

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011321\  
 Data File : VD068064.D  
 Acq On : 13 Jan 2021 12:01  
 Operator : VA/SY  
 Sample : M1091-01  
 Misc : 6.32G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OK-03-011221

Quant Time: Jan 13 12:26:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 13 03:57:57 2021  
 Response via : Initial Calibration

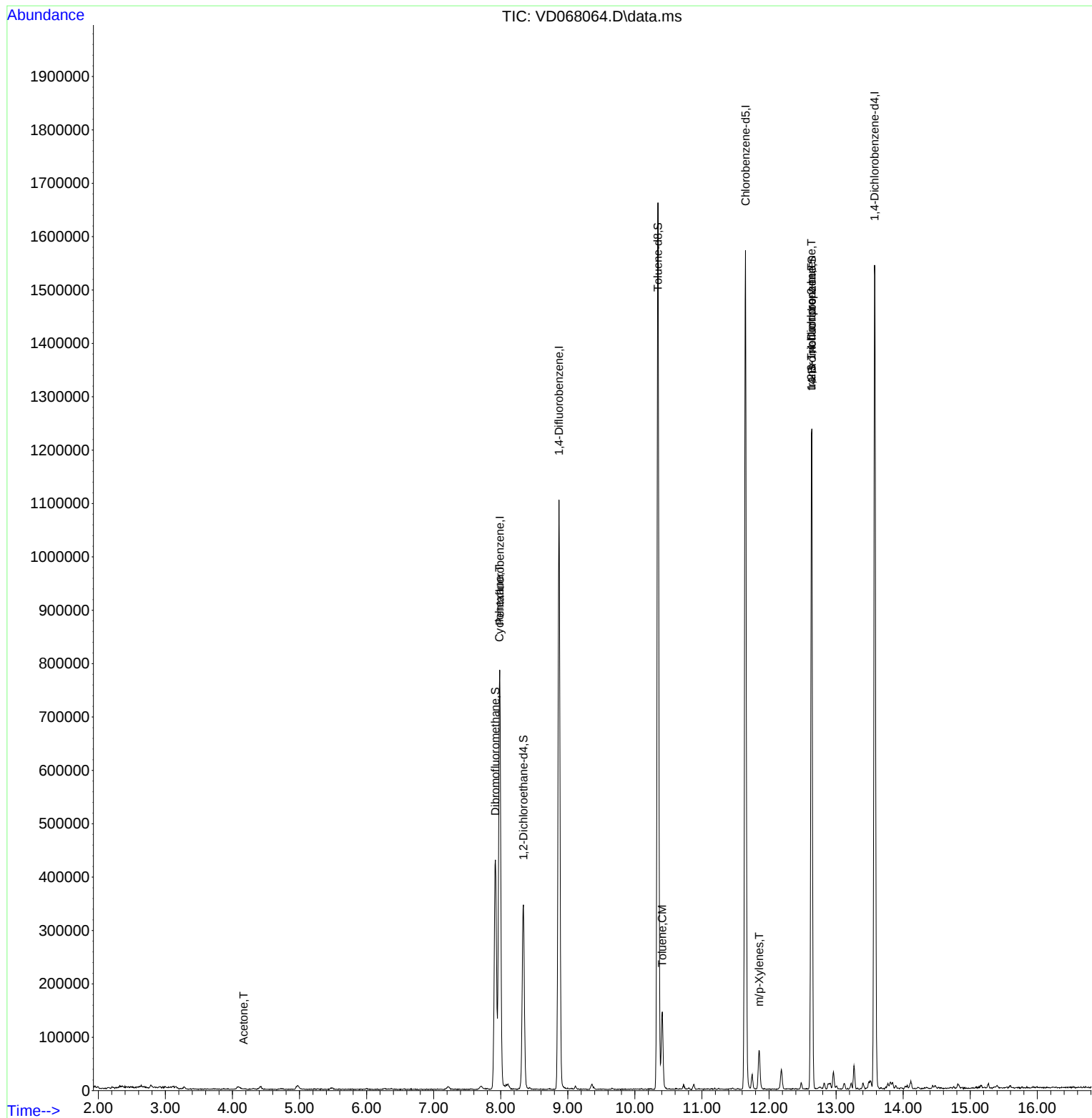
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.985  | 168   | 604800   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867  | 114   | 1008049  | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.650 | 117   | 972057   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573 | 152   | 445411   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.338  | 65    | 285347   | 55.49     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 110.98%  |
| 35) Dibromofluoromethane      | 7.920  | 113   | 311400   | 54.20     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 108.40%  |
| 50) Toluene-d8                | 10.344 | 98    | 1172046  | 55.35     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 110.70%  |
| 62) 4-Bromofluorobenzene      | 12.638 | 95    | 428560   | 57.76     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 115.52%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.220  | 59    | 273      | Below Cal | #      | 74       |
| 16) Acetone                   | 4.168  | 43    | 1468     | 1.80      | ug/l # | 53       |
| 20) Methylene Chloride        | 4.973  | 84    | 5373     | Below Cal | #      | 67       |
| 31) Cyclohexane               | 7.979  | 56    | 13551    | 1.58      | ug/l # | 30       |
| 52) Toluene                   | 10.408 | 92    | 61881    | 3.71      | ug/l   | 94       |
| 68) m/p-Xylenes               | 11.855 | 106   | 23899    | 1.85      | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75    | 205961   | 58.36     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75    | 205961   | 130.95    | ug/l # | 13       |
| -----                         |        |       |          |           |        |          |

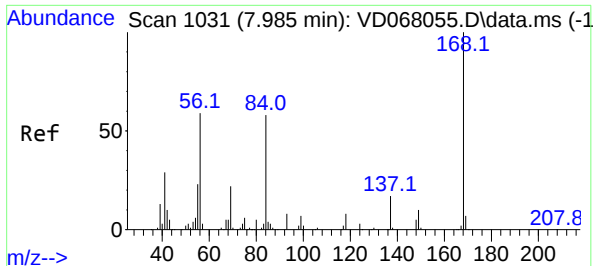
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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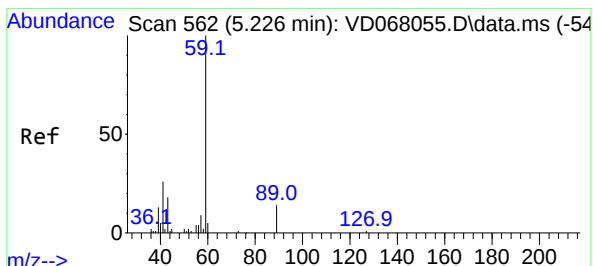
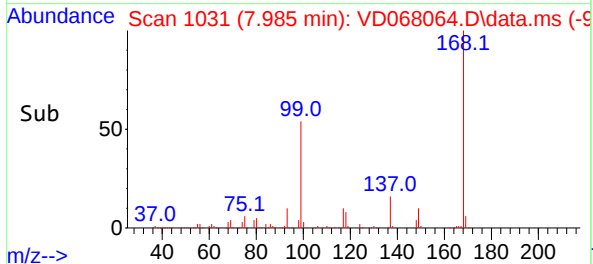
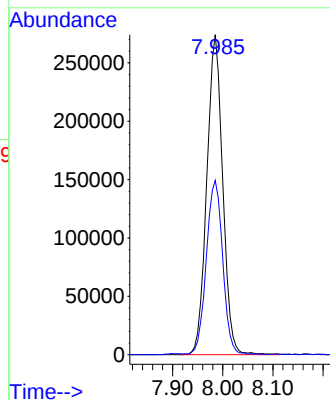
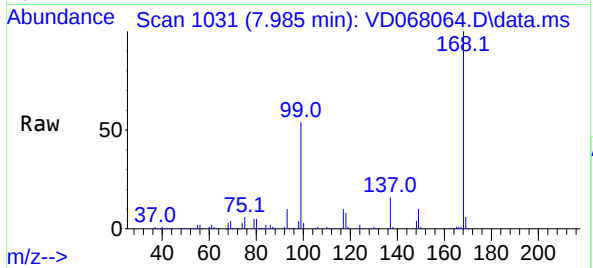




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

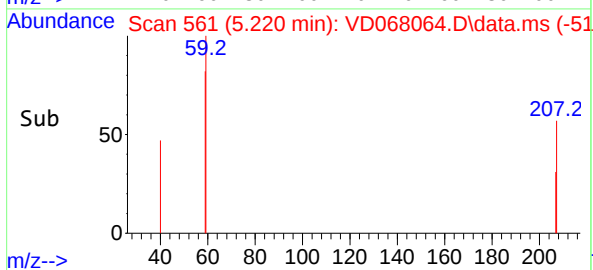
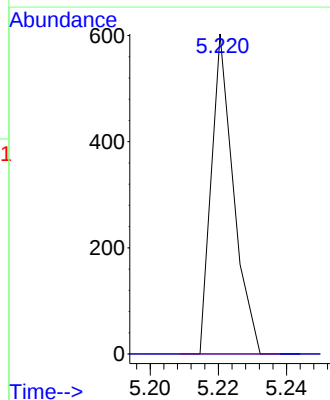
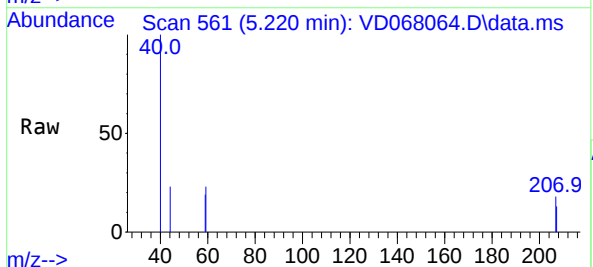
Instrument :  
MSVOA\_D  
ClientSampleId :  
OK-03-011221

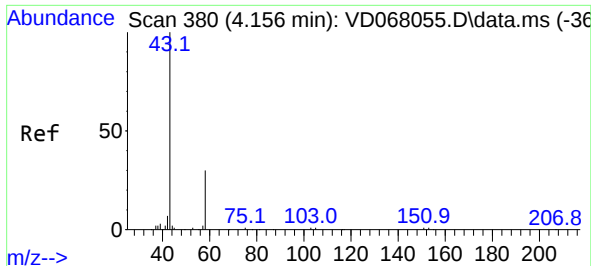
Tgt Ion:168 Resp: 604800  
Ion Ratio Lower Upper  
168 100  
99 54.4 43.5 65.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.220 min Scan# 561  
Delta R.T. -0.006 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Tgt Ion: 59 Resp: 273  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

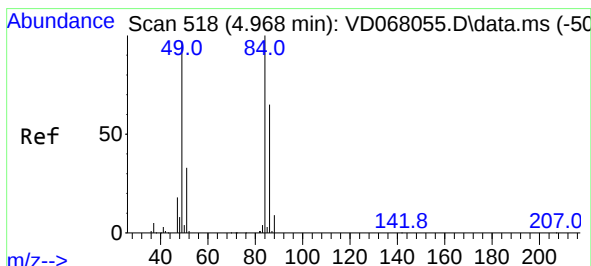
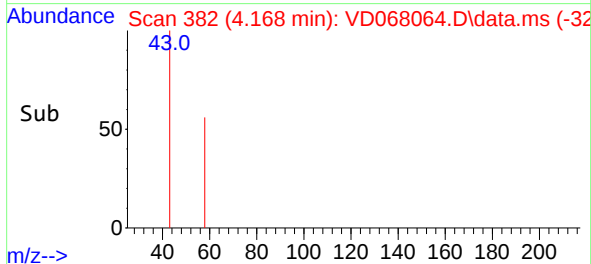
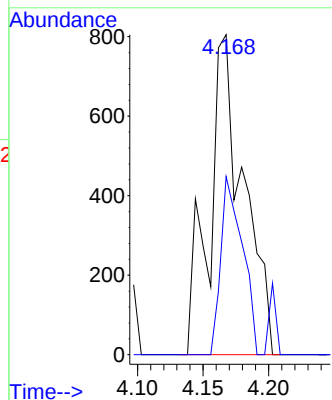
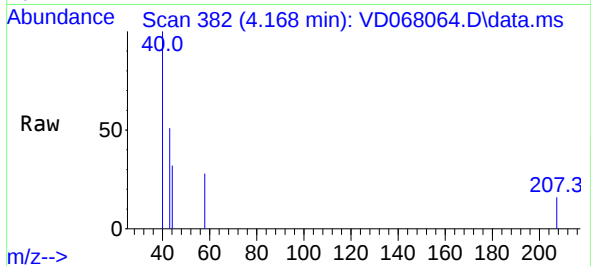




#16  
Acetone  
Concen: 1.80 ug/l  
RT: 4.168 min Scan# 382  
Delta R.T. 0.012 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

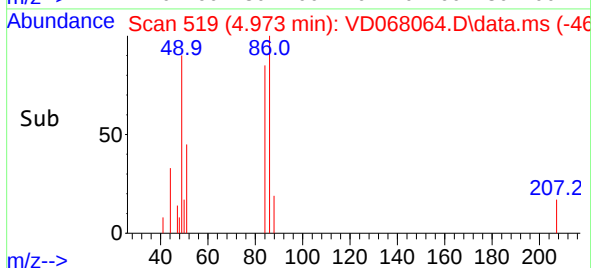
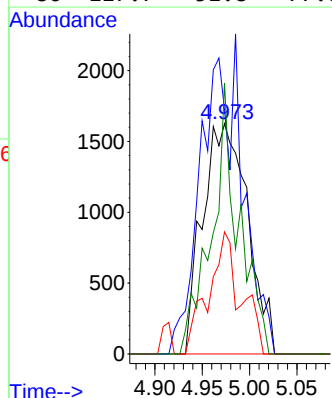
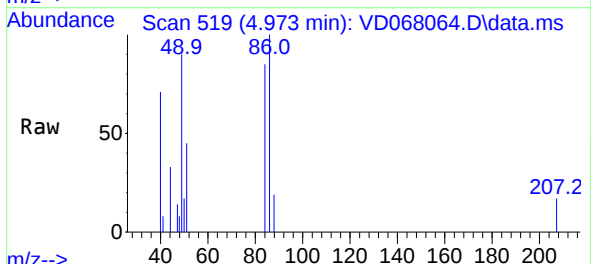
Instrument :  
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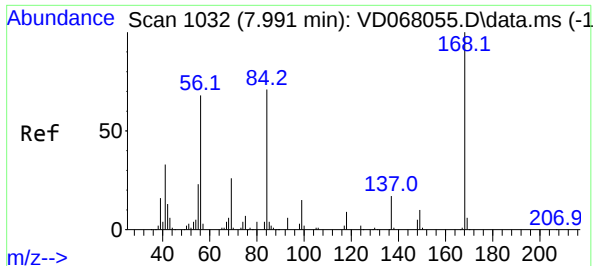
Tgt Ion: 43 Resp: 1468  
Ion Ratio Lower Upper  
43 100  
58 55.7 24.2 36.4#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.973 min Scan# 519  
Delta R.T. 0.005 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Tgt Ion: 84 Resp: 5373  
Ion Ratio Lower Upper  
84 100  
49 106.0 77.4 116.2  
51 53.0 26.1 39.1#  
86 117.7 51.8 77.8#

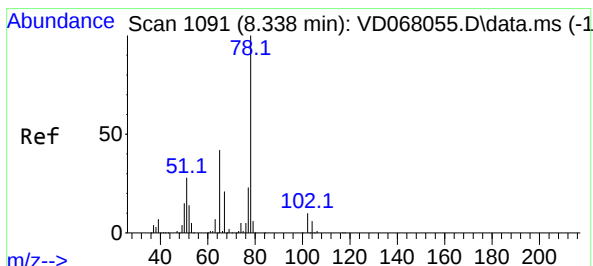
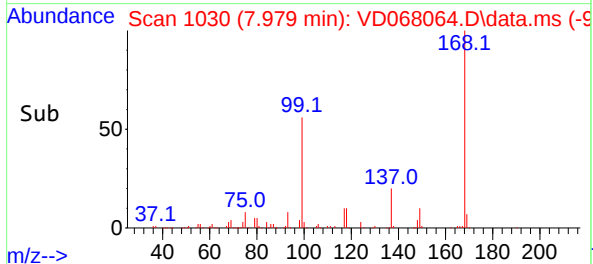
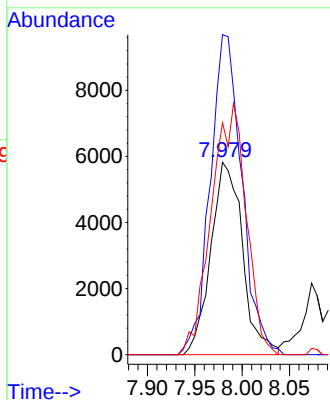
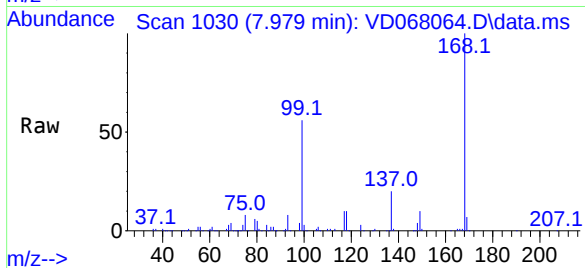




#31  
Cyclohexane  
Concen: 1.58 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

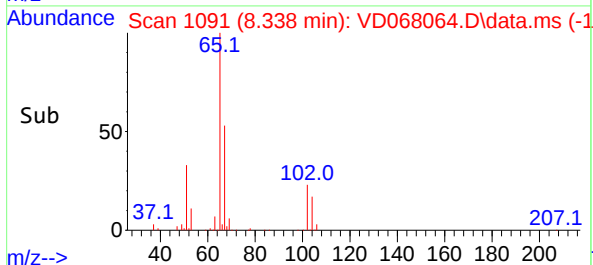
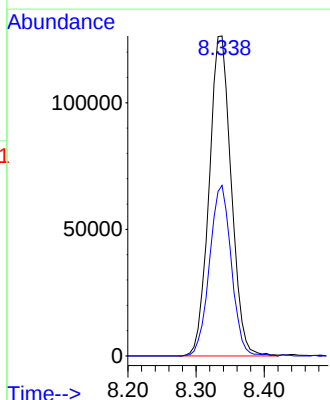
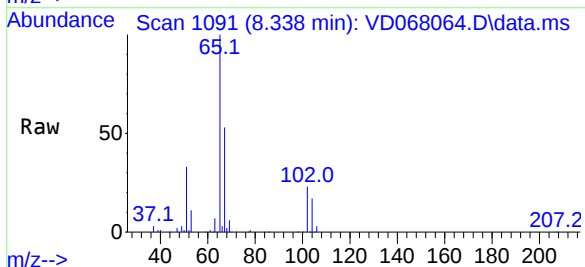
Instrument :  
MSVOA\_D  
ClientSampleId :  
OK-03-011221

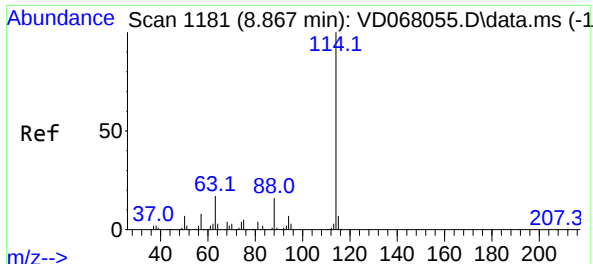
Tgt Ion: 56 Resp: 13551  
Ion Ratio Lower Upper  
56 100  
69 166.3 30.1 45.1#  
84 120.6 82.1 123.1



#33  
1,2-Dichloroethane-d4  
Concen: 55.49 ug/l  
RT: 8.338 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Tgt Ion: 65 Resp: 285347  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 105.0



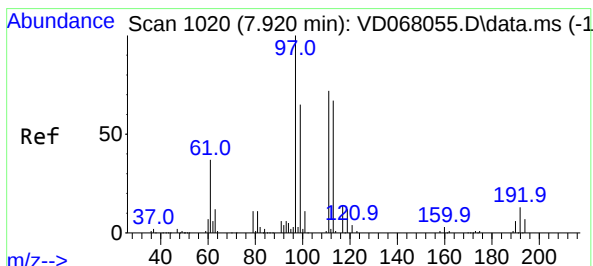
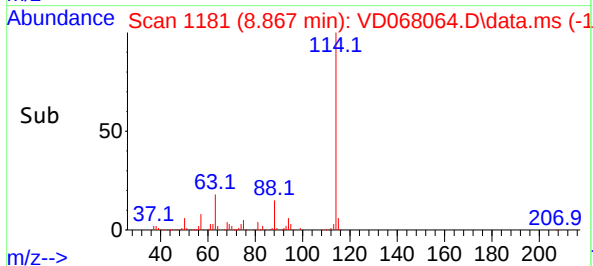
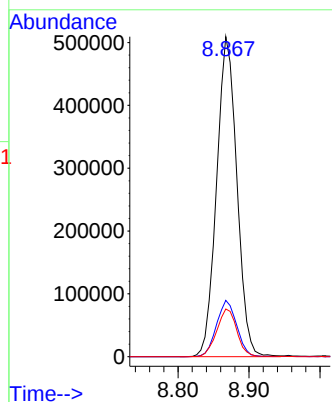
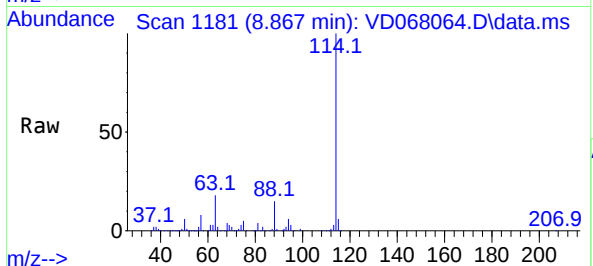


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
OK-03-011221

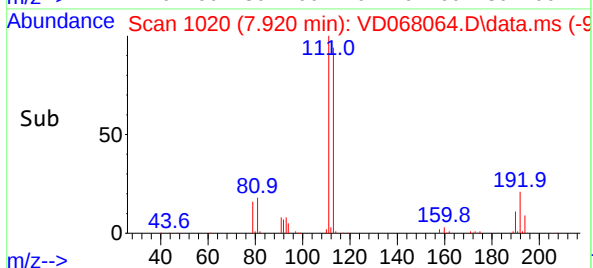
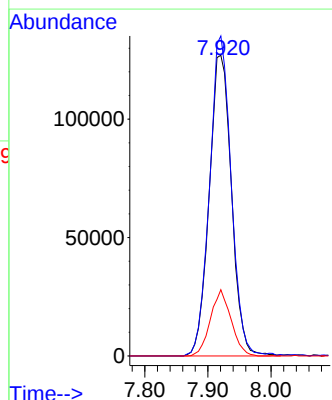
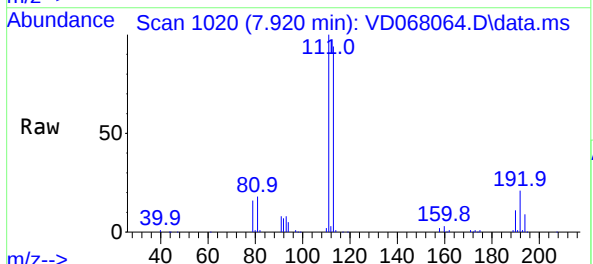
Tgt Ion:114 Resp: 1008049  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 34.8  
88 14.9 0.0 31.6

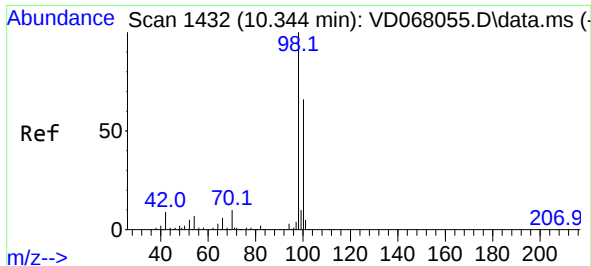


#35

Dibromofluoromethane  
Concen: 54.20 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Tgt Ion:113 Resp: 311400  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.4 122.0  
192 20.4 16.1 24.1

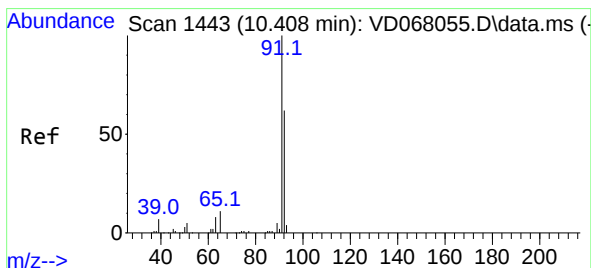
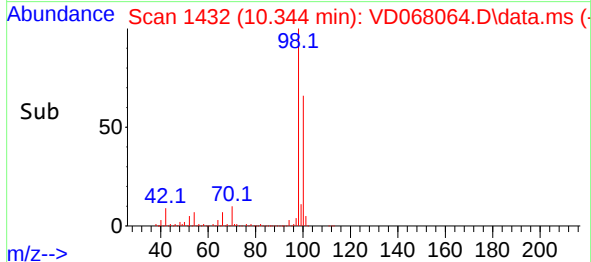
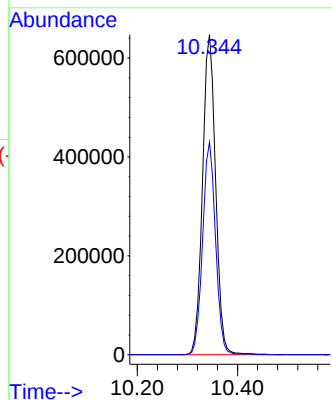
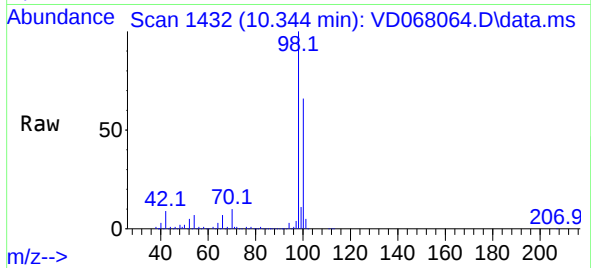




#50  
Toluene-d8  
Concen: 55.35 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

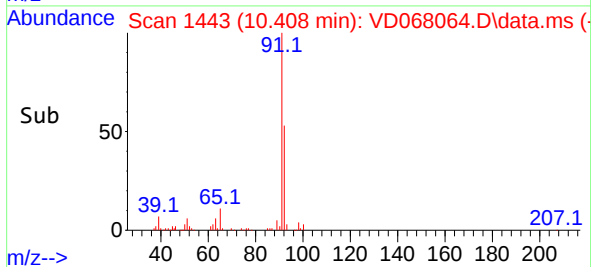
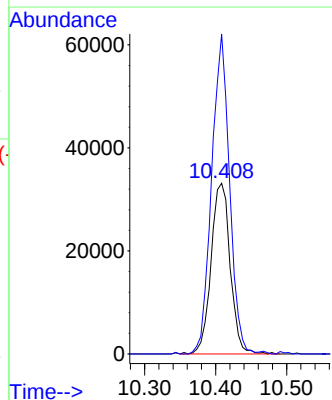
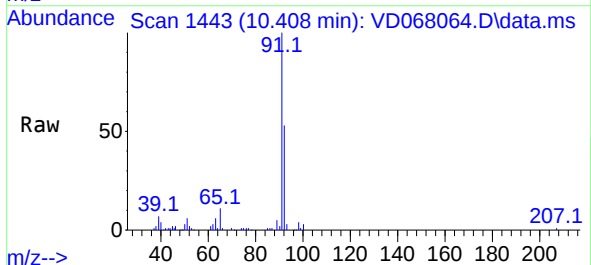
Instrument :  
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ClientSampleId :  
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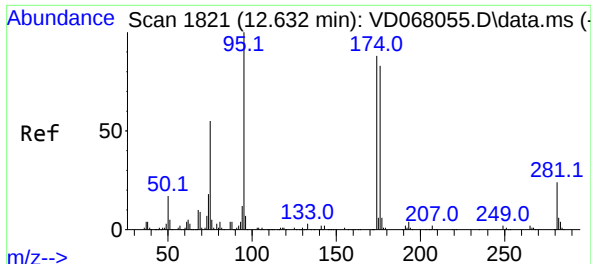
Tgt Ion: 98 Resp: 1172046  
Ion Ratio Lower Upper  
98 100  
100 65.8 53.0 79.4



#52  
Toluene  
Concen: 3.71 ug/l  
RT: 10.408 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Tgt Ion: 92 Resp: 61881  
Ion Ratio Lower Upper  
92 100  
91 175.7 134.1 201.1

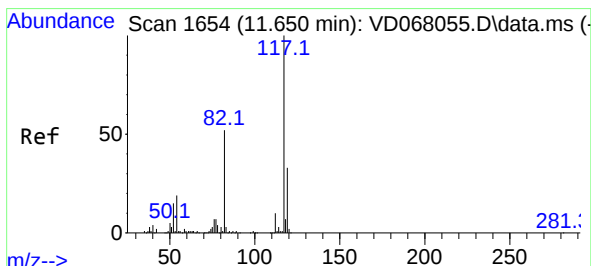
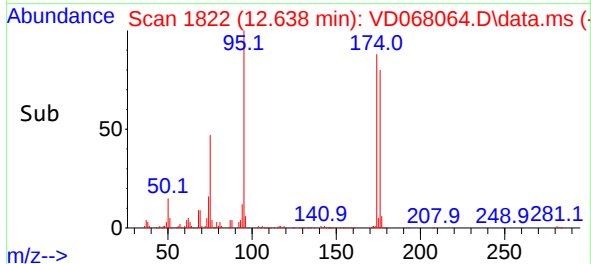
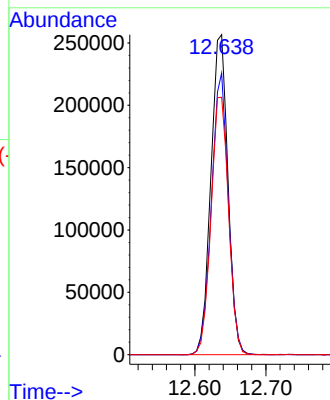
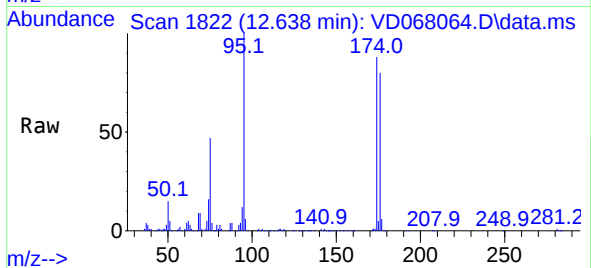




#62  
4-Bromofluorobenzene  
Concen: 57.76 ug/l  
RT: 12.638 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

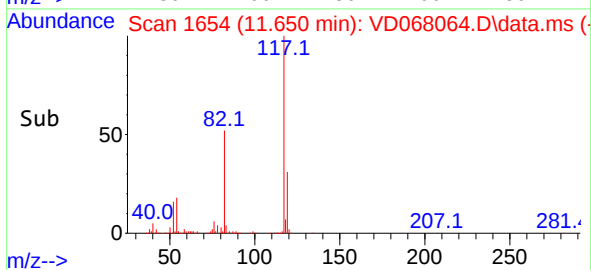
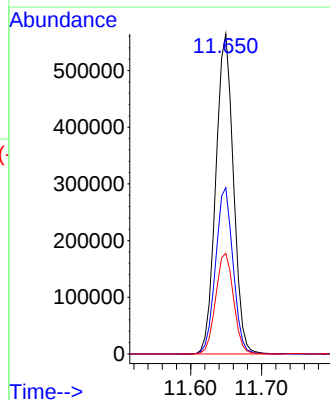
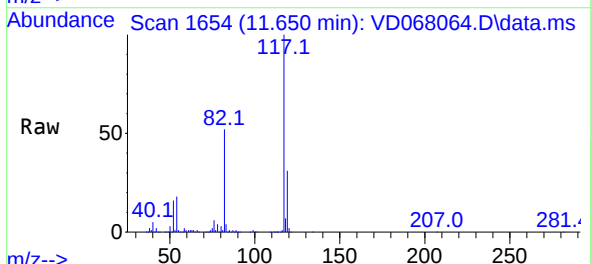
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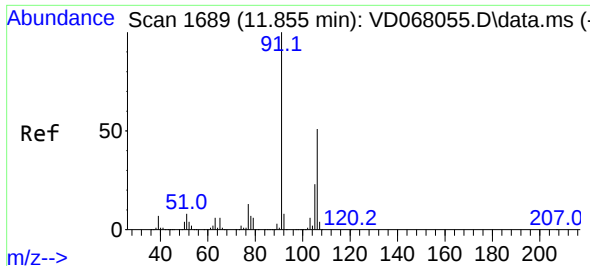
Tgt Ion: 95 Resp: 428560  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 172.4  
176 82.2 0.0 168.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.650 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Tgt Ion: 117 Resp: 972057  
Ion Ratio Lower Upper  
117 100  
82 51.9 41.4 62.0  
119 31.5 26.1 39.1

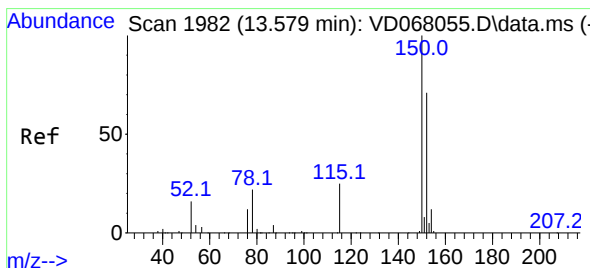
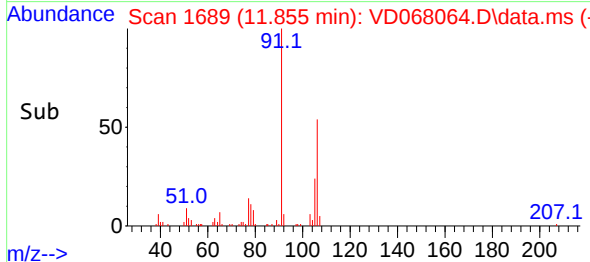
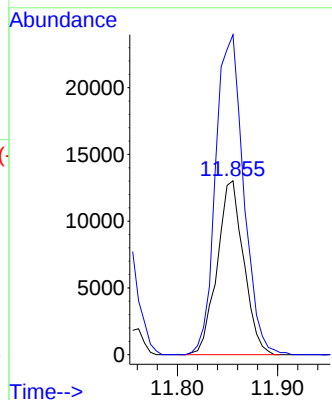
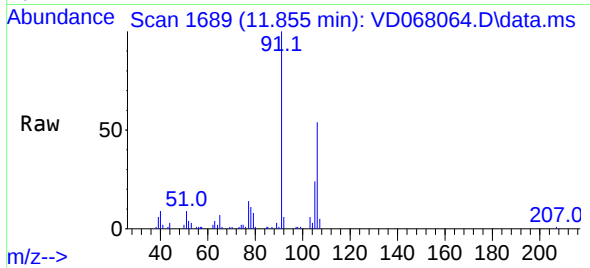




#68  
m/p-Xylenes  
Concen: 1.85 ug/l  
RT: 11.855 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

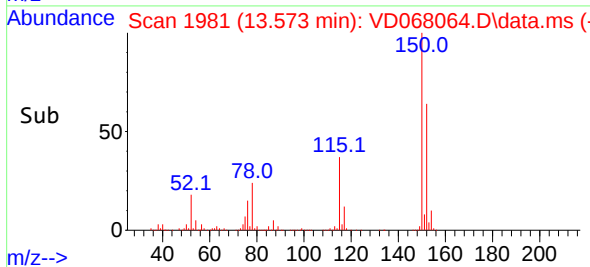
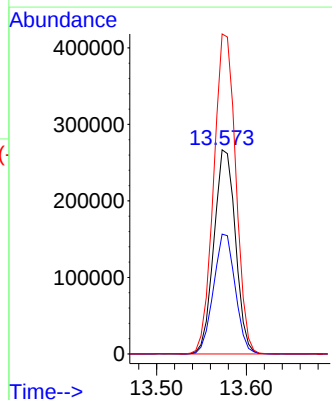
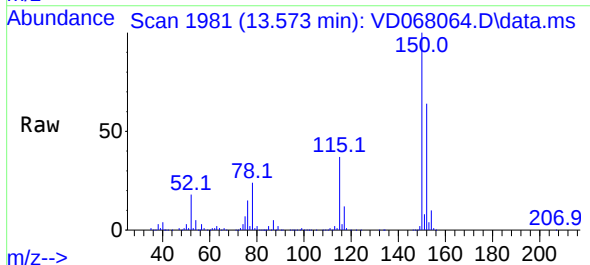
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ClientSampleId :  
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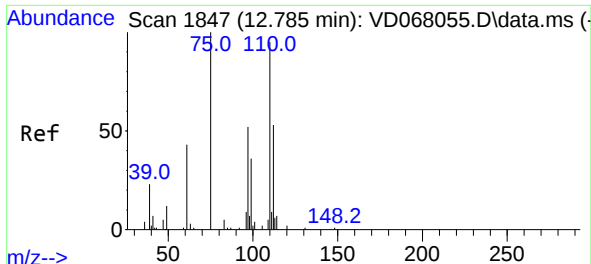
Tgt Ion:106 Resp: 23899  
Ion Ratio Lower Upper  
106 100  
91 194.4 159.1 238.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.006 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Tgt Ion:152 Resp: 445411  
Ion Ratio Lower Upper  
152 100  
115 59.2 28.9 86.8  
150 160.5 0.0 344.4

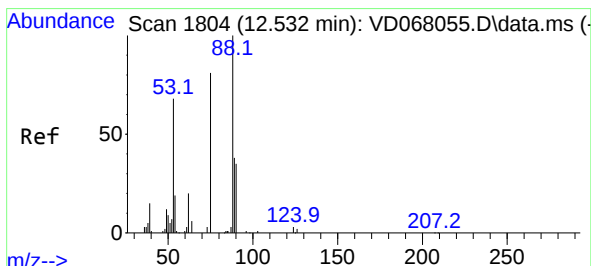
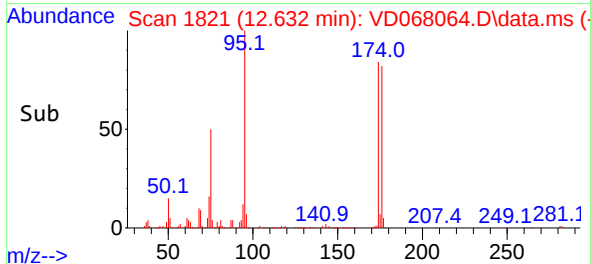
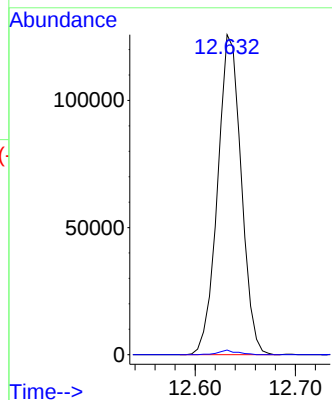
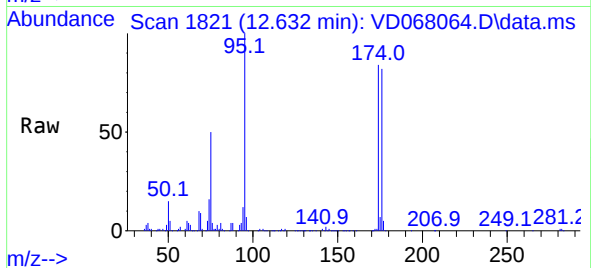




#76  
1,2,3-Trichloropropane  
Concen: 58.36 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.153 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
OK-03-011221

Tgt Ion: 75 Resp: 205961  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 130.95 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.100 min  
Lab File: VD068064.D  
Acq: 13 Jan 2021 12:01

Tgt Ion: 75 Resp: 205961  
Ion Ratio Lower Upper  
75 100  
53 0.0 70.2 105.2#  
89 0.0 40.3 60.5#

