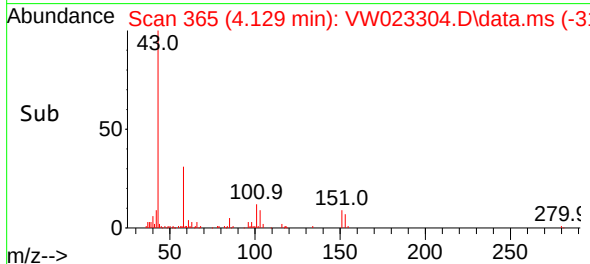
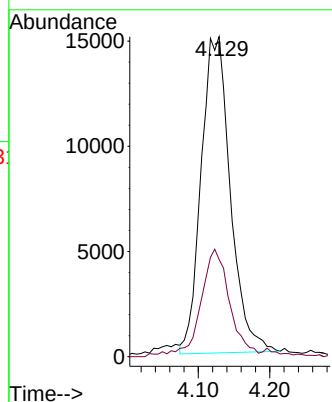
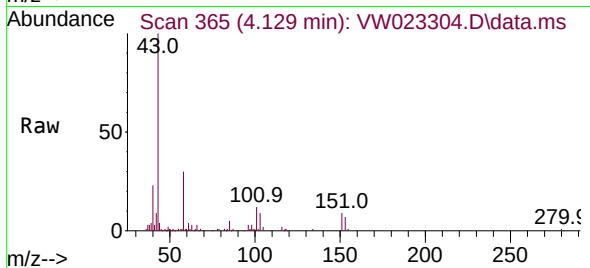
ClientSampleId :

Tgt Ion: 43 Resp: 42711

Ion Ratio Lower Upper

43 100

58 33.1 0.0 64.0



#14

Carbon disulfide

Concen: 22.188 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

Lab File: VW023304.D

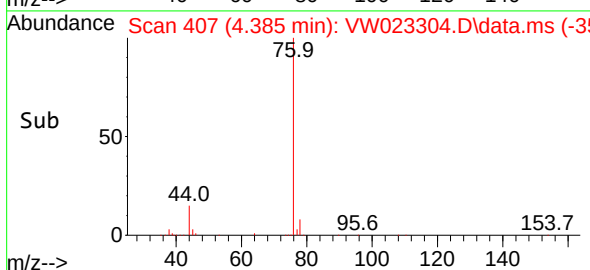
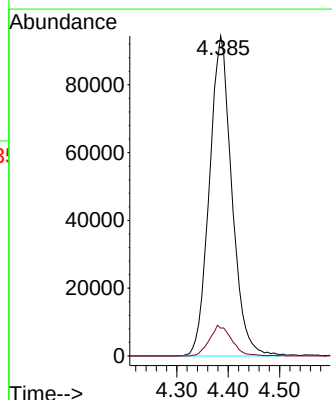
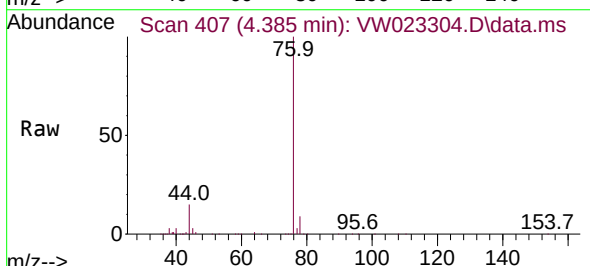
Acq: 25 May 2022 05:15

Tgt Ion: 76 Resp: 286653

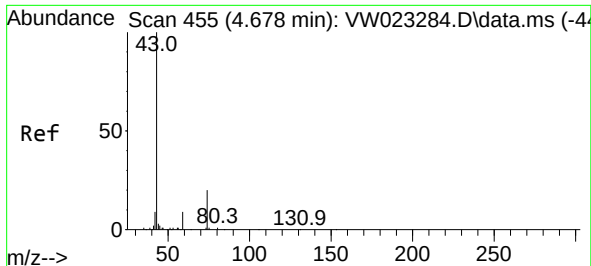
Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5



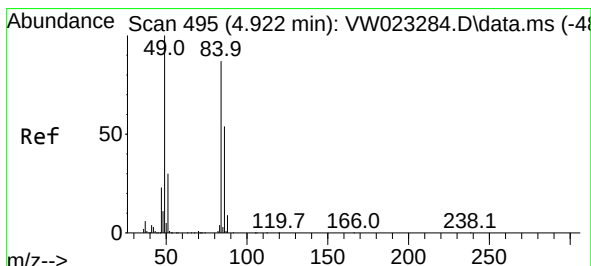
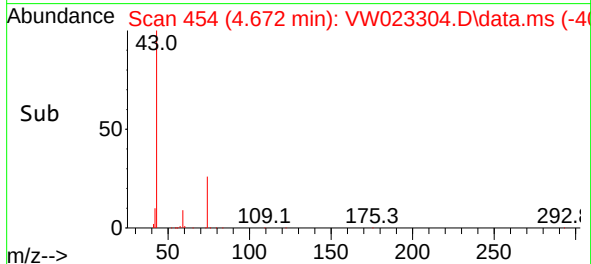
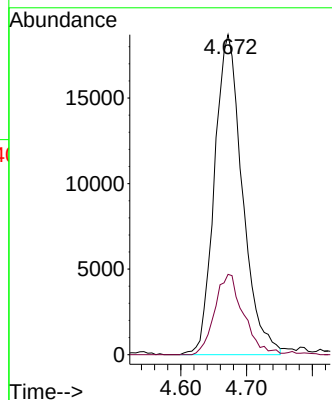
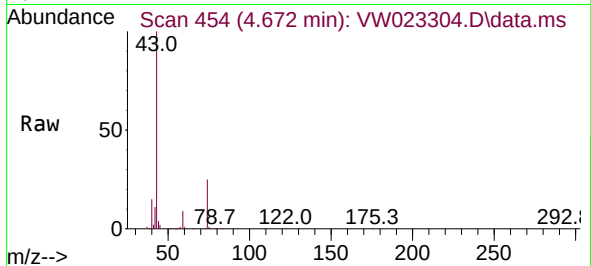




#15  
Methyl Acetate  
Concen: 25.641 ug/L  
RT: 4.672 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

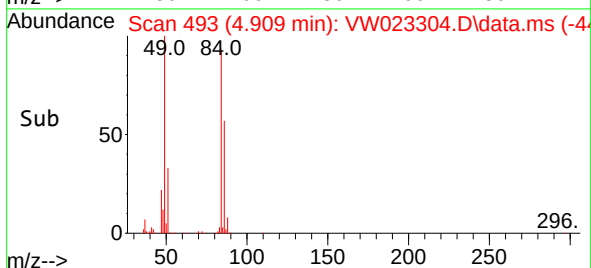
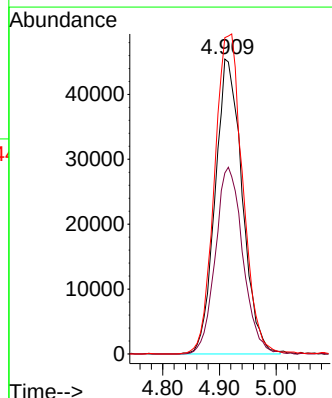
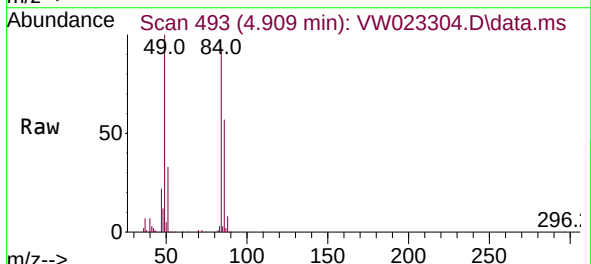
Instrument :  
MSVOA\_W  
ClientSampleId :

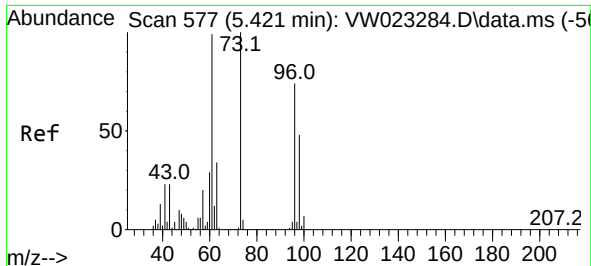
Tgt Ion: 43 Resp: 55352  
Ion Ratio Lower Upper  
43 100  
74 25.3 21.9 32.9



#16  
Methylene chloride  
Concen: 27.957 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.012 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion: 84 Resp: 150511  
Ion Ratio Lower Upper  
84 100  
86 61.4 45.4 84.4  
49 107.3 82.5 153.1

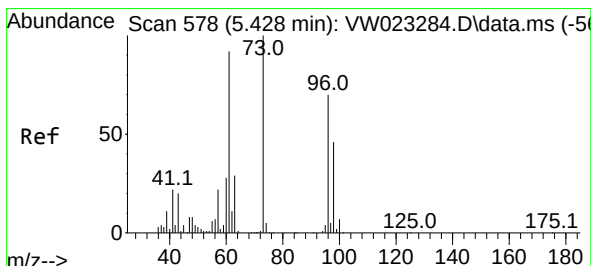
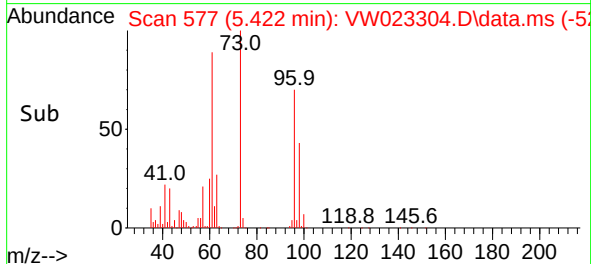
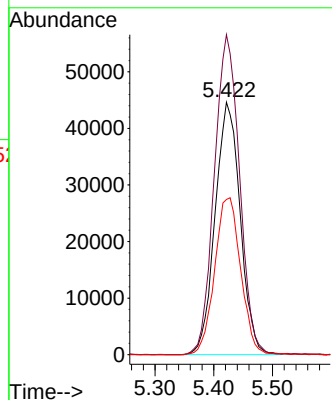
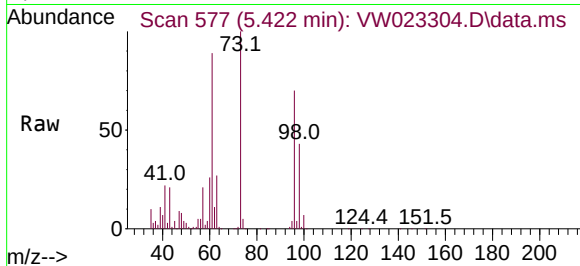




#17  
trans-1,2-Dichloroethene  
Concen: 24.977 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

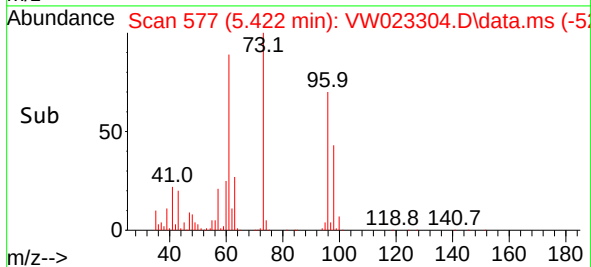
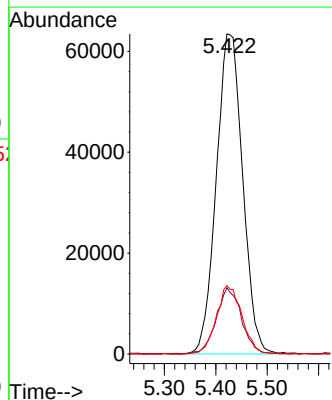
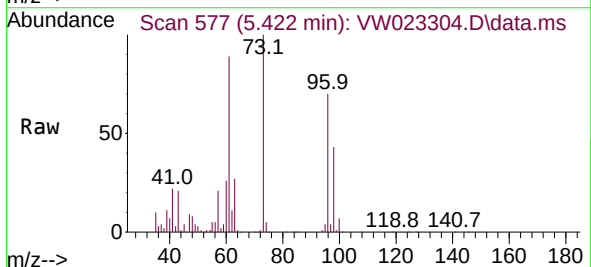
Instrument :  
MSVOA\_W  
ClientSampleId :

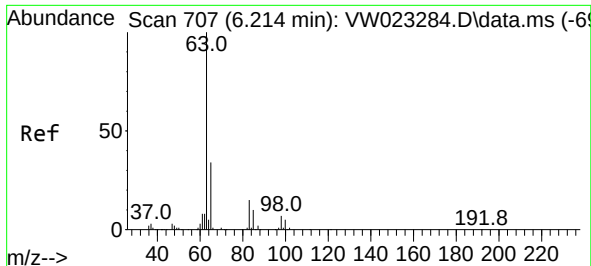
Tgt Ion: 96 Resp: 132453  
Ion Ratio Lower Upper  
96 100  
61 126.8 92.2 171.2  
98 61.5 42.9 79.7



#18  
Methyl tert-butyl Ether  
Concen: 27.926 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion: 73 Resp: 226063  
Ion Ratio Lower Upper  
73 100  
43 19.7 15.9 23.9  
57 20.7 16.5 24.7





#19

1,1-Dichloroethane

Concen: 25.233 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

ClientSampleId :

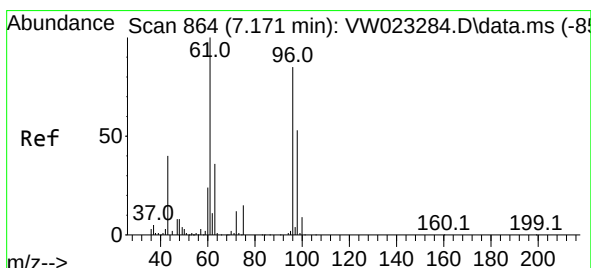
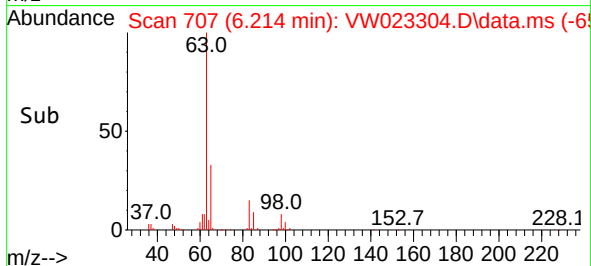
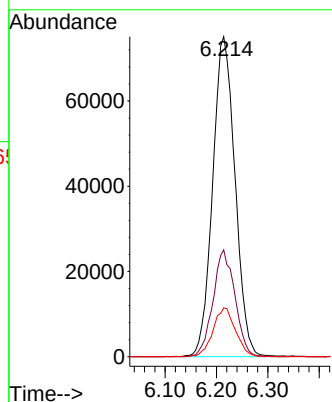
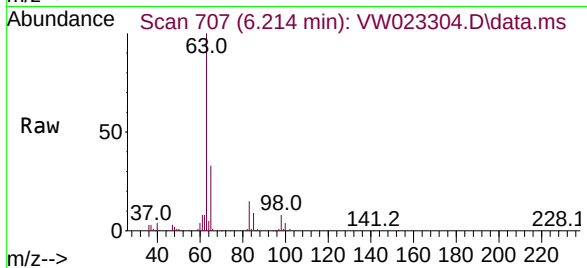
Tgt Ion: 63 Resp: 226782

Ion Ratio Lower Upper

63 100

65 33.4 23.3 43.3

83 15.3 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 26.376 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

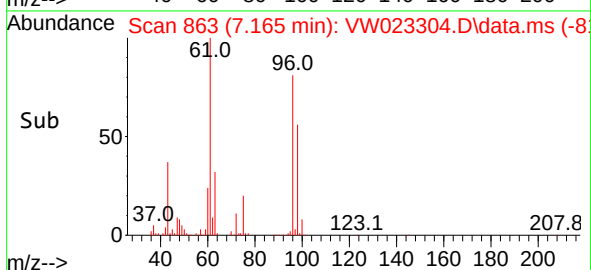
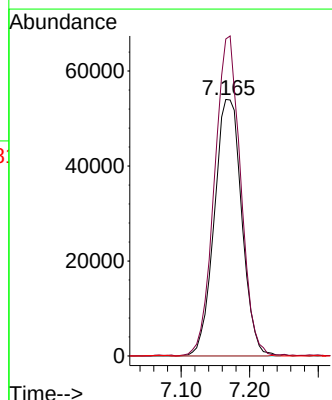
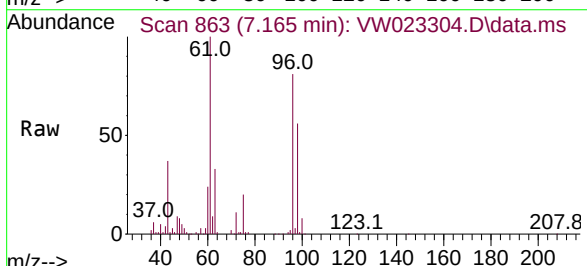
Tgt Ion: 96 Resp: 150234

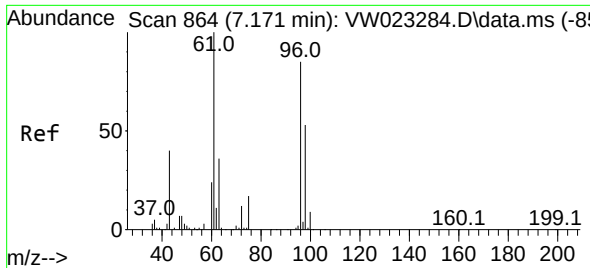
Ion Ratio Lower Upper

96 100

61 123.5 84.2 156.4

68 0.0 0.1 0.1#

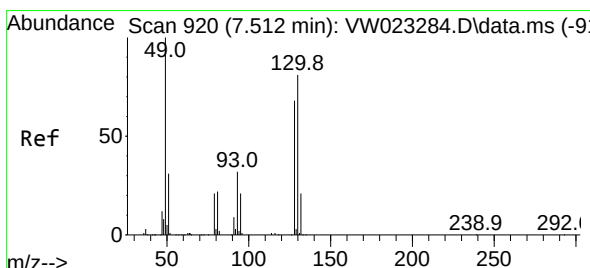
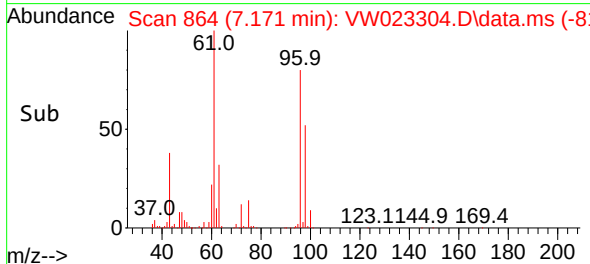
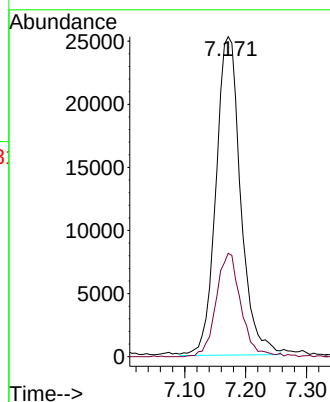
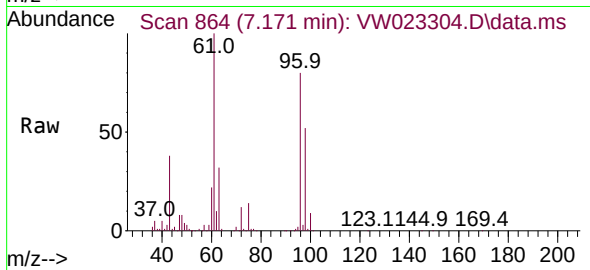




#22  
2-Butanone  
Concen: 47.337 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

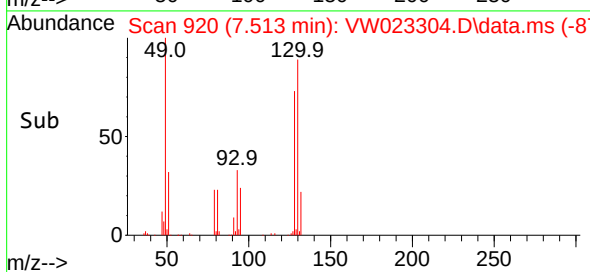
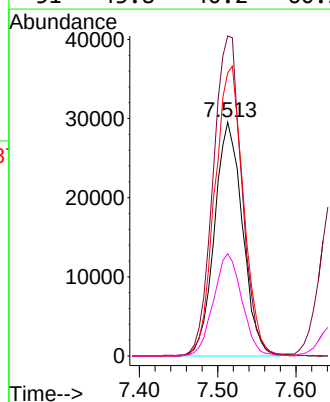
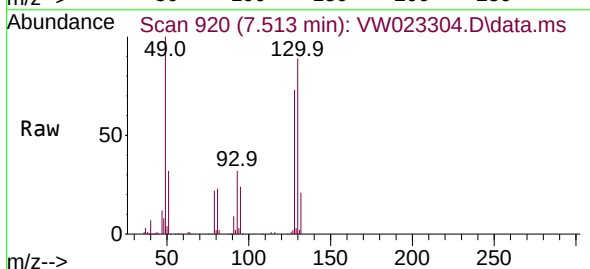
Instrument :  
MSVOA\_W  
ClientSampleId :

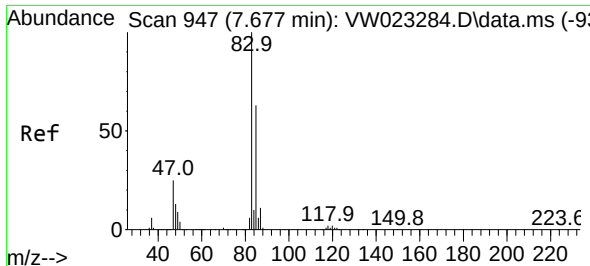
Tgt Ion: 43 Resp: 71133  
Ion Ratio Lower Upper  
43 100  
72 30.6 15.1 45.3



#23  
Bromochloromethane  
Concen: 27.558 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion: 128 Resp: 73510  
Ion Ratio Lower Upper  
128 100  
49 136.9 110.0 204.4  
130 121.2 94.8 176.0  
51 43.8 40.2 60.2

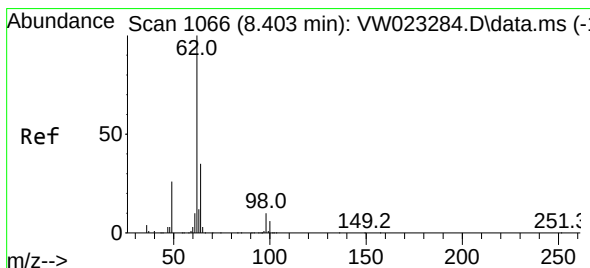
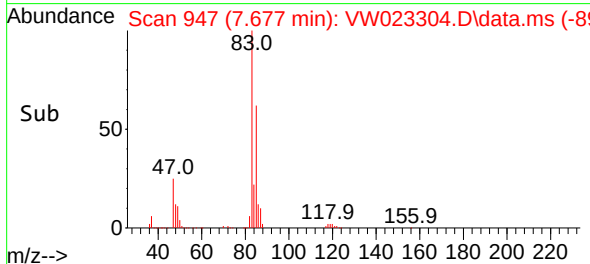
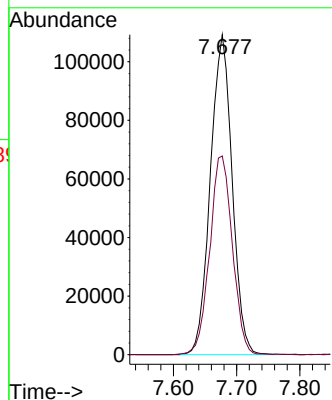
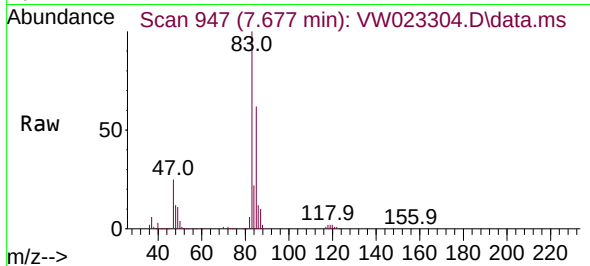




#25  
Chloroform  
Concen: 26.247 ug/L  
RT: 7.677 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

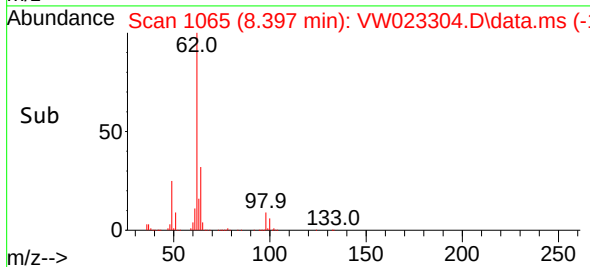
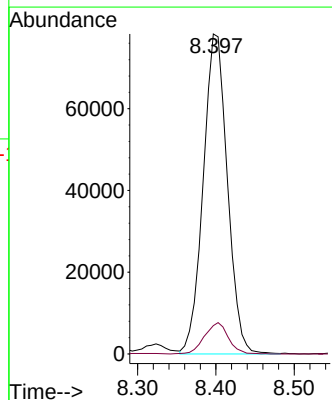
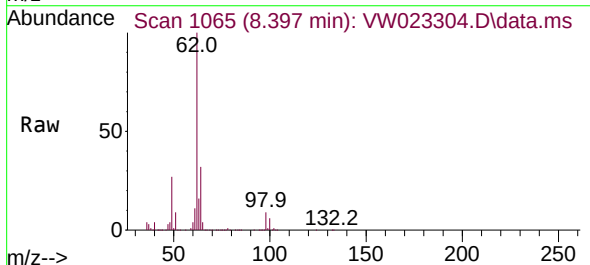
Instrument :  
MSVOA\_W  
ClientSampleId :

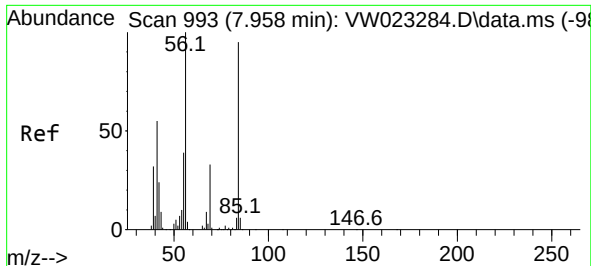
Tgt Ion: 83 Resp: 260844  
Ion Ratio Lower Upper  
83 100  
85 62.1 46.6 86.6



#27  
1,2-Dichloroethane  
Concen: 25.391 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

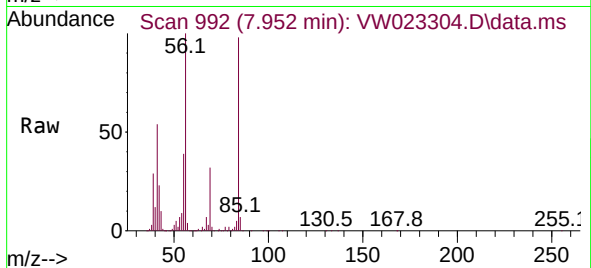
Tgt Ion: 62 Resp: 168203  
Ion Ratio Lower Upper  
62 100  
98 8.8 7.2 10.8



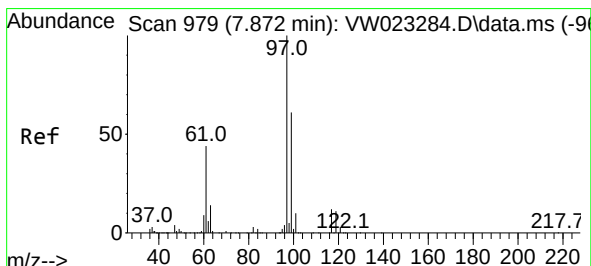
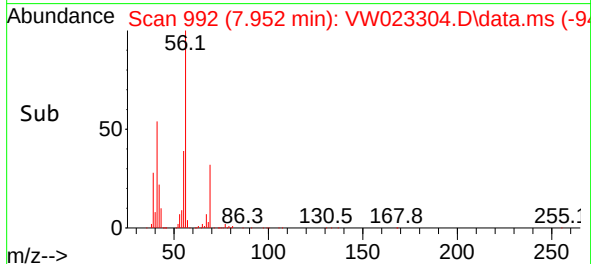
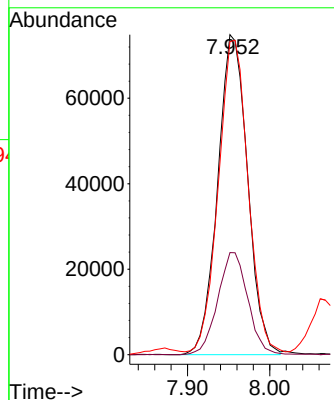


#29  
Cyclohexane  
Concen: 23.411 ug/L  
RT: 7.952 min Scan# 993  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Instrument :  
MSVOA\_W  
ClientSampleId :

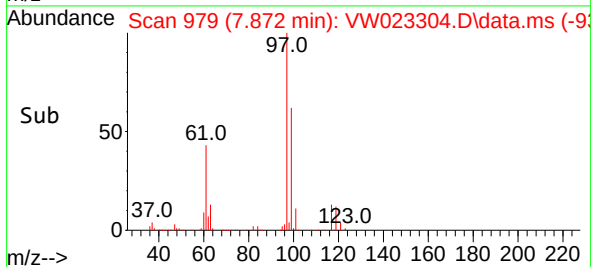
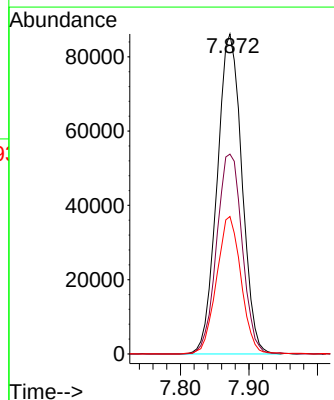
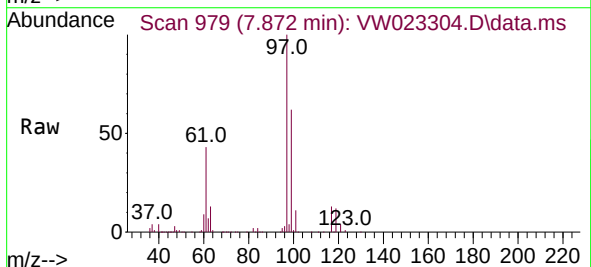


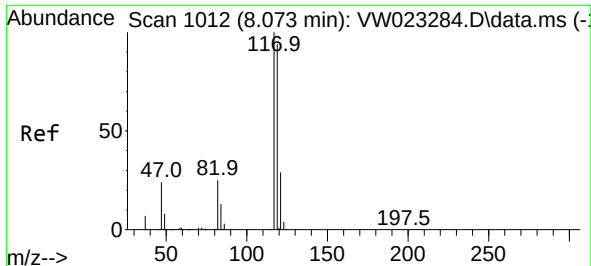
Tgt Ion: 56 Resp: 188986  
Ion Ratio Lower Upper  
56 100  
69 32.1 25.6 38.4  
84 98.6 78.2 117.4



#30  
1,1,1-Trichloroethane  
Concen: 24.547 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion: 97 Resp: 216530  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.0 76.4  
61 42.5 34.8 52.2

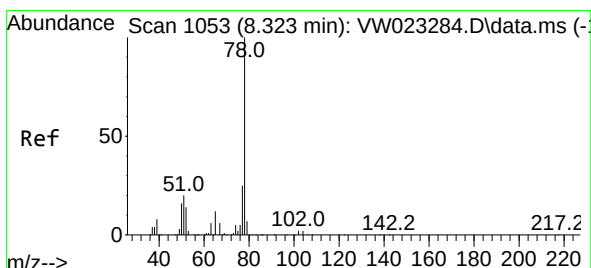
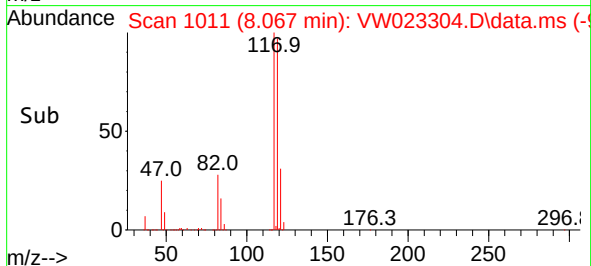
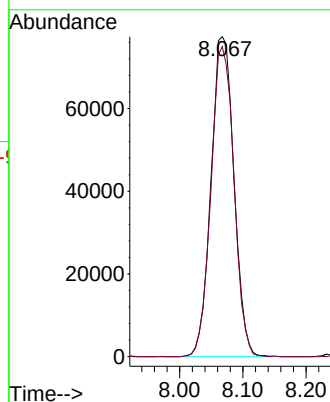
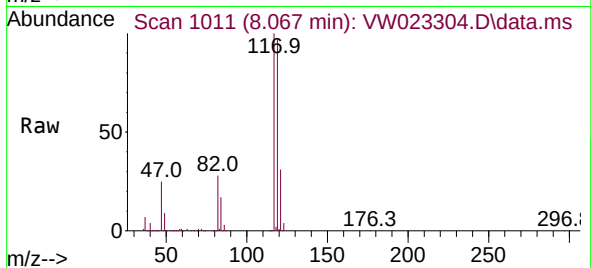




#31  
Carbon tetrachloride  
Concen: 23.593 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

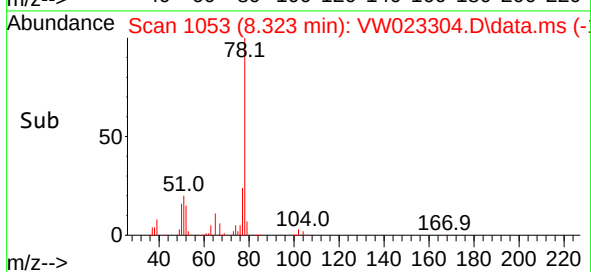
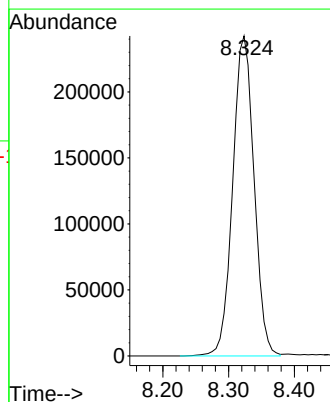
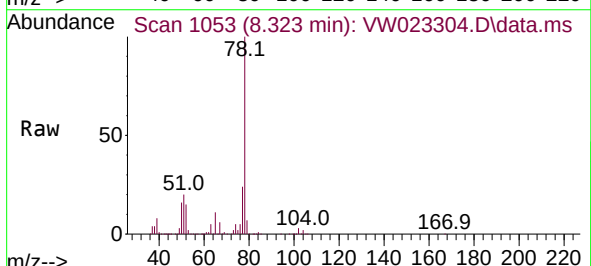
Instrument :  
MSVOA\_W  
ClientSampleId :

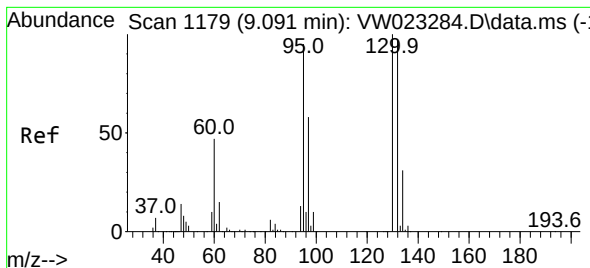
Tgt Ion:117 Resp: 194677  
Ion Ratio Lower Upper  
117 100  
119 96.9 76.6 115.0



#33  
Benzene  
Concen: 24.886 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion: 78 Resp: 547215





#34

Trichloroethene

Concen: 24.613 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 148839

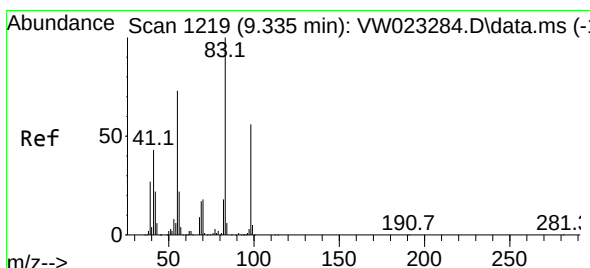
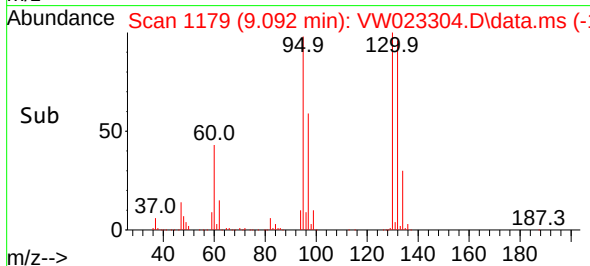
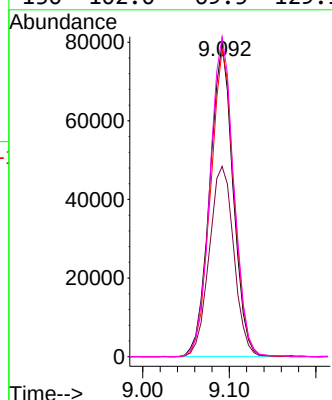
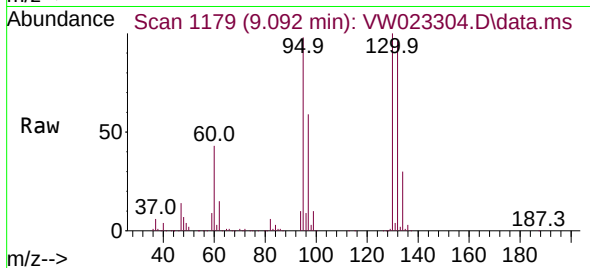
Ion Ratio Lower Upper

95 100

97 60.6 46.1 85.7

132 97.9 66.9 124.3

130 102.0 69.5 129.1



#35

Methylcyclohexane

Concen: 23.296 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

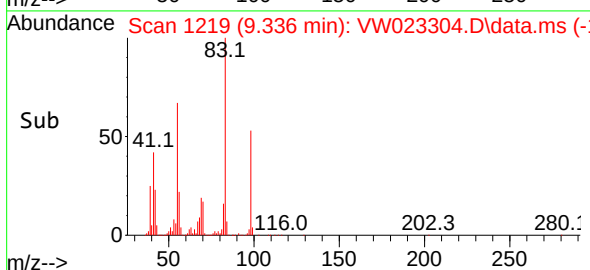
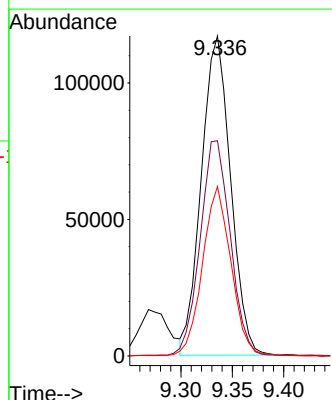
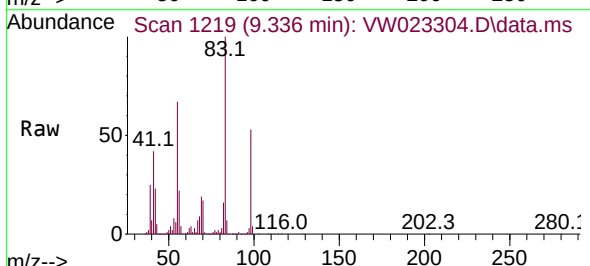
Tgt Ion: 83 Resp: 231438

Ion Ratio Lower Upper

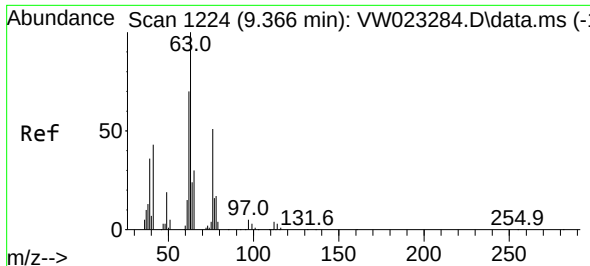
83 100

55 69.6 55.1 82.7

98 51.8 40.4 60.6







#37

1,2-Dichloropropane

Concen: 24.992 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

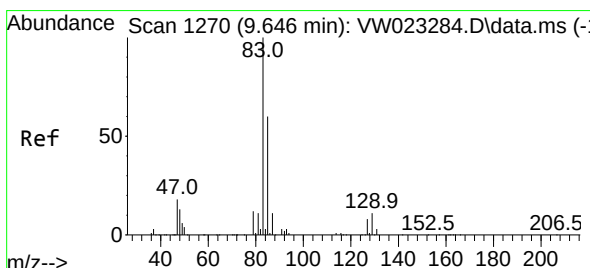
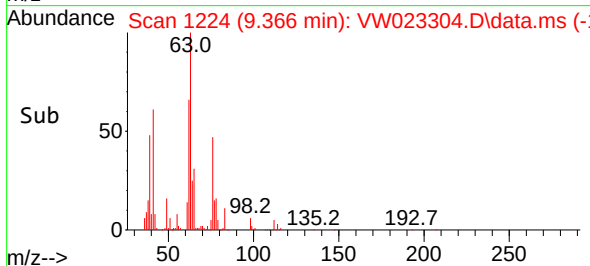
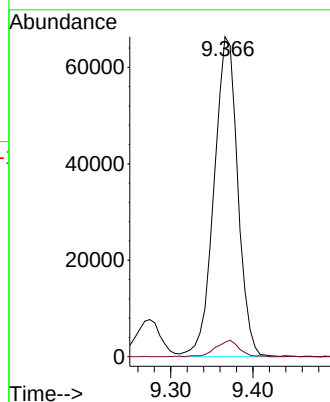
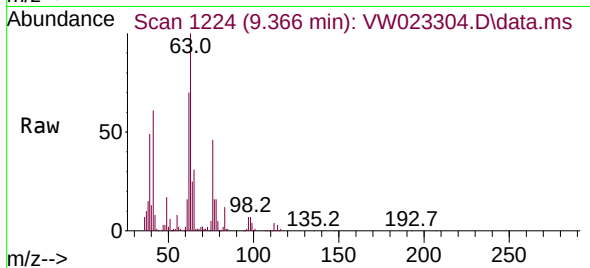
ClientSampleId :

Tgt Ion: 63 Resp: 132991

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



#38

Bromodichloromethane

Concen: 24.473 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

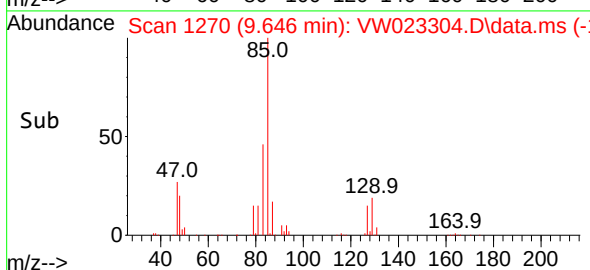
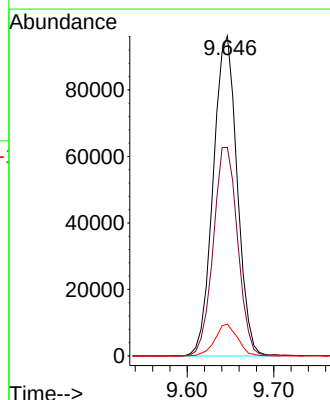
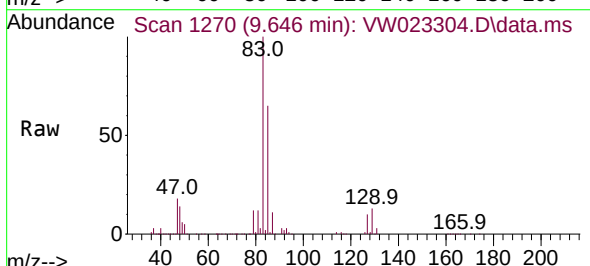
Tgt Ion: 83 Resp: 184971

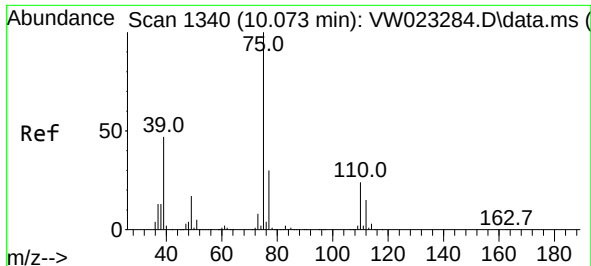
Ion Ratio Lower Upper

83 100

85 65.2 43.5 80.7

127 9.9 7.1 10.7

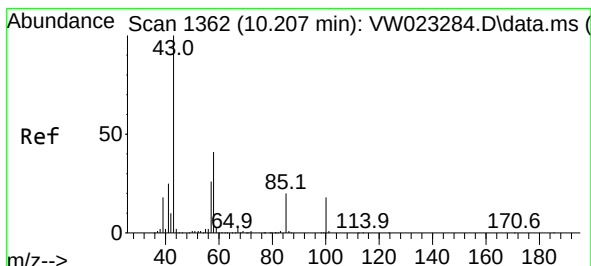
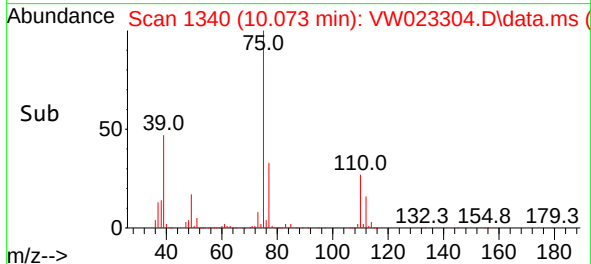
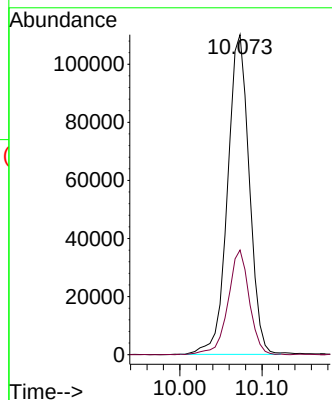
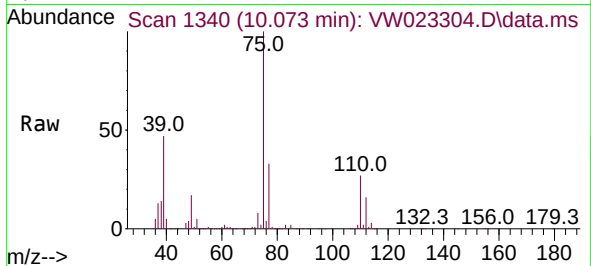




#39  
 cis-1,3-Dichloropropene  
 Concen: 24.462 ug/L  
 RT: 10.073 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VW023304.D  
 Acq: 25 May 2022 05:15

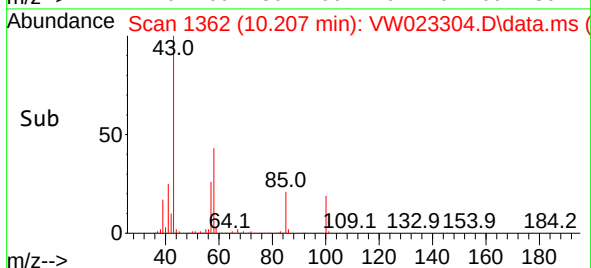
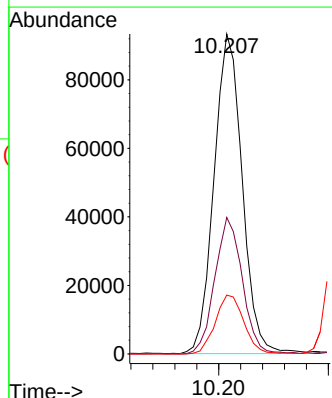
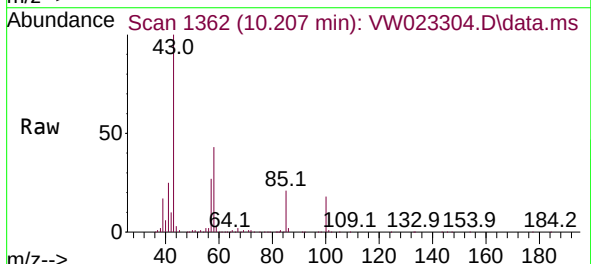
Instrument :  
 MSVOA\_W  
 ClientSampleId :

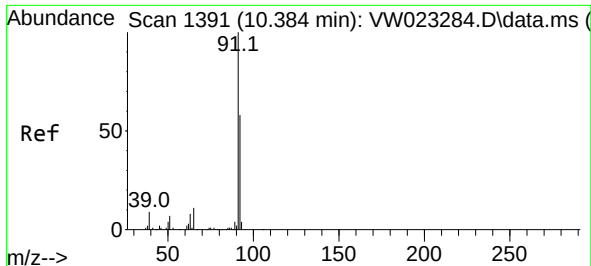
Tgt Ion: 75 Resp: 201841  
 Ion Ratio Lower Upper  
 75 100  
 77 32.7 22.1 41.1



#40  
 4-Methyl-2-pentanone  
 Concen: 49.407 ug/L  
 RT: 10.207 min Scan# 1362  
 Delta R.T. 0.000 min  
 Lab File: VW023304.D  
 Acq: 25 May 2022 05:15

Tgt Ion: 43 Resp: 165712  
 Ion Ratio Lower Upper  
 43 100  
 58 42.0 31.4 47.2  
 100 18.9 14.2 21.4

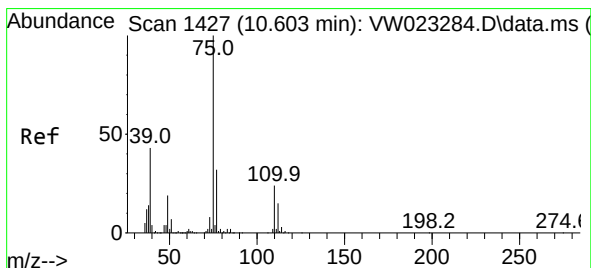
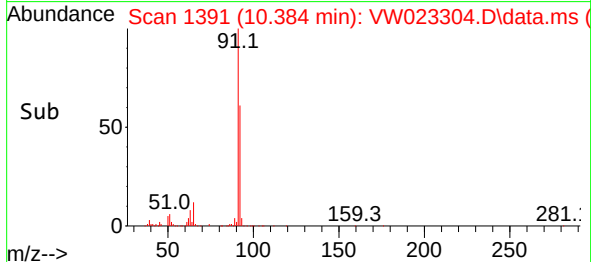
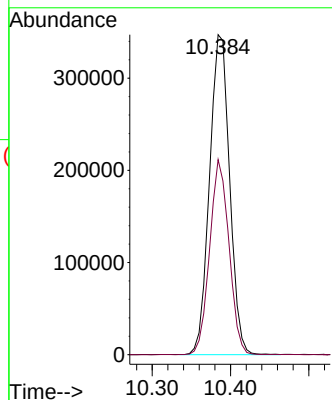
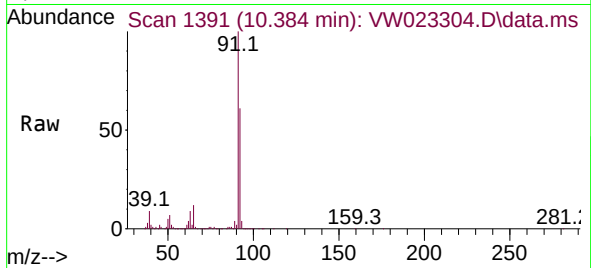




#42  
Toluene  
Concen: 25.093 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

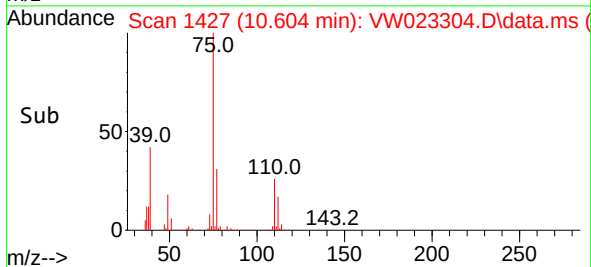
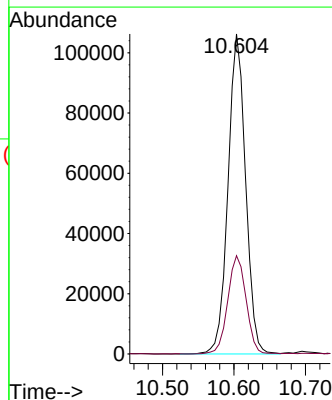
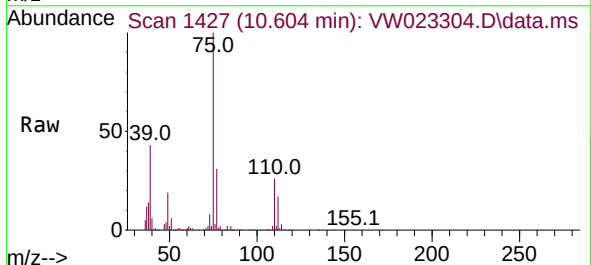
Instrument :  
MSVOA\_W  
ClientSampleId :

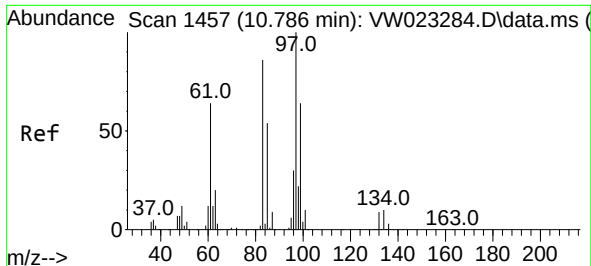
Tgt Ion: 91 Resp: 618371  
Ion Ratio Lower Upper  
91 100  
92 60.9 41.6 77.2



#44  
trans-1,3-Dichloropropene  
Concen: 24.593 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion: 75 Resp: 181118  
Ion Ratio Lower Upper  
75 100  
77 30.7 22.0 40.8

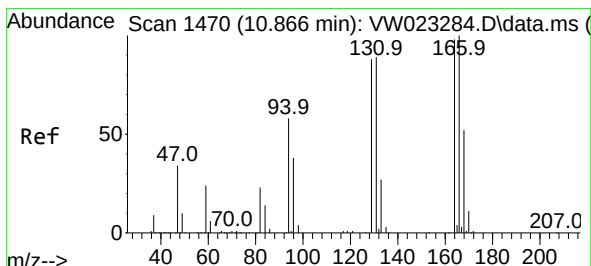
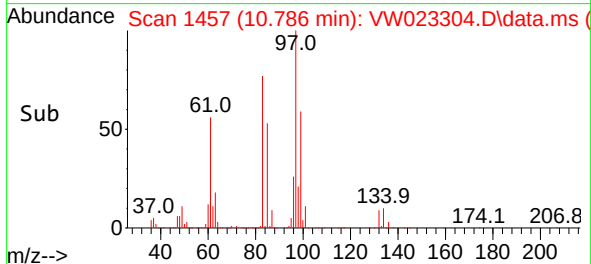
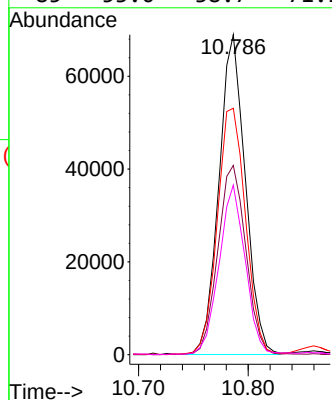
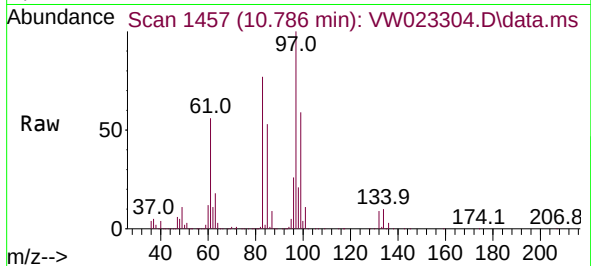




#45  
1,1,2-Trichloroethane  
Concen: 25.927 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

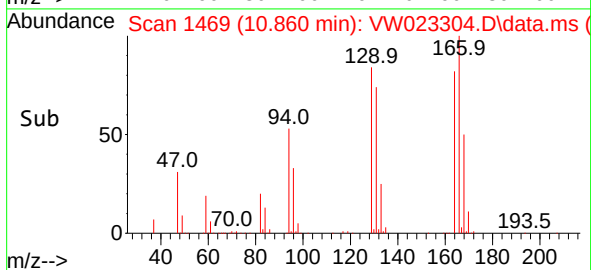
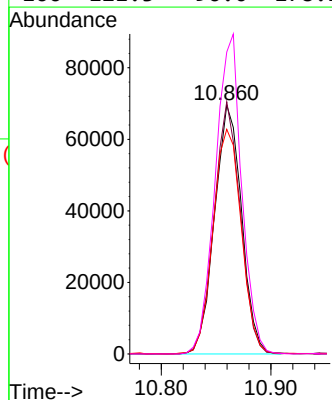
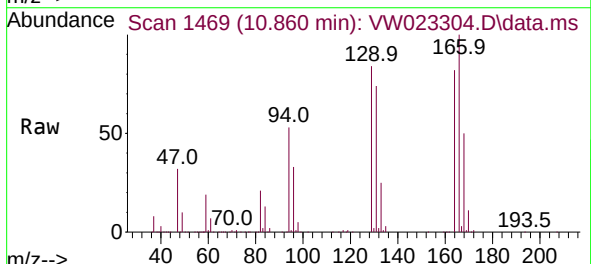
Instrument :  
MSVOA\_W  
ClientSampleId :

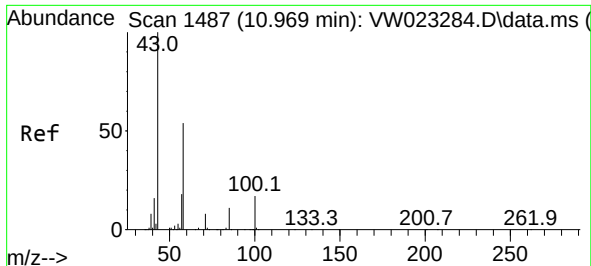
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 115336 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 59.2  | 44.7  | 82.9   |
| 83       | 77.0  | 58.4  | 108.4  |
| 85       | 53.0  | 38.7  | 71.9   |



#46  
Tetrachloroethene  
Concen: 26.178 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

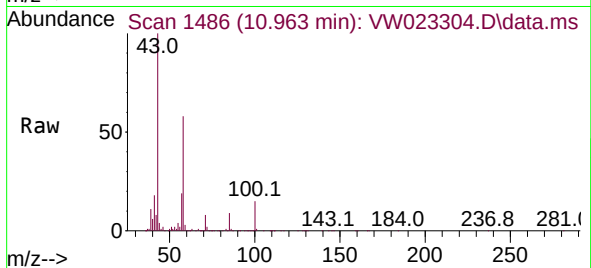
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 118967 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 101.3 | 76.9  | 142.7  |
| 131      | 90.3  | 75.1  | 139.5  |
| 166      | 121.3 | 96.0  | 178.2  |



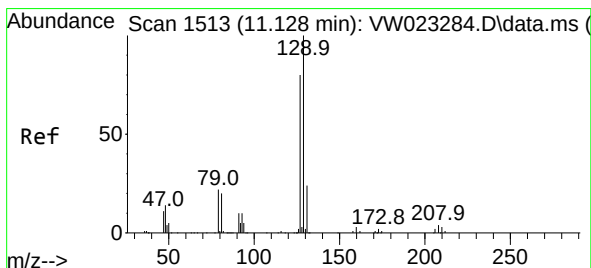
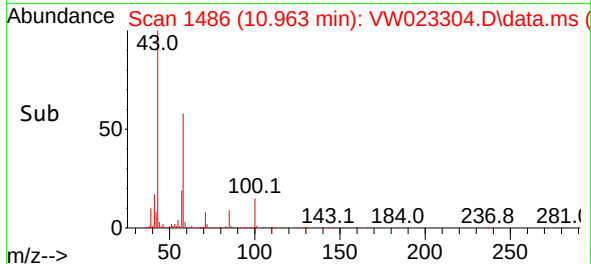
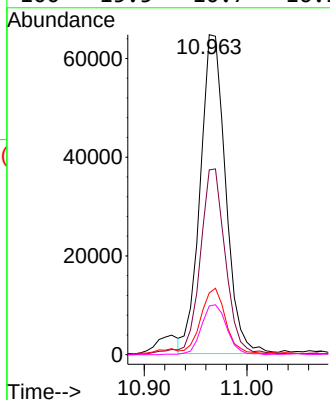


#48  
2-Hexanone  
Concen: 49.636 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Instrument :  
MSVOA\_W  
ClientSampleId :

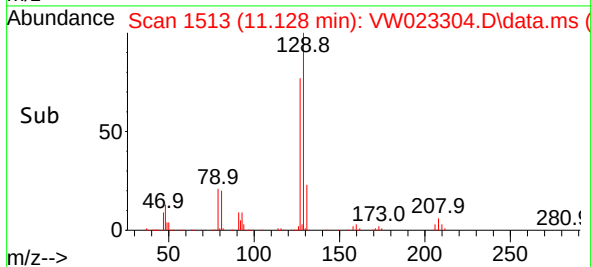
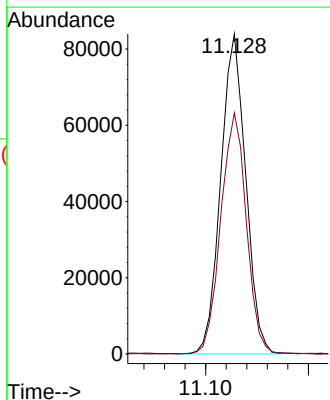
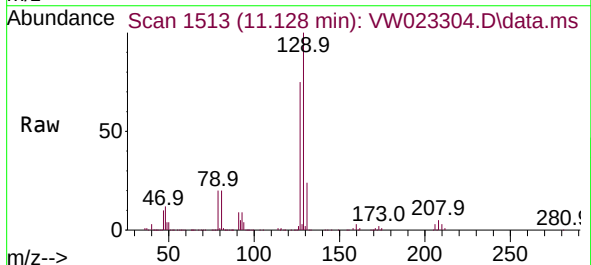


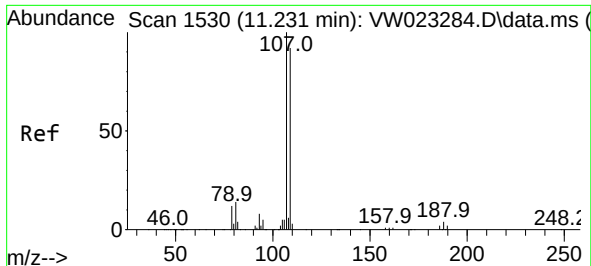
Tgt Ion: 43 Resp: 111234  
Ion Ratio Lower Upper  
43 100  
58 57.2 45.9 68.9  
57 20.2 16.2 24.2  
100 15.5 10.7 16.1



#49  
Dibromochloromethane  
Concen: 26.460 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion: 129 Resp: 141663  
Ion Ratio Lower Upper  
129 100  
127 75.3 53.8 100.0

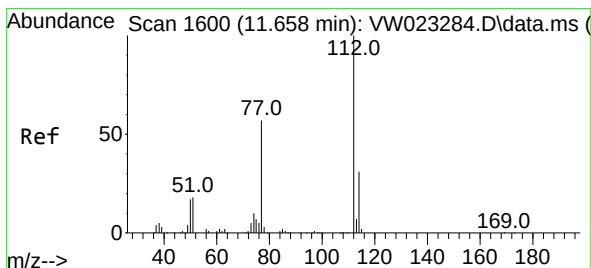
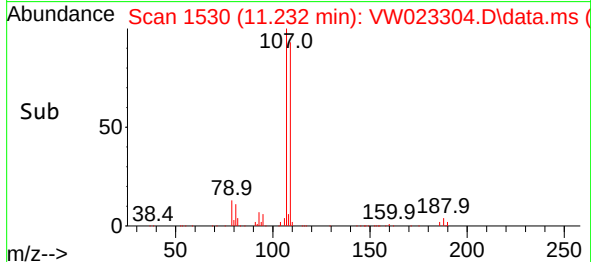
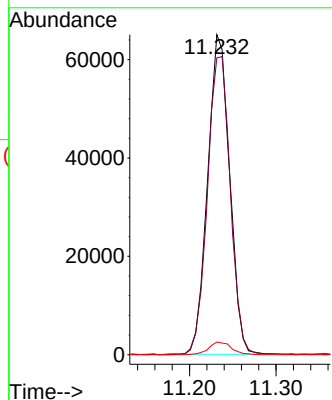
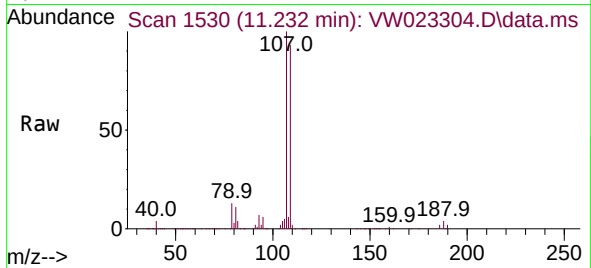




#50  
1,2-Dibromoethane  
Concen: 25.635 ug/L  
RT: 11.232 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

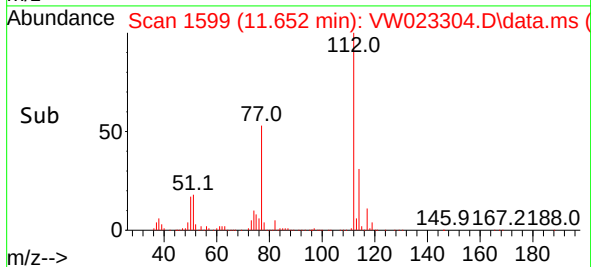
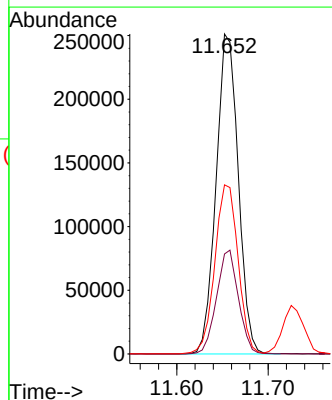
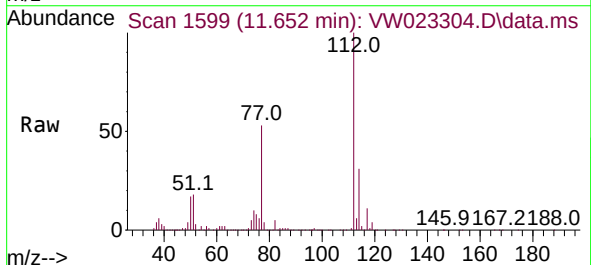
Instrument :  
MSVOA\_W  
ClientSampleId :

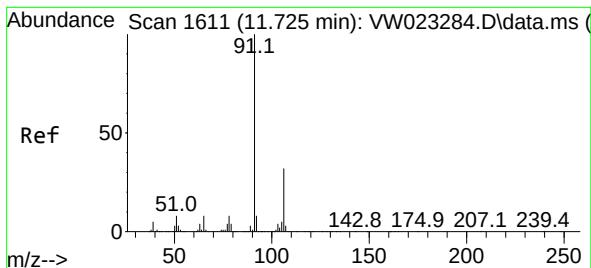
Tgt Ion:107 Resp: 114507  
Ion Ratio Lower Upper  
107 100  
109 92.8 67.5 125.4  
188 4.0 2.9 4.3



#51  
Chlorobenzene  
Concen: 26.142 ug/L  
RT: 11.652 min Scan# 1599  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion:112 Resp: 424701  
Ion Ratio Lower Upper  
112 100  
114 31.2 22.0 41.0  
77 52.8 42.6 63.8





#52

Ethylbenzene

Concen: 25.395 ug/L

RT: 11.725 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

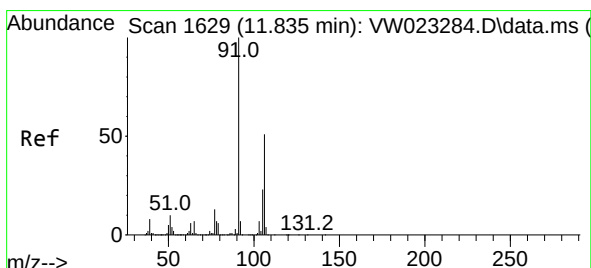
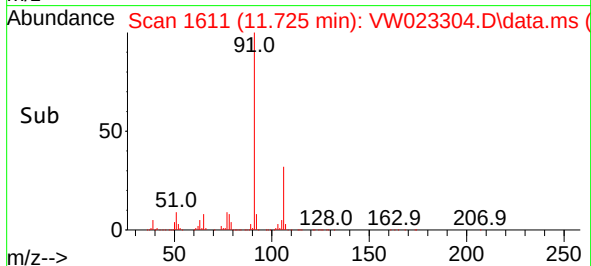
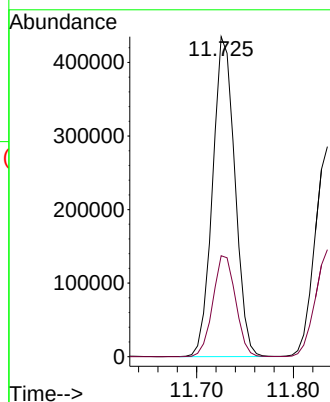
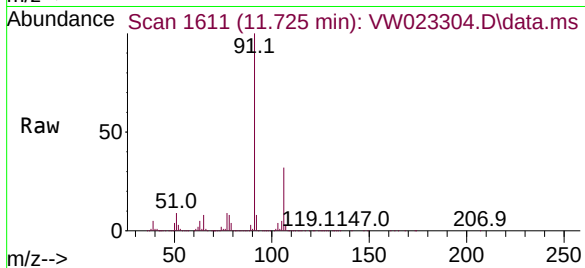
ClientSampleId :

Tgt Ion: 91 Resp: 696223

Ion Ratio Lower Upper

91 100

106 31.5 22.3 41.3



#53

m,p-Xylene

Concen: 25.926 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VW023304.D

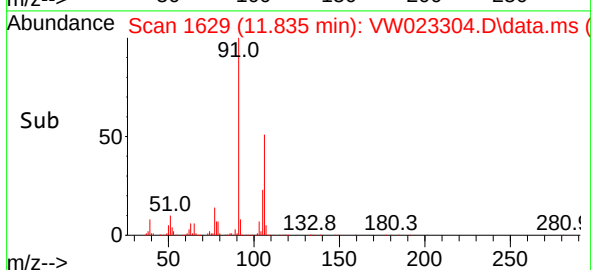
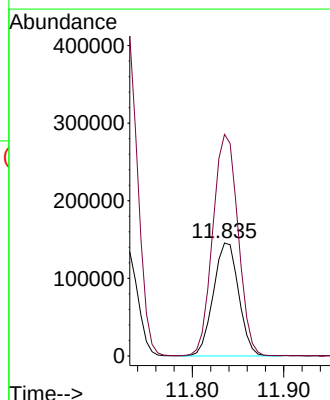
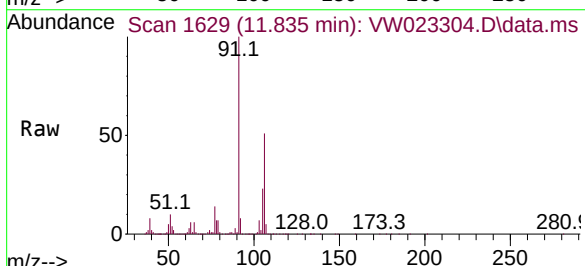
Acq: 25 May 2022 05:15

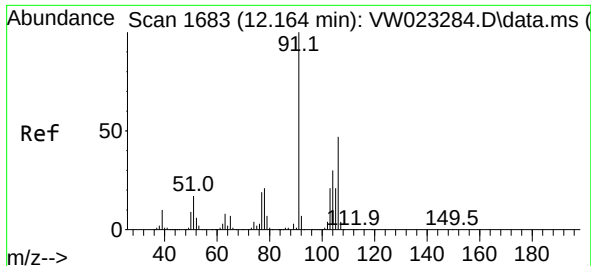
Tgt Ion:106 Resp: 280071

Ion Ratio Lower Upper

106 100

91 196.3 136.8 254.0

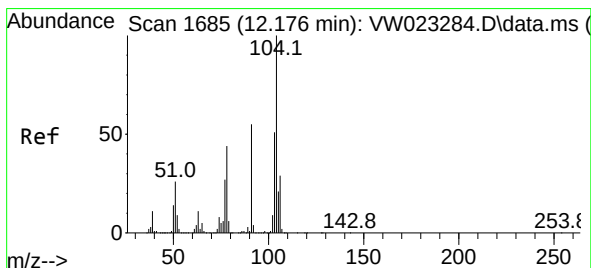
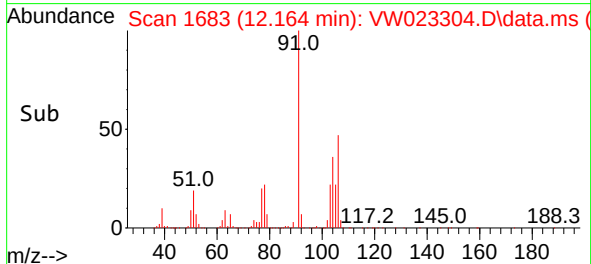
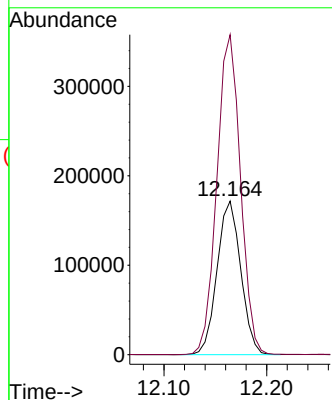
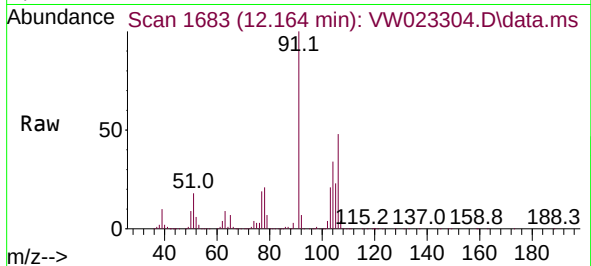




#54  
o-Xylene  
Concen: 26.524 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

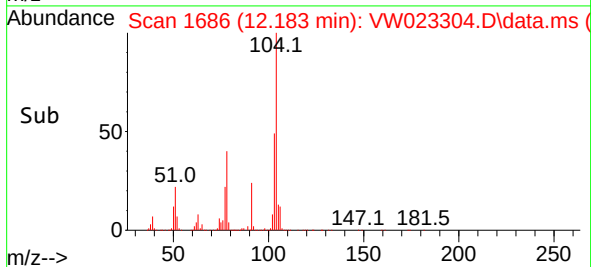
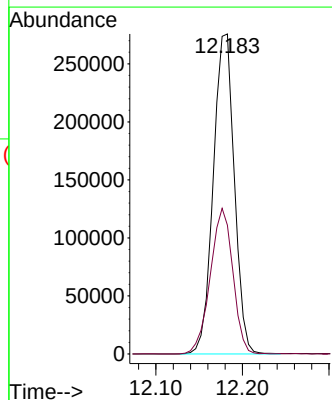
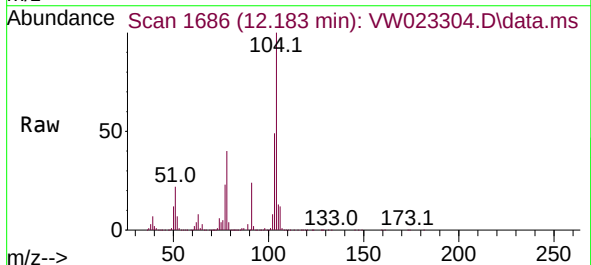
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 274956  
Ion Ratio Lower Upper  
106 100  
91 208.4 147.2 273.4

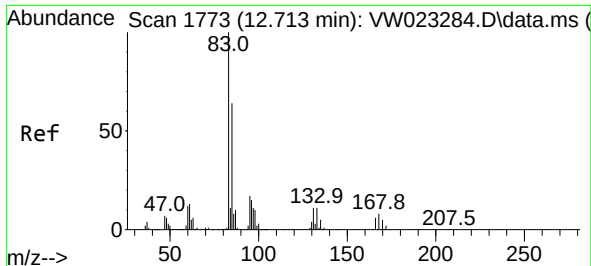


#55  
Styrene  
Concen: 26.468 ug/L  
RT: 12.183 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion:104 Resp: 466233  
Ion Ratio Lower Upper  
104 100  
78 40.3 32.3 59.9







#57

1,1,2,2-Tetrachloroethane

Concen: 25.070 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023304.D

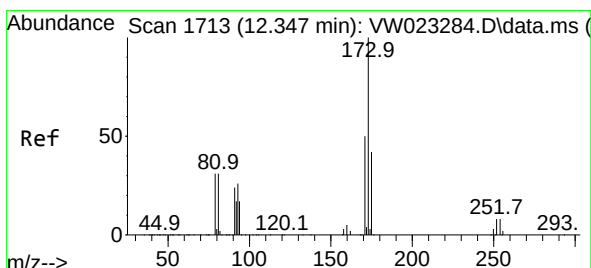
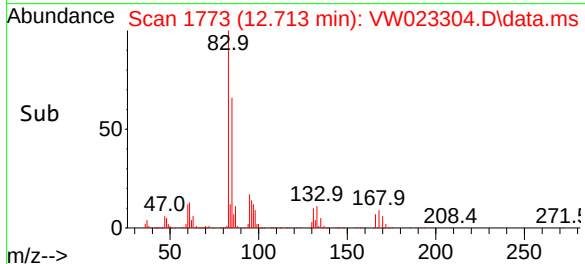
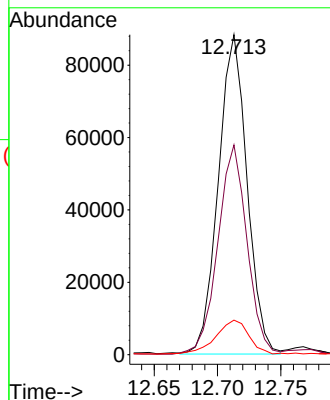
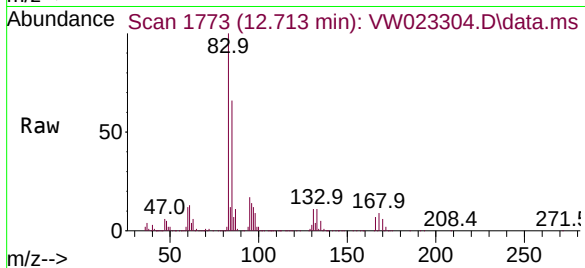
Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

ClientSampleId :

|             |              |
|-------------|--------------|
| Tgt Ion: 83 | Resp: 139295 |
| Ion Ratio   | Lower Upper  |
| 83 100      |              |
| 85 65.5     | 47.5 88.1    |
| 131 10.8    | 8.7 13.1     |



#59

Bromoform

Concen: 26.194 ug/L

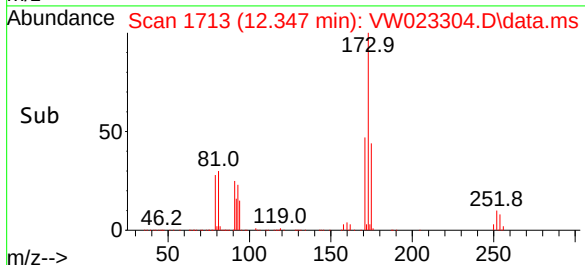
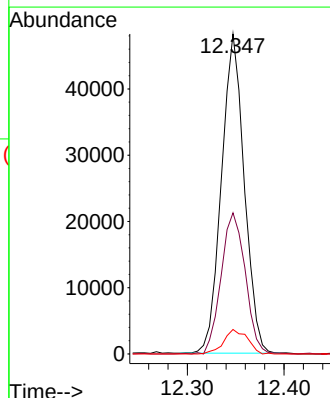
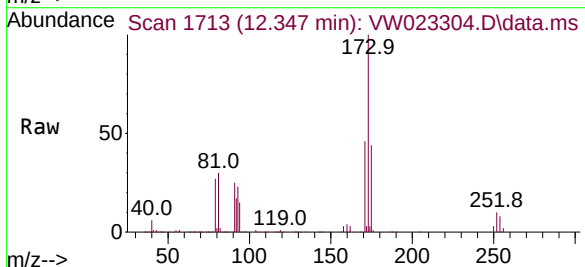
RT: 12.347 min Scan# 1713

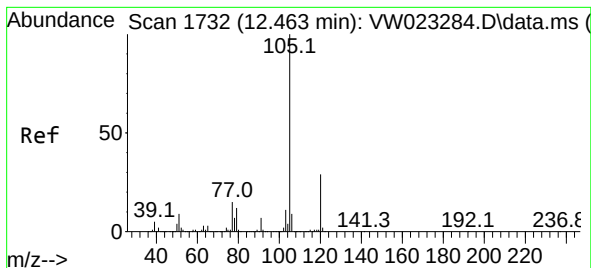
Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:173 | Resp: 78653 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 173 100     |             |       |  |
| 175 46.8    | 38.1        | 57.1  |  |
| 254 7.9     | 6.5         | 9.7   |  |





#60

Isopropylbenzene

Concen: 24.820 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023304.D

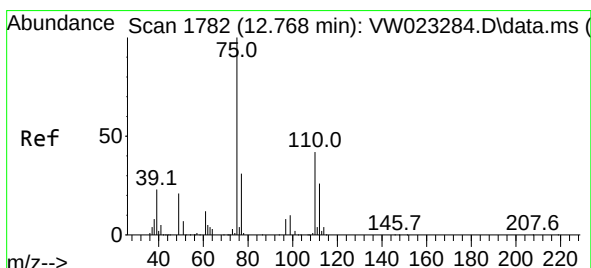
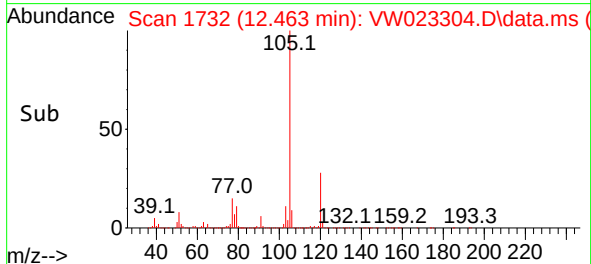
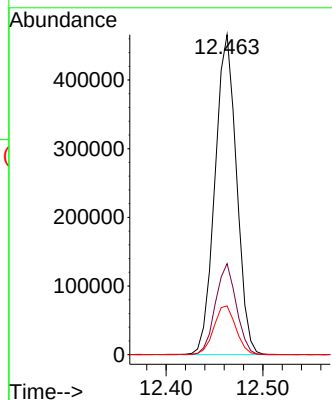
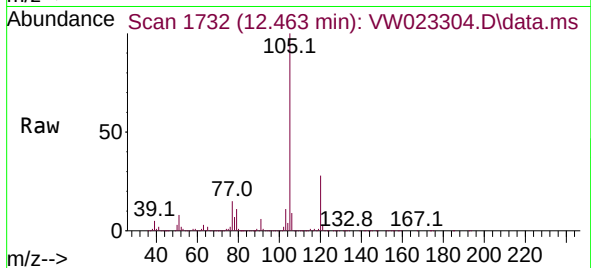
Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 720451 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 27.6  | 21.3  | 31.9   |
| 77       | 15.5  | 12.6  | 19.0   |



#61

1,2,3-Trichloropropane

Concen: 23.667 ug/L

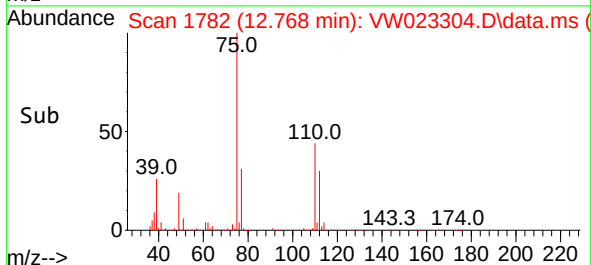
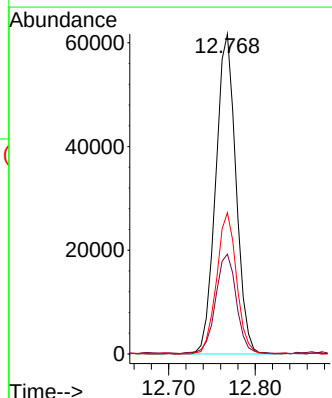
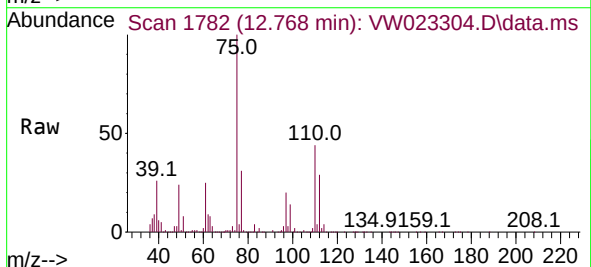
RT: 12.768 min Scan# 1782

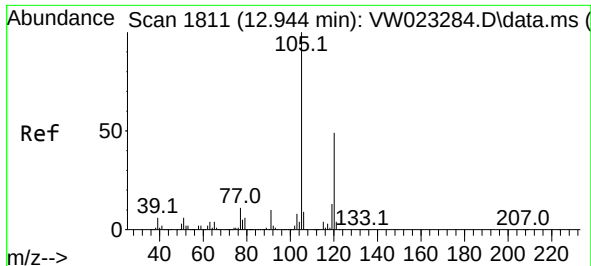
Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 100196 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 31.7  | 26.2  | 39.2   |
| 110      | 43.6  | 34.1  | 51.1   |





#62

1,3,5-Trimethylbenzene

Concen: 25.614 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

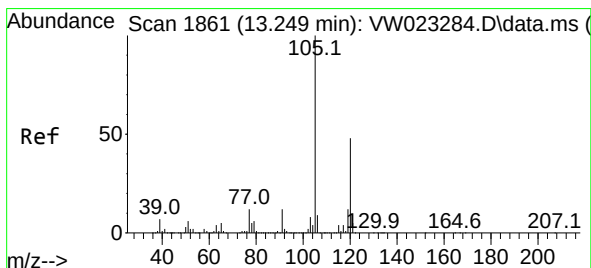
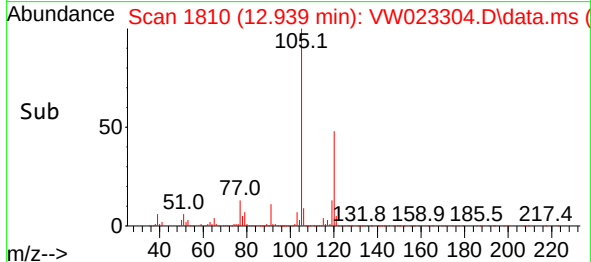
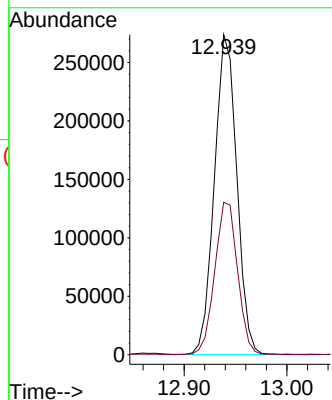
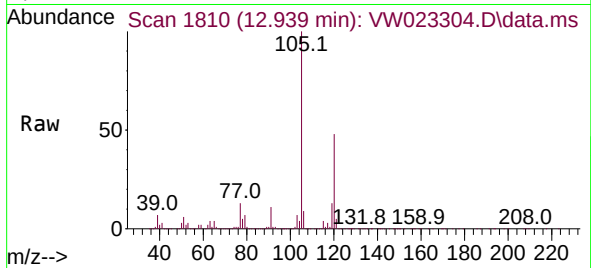
ClientSampleId :

Tgt Ion:105 Resp: 413628

Ion Ratio Lower Upper

105 100

120 48.6 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 26.038 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023304.D

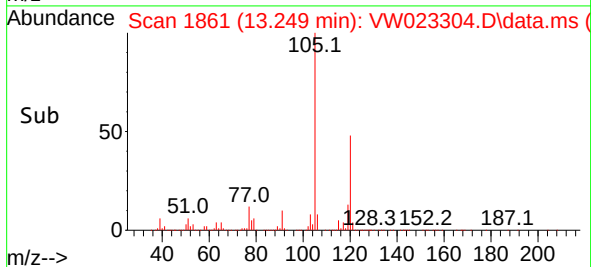
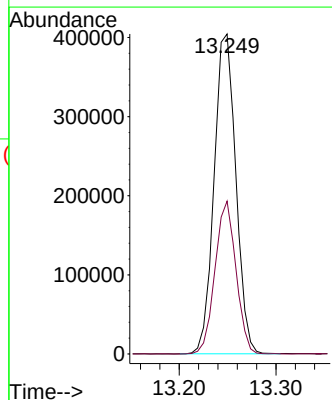
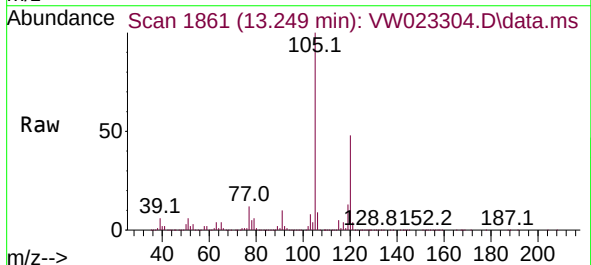
Acq: 25 May 2022 05:15

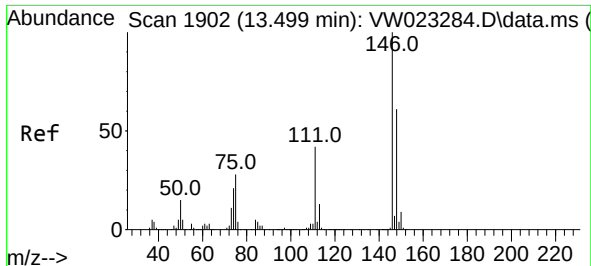
Tgt Ion:105 Resp: 631356

Ion Ratio Lower Upper

105 100

120 46.0 37.4 56.2

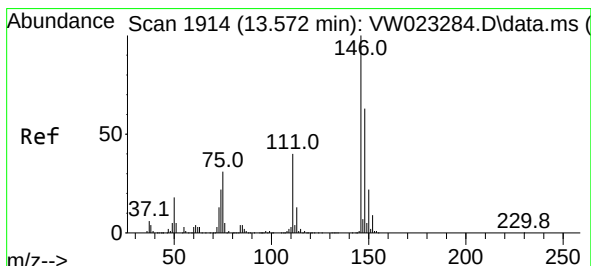
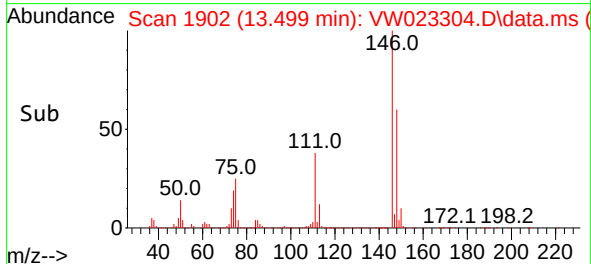
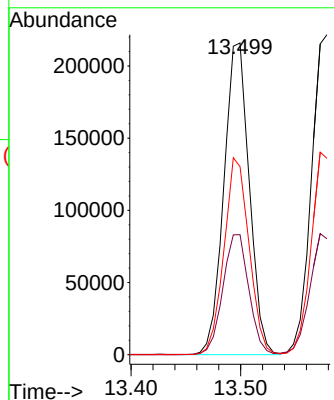
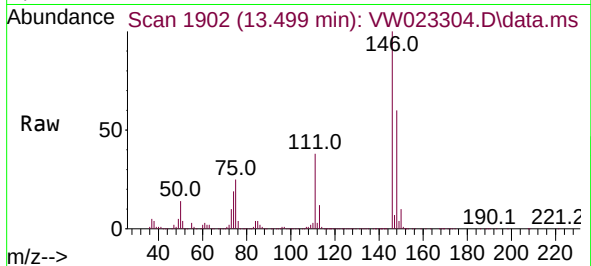




#64  
1,3-Dichlorobenzene  
Concen: 26.861 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

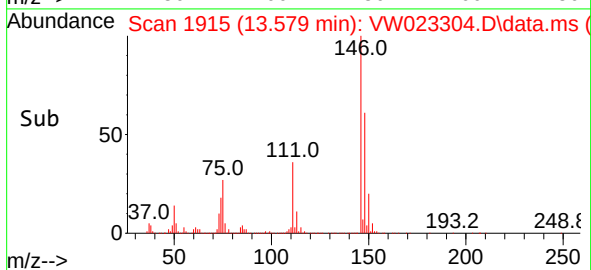
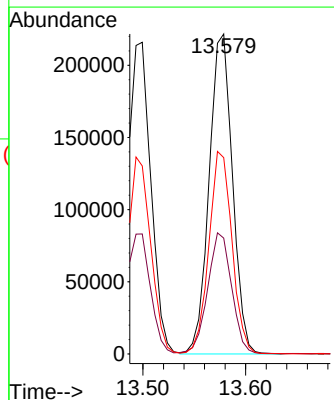
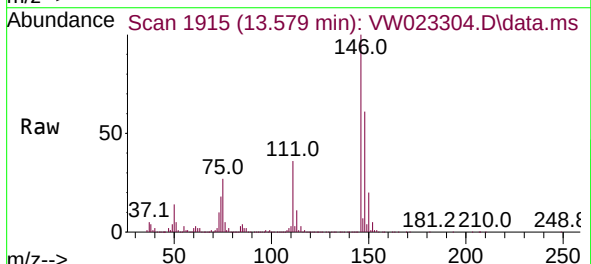
Instrument :  
MSVOA\_W  
ClientSampleId :

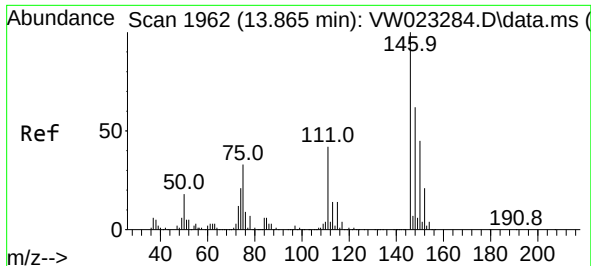
Tgt Ion:146 Resp: 348106  
Ion Ratio Lower Upper  
146 100  
111 38.5 29.5 54.9  
148 60.3 48.6 90.2



#65  
1,4-Dichlorobenzene  
Concen: 26.178 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Tgt Ion:146 Resp: 350420  
Ion Ratio Lower Upper  
146 100  
111 36.2 27.2 50.4  
148 61.3 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 25.564 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

Instrument :

MSVOA\_W

ClientSampleId :

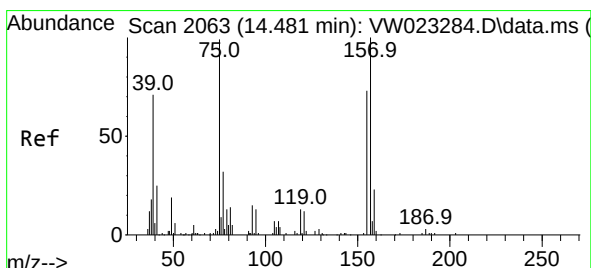
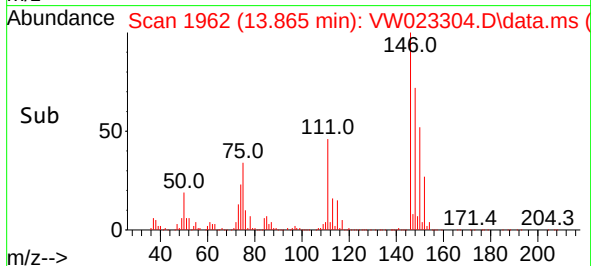
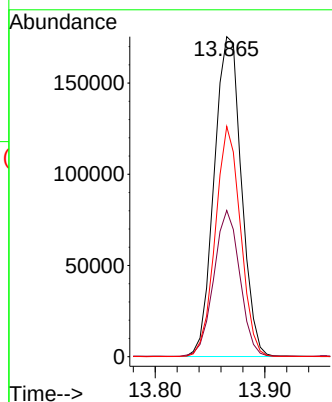
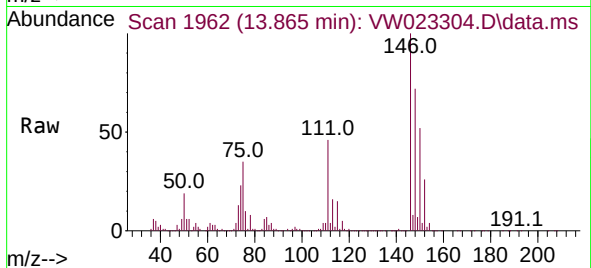
Tgt Ion:146 Resp: 303164

Ion Ratio Lower Upper

146 100

111 45.7 35.7 53.5

148 71.9 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.477 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023304.D

Acq: 25 May 2022 05:15

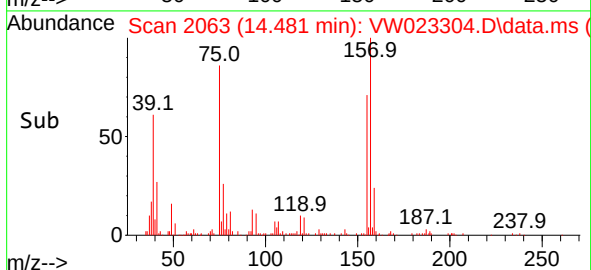
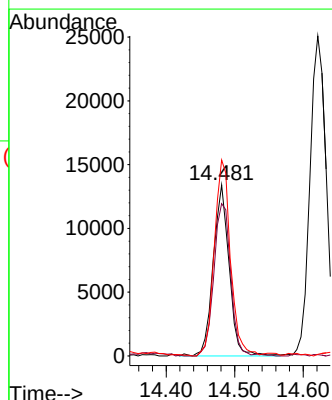
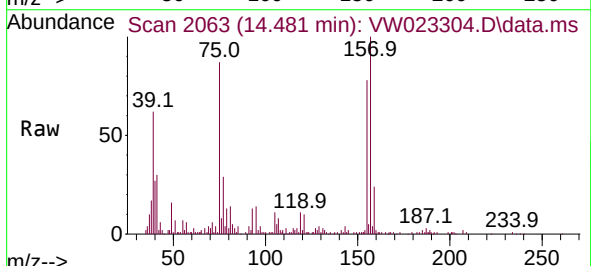
Tgt Ion: 75 Resp: 21722

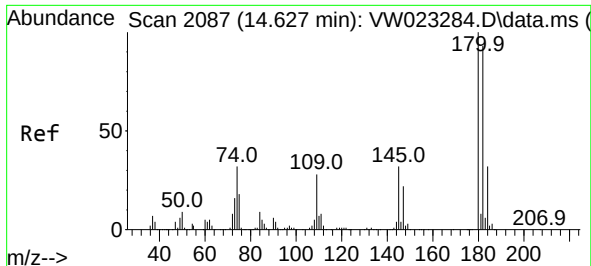
Ion Ratio Lower Upper

75 100

155 89.0 59.3 88.9#

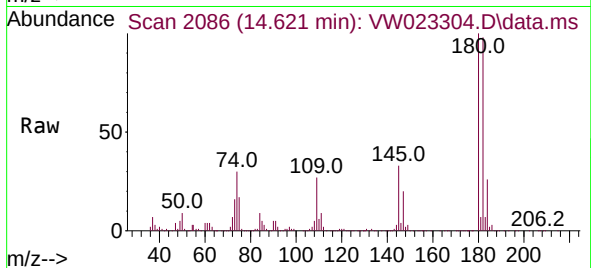
157 114.5 89.8 134.8



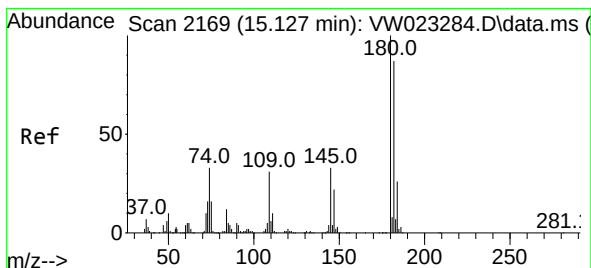
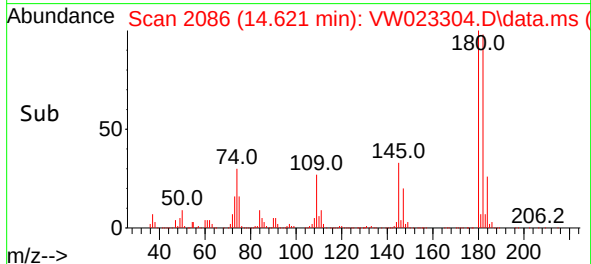
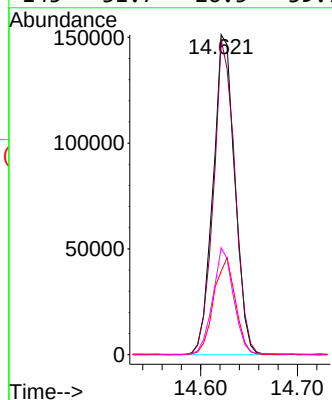


#69  
 1,3,5-Trichlorobenzene  
 Concen: 27.460 ug/L  
 RT: 14.621 min Scan# 2086  
 Delta R.T. -0.006 min  
 Lab File: VW023304.D  
 Acq: 25 May 2022 05:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :

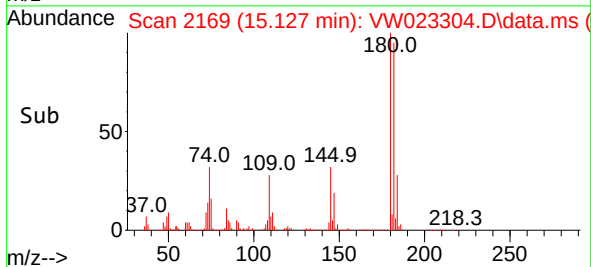
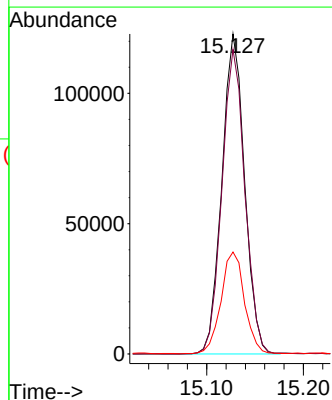
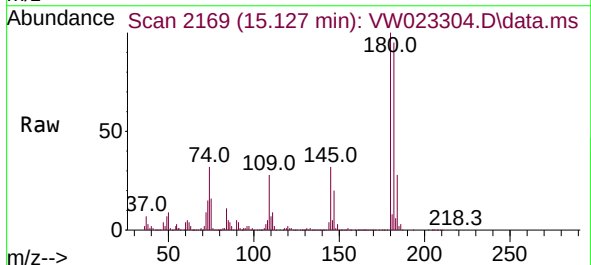


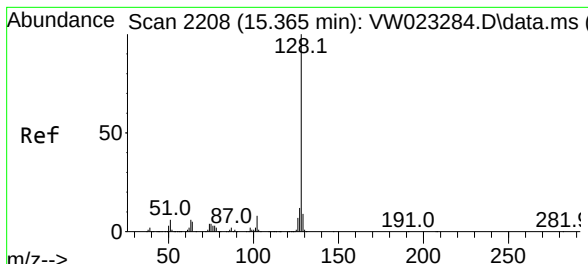
Tgt Ion:180 Resp: 236221  
 Ion Ratio Lower Upper  
 180 100  
 182 96.6 74.8 112.2  
 184 30.2 23.4 35.2  
 145 31.7 26.5 39.7



#70  
 1,2,4-trichlorobenzene  
 Concen: 28.938 ug/L  
 RT: 15.127 min Scan# 2169  
 Delta R.T. 0.000 min  
 Lab File: VW023304.D  
 Acq: 25 May 2022 05:15

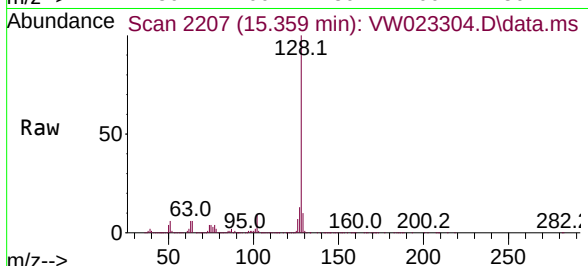
Tgt Ion:180 Resp: 200248  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 74.9 112.3  
 145 33.0 26.6 39.8



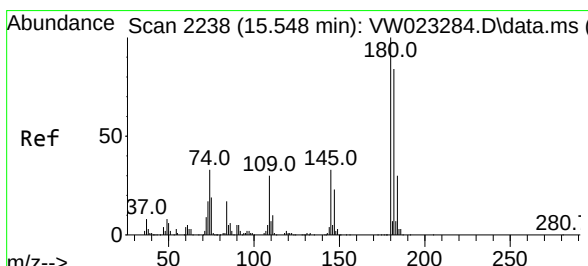
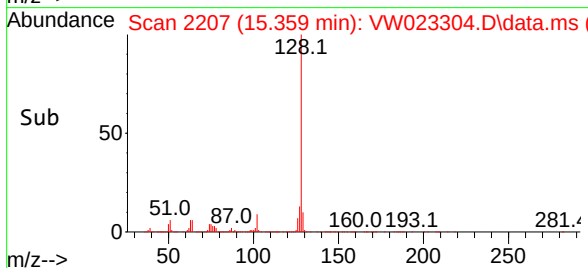
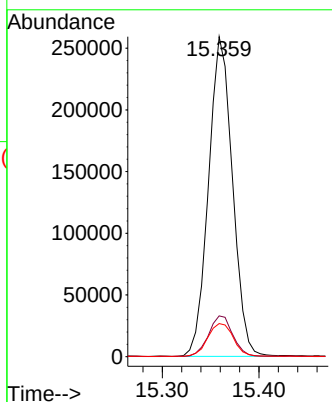


#71  
Naphthalene  
Concen: 29.639 ug/L  
RT: 15.359 min Scan# 2207  
Delta R.T. -0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

Instrument :  
MSVOA\_W  
ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 445774 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.6  | 16.0   |
| 129       | 10.9  | 8.7   | 13.1   |



#72  
1,2,3-Trichlorobenzene  
Concen: 28.314 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.006 min  
Lab File: VW023304.D  
Acq: 25 May 2022 05:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 173650 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.4  | 73.5  | 110.3  |
| 145       | 35.2  | 27.9  | 41.9   |

