

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122821\  
 Data File : VW021671.D  
 Acq On : 28 Dec 2021 13:10  
 Operator : SY/VA  
 Sample : VSTDICV025  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 29 00:17:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM122821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Dec 28 12:18:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 103273     | 25.000  | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 102423     | 25.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 60874      | 25.000  | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 2.349          | 65   | 48923      | 24.027  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 96.120% |       |          |
| 7) Chloroethane-d5            | 2.885          | 69   | 32646      | 23.804  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 95.200% |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 68960      | 23.143  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 92.560% |       |          |
| 21) 2-Butanone-d5             | 7.086          | 46   | 13916      | 46.714  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 93.420% |       |          |
| 24) Chloroform-d              | 7.647          | 84   | 74415      | 23.067  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 92.280% |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 40255      | 23.632  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 94.520% |       |          |
| 32) Benzene-d6                | 8.275          | 84   | 140394     | 23.085  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 92.320% |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 38569      | 23.378  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 93.520% |       |          |
| 41) Toluene-d8                | 10.323         | 98   | 139741     | 23.062  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 92.240% |       |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 19299      | 24.040  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 96.160% |       |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 11986      | 47.904  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 95.800% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 33329      | 24.504  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 98.000% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 55091      | 23.666  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 94.680% |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007          | 85   | 16418      | 26.811  | ug/L  | 98       |
| 3) Chloromethane              | 2.209          | 50   | 38372      | 24.260  | ug/L  | 98       |
| 5) Vinyl chloride             | 2.355          | 62   | 53030      | 22.733  | ug/L  | 96       |
| 6) Bromomethane               | 2.776          | 94   | 37559      | 24.745  | ug/L  | 99       |
| 8) Chloroethane               | 2.922          | 64   | 25398      | 22.848  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.357          | 101  | 41823      | 29.798  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062          | 101  | 38043      | 22.255  | ug/L  | 89       |
| 12) 1,1-Dichloroethene        | 4.031          | 96   | 34827      | 22.780  | ug/L  | 79       |
| 13) Acetone                   | 4.147          | 43   | 11105      | 43.904  | ug/L  | 97       |
| 14) Carbon disulfide          | 4.379          | 76   | 102680     | 23.209  | ug/L  | 100      |
| 15) Methyl Acetate            | 4.678          | 43   | 11679      | 24.200  | ug/L  | # 88     |
| 16) Methylene chloride        | 4.909          | 84   | 36649      | 19.879  | ug/L  | 81       |
| 17) trans-1,2-Dichloroethene  | 5.421          | 96   | 37581      | 23.269  | ug/L  | 84       |
| 18) Methyl tert-butyl Ether   | 5.434          | 73   | 53978      | 24.002  | ug/L  | 94       |
| 19) 1,1-Dichloroethane        | 6.214          | 63   | 58121      | 23.066  | ug/L  | 96       |
| 20) cis-1,2-Dichloroethene    | 7.165          | 96   | 38694      | 23.080  | ug/L  | 73       |
| 22) 2-Butanone                | 7.177          | 43   | 15519      | 45.131  | ug/L  | 87       |
| 23) Bromochloromethane        | 7.513          | 128  | 19033      | 23.486  | ug/L  | # 65     |
| 25) Chloroform                | 7.677          | 83   | 67018      | 23.057  | ug/L  | 96       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Dec 29 00:17:52 2021  
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 Quant Title : SFAM01.0  
 QLast Update : Tue Dec 28 12:18:38 2021  
 Response via : Initial Calibration

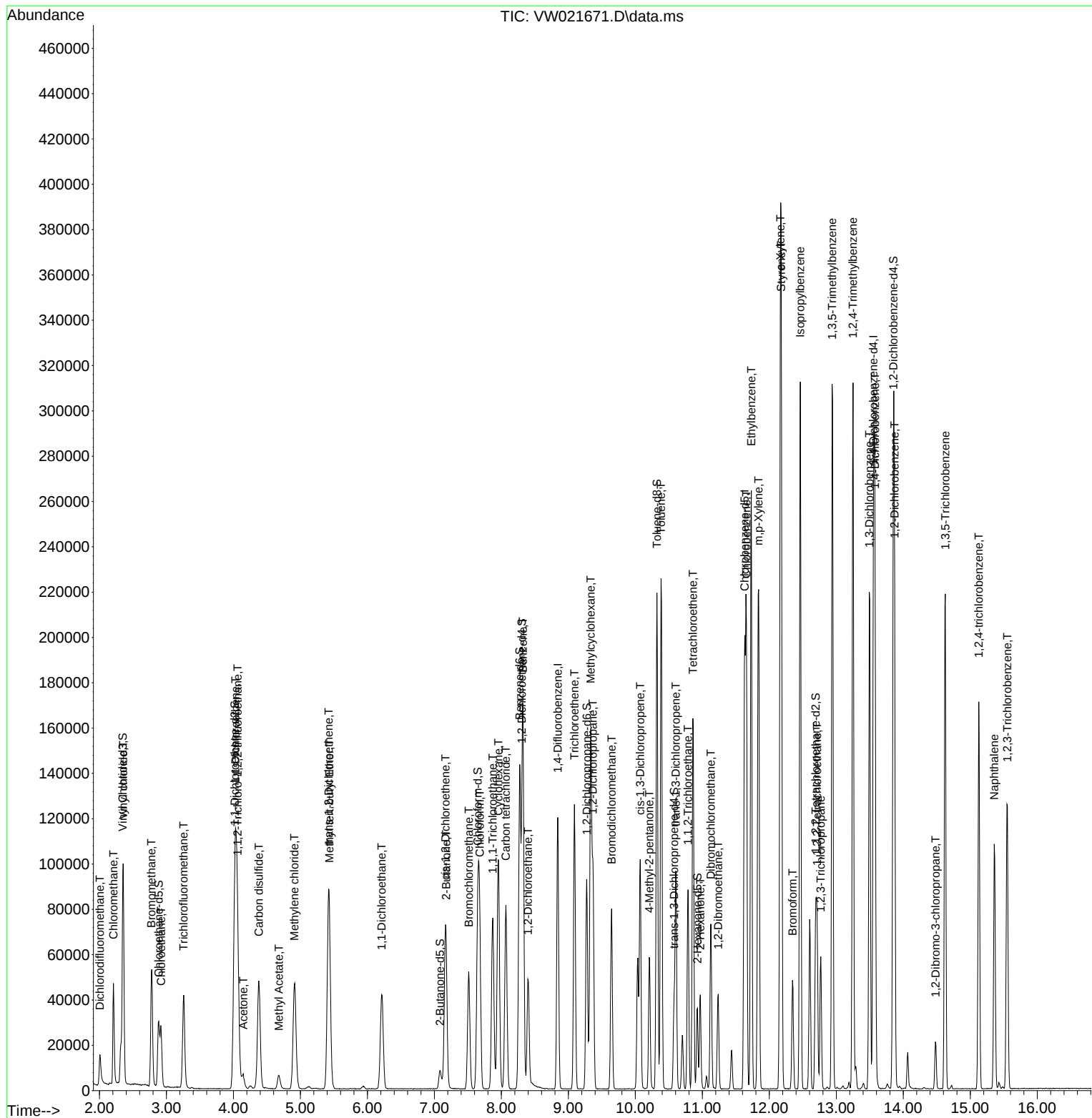
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 43826    | 23.246 | ug/L   | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 53273    | 22.492 | ug/L # | 81       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 60872    | 22.525 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 59594    | 22.678 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 143105   | 22.899 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 40798    | 22.997 | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 65534    | 22.389 | ug/L # | 84       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 32092    | 23.171 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.646  | 83   | 50375    | 23.830 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 55014    | 24.311 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 35617    | 46.683 | ug/L # | 91       |
| 42) Toluene                   | 10.384 | 91   | 163576   | 22.675 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 49087    | 24.143 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 26567    | 23.094 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.859 | 164  | 36515    | 21.979 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 25792    | 49.779 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 37511    | 24.269 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 26879    | 23.265 | ug/L # | 88       |
| 51) Chlorobenzene             | 11.658 | 112  | 110327   | 23.703 | ug/L   | 89       |
| 52) Ethylbenzene              | 11.731 | 91   | 183742   | 22.690 | ug/L   | 94       |
| 53) m,p-Xylene                | 11.841 | 106  | 74962    | 23.103 | ug/L   | 90       |
| 54) o-Xylene                  | 12.164 | 106  | 68629    | 22.316 | ug/L   | 93       |
| 55) Styrene                   | 12.176 | 104  | 123864   | 23.452 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 30748    | 24.163 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 22555    | 25.388 | ug/L # | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 196177   | 23.118 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 22228    | 23.862 | ug/L # | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 166110   | 23.154 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 166025   | 23.298 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 92302    | 23.038 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 91742    | 22.964 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 77518    | 22.161 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 4976     | 24.260 | ug/L # | 73       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 70114    | 23.822 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 52905    | 22.520 | ug/L   | 97       |
| 71) Naphthalene               | 15.359 | 128  | 94149    | 24.631 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 44569    | 22.537 | ug/L   | 98       |

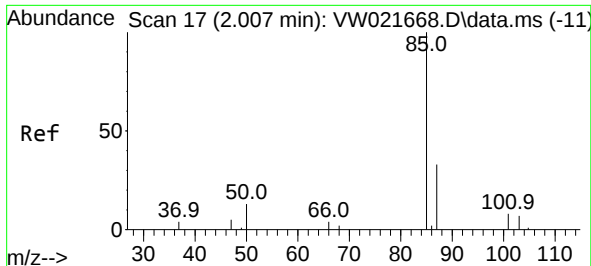
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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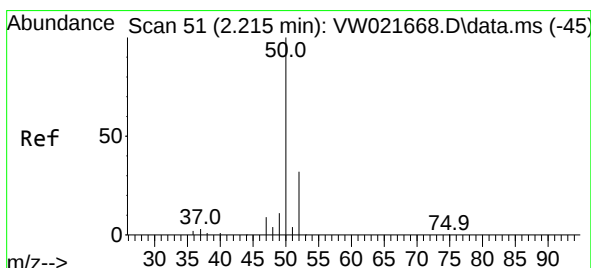
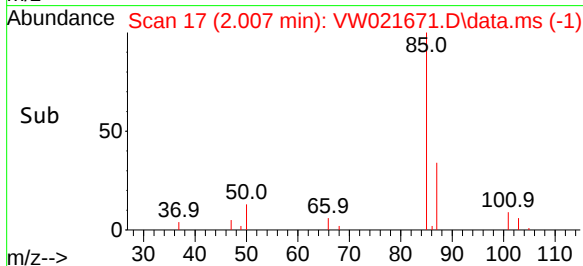
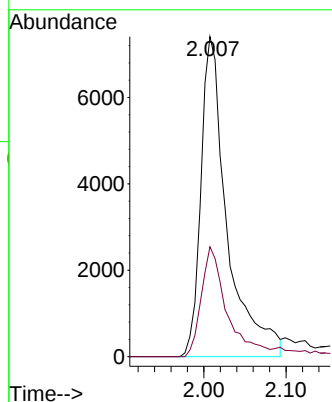
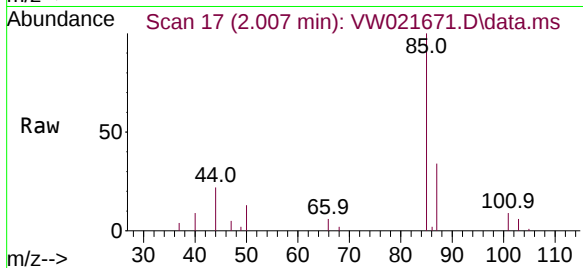




#2  
 Dichlorodifluoromethane  
 Concen: 26.811 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VW021671.D  
 Acq: 28 Dec 2021 13:10

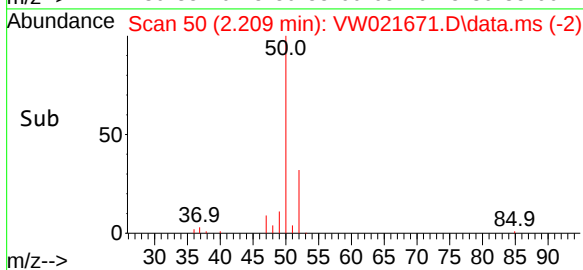
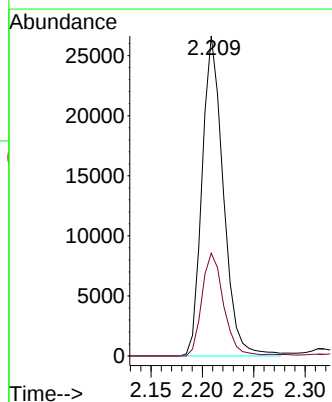
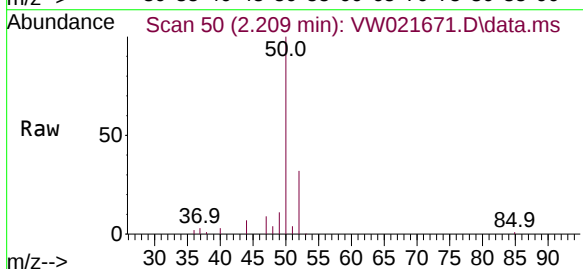
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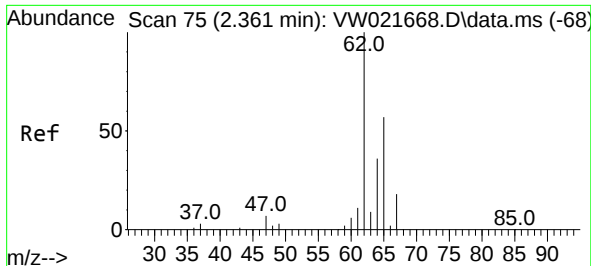
Tgt Ion: 85 Resp: 16418  
 Ion Ratio Lower Upper  
 85 100  
 87 33.5 25.8 38.6



#3  
 Chloromethane  
 Concen: 24.260 ug/L  
 RT: 2.209 min Scan# 50  
 Delta R.T. -0.006 min  
 Lab File: VW021671.D  
 Acq: 28 Dec 2021 13:10

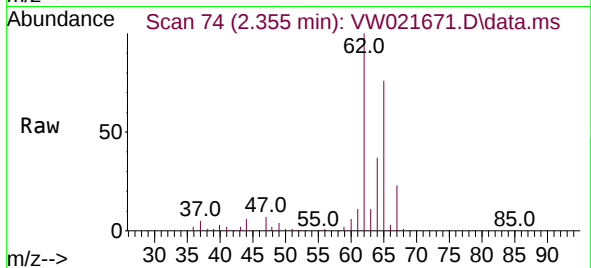
Tgt Ion: 50 Resp: 38372  
 Ion Ratio Lower Upper  
 50 100  
 52 32.1 23.4 43.6



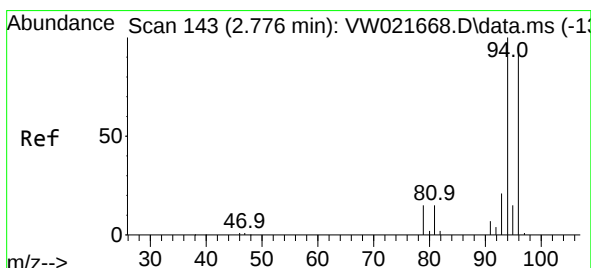
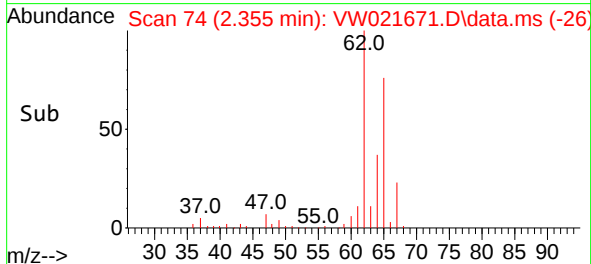
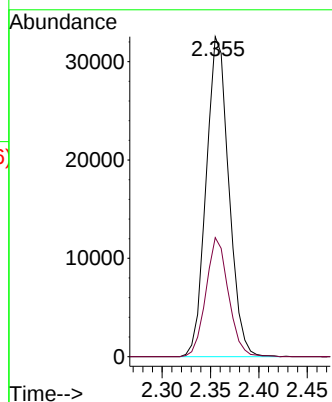


#5  
 Vinyl chloride  
 Concen: 22.733 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW021671.D  
 Acq: 28 Dec 2021 13:10

Instrument :  
 MSVOA\_W  
 ClientSampleId :

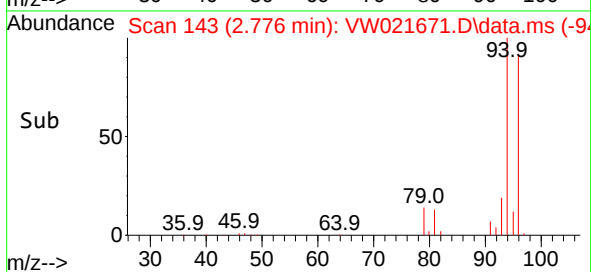
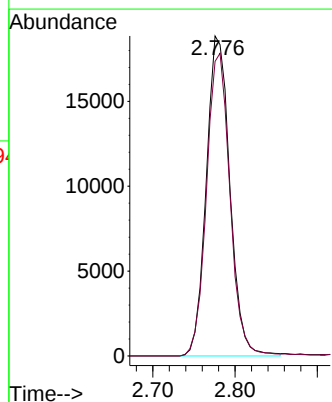
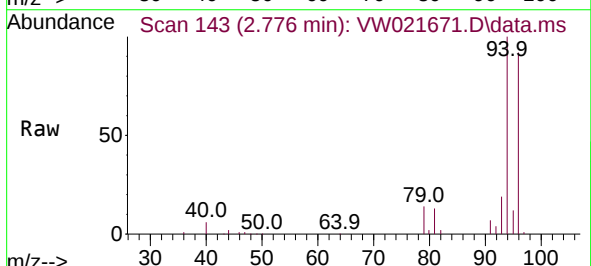


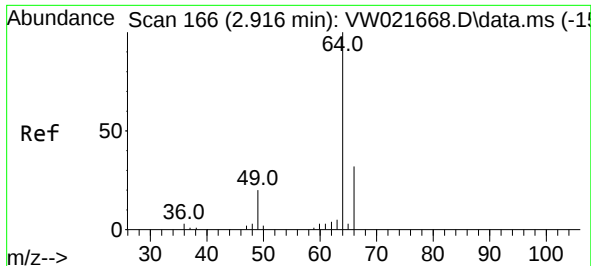
Tgt Ion: 62 Resp: 53030  
 Ion Ratio Lower Upper  
 62 100  
 64 37.2 24.4 45.2



#6  
 Bromomethane  
 Concen: 24.745 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. 0.000 min  
 Lab File: VW021671.D  
 Acq: 28 Dec 2021 13:10

Tgt Ion: 94 Resp: 37559  
 Ion Ratio Lower Upper  
 94 100  
 96 92.1 64.8 120.4

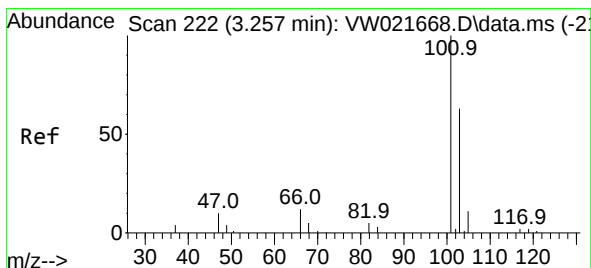
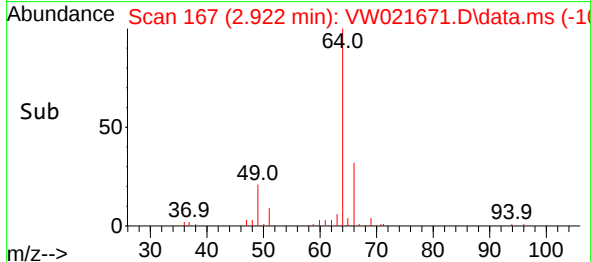
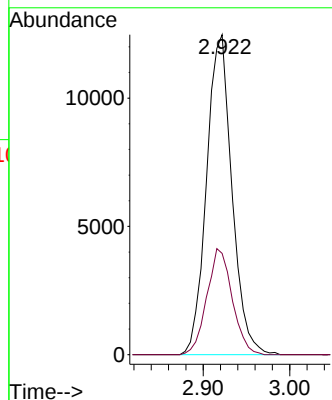
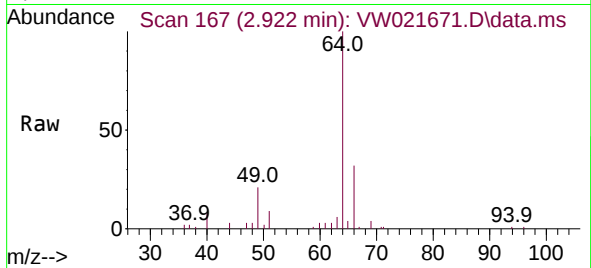




#8  
Chloroethane  
Concen: 22.848 ug/L  
RT: 2.922 min Scan# 167  
Delta R.T. 0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

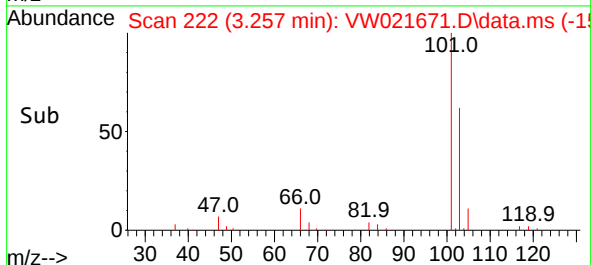
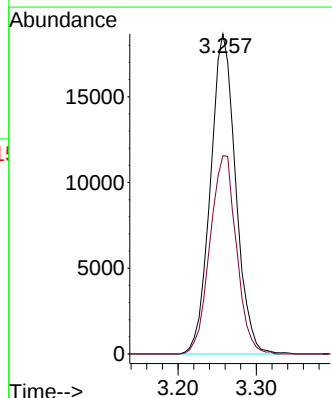
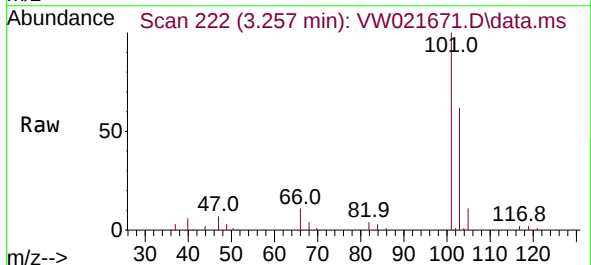
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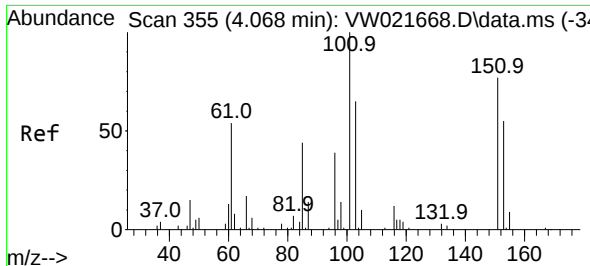
Tgt Ion: 64 Resp: 25398  
Ion Ratio Lower Upper  
64 100  
66 31.7 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 29.798 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion:101 Resp: 41823  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.4 77.2

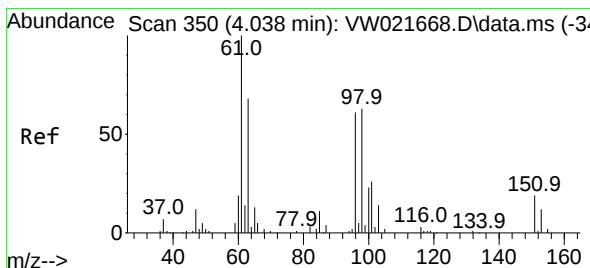
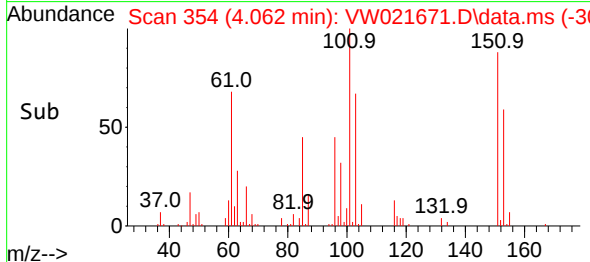
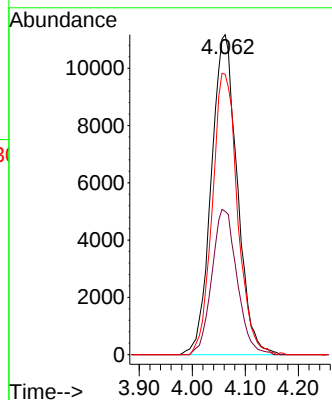
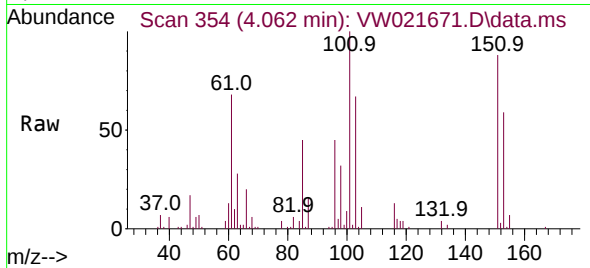




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 22.255 ug/L  
 RT: 4.062 min Scan# 310  
 Delta R.T. -0.006 min  
 Lab File: VW021671.D  
 Acq: 28 Dec 2021 13:10

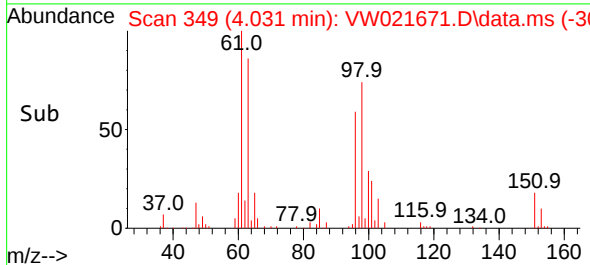
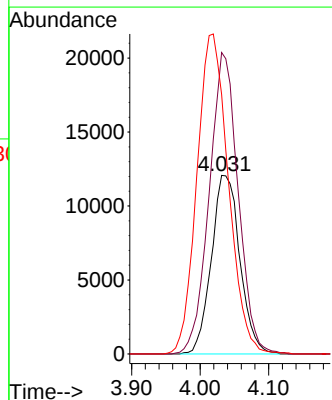
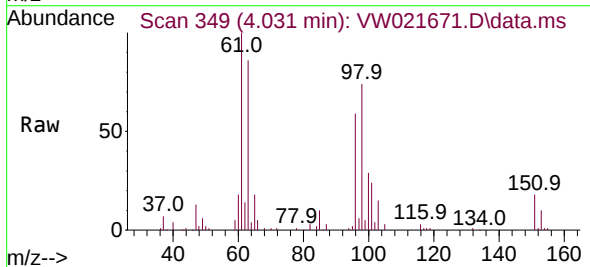
Instrument :  
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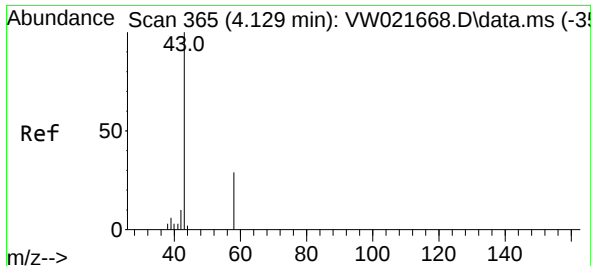
Tgt Ion:101 Resp: 38043  
 Ion Ratio Lower Upper  
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 85 43.9 36.6 54.8  
 151 85.0 57.4 86.0



#12  
 1,1-Dichloroethene  
 Concen: 22.780 ug/L  
 RT: 4.031 min Scan# 349  
 Delta R.T. -0.006 min  
 Lab File: VW021671.D  
 Acq: 28 Dec 2021 13:10

Tgt Ion: 96 Resp: 34827  
 Ion Ratio Lower Upper  
 96 100  
 61 168.8 138.3 256.9  
 63 145.2 82.6 153.4





#13

Acetone

Concen: 43.904 ug/L

RT: 4.147 min Scan# 3

Delta R.T. 0.018 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

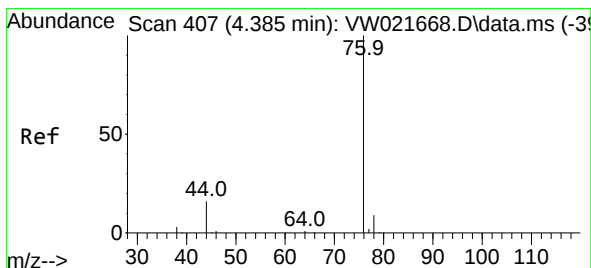
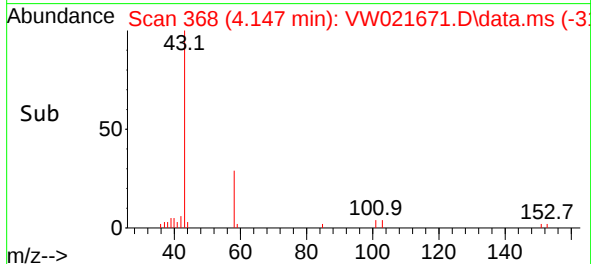
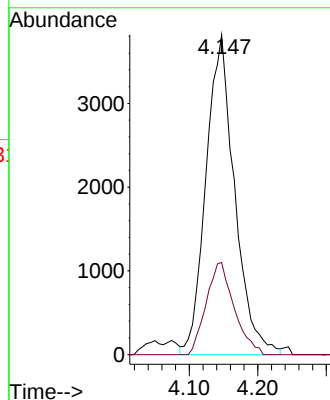
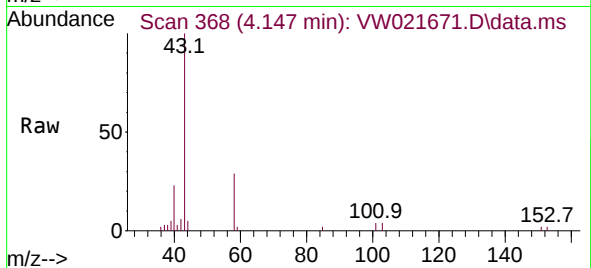
ClientSampleId :

Tgt Ion: 43 Resp: 11105

Ion Ratio Lower Upper

43 100

58 28.1 0.0 52.8



#14

Carbon disulfide

Concen: 23.209 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021671.D

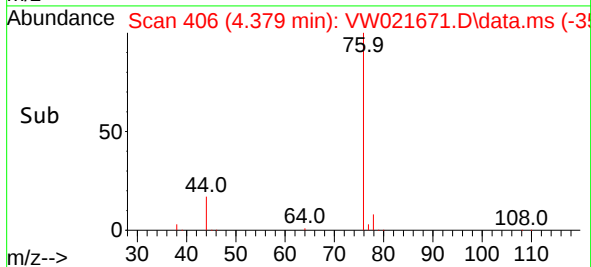
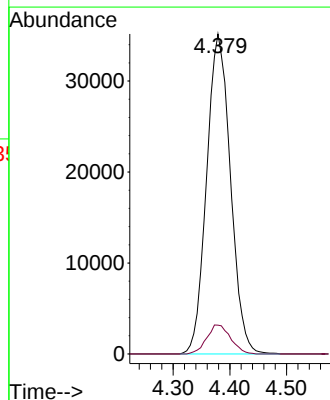
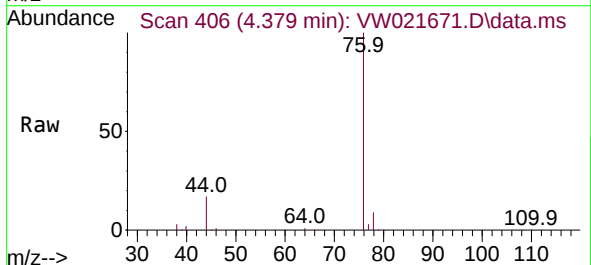
Acq: 28 Dec 2021 13:10

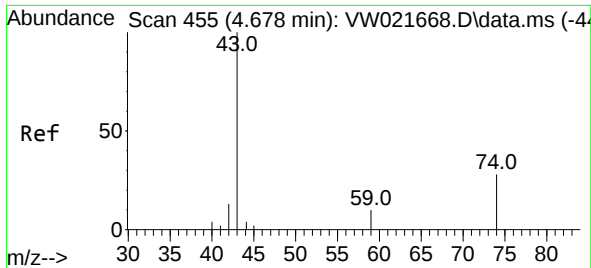
Tgt Ion: 76 Resp: 102680

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

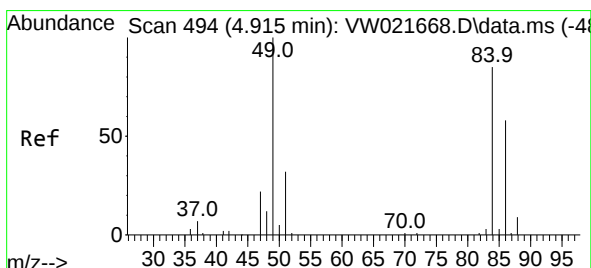
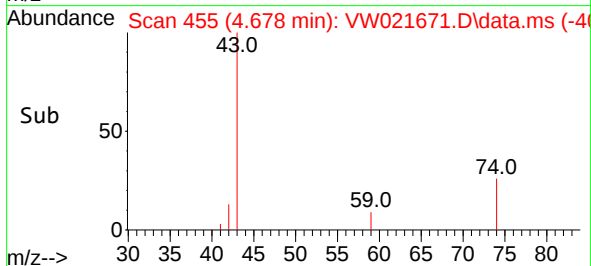
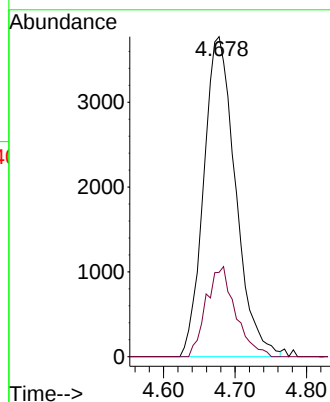
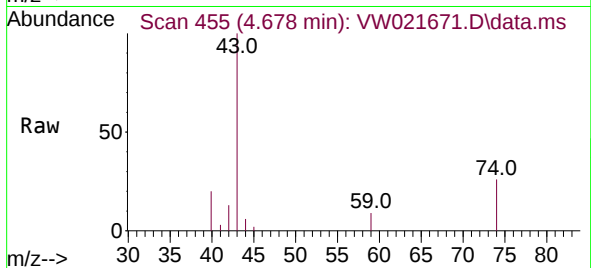




#15  
Methyl Acetate  
Concen: 24.200 ug/L  
RT: 4.678 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

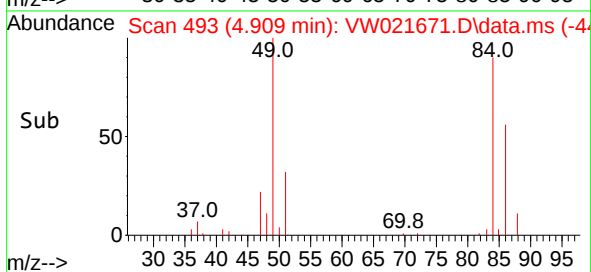
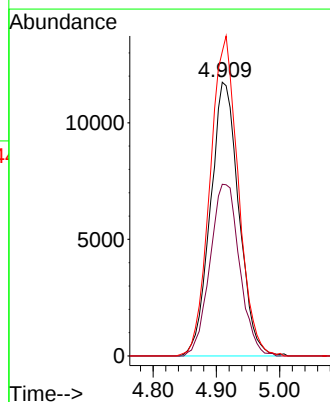
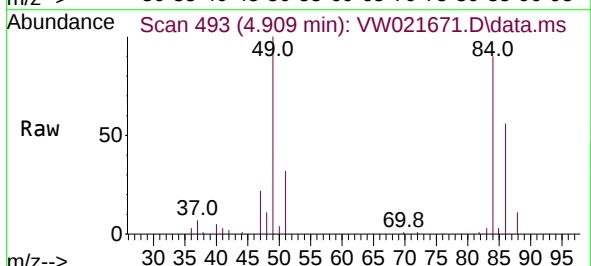
Instrument :  
MSVOA\_W  
ClientSampleId :

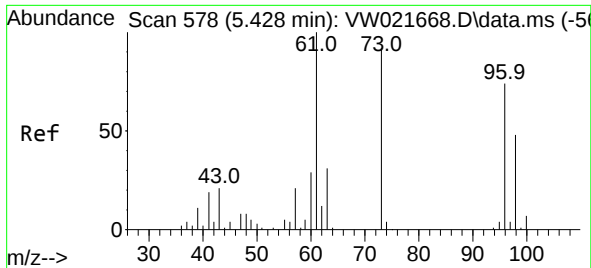
Tgt Ion: 43 Resp: 11679  
Ion Ratio Lower Upper  
43 100  
74 25.9 16.4 24.6#



#16  
Methylene chloride  
Concen: 19.879 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion: 84 Resp: 36649  
Ion Ratio Lower Upper  
84 100  
86 62.7 45.5 84.5  
49 111.2 100.5 186.7

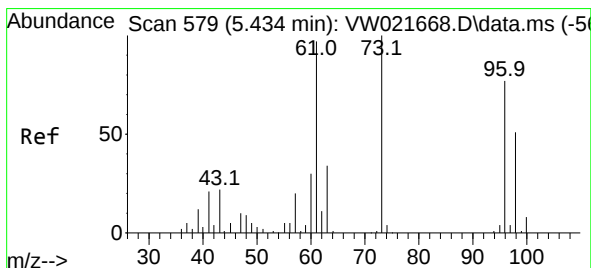
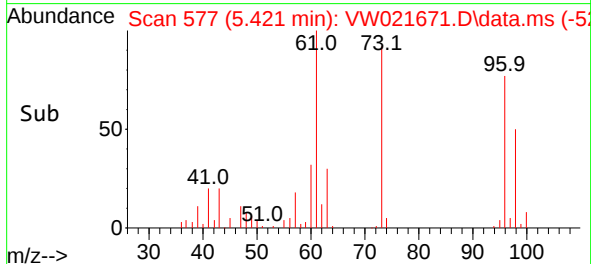
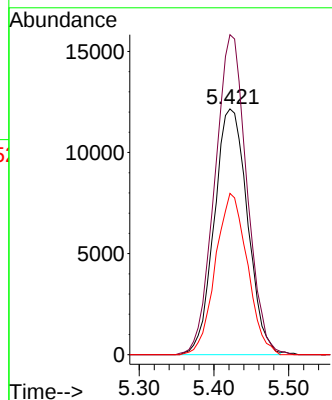
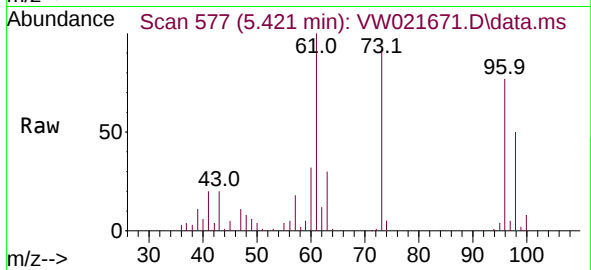




#17  
trans-1,2-Dichloroethene  
Concen: 23.269 ug/L  
RT: 5.421 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

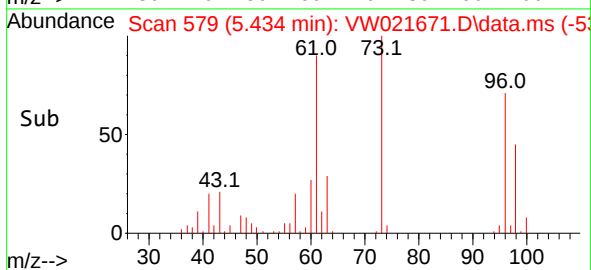
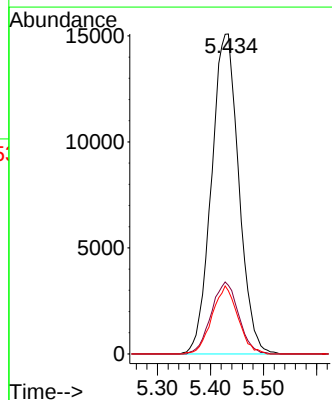
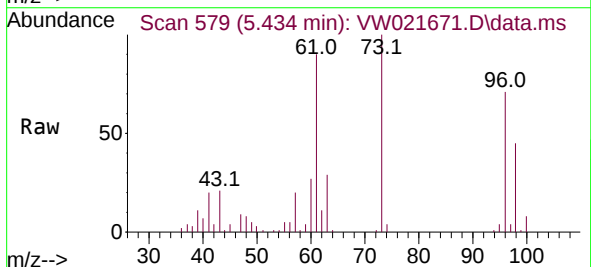
Instrument :  
MSVOA\_W  
ClientSampleId :

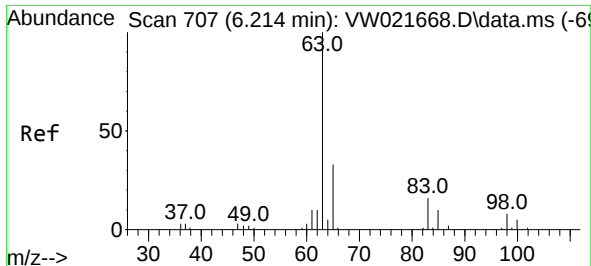
Tgt Ion: 96 Resp: 37581  
Ion Ratio Lower Upper  
96 100  
61 130.2 107.4 199.4  
98 65.7 41.2 76.6



#18  
Methyl tert-butyl Ether  
Concen: 24.002 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion: 73 Resp: 53978  
Ion Ratio Lower Upper  
73 100  
43 22.4 19.5 29.3  
57 20.1 19.3 28.9





#19

1,1-Dichloroethane

Concen: 23.066 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

ClientSampleId :

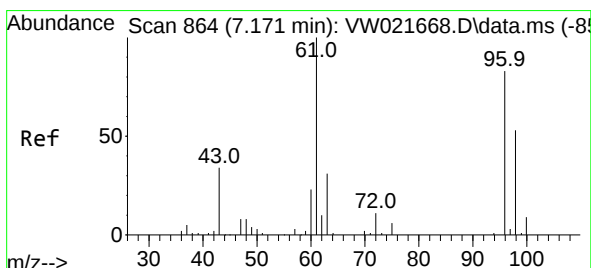
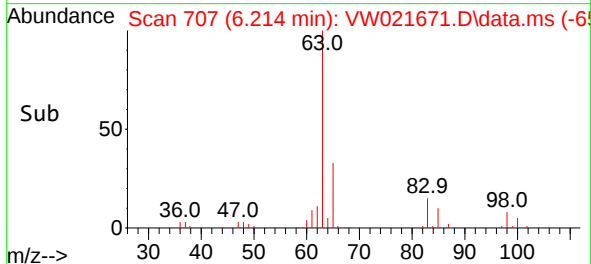
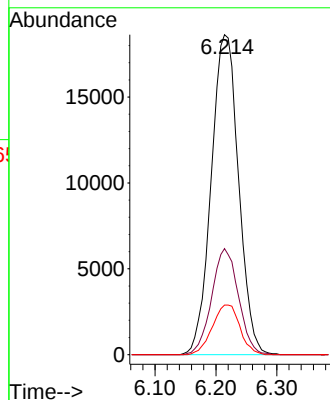
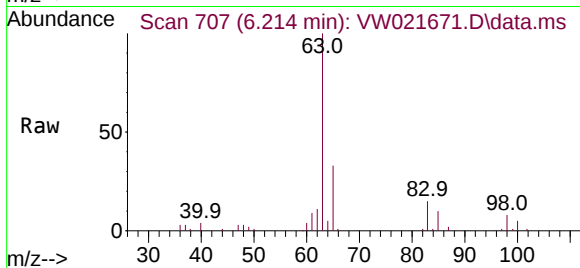
Tgt Ion: 63 Resp: 58121

Ion Ratio Lower Upper

63 100

65 33.2 22.1 41.1

83 15.5 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 23.080 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

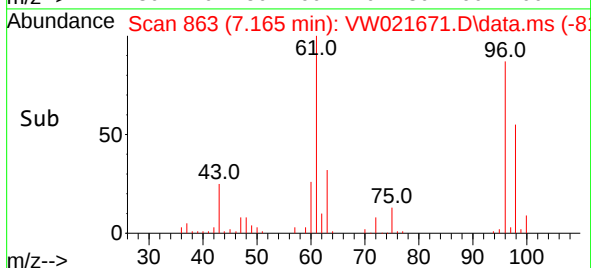
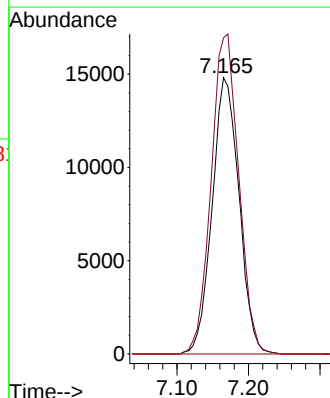
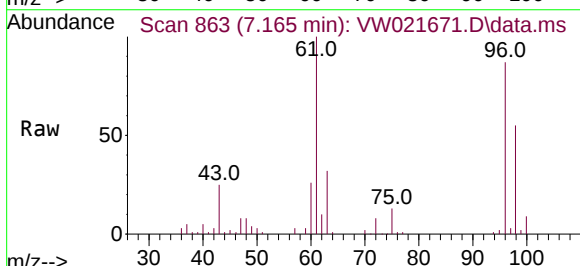
Tgt Ion: 96 Resp: 38694

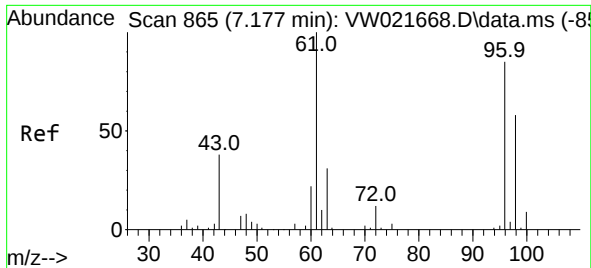
Ion Ratio Lower Upper

96 100

61 114.4 103.7 192.7

68 0.0 0.0 0.0

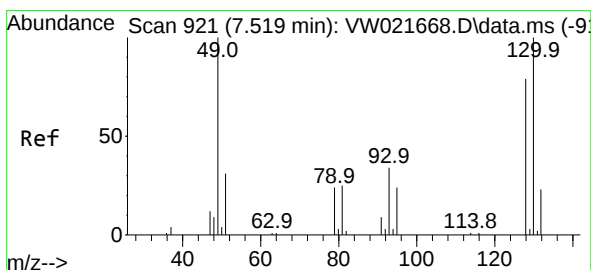
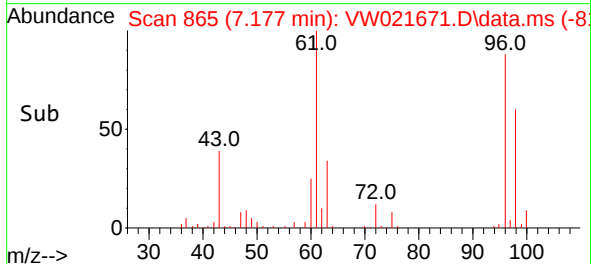
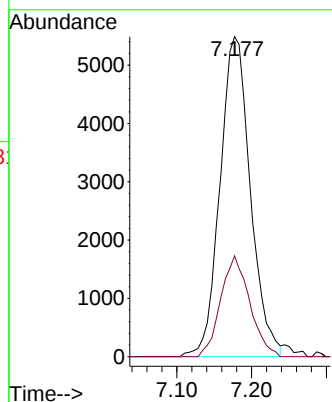
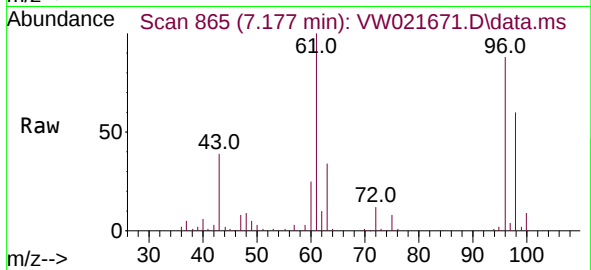




#22  
2-Butanone  
Concen: 45.131 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

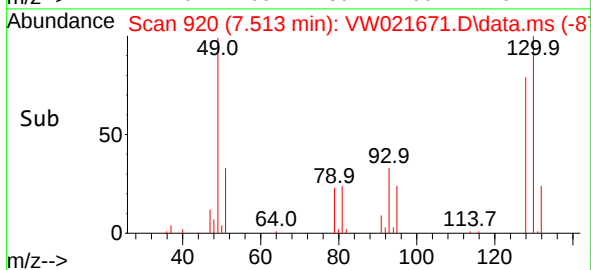
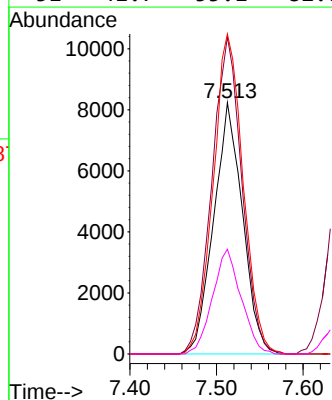
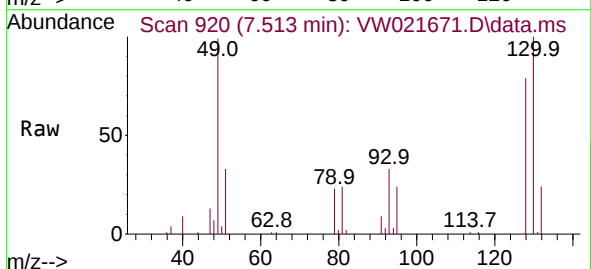
Instrument :  
MSVOA\_W  
ClientSampleId :

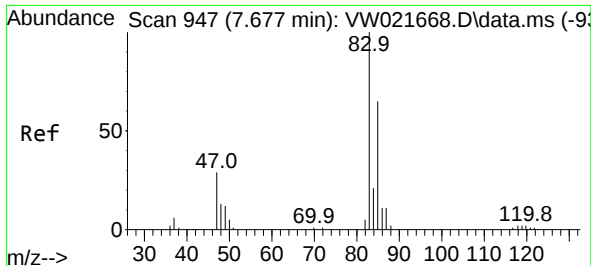
Tgt Ion: 43 Resp: 15519  
Ion Ratio Lower Upper  
43 100  
72 30.0 11.8 35.4



#23  
Bromochloromethane  
Concen: 23.486 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion: 128 Resp: 19033  
Ion Ratio Lower Upper  
128 100  
49 126.1 150.3 279.1#  
130 127.3 88.3 163.9  
51 41.7 55.1 82.7#

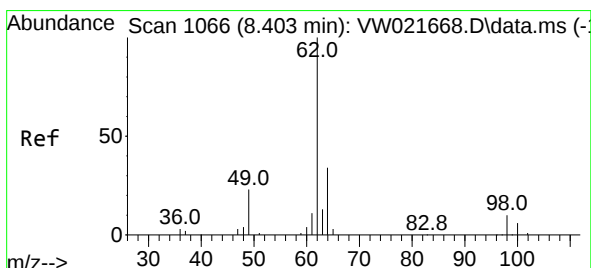
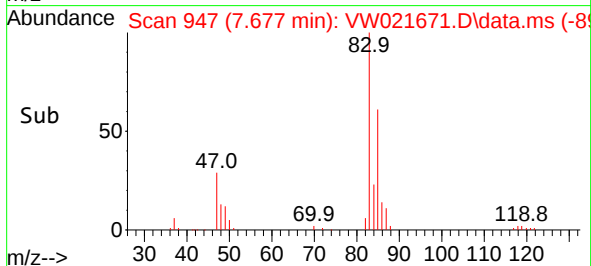
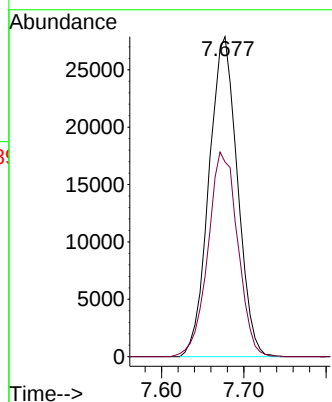
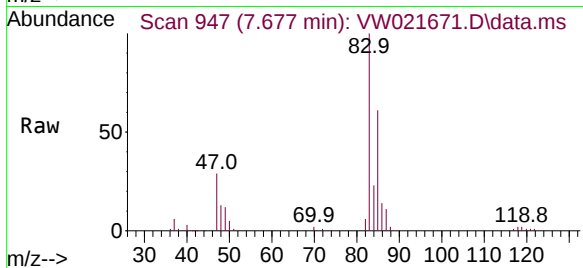




#25  
Chloroform  
Concen: 23.057 ug/L  
RT: 7.677 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

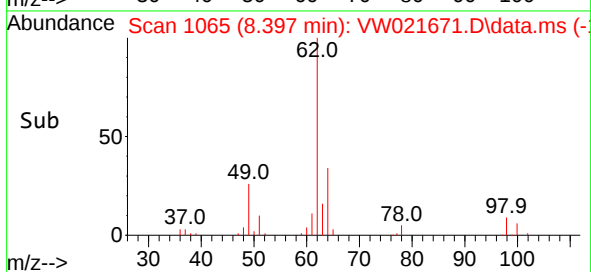
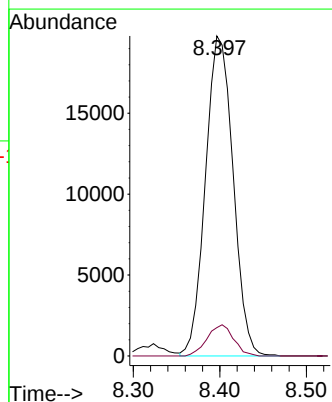
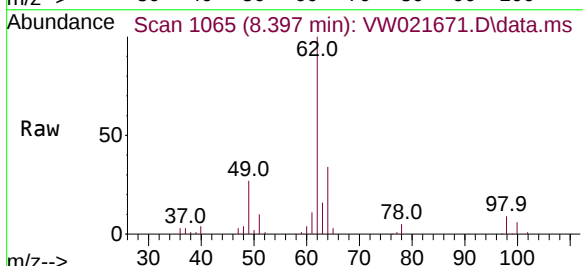
Instrument :  
MSVOA\_W  
ClientSampleId :

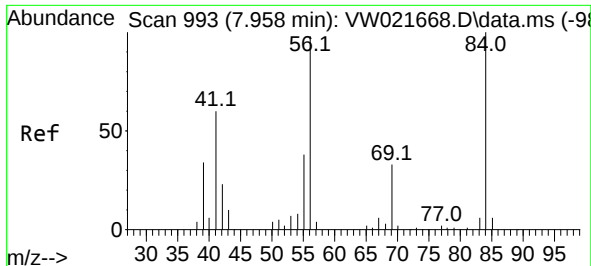
Tgt Ion: 83 Resp: 67018  
Ion Ratio Lower Upper  
83 100  
85 60.9 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 23.246 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion: 62 Resp: 43826  
Ion Ratio Lower Upper  
62 100  
98 8.9 6.5 9.7

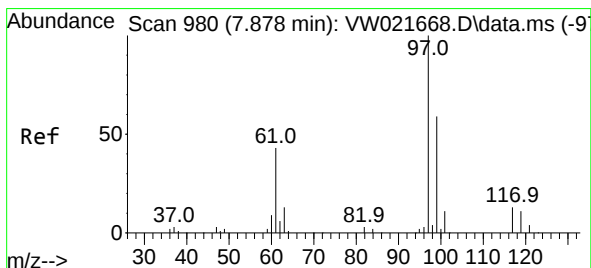
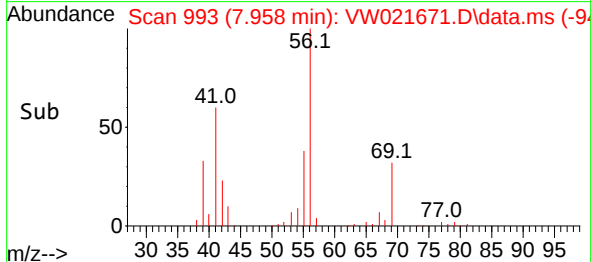
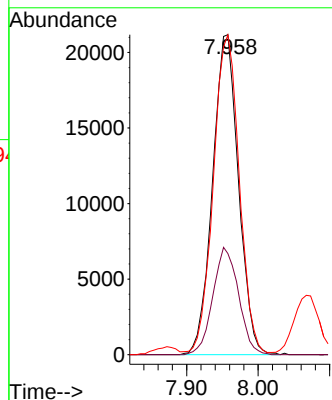
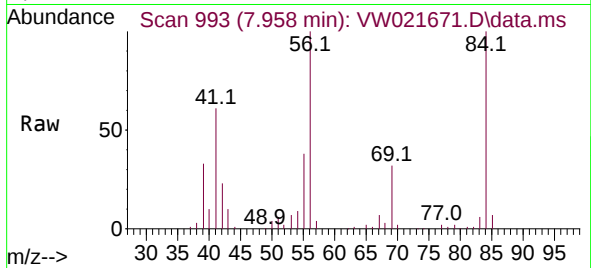




#29  
Cyclohexane  
Concen: 22.492 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

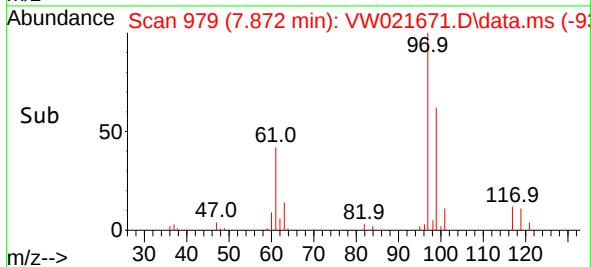
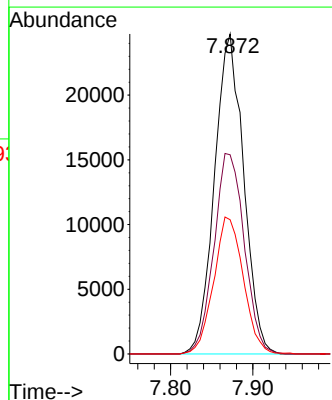
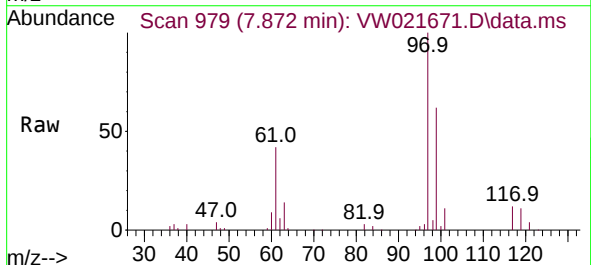
Instrument :  
MSVOA\_W  
ClientSampleId :

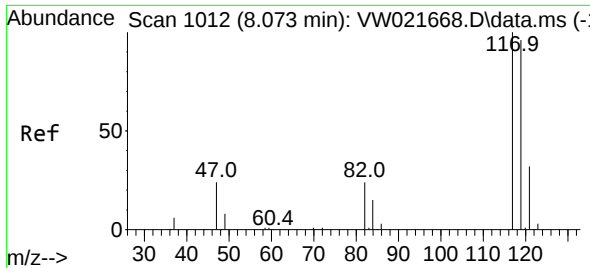
Tgt Ion: 56 Resp: 53273  
Ion Ratio Lower Upper  
56 100  
69 33.2 23.5 35.3  
84 100.4 63.4 95.2#



#30  
1,1,1-Trichloroethane  
Concen: 22.525 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion: 97 Resp: 60872  
Ion Ratio Lower Upper  
97 100  
99 65.3 51.6 77.4  
61 43.6 40.9 61.3

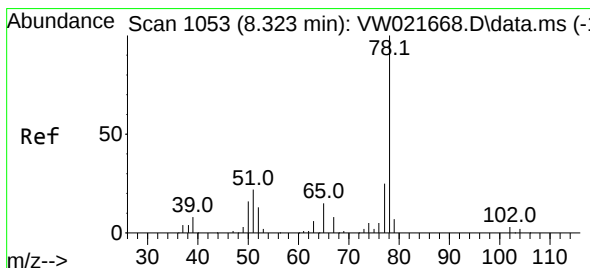
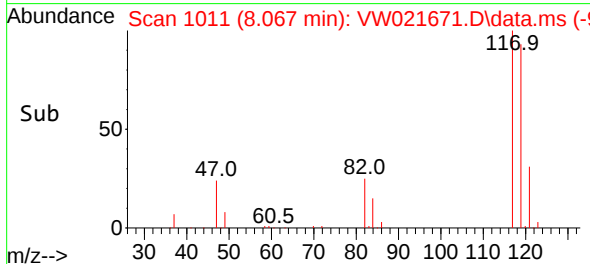
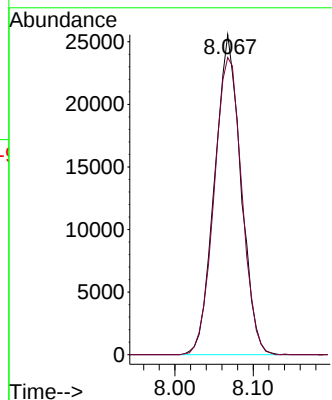
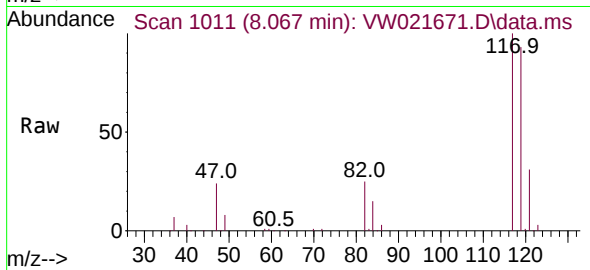




#31  
Carbon tetrachloride  
Concen: 22.678 ug/L  
RT: 8.067 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

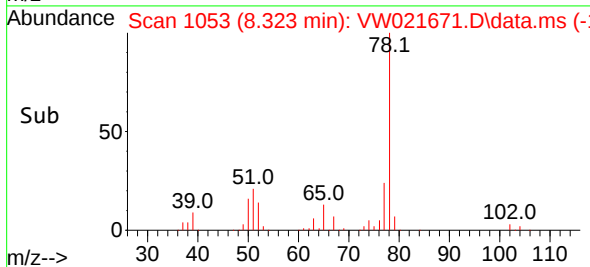
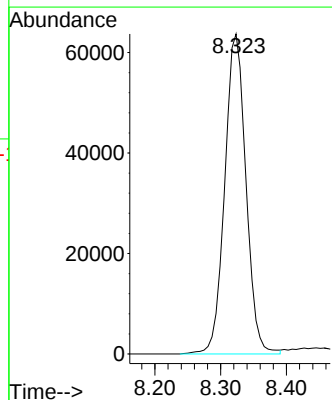
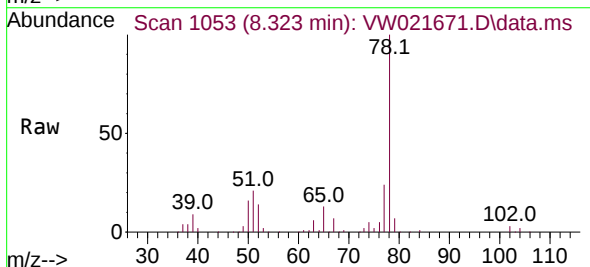
Instrument :  
MSVOA\_W  
ClientSampleId :

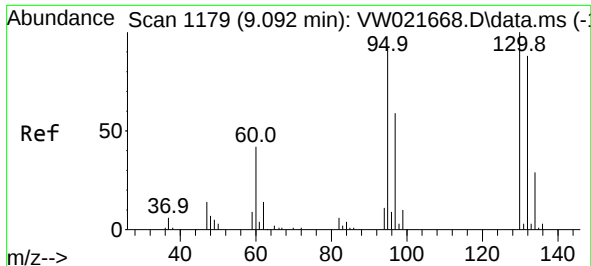
Tgt Ion:117 Resp: 59594  
Ion Ratio Lower Upper  
117 100  
119 97.9 75.7 113.5



#33  
Benzene  
Concen: 22.899 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion: 78 Resp: 143105

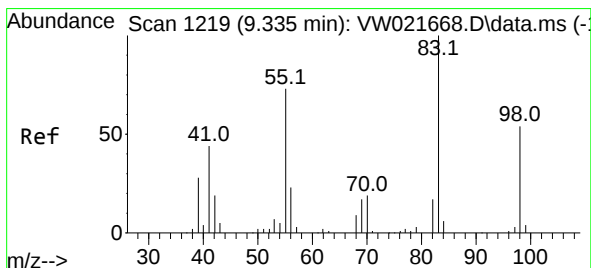
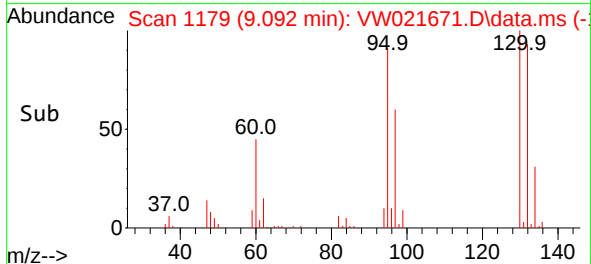
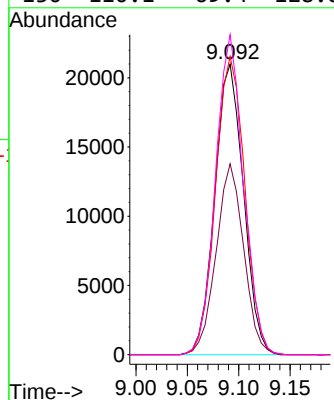
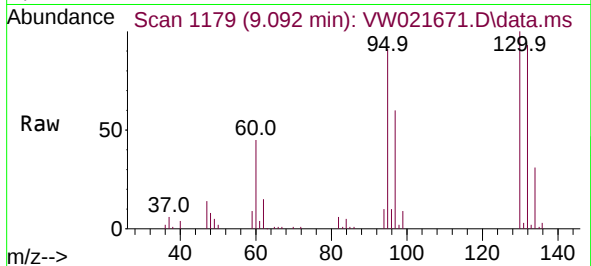




#34  
Trichloroethene  
Concen: 22.997 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

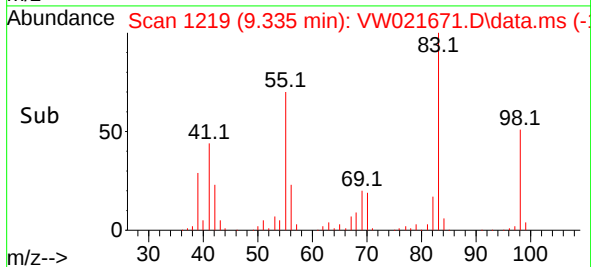
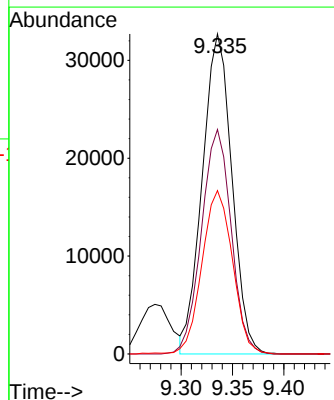
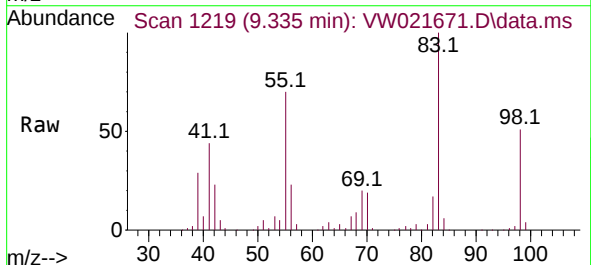
Instrument :  
MSVOA\_W  
ClientSampleId :

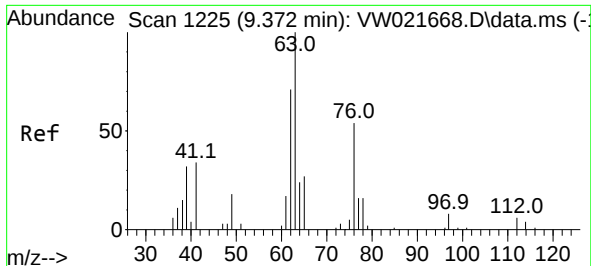
Tgt Ion: 95 Resp: 40798  
Ion Ratio Lower Upper  
95 100  
97 65.7 47.0 87.2  
132 102.7 65.5 121.6  
130 110.1 69.4 128.8



#35  
Methylcyclohexane  
Concen: 22.389 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion: 83 Resp: 65534  
Ion Ratio Lower Upper  
83 100  
55 70.3 70.8 106.2#  
98 52.6 37.7 56.5





#37

1,2-Dichloropropane

Concen: 23.171 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

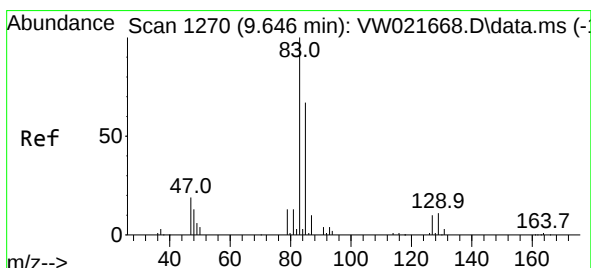
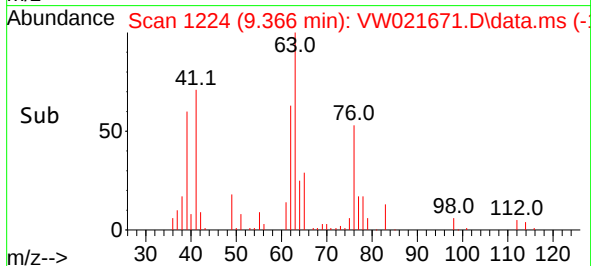
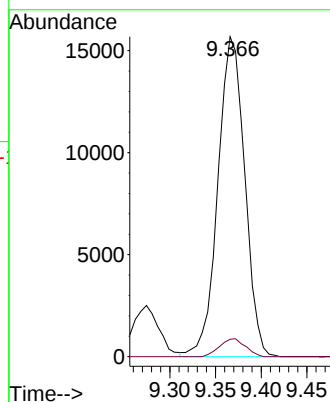
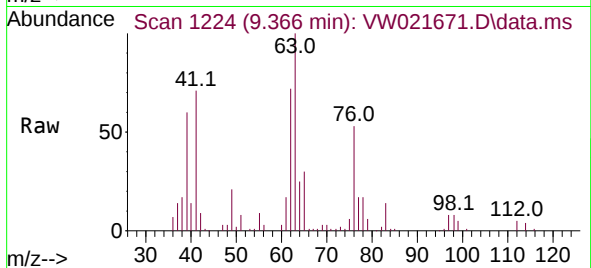
ClientSampleId :

Tgt Ion: 63 Resp: 32092

Ion Ratio Lower Upper

63 100

112 5.4 3.2 4.8#



#38

Bromodichloromethane

Concen: 23.830 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

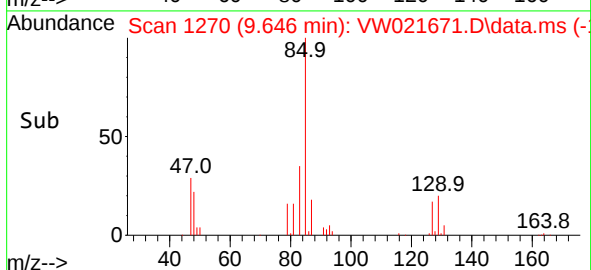
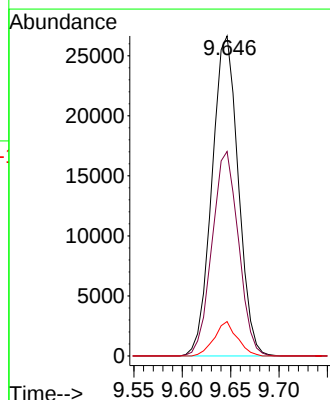
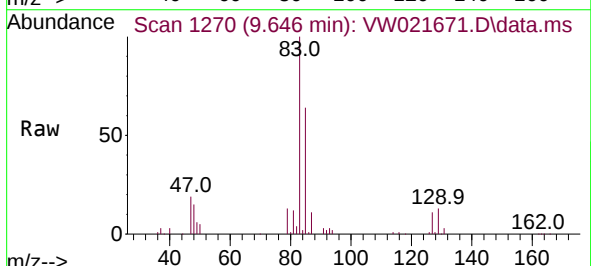
Tgt Ion: 83 Resp: 50375

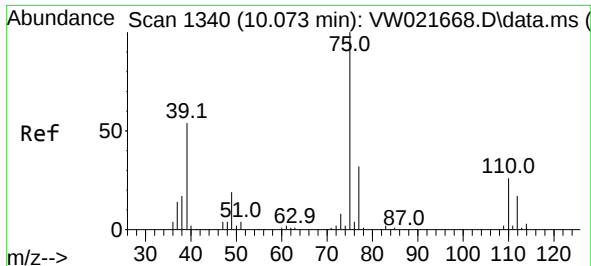
Ion Ratio Lower Upper

83 100

85 63.9 44.1 81.9

127 10.8 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 24.311 ug/L

RT: 10.073 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

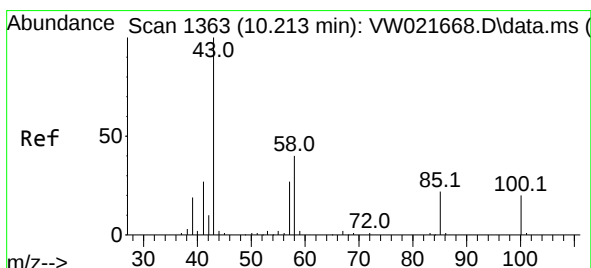
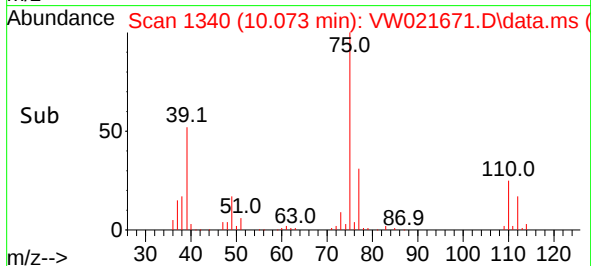
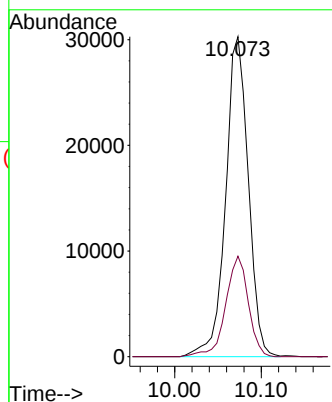
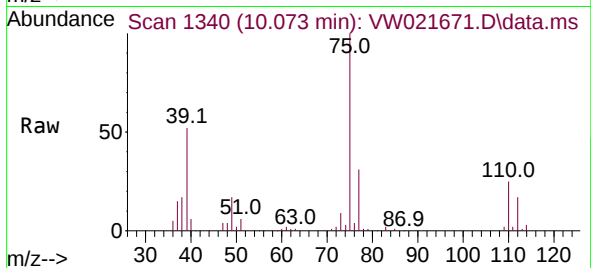
ClientSampleId :

Tgt Ion: 75 Resp: 55014

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 46.683 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.006 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

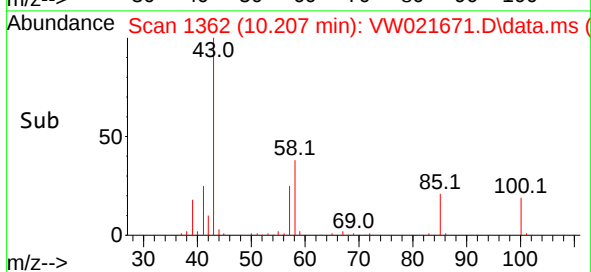
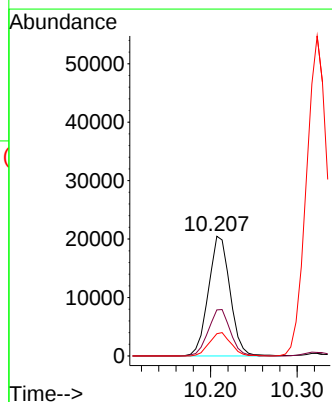
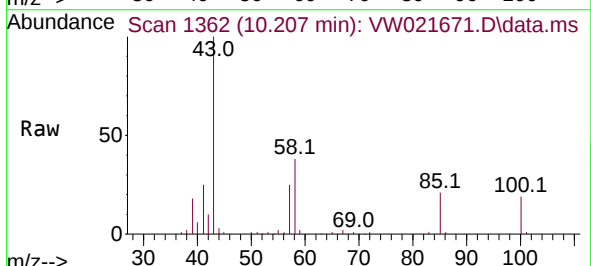
Tgt Ion: 43 Resp: 35617

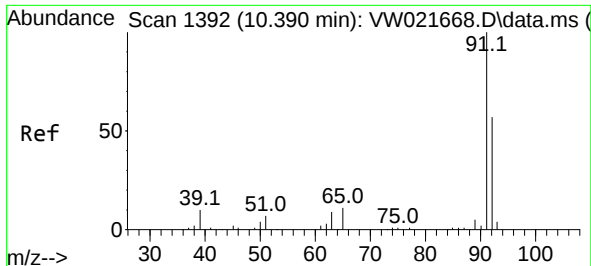
Ion Ratio Lower Upper

43 100

58 39.3 28.8 43.2

100 19.2 10.0 15.0

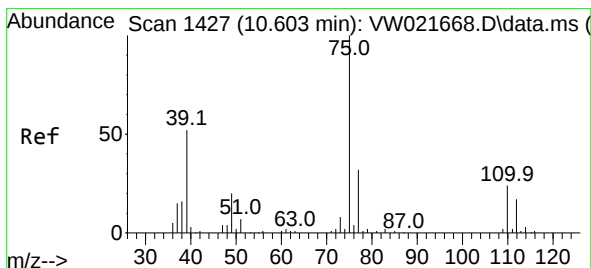
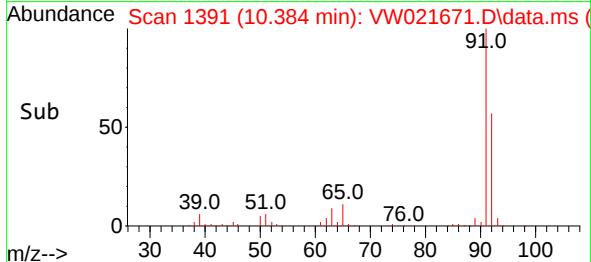
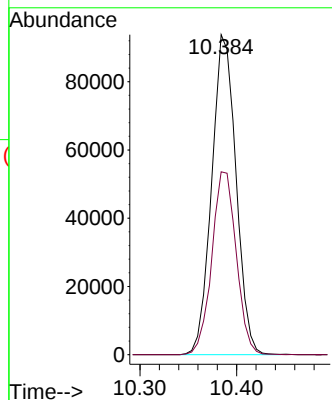
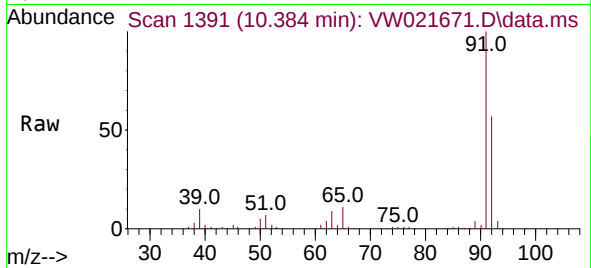




#42  
Toluene  
Concen: 22.675 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

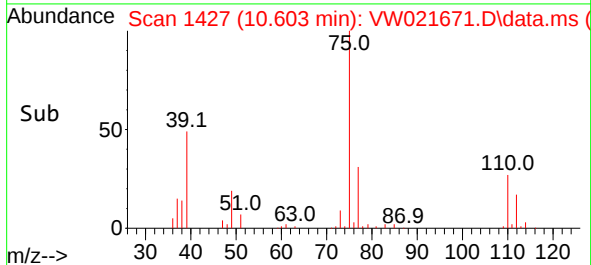
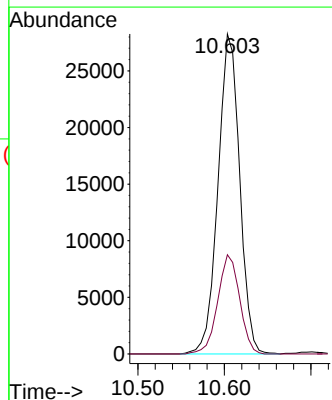
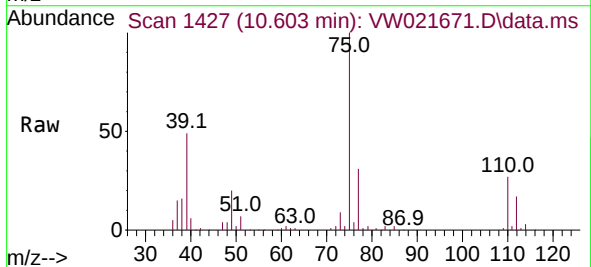
Instrument :  
MSVOA\_W  
ClientSampleId :

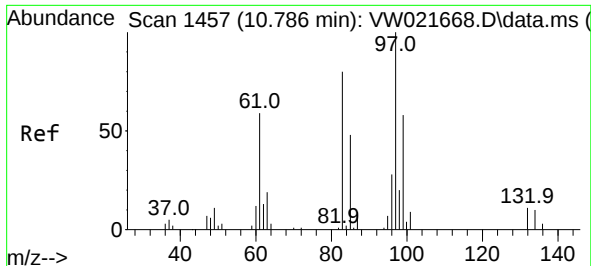
Tgt Ion: 91 Resp: 163576  
Ion Ratio Lower Upper  
91 100  
92 57.1 41.7 77.5



#44  
trans-1,3-Dichloropropene  
Concen: 24.143 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion: 75 Resp: 49087  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 23.094 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 26567

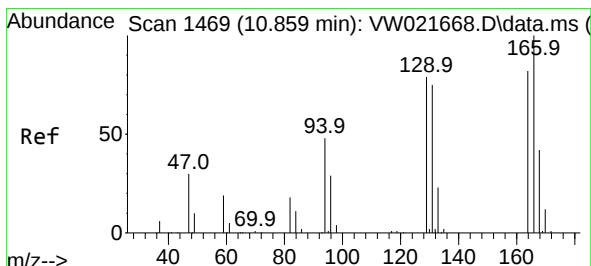
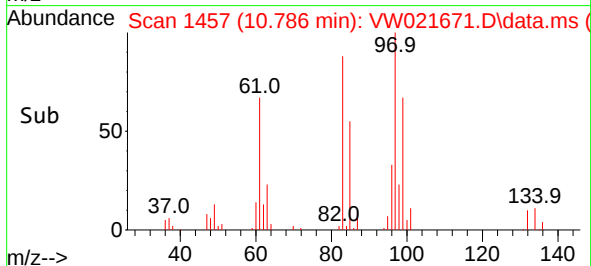
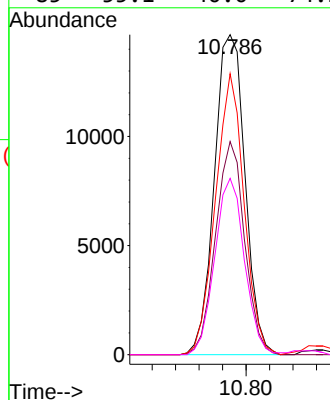
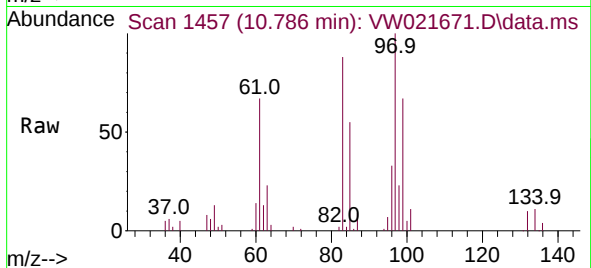
Ion Ratio Lower Upper

97 100

99 66.6 43.0 79.8

83 87.8 62.6 116.3

85 55.1 40.0 74.2



#46

Tetrachloroethene

Concen: 21.979 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Tgt Ion:164 Resp: 36515

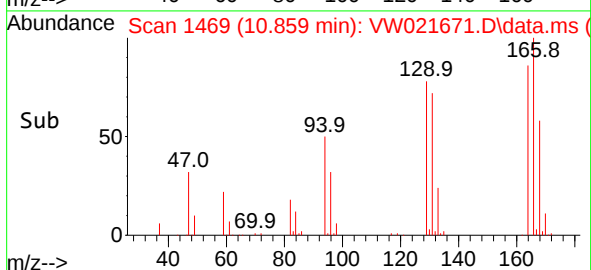
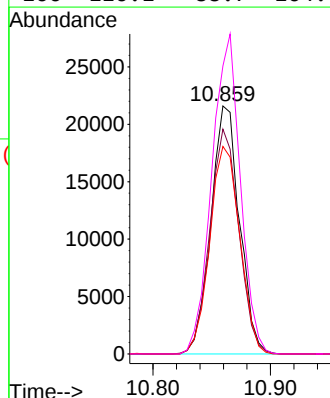
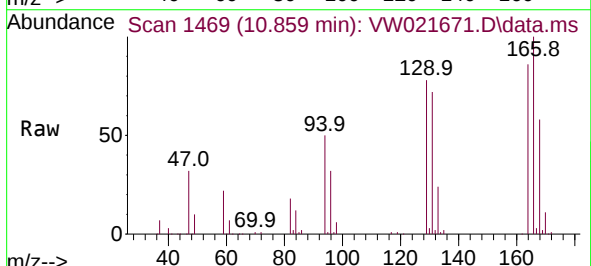
Ion Ratio Lower Upper

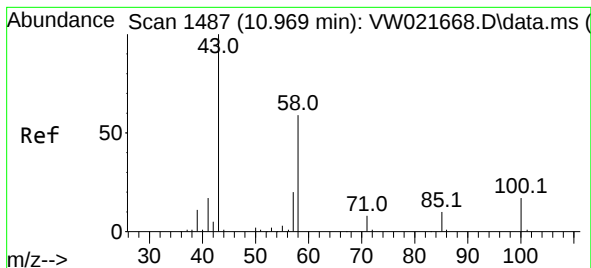
164 100

129 90.6 65.5 121.7

131 83.7 59.7 110.9

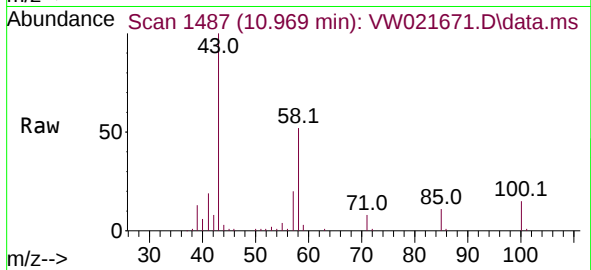
166 116.1 88.7 164.7



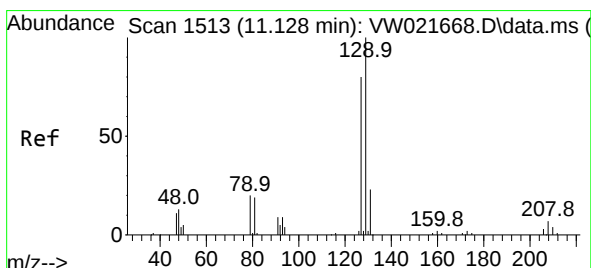
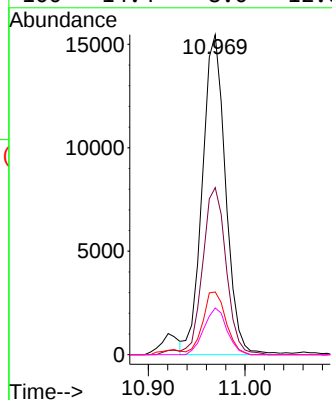
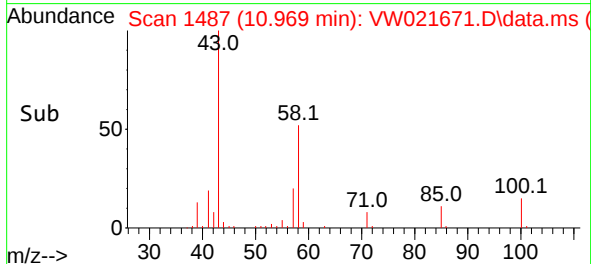


#48  
2-Hexanone  
Concen: 49.779 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Instrument :  
MSVOA\_W  
ClientSampleId :

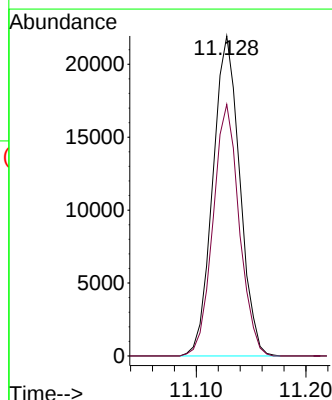
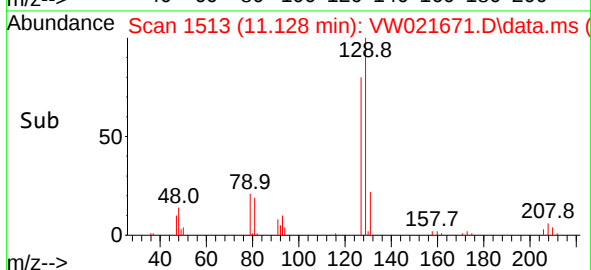
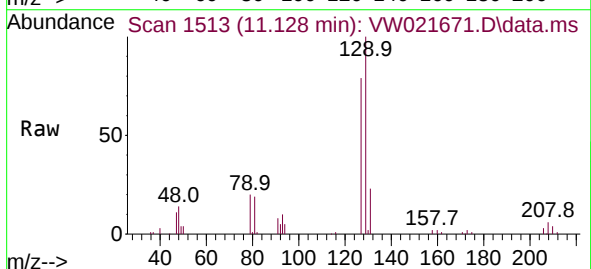


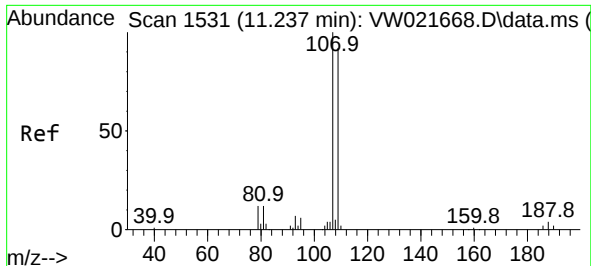
Tgt Ion: 43 Resp: 25792  
Ion Ratio Lower Upper  
43 100  
58 52.6 40.2 60.2  
57 19.5 14.3 21.5  
100 14.4 8.0 12.0#



#49  
Dibromochloromethane  
Concen: 24.269 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion:129 Resp: 37511  
Ion Ratio Lower Upper  
129 100  
127 78.6 55.7 103.5





#50

1,2-Dibromoethane

Concen: 23.265 ug/L

RT: 11.237 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021671.D

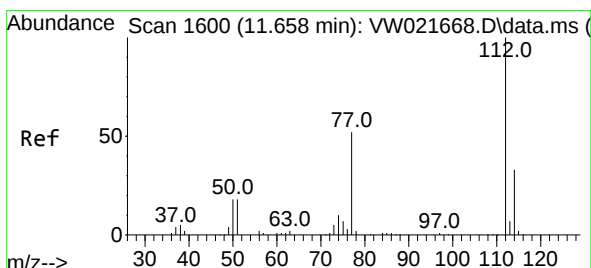
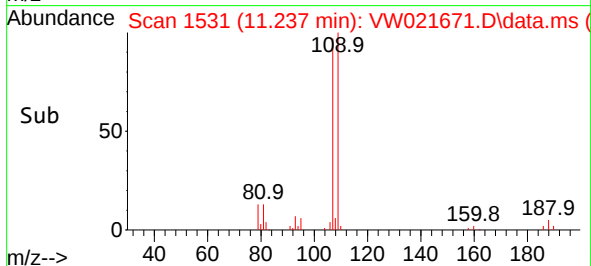
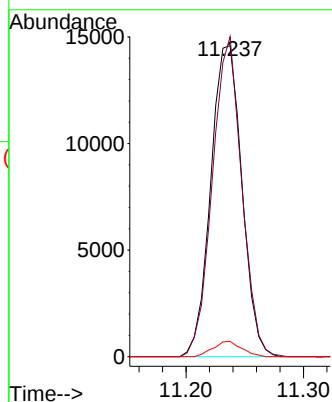
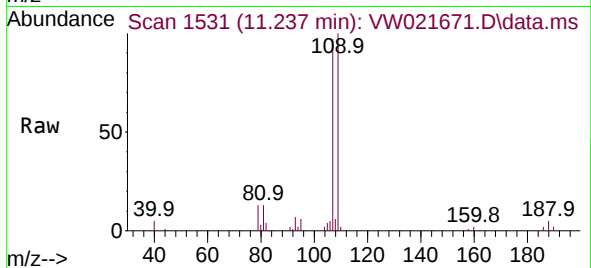
Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 26879      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 102.9 | 64.1 119.1 |
| 188         | 5.0   | 2.6 3.8#   |



#51

Chlorobenzene

Concen: 23.703 ug/L

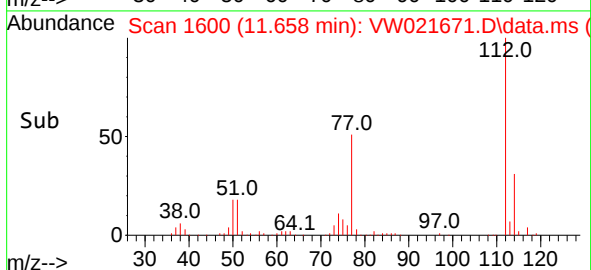
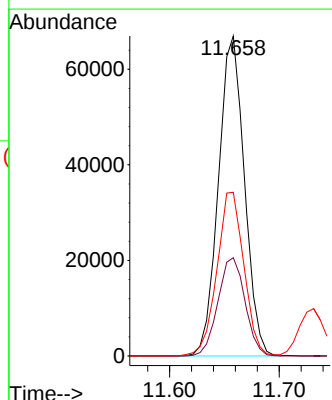
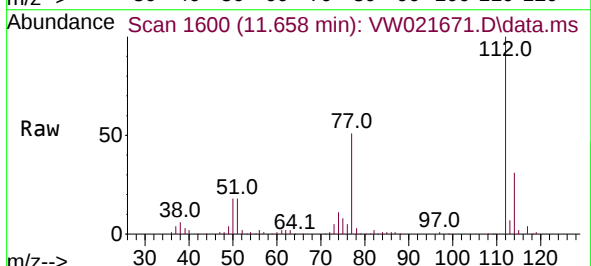
RT: 11.658 min Scan# 1600

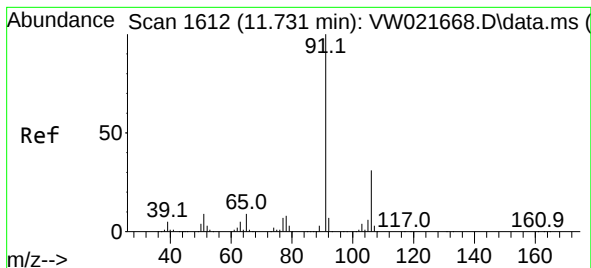
Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 110327    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 30.7  | 22.4 41.6 |
| 77          | 51.2  | 50.2 75.4 |

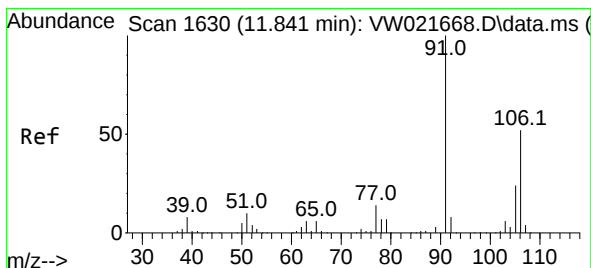
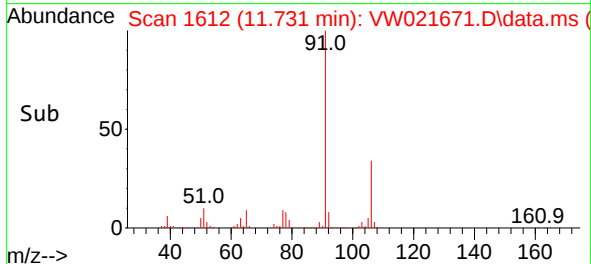
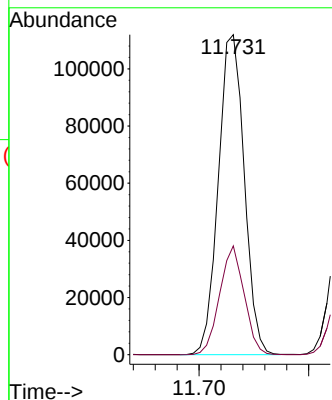
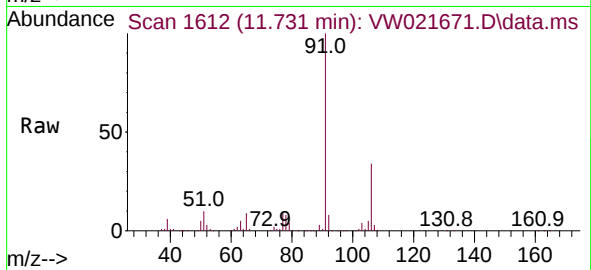




#52  
Ethylbenzene  
Concen: 22.690 ug/L  
RT: 11.731 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

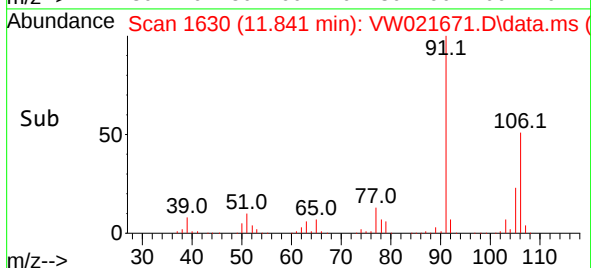
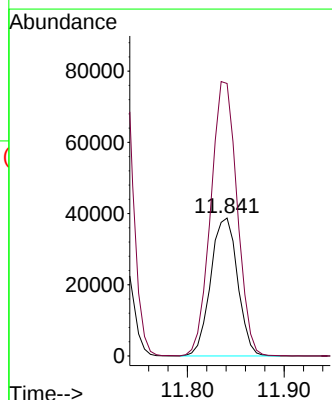
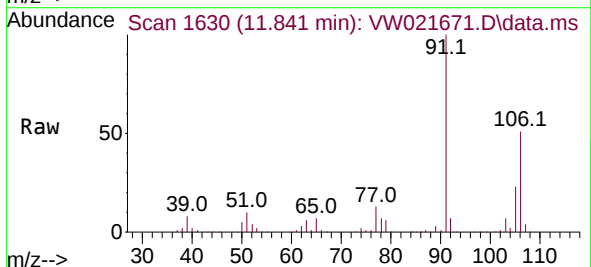
Instrument :  
MSVOA\_W  
ClientSampleId :

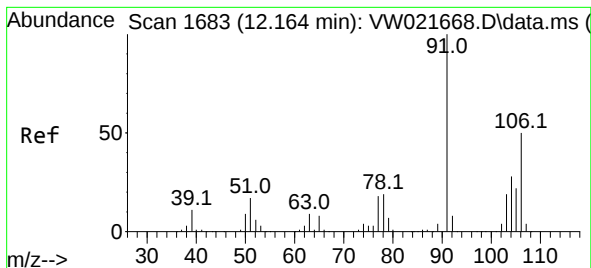
Tgt Ion: 91 Resp: 183742  
Ion Ratio Lower Upper  
91 100  
106 34.0 21.5 39.9



#53  
m,p-Xylene  
Concen: 23.103 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

Tgt Ion:106 Resp: 74962  
Ion Ratio Lower Upper  
106 100  
91 197.6 149.9 278.3





#54

o-Xylene

Concen: 22.316 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

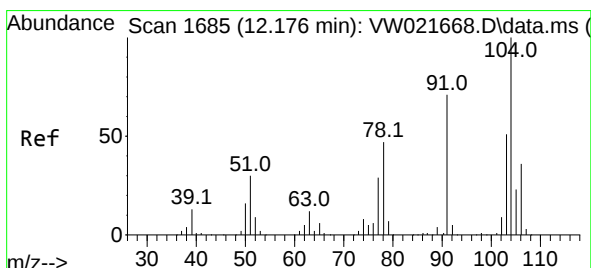
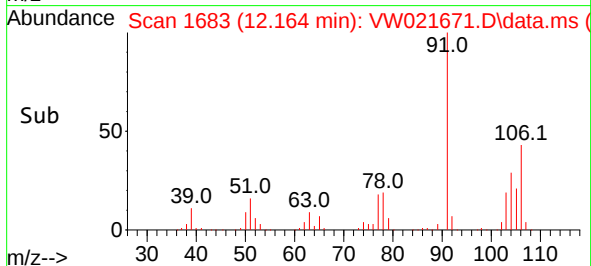
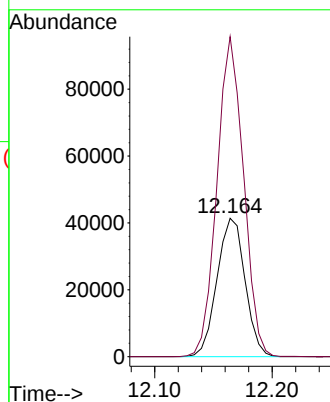
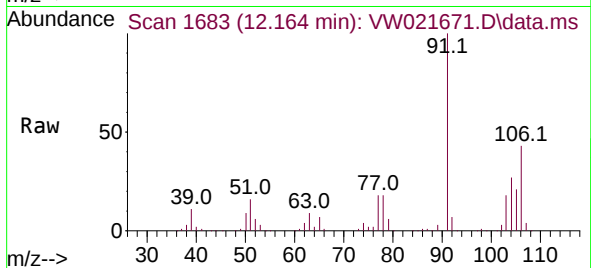
ClientSampleId :

Tgt Ion:106 Resp: 68629

Ion Ratio Lower Upper

106 100

91 231.1 153.6 285.3



#55

Styrene

Concen: 23.452 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW021671.D

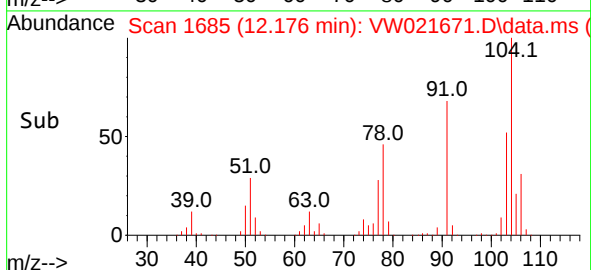
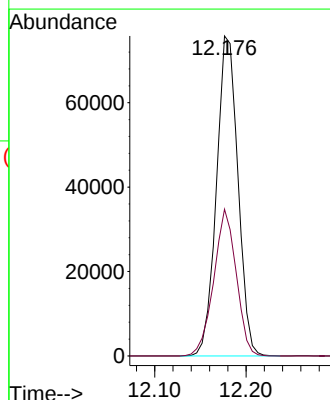
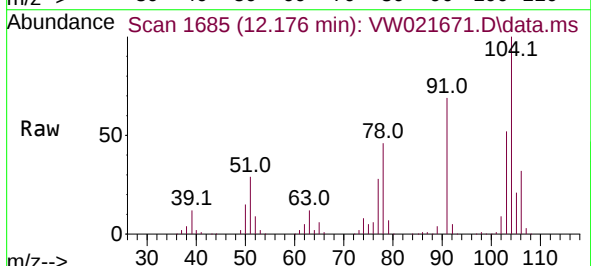
Acq: 28 Dec 2021 13:10

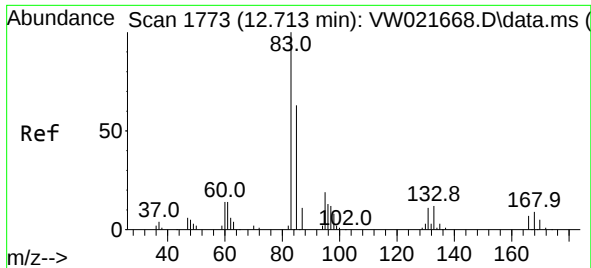
Tgt Ion:104 Resp: 123864

Ion Ratio Lower Upper

104 100

78 45.9 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 24.163 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021671.D

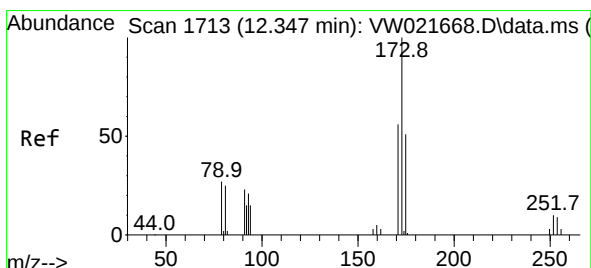
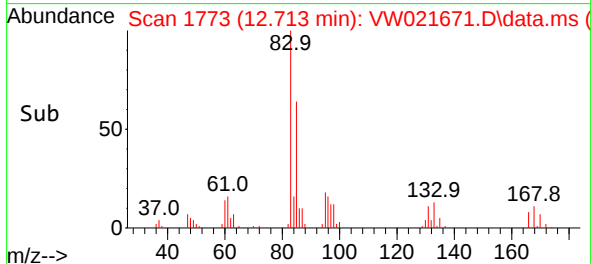
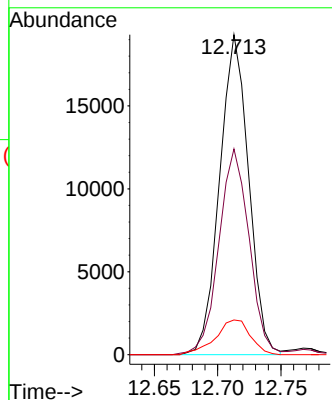
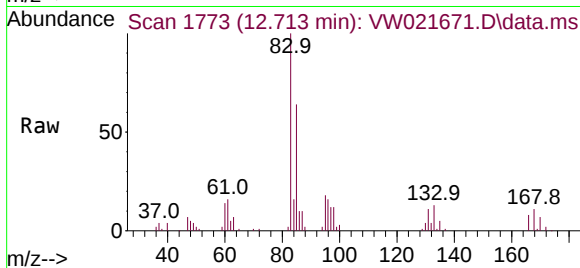
Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 30748 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 64.3     | 44.0 81.6   |
| 131 10.9    | 6.9 10.3#   |



#59

Bromoform

Concen: 25.388 ug/L

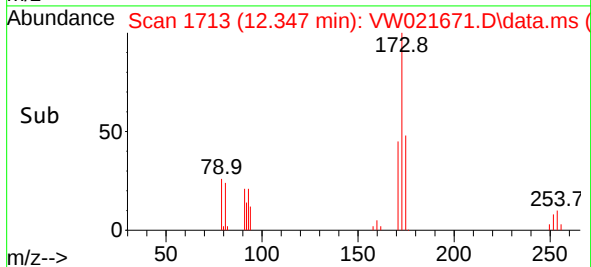
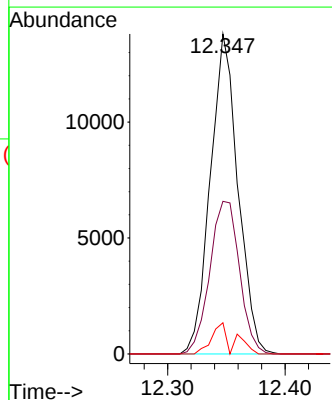
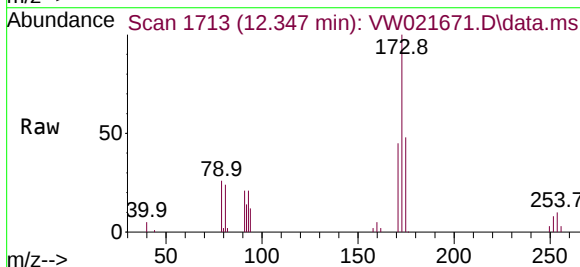
RT: 12.347 min Scan# 1713

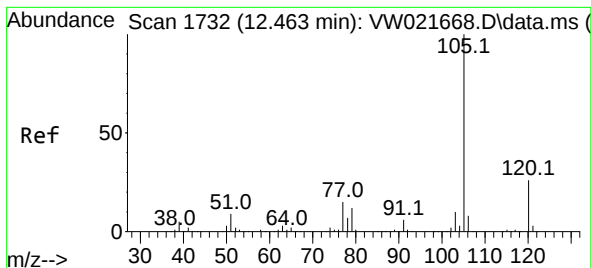
Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

|              |             |
|--------------|-------------|
| Tgt Ion: 173 | Resp: 22555 |
| Ion Ratio    | Lower Upper |
| 173 100      |             |
| 175 51.2     | 39.6 59.4   |
| 254 4.9      | 7.4 11.0#   |





#60

Isopropylbenzene

Concen: 23.118 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

ClientSampleId :

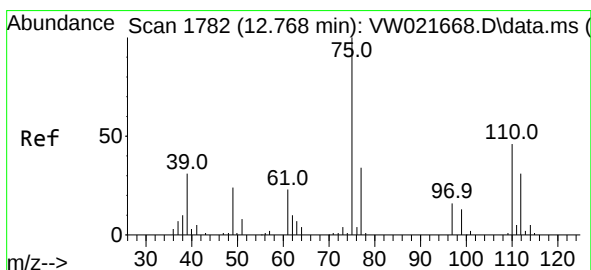
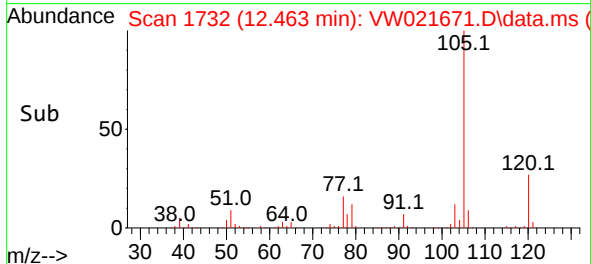
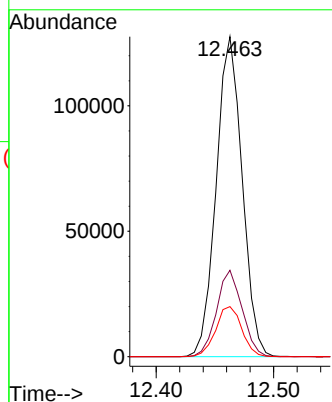
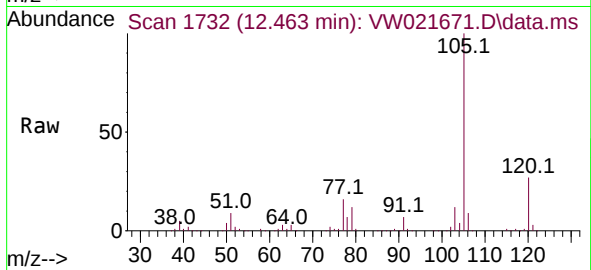
Tgt Ion:105 Resp: 196177

Ion Ratio Lower Upper

105 100

120 26.6 20.1 30.1

77 15.8 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 23.862 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

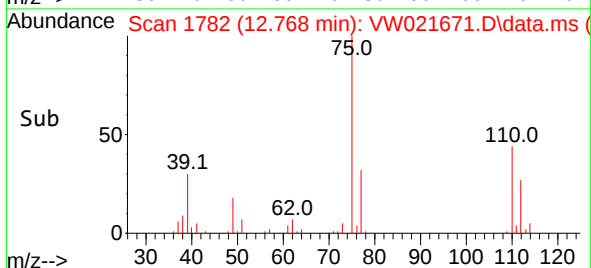
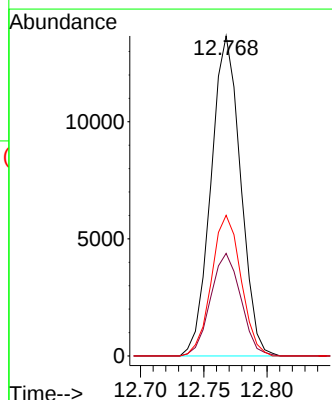
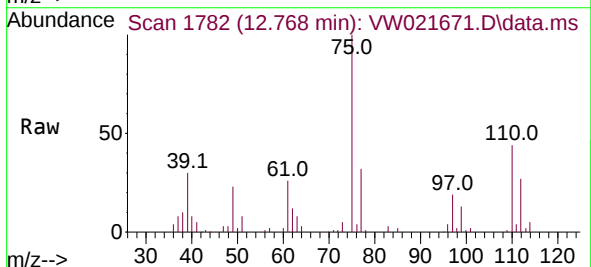
Tgt Ion: 75 Resp: 22228

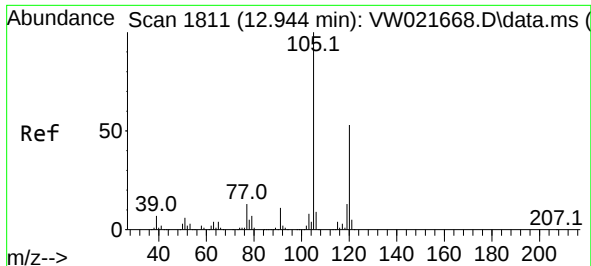
Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8

110 43.8 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 23.154 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

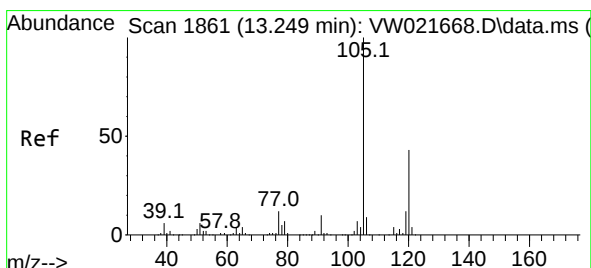
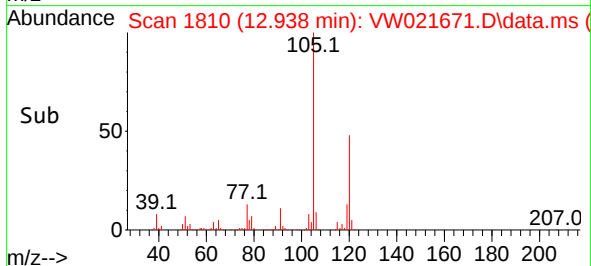
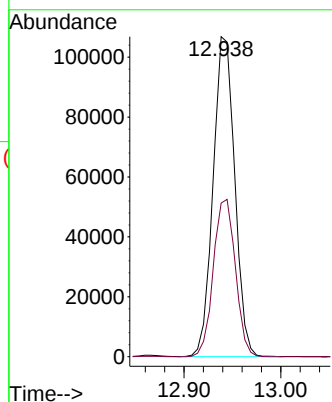
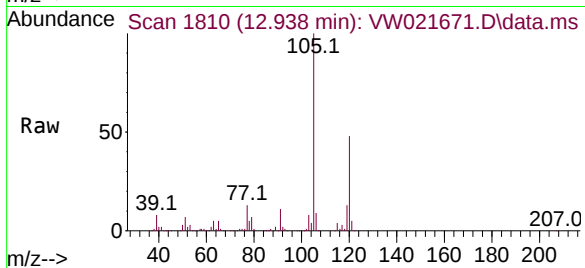
ClientSampleId :

Tgt Ion:105 Resp: 166110

Ion Ratio Lower Upper

105 100

120 50.1 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 23.298 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW021671.D

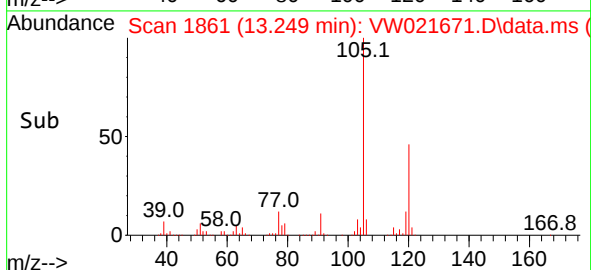
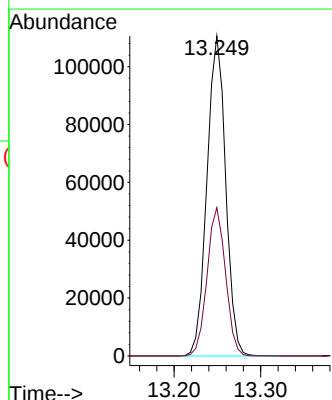
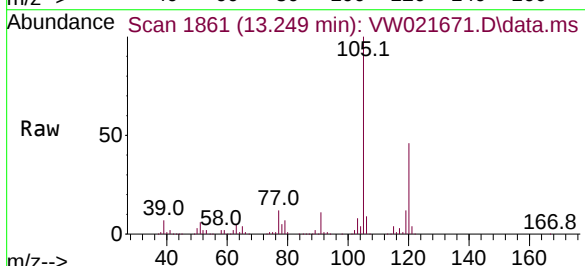
Acq: 28 Dec 2021 13:10

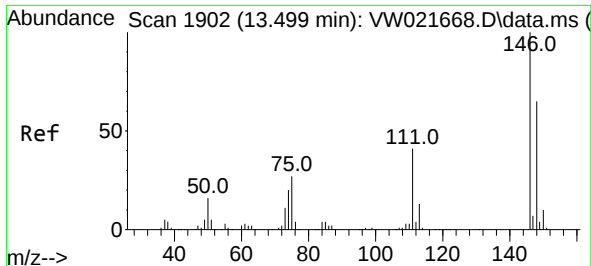
Tgt Ion:105 Resp: 166025

Ion Ratio Lower Upper

105 100

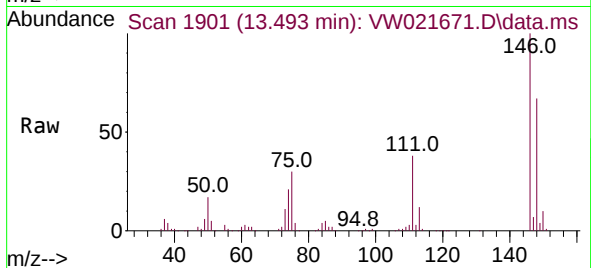
120 45.7 35.0 52.6



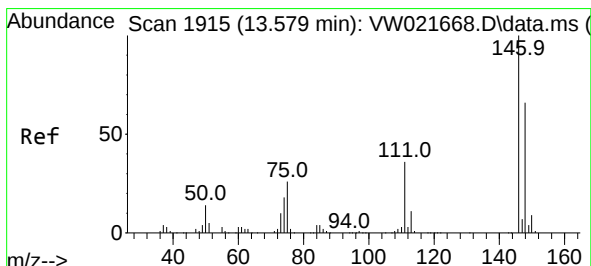
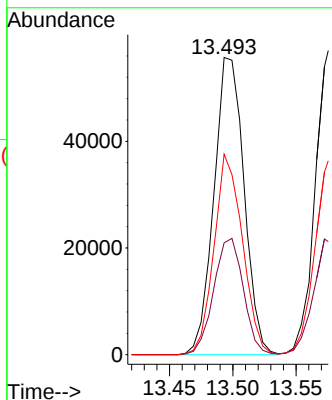
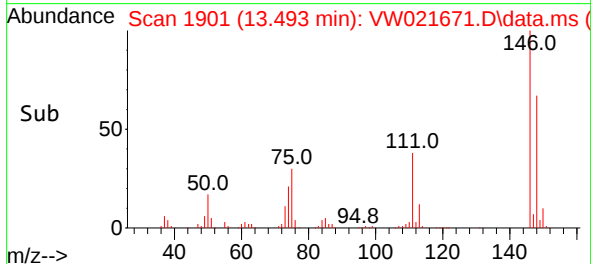


#64  
1,3-Dichlorobenzene  
Concen: 23.038 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. -0.006 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

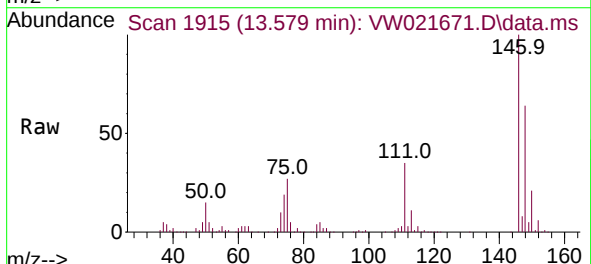
Instrument :  
MSVOA\_W  
ClientSampleId :



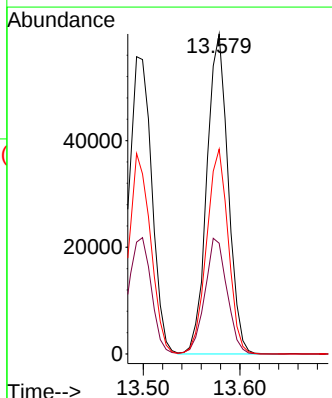
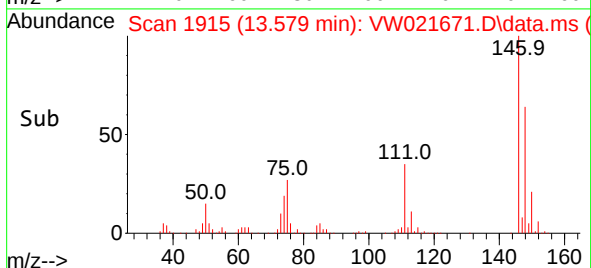
Tgt Ion:146 Resp: 92302  
Ion Ratio Lower Upper  
146 100  
111 37.6 29.8 55.3  
148 67.4 46.2 85.8

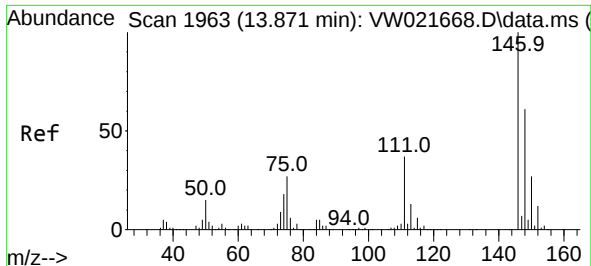


#65  
1,4-Dichlorobenzene  
Concen: 22.964 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10



Tgt Ion:146 Resp: 91742  
Ion Ratio Lower Upper  
146 100  
111 34.6 29.0 53.9  
148 64.0 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 22.161 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

ClientSampleId :

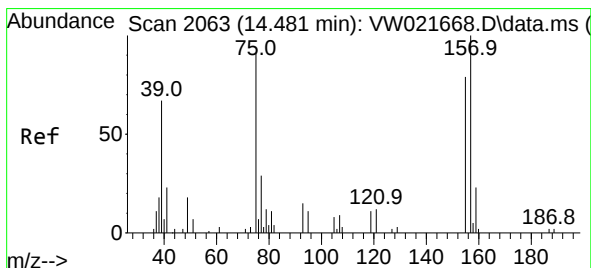
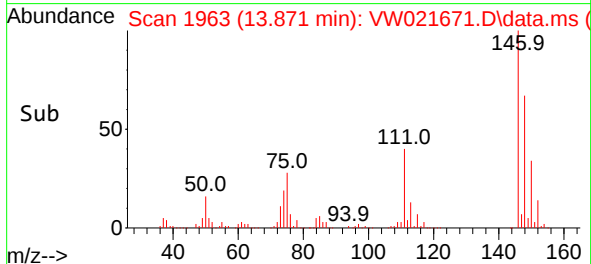
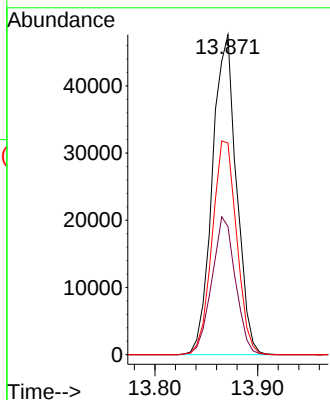
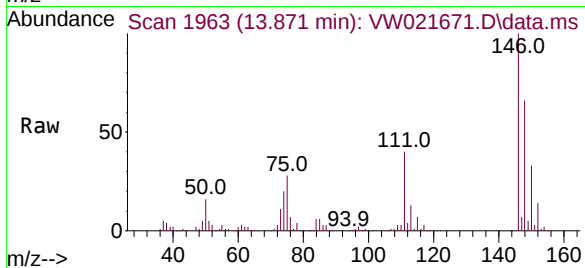
Tgt Ion:146 Resp: 77518

Ion Ratio Lower Upper

146 100

111 40.1 33.1 49.7

148 66.2 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 24.260 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

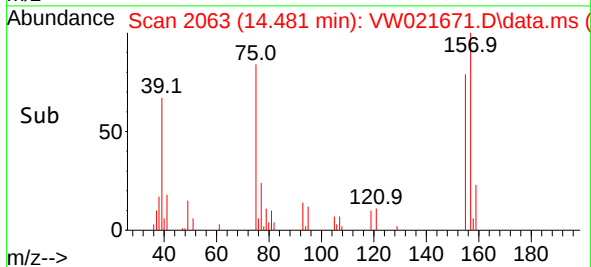
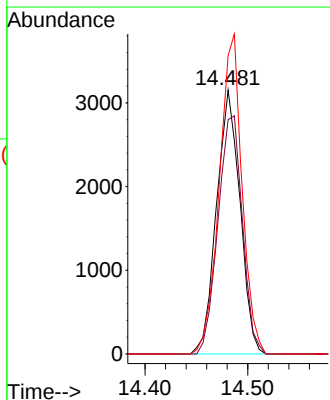
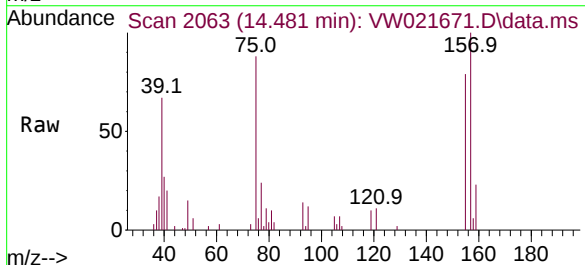
Tgt Ion: 75 Resp: 4976

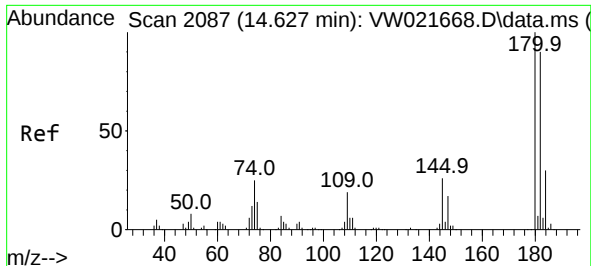
Ion Ratio Lower Upper

75 100

155 88.8 54.2 81.2#

157 113.1 69.4 104.2#

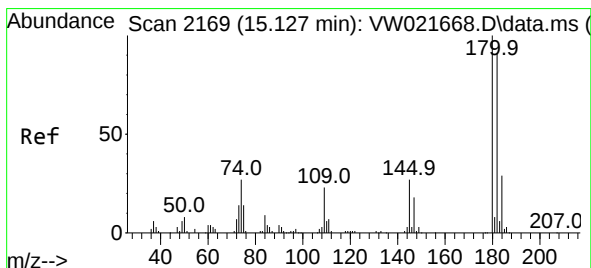
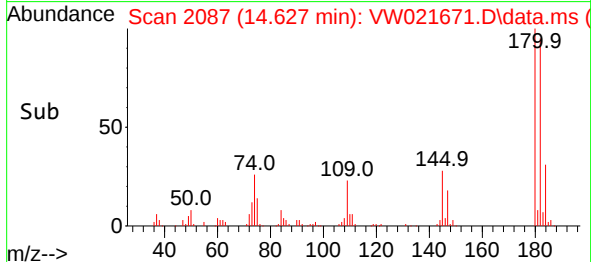
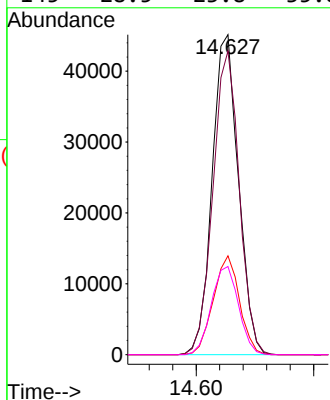
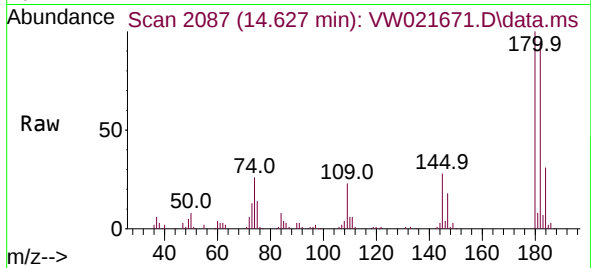




#69  
1,3,5-Trichlorobenzene  
Concen: 23.822 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

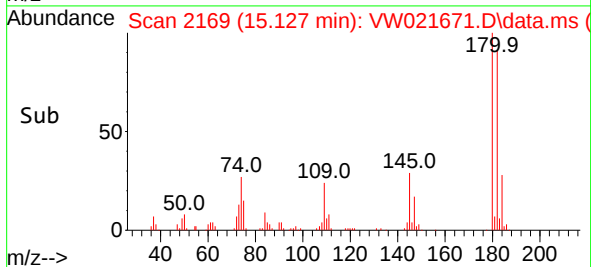
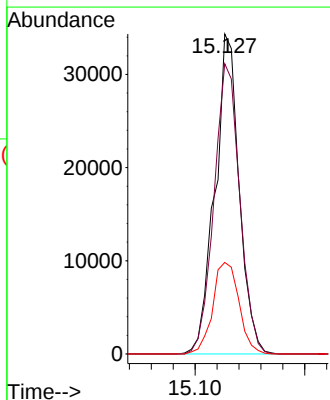
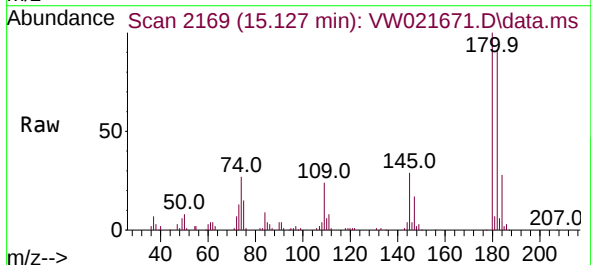
Instrument :  
MSVOA\_W  
ClientSampleId :

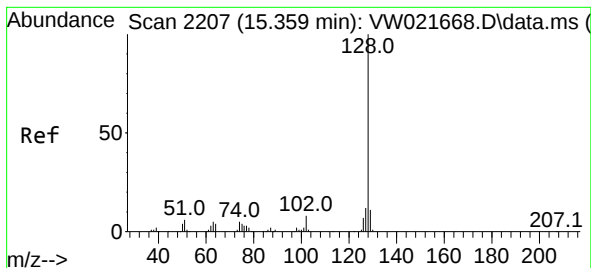
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 70114 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.1  | 75.4  | 113.0 |
| 184       | 30.9  | 23.8  | 35.8  |
| 145       | 28.5  | 23.8  | 35.8  |



#70  
1,2,4-trichlorobenzene  
Concen: 22.520 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. 0.000 min  
Lab File: VW021671.D  
Acq: 28 Dec 2021 13:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 52905 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.0  | 79.0  | 118.6 |
| 145       | 30.9  | 26.0  | 39.0  |





#71

Naphthalene

Concen: 24.631 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW021671.D

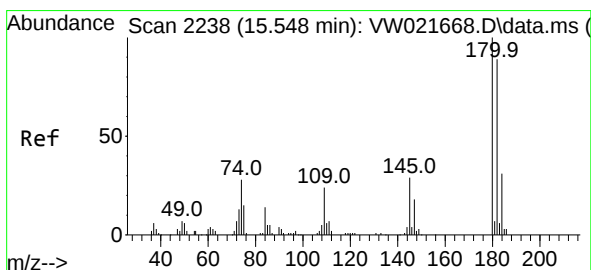
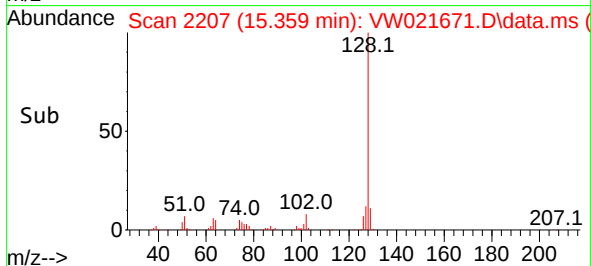
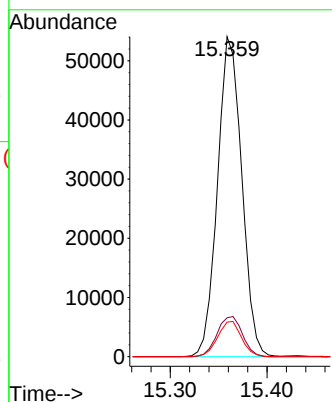
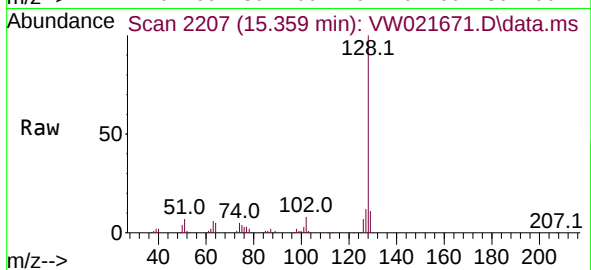
Acq: 28 Dec 2021 13:10

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 94149     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.1  | 10.7 16.1 |
| 129         | 10.9  | 8.6 12.8  |



#72

1,2,3-Trichlorobenzene

Concen: 22.537 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW021671.D

Acq: 28 Dec 2021 13:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 44569      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 96.9  | 76.6 114.8 |
| 145         | 32.1  | 27.4 41.0  |

