

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052223\  
 Data File : VD076183.D  
 Acq On : 22 May 2023 18:52  
 Operator : KP/SY  
 Sample : 02871-02  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ETGI-367

Quant Time: May 23 01:26:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

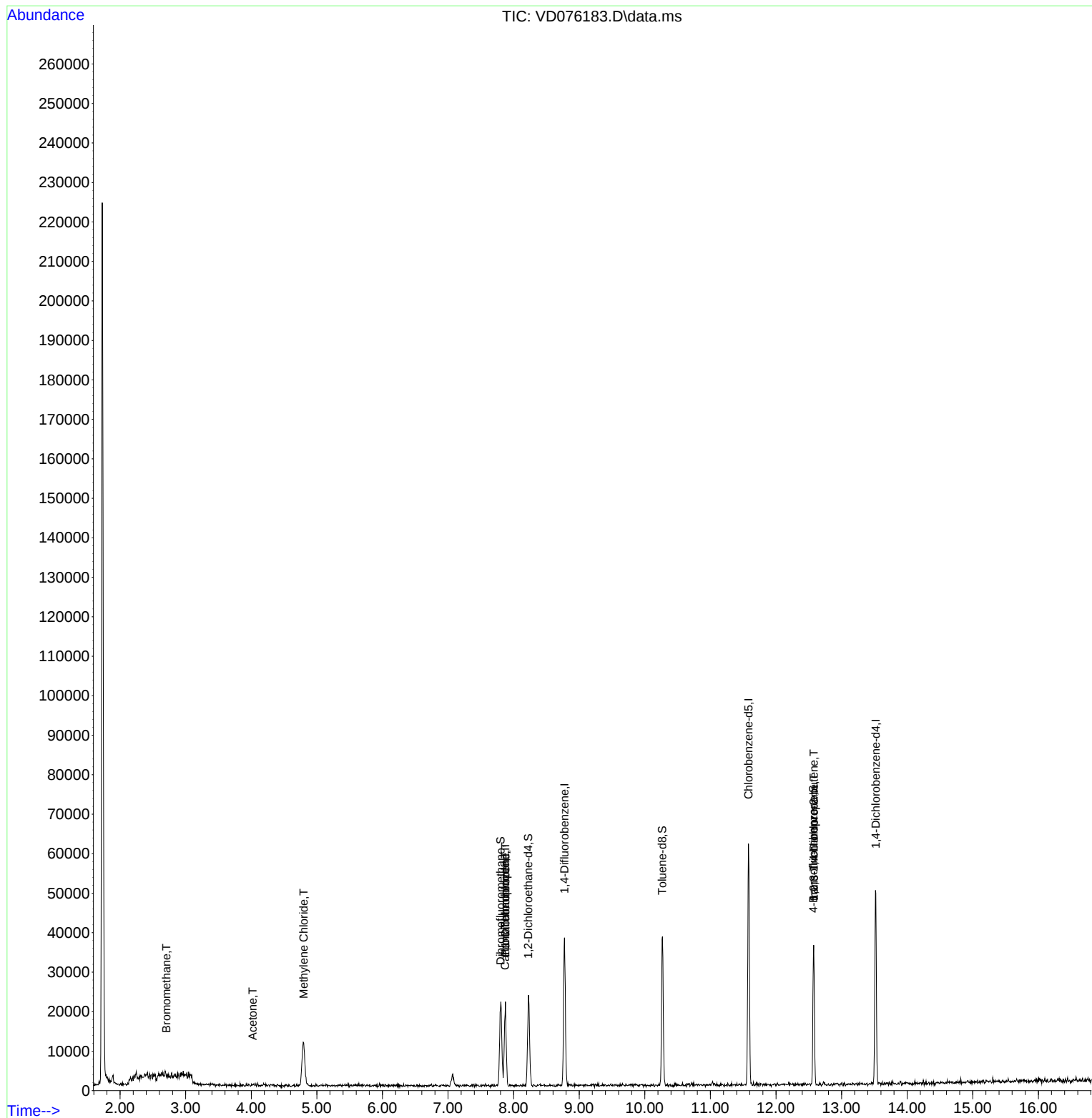
| Compound                      | R.T. QIon |       | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|-------------|----------|
| -----                         |           |       |          |           |             |          |
| Internal Standards            |           |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.875     | 168   | 15952    | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775     | 114   | 36627    | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 38441    | 50.000    | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.522    | 152   | 15028    | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |           |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.222     | 65    | 17086    | 110.824   | ug/l        | -0.01    |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 221.640%# |          |
| 35) Dibromofluoromethane      | 7.799     | 113   | 16026    | 63.301    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 126.600%  |          |
| 50) Toluene-d8                | 10.263    | 98    | 29719    | 30.113    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 60.220%   |          |
| 62) 4-Bromofluorobenzene      | 12.569    | 95    | 11013    | 40.171    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 80.340%   |          |
| Target Compounds              |           |       |          |           |             |          |
|                               |           |       |          |           | Qvalue      |          |
| 3) Chloromethane              | 2.140     | 50    | 107      | Below Cal | #           | 40       |
| 5) Bromomethane               | 2.705     | 94    | 351      | 1.680     | ug/l        | 94       |
| 16) Acetone                   | 4.022     | 43    | 403      | 13.138    | ug/l        | # 44     |
| 20) Methylene Chloride        | 4.799     | 84    | 10251    | 40.214    | ug/l        | # 77     |
| 36) 1,1-Dichloropropene       | 7.875     | 75    | 1272     | 3.720     | ug/l        | # 42     |
| 38) Carbon Tetrachloride      | 7.869     | 117   | 1700     | 5.504     | ug/l        | # 13     |
| 76) 1,2,3-Trichloropropane    | 12.575    | 75    | 5425     | 41.252    | ug/l        | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.575    | 75    | 5425     | 86.541    | ug/l        | # 5      |
| -----                         |           |       |          |           |             |          |

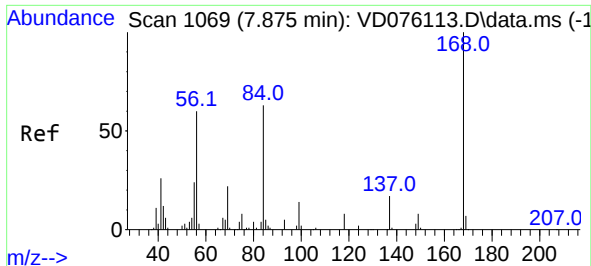
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 23 01:26:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 10:08:53 2023  
Response via : Initial Calibration

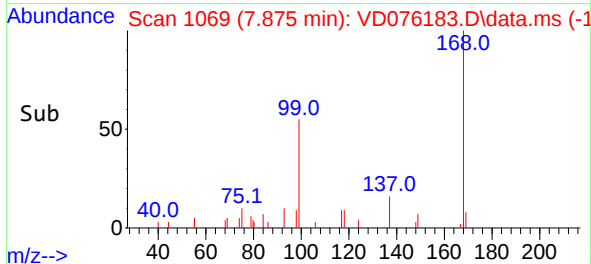
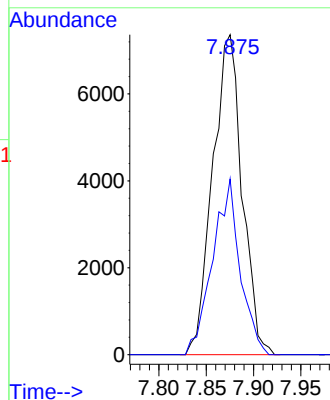
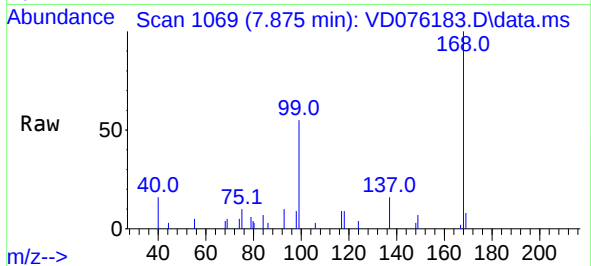




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

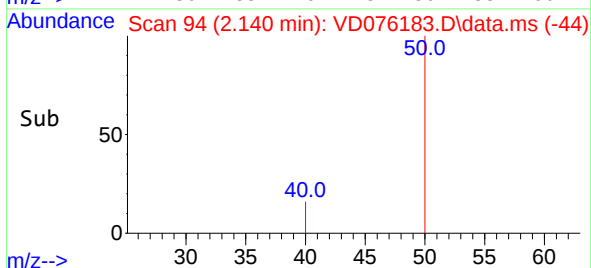
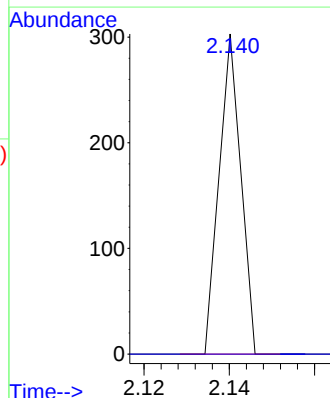
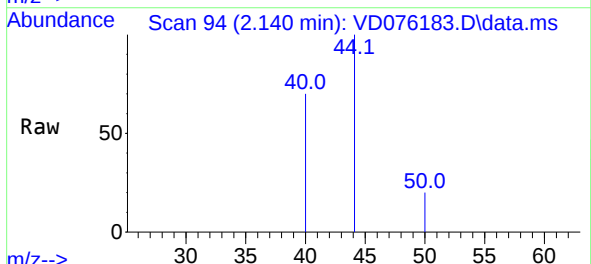
Instrument :  
MSVOA\_D  
ClientSampleId :  
ETGI-367

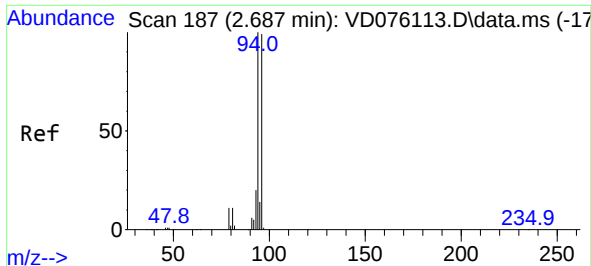
Tgt Ion:168 Resp: 15952  
Ion Ratio Lower Upper  
168 100  
99 54.9 43.8 65.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.140 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Tgt Ion: 50 Resp: 107  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.8 41.8#

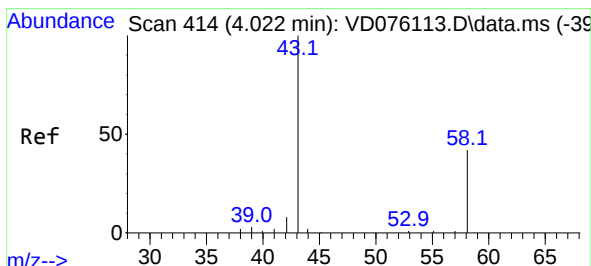
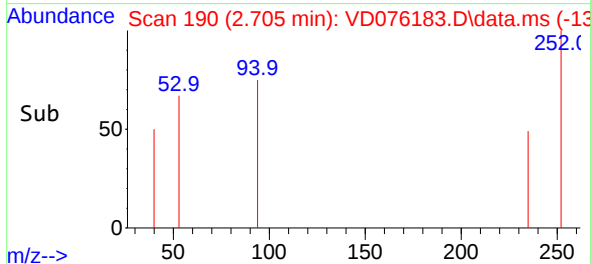
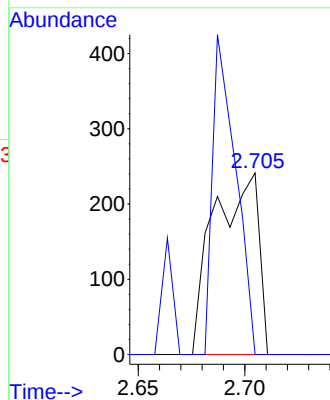
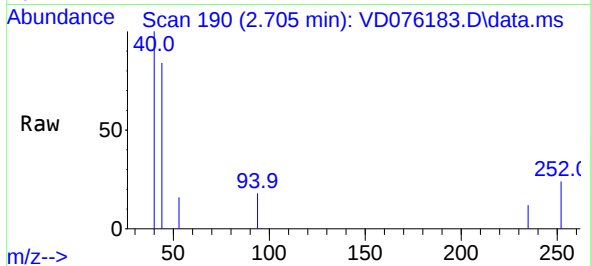




#5  
Bromomethane  
Concen: 1.680 ug/l  
RT: 2.705 min Scan# 190  
Delta R.T. 0.018 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

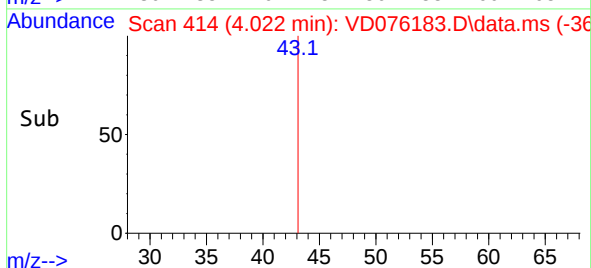
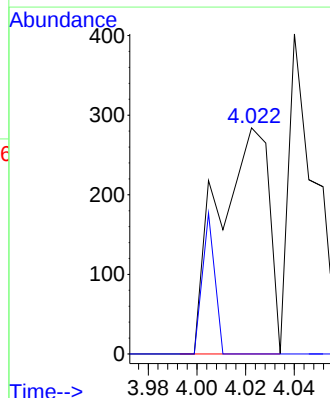
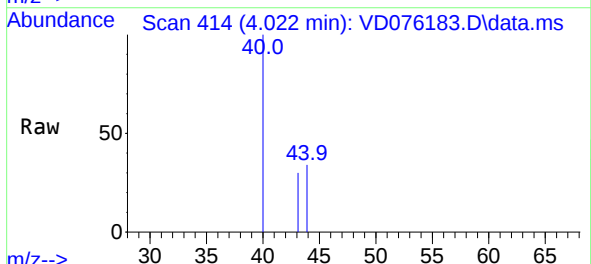
Instrument :  
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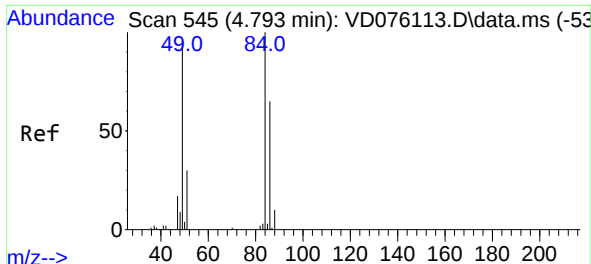
Tgt Ion: 94 Resp: 351  
Ion Ratio Lower Upper  
94 100  
96 91.5 77.5 116.3



#16  
Acetone  
Concen: 13.138 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Tgt Ion: 43 Resp: 403  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 36.6#

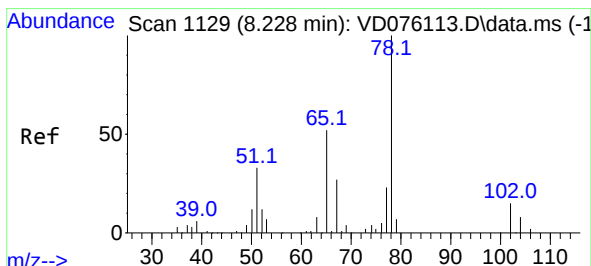
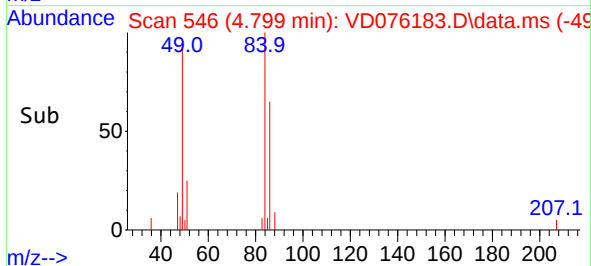
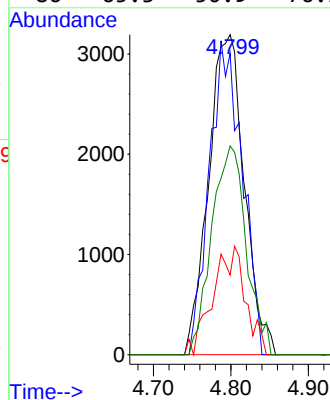
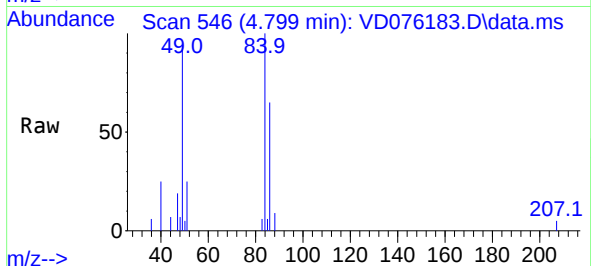




#20  
Methylene Chloride  
Concen: 40.214 ug/l  
RT: 4.799 min Scan# 545  
Delta R.T. -0.000 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

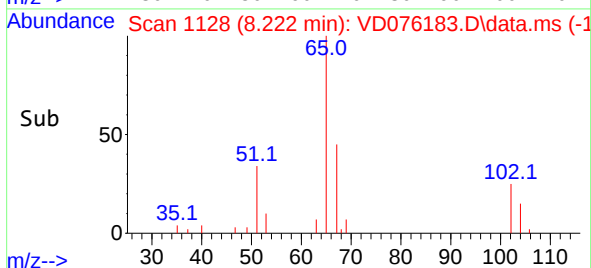
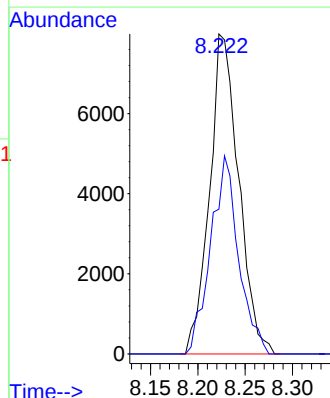
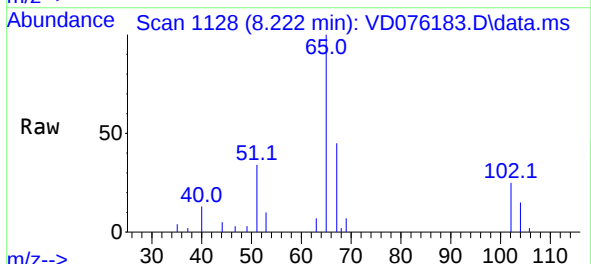
Instrument :  
MSVOA\_D  
ClientSampleId :  
ETGI-367

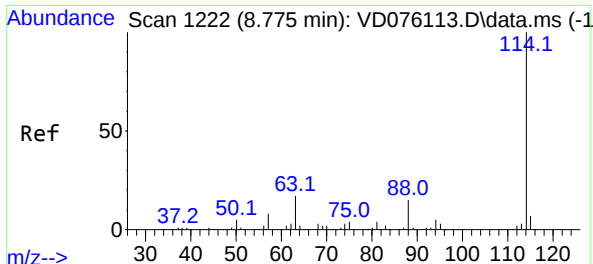
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 10251  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 94.1  | 106.4 | 159.6# |
| 51       | 24.8  | 32.4  | 48.6#  |
| 86       | 65.3  | 50.9  | 76.3   |



#33  
1,2-Dichloroethane-d4  
Concen: 110.824 ug/l  
RT: 8.222 min Scan# 1128  
Delta R.T. -0.012 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 17086 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 59.3  | 0.0   | 102.2 |



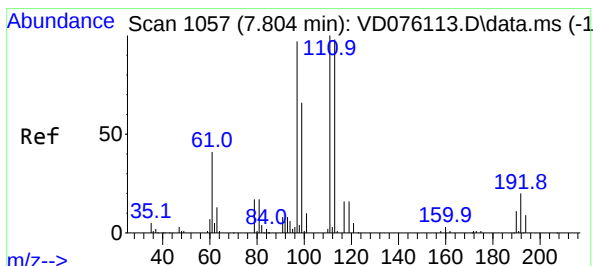
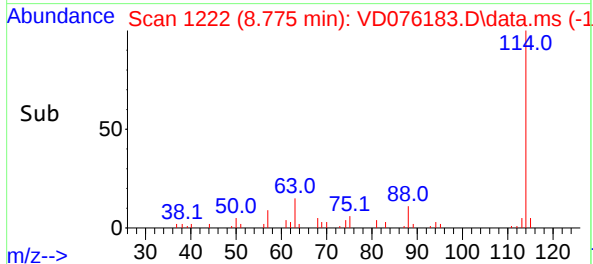
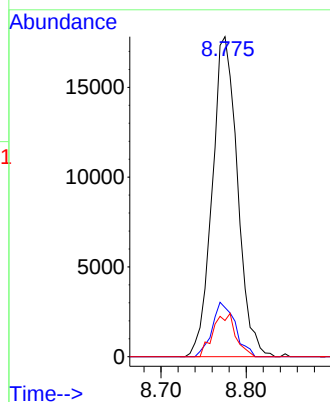
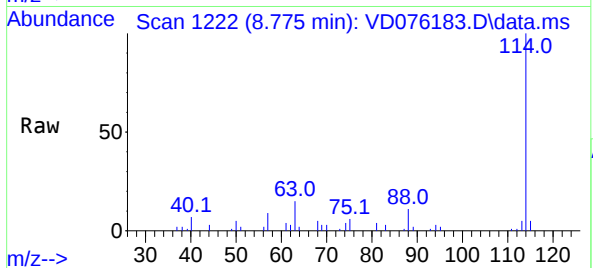


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Instrument :  
MSVOA\_D  
ClientSampleId :  
ETGI-367

Tgt Ion:114 Resp: 36627

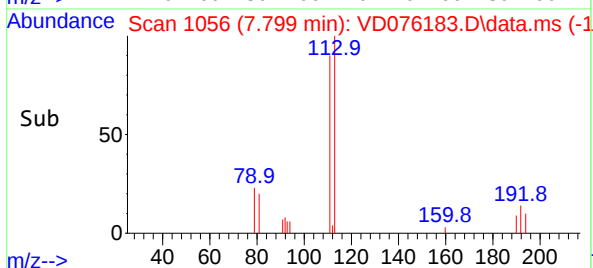
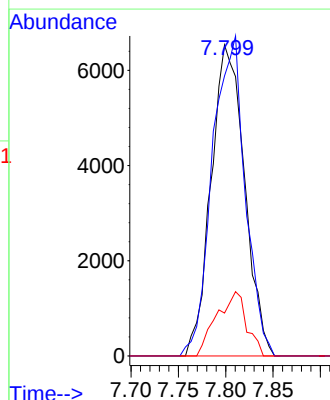
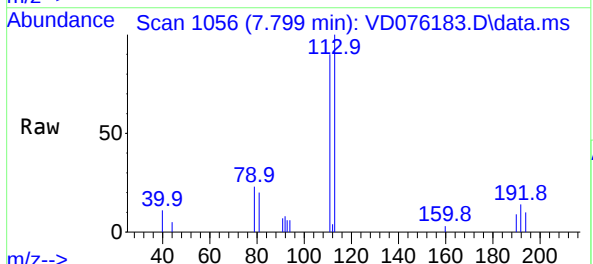
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 15.4  | 0.0   | 41.6  |
| 88  | 11.3  | 0.0   | 30.6  |

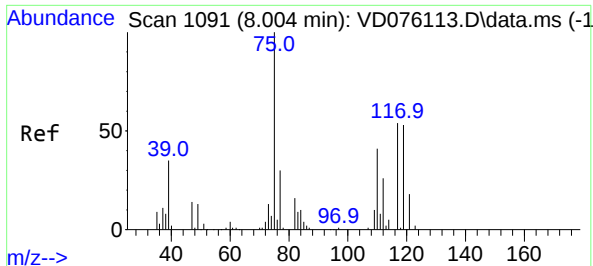


#35  
Dibromofluoromethane  
Concen: 63.301 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Tgt Ion:113 Resp: 16026

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 100.8 | 81.4  | 122.0 |
| 192 | 18.5  | 15.2  | 22.8  |

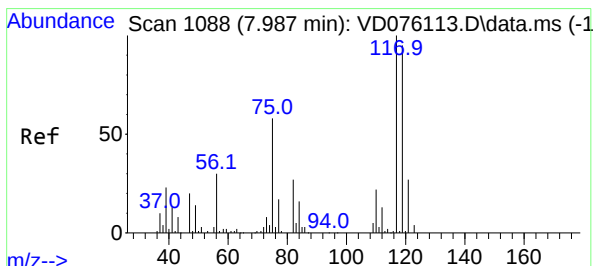
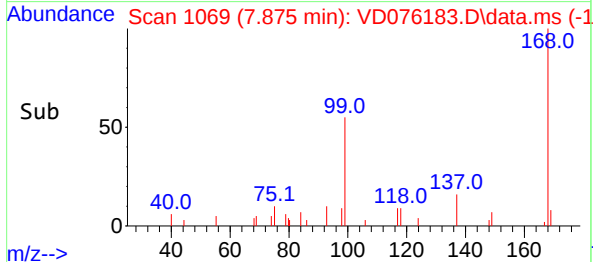
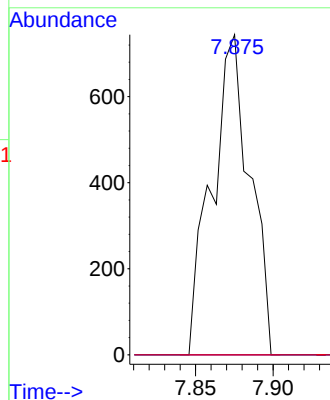
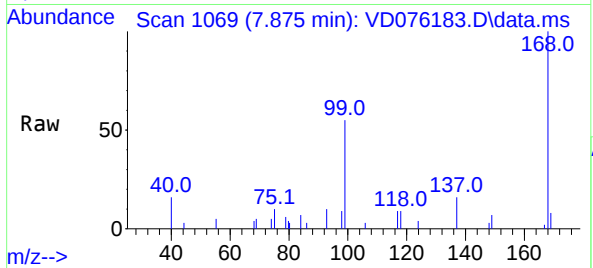




#36  
1,1-Dichloropropene  
Concen: 3.720 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.135 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

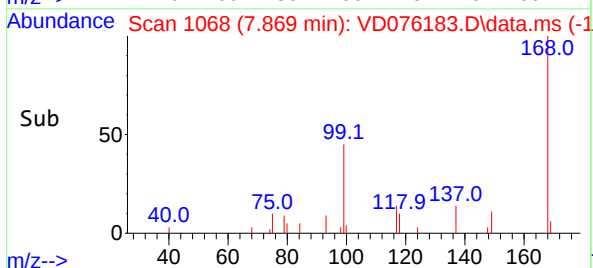
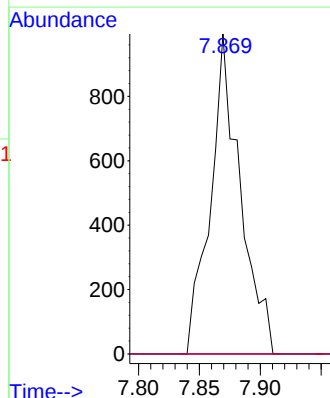
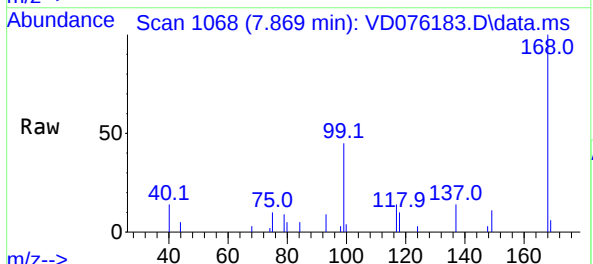
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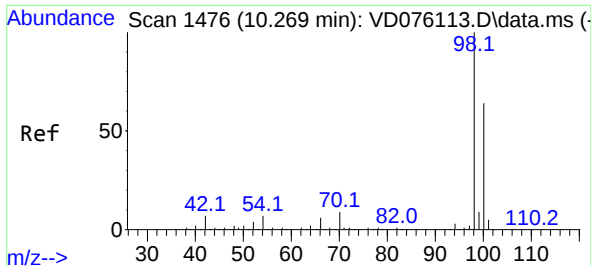
Tgt Ion: 75 Resp: 1272  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.1 51.2#  
77 0.0 24.6 36.8#



#38  
Carbon Tetrachloride  
Concen: 5.504 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.124 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Tgt Ion: 117 Resp: 1700  
Ion Ratio Lower Upper  
117 100  
119 0.0 74.7 112.1#  
121 0.0 25.9 38.9#

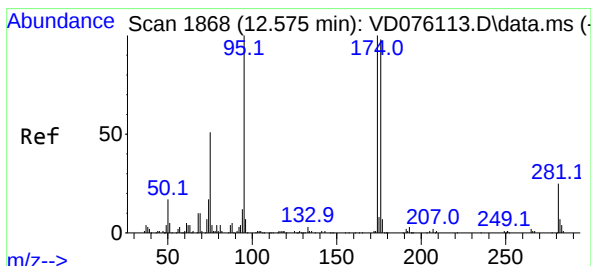
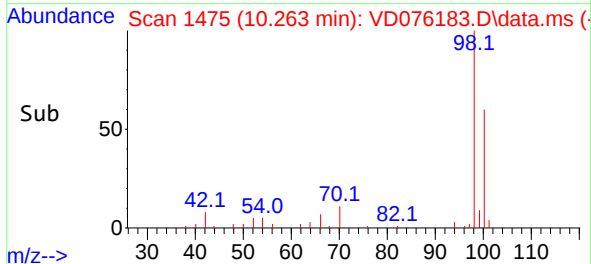
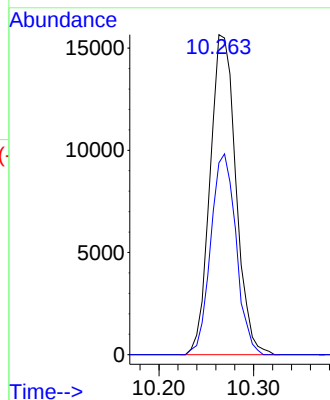
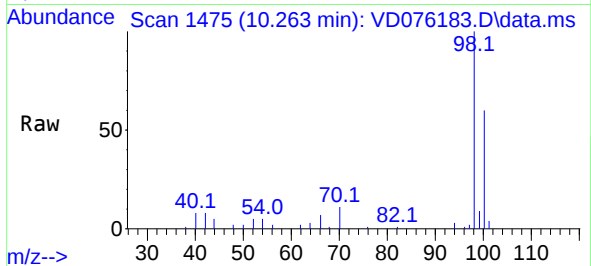




#50  
Toluene-d8  
Concen: 30.113 ug/l  
RT: 10.263 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

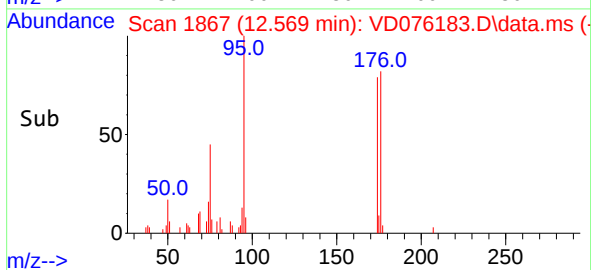
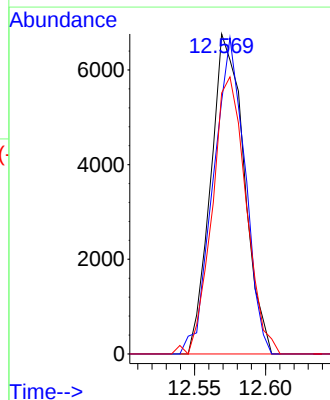
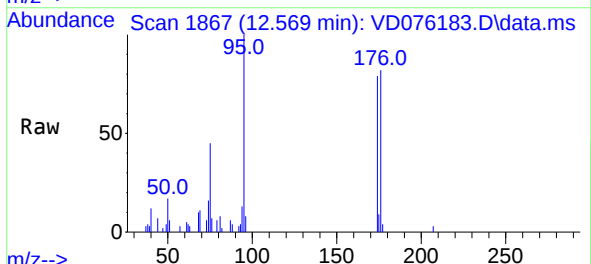
Instrument :  
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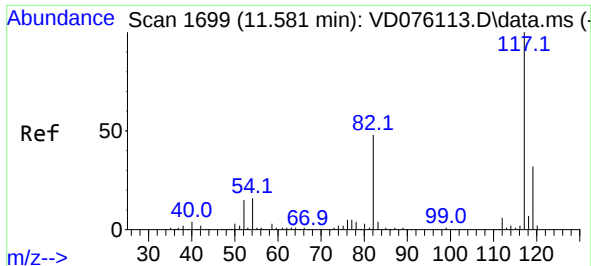
Tgt Ion: 98 Resp: 29719  
Ion Ratio Lower Upper  
98 100  
100 61.4 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 40.171 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Tgt Ion: 95 Resp: 11013  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 164.0  
176 88.0 0.0 156.8

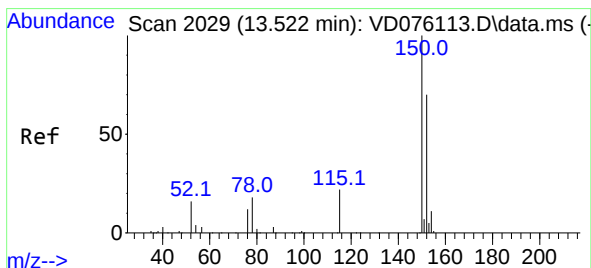
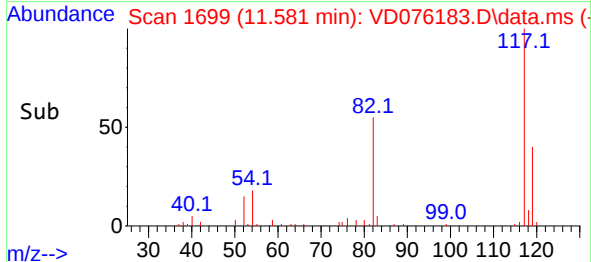
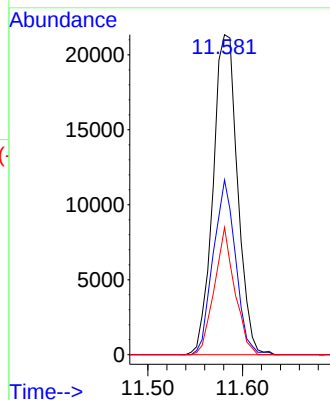
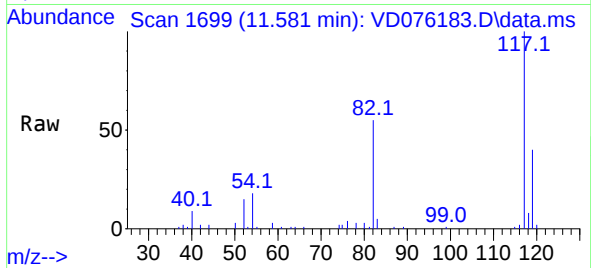




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

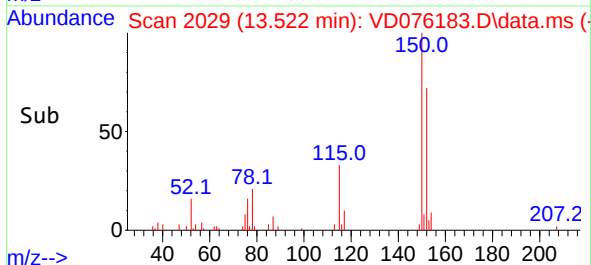
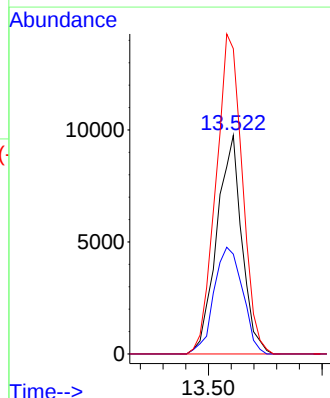
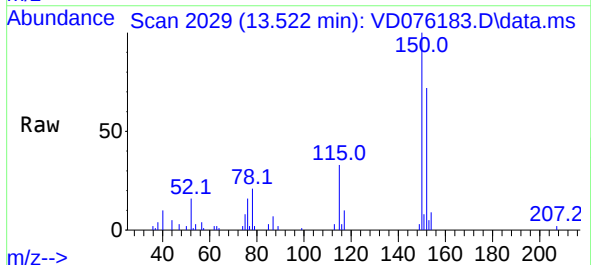
Instrument :  
MSVOA\_D  
ClientSampleId :  
ETGI-367

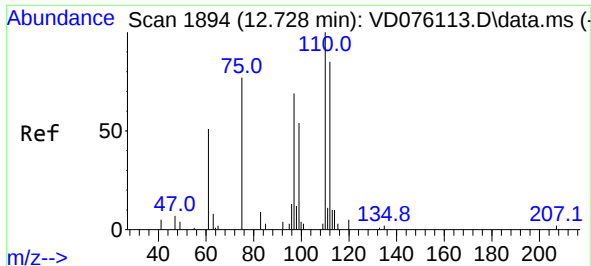
Tgt Ion:117 Resp: 38441  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.0 66.0  
119 39.8 25.1 37.7#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Tgt Ion:152 Resp: 15028  
Ion Ratio Lower Upper  
152 100  
115 55.7 30.1 90.3  
150 153.4 0.0 364.8

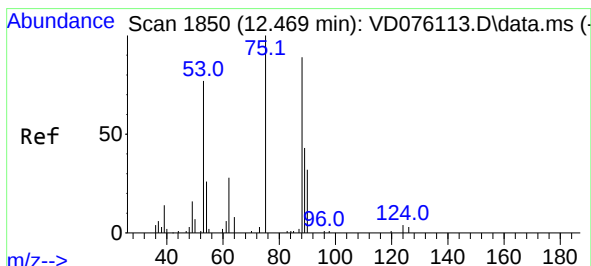
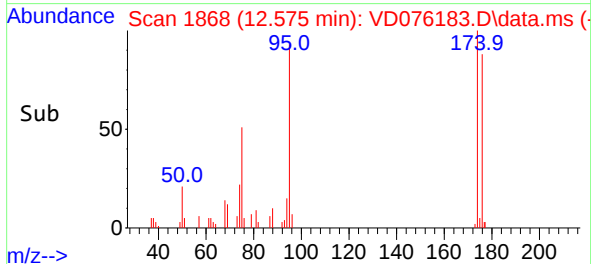
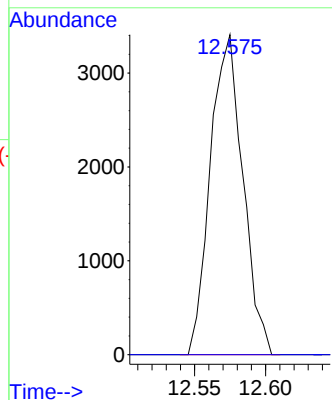
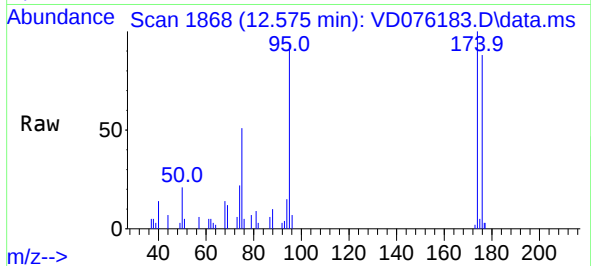




#76  
1,2,3-Trichloropropane  
Concen: 41.252 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Instrument :  
MSVOA\_D  
ClientSampleId :  
ETGI-367

Tgt Ion: 75 Resp: 5425  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.541 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.100 min  
Lab File: VD076183.D  
Acq: 22 May 2023 18:52

Tgt Ion: 75 Resp: 5425  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 40.2 60.4#

