

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072723\  
 Data File : VD076839.D  
 Acq On : 27 Jul 2023 17:37  
 Operator : KP/SY  
 Sample : 03791-01  
 Misc : 5.05G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jul 28 02:59:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 17 08:07:52 2023  
 Response via : Initial Calibration

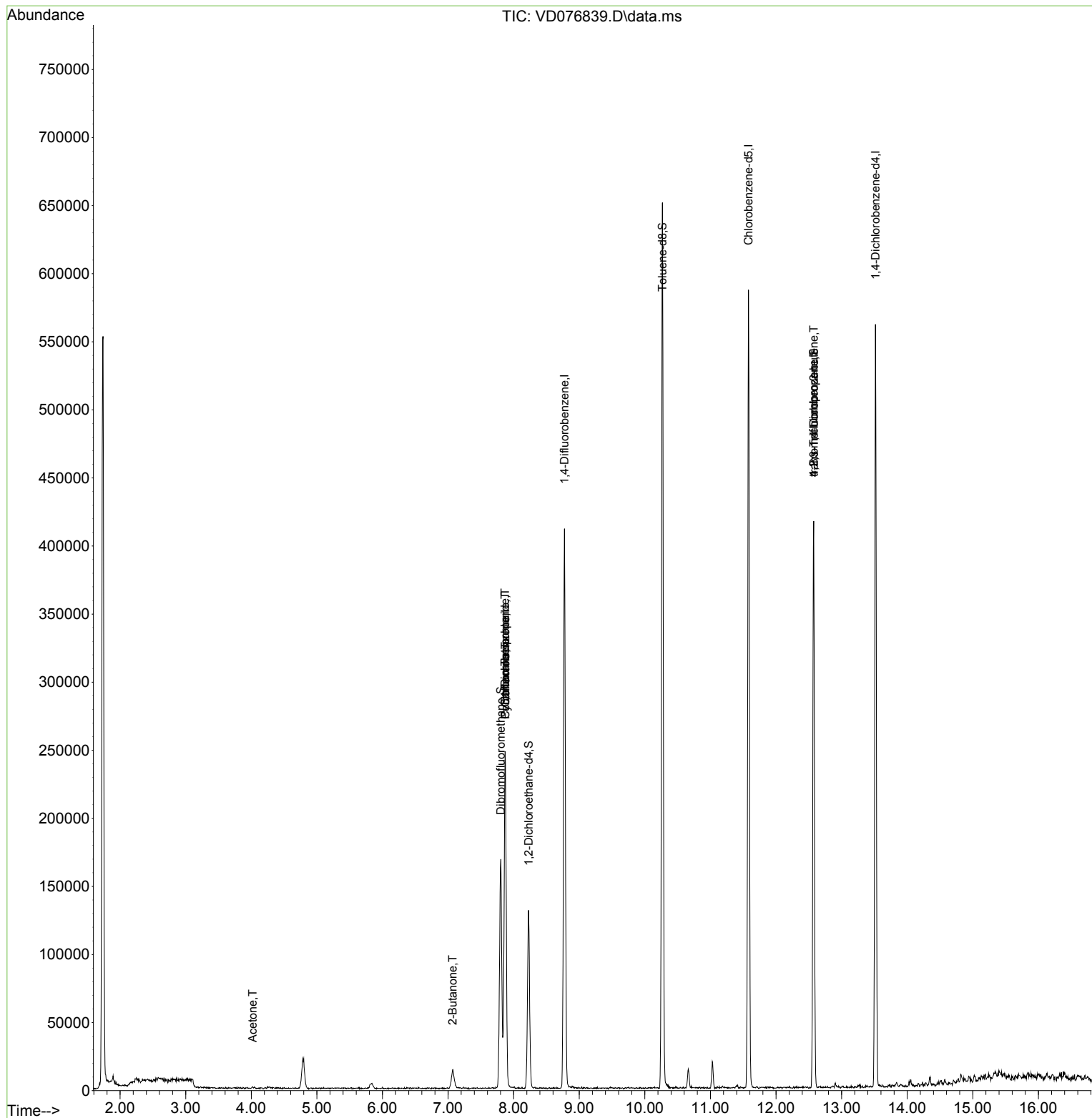
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 189279   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 372265   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 344590   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 147914   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 99942    | 53.012    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 106.020% |          |
| 35) Dibromofluoromethane      | 7.804  | 113   | 120807   | 51.641    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 103.280% |          |
| 50) Toluene-d8                | 10.269 | 98    | 462883   | 55.311    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 110.620% |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 129909   | 47.985    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 95.980%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 16) Acetone                   | 4.022  | 43    | 734      | 1.630     | ug/l       | # 32     |
| 20) Methylene Chloride        | 4.799  | 84    | 17763    | Below Cal | #          | 92       |
| 25) 2-Butanone                | 7.069  | 43    | 630      | 1.045     | ug/l       | # 37     |
| 31) Cyclohexane               | 7.875  | 56    | 4317     | 1.556     | ug/l       | # 29     |
| 36) 1,1-Dichloropropene       | 7.869  | 75    | 15633    | 5.114     | ug/l       | # 49     |
| 38) Carbon Tetrachloride      | 7.869  | 117   | 19733    | 6.742     | ug/l       | # 14     |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 67546    | 48.019    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 67546    | 102.197   | ug/l       | # 17     |
| -----                         |        |       |          |           |            |          |

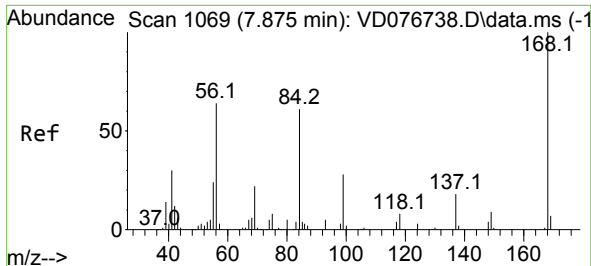
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 03791-01  
Misc : 5.05G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

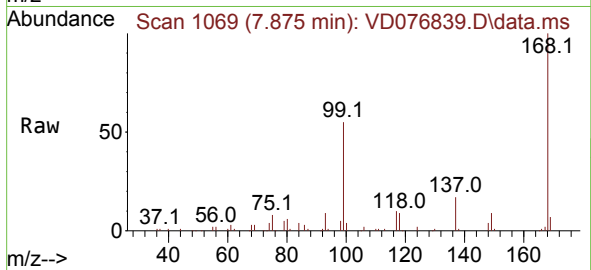
Quant Time: Jul 28 02:59:49 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 17 08:07:52 2023  
Response via : Initial Calibration



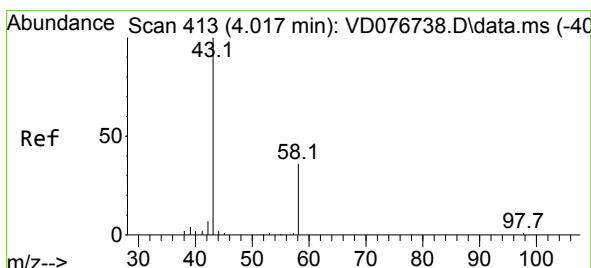
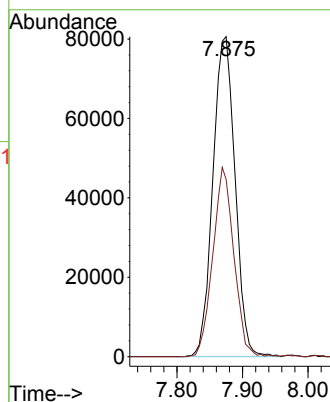
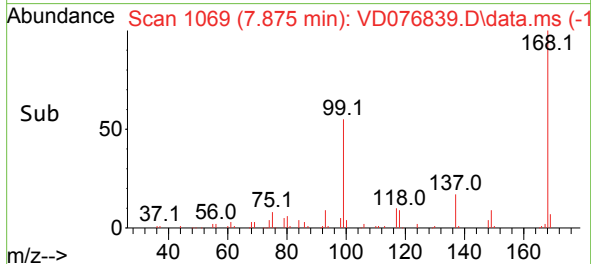


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Instrument :  
MSVOA\_D  
ClientSampleId :

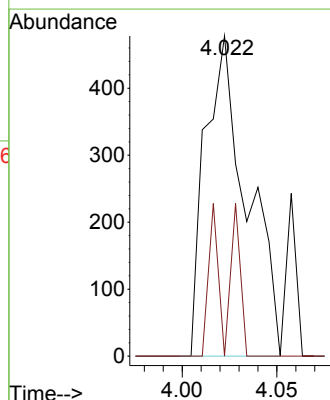
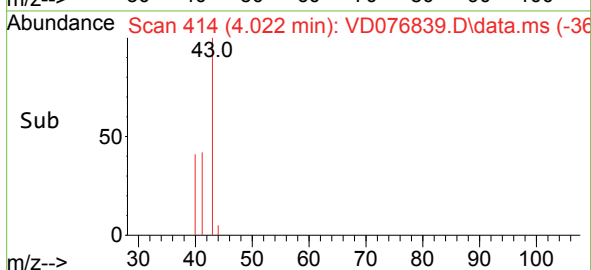
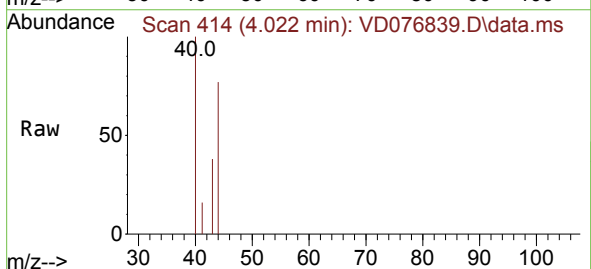


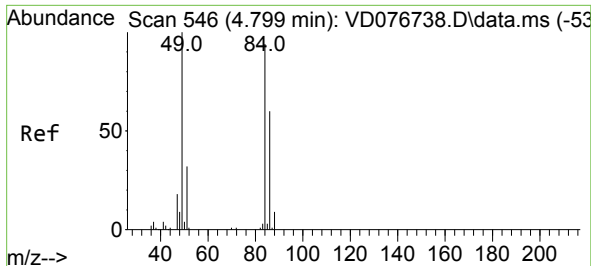
Tgt Ion:168 Resp: 189279  
Ion Ratio Lower Upper  
168 100  
99 55.4 36.7 55.1#



#16  
Acetone  
Concen: 1.630 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.005 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

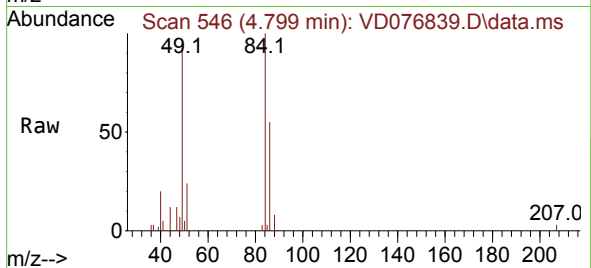
Tgt Ion: 43 Resp: 734  
Ion Ratio Lower Upper  
43 100  
58 0.0 34.7 52.1#



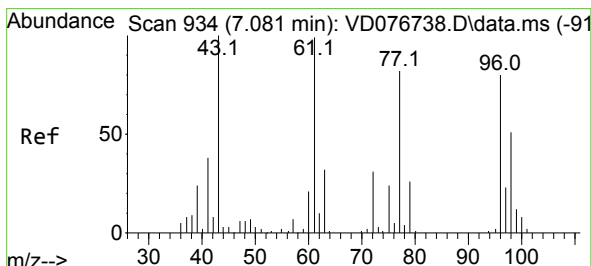
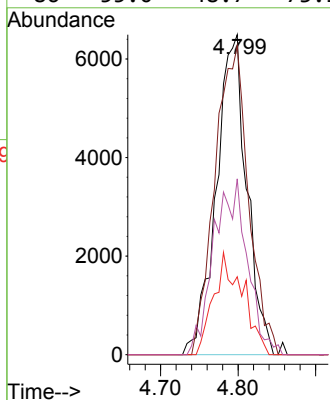
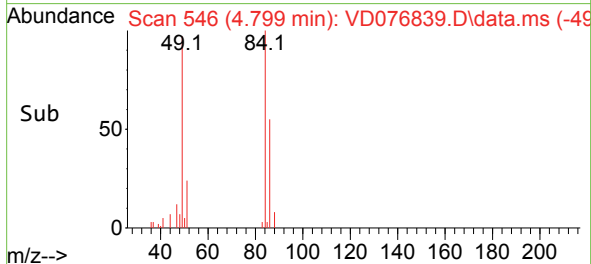


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Instrument :  
MSVOA\_D  
ClientSampleId :

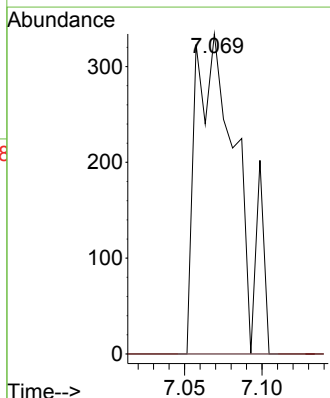
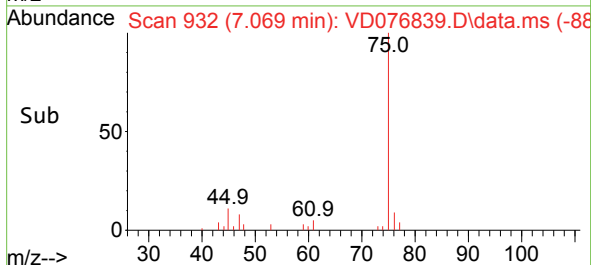
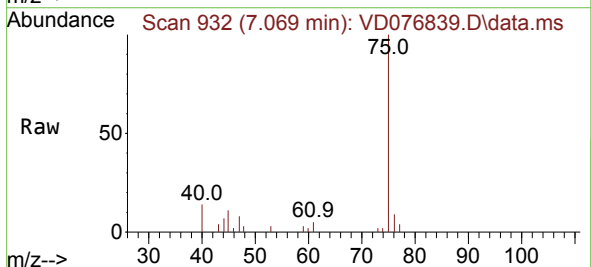


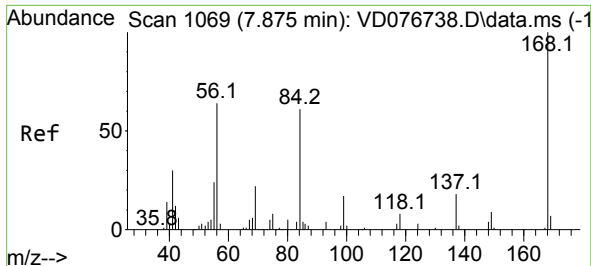
Tgt Ion: 84 Resp: 17763  
Ion Ratio Lower Upper  
84 100  
49 96.6 71.4 107.2  
51 24.3 24.5 36.7#  
86 55.0 48.7 73.1



#25  
2-Butanone  
Concen: 1.045 ug/l  
RT: 7.069 min Scan# 932  
Delta R.T. -0.012 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

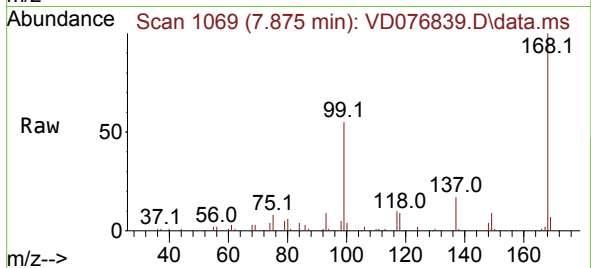
Tgt Ion: 43 Resp: 630  
Ion Ratio Lower Upper  
43 100  
72 0.0 30.7 46.1#



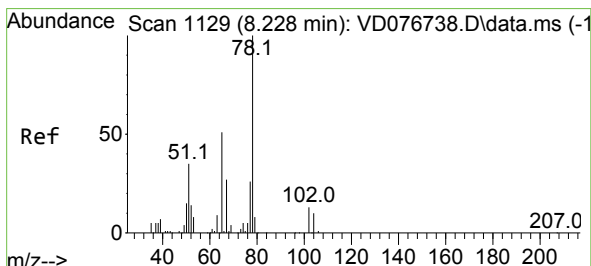
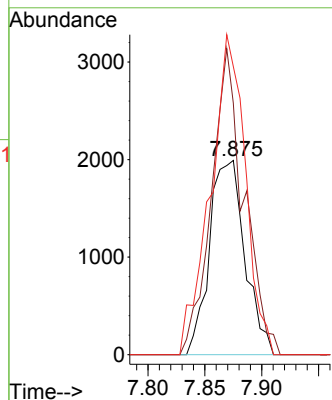
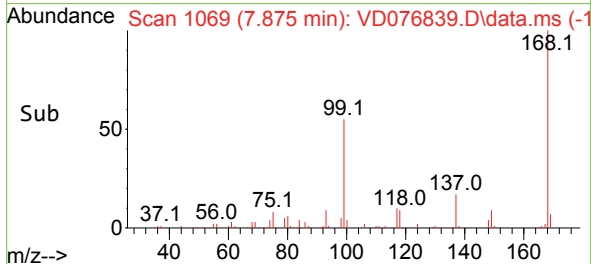


#31  
Cyclohexane  
Concen: 1.556 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Instrument :  
MSVOA\_D  
ClientSampleId :

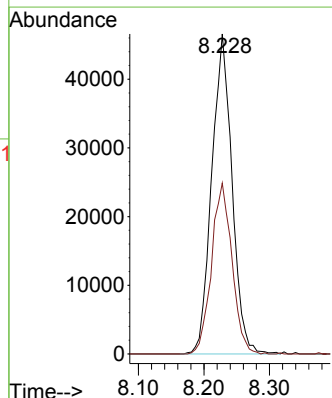
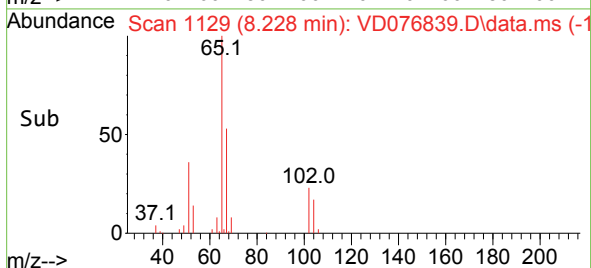
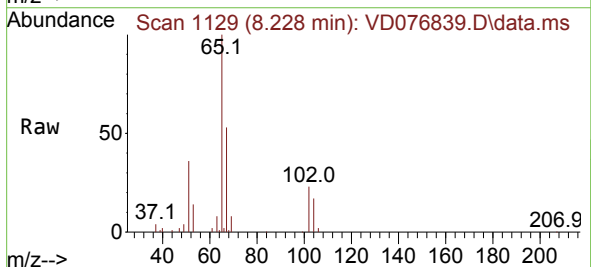


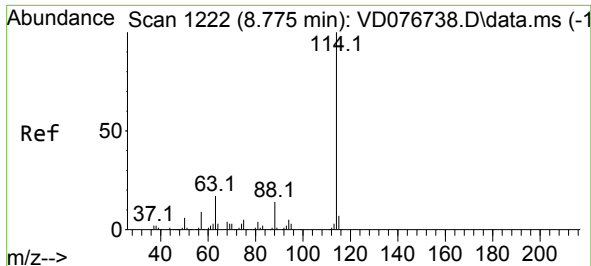
Tgt Ion: 56 Resp: 4317  
Ion Ratio Lower Upper  
56 100  
69 129.5 28.6 43.0#  
84 148.4 84.8 127.2#



#33  
1,2-Dichloroethane-d4  
Concen: 53.012 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Tgt Ion: 65 Resp: 99942  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 115.0

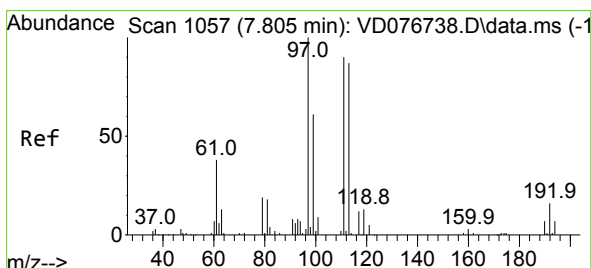
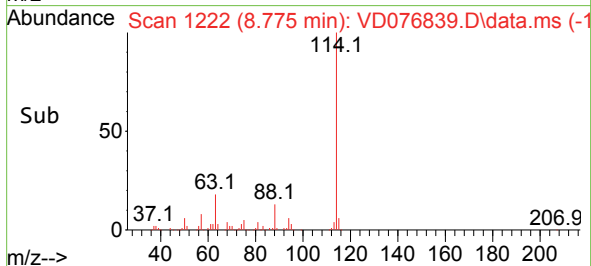
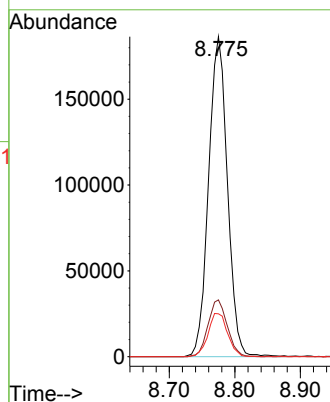
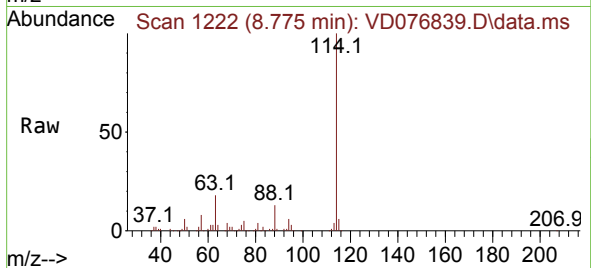




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

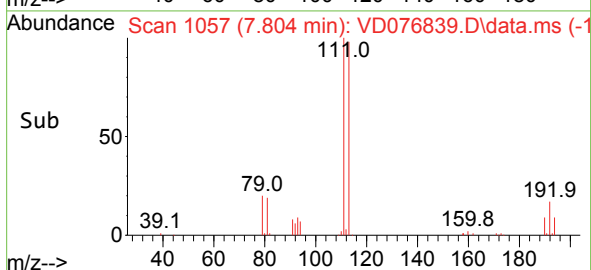
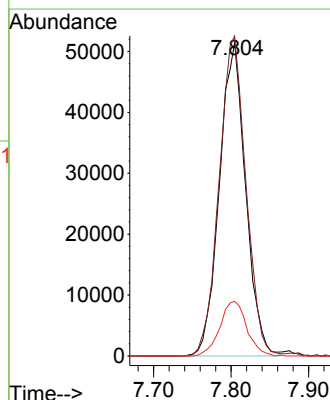
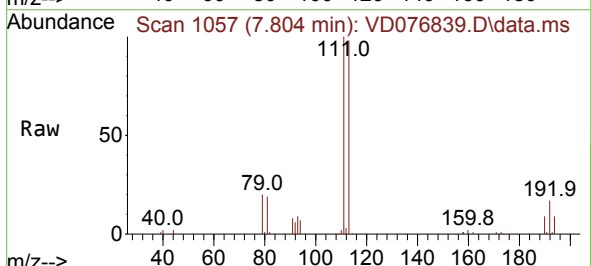
Instrument :  
MSVOA\_D  
ClientSampleId :

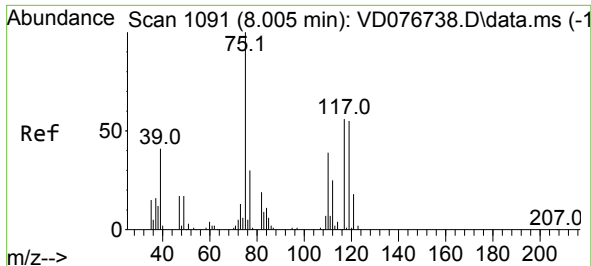
Tgt Ion:114 Resp: 372265  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 33.4  
88 13.4 0.0 26.2



#35  
Dibromofluoromethane  
Concen: 51.641 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. -0.001 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

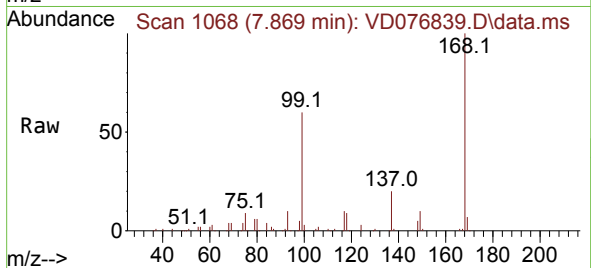
Tgt Ion:113 Resp: 120807  
Ion Ratio Lower Upper  
113 100  
111 104.5 84.7 127.1  
192 18.0 16.8 25.2



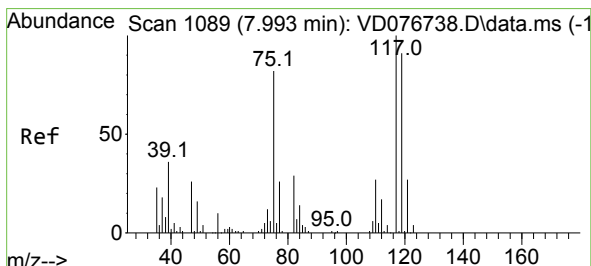
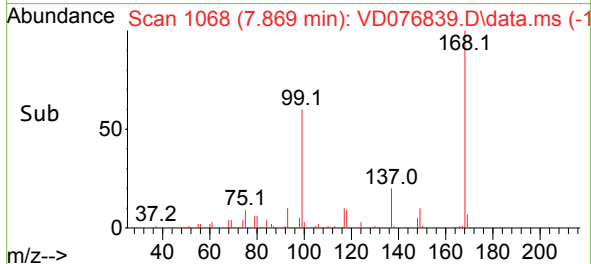
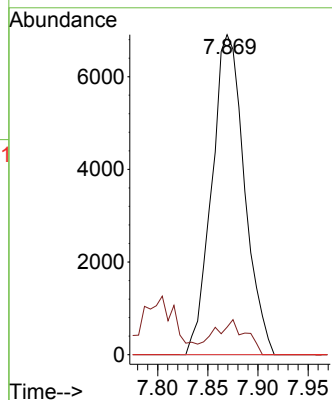


#36  
1,1-Dichloropropene  
Concen: 5.114 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.136 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Instrument :  
MSVOA\_D  
ClientSampleId :

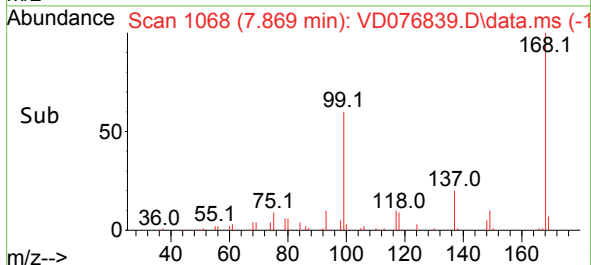
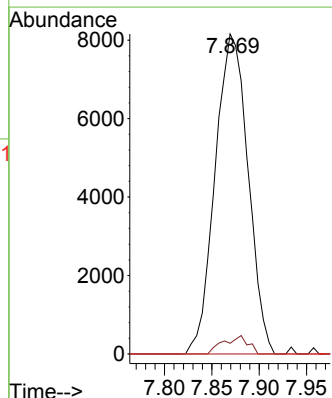
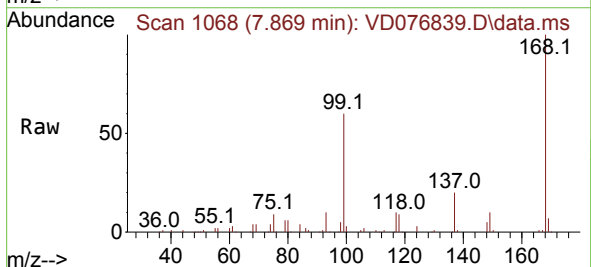


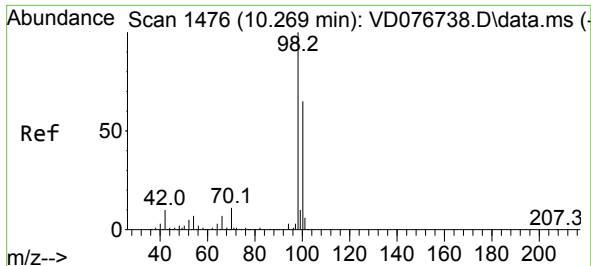
Tgt Ion: 75 Resp: 15633  
Ion Ratio Lower Upper  
75 100  
110 10.5 19.9 59.6#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.742 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.124 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Tgt Ion: 117 Resp: 19733  
Ion Ratio Lower Upper  
117 100  
119 3.4 78.0 117.0#  
121 0.0 24.2 36.2#

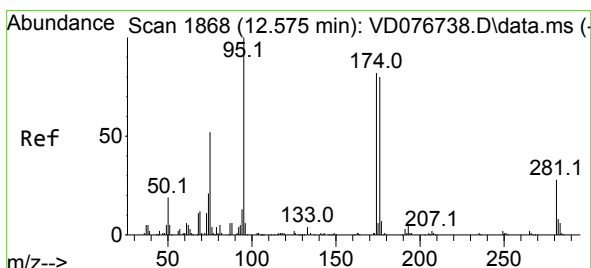
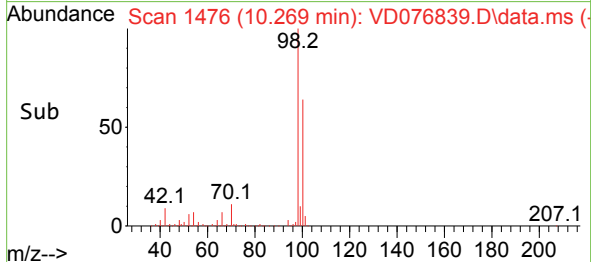
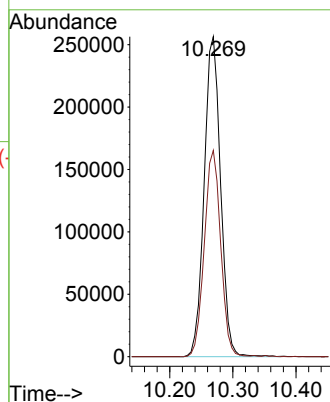
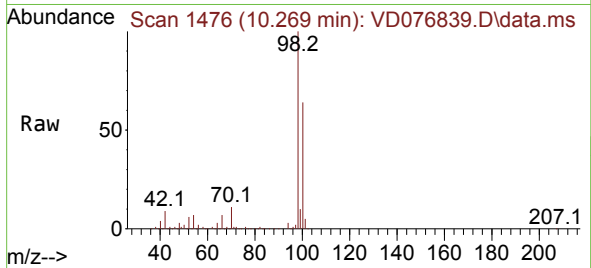




#50  
Toluene-d8  
Concen: 55.311 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

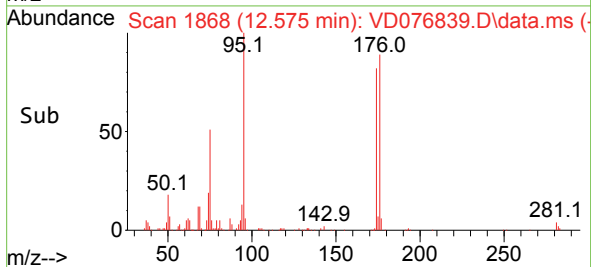
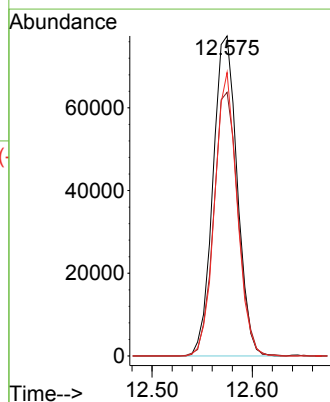
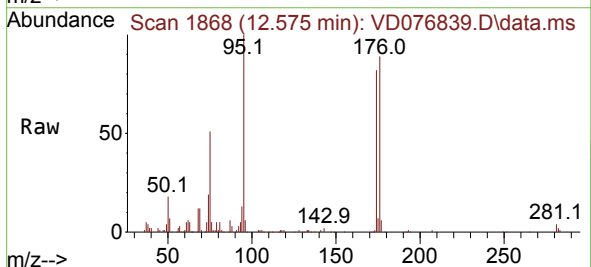
Instrument :  
MSVOA\_D  
ClientSampleId :

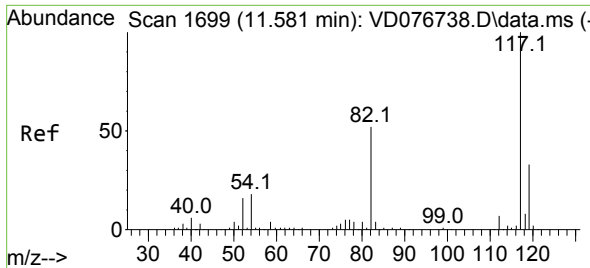
Tgt Ion: 98 Resp: 462883  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 47.985 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

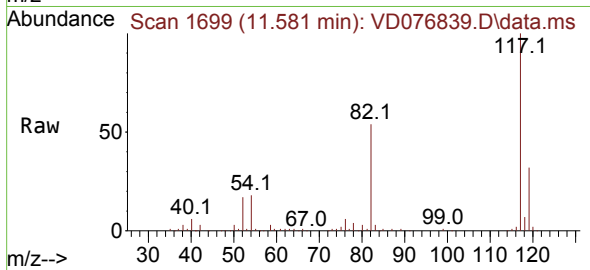
Tgt Ion: 95 Resp: 129909  
Ion Ratio Lower Upper  
95 100  
174 82.6 0.0 201.8  
176 82.0 0.0 191.8



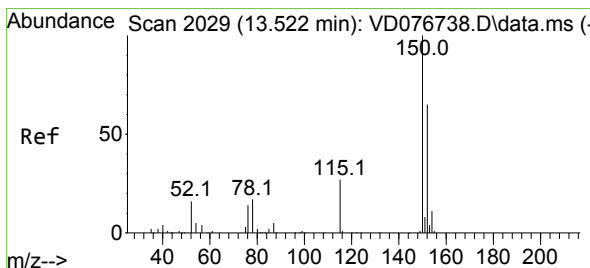
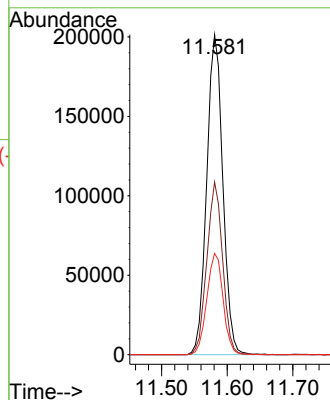
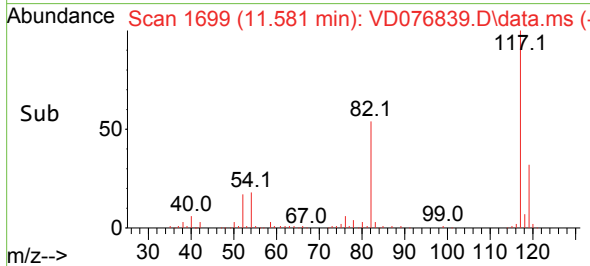


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Instrument :  
MSVOA\_D  
ClientSampleId :

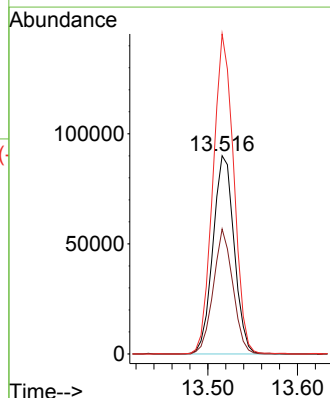
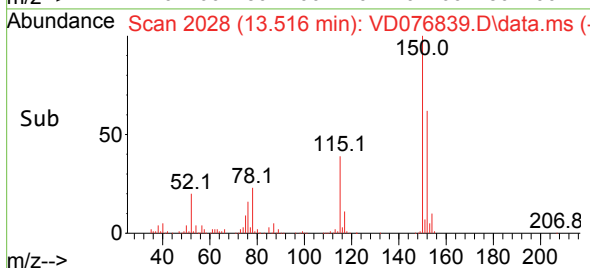
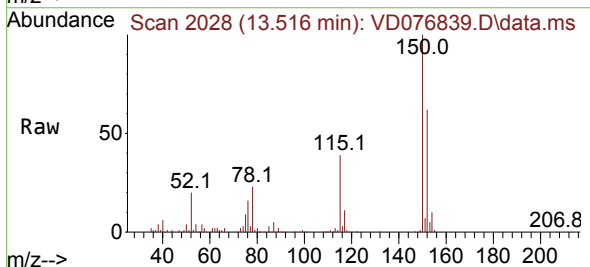


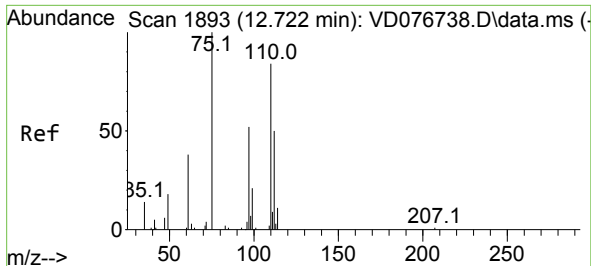
Tgt Ion:117 Resp: 344590  
Ion Ratio Lower Upper  
117 100  
82 54.0 38.3 57.5  
119 31.6 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Tgt Ion:152 Resp: 147914  
Ion Ratio Lower Upper  
152 100  
115 58.1 27.1 81.3  
150 158.1 0.0 353.6

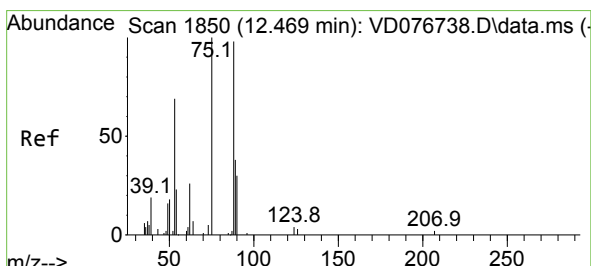
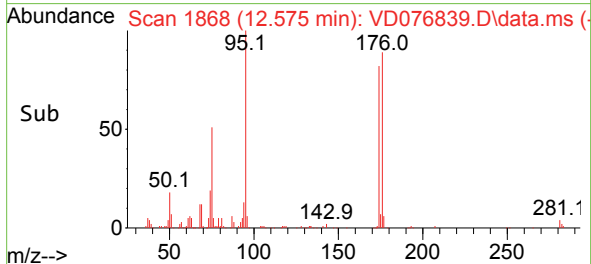
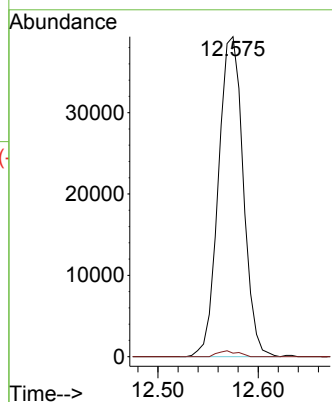
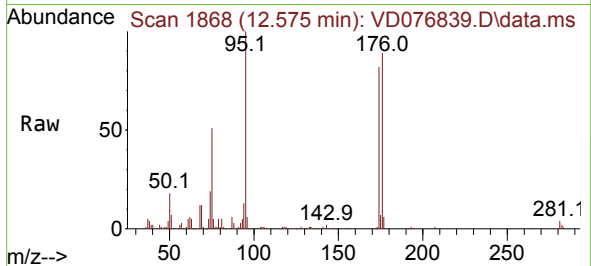




#76  
1,2,3-Trichloropropane  
Concen: 48.019 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 67546  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.197 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD076839.D  
Acq: 27 Jul 2023 17:37

Tgt Ion: 75 Resp: 67546  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.0 94.4#  
89 0.0 37.9 56.9#

