

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022822\  
 Data File : VW024832.D  
 Acq On : 28 Feb 2022 11:55  
 Operator : SY/MD  
 Sample : VSTD100  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100210

Quant Time: Mar 01 01:22:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 01 01:20:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114  | 148301   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117  | 146728   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152  | 73797    | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65   | 174944   | 154.558 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.568  | 69   | 136653   | 140.348 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63   | 277518   | 127.267 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.883  | 46   | 211808   | 291.908 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.346  | 84   | 303269   | 147.479 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65   | 180201   | 139.581 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.047  | 84   | 628337   | 142.965 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67   | 196501   | 141.410 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.313  | 98   | 561201   | 139.247 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79   | 87865    | 124.476 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.085  | 63   | 160233   | 279.316 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84   | 231976   | 139.791 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152  | 193310   | 133.388 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127  | 85   | 125125   | 107.950 | ug/L  | 100      |
| 3) Chloromethane              | 1.240  | 50   | 129134   | 111.056 | ug/L  | 99       |
| 5) Vinyl chloride             | 1.310  | 62   | 138627   | 112.346 | ug/L  | 99       |
| 6) Bromomethane               | 1.523  | 94   | 83662    | 110.996 | ug/L  | 99       |
| 8) Chloroethane               | 1.584  | 64   | 79721    | 97.153  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.751  | 101  | 169381   | 96.420  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101  | 100829   | 105.253 | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.117  | 96   | 98315    | 106.376 | ug/L  | 95       |
| 13) Acetone                   | 2.178  | 43   | 115082   | 165.005 | ug/L  | 98       |
| 14) Carbon disulfide          | 2.294  | 76   | 315260   | 119.737 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.432  | 43   | 107857   | 107.420 | ug/L  | 99       |
| 16) Methylene chloride        | 2.506  | 84   | 118385   | 114.230 | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 2.757  | 96   | 110600   | 115.238 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 2.767  | 73   | 334872   | 103.256 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.188  | 63   | 197838   | 107.861 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.908  | 96   | 119829   | 112.105 | ug/L  | 100      |
| 22) 2-Butanone                | 3.969  | 43   | 148250   | 183.825 | ug/L  | 94       |
| 23) Bromochloromethane        | 4.246  | 128  | 58737    | 113.025 | ug/L  | 99       |
| 25) Chloroform                | 4.371  | 83   | 202852   | 106.869 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 144015   | 98.855  | ug/L  | 99       |
| 29) Cyclohexane               | 4.677  | 56   | 173342   | 98.181  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 173871   | 97.059  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.828  | 117  | 146061   | 98.293  | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 454663   | 104.363 | ug/L  | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 123421   | 101.546 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.130  | 83   | 181501   | 98.340  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 115769   | 101.817 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 148173   | 94.544  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 177510   | 96.828  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 282571   | 185.086 | ug/L  | 100      |
| 42) Toluene                   | 7.384  | 91   | 476399   | 102.825 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 165503   | 93.818  | ug/L  | 98       |

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 Sample : VSTD100  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100210

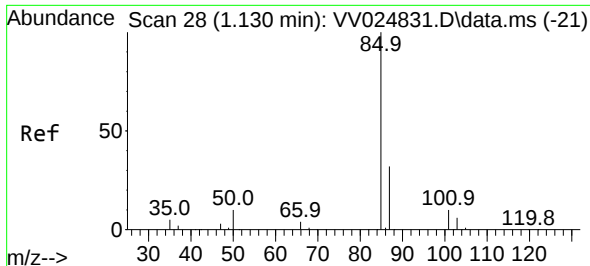
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 01 01:20:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 110448   | 101.414 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.972  | 164  | 78208    | 106.812 | ug/L  | 95       |
| 48) 2-Hexanone                | 8.136  | 43   | 227600   | 178.763 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 109776   | 96.935  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 115596   | 102.370 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.879  | 112  | 293728   | 101.385 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 498852   | 97.841  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.136  | 106  | 190791   | 99.541  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 185924   | 97.634  | ug/L  | 98       |
| 55) Styrene                   | 9.558  | 104  | 324246   | 100.214 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 154979   | 100.344 | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 63721    | 90.658  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.931  | 105  | 487003   | 91.457  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 134048   | 91.873  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 330018   | 75.733  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 411134   | 90.189  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 212240   | 96.614  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 210861   | 94.406  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 210021   | 95.387  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 32217    | 85.541  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 140796   | 96.137  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 124276   | 95.741  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 445143   | 95.203  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 124317   | 97.689  | ug/L  | 99       |

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

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Quant Title : VOC Analysis  
QLast Update : Tue Mar 01 01:20:32 2022  
Response via : Initial Calibration

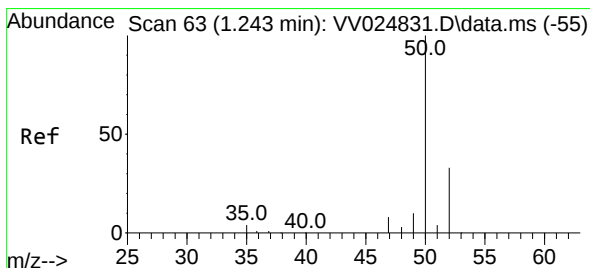
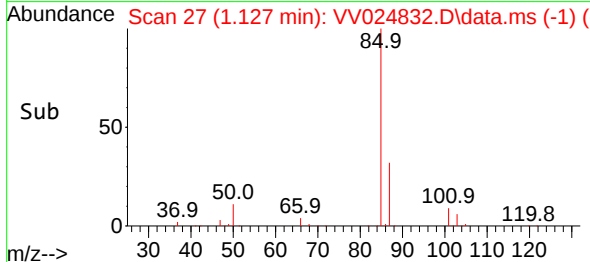
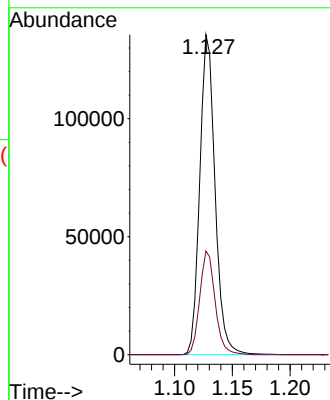
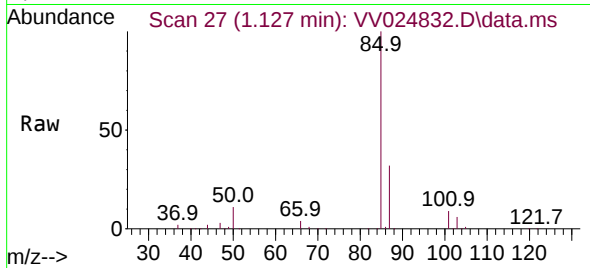




#2  
Dichlorodifluoromethane  
Concen: 107.950 ug/L  
RT: 1.127 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

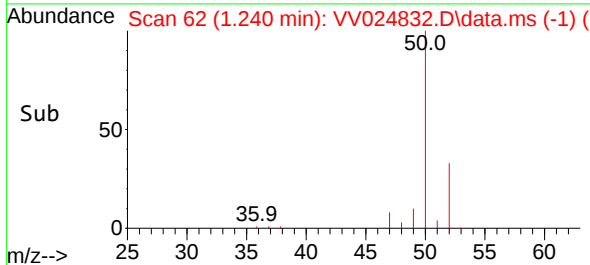
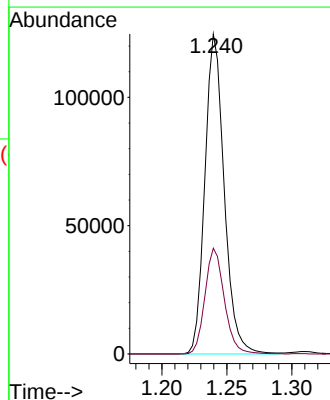
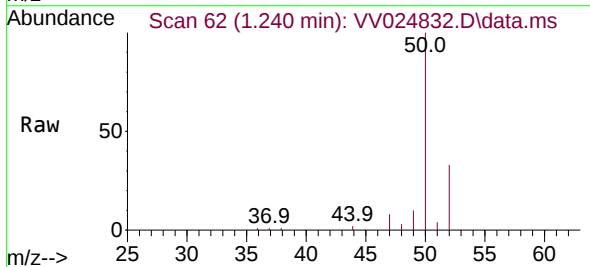
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

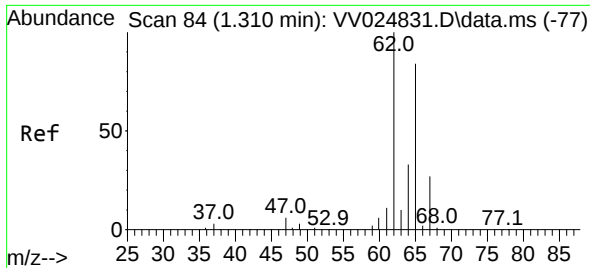
Tgt Ion: 85 Resp: 125125  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.8 38.8



#3  
Chloromethane  
Concen: 111.056 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. -0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 50 Resp: 129134  
Ion Ratio Lower Upper  
50 100  
52 33.0 22.8 42.4

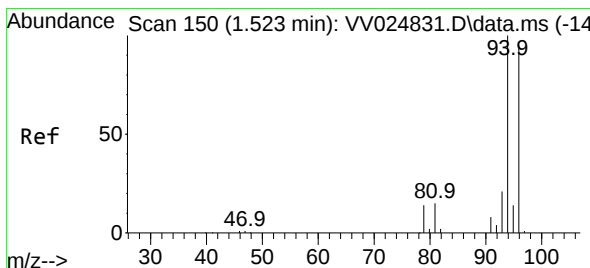
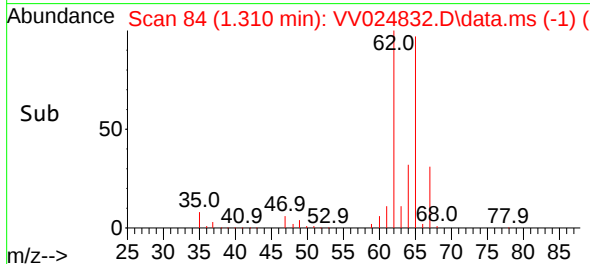
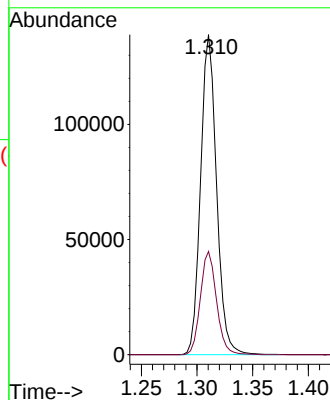
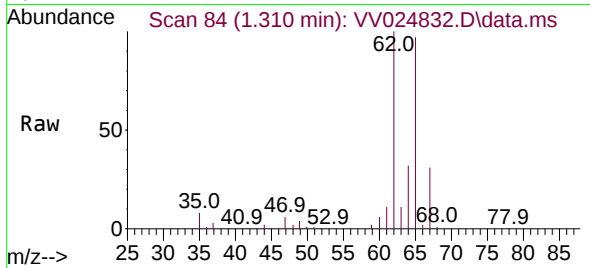




#5  
 Vinyl chloride  
 Concen: 112.346 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. -0.000 min  
 Lab File: VV024832.D  
 Acq: 28 Feb 2022 11:55

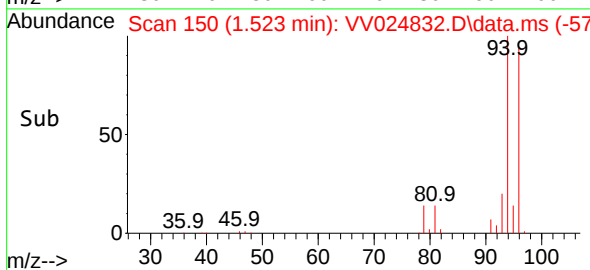
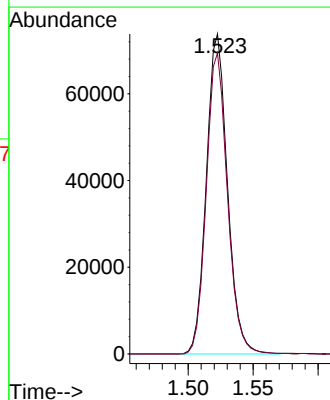
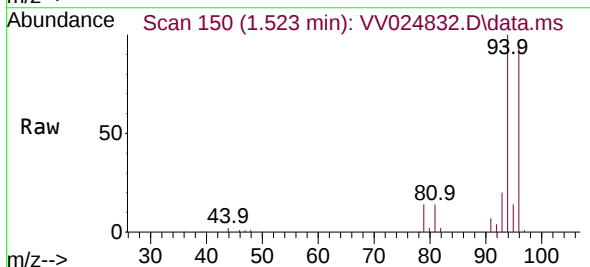
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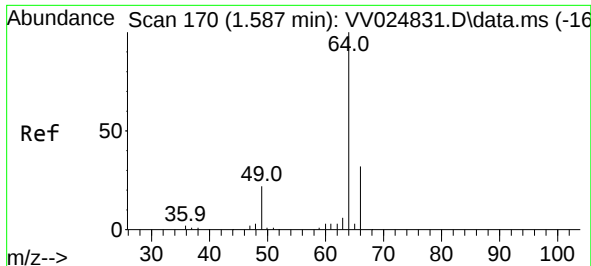
Tgt Ion: 62 Resp: 138627  
 Ion Ratio Lower Upper  
 62 100  
 64 32.3 23.2 43.0



#6  
 Bromomethane  
 Concen: 110.996 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. -0.000 min  
 Lab File: VV024832.D  
 Acq: 28 Feb 2022 11:55

Tgt Ion: 94 Resp: 83662  
 Ion Ratio Lower Upper  
 94 100  
 96 94.1 66.7 123.9

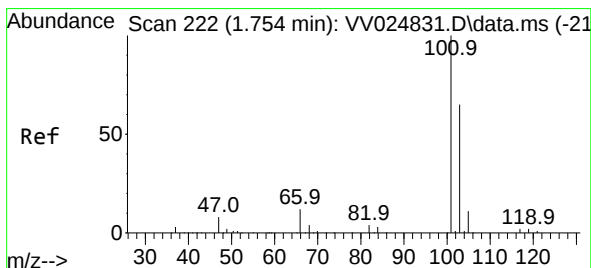
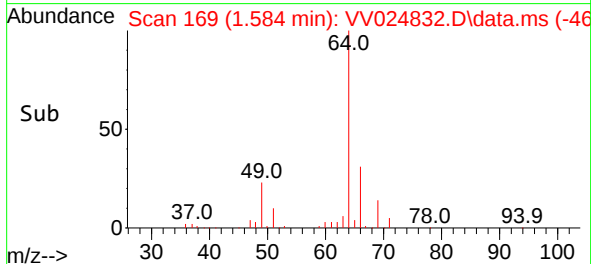
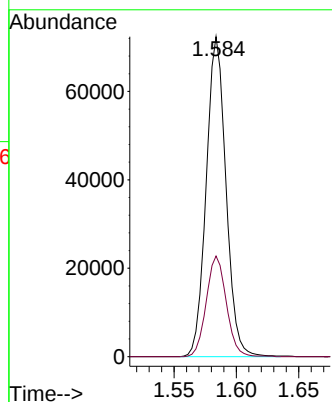
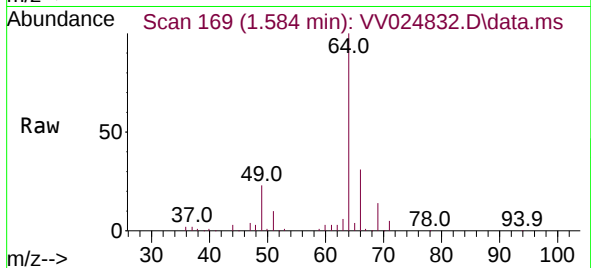




#8  
Chloroethane  
Concen: 97.153 ug/L  
RT: 1.584 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

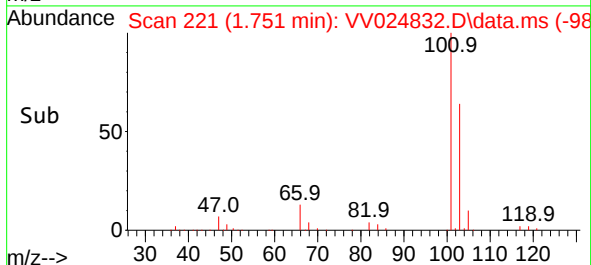
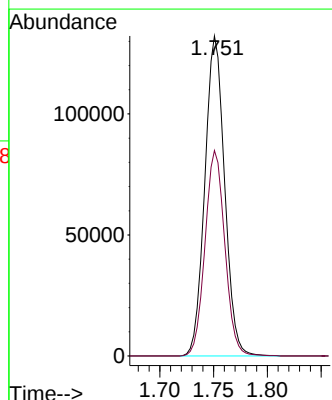
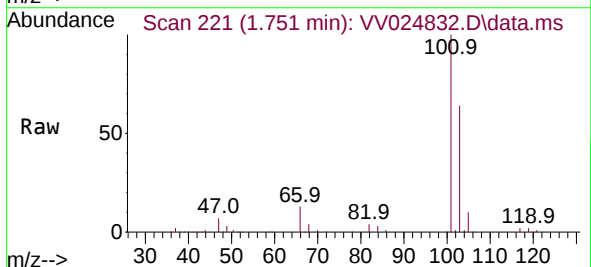
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

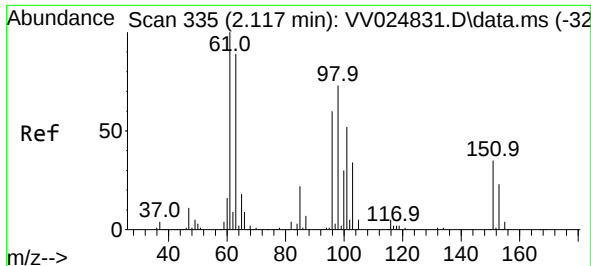
Tgt Ion: 64 Resp: 79721  
Ion Ratio Lower Upper  
64 100  
66 31.5 22.2 41.2



#9  
Trichlorofluoromethane  
Concen: 96.420 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. -0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion:101 Resp: 169381  
Ion Ratio Lower Upper  
101 100  
103 64.3 52.1 78.1

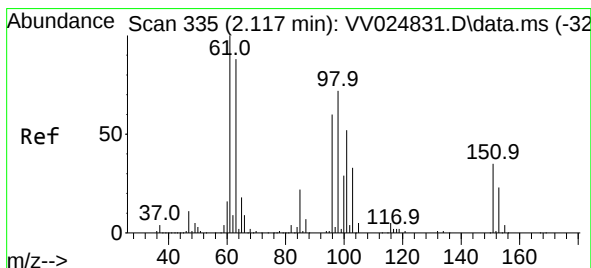
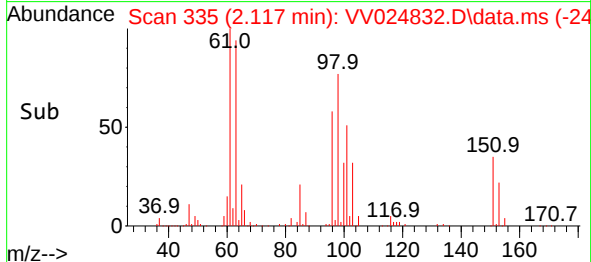
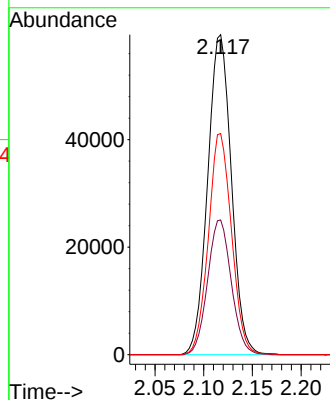
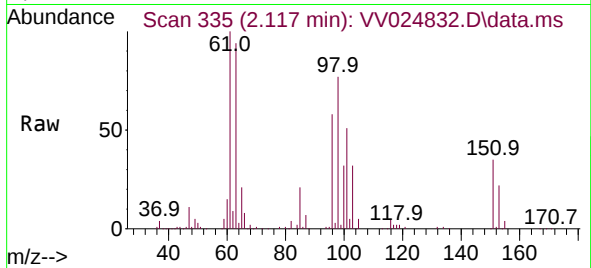




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 105.253 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. -0.000 min  
 Lab File: VV024832.D  
 Acq: 28 Feb 2022 11:55

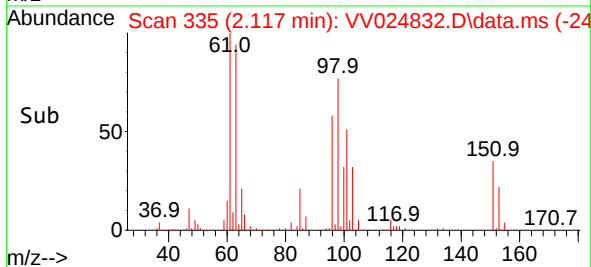
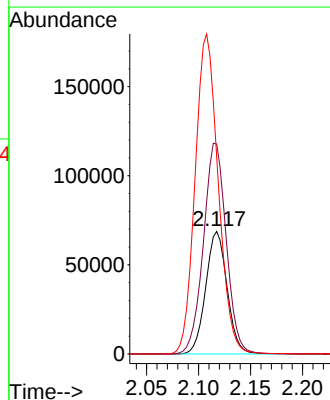
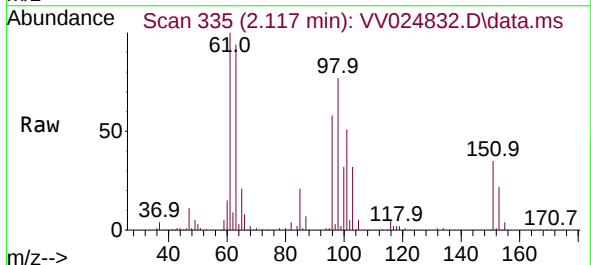
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100210

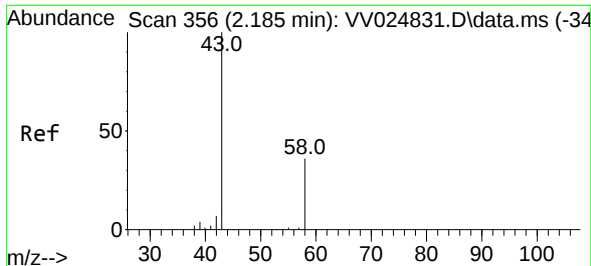
Tgt Ion:101 Resp: 100829  
 Ion Ratio Lower Upper  
 101 100  
 85 42.0 33.8 50.8  
 151 67.5 54.1 81.1



#12  
 1,1-Dichloroethene  
 Concen: 106.376 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. -0.000 min  
 Lab File: VV024832.D  
 Acq: 28 Feb 2022 11:55

Tgt Ion: 96 Resp: 98315  
 Ion Ratio Lower Upper  
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 61 171.2 117.6 218.4  
 63 160.7 105.3 195.5

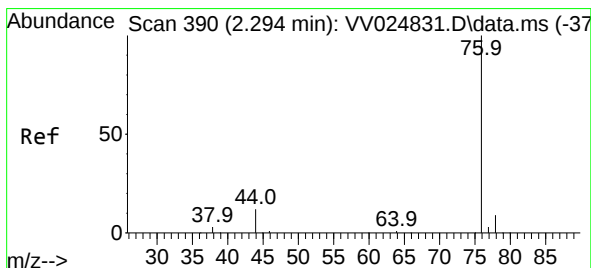
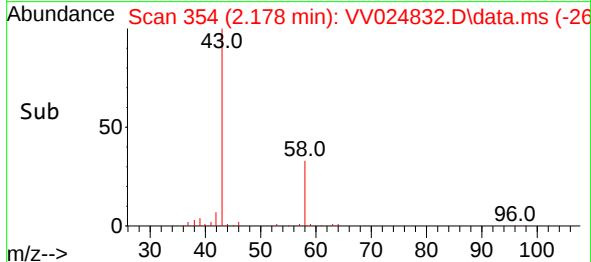
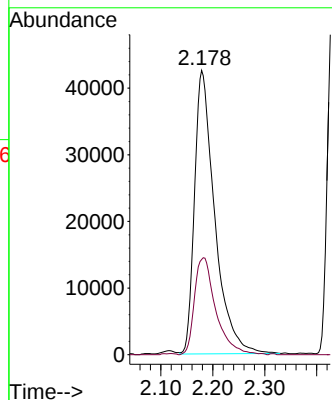
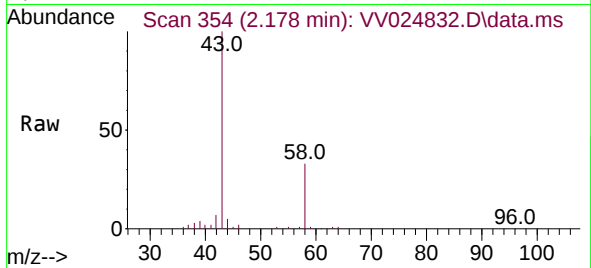




#13  
Acetone  
Concen: 165.005 ug/L  
RT: 2.178 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

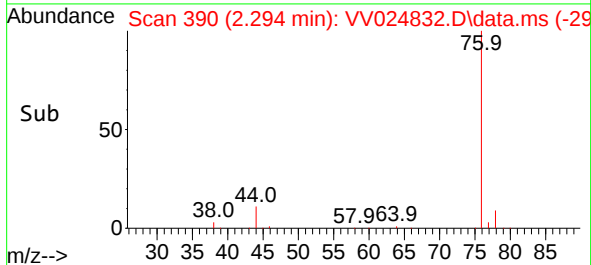
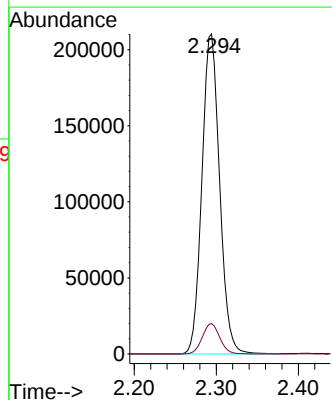
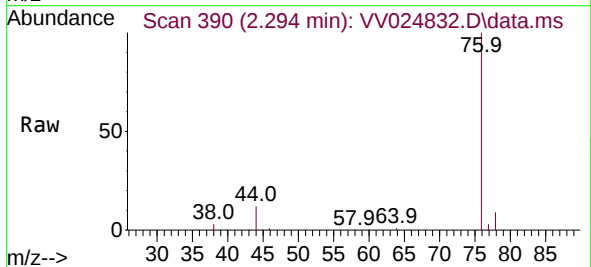
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

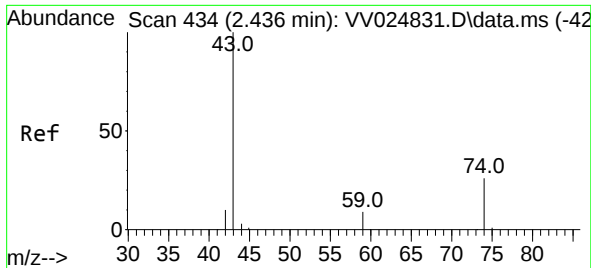
Tgt Ion: 43 Resp: 115082  
Ion Ratio Lower Upper  
43 100  
58 36.0 0.0 70.0



#14  
Carbon disulfide  
Concen: 119.737 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 76 Resp: 315260  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.4 11.0

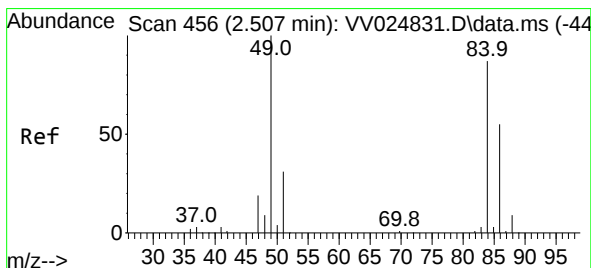
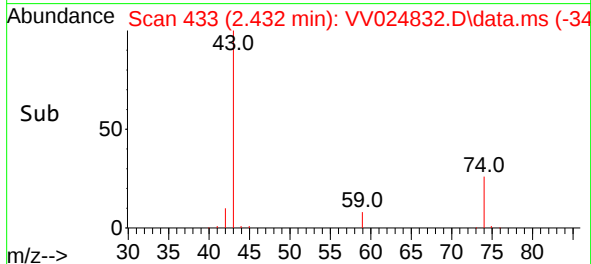
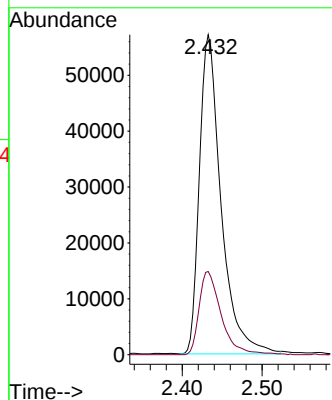
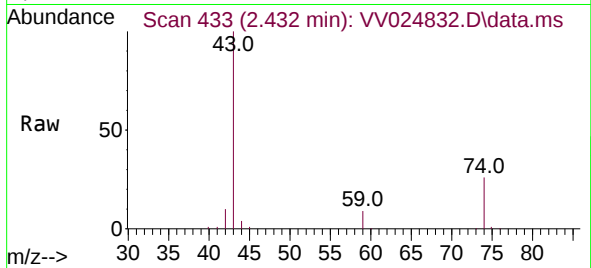




#15  
Methyl Acetate  
Concen: 107.420 ug/L  
RT: 2.432 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

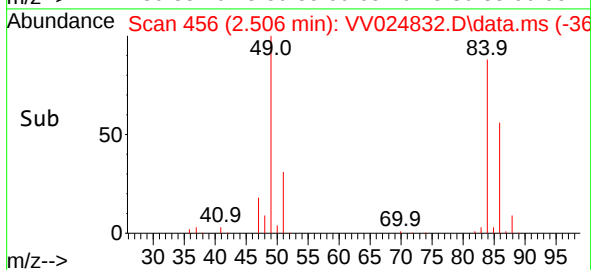
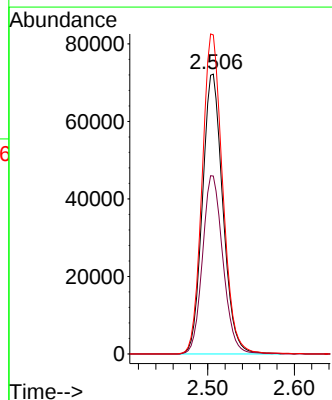
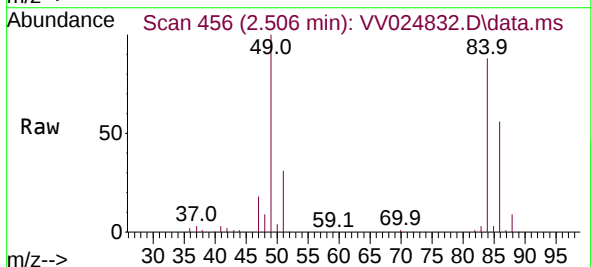
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

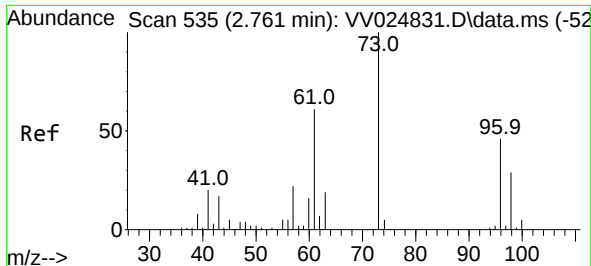
Tgt Ion: 43 Resp: 107857  
Ion Ratio Lower Upper  
43 100  
74 26.5 21.0 31.4



#16  
Methylene chloride  
Concen: 114.230 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 84 Resp: 118385  
Ion Ratio Lower Upper  
84 100  
86 63.6 44.3 82.3  
49 114.0 80.7 149.9

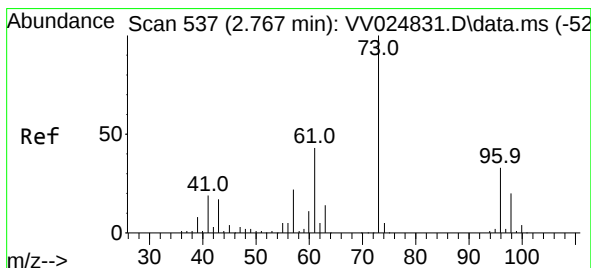
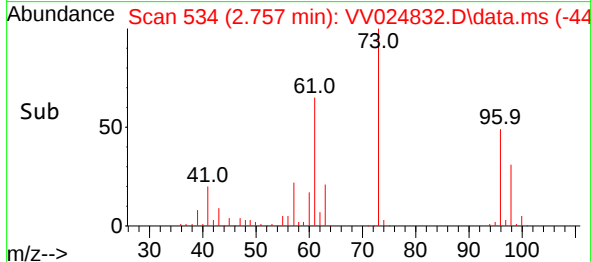
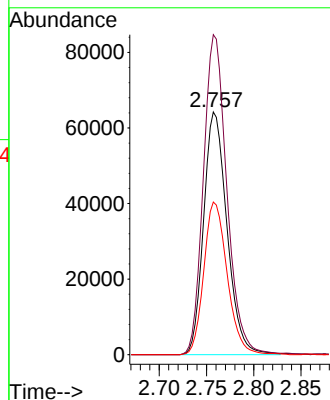
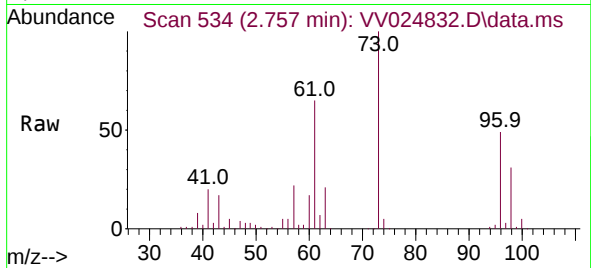




#17  
trans-1,2-Dichloroethene  
Concen: 115.238 ug/L  
RT: 2.757 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

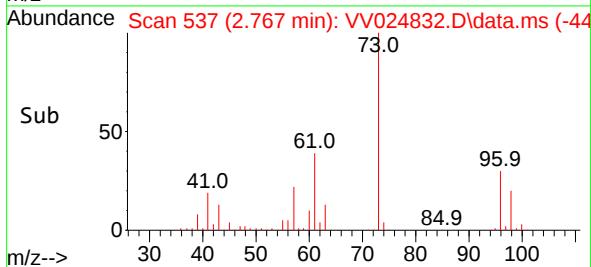
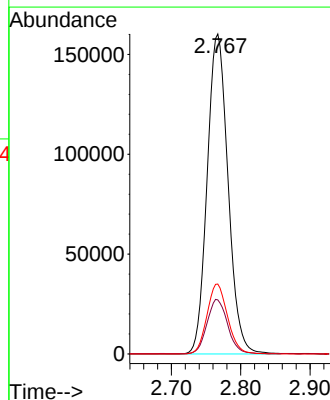
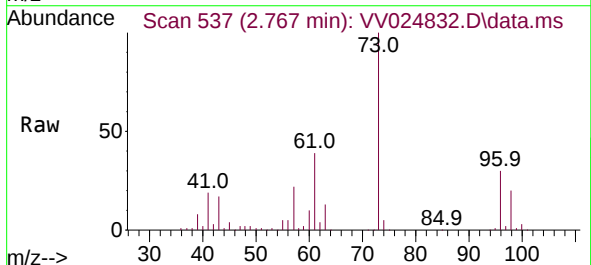
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

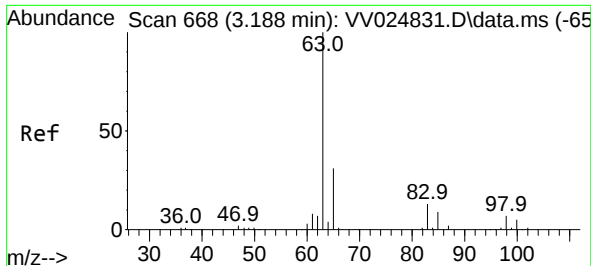
Tgt Ion: 96 Resp: 110600  
Ion Ratio Lower Upper  
96 100  
61 131.9 93.7 173.9  
98 62.9 43.7 81.1



#18  
Methyl tert-butyl Ether  
Concen: 103.256 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 73 Resp: 334872  
Ion Ratio Lower Upper  
73 100  
43 16.8 13.6 20.4  
57 21.6 17.4 26.2





#19

1,1-Dichloroethane

Concen: 107.861 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100210

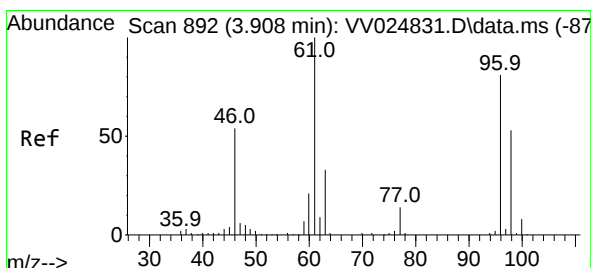
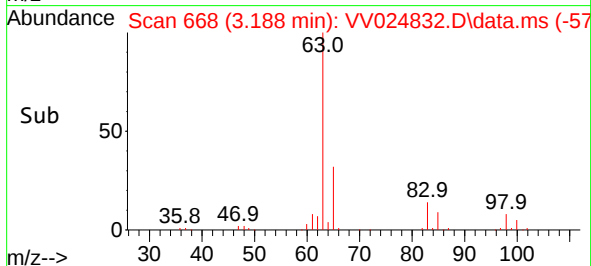
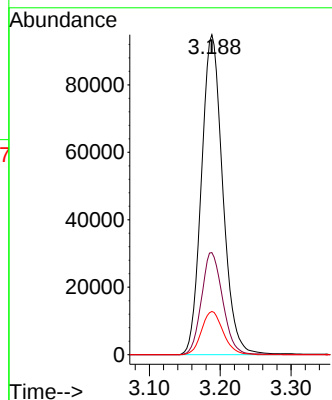
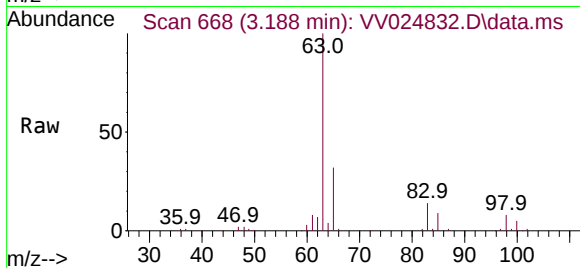
Tgt Ion: 63 Resp: 197838

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

83 13.5 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 112.105 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

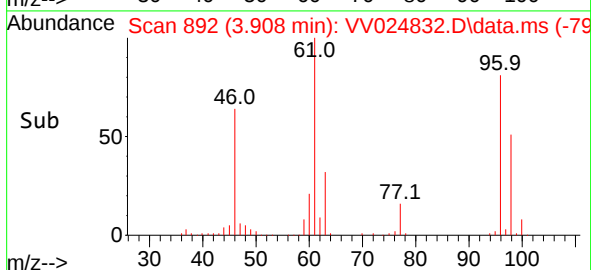
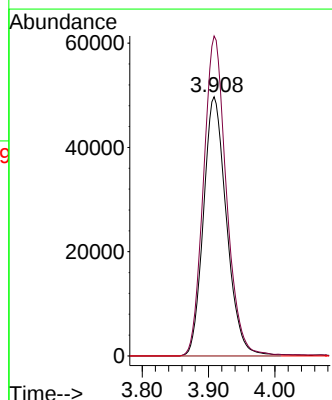
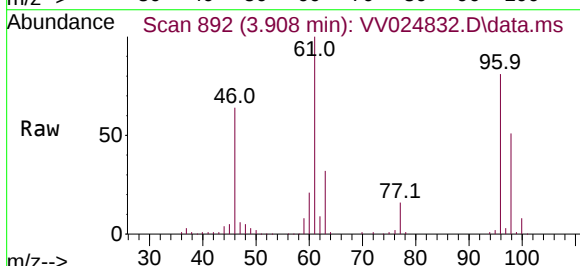
Tgt Ion: 96 Resp: 119829

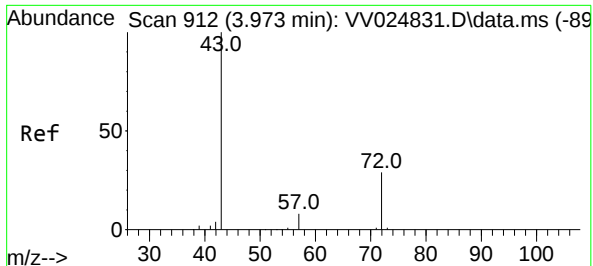
Ion Ratio Lower Upper

96 100

61 123.4 86.1 159.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 183.825 ug/L

RT: 3.969 min Scan# 911

Delta R.T. -0.003 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

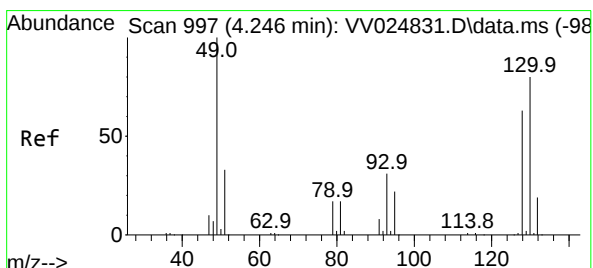
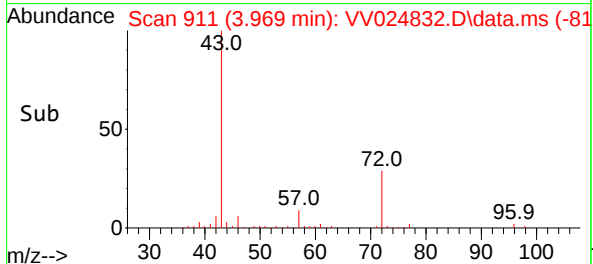
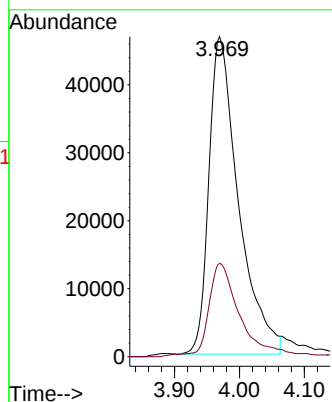
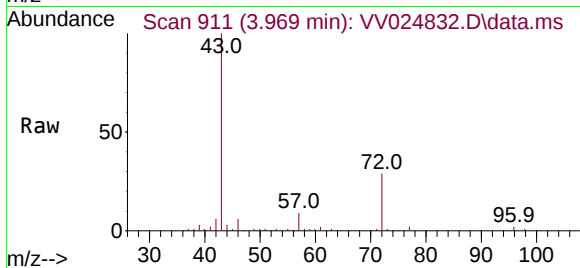
VSTD100210

Tgt Ion: 43 Resp: 148250

Ion Ratio Lower Upper

43 100

72 30.7 13.9 41.6



#23

Bromochloromethane

Concen: 113.025 ug/L

RT: 4.246 min Scan# 997

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Tgt Ion: 128 Resp: 58737

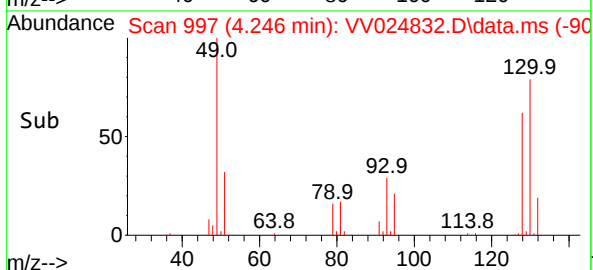
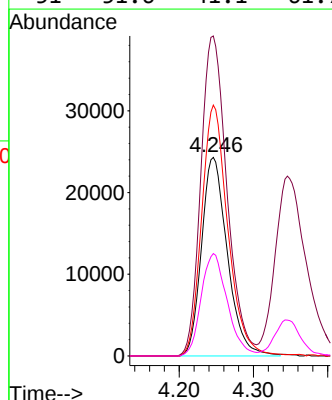
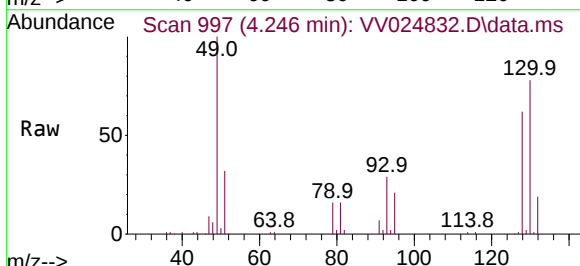
Ion Ratio Lower Upper

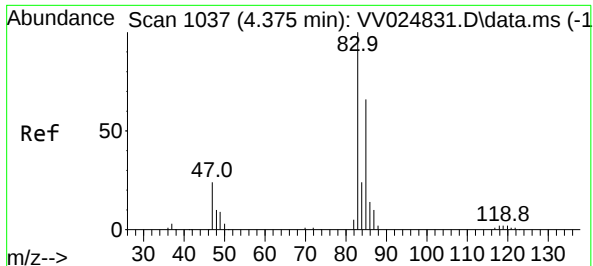
128 100

49 161.1 110.9 205.9

130 126.3 88.5 164.3

51 51.6 41.1 61.7





#25

Chloroform

Concen: 106.869 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

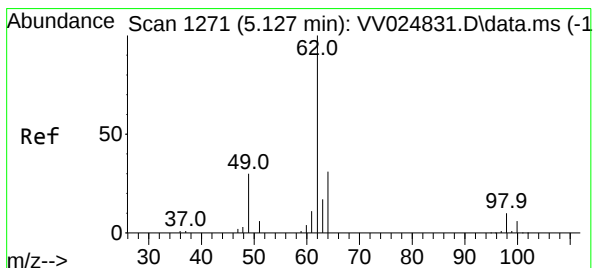
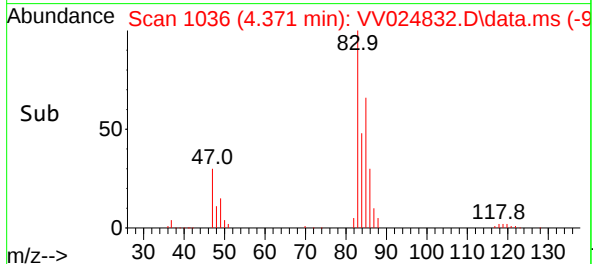
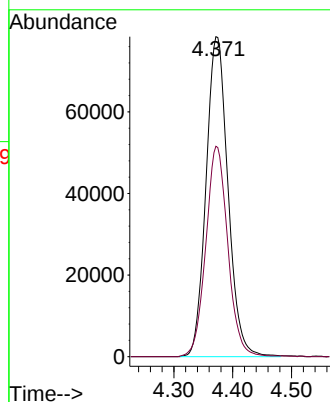
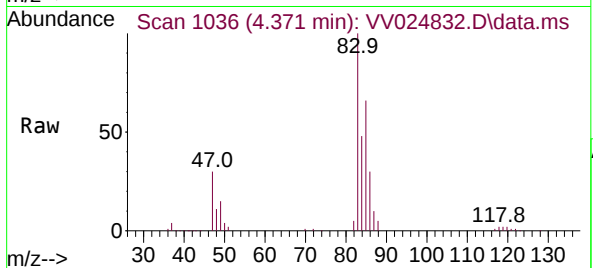
VSTD100210

Tgt Ion: 83 Resp: 202852

Ion Ratio Lower Upper

83 100

85 65.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 98.855 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VV024832.D

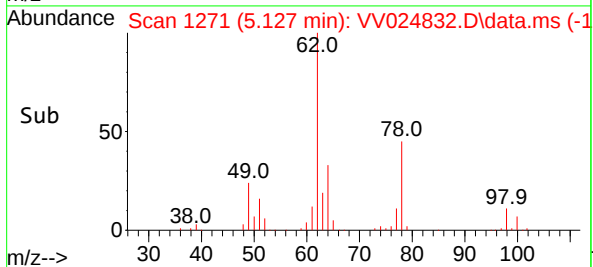
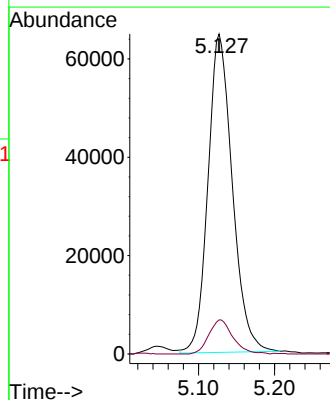
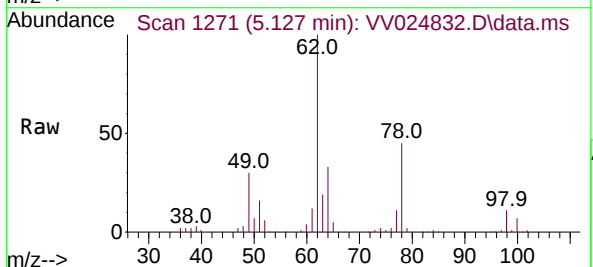
Acq: 28 Feb 2022 11:55

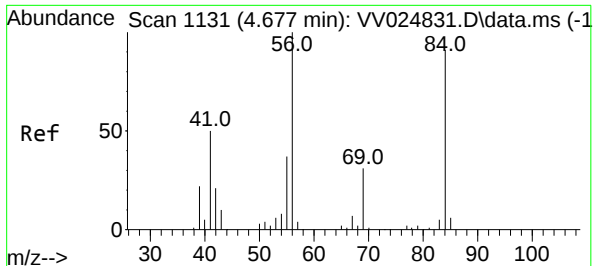
Tgt Ion: 62 Resp: 144015

Ion Ratio Lower Upper

62 100

98 10.6 8.2 12.4





#29

Cyclohexane

Concen: 98.181 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100210

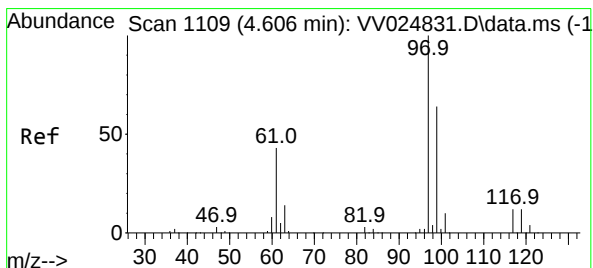
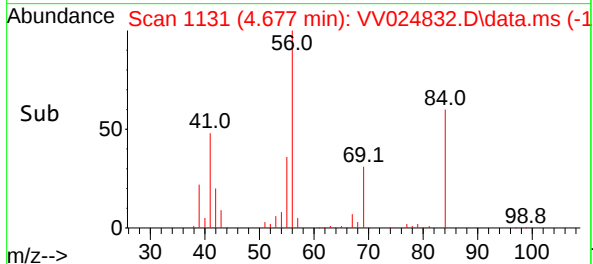
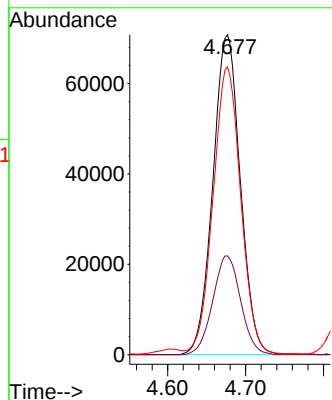
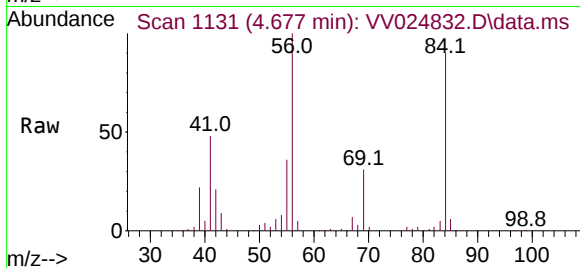
Tgt Ion: 56 Resp: 173342

Ion Ratio Lower Upper

56 100

69 31.4 25.0 37.6

84 90.2 73.4 110.2



#30

1,1,1-Trichloroethane

Concen: 97.059 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

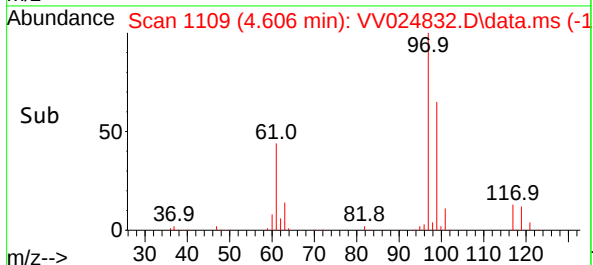
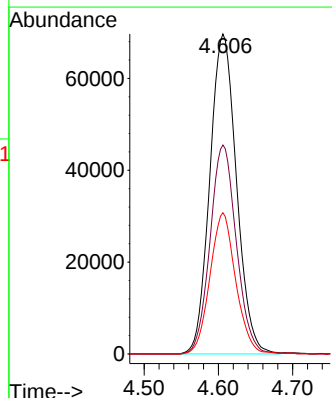
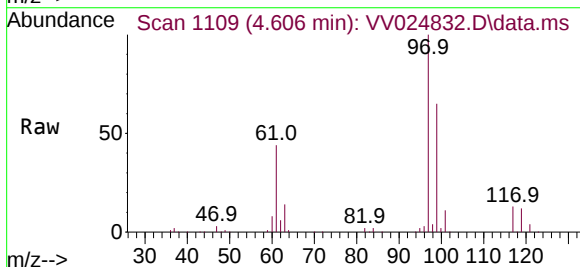
Tgt Ion: 97 Resp: 173871

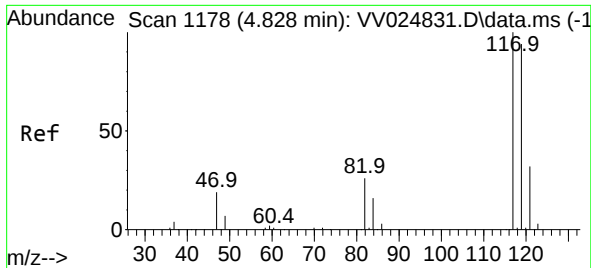
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 42.7 33.8 50.8

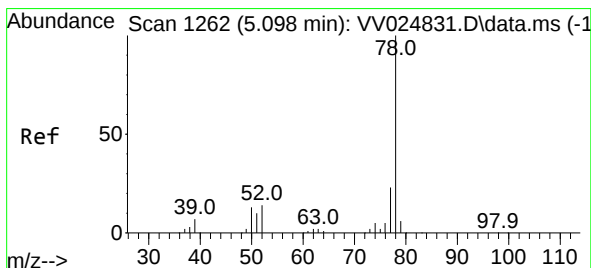
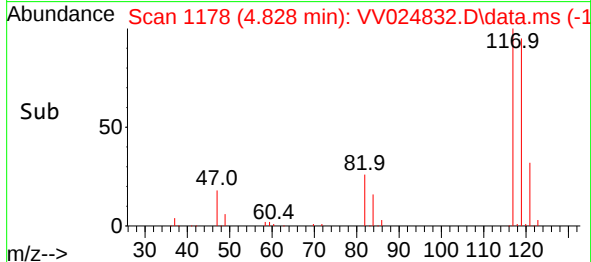
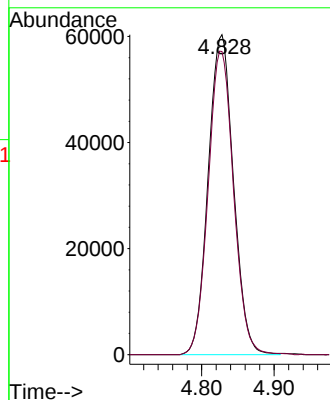
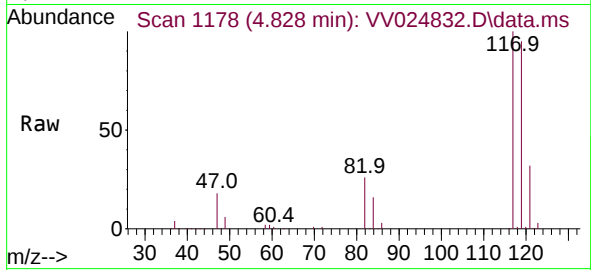




#31  
Carbon tetrachloride  
Concen: 98.293 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

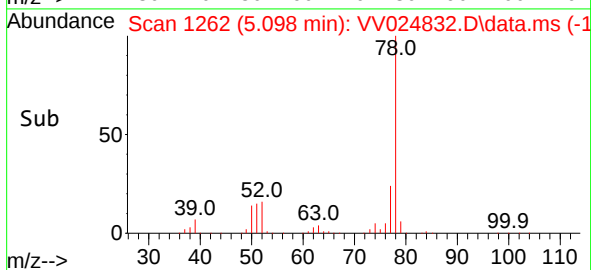
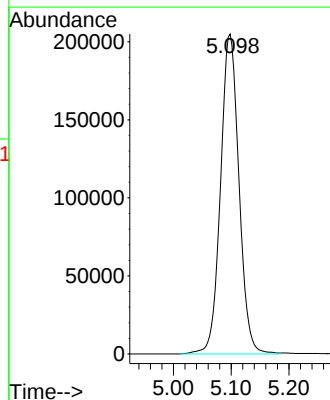
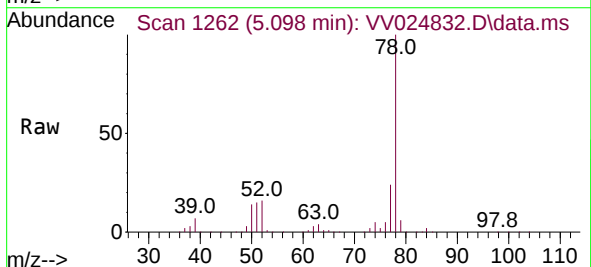
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

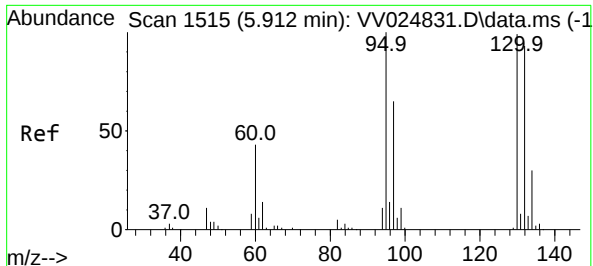
Tgt Ion:117 Resp: 146061  
Ion Ratio Lower Upper  
117 100  
119 95.4 75.8 113.8



#33  
Benzene  
Concen: 104.363 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 78 Resp: 454663

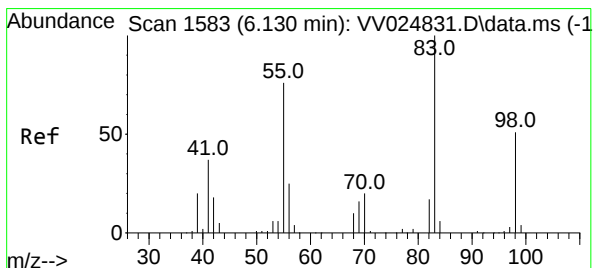
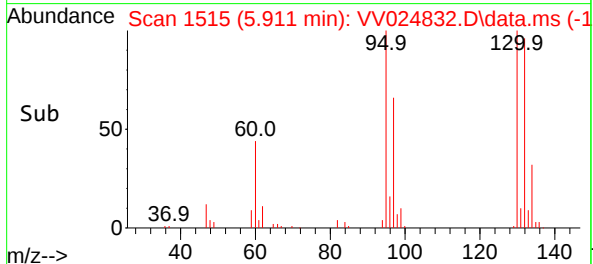
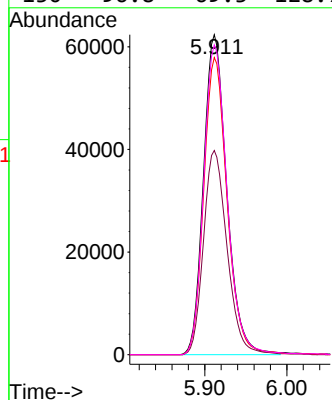
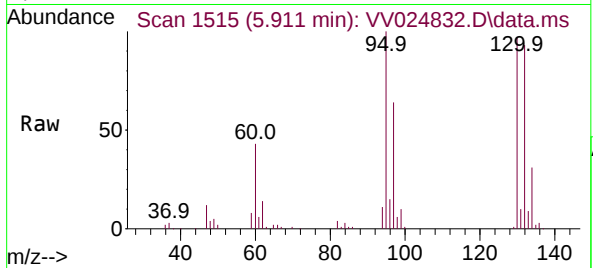




#34  
Trichloroethene  
Concen: 101.546 ug/L  
RT: 5.911 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

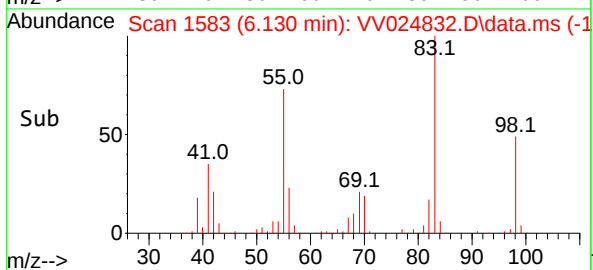
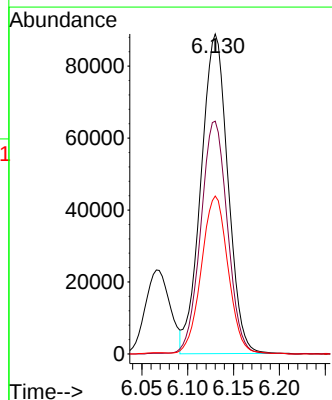
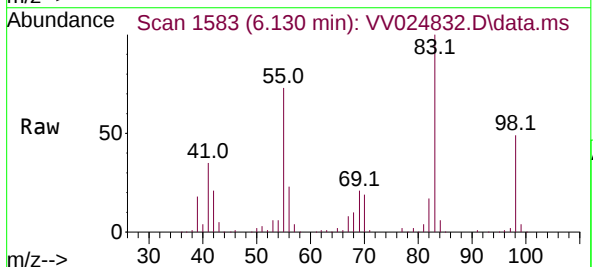
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

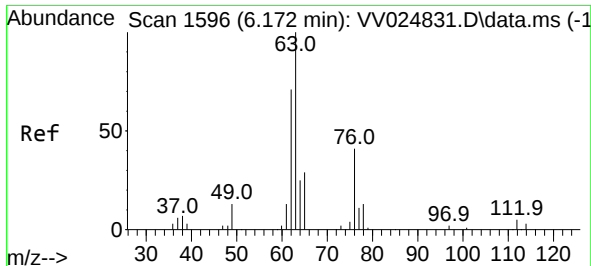
Tgt Ion: 95 Resp: 123421  
Ion Ratio Lower Upper  
95 100  
97 63.8 45.3 84.1  
132 92.9 65.0 120.6  
130 96.8 69.3 128.7



#35  
Methylcyclohexane  
Concen: 98.340 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 83 Resp: 181501  
Ion Ratio Lower Upper  
83 100  
55 72.4 57.7 86.5  
98 48.7 38.9 58.3





#37

1,2-Dichloropropane

Concen: 101.817 ug/L

RT: 6.172 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

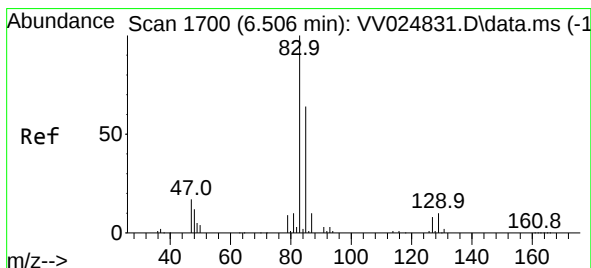
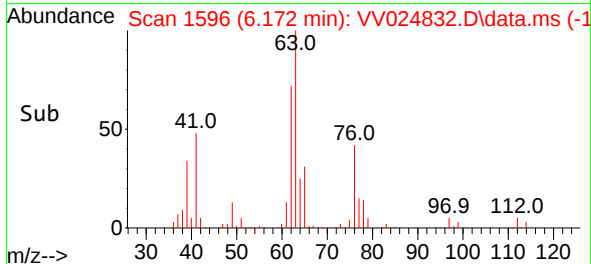
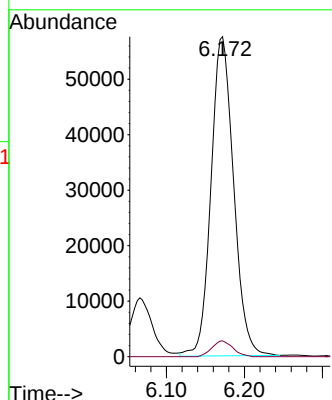
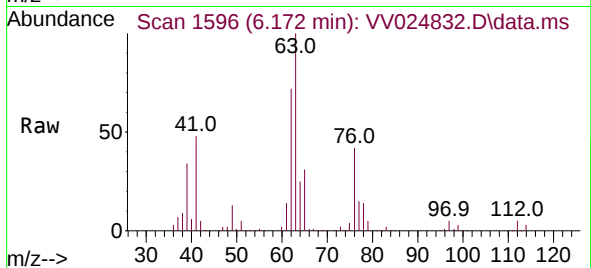
VSTD100210

Tgt Ion: 63 Resp: 115769

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



#38

Bromodichloromethane

Concen: 94.544 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

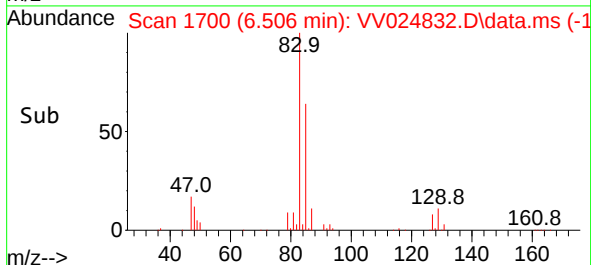
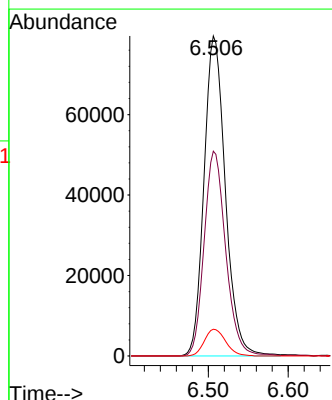
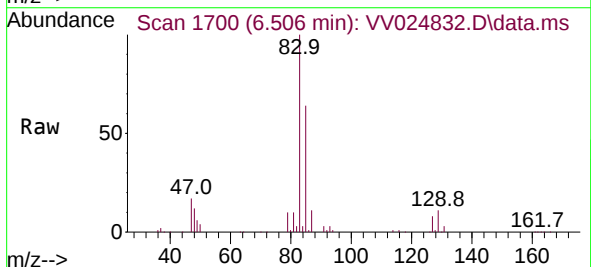
Tgt Ion: 83 Resp: 148173

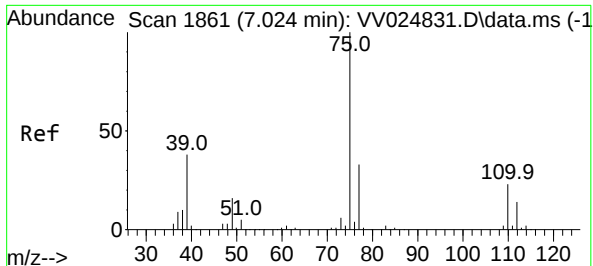
Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

127 8.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 96.828 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

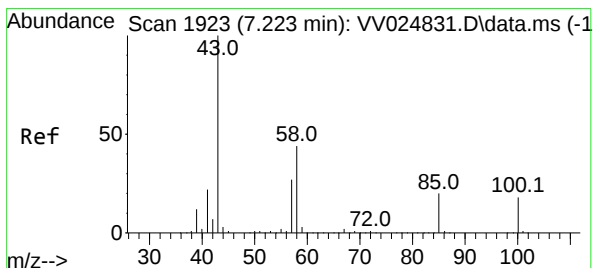
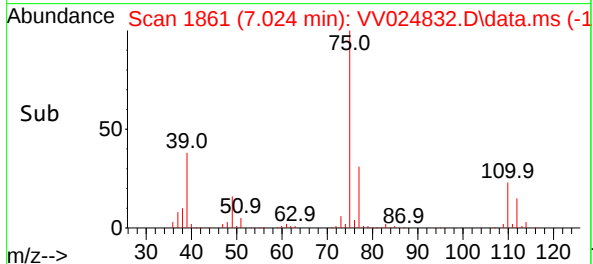
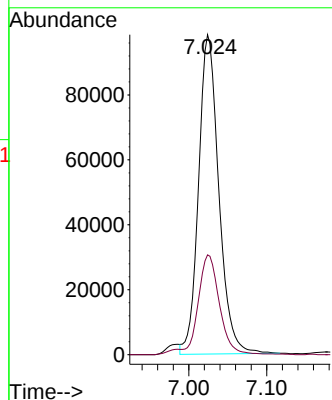
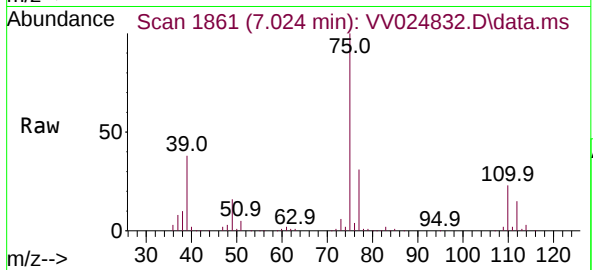
VSTD100210

Tgt Ion: 75 Resp: 177510

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 185.086 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

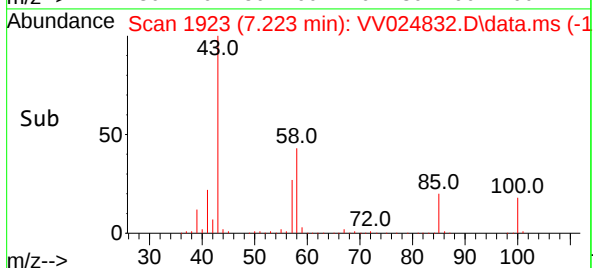
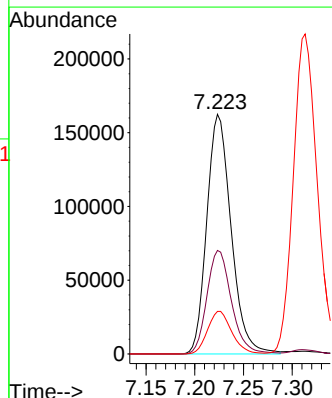
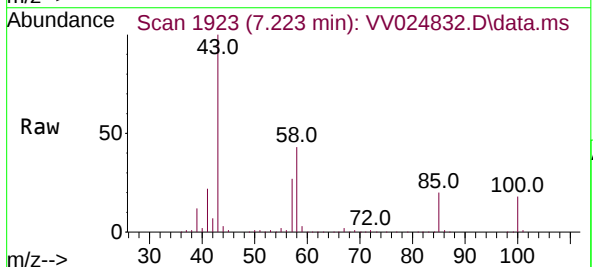
Tgt Ion: 43 Resp: 282571

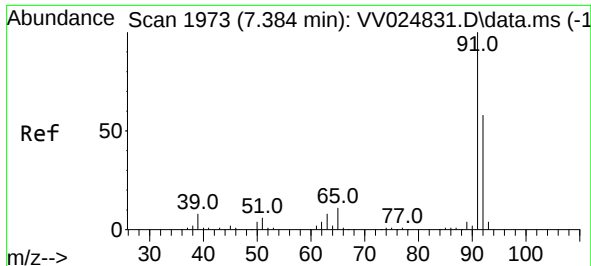
Ion Ratio Lower Upper

43 100

58 43.4 34.8 52.2

100 17.7 14.2 21.2





#42

Toluene

Concen: 102.825 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

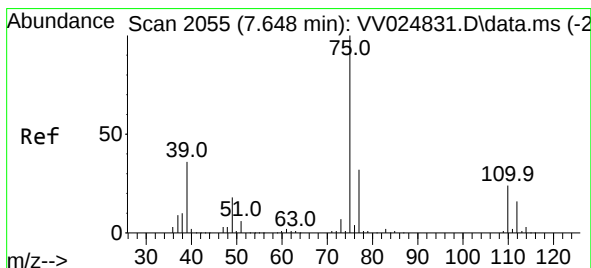
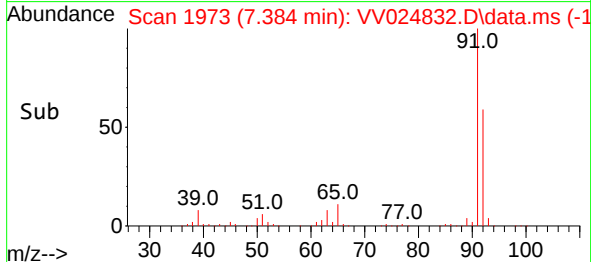
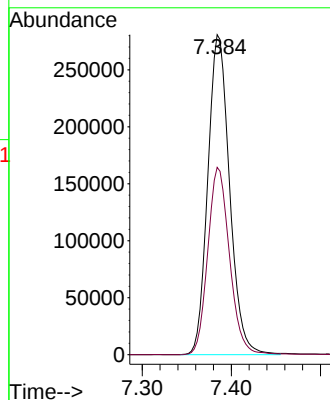
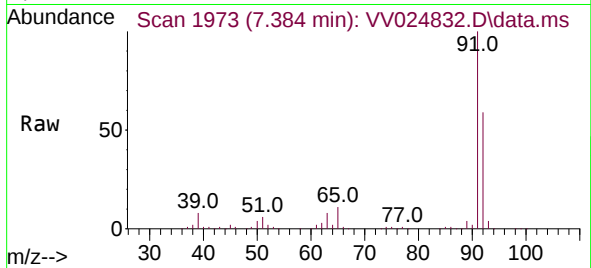
VSTD100210

Tgt Ion: 91 Resp: 476399

Ion Ratio Lower Upper

91 100

92 58.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 93.818 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.000 min

Lab File: VV024832.D

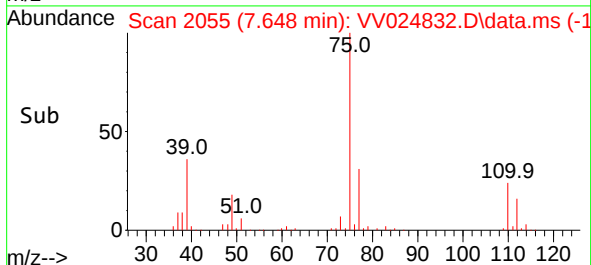
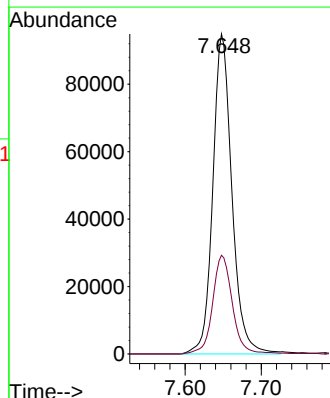
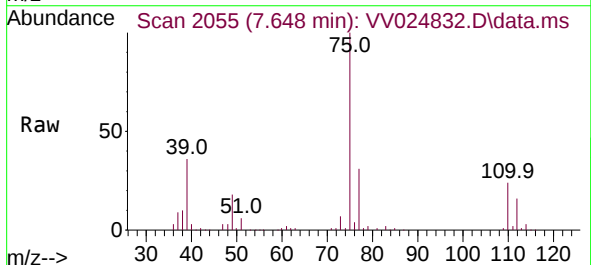
Acq: 28 Feb 2022 11:55

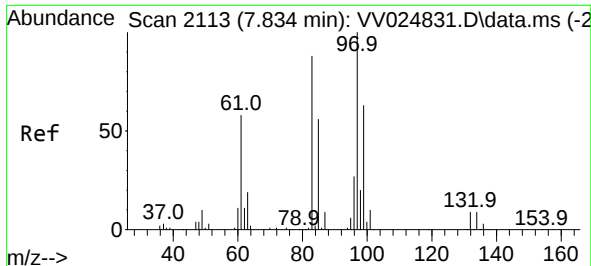
Tgt Ion: 75 Resp: 165503

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 101.414 ug/L

RT: 7.837 min Scan# 2113

Delta R.T. 0.003 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100210

Tgt Ion: 97 Resp: 110448

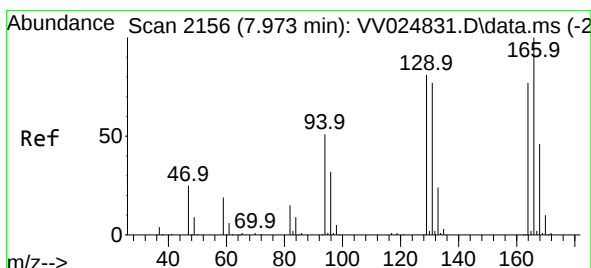
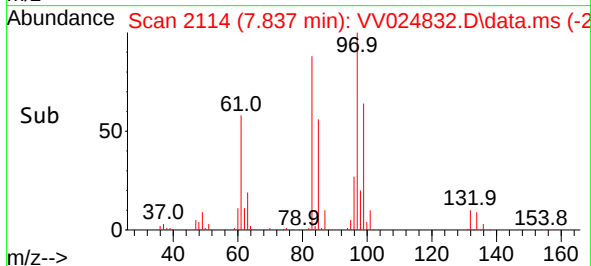
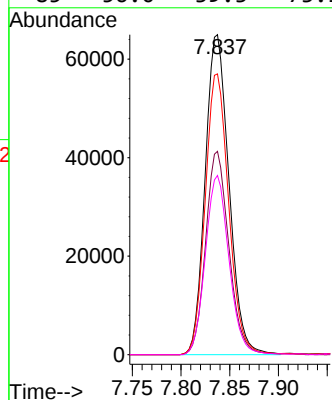
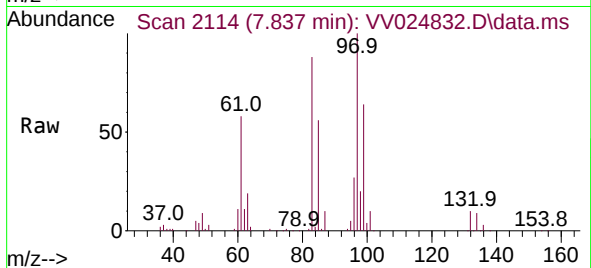
Ion Ratio Lower Upper

97 100

99 63.6 43.9 81.5

83 87.7 61.7 114.5

85 56.0 39.3 73.1



#46

Tetrachloroethene

Concen: 106.812 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Tgt Ion:164 Resp: 78208

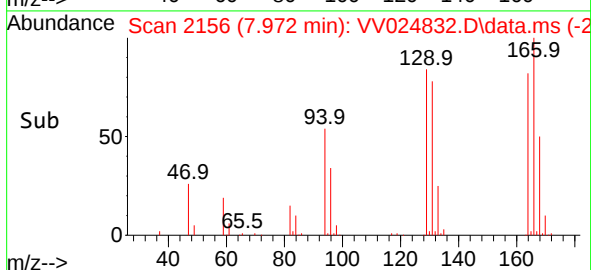
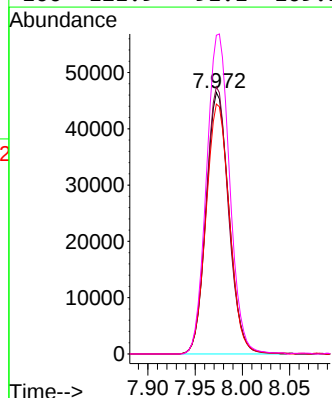
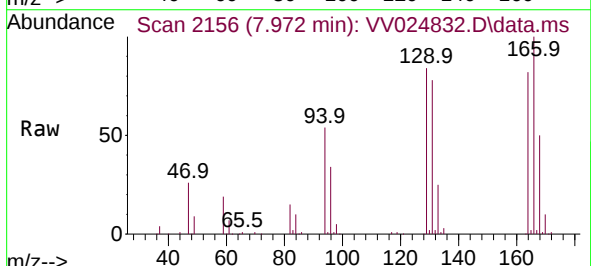
Ion Ratio Lower Upper

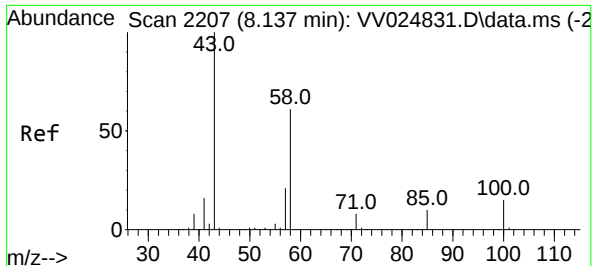
164 100

129 102.2 74.1 137.7

131 95.6 70.1 130.1

166 121.9 91.1 169.1



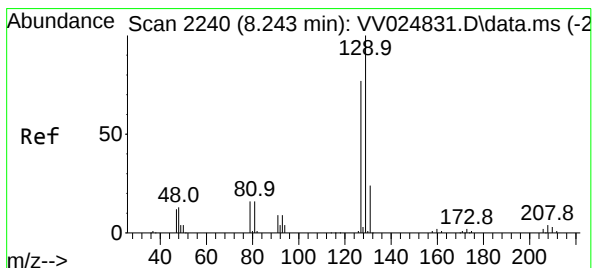
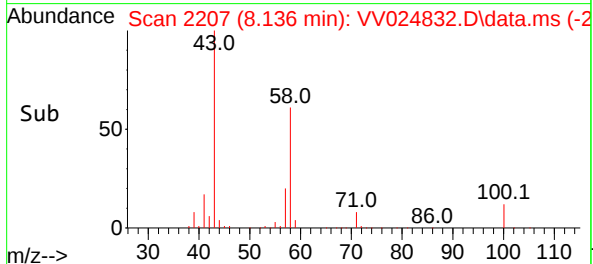
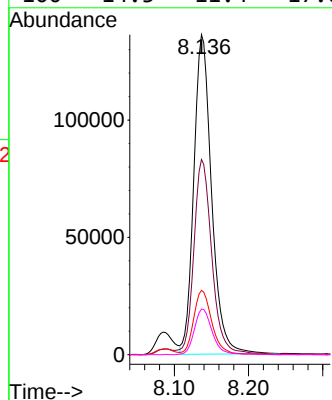
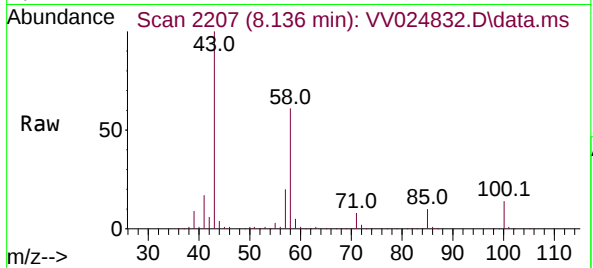


#48  
2-Hexanone  
Concen: 178.763 ug/L  
RT: 8.136 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

Tgt Ion: 43 Resp: 227600

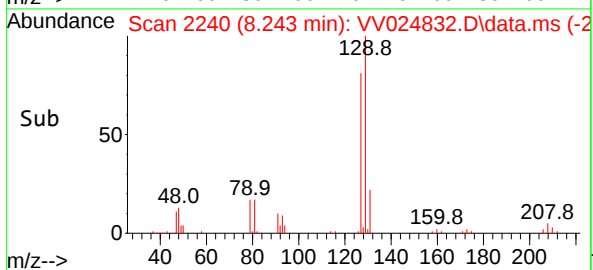
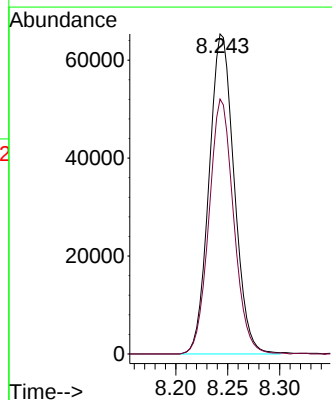
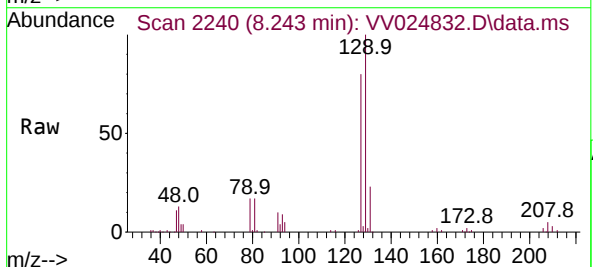
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 61.6  | 48.6  | 72.8  |
| 57  | 20.2  | 16.5  | 24.7  |
| 100 | 14.3  | 11.4  | 17.0  |

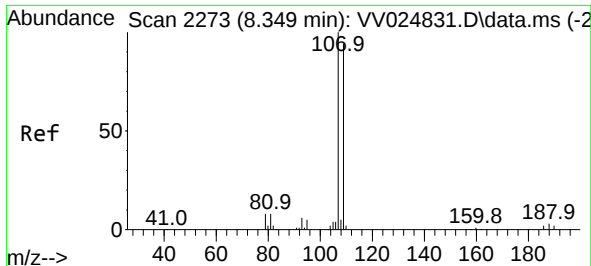


#49  
Dibromochloromethane  
Concen: 96.935 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 129 Resp: 109776

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.7  | 54.2  | 100.6 |





#50

1,2-Dibromoethane

Concen: 102.370 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100210

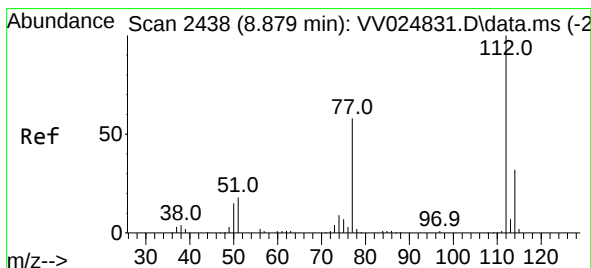
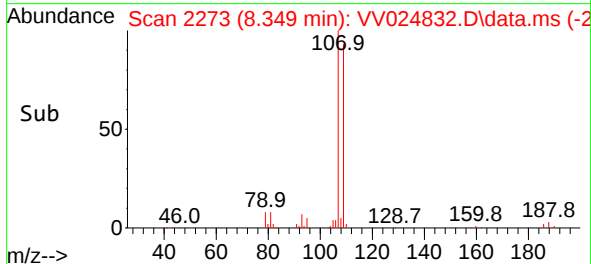
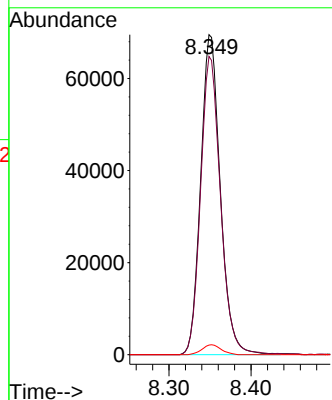
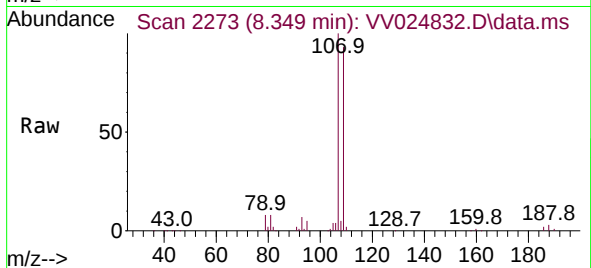
Tgt Ion:107 Resp: 115596

Ion Ratio Lower Upper

107 100

109 93.2 65.6 121.8

188 3.0 2.4 3.6



#51

Chlorobenzene

Concen: 101.385 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

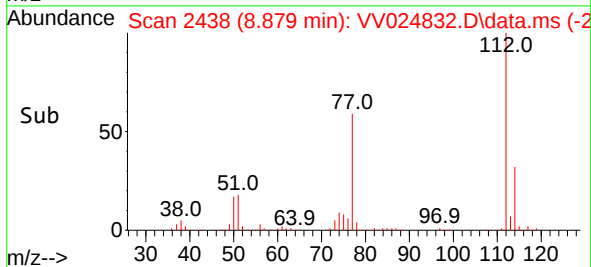
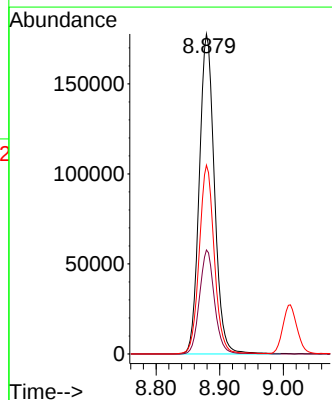
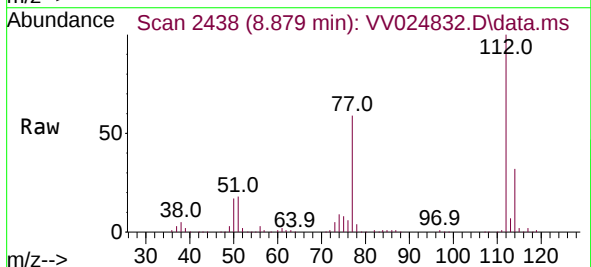
Tgt Ion:112 Resp: 293728

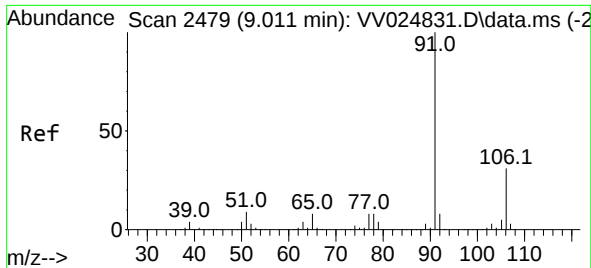
Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.5

77 59.0 46.7 70.1

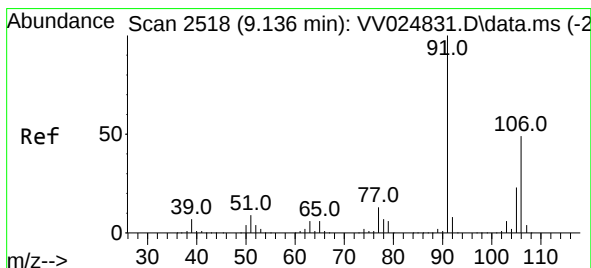
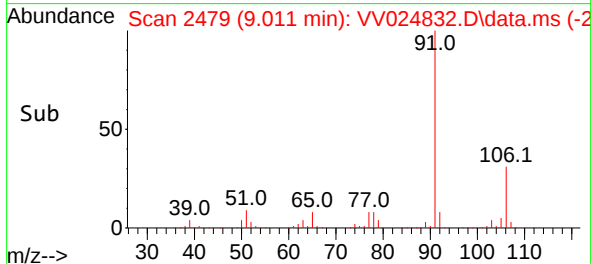
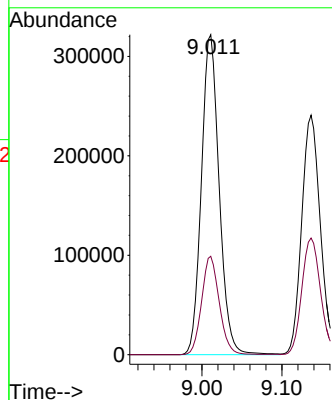
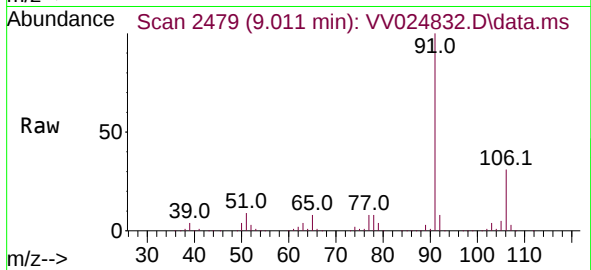




#52  
Ethylbenzene  
Concen: 97.841 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

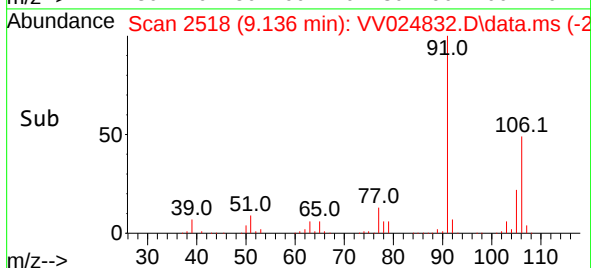
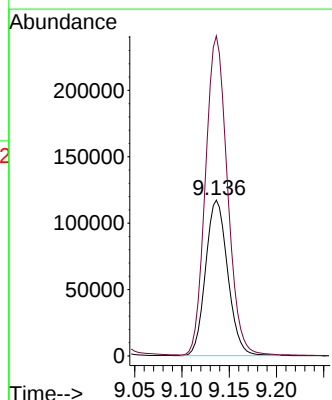
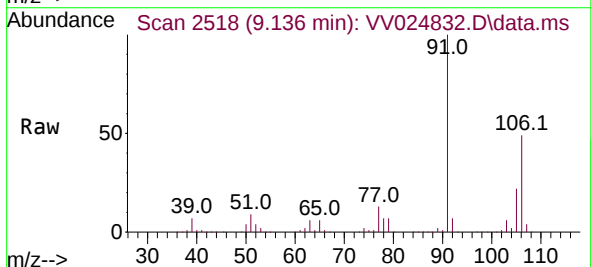
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

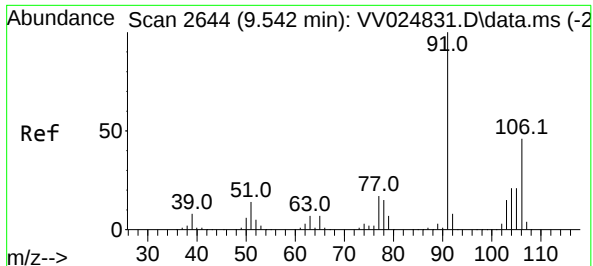
Tgt Ion: 91 Resp: 498852  
Ion Ratio Lower Upper  
91 100  
106 30.7 21.6 40.2



#53  
m,p-Xylene  
Concen: 99.541 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion:106 Resp: 190791  
Ion Ratio Lower Upper  
106 100  
91 205.4 142.2 264.2

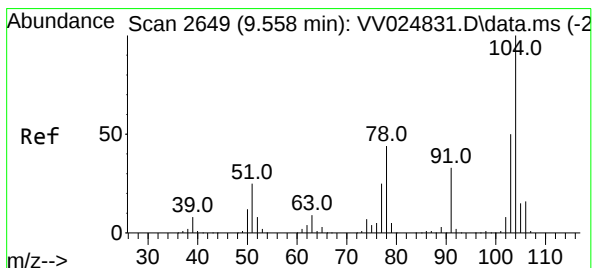
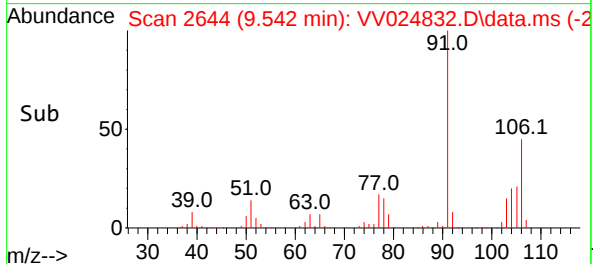
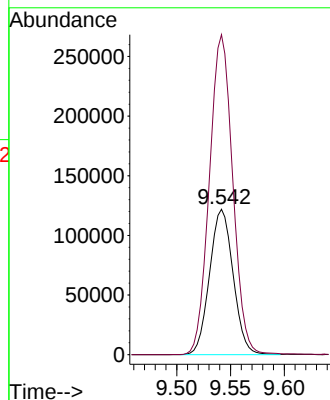
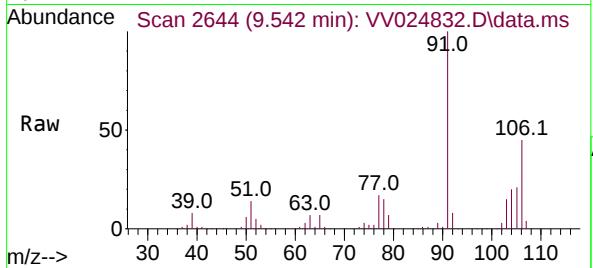




#54  
o-Xylene  
Concen: 97.634 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

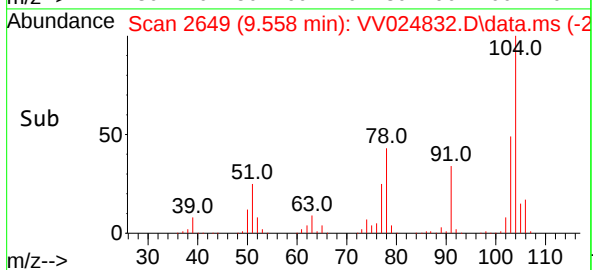
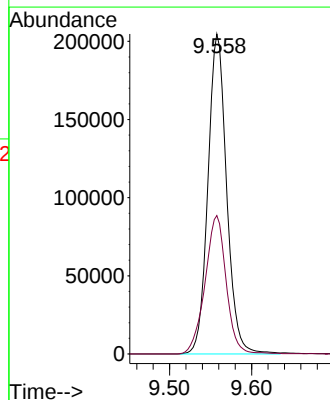
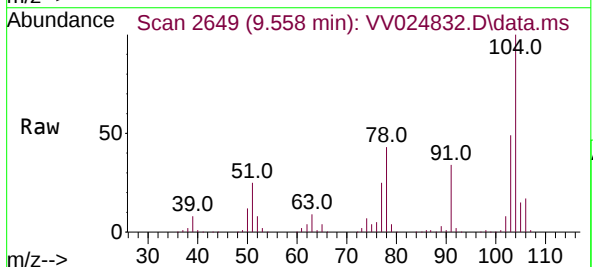
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

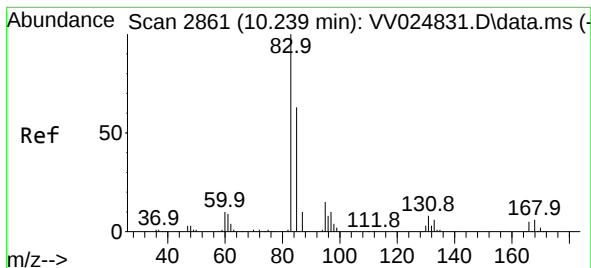
Tgt Ion:106 Resp: 185924  
Ion Ratio Lower Upper  
106 100  
91 220.0 151.6 281.6



#55  
Styrene  
Concen: 100.214 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion:104 Resp: 324246  
Ion Ratio Lower Upper  
104 100  
78 43.2 30.9 57.3

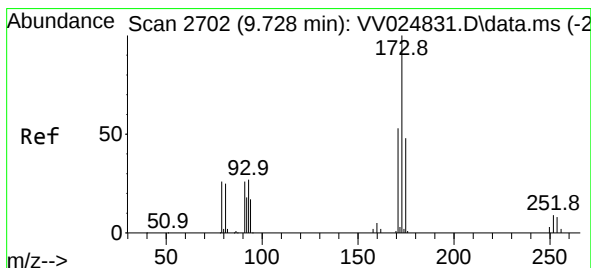
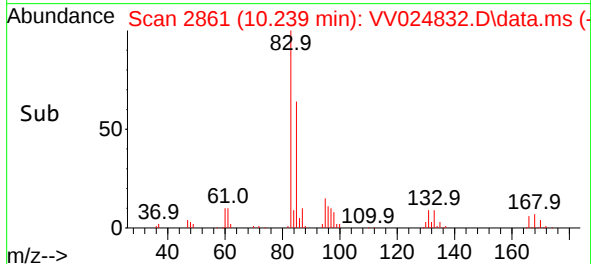
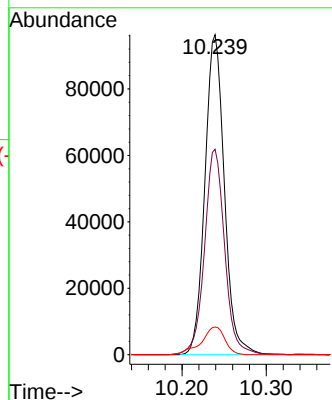
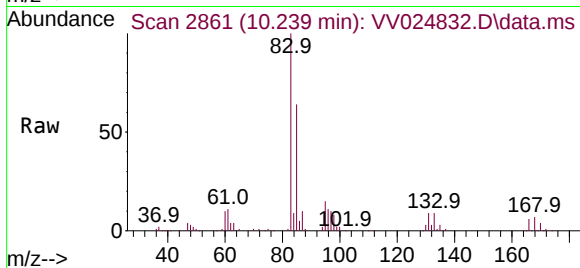




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 100.344 ug/L  
 RT: 10.239 min Scan# 2861  
 Delta R.T. -0.000 min  
 Lab File: VV024832.D  
 Acq: 28 Feb 2022 11:55

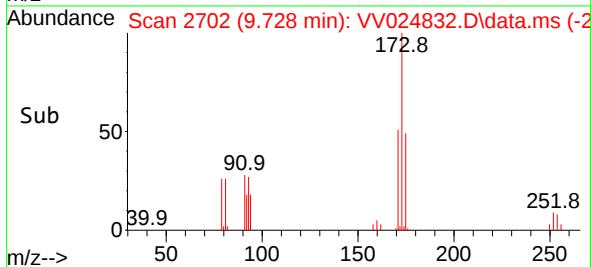
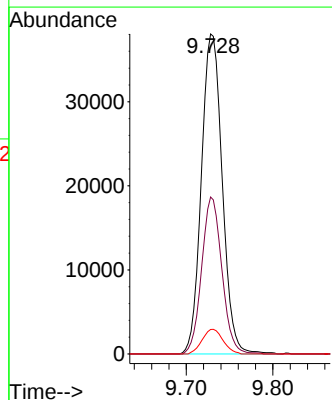
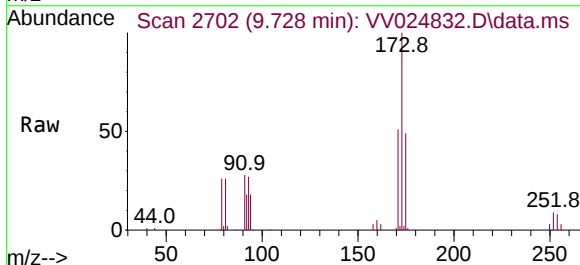
Instrument : MSVOA\_V  
 ClientSampleId : VSTD100210

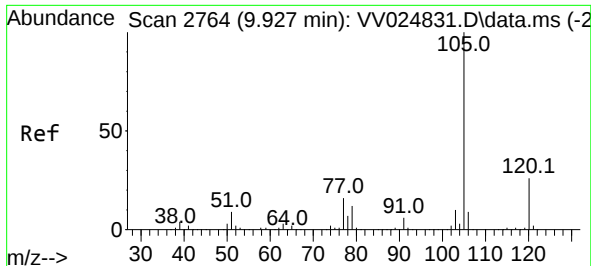
Tgt Ion: 83 Resp: 154979  
 Ion Ratio Lower Upper  
 83 100  
 85 64.2 44.2 82.2  
 131 8.7 7.0 10.4



#59  
 Bromoform  
 Concen: 90.658 ug/L  
 RT: 9.728 min Scan# 2702  
 Delta R.T. -0.000 min  
 Lab File: VV024832.D  
 Acq: 28 Feb 2022 11:55

Tgt Ion: 173 Resp: 63721  
 Ion Ratio Lower Upper  
 173 100  
 175 47.4 37.9 56.9  
 254 7.7 6.2 9.4

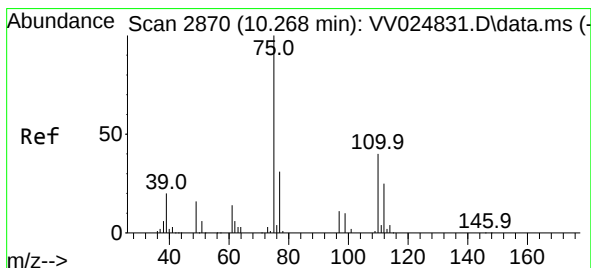
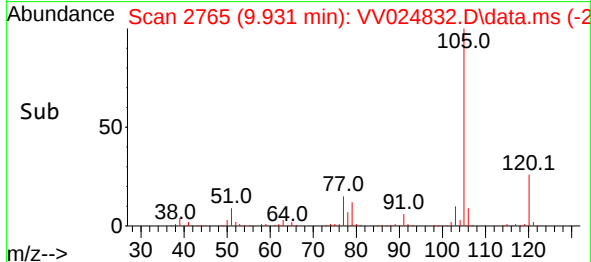
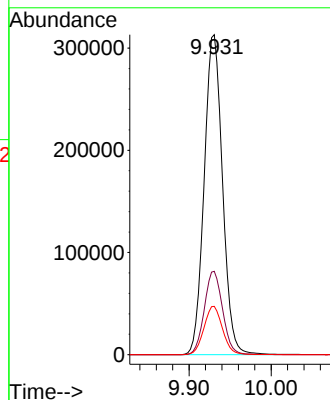
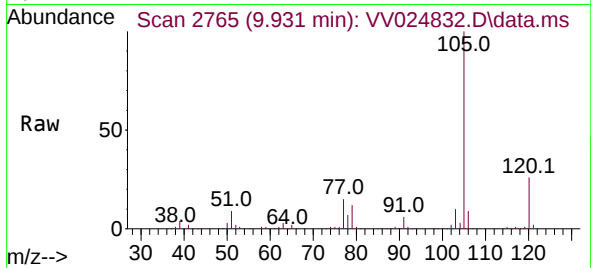




#60  
Isopropylbenzene  
Concen: 91.457 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

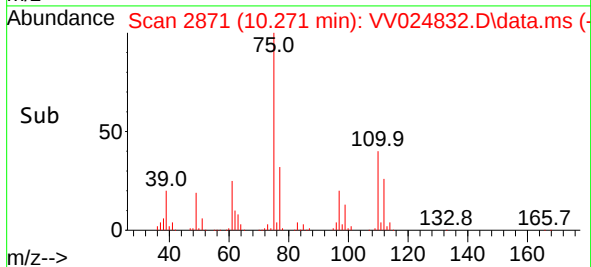
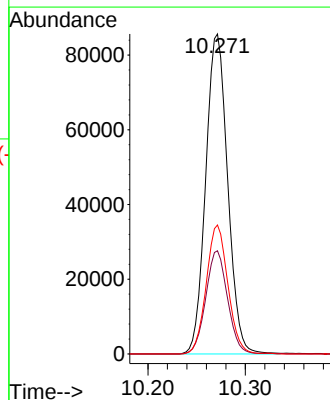
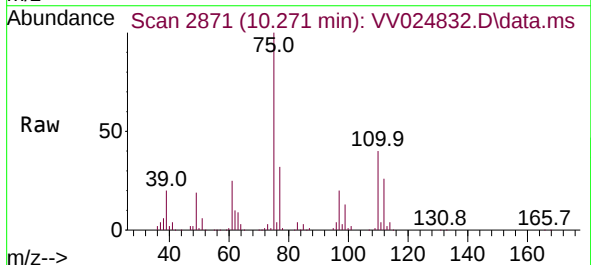
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

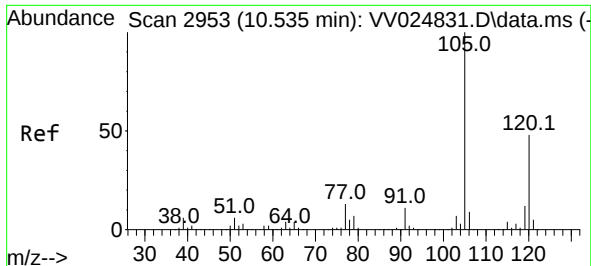
Tgt Ion:105 Resp: 487003  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.6 31.0  
77 15.3 12.3 18.5



#61  
1,2,3-Trichloropropane  
Concen: 91.873 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. 0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 75 Resp: 134048  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.4 38.0  
110 39.7 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 75.733 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

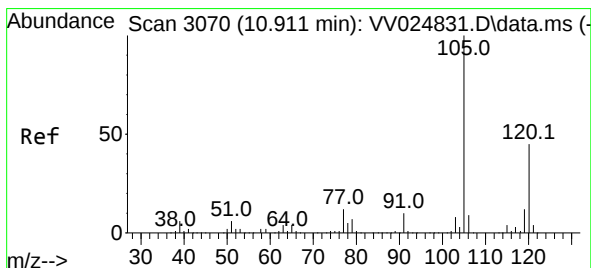
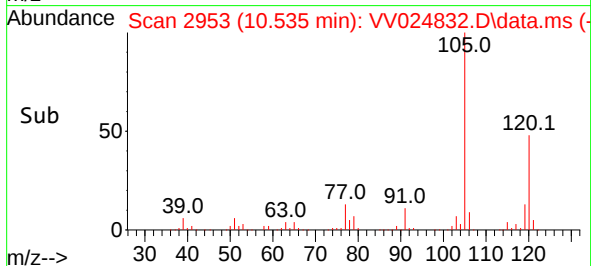
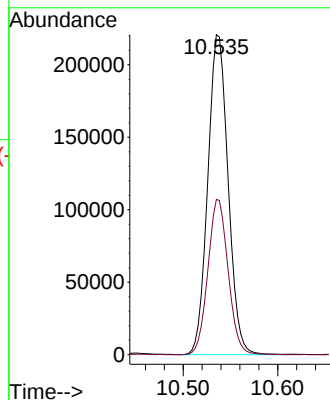
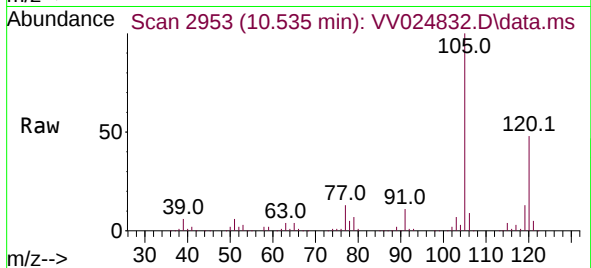
VSTD100210

Tgt Ion:105 Resp: 330018

Ion Ratio Lower Upper

105 100

120 48.3 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 90.189 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV024832.D

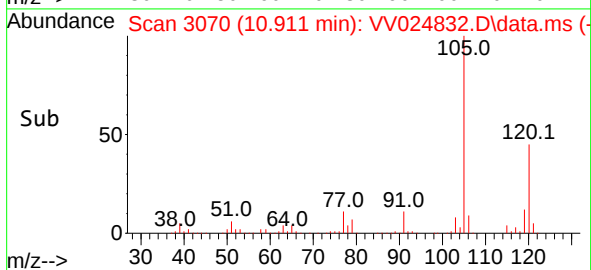
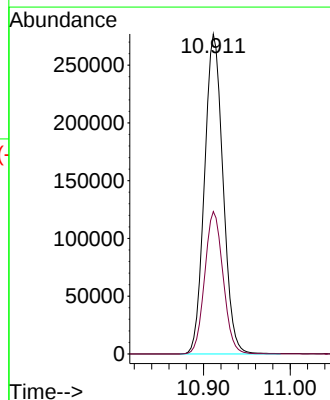
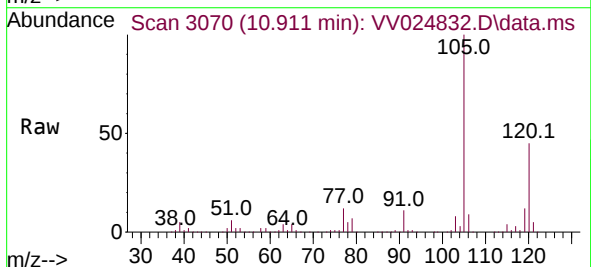
Acq: 28 Feb 2022 11:55

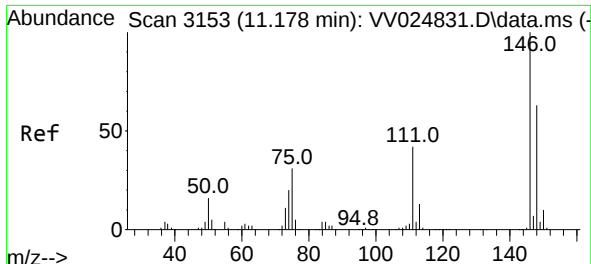
Tgt Ion:105 Resp: 411134

Ion Ratio Lower Upper

105 100

120 44.2 36.1 54.1

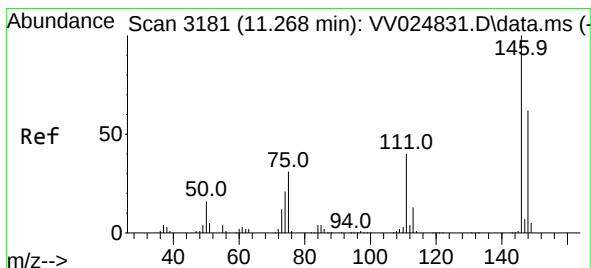
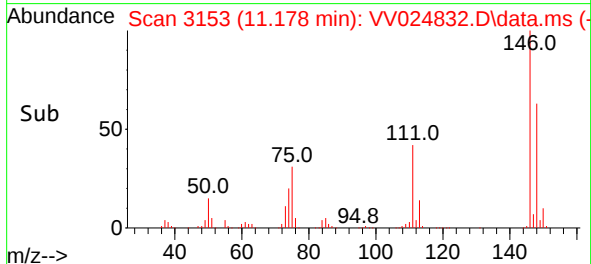
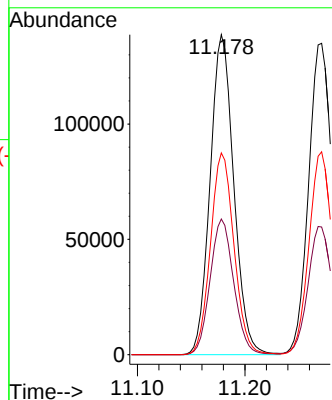
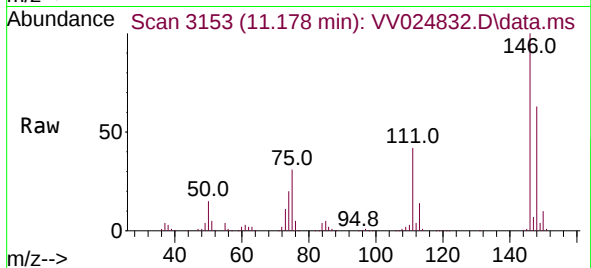




#64  
1,3-Dichlorobenzene  
Concen: 96.614 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

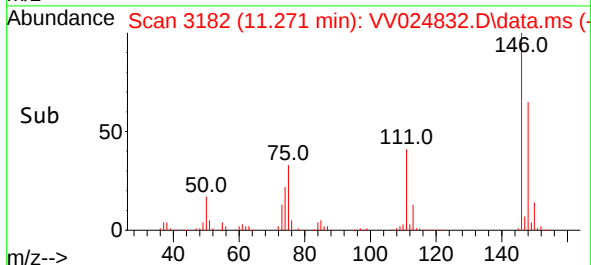
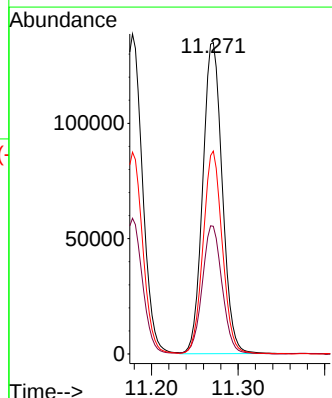
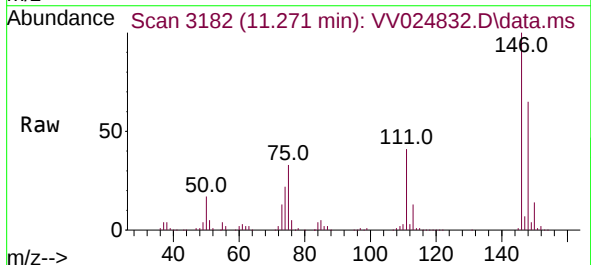
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

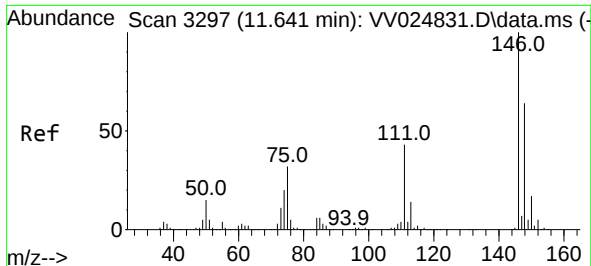
Tgt Ion:146 Resp: 212240  
Ion Ratio Lower Upper  
146 100  
111 42.4 29.7 55.1  
148 63.1 43.9 81.5



#65  
1,4-Dichlorobenzene  
Concen: 94.406 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion:146 Resp: 210861  
Ion Ratio Lower Upper  
146 100  
111 41.0 28.6 53.0  
148 65.1 43.7 81.1

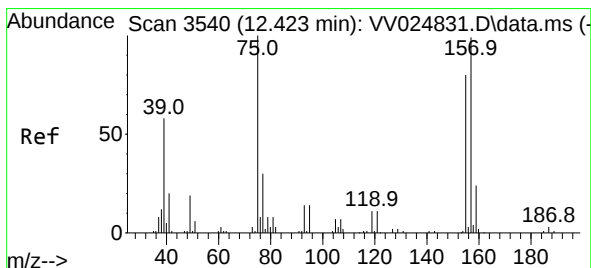
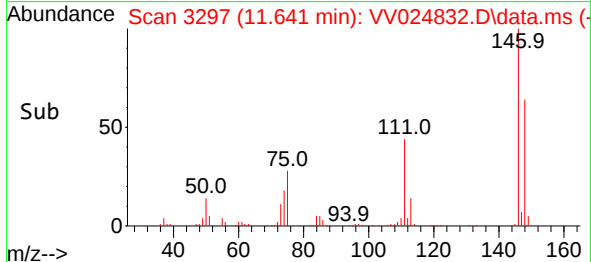
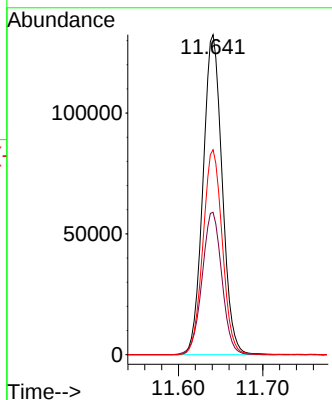
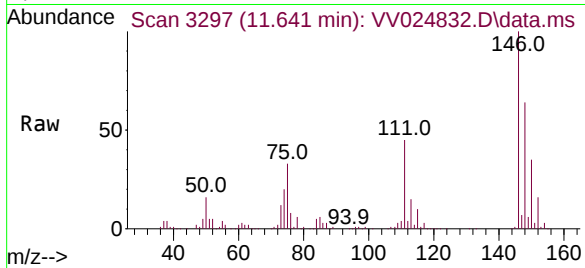




#67  
1,2-Dichlorobenzene  
Concen: 95.387 ug/L  
RT: 11.641 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

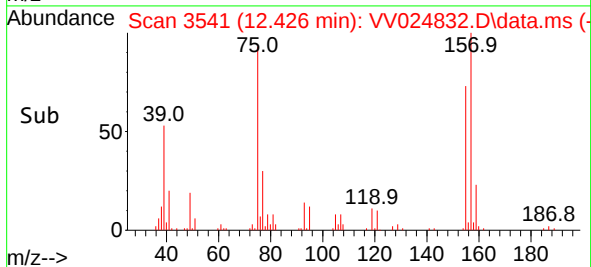
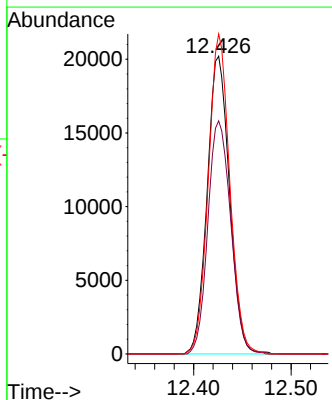
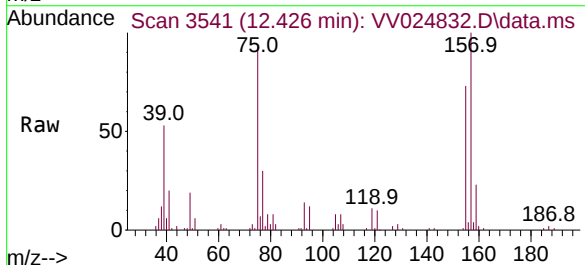
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

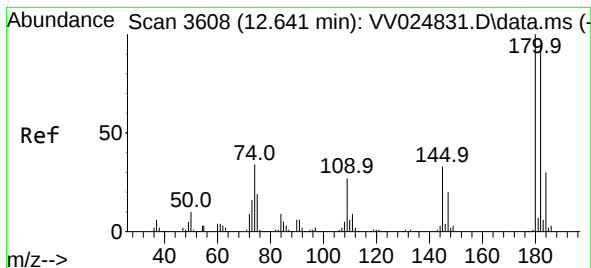
Tgt Ion:146 Resp: 210021  
Ion Ratio Lower Upper  
146 100  
111 44.5 34.9 52.3  
148 64.1 51.4 77.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 85.541 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. 0.003 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion: 75 Resp: 32217  
Ion Ratio Lower Upper  
75 100  
155 78.3 63.8 95.8  
157 107.5 79.3 118.9





#69

1,3,5-Trichlorobenzene

Concen: 96.137 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100210

Tgt Ion:180 Resp: 140796

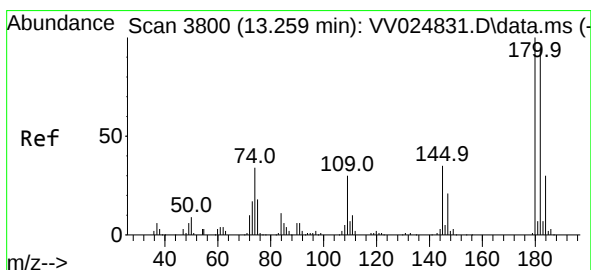
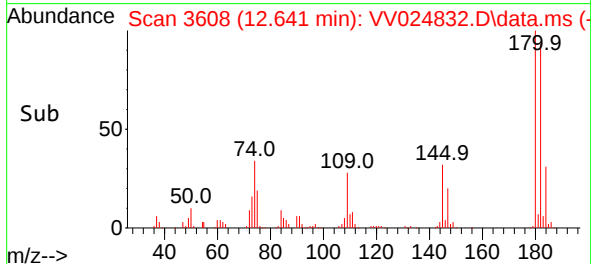
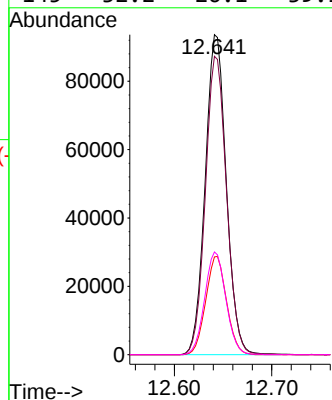
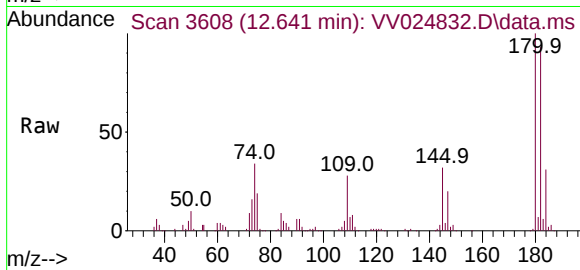
Ion Ratio Lower Upper

180 100

182 93.5 75.1 112.7

184 30.3 23.9 35.9

145 32.2 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 95.741 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV024832.D

Acq: 28 Feb 2022 11:55

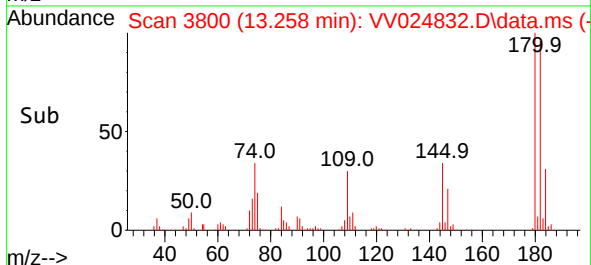
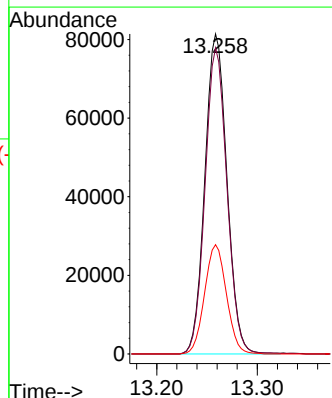
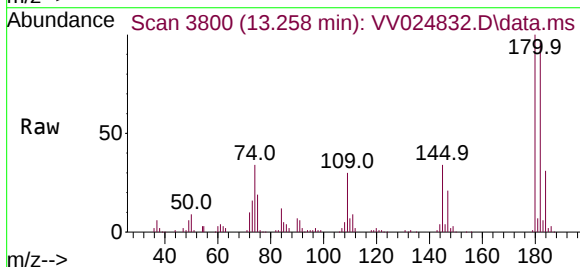
Tgt Ion:180 Resp: 124276

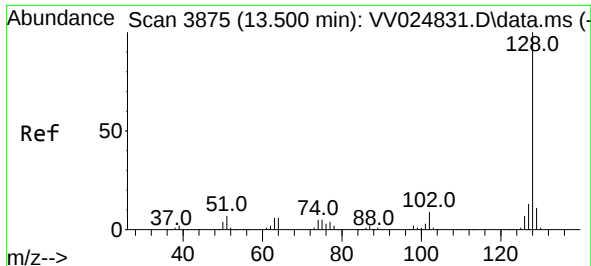
Ion Ratio Lower Upper

180 100

182 94.5 76.0 114.0

145 33.7 27.6 41.4

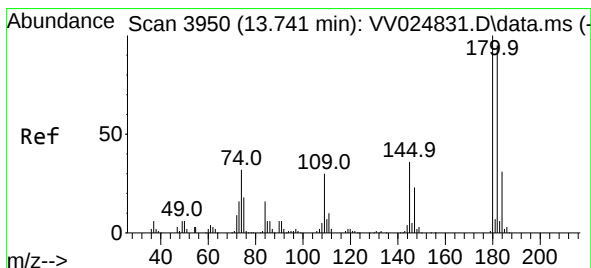
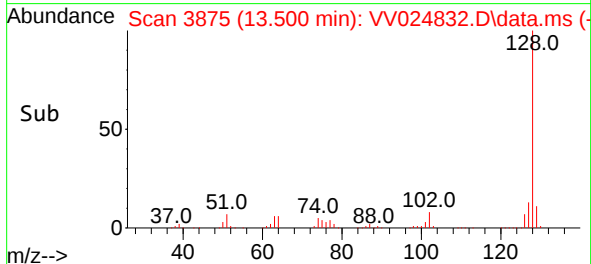
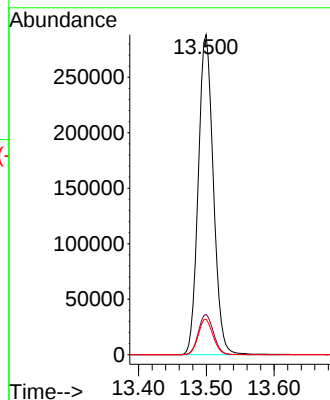
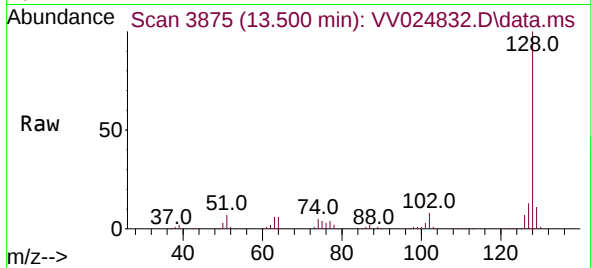




#71  
Naphthalene  
Concen: 95.203 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100210

Tgt Ion:128 Resp: 445143  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.4  
129 10.9 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 97.689 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. -0.000 min  
Lab File: VV024832.D  
Acq: 28 Feb 2022 11:55

Tgt Ion:180 Resp: 124317  
Ion Ratio Lower Upper  
180 100  
182 95.2 75.9 113.9  
145 35.1 28.7 43.1

