

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041321\  
 Data File : VW020989.D  
 Acq On : 13 Apr 2021 10:00  
 Operator : SY/MD  
 Sample : VSTD01066  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01066

Quant Time: Apr 14 03:10:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM041321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 14 03:08:27 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------------|----------|
| -----                         |        |      |          |             |          |
| Internal Standards            |        |      |          |             |          |
| 1) 1,4-Difluorobenzene        | 5.622  | 114  | 503679   | 50.00 ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.857  | 117  | 502863   | 50.00 ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255 | 152  | 285098   | 50.00 ug/L  | 0.00     |
|                               |        |      |          |             |          |
| System Monitoring Compounds   |        |      |          |             |          |
| 4) Vinyl Chloride-d3          | 1.310  | 65   | 28658    | 8.33 ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.571  | 69   | 22453    | 8.57 ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.114  | 63   | 62660    | 9.47 ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.918  | 46   | 30689    | 13.83 ug/L  | 0.03     |
| 24) Chloroform-d              | 4.358  | 84   | 75058    | 10.57 ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.040  | 65   | 46062    | 9.81 ug/L   | 0.00     |
| 32) Benzene-d6                | 5.056  | 84   | 121026   | 9.13 ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.075  | 67   | 34316    | 8.53 ug/L   | 0.00     |
| 41) Toluene-d8                | 7.323  | 98   | 120238   | 9.58 ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.632  | 79   | 20040    | 9.12 ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.098  | 63   | 25637    | 15.27 ug/L  | 0.00     |
| 57) 1,1,2,2-Tetrachloroeth... | 10.223 | 84   | 51600    | 8.68 ug/L   | 0.00     |
| 64) 1,2-Dichlorobenzene-d4    | 11.632 | 152  | 56406    | 10.07 ug/L  | 0.00     |
|                               |        |      |          |             |          |
| Target Compounds              |        |      |          |             | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.134  | 85   | 46303    | 10.02 ug/L  | 97       |
| 3) Chloromethane              | 1.243  | 50   | 34914    | 9.65 ug/L   | 99       |
| 5) Vinyl chloride             | 1.314  | 62   | 33960    | 9.19 ug/L   | 95       |
| 6) Bromomethane               | 1.526  | 94   | 20187    | 8.79 ug/L   | 92       |
| 8) Chloroethane               | 1.590  | 64   | 27212    | 12.40 ug/L  | 86       |
| 9) Trichlorofluoromethane     | 1.757  | 101  | 76354    | 11.44 ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121  | 101  | 37111    | 11.52 ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 2.124  | 96   | 33233    | 11.23 ug/L  | 97       |
| 13) Acetone                   | 2.191  | 43   | 31287    | 19.13 ug/L  | 82       |
| 14) Carbon disulfide          | 2.297  | 76   | 97701    | 10.29 ug/L  | 100      |
| 15) Methyl Acetate            | 2.442  | 43   | 26663    | 8.12 ug/L   | 97       |
| 16) Methylene chloride        | 2.513  | 84   | 35636    | 10.09 ug/L  | 95       |
| 17) trans-1,2-Dichloroethene  | 2.767  | 96   | 34744    | 10.37 ug/L  | 93       |
| 18) Methyl tert-butyl Ether   | 2.773  | 73   | 103660   | 9.98 ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.195  | 63   | 61086    | 9.97 ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.921  | 96   | 36815    | 10.32 ug/L  | 99       |
| 22) 2-Butanone                | 3.995  | 43   | 14153    | 6.13 ug/L   | 74       |
| 23) Bromochloromethane        | 4.256  | 128  | 21763    | 11.03 ug/L  | 93       |
| 25) Chloroform                | 4.384  | 83   | 74312    | 11.12 ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.137  | 62   | 57192    | 10.76 ug/L  | 99       |
| 29) Cyclohexane               | 4.683  | 56   | 45026    | 8.21 ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 4.616  | 97   | 72750    | 11.45 ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 68295    | 11.85 ug/L  | 99       |
| 33) Benzene                   | 5.108  | 78   | 138168   | 10.14 ug/L  | 100      |
| 34) Trichloroethene           | 5.924  | 95   | 37993    | 10.01 ug/L  | 95       |
| 35) Methylcyclohexane         | 6.137  | 83   | 52301    | 9.01 ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.178  | 63   | 31240    | 8.84 ug/L # | 96       |
| 38) Bromodichloromethane      | 6.516  | 83   | 56256    | 10.93 ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.037  | 75   | 52899    | 9.48 ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.233  | 43   | 70999    | 15.29 ug/L  | 99       |
| 42) Toluene                   | 7.394  | 91   | 154419   | 10.25 ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.657  | 75   | 55209    | 9.85 ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 36692    | 10.24 ug/L  | 91       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041321\  
 Data File : VW020989.D  
 Acq On : 13 Apr 2021 10:00  
 Operator : SY/MD  
 Sample : VSTD01066  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01066

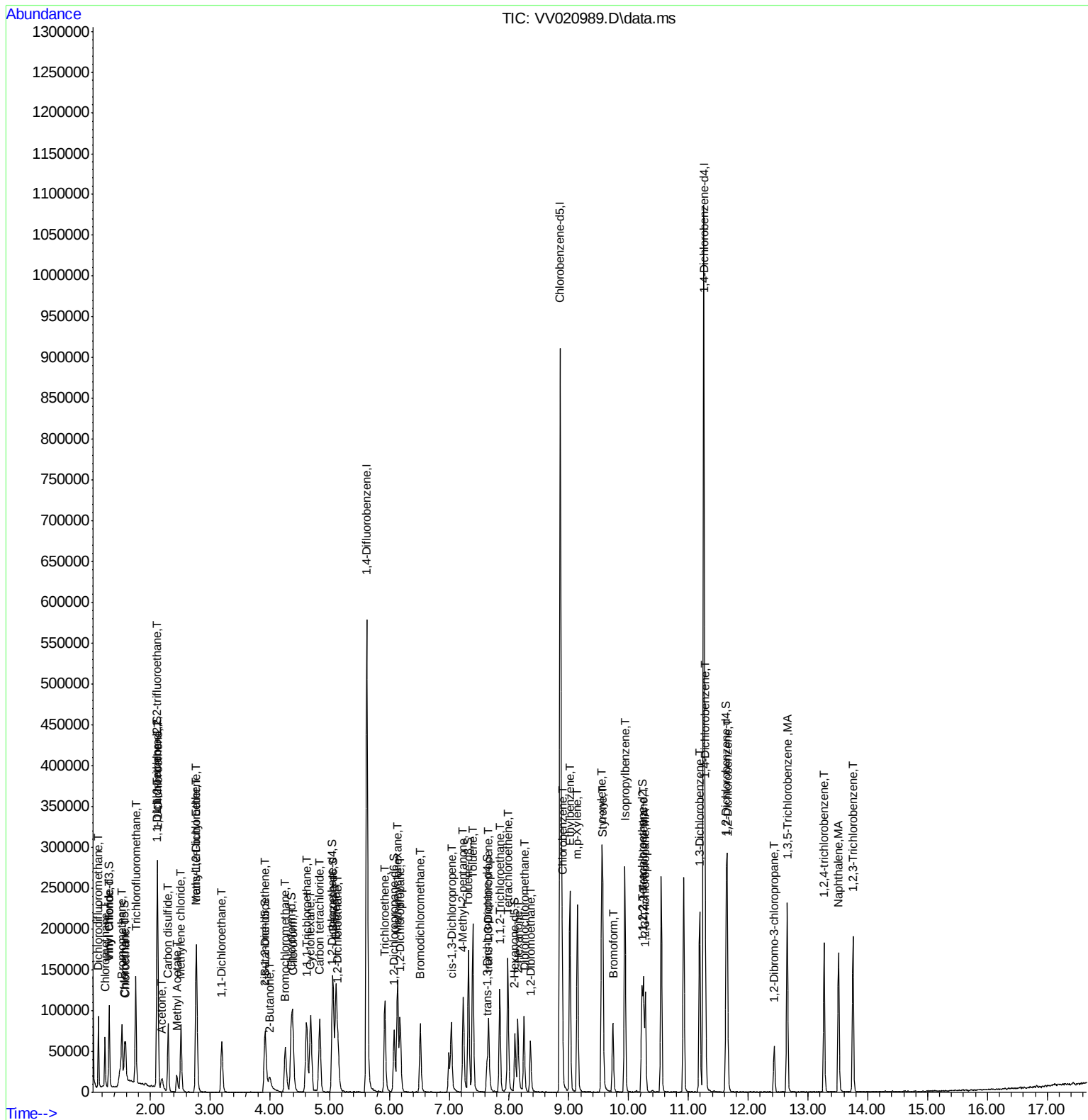
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM041321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 14 03:08:27 2021  
 Response via : Initial Calibration

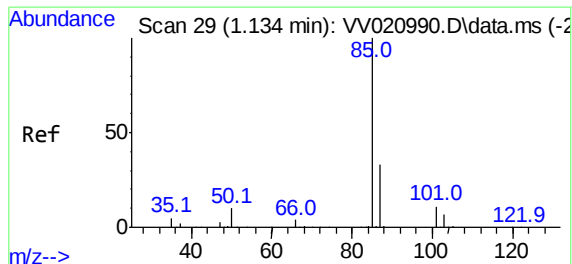
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 46) Tetrachloroethene         | 7.982  | 164  | 37209    | 11.33 | ug/L   | 99       |
| 48) 2-Hexanone                | 8.146  | 43   | 54920    | 15.42 | ug/L   | 93       |
| 49) Dibromochloromethane      | 8.252  | 129  | 49381    | 11.49 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.358  | 107  | 40940    | 10.60 | ug/L   | 96       |
| 51) Chlorobenzene             | 8.889  | 112  | 108723   | 10.68 | ug/L   | 94       |
| 52) Ethylbenzene              | 9.017  | 91   | 169066   | 9.80  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.143  | 106  | 66215    | 10.25 | ug/L   | 99       |
| 54) o-xylene                  | 9.548  | 106  | 63429    | 10.21 | ug/L   | 95       |
| 55) Styrene                   | 9.567  | 104  | 105066   | 9.67  | ug/L   | 92       |
| 56) Isopropylbenzene          | 9.937  | 105  | 168592   | 9.84  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 59572    | 10.29 | ug/L # | 96       |
| 59) 1,2,3-Trichloropropane    | 10.281 | 75   | 47037    | 10.00 | ug/L   | 98       |
| 61) Bromoform                 | 9.738  | 173  | 38419    | 11.53 | ug/L   | 100      |
| 62) 1,3-Dichlorobenzene       | 11.188 | 146  | 93232    | 10.65 | ug/L   | 96       |
| 63) 1,4-Dichlorobenzene       | 11.278 | 146  | 98037    | 10.81 | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene       | 11.651 | 146  | 95066    | 10.99 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropr... | 12.432 | 75   | 13001    | 9.11  | ug/L   | 93       |
| 67) 1,3,5-Trichlorobenzene    | 12.654 | 180  | 75100    | 10.89 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene    | 13.268 | 180  | 57044    | 9.88  | ug/L   | 97       |
| 69) Naphthalene               | 13.509 | 128  | 141634   | 8.68  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene    | 13.754 | 180  | 60108    | 10.33 | ug/L   | 98       |
| -----                         |        |      |          |       |        |          |

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

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD01066

Quant Time: Apr 14 03:10:00 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM041321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 14 03:08:27 2021  
Response via : Initial Calibration



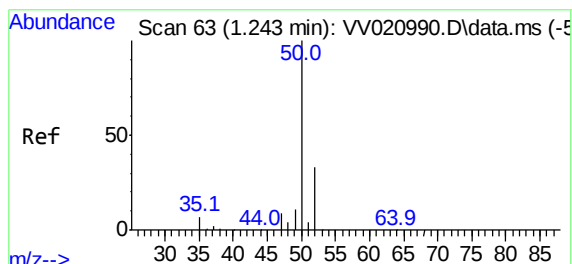
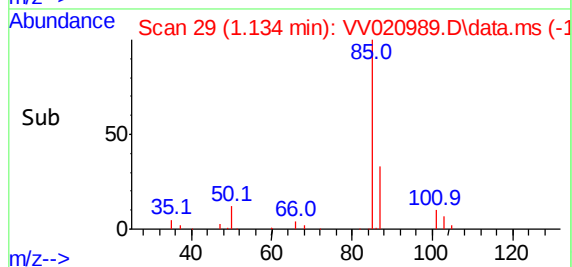
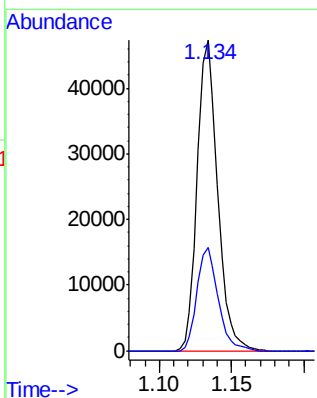
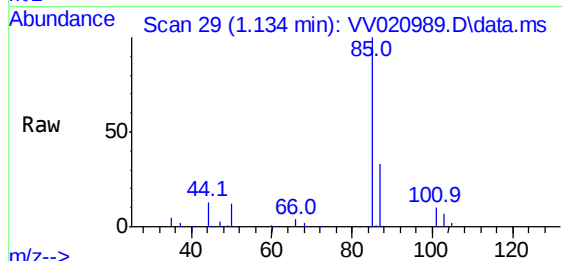


#2  
 Dichlorodifluoromethane  
 Concen: 10.02 ug/L  
 RT: 1.134 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: VV020989.D  
 Acq: 13 Apr 2021 10:00

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01066

Tgt Ion: 85 Resp: 46303  

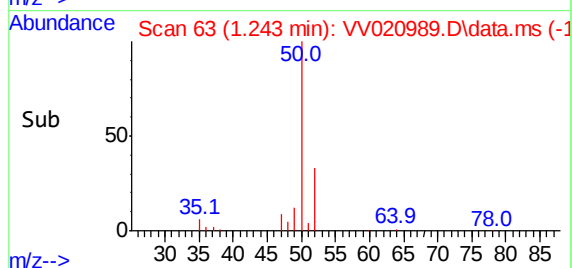
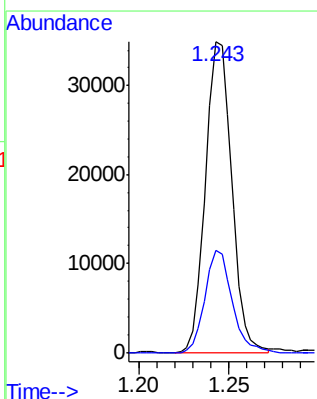
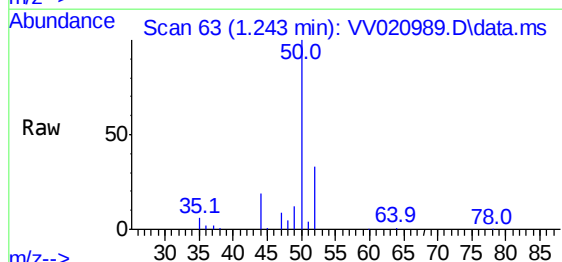
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 34.4  | 26.2  | 39.2  |

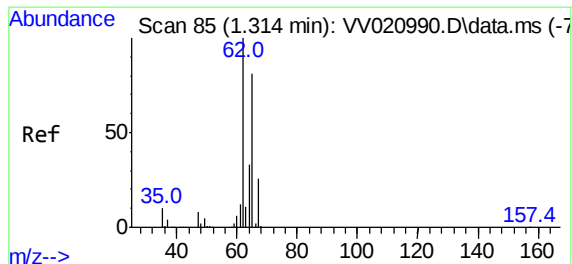


#3  
 Chloromethane  
 Concen: 9.65 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. -0.000 min  
 Lab File: VV020989.D  
 Acq: 13 Apr 2021 10:00

Tgt Ion: 50 Resp: 34914  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 50  | 100   |       |       |
| 52  | 33.0  | 22.9  | 42.5  |

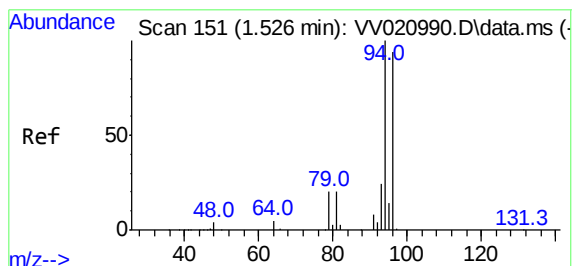
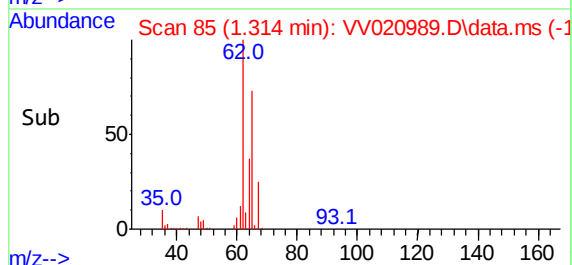
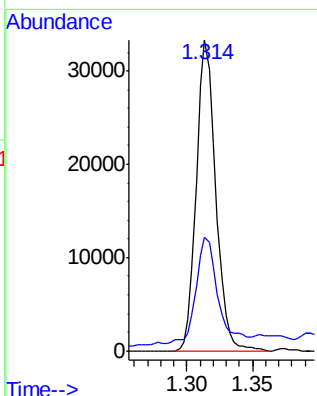
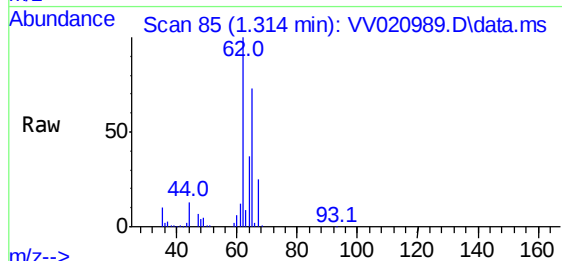




#5  
 Vinyl chloride  
 Concen: 9.19 ug/L  
 RT: 1.314 min Scan# 85  
 Delta R.T. -0.000 min  
 Lab File: VV020989.D  
 Acq: 13 Apr 2021 10:00

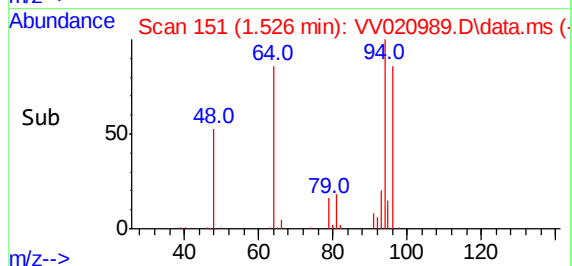
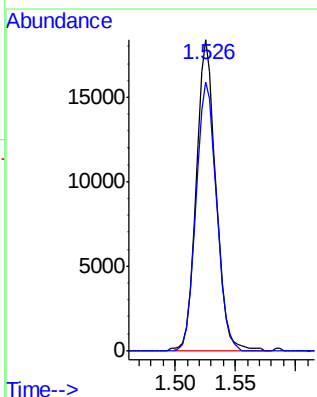
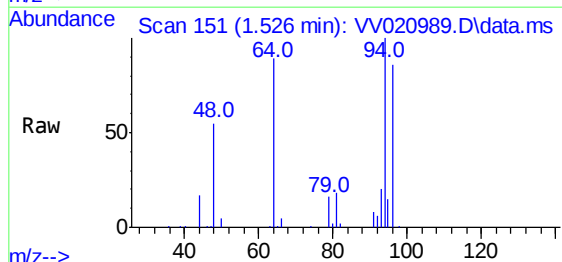
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01066

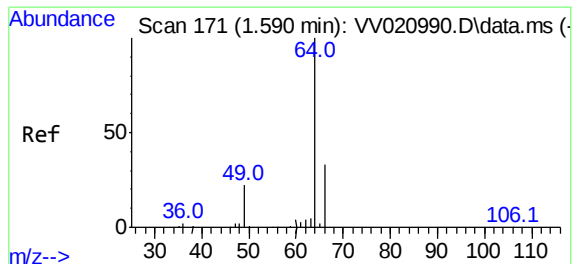
Tgt Ion: 62 Resp: 33960  
 Ion Ratio Lower Upper  
 62 100  
 64 36.5 23.6 43.8



#6  
 Bromomethane  
 Concen: 8.79 ug/L  
 RT: 1.526 min Scan# 151  
 Delta R.T. -0.000 min  
 Lab File: VV020989.D  
 Acq: 13 Apr 2021 10:00

Tgt Ion: 94 Resp: 20187  
 Ion Ratio Lower Upper  
 94 100  
 96 86.3 65.8 122.2

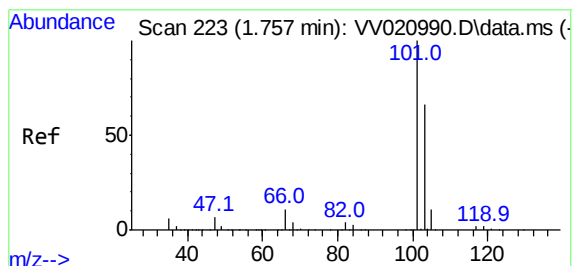
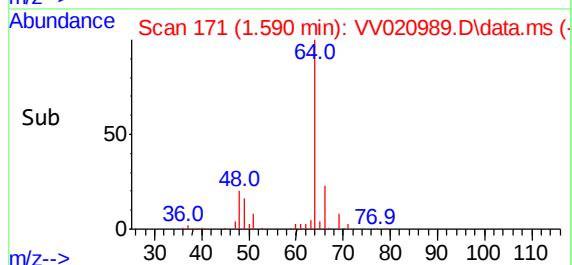
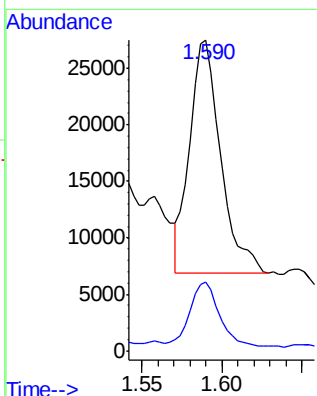
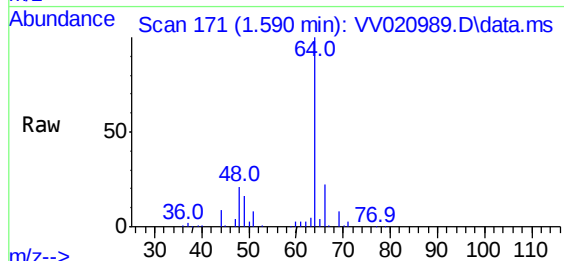




#8  
Chloroethane  
Concen: 12.40 ug/L  
RT: 1.590 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

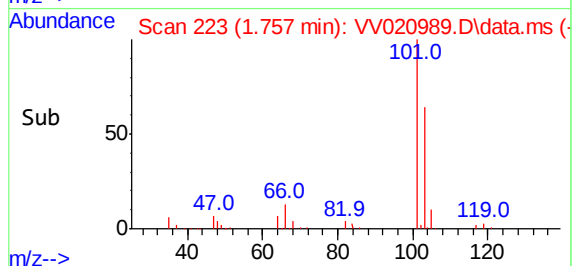
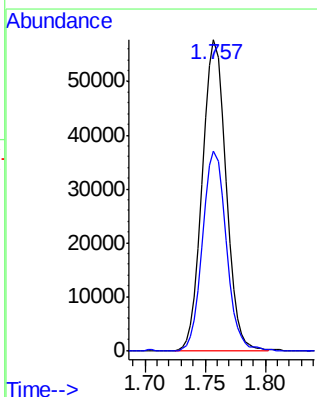
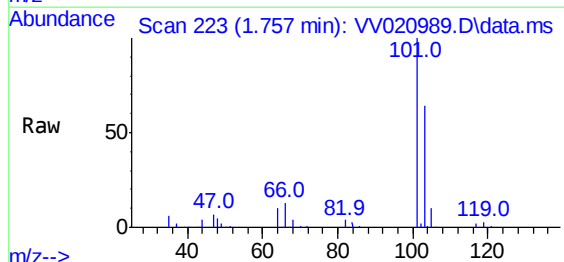
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

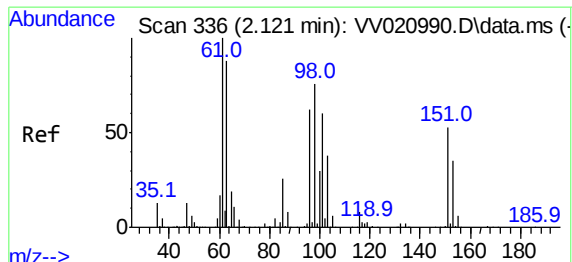
Tgt Ion: 64 Resp: 27212  
Ion Ratio Lower Upper  
64 100  
66 22.1 20.9 38.9



#9  
Trichlorofluoromethane  
Concen: 11.44 ug/L  
RT: 1.757 min Scan# 223  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion:101 Resp: 76354  
Ion Ratio Lower Upper  
101 100  
103 64.2 52.0 78.0





#10

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

Concen: 11.52 ug/L

RT: 2.121 min Scan# 336

Delta R.T. -0.000 min

Lab File: VV020989.D

Acq: 13 Apr 2021 10:00

Tgt Ion:101 Resp: 37111

Ion Ratio Lower Upper

101 100

85 42.9 34.6 52.0

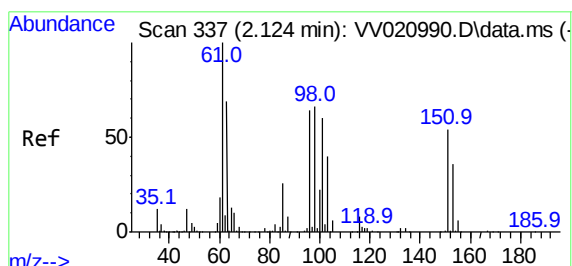
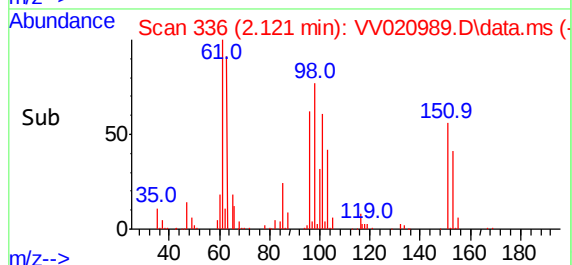
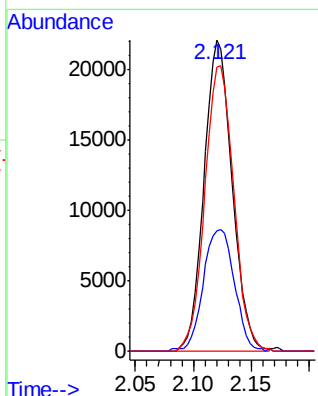
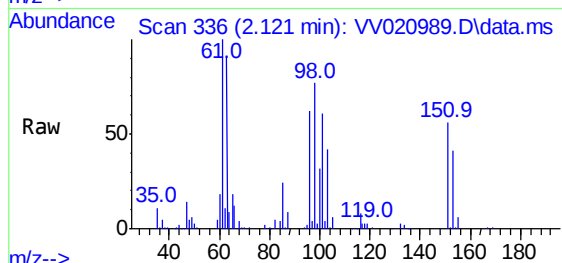
151 94.3 71.0 106.4

Instrument :

MSVOA\_V

ClientSampleId :

VSTD01066



#12

1,1-Dichloroethene

Concen: 11.23 ug/L

RT: 2.124 min Scan# 337

Delta R.T. -0.000 min

Lab File: VV020989.D

Acq: 13 Apr 2021 10:00

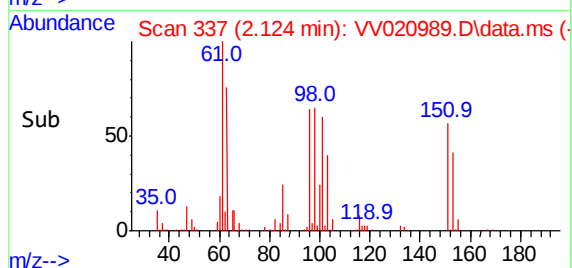
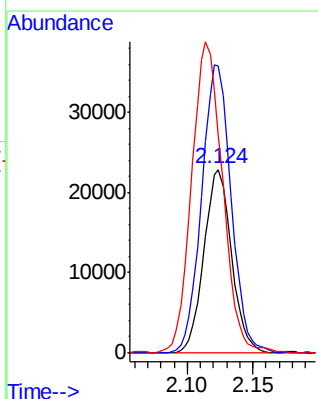
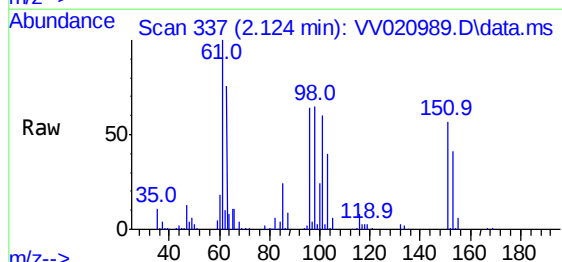
Tgt Ion: 96 Resp: 33233

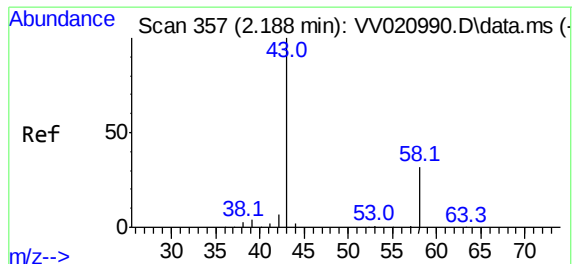
Ion Ratio Lower Upper

96 100

61 156.7 109.7 203.7

63 118.4 76.9 142.9

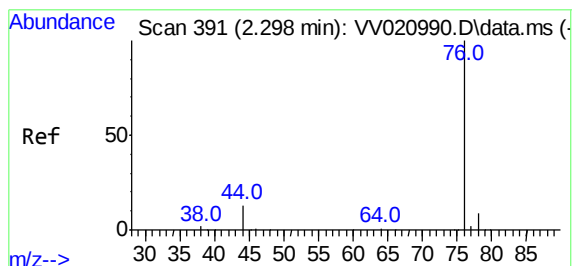
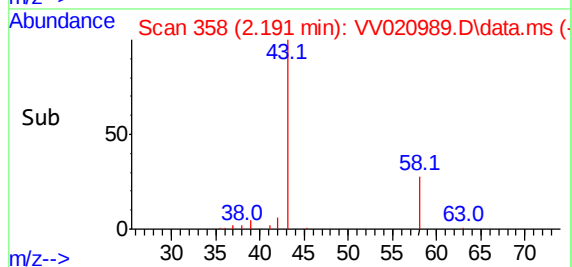
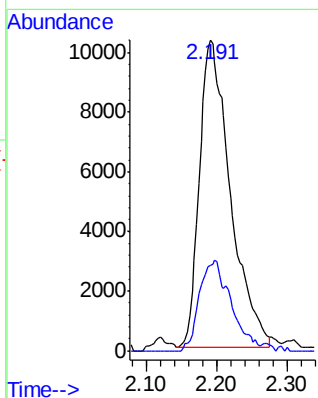
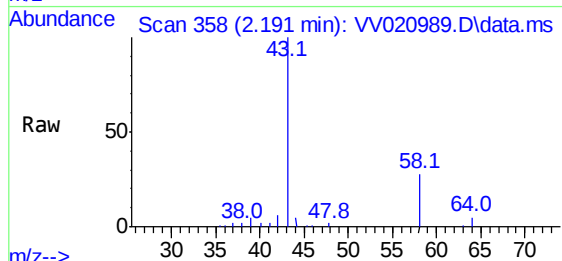




#13  
Acetone  
Concen: 19.13 ug/L  
RT: 2.191 min Scan# 358  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

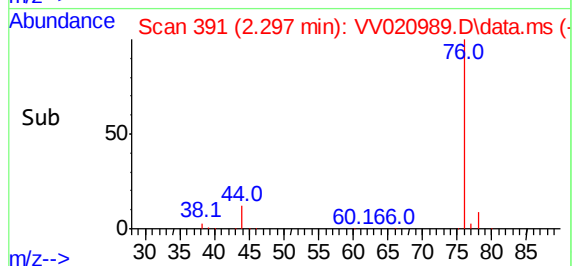
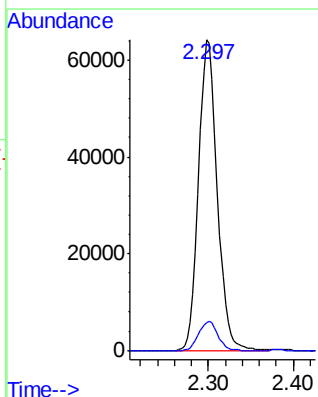
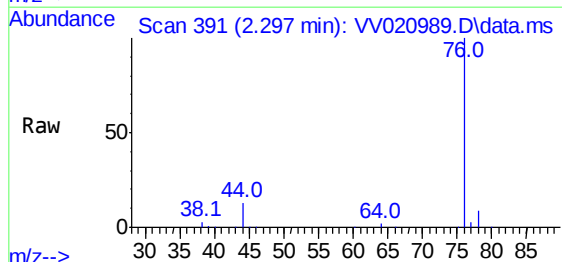
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

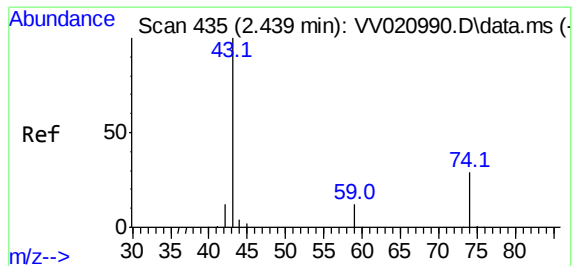
Tgt Ion: 43 Resp: 31287  
Ion Ratio Lower Upper  
43 100  
58 21.1 0.0 61.6



#14  
Carbon disulfide  
Concen: 10.29 ug/L  
RT: 2.297 min Scan# 391  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 76 Resp: 97701  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.3 10.9

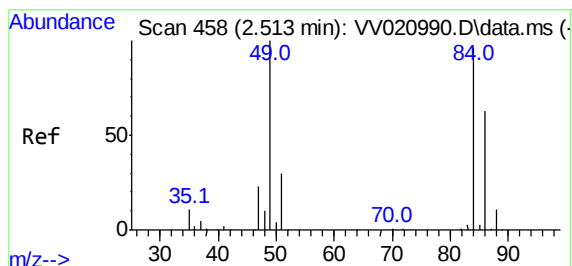
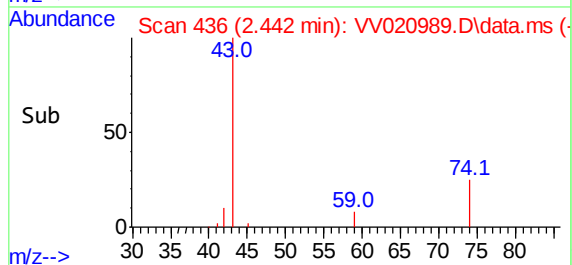
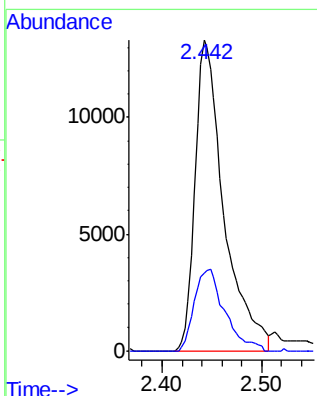
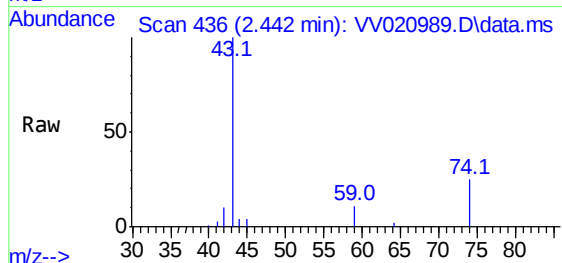




#15  
Methyl Acetate  
Concen: 8.12 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

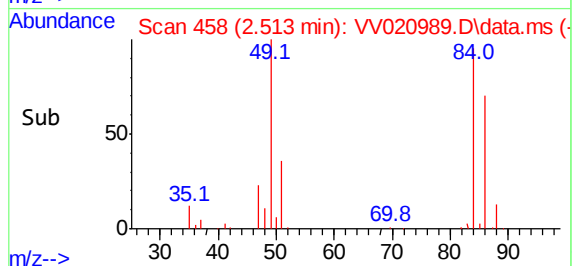
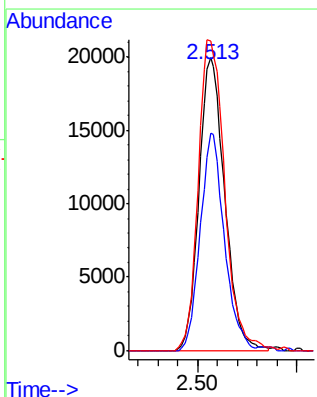
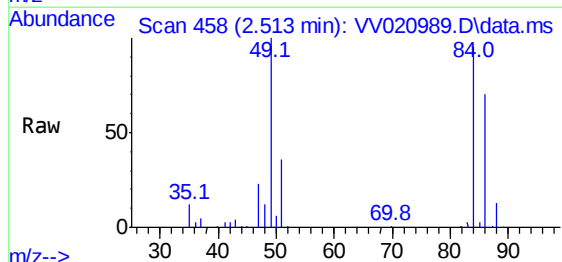
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

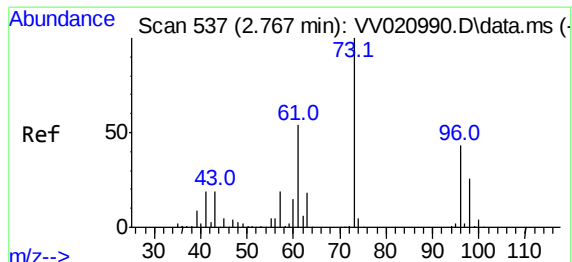
Tgt Ion: 43 Resp: 26663  
Ion Ratio Lower Upper  
43 100  
74 26.8 22.6 34.0



#16  
Methylene chloride  
Concen: 10.09 ug/L  
RT: 2.513 min Scan# 458  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 84 Resp: 35636  
Ion Ratio Lower Upper  
84 100  
86 74.1 45.5 84.5  
49 105.4 72.7 134.9

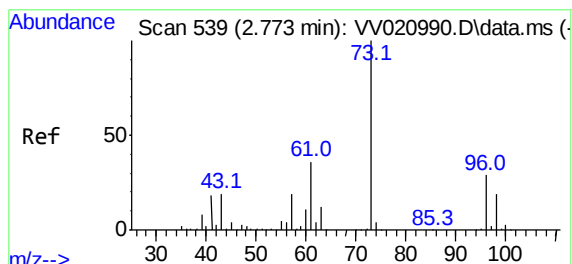
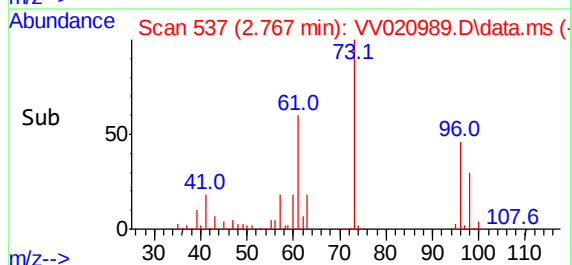
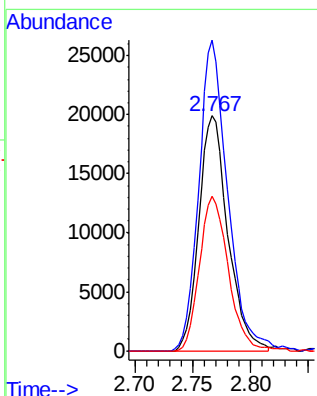
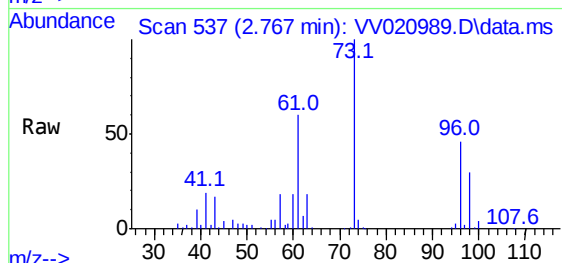




#17  
trans-1,2-Dichloroethene  
Concen: 10.37 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

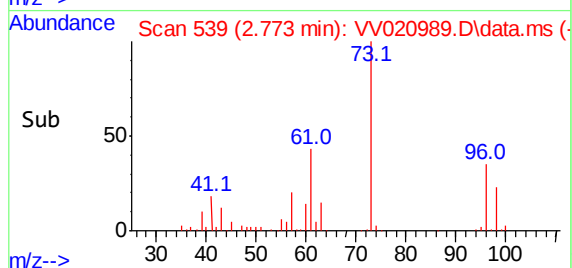
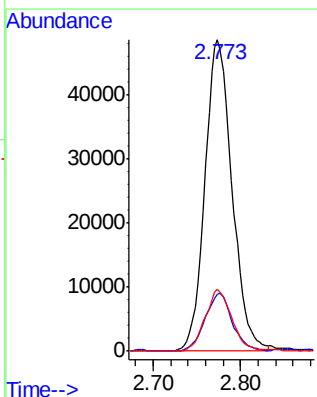
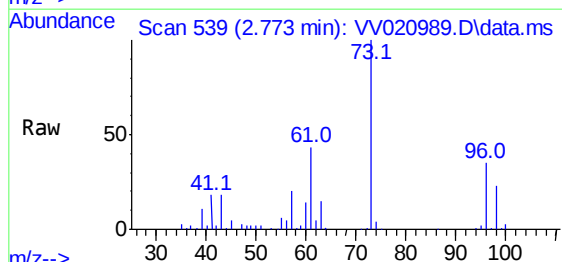
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

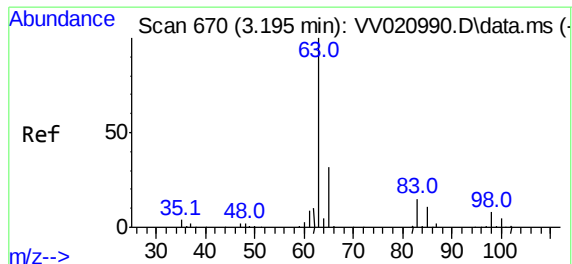
Tgt Ion: 96 Resp: 34744  
Ion Ratio Lower Upper  
96 100  
61 132.2 86.7 160.9  
98 65.7 42.1 78.3



#18  
Methyl tert-butyl Ether  
Concen: 9.98 ug/L  
RT: 2.773 min Scan# 539  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 73 Resp: 103660  
Ion Ratio Lower Upper  
73 100  
43 18.2 15.2 22.8  
57 19.0 15.2 22.8



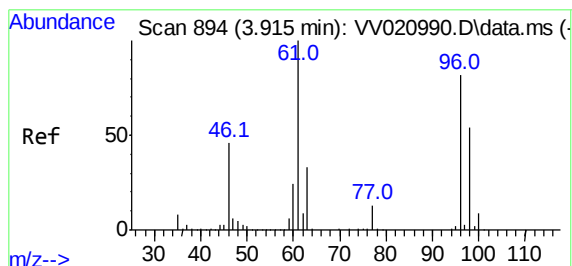
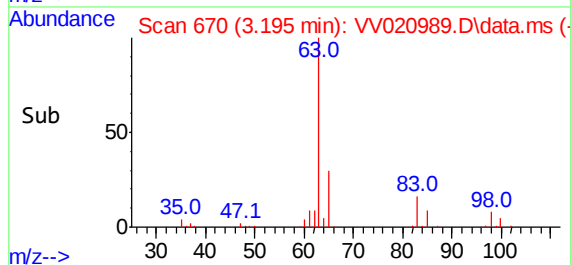
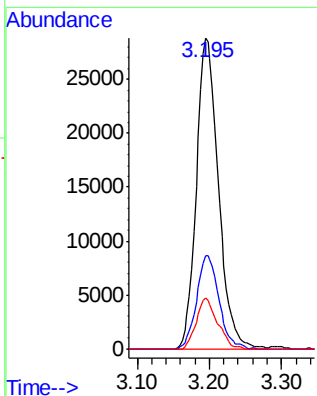
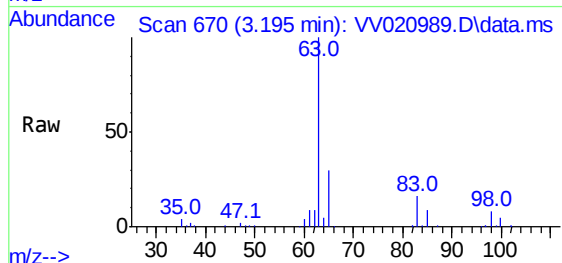


#19  
1,1-Dichloroethane  
Concen: 9.97 ug/L  
RT: 3.195 min Scan# 670  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

Tgt Ion: 63 Resp: 61086

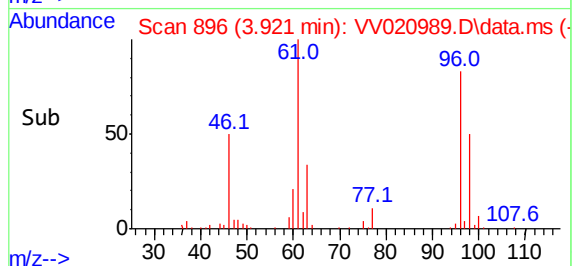
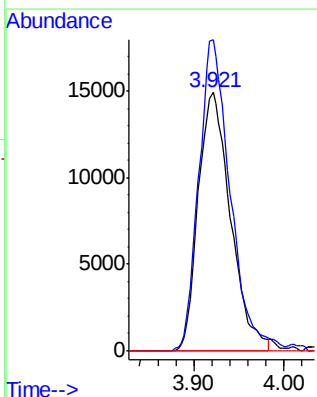
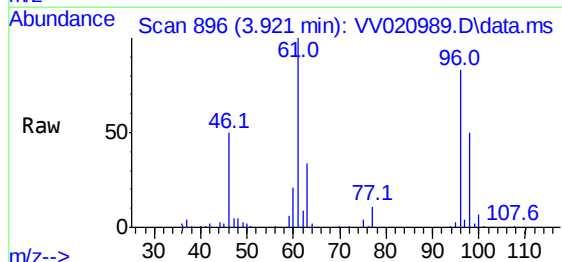
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 30.0  | 22.4  | 41.6  |
| 83  | 16.2  | 10.9  | 20.2  |

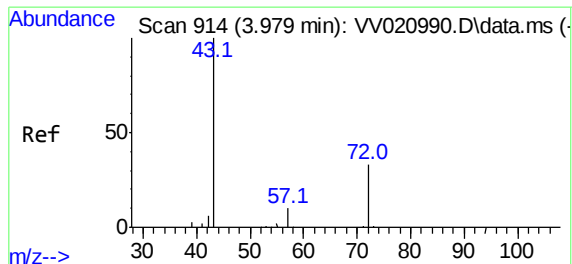


#20  
cis-1,2-Dichloroethene  
Concen: 10.32 ug/L  
RT: 3.921 min Scan# 896  
Delta R.T. 0.006 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 96 Resp: 36815

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 120.5 | 85.4  | 158.6 |
| 68  | 0.0   | 0.0   | 0.0   |

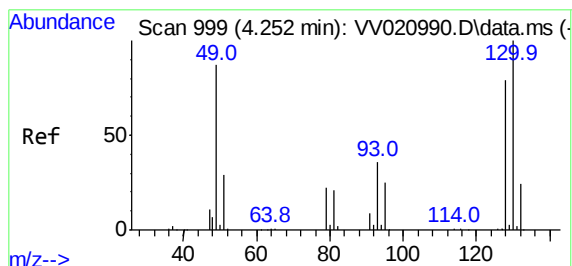
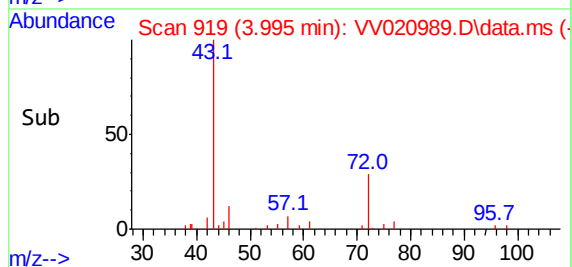
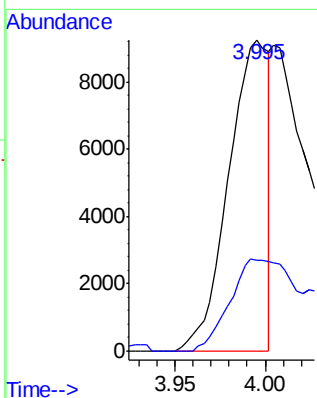
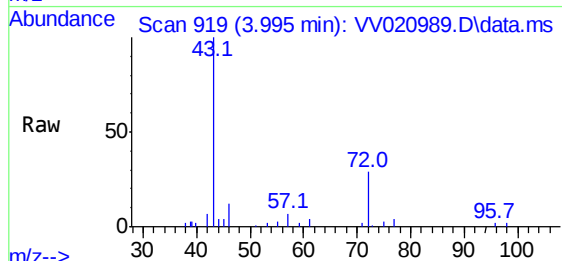




#22  
2-Butanone  
Concen: 6.13 ug/L  
RT: 3.995 min Scan# 919  
Delta R.T. 0.016 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

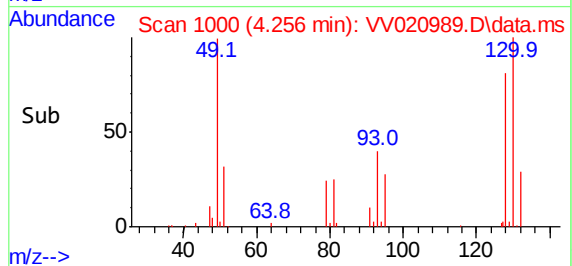
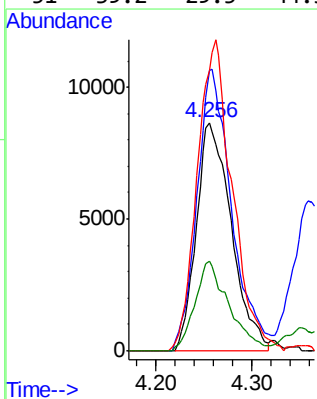
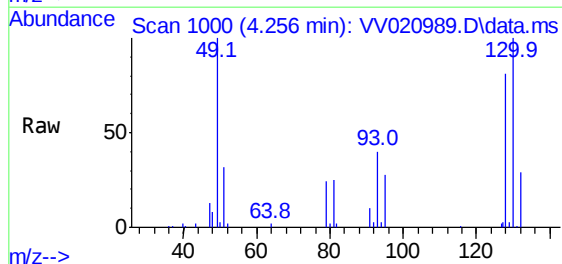
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

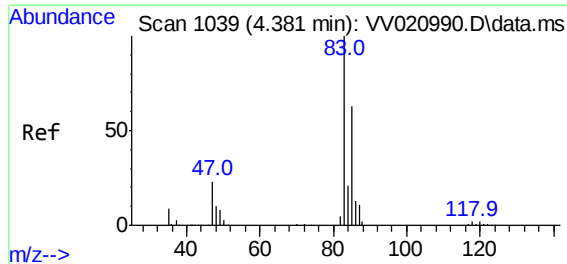
Tgt Ion: 43 Resp: 14153  
Ion Ratio Lower Upper  
43 100  
72 46.4 16.0 48.0



#23  
Bromochloromethane  
Concen: 11.03 ug/L  
RT: 4.256 min Scan# 1000  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 128 Resp: 21763  
Ion Ratio Lower Upper  
128 100  
49 122.9 77.0 143.0  
130 123.1 88.7 164.7  
51 39.2 29.5 44.3

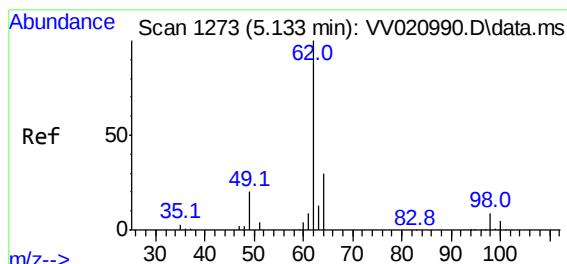
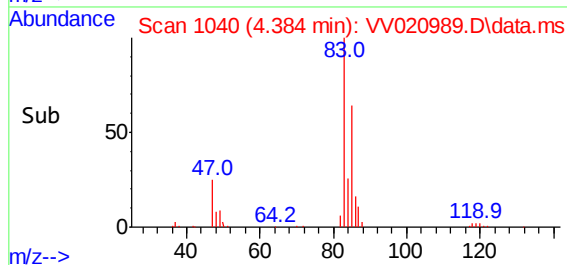
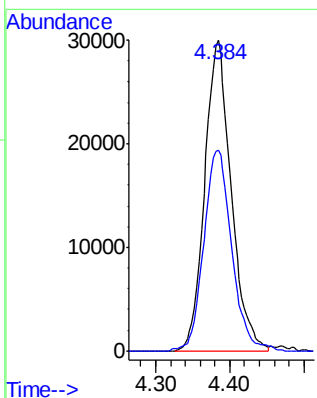
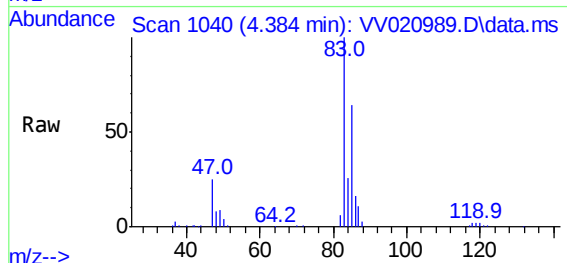




#25  
Chloroform  
Concen: 11.12 ug/L  
RT: 4.384 min Scan# 1040  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

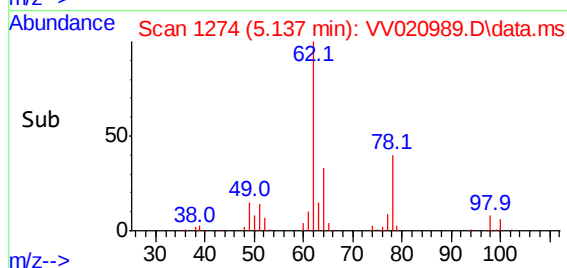
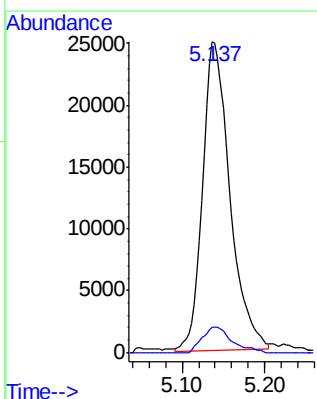
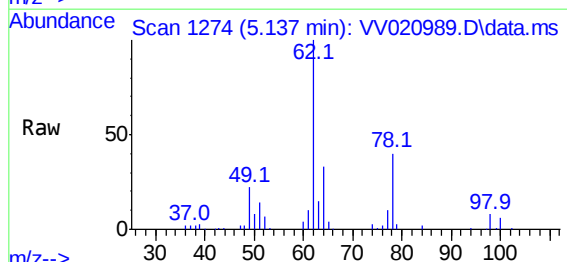
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

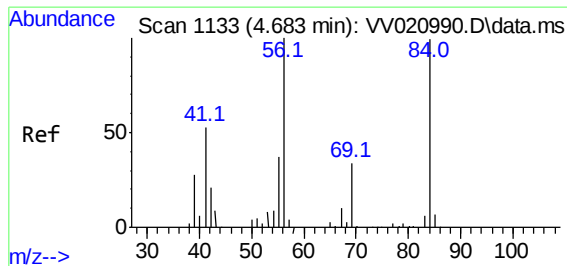
Tgt Ion: 83 Resp: 74312  
Ion Ratio Lower Upper  
83 100  
85 64.4 44.4 82.5



#27  
1,2-Dichloroethane  
Concen: 10.76 ug/L  
RT: 5.137 min Scan# 1274  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 62 Resp: 57192  
Ion Ratio Lower Upper  
62 100  
98 8.1 6.8 10.2





#29

Cyclohexane

Concen: 8.21 ug/L

RT: 4.683 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VV020989.D

Acq: 13 Apr 2021 10:00

Instrument :

MSVOA\_V

ClientSampleId :

VSTD01066

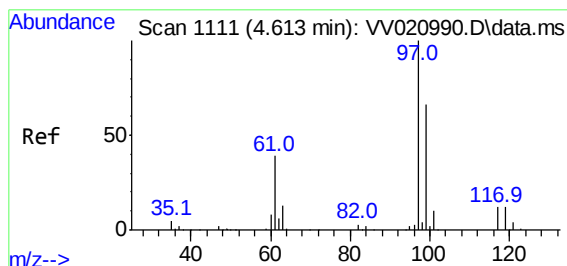
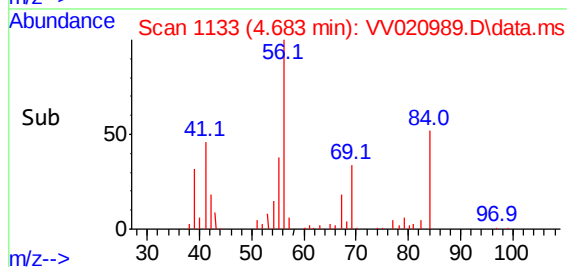
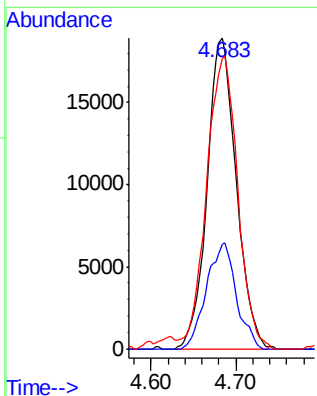
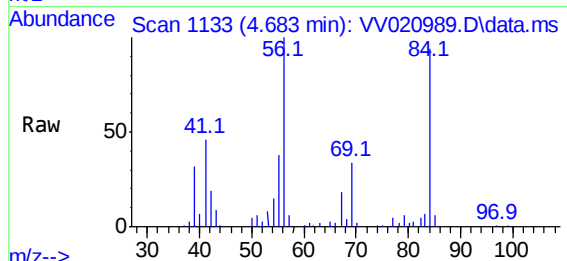
Tgt Ion: 56 Resp: 45026

Ion Ratio Lower Upper

56 100

69 34.9 26.9 40.3

84 101.1 79.3 118.9



#30

1,1,1-Trichloroethane

Concen: 11.45 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. 0.003 min

Lab File: VV020989.D

Acq: 13 Apr 2021 10:00

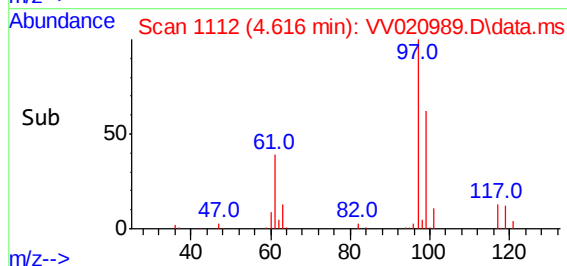
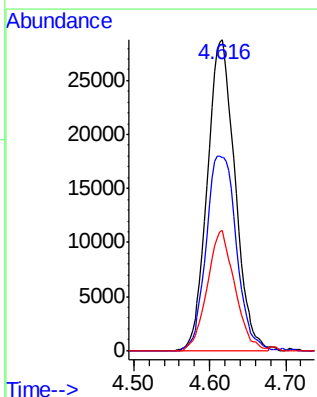
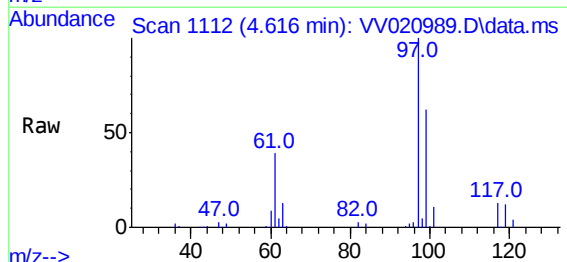
Tgt Ion: 97 Resp: 72750

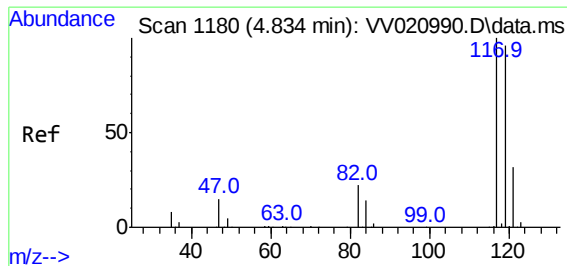
Ion Ratio Lower Upper

97 100

99 68.1 52.1 78.1

61 38.3 31.0 46.6

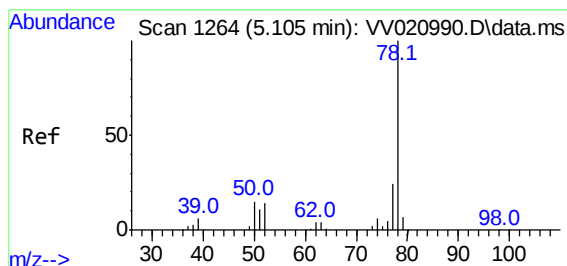
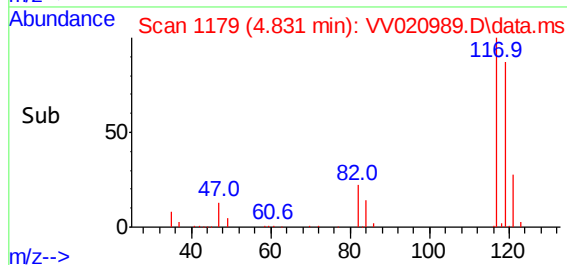
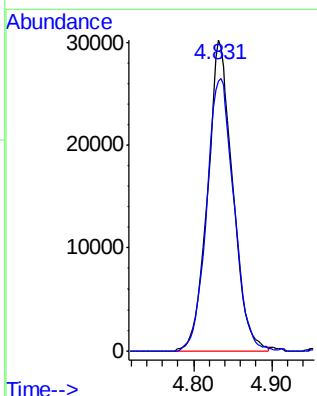
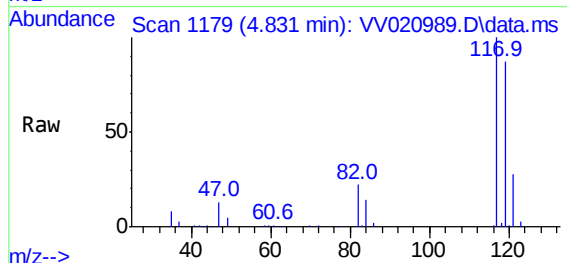




#31  
Carbon tetrachloride  
Concen: 11.85 ug/L  
RT: 4.831 min Scan# 1179  
Delta R.T. -0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

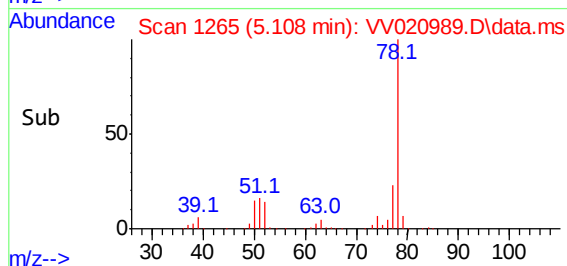
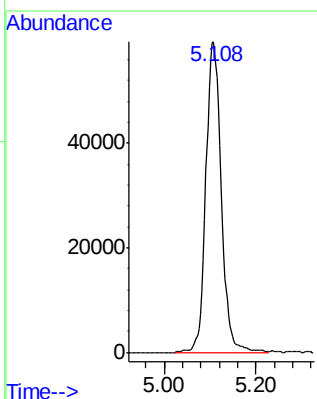
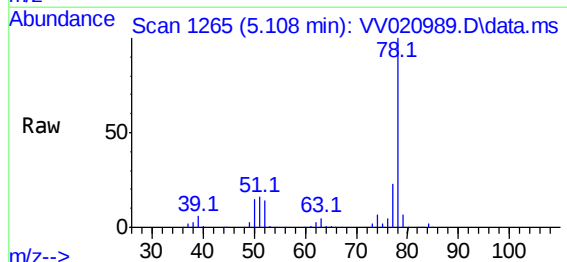
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

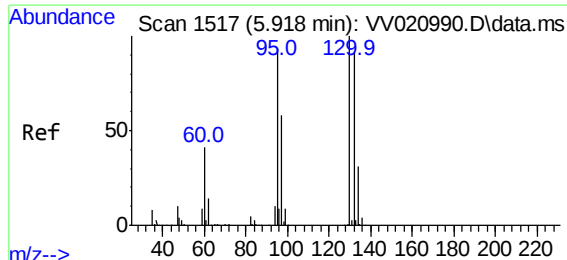
Tgt Ion:117 Resp: 68295  
Ion Ratio Lower Upper  
117 100  
119 95.0 76.9 115.3



#33  
Benzene  
Concen: 10.14 ug/L  
RT: 5.108 min Scan# 1265  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 78 Resp: 138168





#34

Trichloroethene

Concen: 10.01 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.006 min

Lab File: VV020989.D

Acq: 13 Apr 2021 10:00

Instrument :

MSVOA\_V

ClientSampleId :

VSTD01066

Tgt Ion: 95 Resp: 37993

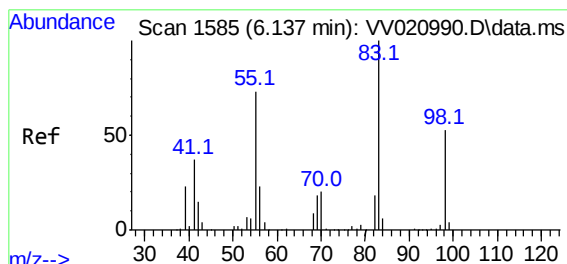
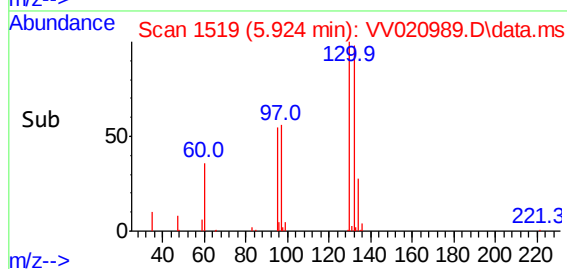
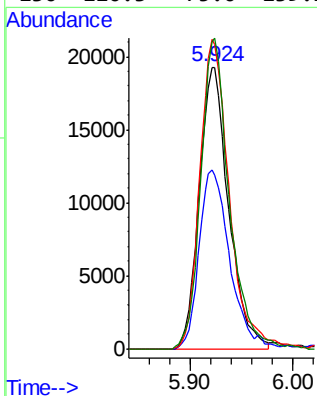
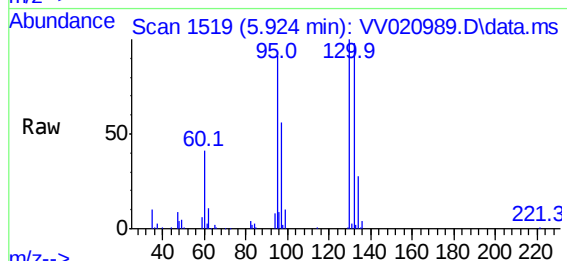
Ion Ratio Lower Upper

95 100

97 61.6 43.8 81.3

132 107.9 68.3 126.8

130 110.3 75.0 139.2



#35

Methylcyclohexane

Concen: 9.01 ug/L

RT: 6.137 min Scan# 1585

Delta R.T. -0.000 min

Lab File: VV020989.D

Acq: 13 Apr 2021 10:00

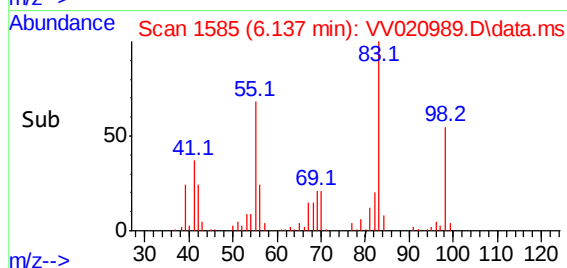
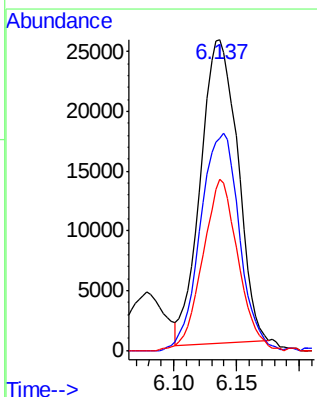
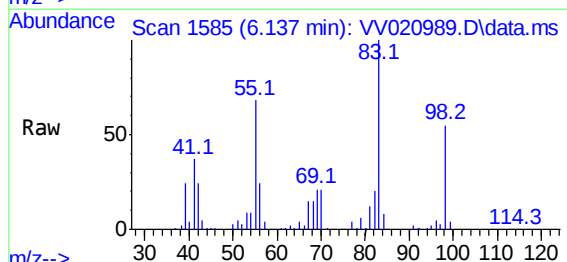
Tgt Ion: 83 Resp: 52301

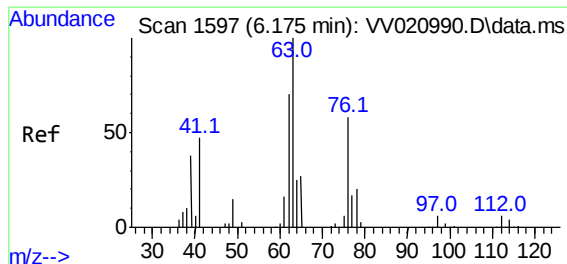
Ion Ratio Lower Upper

83 100

55 74.8 56.2 84.4

98 53.8 41.4 62.0

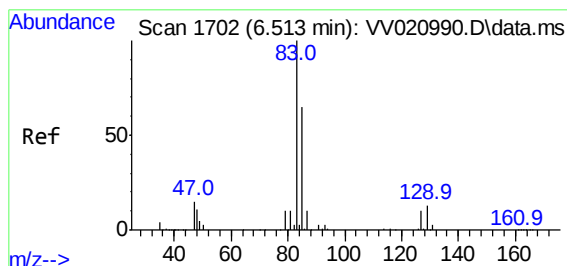
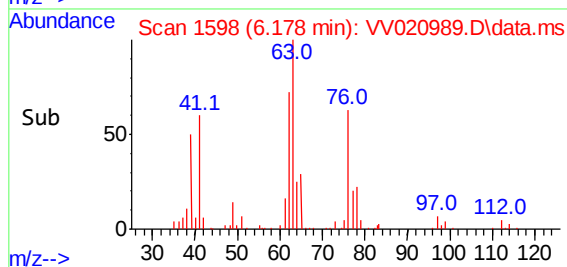
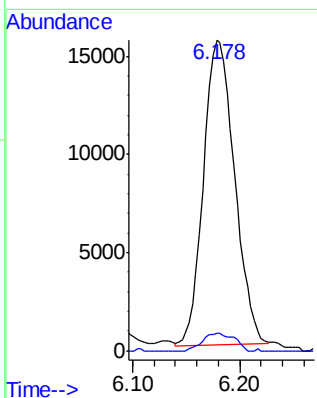
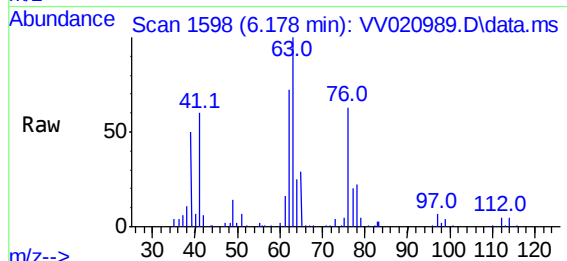




#37  
1,2-Dichloropropane  
Concen: 8.84 ug/L  
RT: 6.178 min Scan# 1598  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

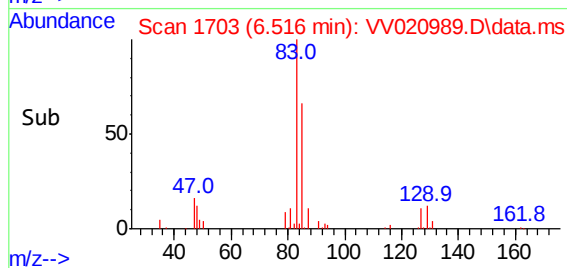
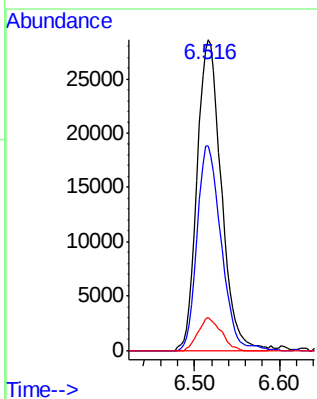
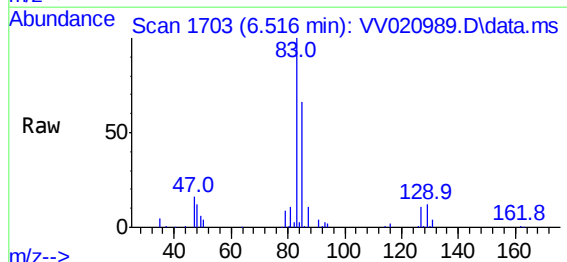
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

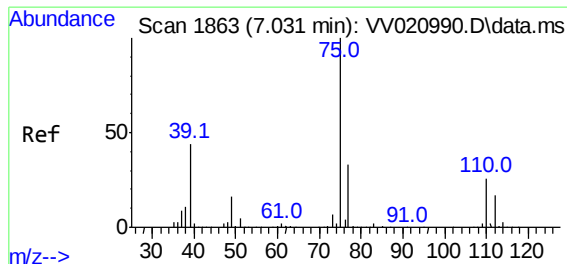
Tgt Ion: 63 Resp: 31240  
Ion Ratio Lower Upper  
63 100  
112 4.3 4.5 6.7#



#38  
Bromodichloromethane  
Concen: 10.93 ug/L  
RT: 6.516 min Scan# 1703  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 83 Resp: 56256  
Ion Ratio Lower Upper  
83 100  
85 65.9 45.5 84.5  
127 10.7 8.2 12.4

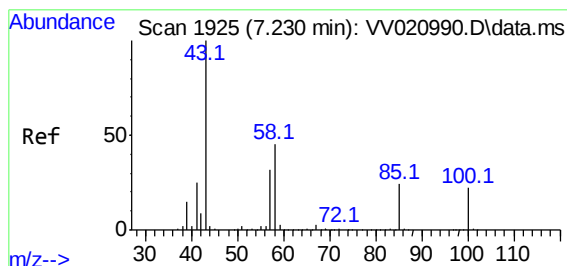
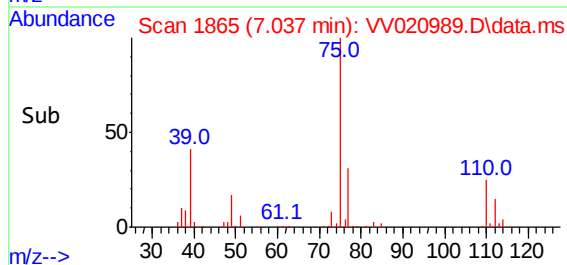
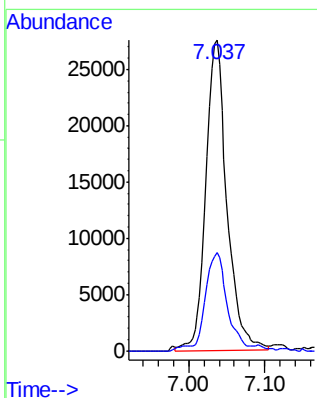
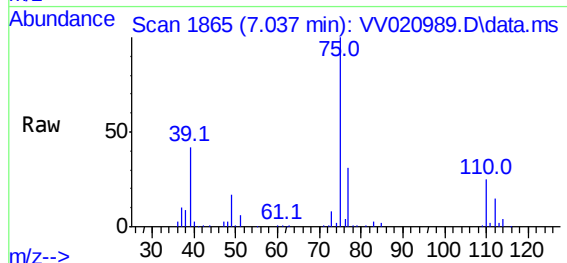




#39  
cis-1,3-Dichloropropene  
Concen: 9.48 ug/L  
RT: 7.037 min Scan# 1865  
Delta R.T. 0.006 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

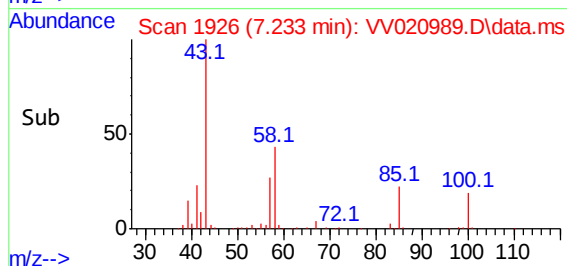
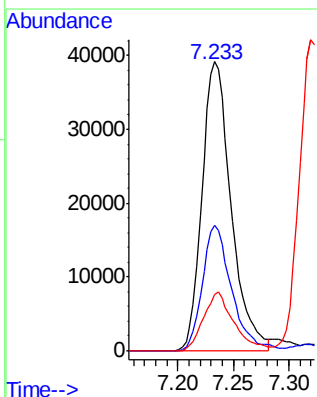
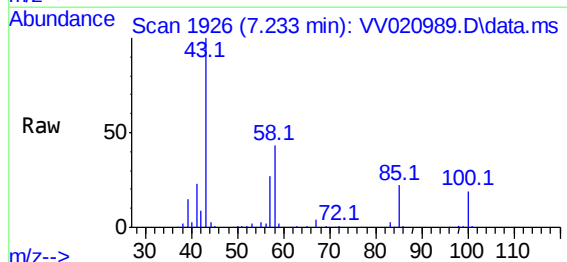
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

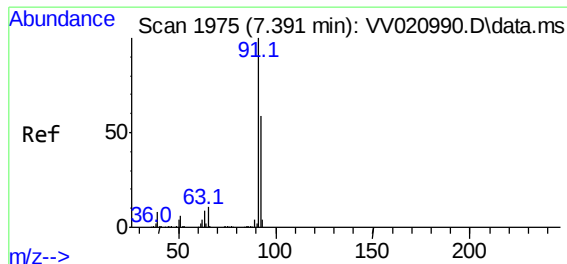
Tgt Ion: 75 Resp: 52899  
Ion Ratio Lower Upper  
75 100  
77 31.5 23.0 42.8



#40  
4-Methyl-2-pentanone  
Concen: 15.29 ug/L  
RT: 7.233 min Scan# 1926  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 43 Resp: 70999  
Ion Ratio Lower Upper  
43 100  
58 43.3 35.2 52.8  
100 20.9 17.1 25.7





#42

Toluene

Concen: 10.25 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.003 min

Lab File: VV020989.D

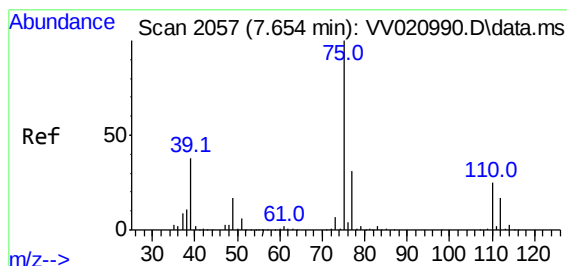
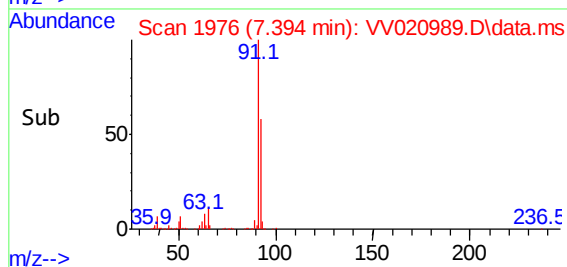
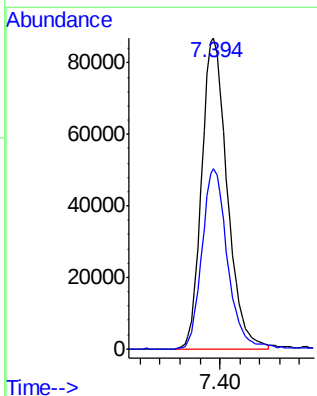
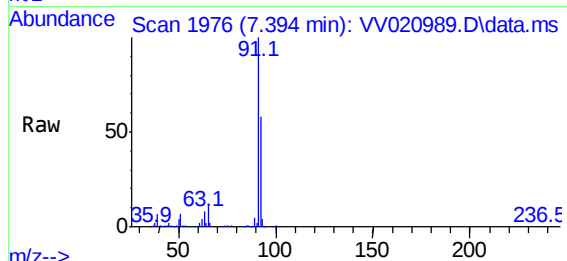
Acq: 13 Apr 2021 10:00

Tgt Ion: 91 Resp: 154419

Ion Ratio Lower Upper

91 100

92 58.0 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 9.85 ug/L

RT: 7.657 min Scan# 2058

Delta R.T. 0.003 min

Lab File: VV020989.D

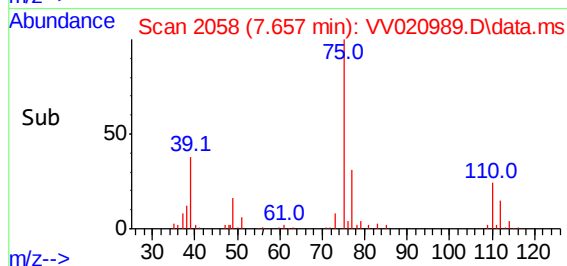
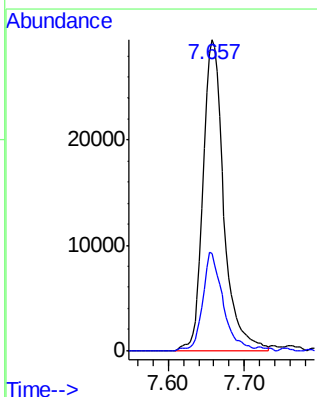
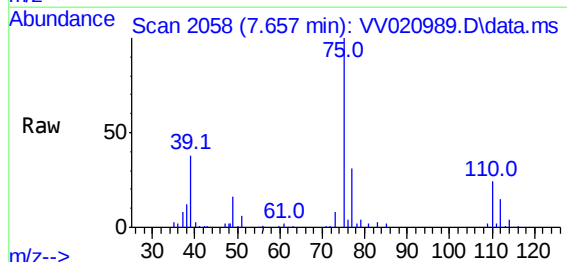
Acq: 13 Apr 2021 10:00

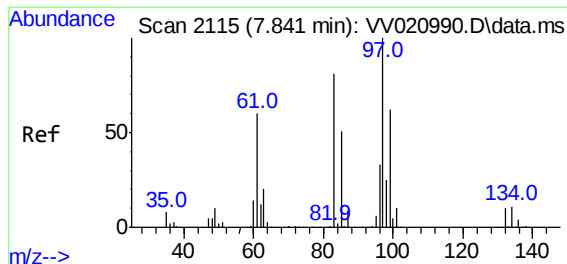
Tgt Ion: 75 Resp: 55209

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4



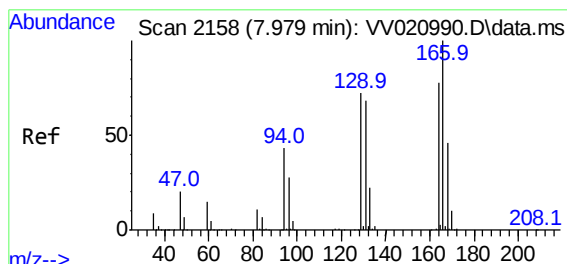
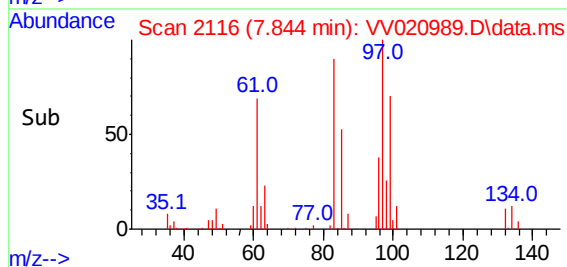
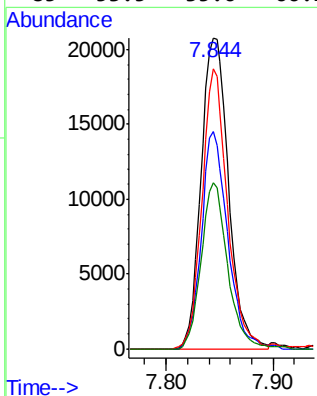
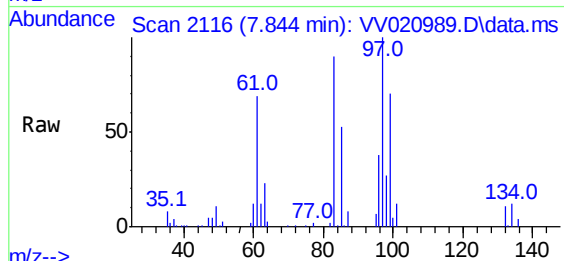


#45  
1,1,2-Trichloroethane  
Concen: 10.24 ug/L  
RT: 7.844 min Scan# 2116  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

Tgt Ion: 97 Resp: 36692

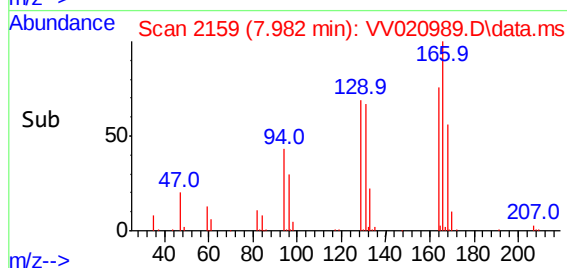
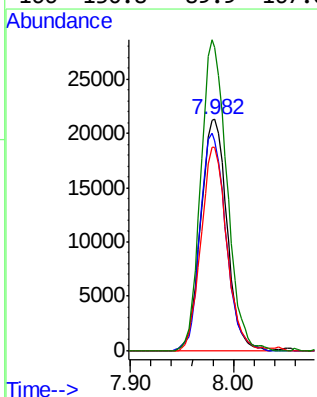
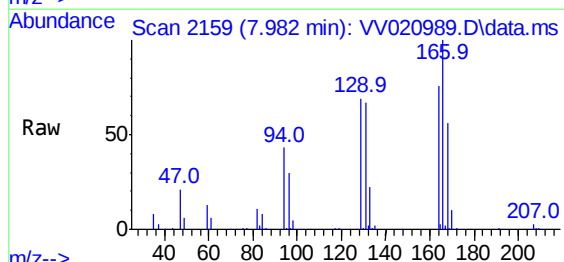
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 69.9  | 43.0  | 80.0  |
| 83  | 90.3  | 56.4  | 104.7 |
| 85  | 53.5  | 35.6  | 66.2  |

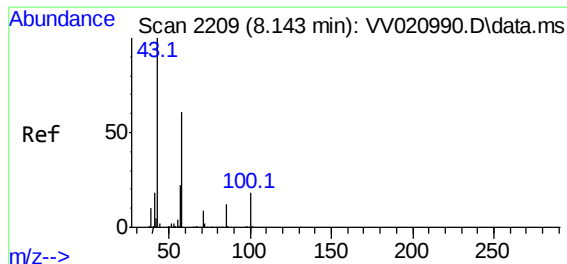


#46  
Tetrachloroethene  
Concen: 11.33 ug/L  
RT: 7.982 min Scan# 2159  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 164 Resp: 37209

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 90.5  | 64.3  | 119.5 |
| 131 | 88.0  | 61.1  | 113.5 |
| 166 | 130.8 | 89.9  | 167.0 |



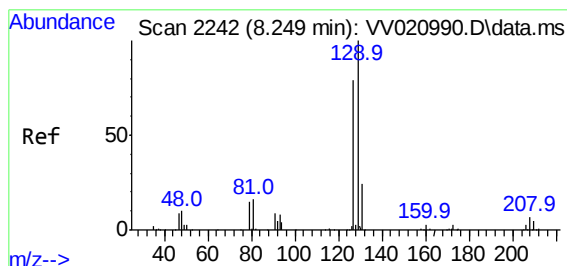
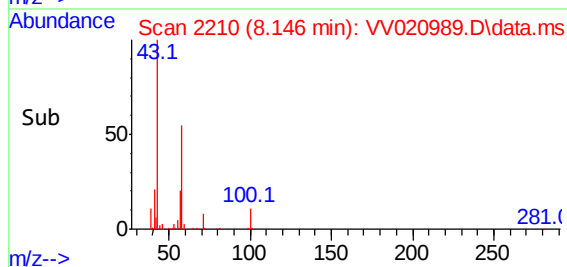
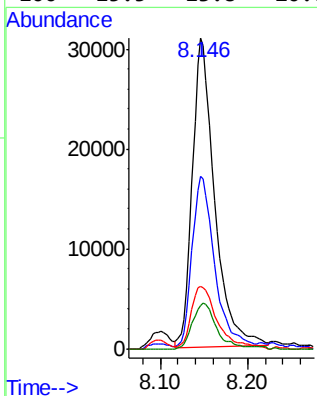
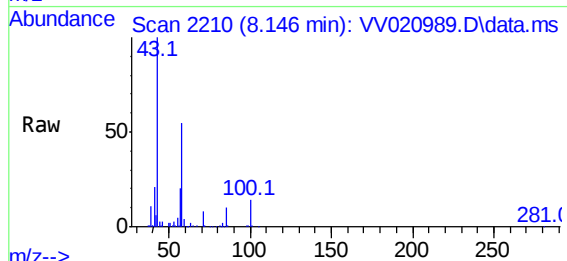


#48  
2-Hexanone  
Concen: 15.42 ug/L  
RT: 8.146 min Scan# 2210  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

Tgt Ion: 43 Resp: 54920

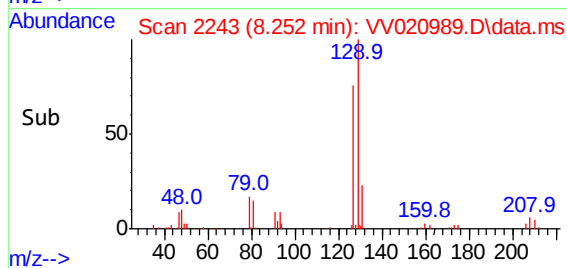
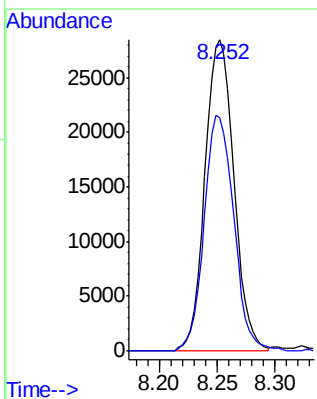
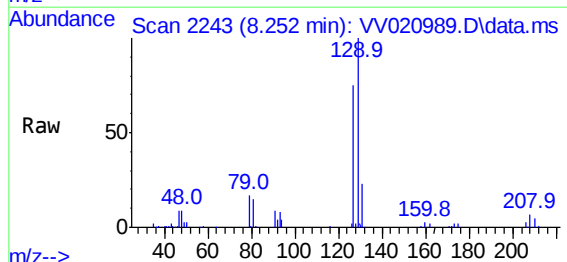
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 55.4  | 49.4  | 74.0  |
| 57  | 20.9  | 18.7  | 28.1  |
| 100 | 15.5  | 13.8  | 20.6  |

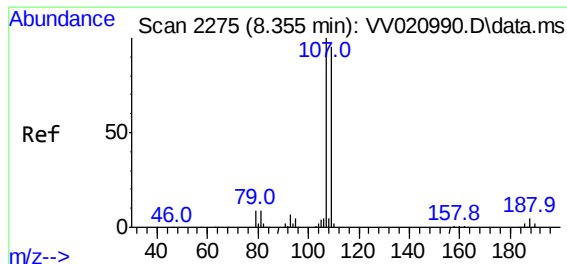


#49  
Dibromochloromethane  
Concen: 11.49 ug/L  
RT: 8.252 min Scan# 2243  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 129 Resp: 49381

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 74.9  | 55.3  | 102.7 |

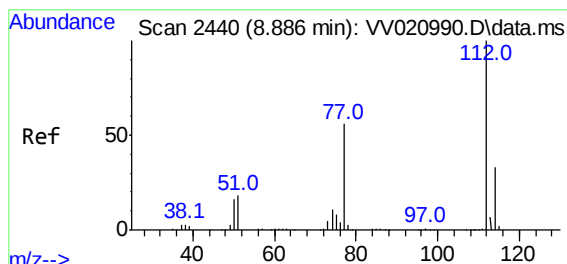
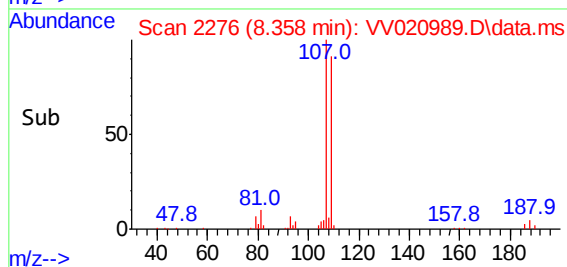
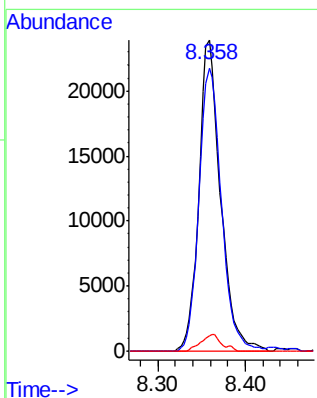
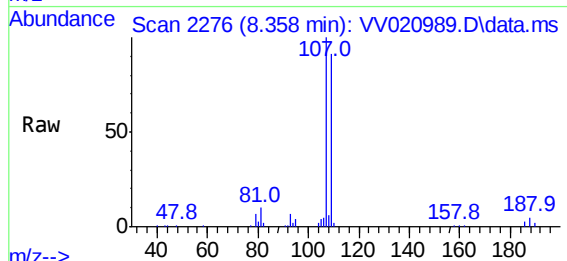




#50  
1,2-Dibromoethane  
Concen: 10.60 ug/L  
RT: 8.358 min Scan# 2276  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

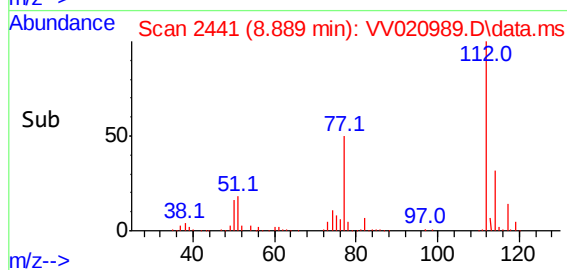
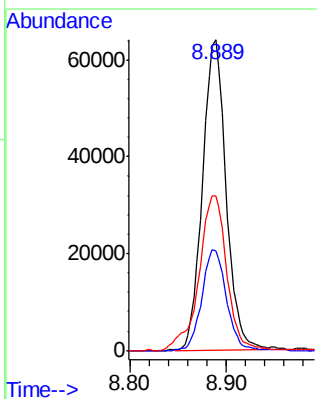
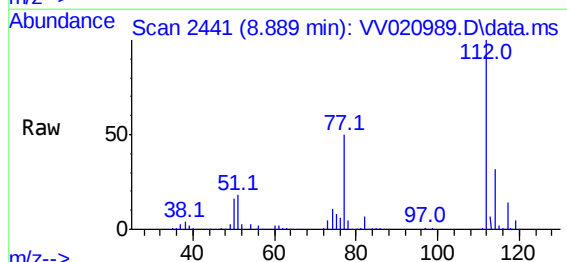
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

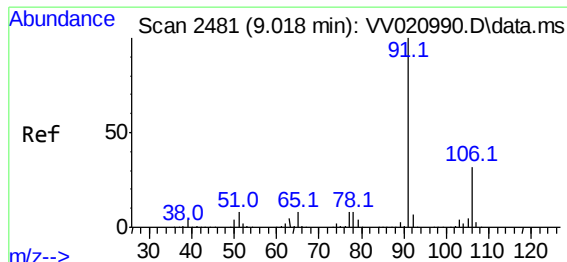
Tgt Ion:107 Resp: 40940  
Ion Ratio Lower Upper  
107 100  
109 90.8 66.1 122.8  
188 4.8 3.8 5.8



#51  
Chlorobenzene  
Concen: 10.68 ug/L  
RT: 8.889 min Scan# 2441  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion:112 Resp: 108723  
Ion Ratio Lower Upper  
112 100  
114 32.2 23.0 42.8  
77 49.8 45.1 67.7

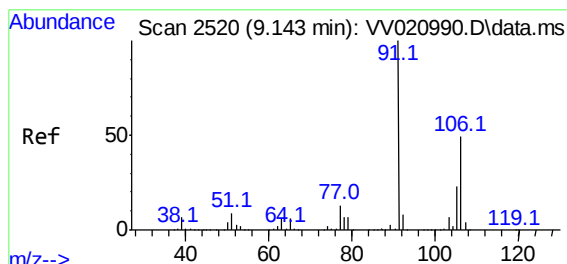
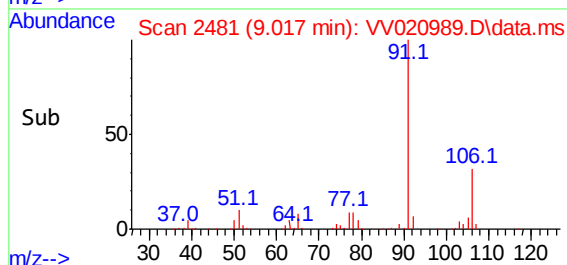
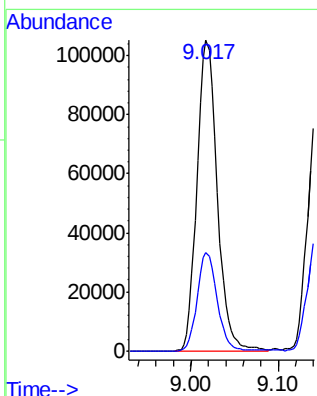
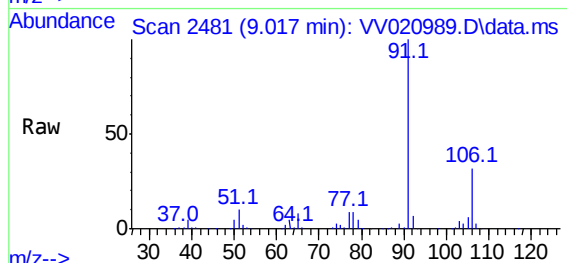




#52  
Ethylbenzene  
Concen: 9.80 ug/L  
RT: 9.017 min Scan# 2481  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

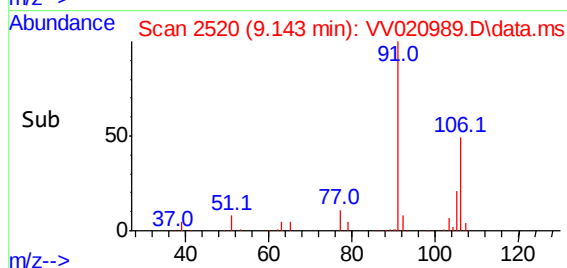
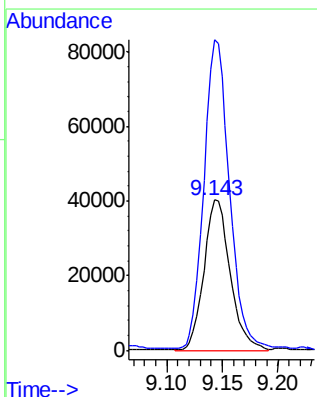
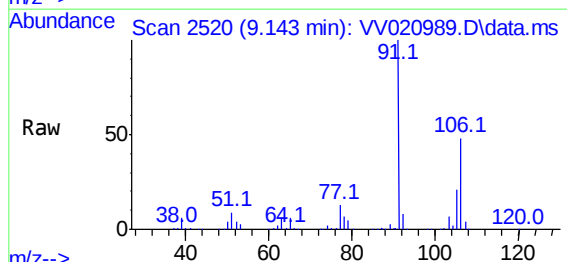
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

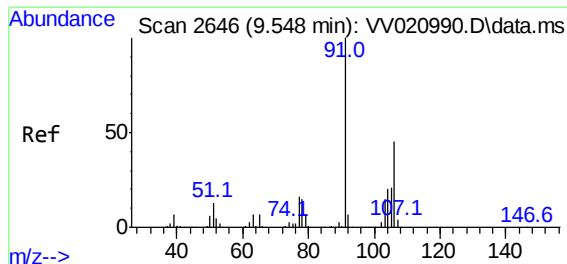
Tgt Ion: 91 Resp: 169066  
Ion Ratio Lower Upper  
91 100  
106 31.6 22.0 41.0



#53  
m,p-Xylene  
Concen: 10.25 ug/L  
RT: 9.143 min Scan# 2520  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 106 Resp: 66215  
Ion Ratio Lower Upper  
106 100  
91 206.9 143.4 266.2

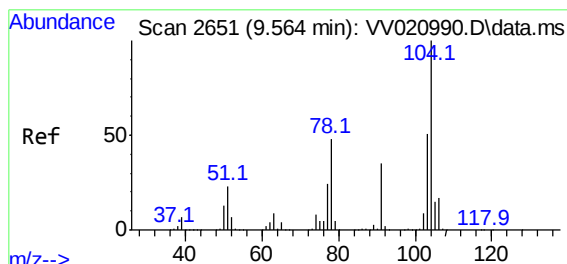
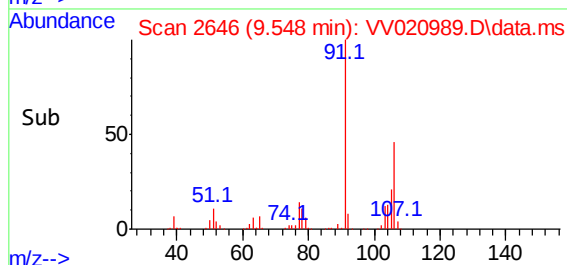
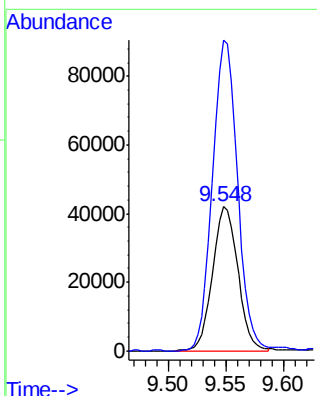
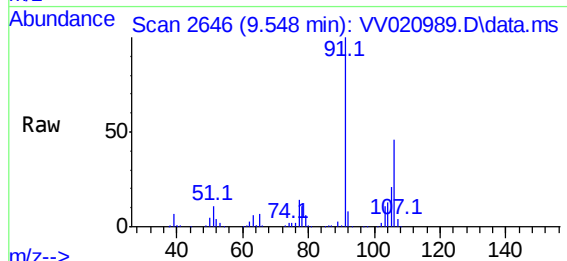




#54  
o-xylene  
Concen: 10.21 ug/L  
RT: 9.548 min Scan# 2646  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

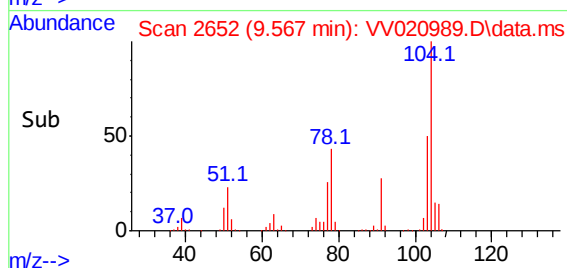
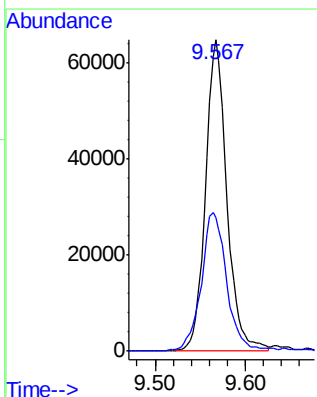
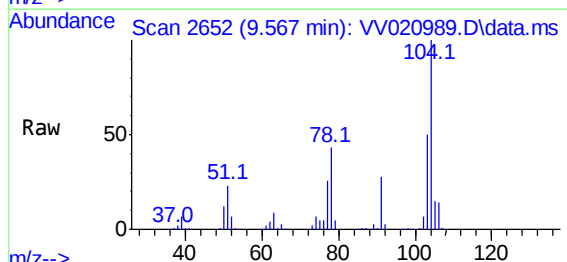
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

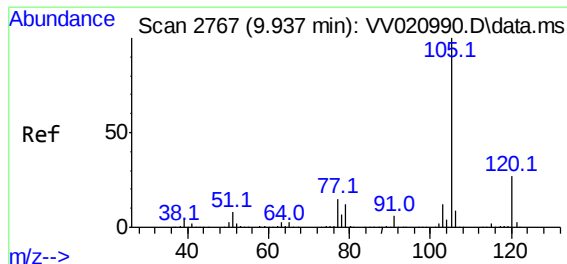
Tgt Ion:106 Resp: 63429  
Ion Ratio Lower Upper  
106 100  
91 215.8 156.2 290.2



#55  
Styrene  
Concen: 9.67 ug/L  
RT: 9.567 min Scan# 2652  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion:104 Resp: 105066  
Ion Ratio Lower Upper  
104 100  
78 42.8 33.6 62.4

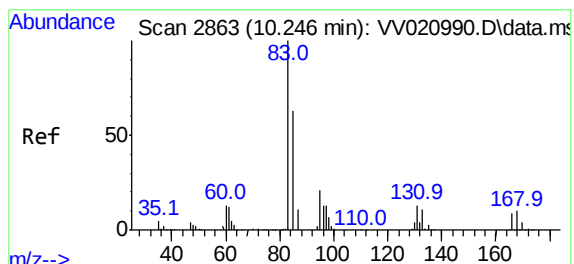
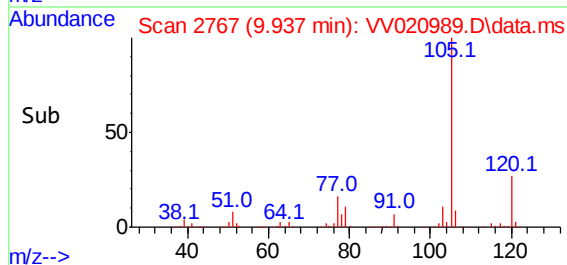
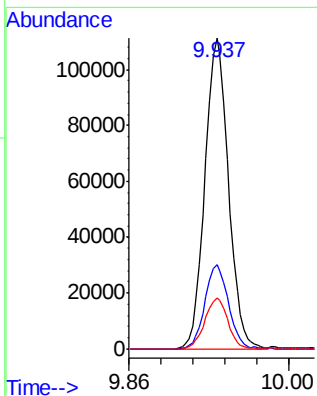
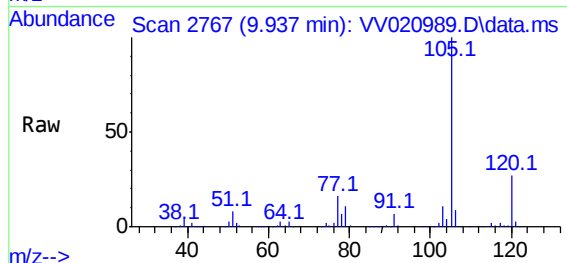




#56  
Isopropylbenzene  
Concen: 9.84 ug/L  
RT: 9.937 min Scan# 2767  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

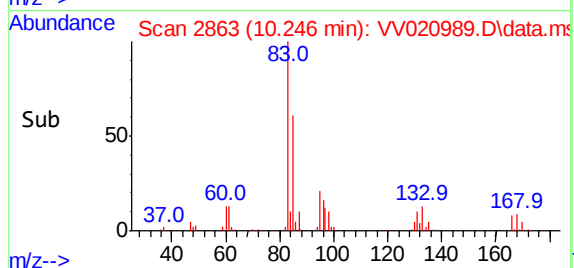
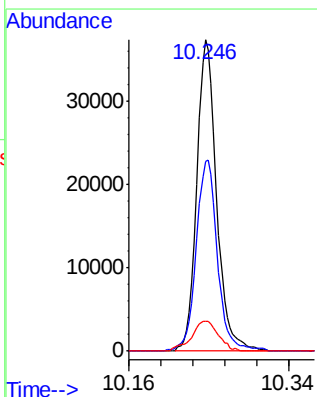
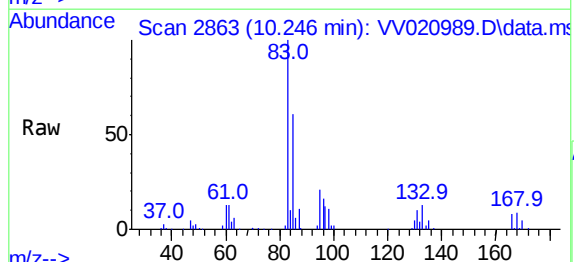
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

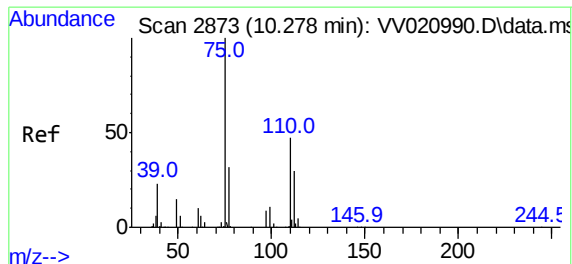
Tgt Ion:105 Resp: 168592  
Ion Ratio Lower Upper  
105 100  
120 27.2 21.3 31.9  
77 15.9 12.6 18.8



#58  
1,1,2,2-Tetrachloroethane  
Concen: 10.29 ug/L  
RT: 10.246 min Scan# 2863  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 83 Resp: 59572  
Ion Ratio Lower Upper  
83 100  
85 60.8 44.5 82.7  
131 9.6 10.4 15.6#

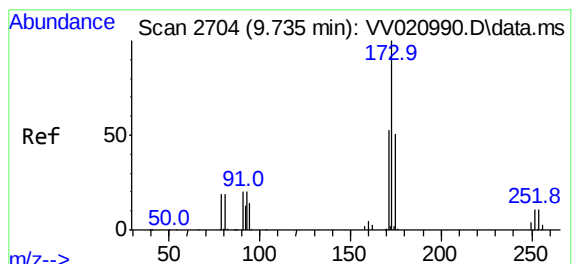
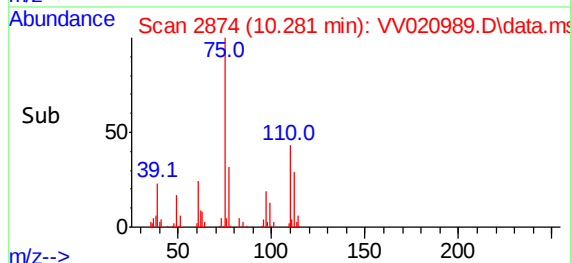
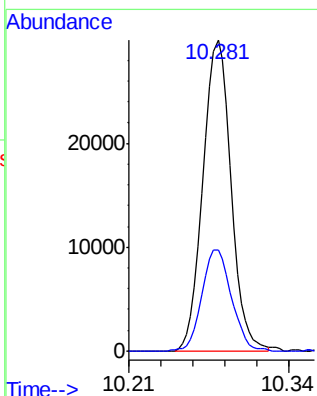
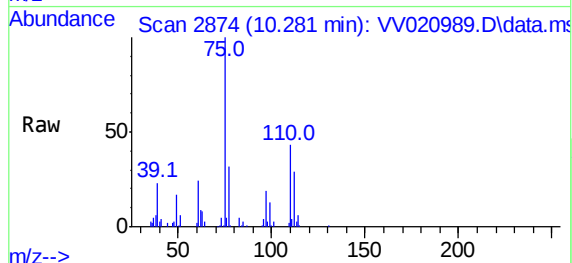




#59  
1,2,3-Trichloropropane  
Concen: 10.00 ug/L  
RT: 10.281 min Scan# 2874  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

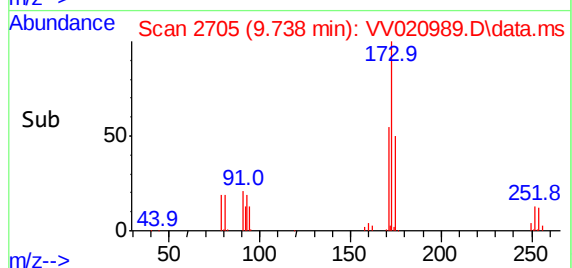
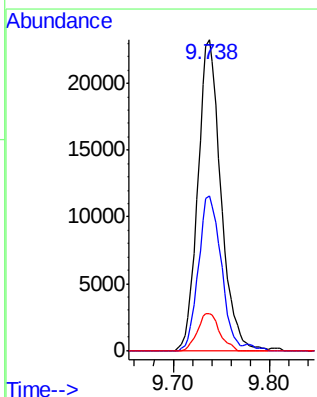
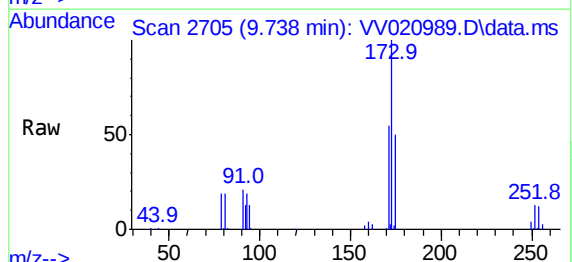
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

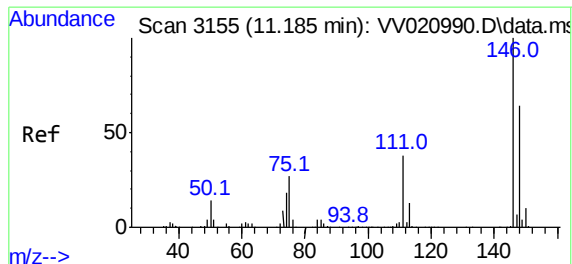
Tgt Ion: 75 Resp: 47037  
Ion Ratio Lower Upper  
75 100  
77 34.2 26.6 40.0



#61  
Bromoform  
Concen: 11.53 ug/L  
RT: 9.738 min Scan# 2705  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion:173 Resp: 38419  
Ion Ratio Lower Upper  
173 100  
175 48.8 39.1 58.7  
254 11.3 8.3 12.5

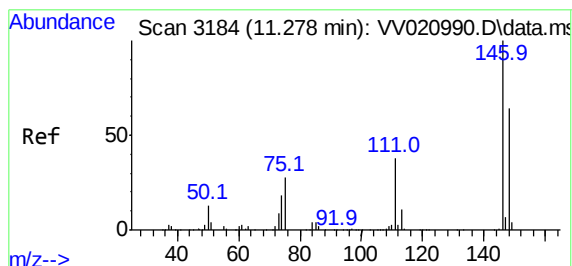
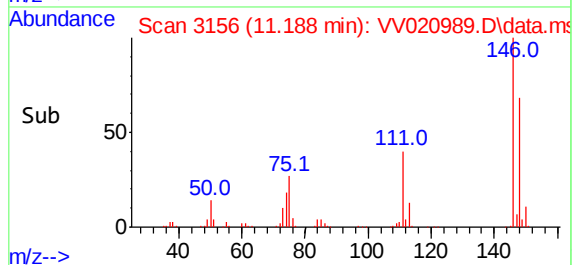
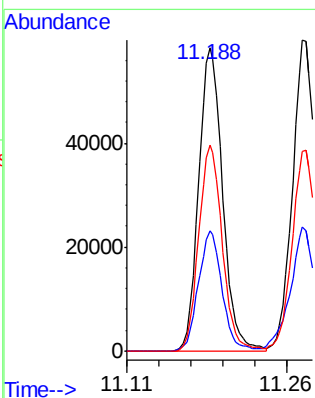
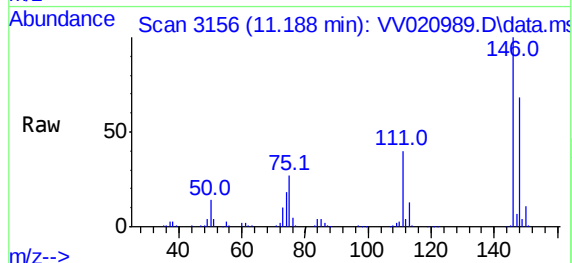




#62  
1,3-Dichlorobenzene  
Concen: 10.65 ug/L  
RT: 11.188 min Scan# 3156  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

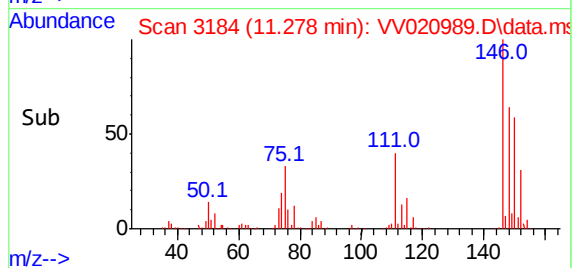
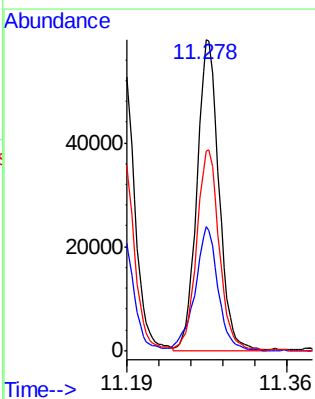
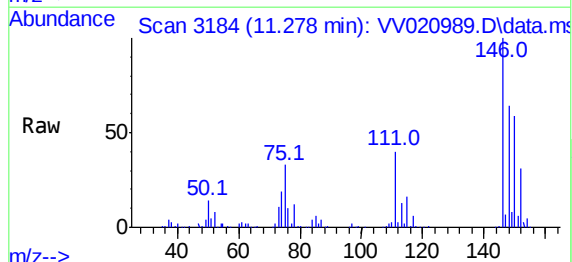
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

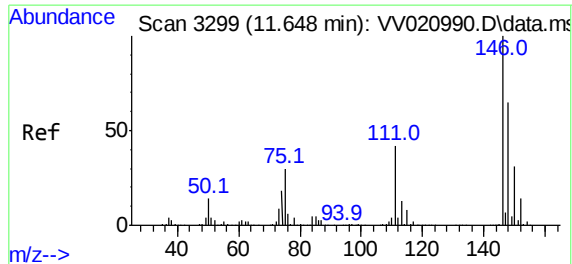
Tgt Ion:146 Resp: 93232  
Ion Ratio Lower Upper  
146 100  
111 39.6 26.9 49.9  
148 67.6 44.6 82.8



#63  
1,4-Dichlorobenzene  
Concen: 10.81 ug/L  
RT: 11.278 min Scan# 3184  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion:146 Resp: 98037  
Ion Ratio Lower Upper  
146 100  
111 40.0 26.8 49.8  
148 64.0 44.8 83.2

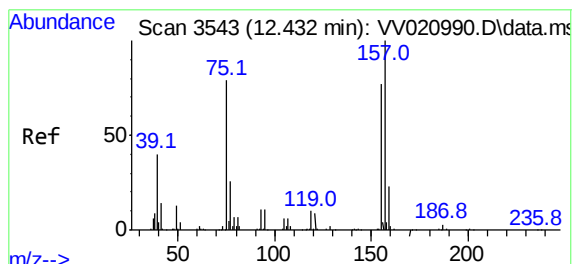
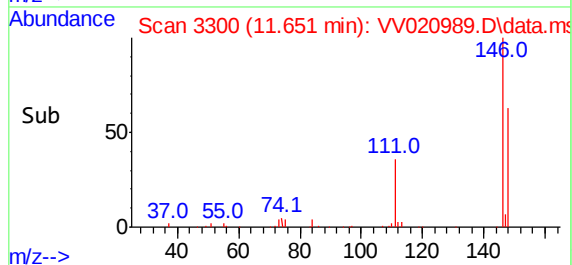
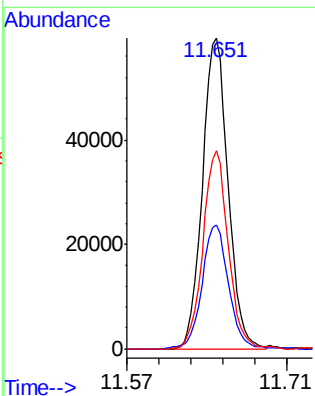
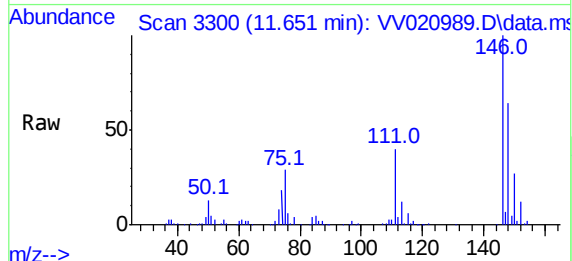




#65  
1,2-Dichlorobenzene  
Concen: 10.99 ug/L  
RT: 11.651 min Scan# 3300  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

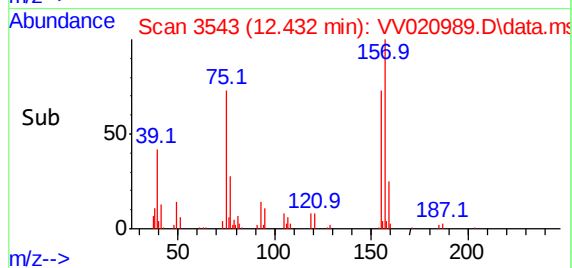
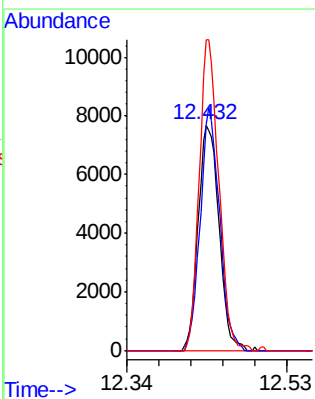
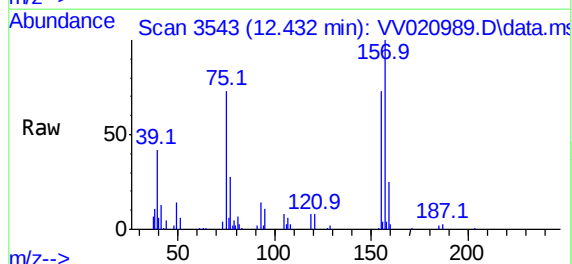
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MSVOA\_V  
ClientSampled :  
VSTD01066

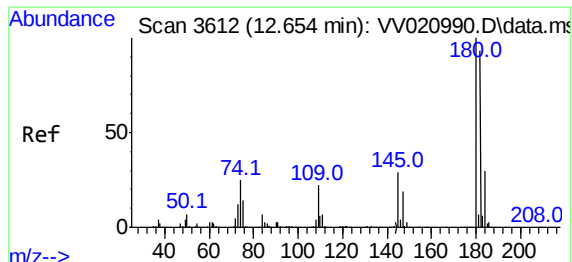
Tgt Ion:146 Resp: 95066  
Ion Ratio Lower Upper  
146 100  
111 39.9 33.4 50.0  
148 63.7 51.6 77.4



#66  
1,2-Dibromo-3-chloropropane  
Concen: 9.11 ug/L  
RT: 12.432 min Scan# 3543  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion: 75 Resp: 13001  
Ion Ratio Lower Upper  
75 100  
155 100.2 78.0 117.0  
157 137.7 100.9 151.3

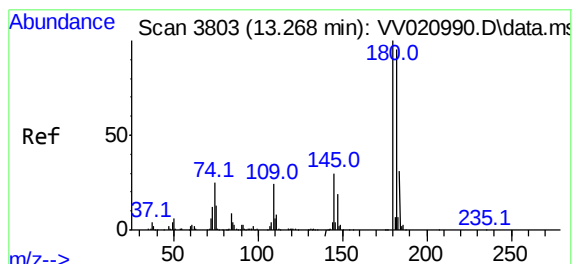
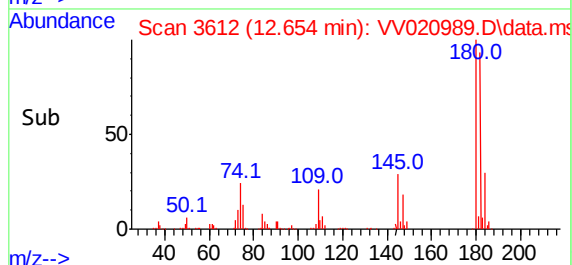
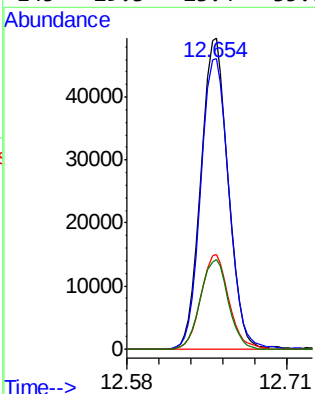
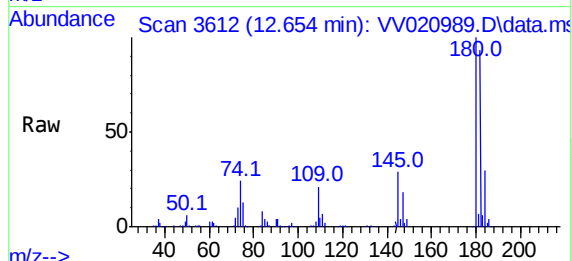




#67  
1,3,5-Trichlorobenzene  
Concen: 10.89 ug/L  
RT: 12.654 min Scan# 3612  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

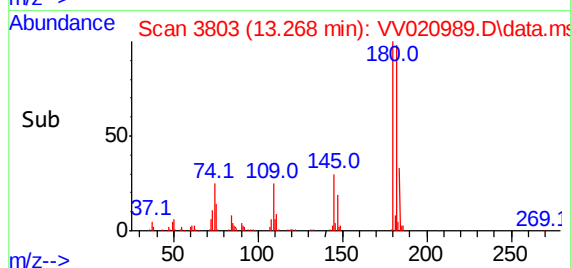
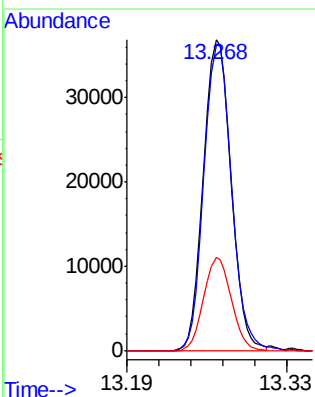
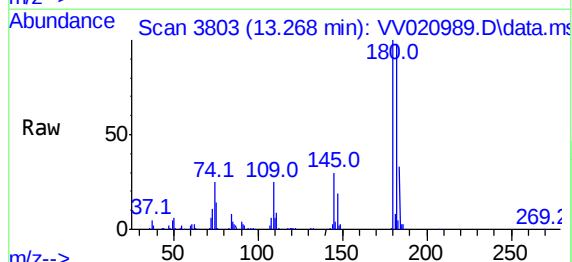
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

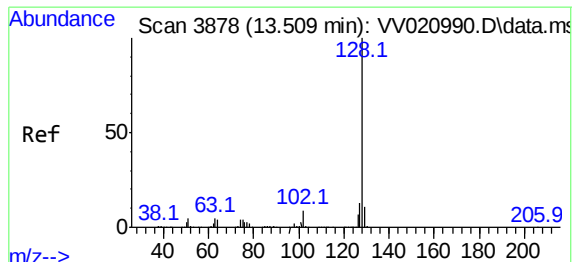
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 75100 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 96.6  | 75.3  | 112.9 |
| 184      | 30.9  | 23.6  | 35.4  |
| 145      | 29.3  | 23.4  | 35.0  |



#68  
1,2,4-trichlorobenzene  
Concen: 9.88 ug/L  
RT: 13.268 min Scan# 3803  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 57044 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 99.0  | 76.5  | 114.7 |
| 145      | 29.8  | 24.0  | 36.0  |

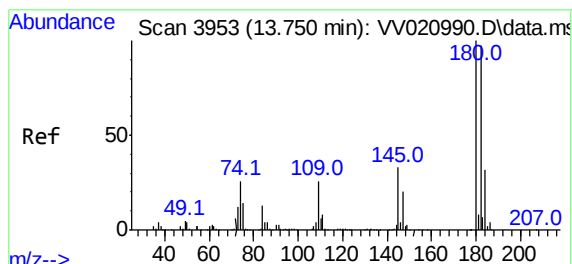
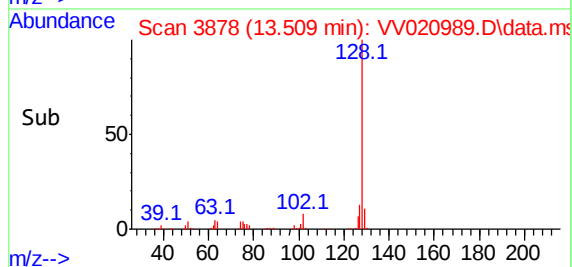
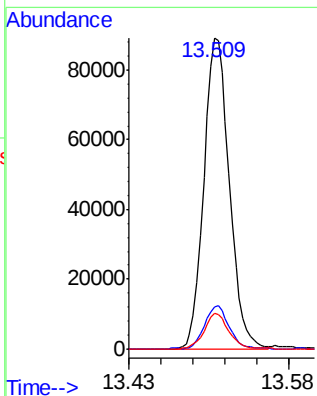
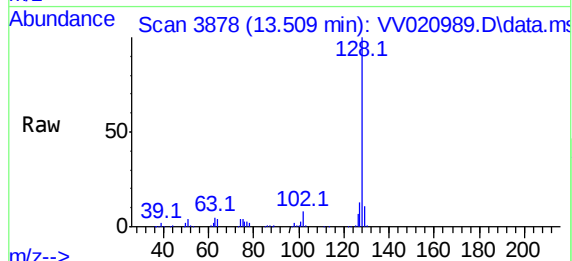




#69  
Naphthalene  
Concen: 8.68 ug/L  
RT: 13.509 min Scan# 3878  
Delta R.T. -0.000 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD01066

Tgt Ion:128 Resp: 141634  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.4 15.6  
129 10.7 8.7 13.1



#70  
1,2,3-Trichlorobenzene  
Concen: 10.33 ug/L  
RT: 13.754 min Scan# 3954  
Delta R.T. 0.003 min  
Lab File: VV020989.D  
Acq: 13 Apr 2021 10:00

Tgt Ion:180 Resp: 60108  
Ion Ratio Lower Upper  
180 100  
182 94.6 77.3 115.9  
145 31.2 25.4 38.0

