

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051822\  
 Data File : VD073106.D  
 Acq On : 18 May 2022 18:39  
 Operator : VA/SY  
 Sample : N2832-07  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB09

Quant Time: May 19 04:46:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 04:58:34 2022  
 Response via : Initial Calibration

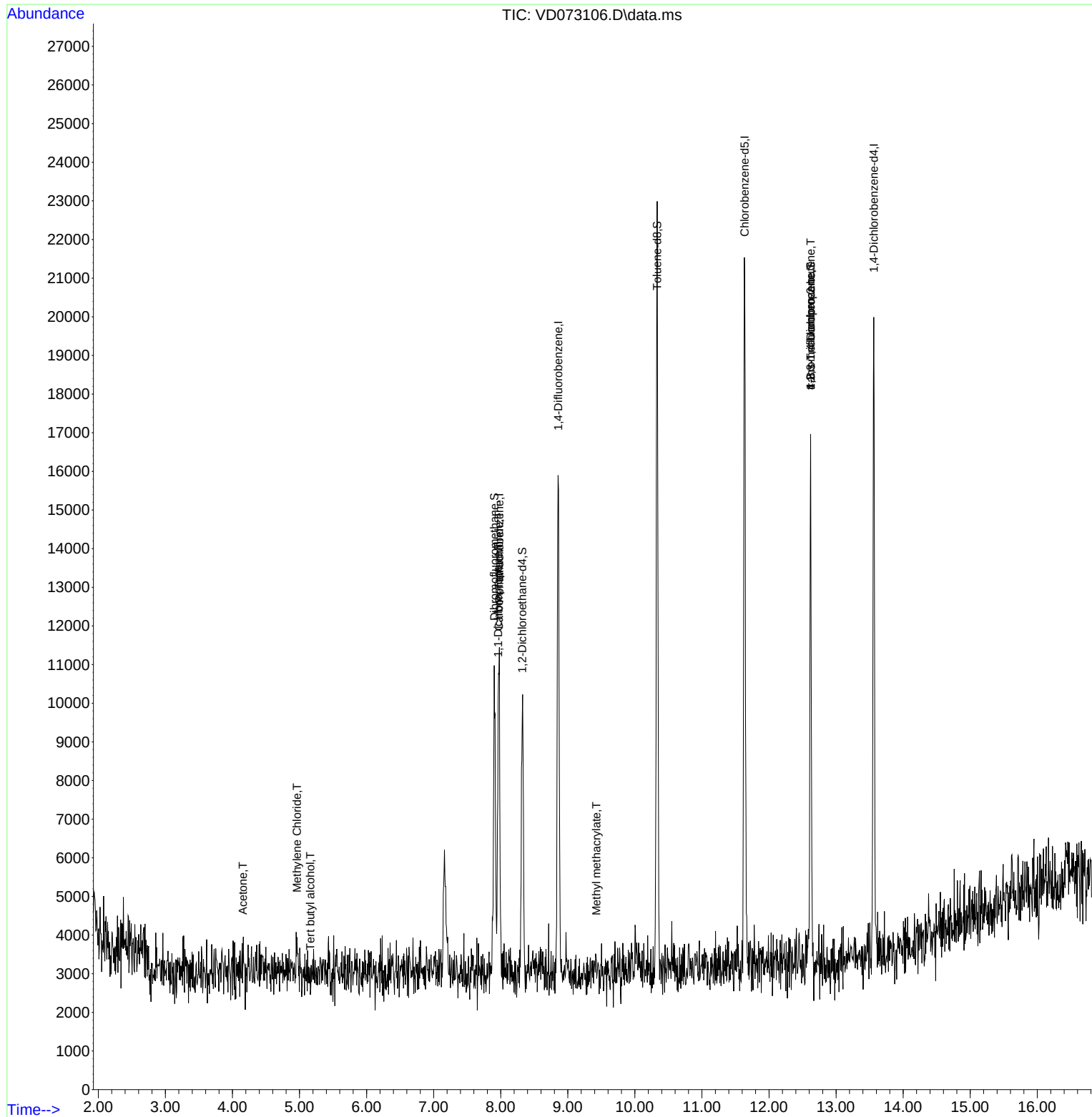
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.979     | 168   | 6973     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.856     | 114   | 11864    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638    | 117   | 11123    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561    | 152   | 4853     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.320     | 65    | 5743     | 65.858   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 131.720% |          |
| 35) Dibromofluoromethane      | 7.903     | 113   | 5061     | 60.757   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 121.520% |          |
| 50) Toluene-d8                | 10.332    | 98    | 12257    | 40.560   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 81.120%  |          |
| 62) 4-Bromofluorobenzene      | 12.620    | 95    | 4249     | 38.821   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 77.640%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 5.162     | 59    | 55       | 4.078    | ug/l #     | 74       |
| 16) Acetone                   | 4.156     | 43    | 480      | 30.417   | ug/l #     | 47       |
| 20) Methylene Chloride        | 4.962     | 84    | 652      | 5.693    | ug/l #     | 45       |
| 36) 1,1-Dichloropropene       | 7.961     | 75    | 578      | 4.259    | ug/l #     | 43       |
| 38) Carbon Tetrachloride      | 7.973     | 117   | 612      | 4.407    | ug/l #     | 13       |
| 48) Methyl methacrylate       | 9.426     | 41    | 64       | 1.217    | ug/l #     | 19       |
| 76) 1,2,3-Trichloropropane    | 12.620    | 75    | 2358     | 42.982   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620    | 75    | 2358     | 103.061  | ug/l #     | 7        |
| -----                         |           |       |          |          |            |          |

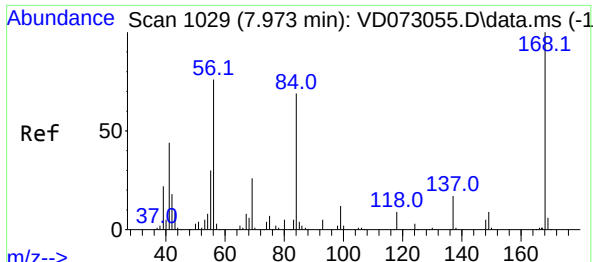
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 04:58:34 2022  
Response via : Initial Calibration

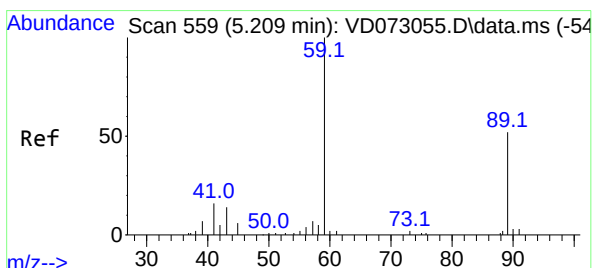
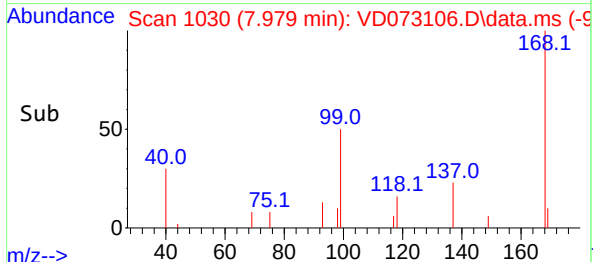
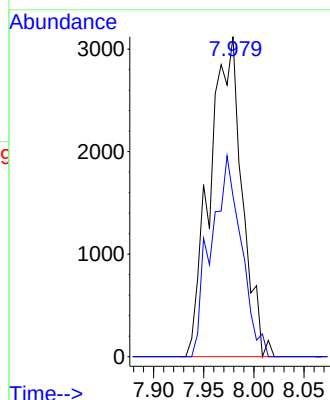
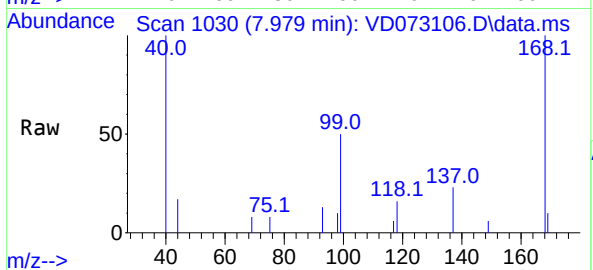




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

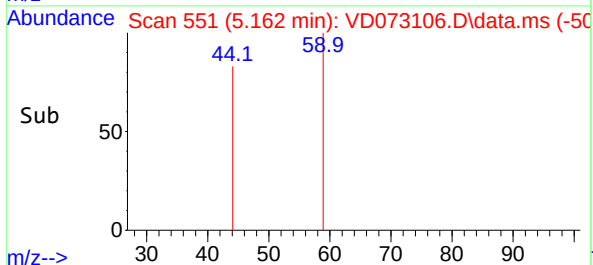
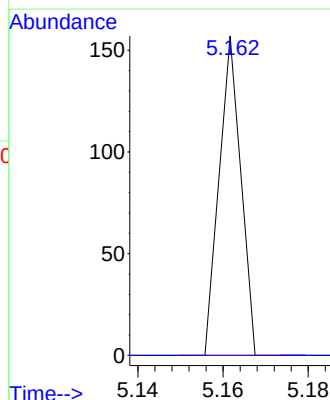
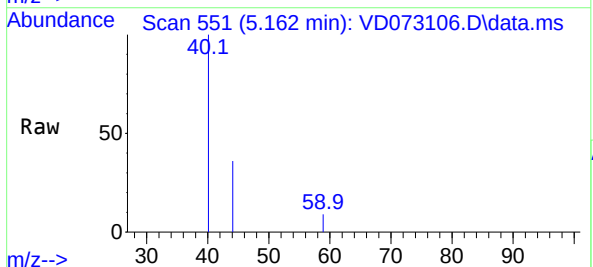
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

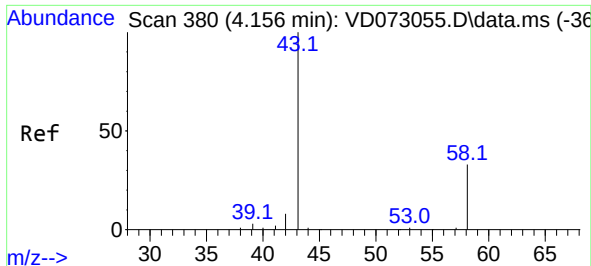
Tgt Ion:168 Resp: 6973  
Ion Ratio Lower Upper  
168 100  
99 50.2 49.8 74.6



#11  
Tert butyl alcohol  
Concen: 4.078 ug/l  
RT: 5.162 min Scan# 551  
Delta R.T. -0.047 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

Tgt Ion: 59 Resp: 55  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#

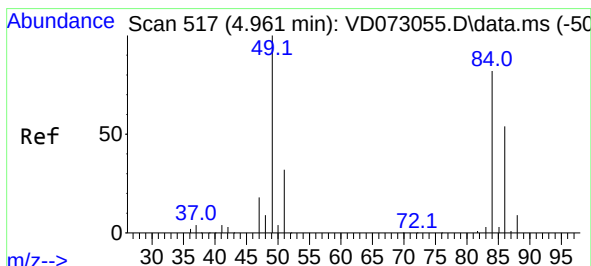
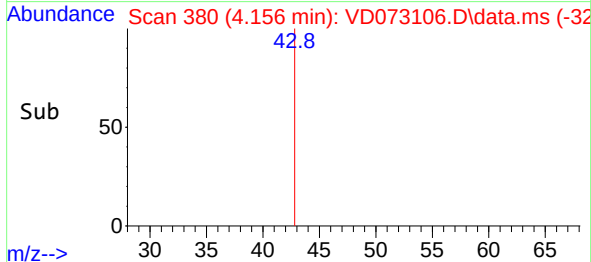
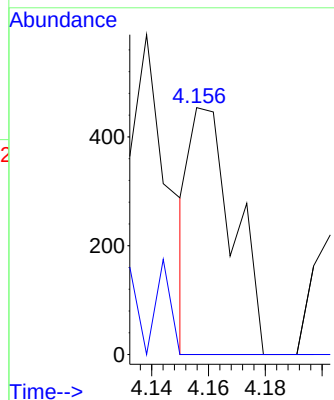
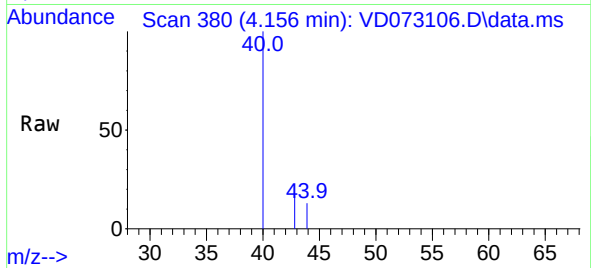




#16  
Acetone  
Concen: 30.417 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

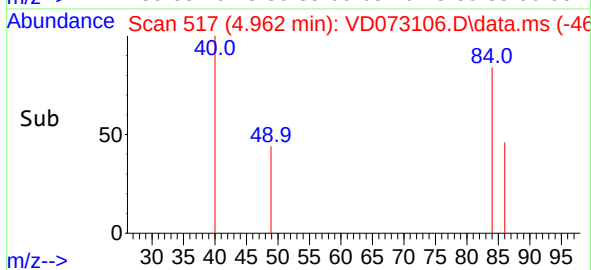
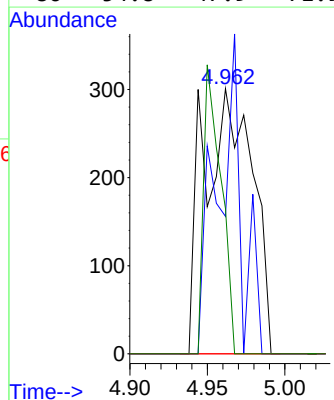
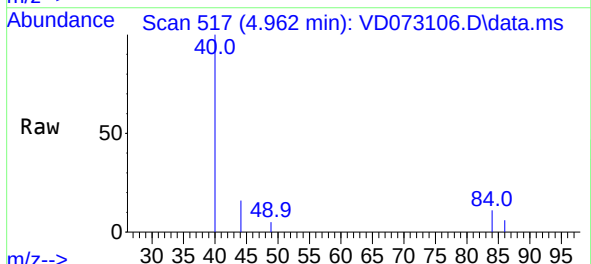
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

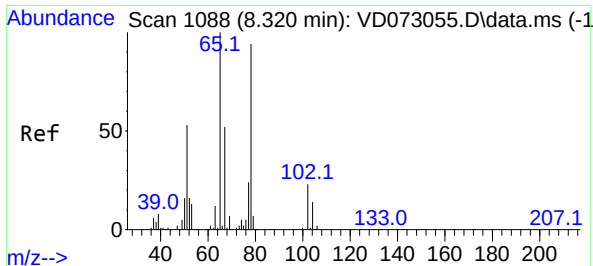
Tgt Ion: 43 Resp: 480  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.1 33.1#



#20  
Methylene Chloride  
Concen: 5.693 ug/l  
RT: 4.962 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

Tgt Ion: 84 Resp: 652  
Ion Ratio Lower Upper  
84 100  
49 51.8 112.8 169.2#  
51 0.0 32.6 48.8#  
86 54.8 47.9 71.9





#33

1,2-Dichloroethane-d4

Concen: 65.858 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD073106.D

Acq: 18 May 2022 18:39

Instrument :

MSVOA\_D

ClientSampleId :

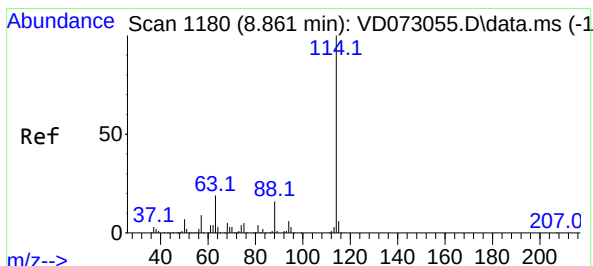
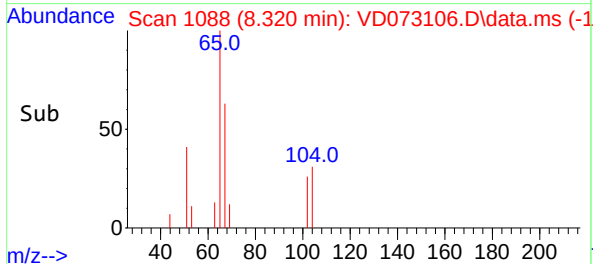
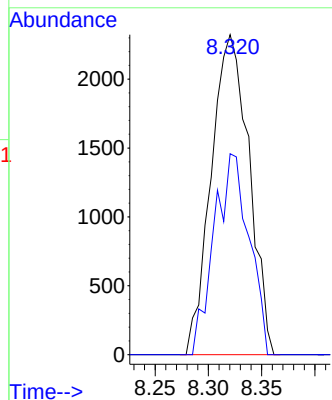
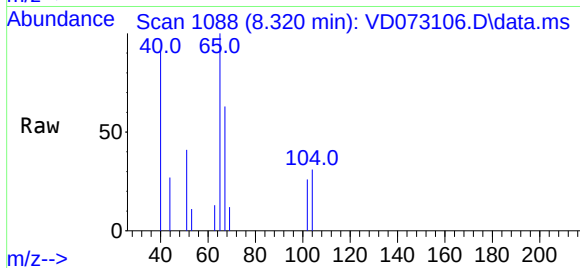
SB09

Tgt Ion: 65 Resp: 5743

Ion Ratio Lower Upper

65 100

67 57.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073106.D

Acq: 18 May 2022 18:39

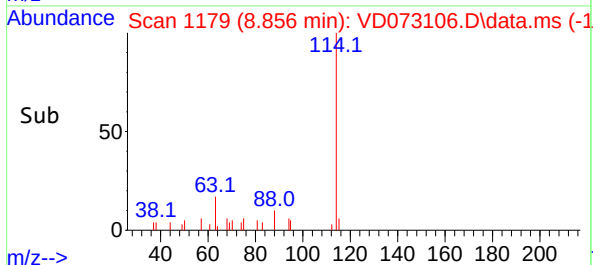
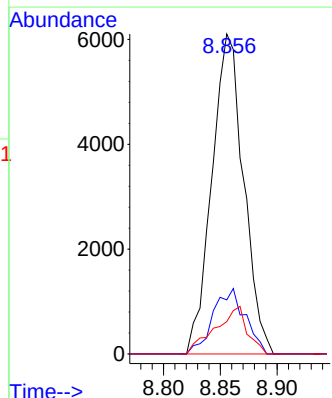
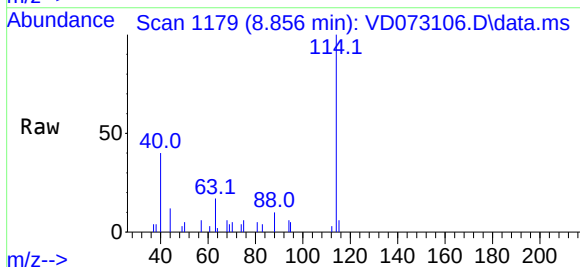
Tgt Ion: 114 Resp: 11864

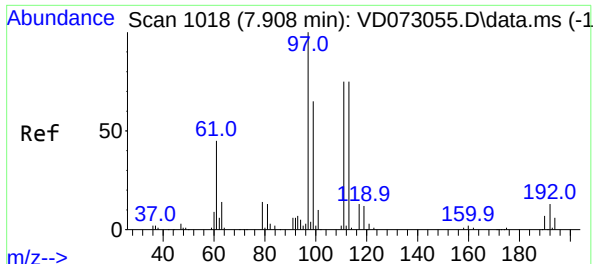
Ion Ratio Lower Upper

114 100

63 16.9 0.0 46.6

88 10.1 0.0 33.2

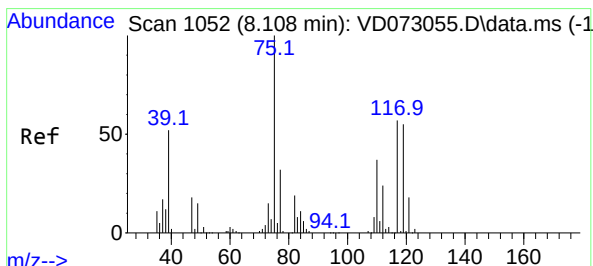
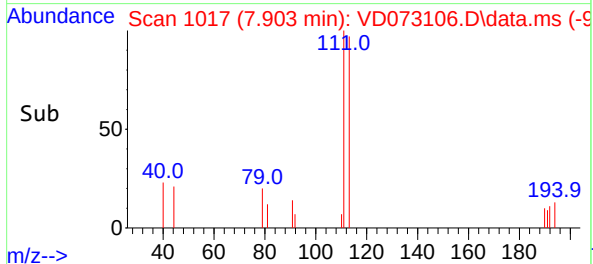
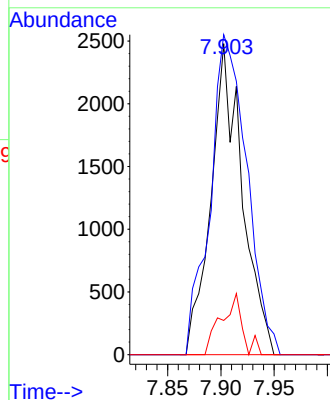
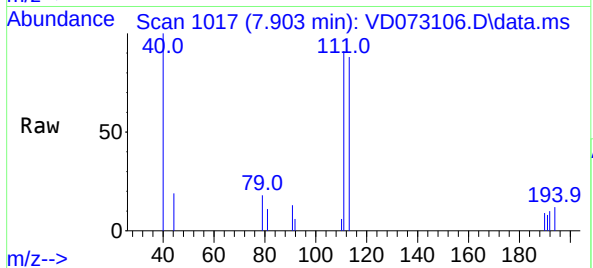




#35  
Dibromofluoromethane  
Concen: 60.757 ug/l  
RT: 7.903 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

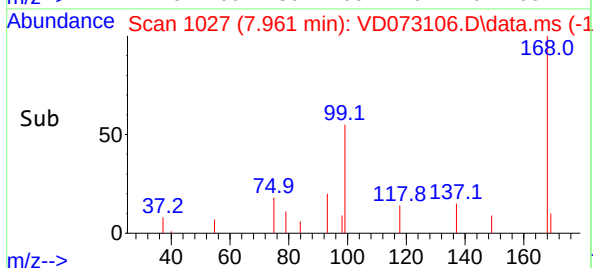
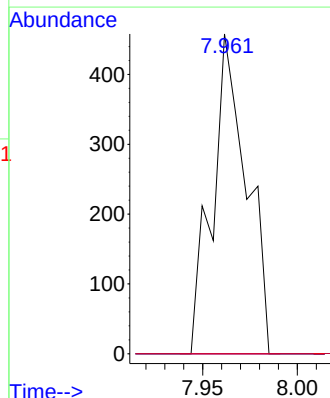
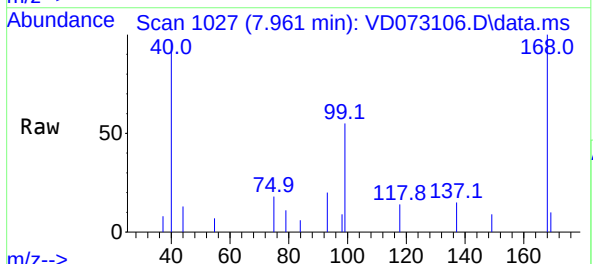
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

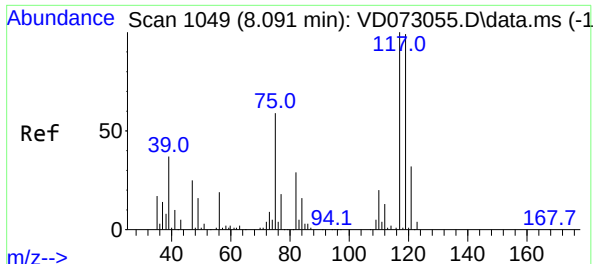
Tgt Ion:113 Resp: 5061  
Ion Ratio Lower Upper  
113 100  
111 120.6 83.8 125.6  
192 13.4 14.6 21.8#



#36  
1,1-Dichloropropene  
Concen: 4.259 ug/l  
RT: 7.961 min Scan# 1027  
Delta R.T. -0.147 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

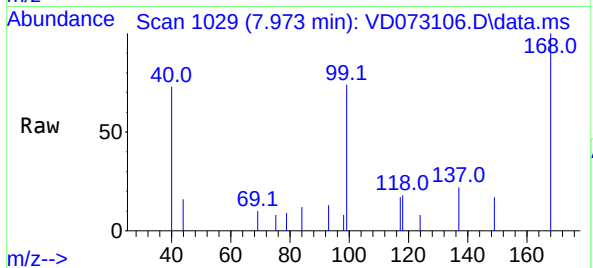
Tgt Ion: 75 Resp: 578  
Ion Ratio Lower Upper  
75 100  
110 0.0 16.4 49.1#  
77 0.0 24.2 36.2#



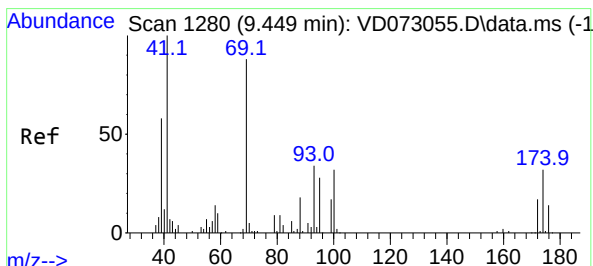
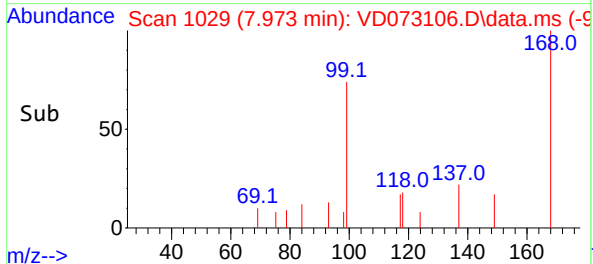
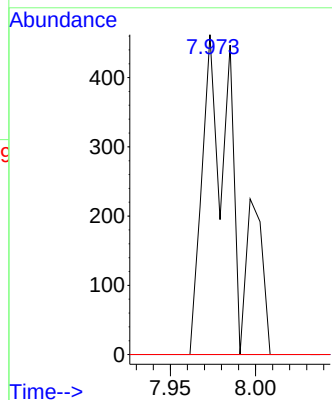


#38  
Carbon Tetrachloride  
Concen: 4.407 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.117 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

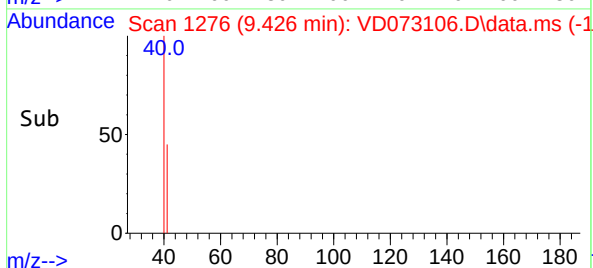
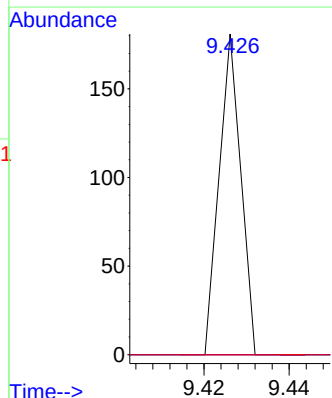
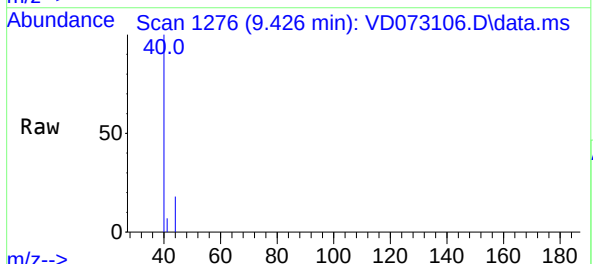


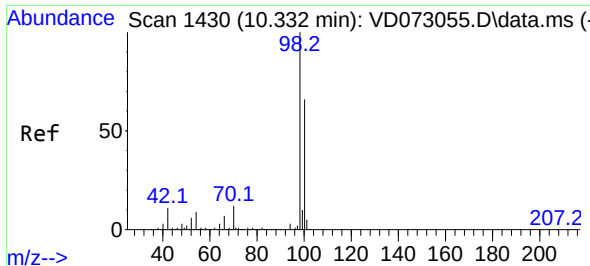
Tgt Ion:117 Resp: 612  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
121 0.0 24.5 36.7#



#48  
Methyl methacrylate  
Concen: 1.217 ug/l  
RT: 9.426 min Scan# 1276  
Delta R.T. -0.023 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

Tgt Ion: 41 Resp: 64  
Ion Ratio Lower Upper  
41 100  
69 0.0 56.7 85.1#  
39 0.0 42.7 64.1#

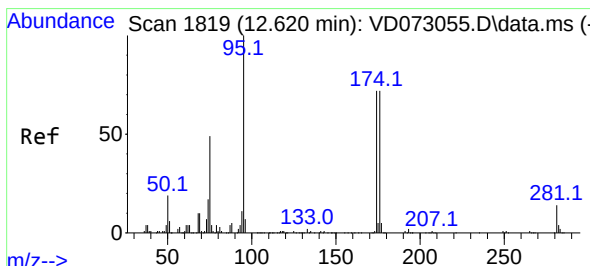
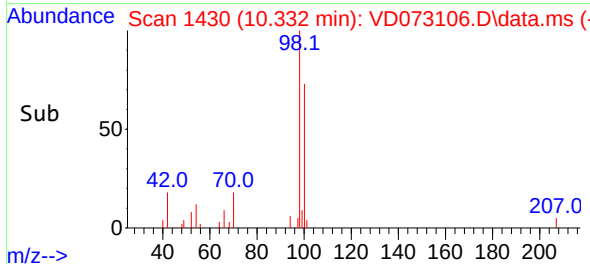
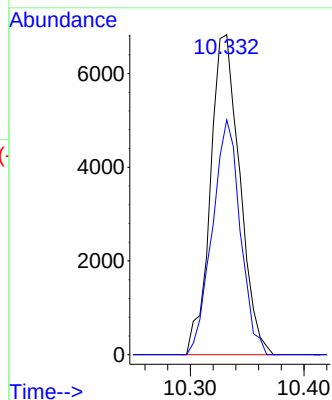
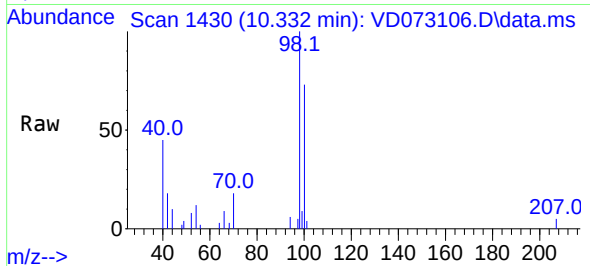




#50  
Toluene-d8  
Concen: 40.560 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

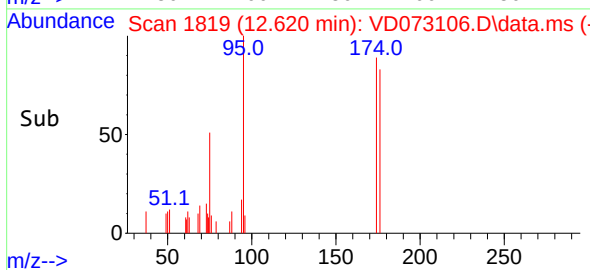
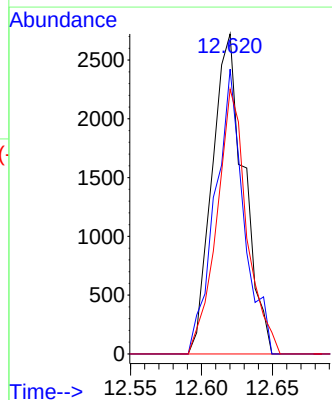
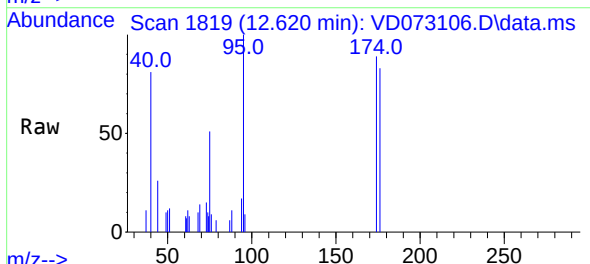
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

Tgt Ion: 98 Resp: 12257  
Ion Ratio Lower Upper  
98 100  
100 70.0 52.4 78.6

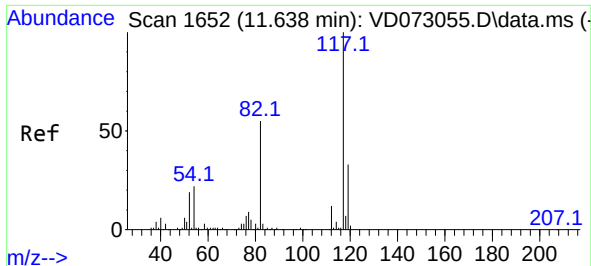


#62  
4-Bromofluorobenzene  
Concen: 38.821 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

Tgt Ion: 95 Resp: 4249  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 152.8  
176 78.0 0.0 145.4



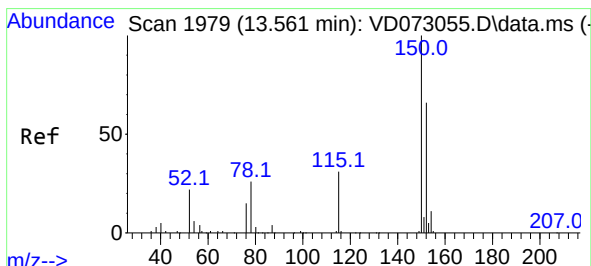
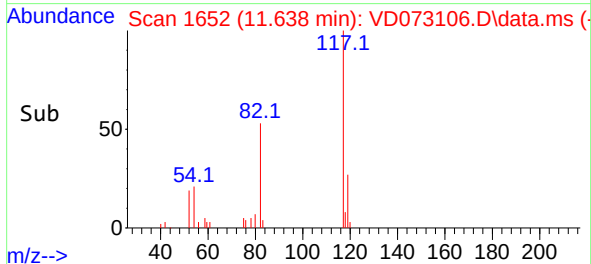
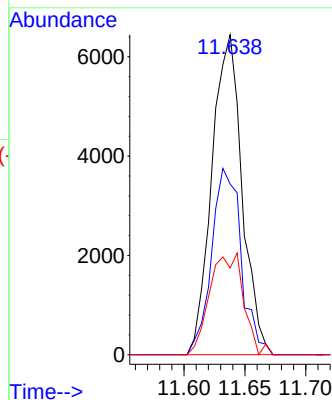
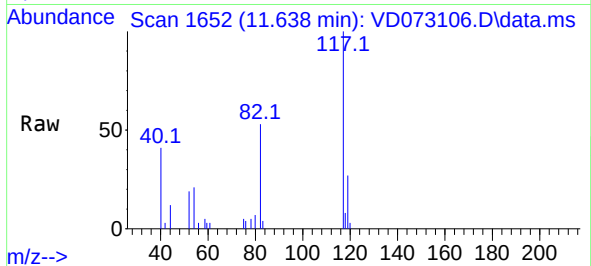




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

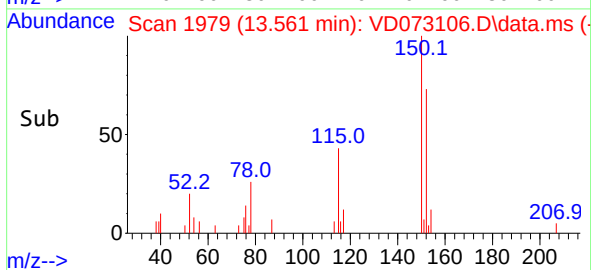
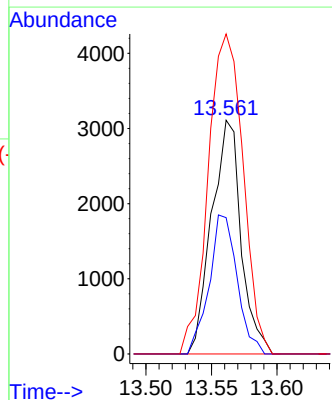
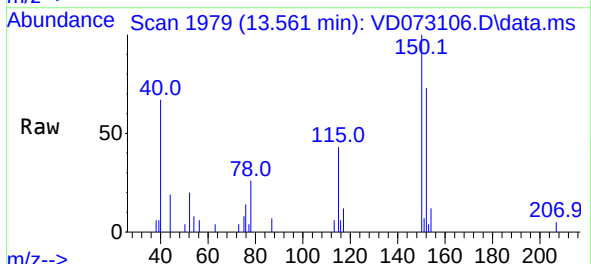
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

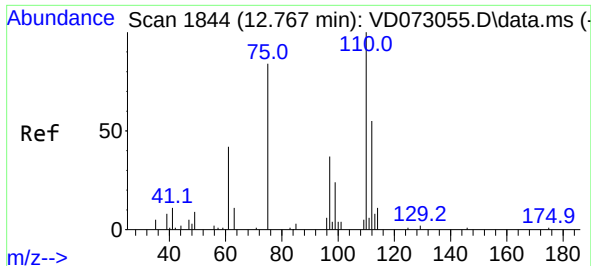
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 11123 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.3  | 45.3  | 67.9  |
| 119      | 27.1  | 26.6  | 40.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 4853  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 56.6  | 31.3  | 93.8  |
| 150      | 161.9 | 0.0   | 348.6 |

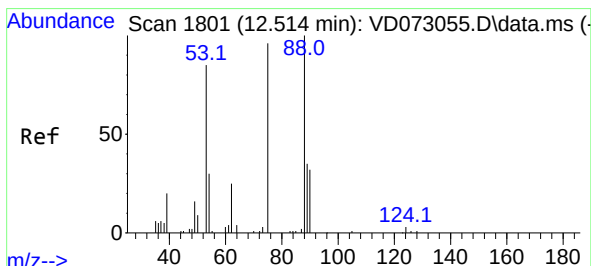
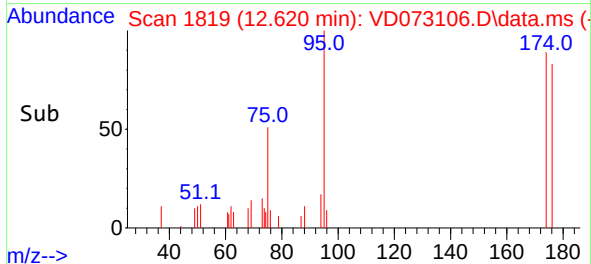
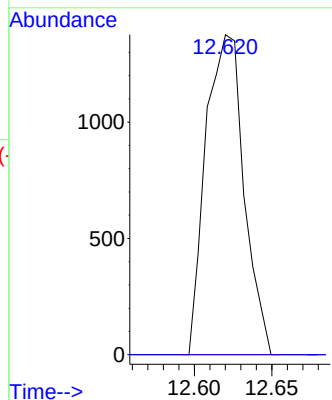
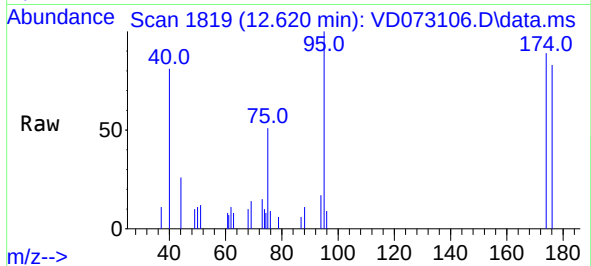




#76  
1,2,3-Trichloropropane  
Concen: 42.982 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

Tgt Ion: 75 Resp: 2358  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 103.061 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073106.D  
Acq: 18 May 2022 18:39

Tgt Ion: 75 Resp: 2358  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.0 33.9 50.9#

