

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080223\  
 Data File : VD076907.D  
 Acq On : 02 Aug 2023 19:31  
 Operator : KP/SY  
 Sample : 03877-04  
 Misc : 5.01G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 COMP-2

Quant Time: Aug 03 01:26:05 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

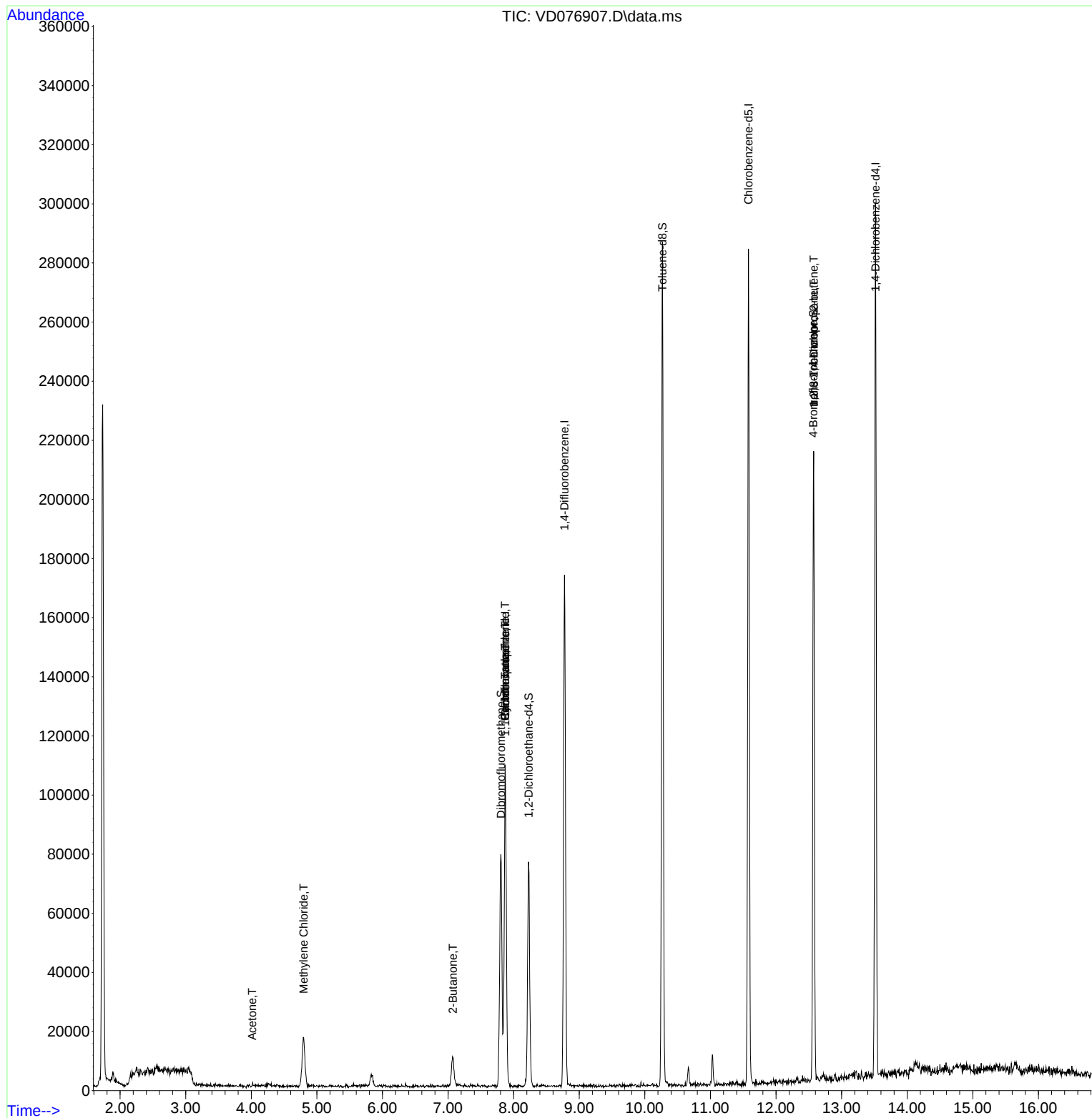
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.869     | 168   | 79551    | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.775     | 114   | 160190   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 165956   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 78177    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228     | 65    | 55508    | 70.055   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 140.100% |          |
| 35) Dibromofluoromethane      | 7.810     | 113   | 58199    | 57.815   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 115.620% |          |
| 50) Toluene-d8                | 10.269    | 98    | 199896   | 55.509   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 111.020% |          |
| 62) 4-Bromofluorobenzene      | 12.569    | 95    | 67569    | 58.000   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 116.000% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 4.016     | 43    | 369      | 1.950    | ug/l       | # 32     |
| 20) Methylene Chloride        | 4.799     | 84    | 13816    | 2.471    | ug/l       | 89       |
| 25) 2-Butanone                | 7.075     | 43    | 385      | 1.520    | ug/l       | # 37     |
| 31) Cyclohexane               | 7.869     | 56    | 1729     | 1.483    | ug/l       | # 30     |
| 36) 1,1-Dichloropropene       | 7.875     | 75    | 6531     | 4.965    | ug/l       | # 43     |
| 38) Carbon Tetrachloride      | 7.869     | 117   | 8370     | 6.645    | ug/l       | # 15     |
| 76) 1,2,3-Trichloropropane    | 12.575    | 75    | 34899    | 46.942   | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.575    | 75    | 34899    | 99.904   | ug/l       | # 17     |
| -----                         |           |       |          |          |            |          |

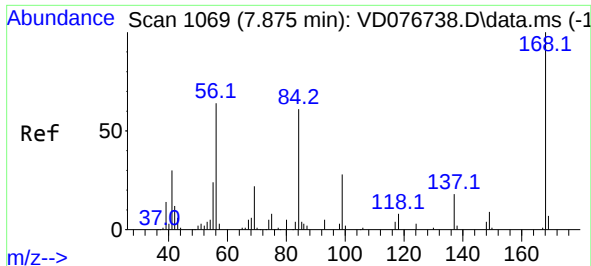
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080223\  
Data File : VD076907.D  
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Sample : 03877-04  
Misc : 5.01G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-2

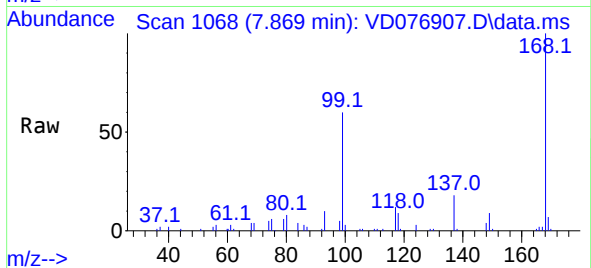
Quant Time: Aug 03 01:26:05 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 17 08:07:52 2023  
Response via : Initial Calibration



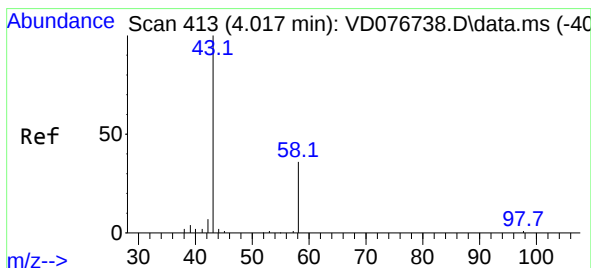
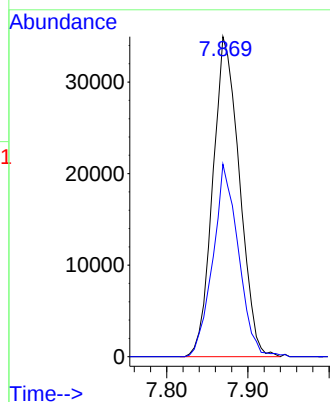
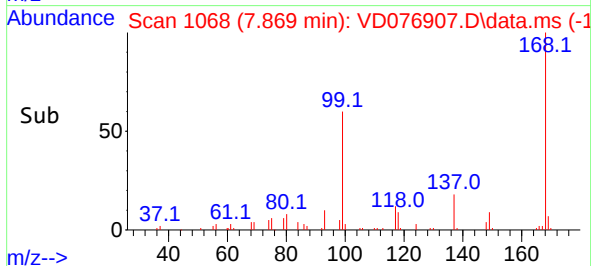


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.869 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

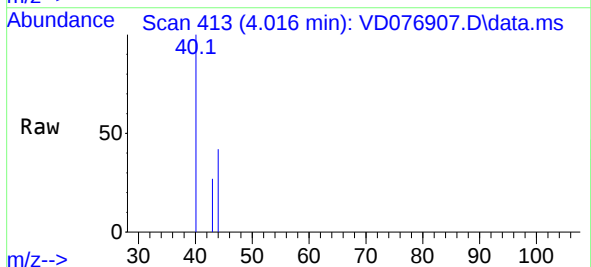
Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-2



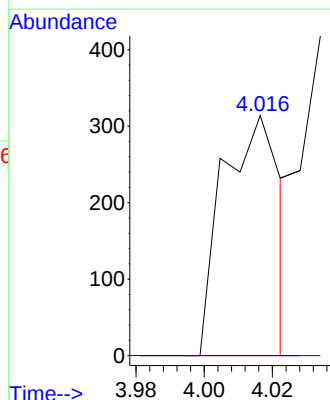
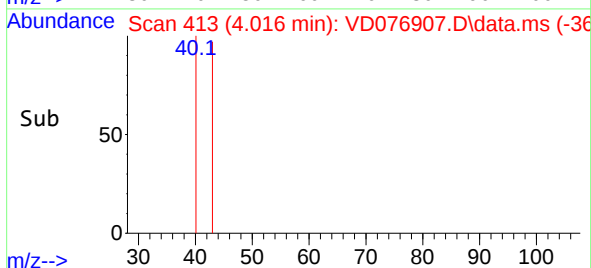
Tgt Ion:168 Resp: 79551  
Ion Ratio Lower Upper  
168 100  
99 60.2 36.7 55.1#

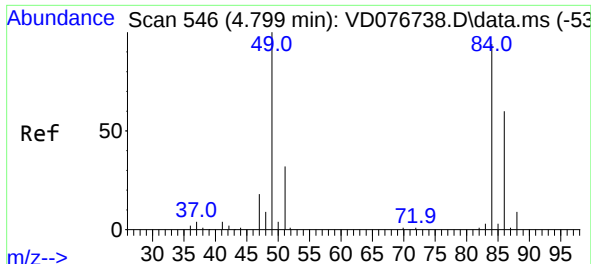


#16  
Acetone  
Concen: 1.950 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. -0.001 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31



Tgt Ion: 43 Resp: 369  
Ion Ratio Lower Upper  
43 100  
58 0.0 34.7 52.1#



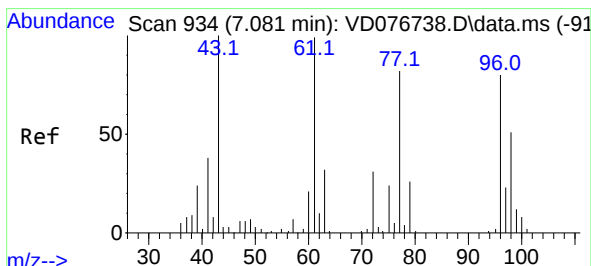
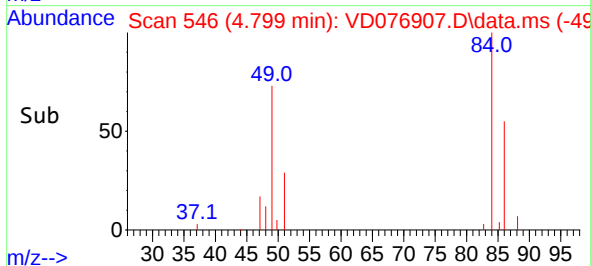
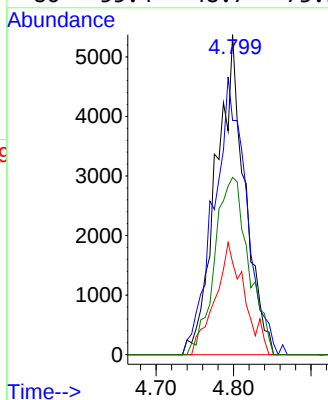
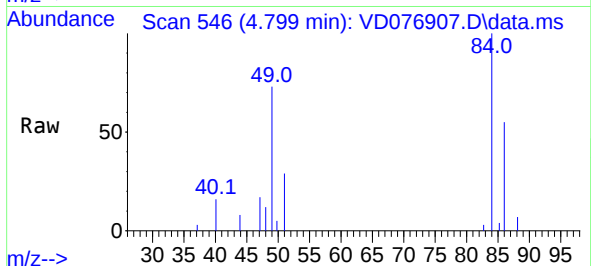


#20  
Methylene Chloride  
Concen: 2.471 ug/l  
RT: 4.799 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-2

Tgt Ion: 84 Resp: 13816

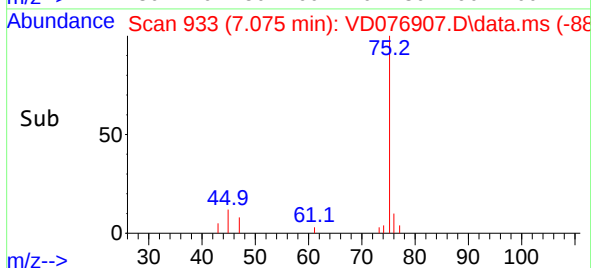
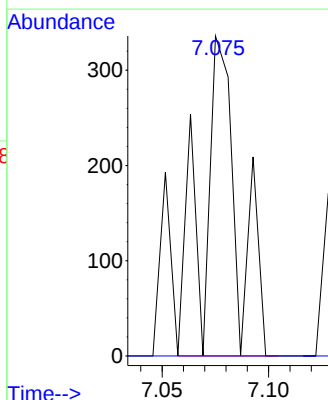
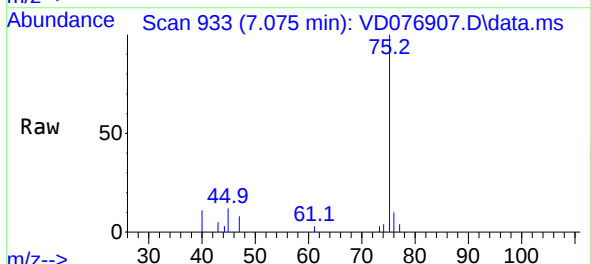
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 73.2  | 71.4  | 107.2 |
| 51  | 28.8  | 24.5  | 36.7  |
| 86  | 55.4  | 48.7  | 73.1  |

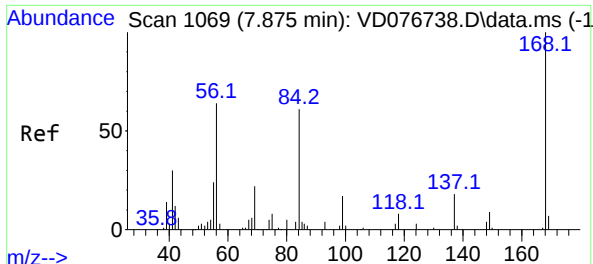


#25  
2-Butanone  
Concen: 1.520 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

Tgt Ion: 43 Resp: 385

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 30.7  | 46.1# |





#31

Cyclohexane

Concen: 1.483 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076907.D

Acq: 02 Aug 2023 19:31

Instrument :

MSVOA\_D

ClientSampleId :

COMP-2

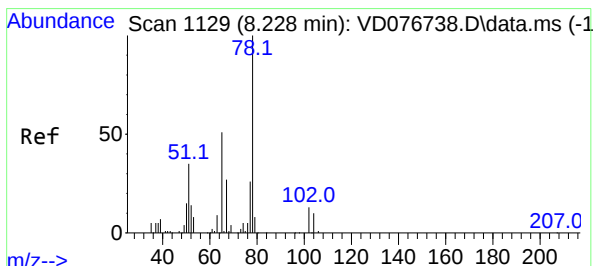
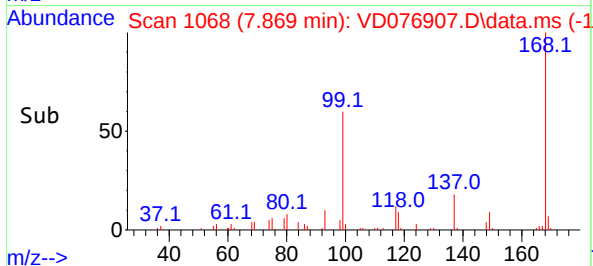
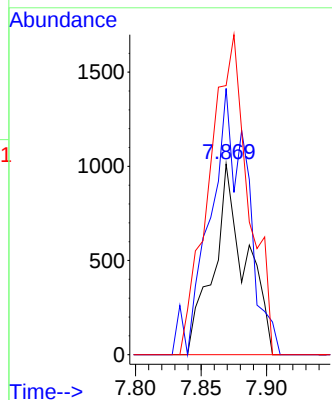
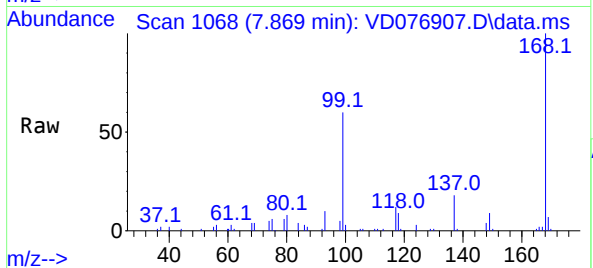
Tgt Ion: 56 Resp: 1729

Ion Ratio Lower Upper

56 100

69 139.6 28.6 43.0#

84 141.1 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 70.055 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076907.D

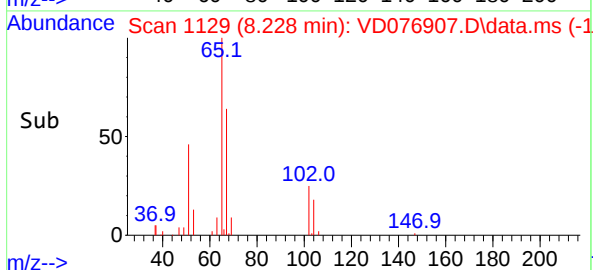
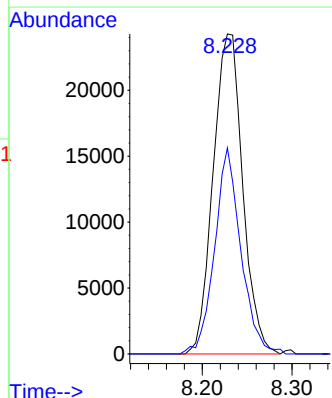
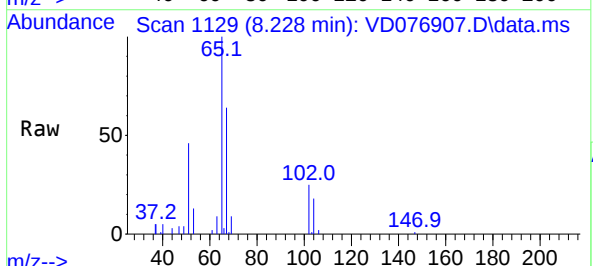
Acq: 02 Aug 2023 19:31

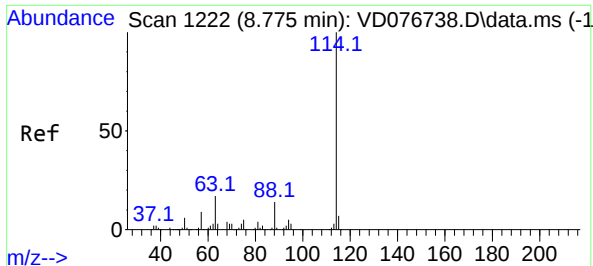
Tgt Ion: 65 Resp: 55508

Ion Ratio Lower Upper

65 100

67 57.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076907.D

Acq: 02 Aug 2023 19:31

Instrument :

MSVOA\_D

ClientSampleId :

COMP-2

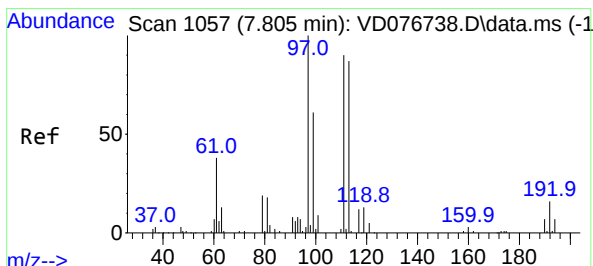
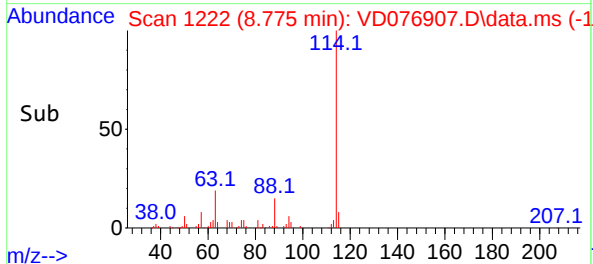
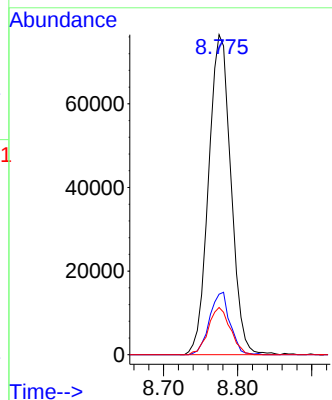
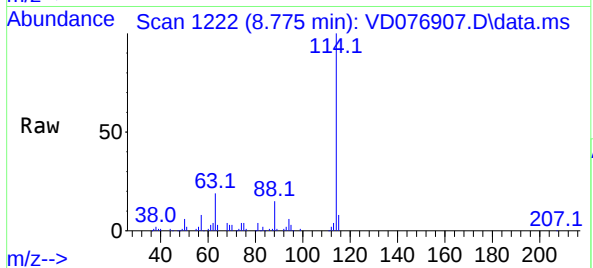
Tgt Ion:114 Resp: 160190

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 14.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 57.815 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD076907.D

Acq: 02 Aug 2023 19:31

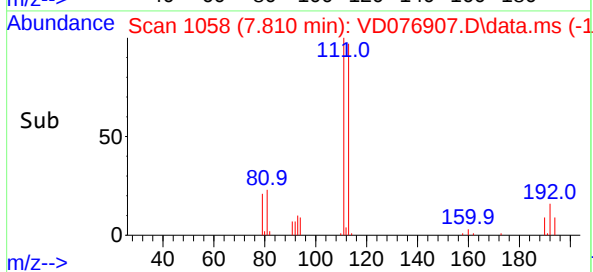
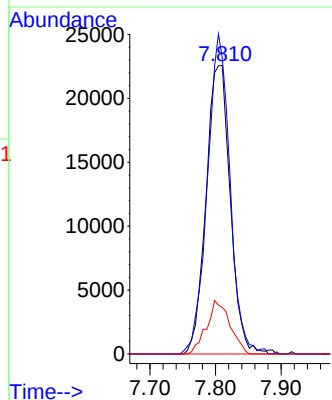
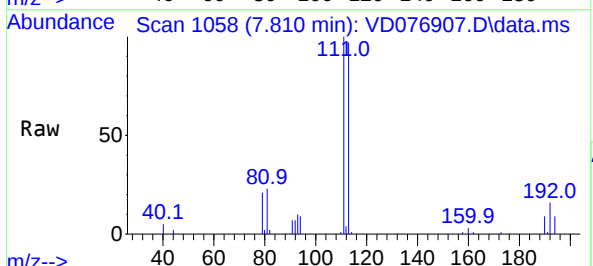
Tgt Ion:113 Resp: 58199

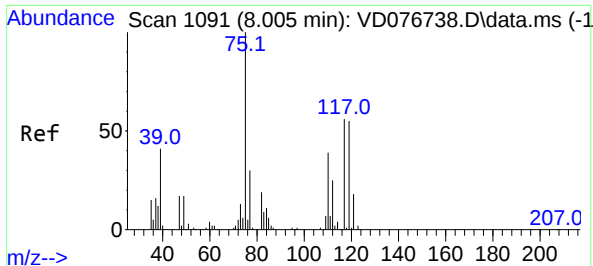
Ion Ratio Lower Upper

113 100

111 103.2 84.7 127.1

192 17.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076907.D

Acq: 02 Aug 2023 19:31

Instrument :

MSVOA\_D

ClientSampleId :

COMP-2

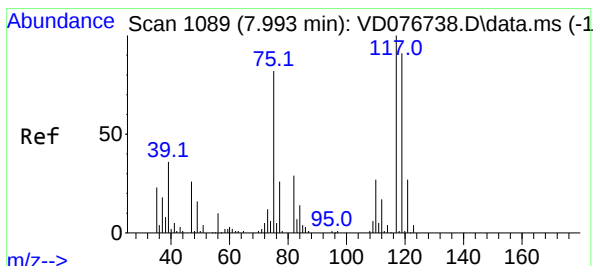
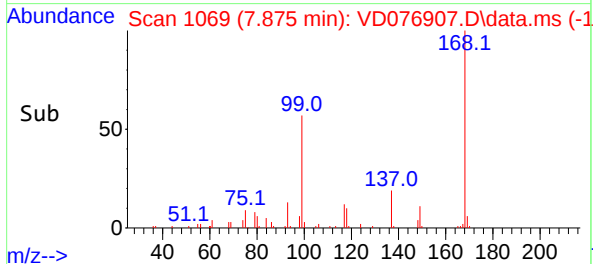
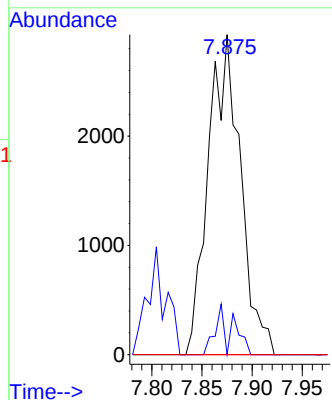
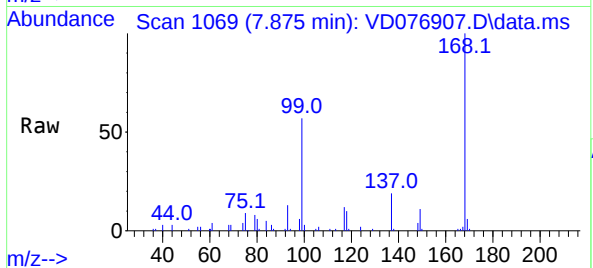
Tgt Ion: 75 Resp: 6531

Ion Ratio Lower Upper

75 100

110 4.3 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.645 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076907.D

Acq: 02 Aug 2023 19:31

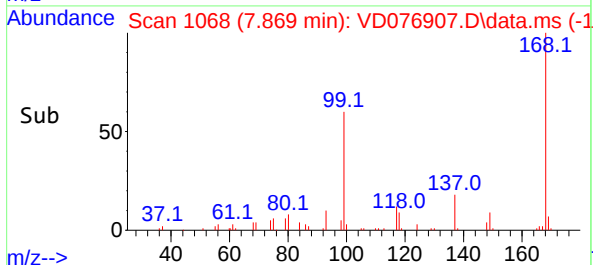
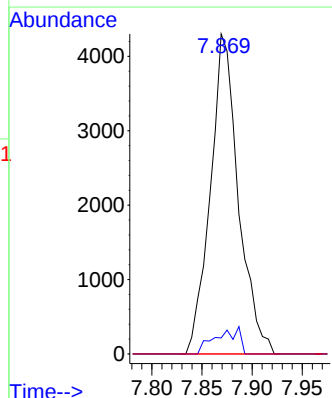
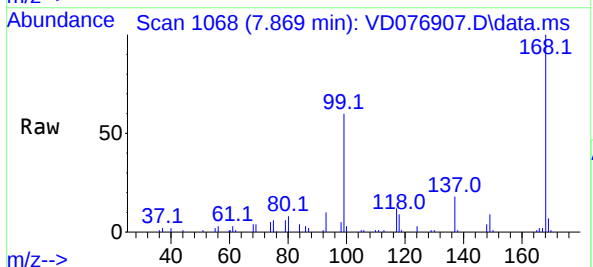
Tgt Ion: 117 Resp: 8370

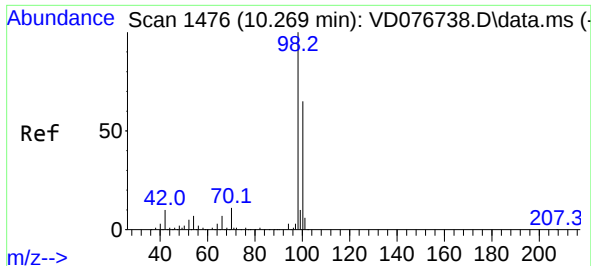
Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

121 0.0 24.2 36.2#

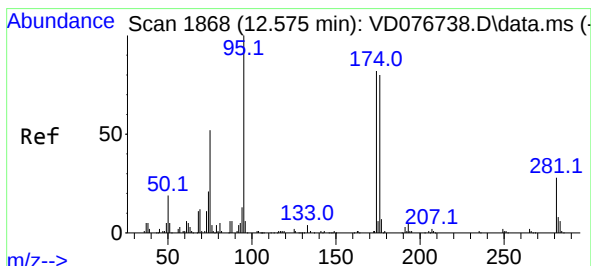
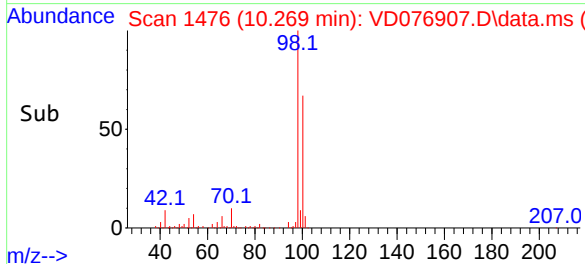
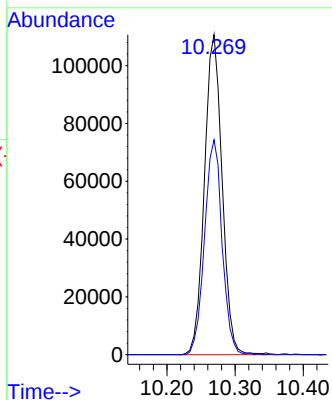
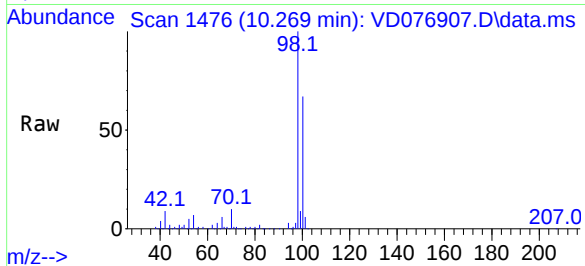




#50  
Toluene-d8  
Concen: 55.509 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

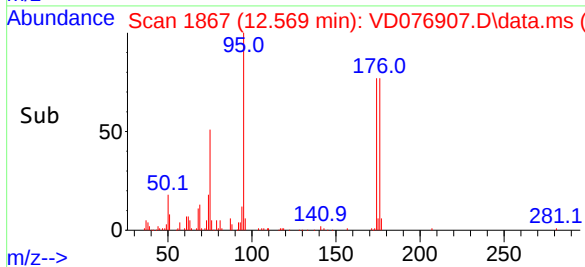
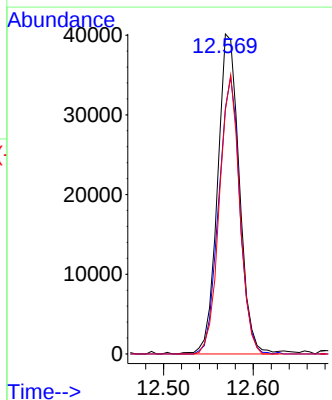
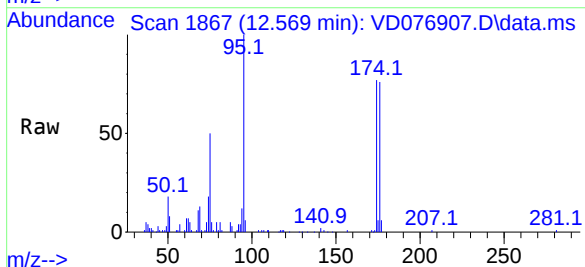
Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-2

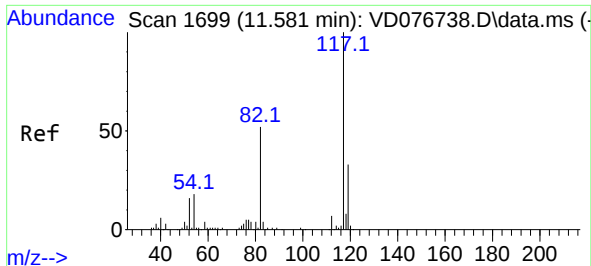
Tgt Ion: 98 Resp: 199896  
Ion Ratio Lower Upper  
98 100  
100 66.6 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 58.000 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

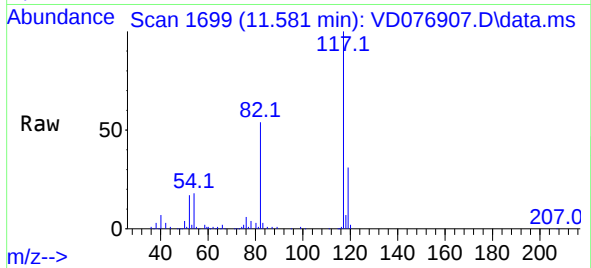
Tgt Ion: 95 Resp: 67569  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 201.8  
176 80.6 0.0 191.8



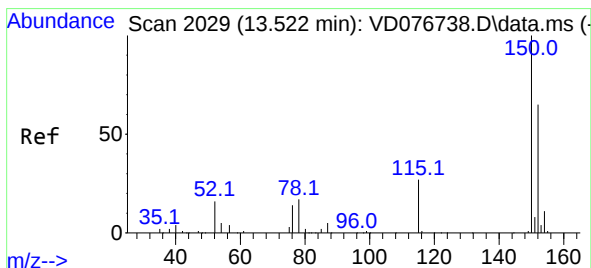
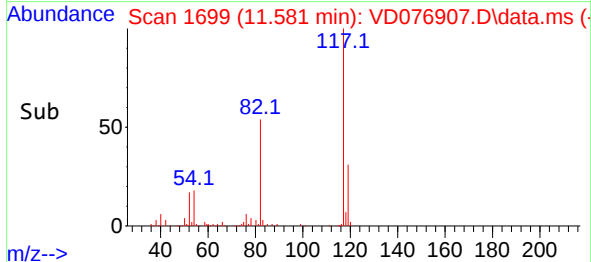
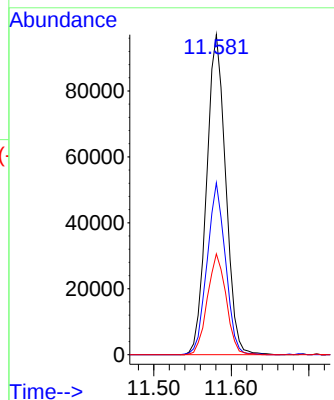


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-2

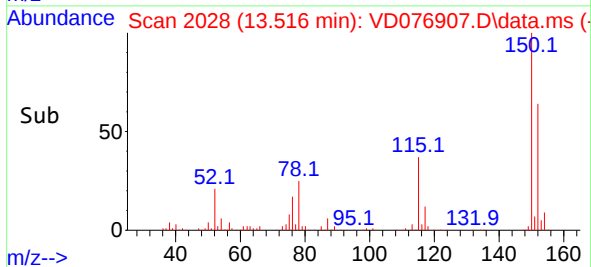
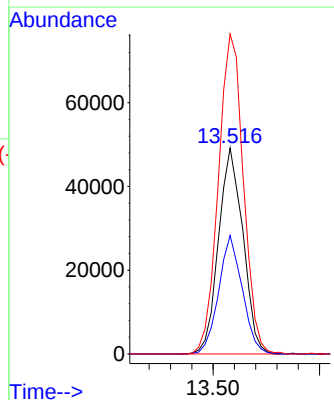
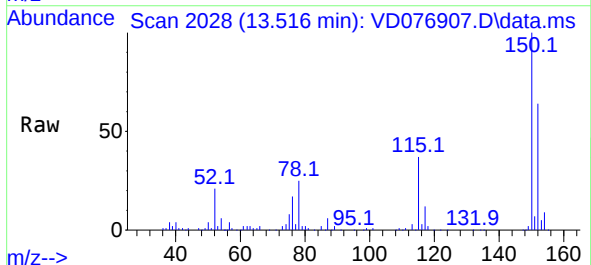


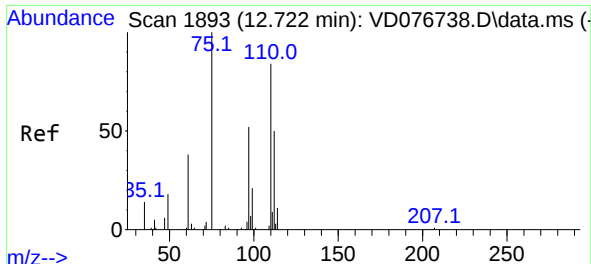
Tgt Ion:117 Resp: 165956  
Ion Ratio Lower Upper  
117 100  
82 53.7 38.3 57.5  
119 31.5 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

Tgt Ion:152 Resp: 78177  
Ion Ratio Lower Upper  
152 100  
115 55.7 27.1 81.3  
150 159.1 0.0 353.6

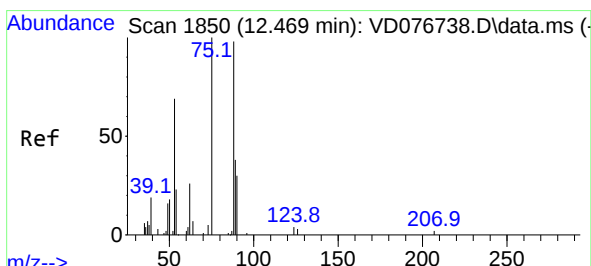
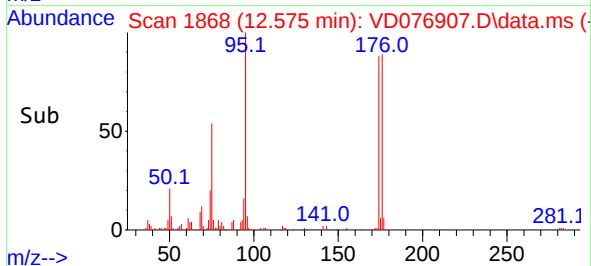
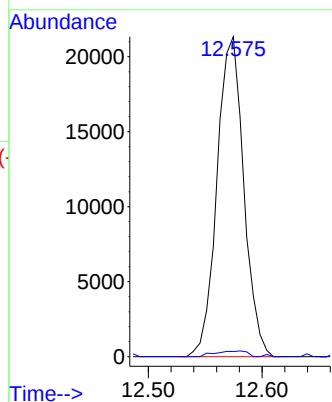
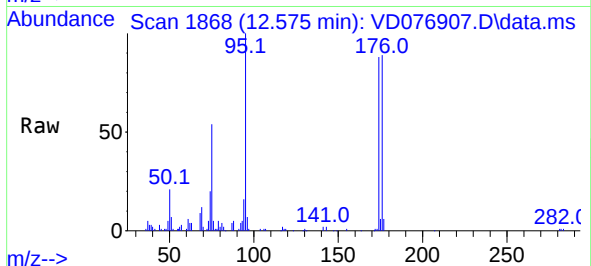




#76  
1,2,3-Trichloropropane  
Concen: 46.942 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-2

Tgt Ion: 75 Resp: 34899  
Ion Ratio Lower Upper  
75 100  
77 2.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 99.904 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD076907.D  
Acq: 02 Aug 2023 19:31

Tgt Ion: 75 Resp: 34899  
Ion Ratio Lower Upper  
75 100  
53 0.2 63.0 94.4#  
89 0.0 37.9 56.9#

