

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030322\  
 Data File : VX027284.D  
 Acq On : 03 Mar 2022 21:23  
 Operator : JC/MD  
 Sample : N1769-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT-TB-20220302

Quant Time: Mar 04 02:42:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X030322W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Mar 04 01:00:22 2022  
 Response via : Initial Calibration

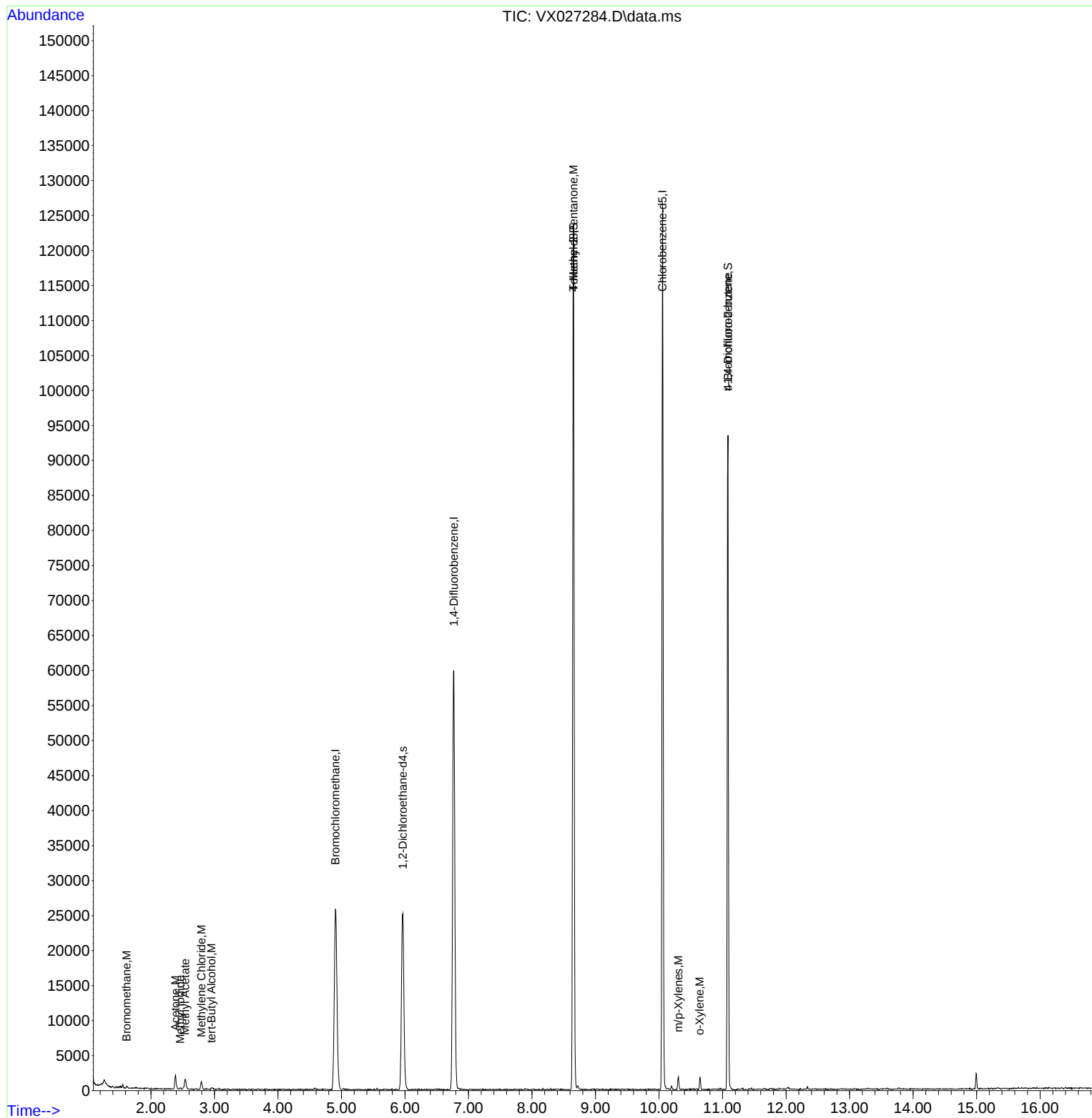
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.904  | 128   | 11922    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.769  | 114   | 64642    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 57449    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.964  | 65    | 25359    | 30.725   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 102.400% |
| 60) 4-Bromofluorobenzene    | 11.085 | 95    | 25663    | 27.574   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 91.900%  |
| 63) Toluene-d8              | 8.653  | 98    | 74379    | 29.616   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 98.733%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 5) Bromomethane             | 1.618  | 94    | 124      | 0.393    | ug/l   | 99       |
| 11) Methyl Iodide           | 2.459  | 142   | 204      | 0.256    | ug/l # | 40       |
| 12) Methyl Acetate          | 2.538  | 43    | 412      | 0.464    | ug/l # | 47       |
| 15) Acetone                 | 2.386  | 58    | 622      | 5.409    | ug/l   | 96       |
| 18) Methylene Chloride      | 2.794  | 84    | 495      | 0.642    | ug/l # | 85       |
| 23) tert-Butyl Alcohol      | 2.953  | 59    | 156      | 0.983    | ug/l # | 100      |
| 58) 4-Methyl-2-Pentanone    | 8.653  | 43    | 223      | 0.215    | ug/l # | 1        |
| 67) m/p-Xylenes             | 10.305 | 106   | 577      | 0.418    | ug/l   | 94       |
| 68) o-Xylene                | 10.640 | 106   | 491      | 0.364    | ug/l   | 95       |
| 77) t-1,4-Dichloro-2-butene | 11.085 | 75    | 12394    | 41.496   | ug/l # | 3        |
| -----                       |        |       |          |          |        |          |

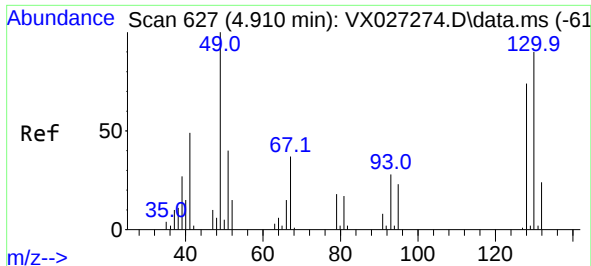
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030322\  
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Sample : N1769-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220302

Quant Time: Mar 04 02:42:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X030322W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Mar 04 01:00:22 2022  
Response via : Initial Calibration

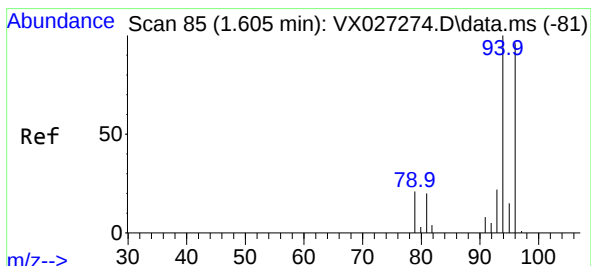
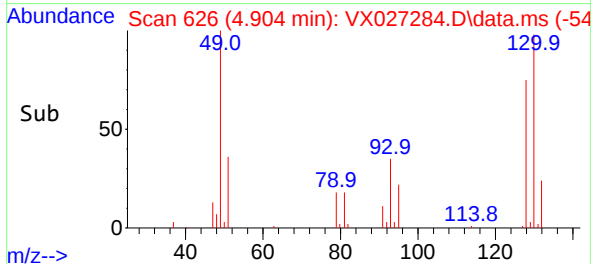
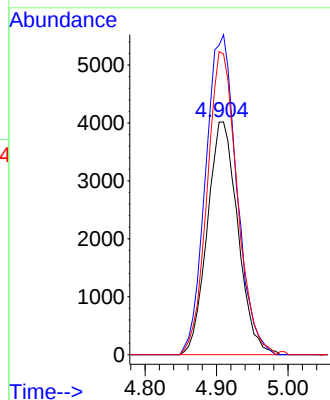
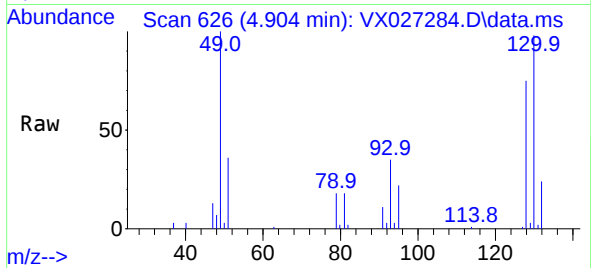




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

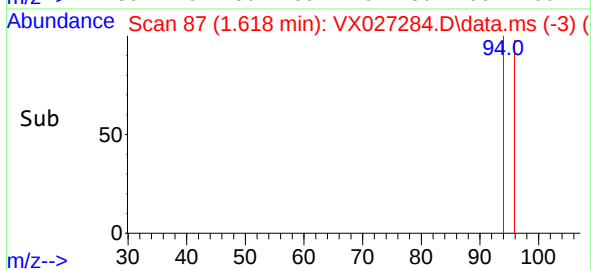
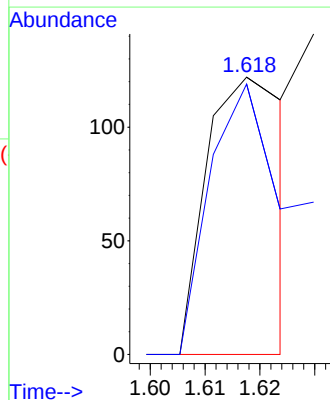
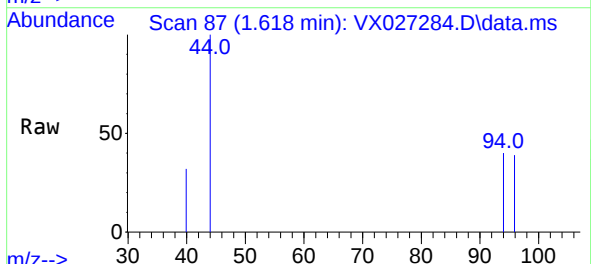
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220302

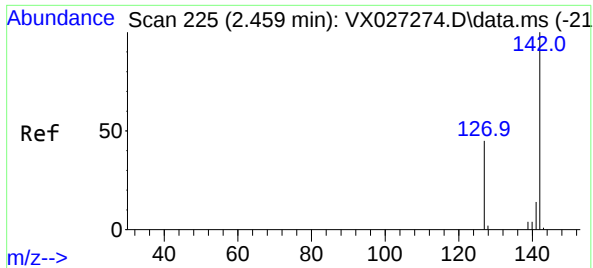
Tgt Ion:128 Resp: 11922  
Ion Ratio Lower Upper  
128 100  
49 140.1 0.0 358.3  
130 128.2 0.0 319.3



#5  
Bromomethane  
Concen: 0.393 ug/l  
RT: 1.618 min Scan# 87  
Delta R.T. 0.012 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

Tgt Ion: 94 Resp: 124  
Ion Ratio Lower Upper  
94 100  
96 97.5 77.0 115.6

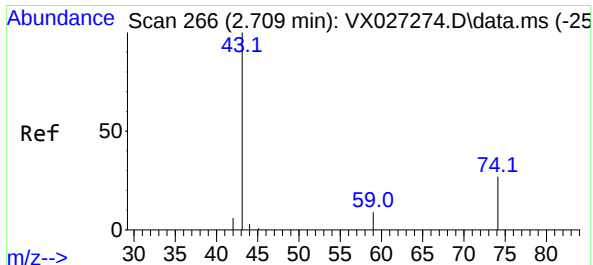
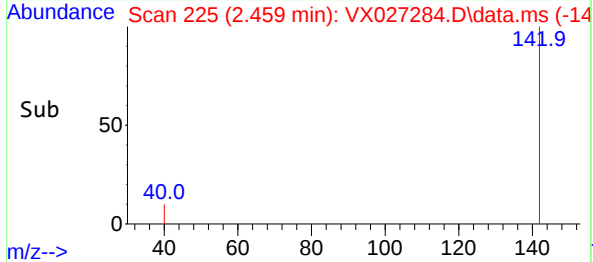
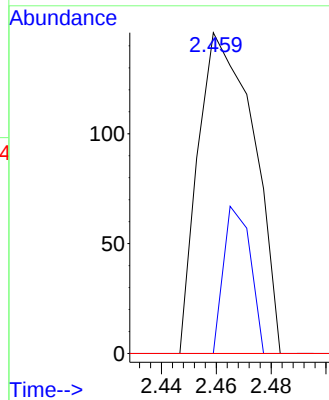
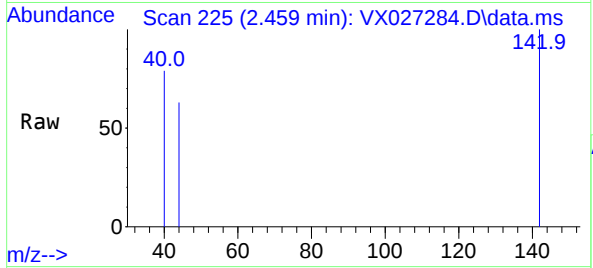




#11  
Methyl Iodide  
Concen: 0.256 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

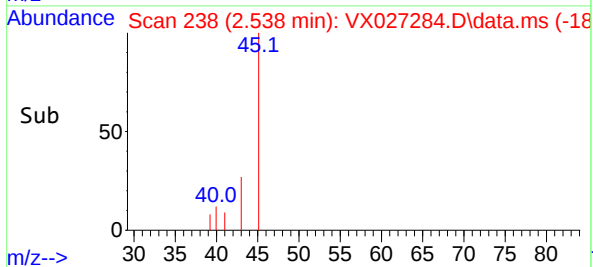
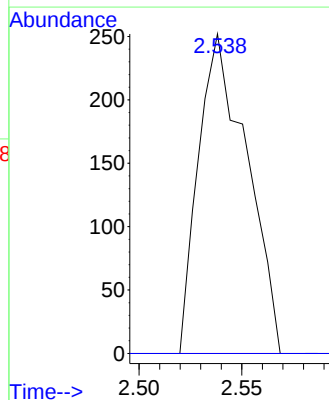
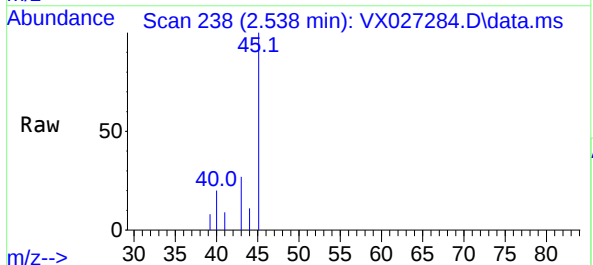
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220302

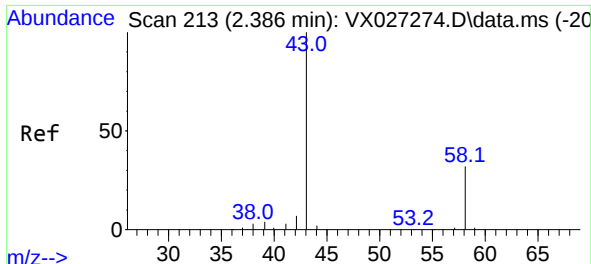
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 204   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 0.0   | 22.3  | 66.9# |
| 141      | 0.0   | 7.0   | 20.9# |



#12  
Methyl Acetate  
Concen: 0.464 ug/l  
RT: 2.538 min Scan# 238  
Delta R.T. -0.171 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 412   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 74       | 0.0   | 22.1  | 33.1# |

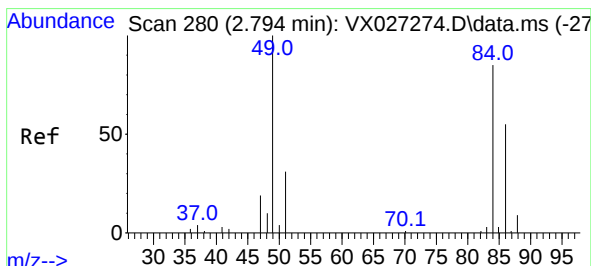
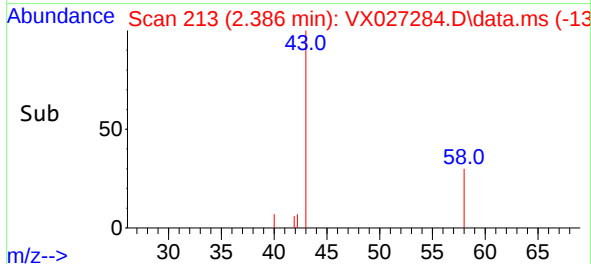
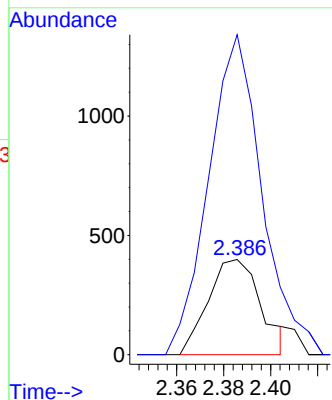
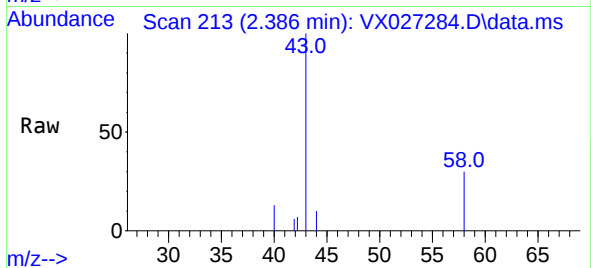




#15  
Acetone  
Concen: 5.409 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

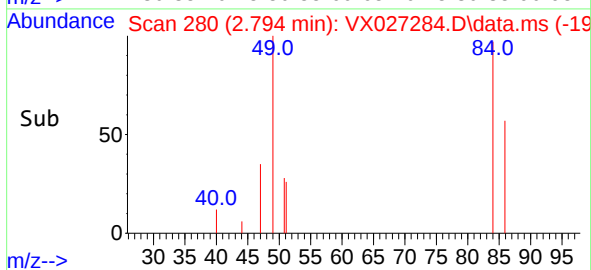
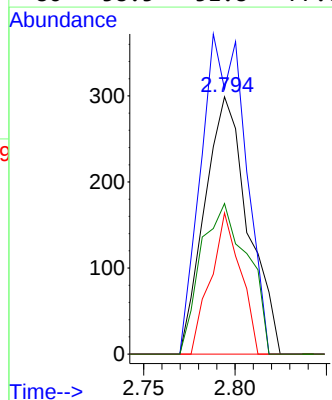
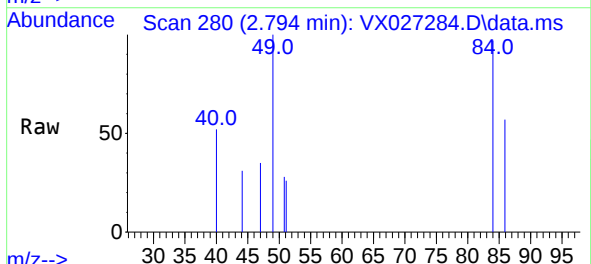
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220302

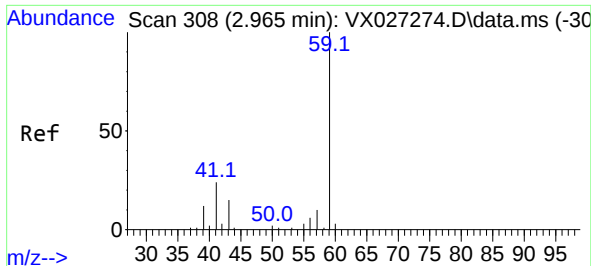
Tgt Ion: 58 Resp: 622  
Ion Ratio Lower Upper  
58 100  
43 304.0 250.2 375.2



#18  
Methylene Chloride  
Concen: 0.642 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

Tgt Ion: 84 Resp: 495  
Ion Ratio Lower Upper  
84 100  
49 103.0 94.2 141.2  
51 54.8 29.2 43.8  
86 58.5 51.8 77.6

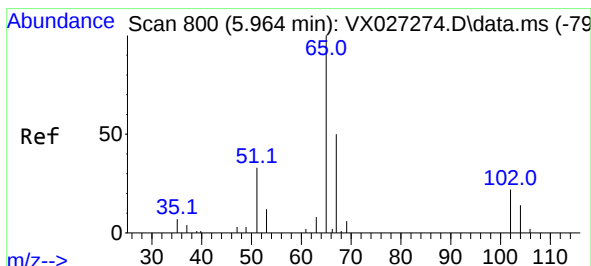
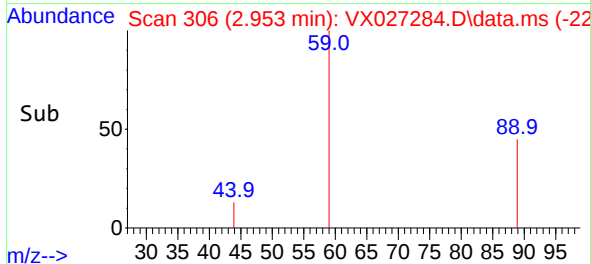
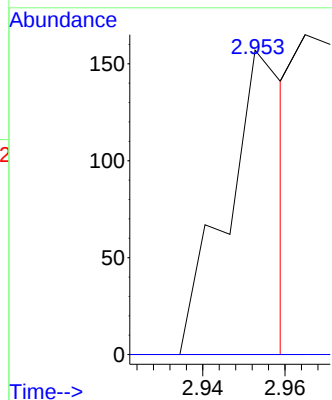
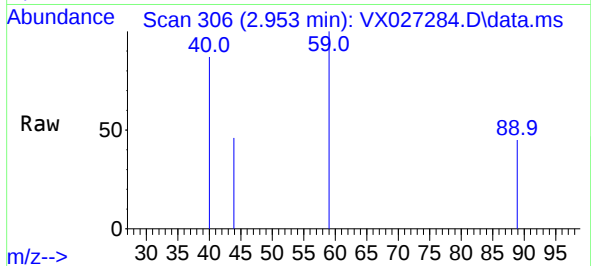




#23  
tert-Butyl Alcohol  
Concen: 0.983 ug/l  
RT: 2.953 min Scan# 30  
Delta R.T. -0.012 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

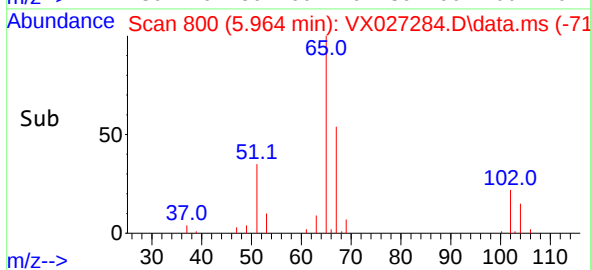
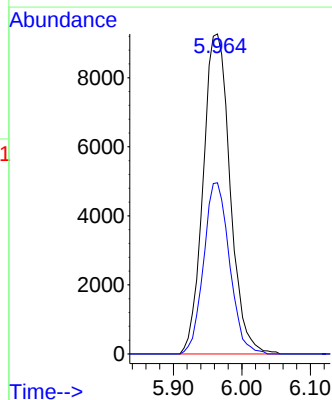
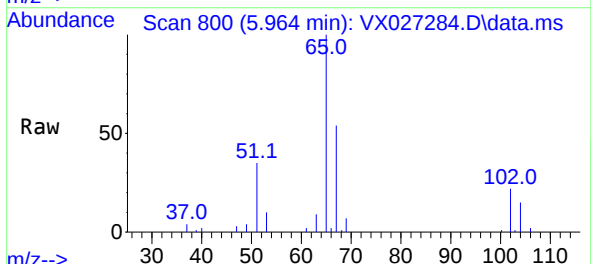
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220302

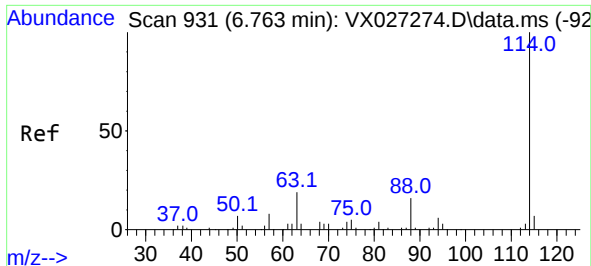
Tgt Ion: 59 Resp: 156  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#27  
1,2-Dichloroethane-d4  
Concen: 30.725 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

Tgt Ion: 65 Resp: 25359  
Ion Ratio Lower Upper  
65 100  
67 51.3 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX027284.D

Acq: 03 Mar 2022 21:23

Instrument :

MSVOA\_X

ClientSampleId :

TT-TB-20220302

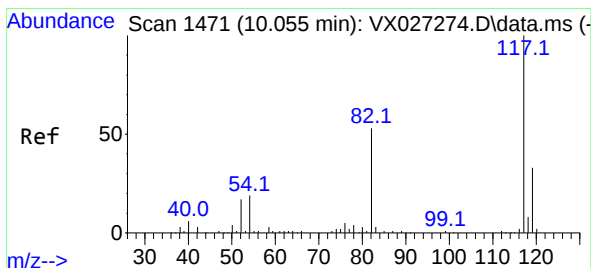
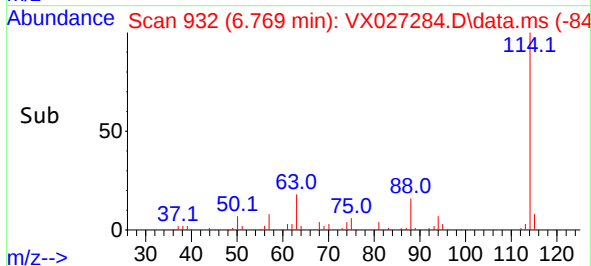
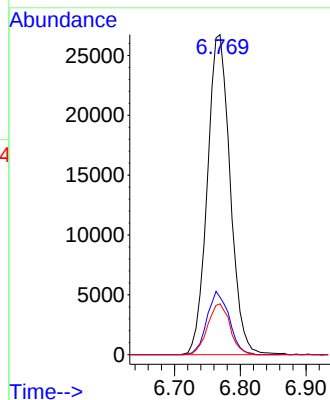
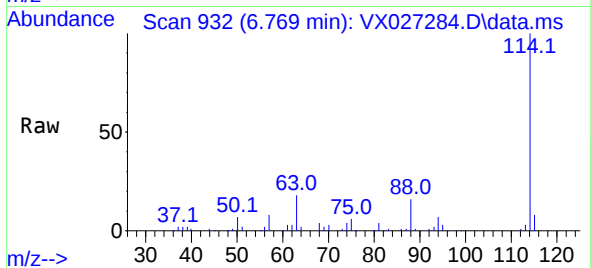
Tgt Ion:114 Resp: 64642

Ion Ratio Lower Upper

114 100

63 19.2 15.3 22.9

88 15.6 12.2 18.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX027284.D

Acq: 03 Mar 2022 21:23

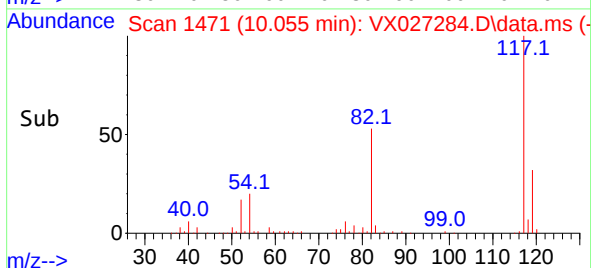
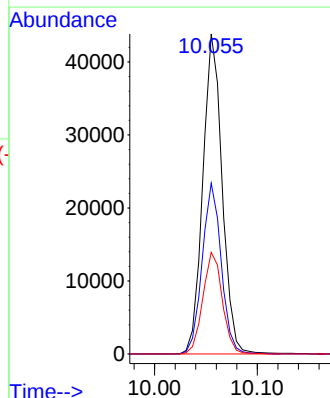
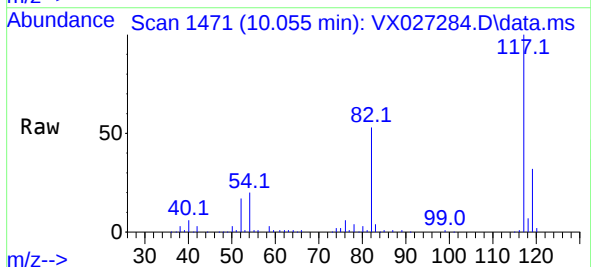
Tgt Ion:117 Resp: 57449

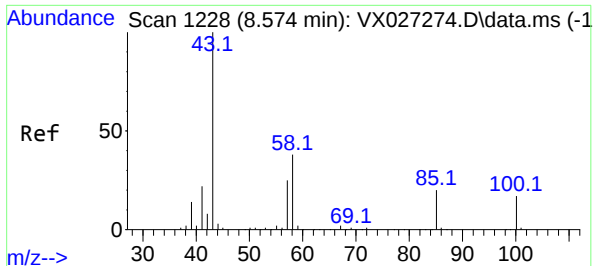
Ion Ratio Lower Upper

117 100

82 52.6 42.3 63.5

119 32.0 26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX027284.D

Acq: 03 Mar 2022 21:23

Instrument :

MSVOA\_X

ClientSampleId :

TT-TB-20220302

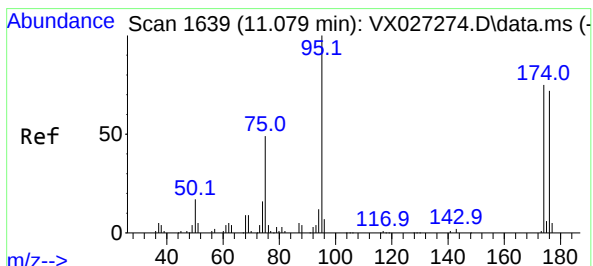
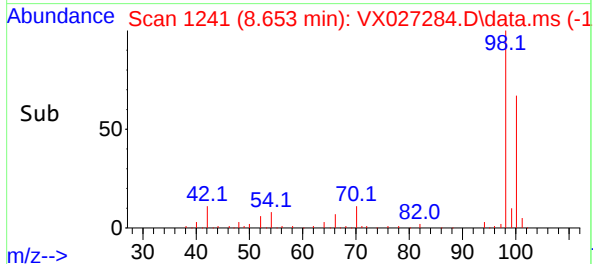
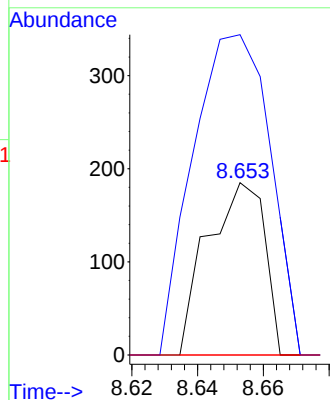
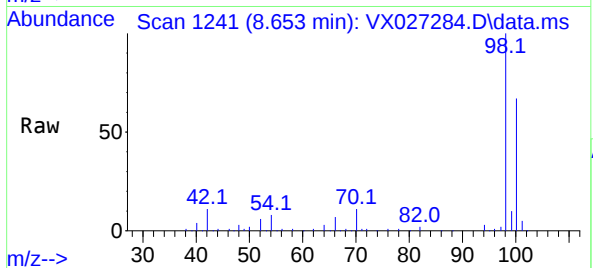
Tgt Ion: 43 Resp: 223

Ion Ratio Lower Upper

43 100

58 251.1 31.8 47.6#

85 0.0 15.8 23.6#



#60

4-Bromofluorobenzene

Concen: 27.574 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027284.D

Acq: 03 Mar 2022 21:23

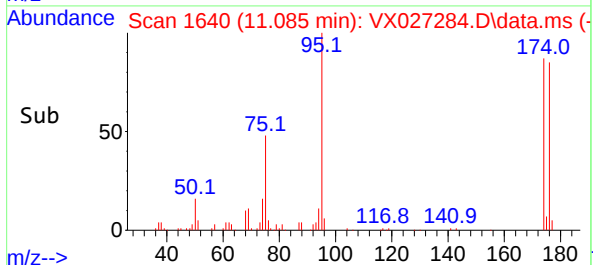
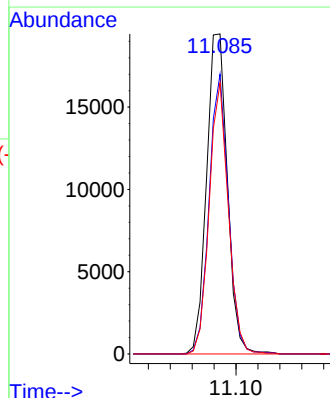
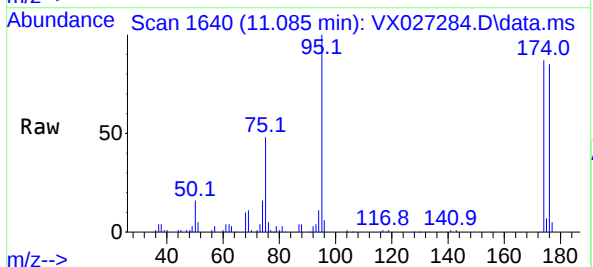
Tgt Ion: 95 Resp: 25663

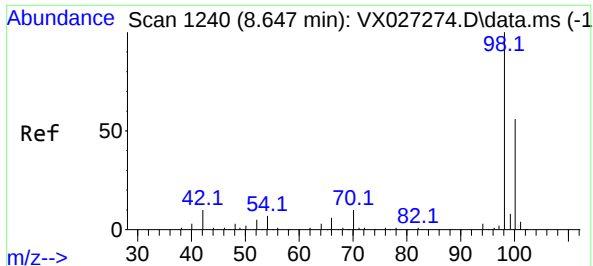
Ion Ratio Lower Upper

95 100

174 81.0 65.4 98.2

176 77.9 63.4 95.0

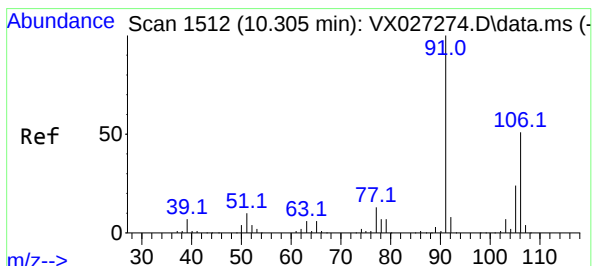
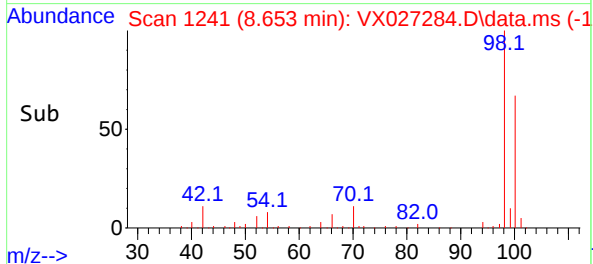
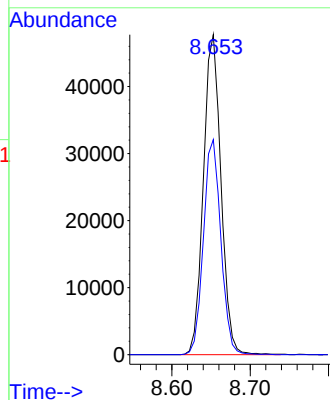
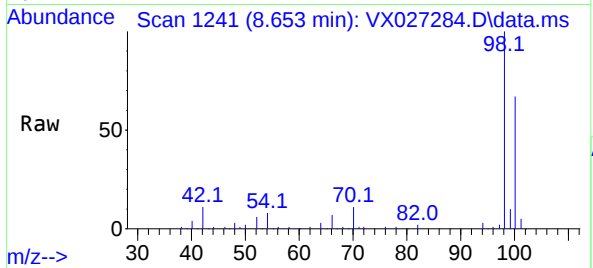




#63  
Toluene-d8  
Concen: 29.616 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

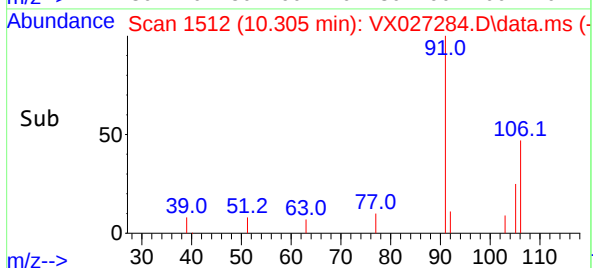
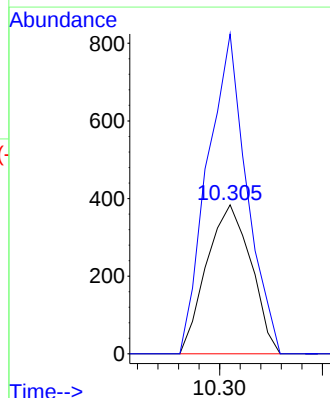
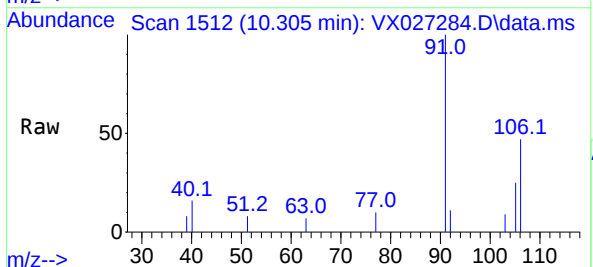
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220302

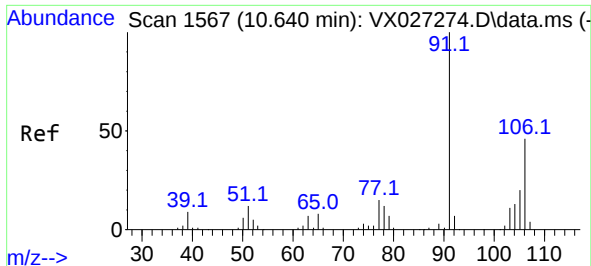
Tgt Ion: 98 Resp: 74379  
Ion Ratio Lower Upper  
98 100  
100 66.5 51.4 77.2



#67  
m/p-Xylenes  
Concen: 0.418 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

Tgt Ion: 106 Resp: 577  
Ion Ratio Lower Upper  
106 100  
91 190.1 159.5 239.3

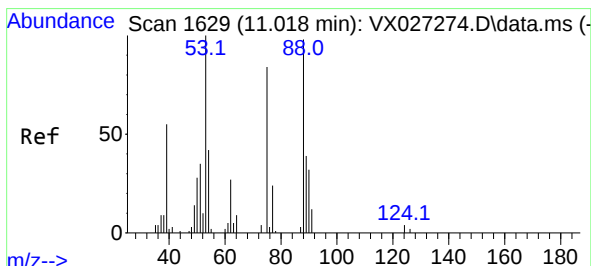
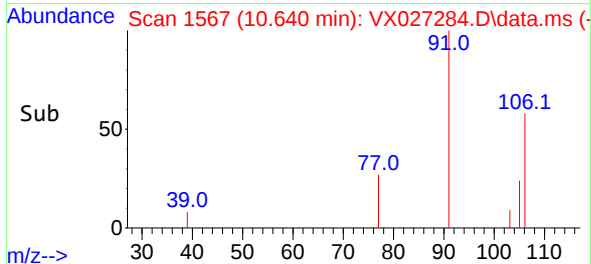
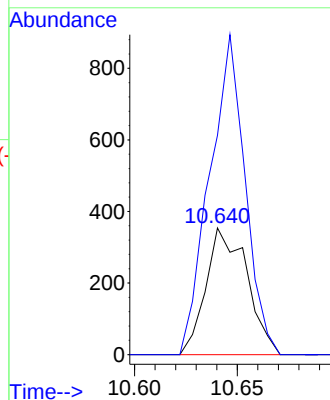
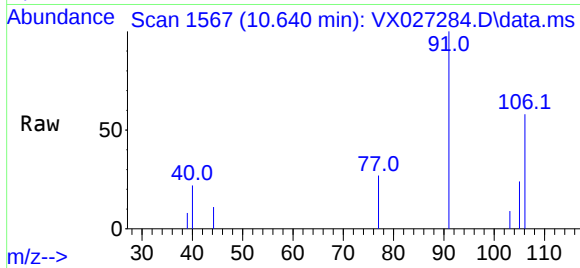




#68  
o-Xylene  
Concen: 0.364 ug/l  
RT: 10.640 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220302

Tgt Ion:106 Resp: 491  
Ion Ratio Lower Upper  
106 100  
91 218.9 105.4 316.2



#77  
t-1,4-Dichloro-2-butene  
Concen: 41.496 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.067 min  
Lab File: VX027284.D  
Acq: 03 Mar 2022 21:23

Tgt Ion: 75 Resp: 12394  
Ion Ratio Lower Upper  
75 100  
53 0.0 59.7 179.1#  
89 0.0 23.1 69.2#

