

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111022\  
 Data File : VD074867.D  
 Acq On : 10 Nov 2022 14:57  
 Operator : VA/SY  
 Sample : N5505-01RE  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HD-2-110722

Quant Time: Nov 10 16:59:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 Response via : Initial Calibration

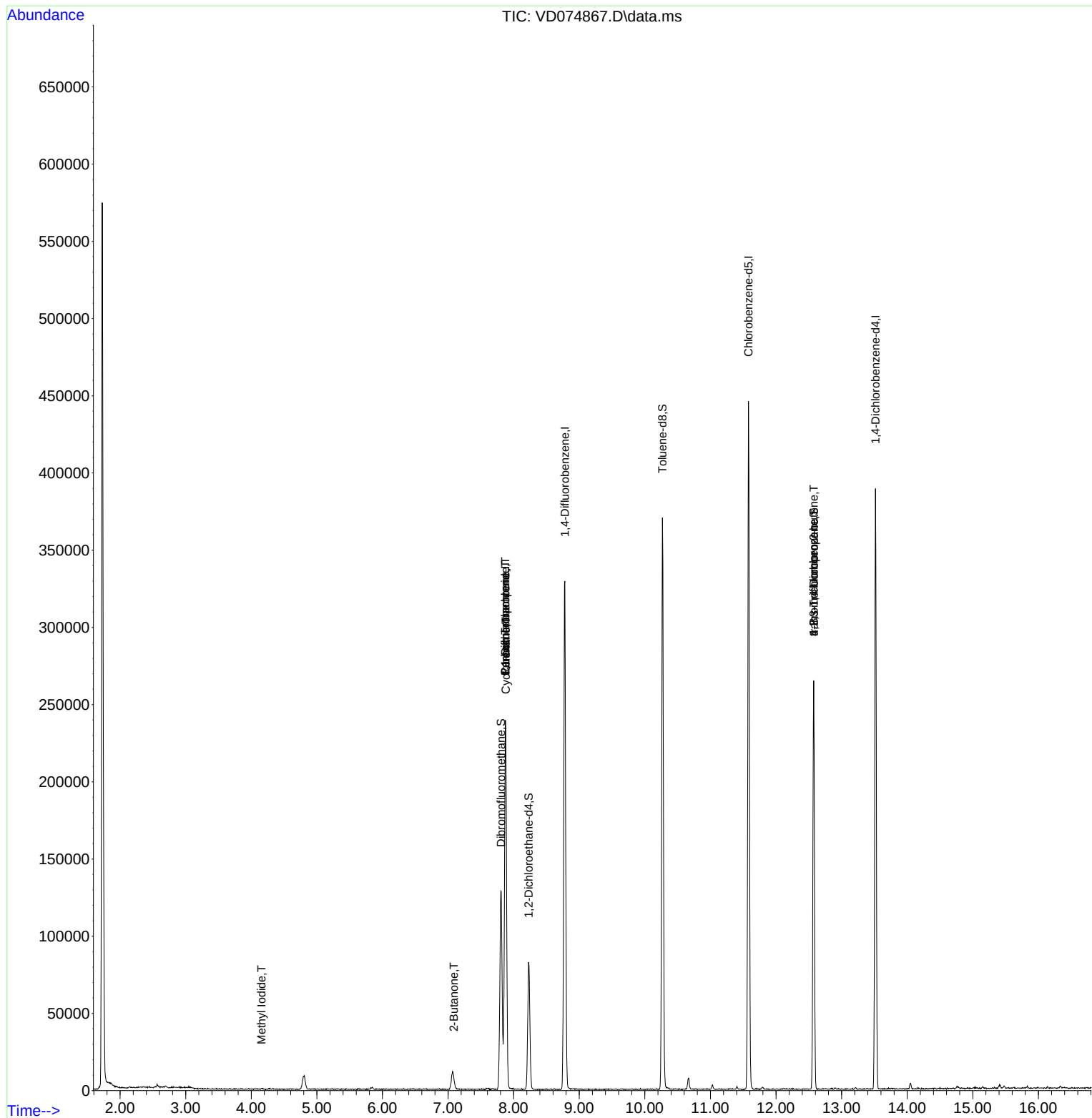
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 192489   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 312524   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 273603   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 110648   | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 65190    | 42.760    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 85.520%  |
| 35) Dibromofluoromethane      | 7.810  | 113   | 97218    | 52.587    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 105.180% |
| 50) Toluene-d8                | 10.269 | 98    | 269043   | 39.896    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 79.800%  |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 82166    | 42.200    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 84.400%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.158  | 142   | 285      | 5.652     | ug/l # | 70       |
| 20) Methylene Chloride        | 4.811  | 84    | 7813     | Below Cal |        | 98       |
| 25) 2-Butanone                | 7.087  | 43    | 653      | 1.493     | ug/l # | 42       |
| 31) Cyclohexane               | 7.881  | 56    | 3591     | 1.163     | ug/l # | 9        |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 13506    | 4.813     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 18733    | 7.046     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 39721    | 46.308    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 39721    | 109.925   | ug/l # | 17       |
| -----                         |        |       |          |           |        |          |

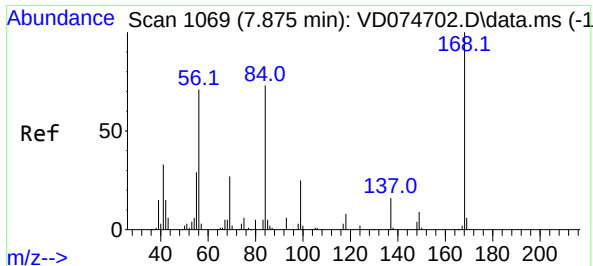
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N5505-01RE  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-2-110722

Quant Time: Nov 10 16:59:19 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 03 02:30:45 2022  
Response via : Initial Calibration

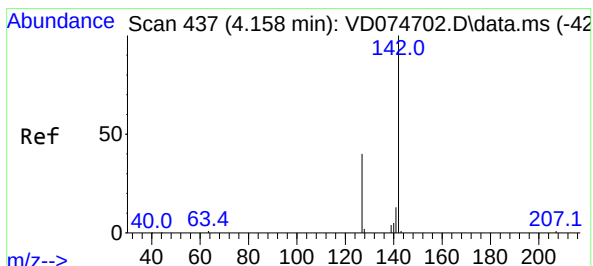
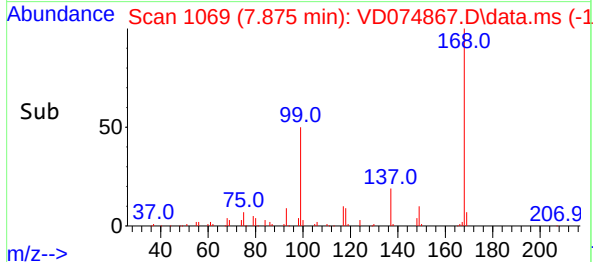
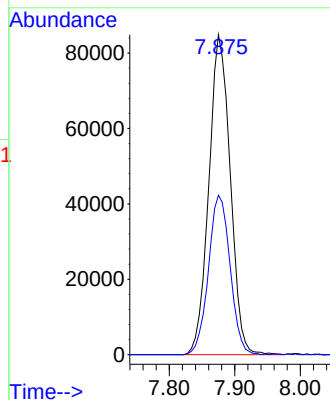
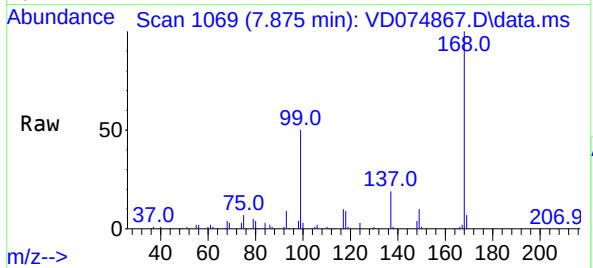




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

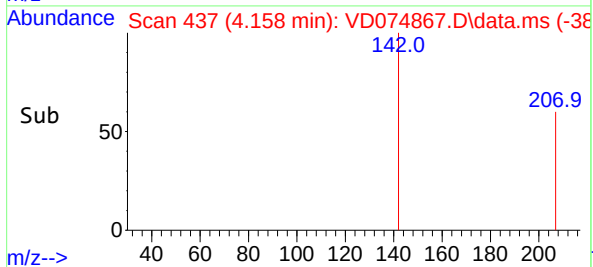
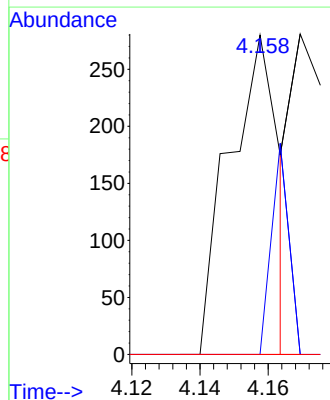
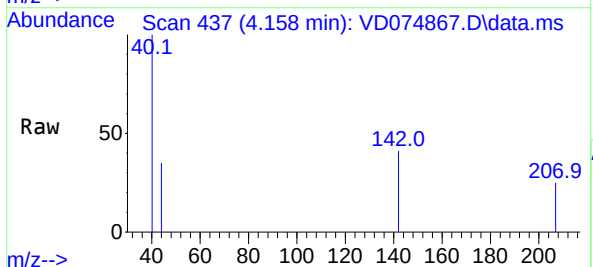
Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-2-110722

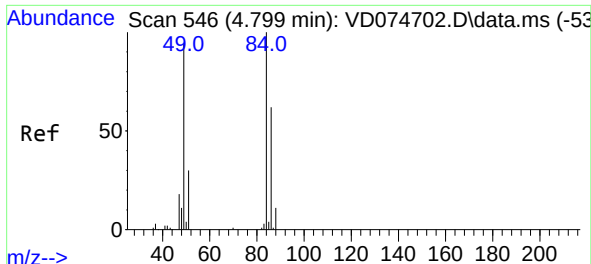
Tgt Ion:168 Resp: 192489  
Ion Ratio Lower Upper  
168 100  
99 49.9 40.9 61.3



#10  
Methyl Iodide  
Concen: 5.652 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

Tgt Ion:142 Resp: 285  
Ion Ratio Lower Upper  
142 100  
127 22.8 31.9 47.9#  
141 0.0 11.4 17.2#



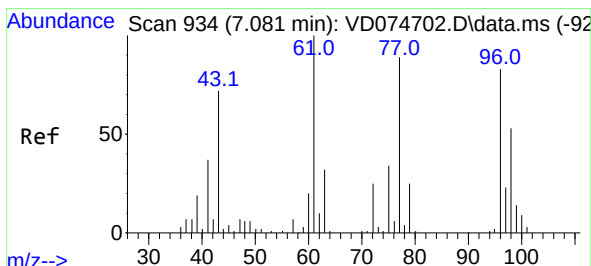
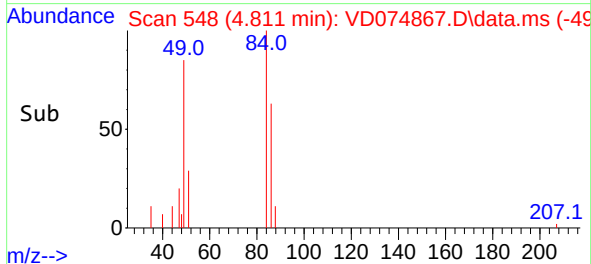
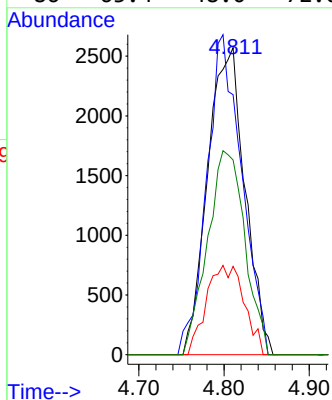
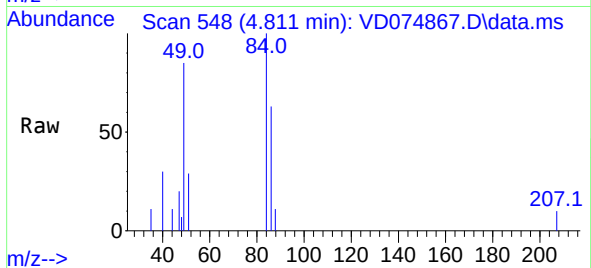


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.811 min Scan# 546  
Delta R.T. 0.012 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-2-110722

Tgt Ion: 84 Resp: 7813

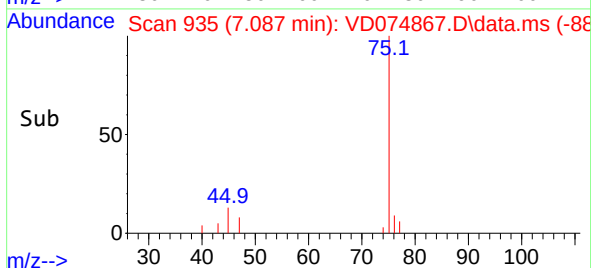
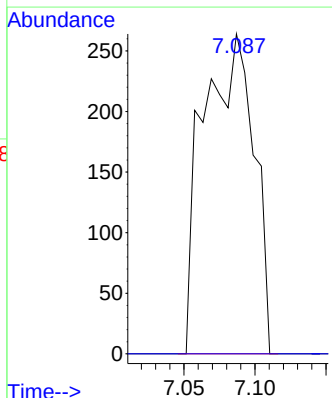
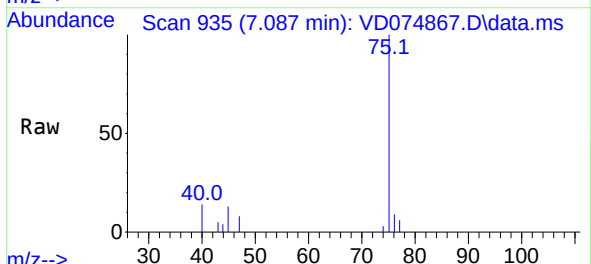
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 84.7  | 68.0  | 102.0 |
| 51  | 28.8  | 23.2  | 34.8  |
| 86  | 63.4  | 48.0  | 72.0  |

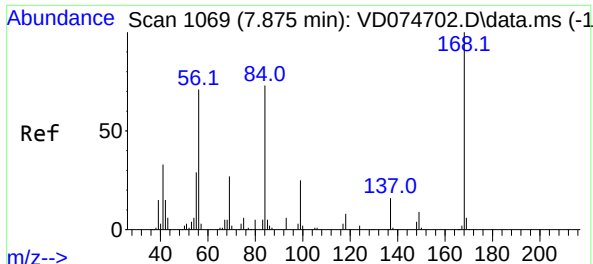


#25  
2-Butanone  
Concen: 1.493 ug/l  
RT: 7.087 min Scan# 935  
Delta R.T. 0.006 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

Tgt Ion: 43 Resp: 653

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 25.8  | 38.8# |





#31

Cyclohexane

Concen: 1.163 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD074867.D

Acq: 10 Nov 2022 14:57

Instrument :

MSVOA\_D

ClientSampleId :

HD-2-110722

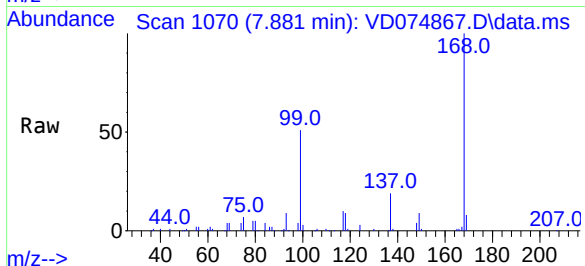
Tgt Ion: 56 Resp: 3591

Ion Ratio Lower Upper

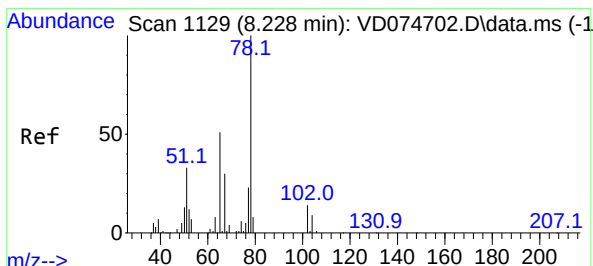
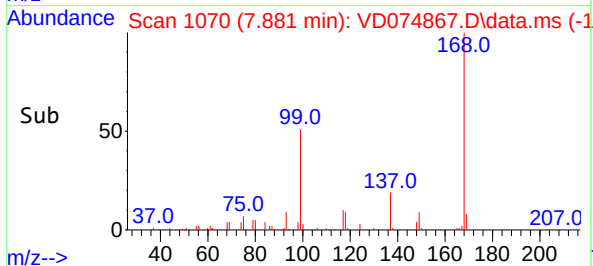
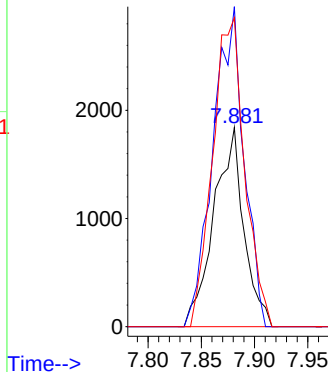
56 100

69 160.6 29.2 43.8#

84 155.0 83.4 125.2#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 42.760 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074867.D

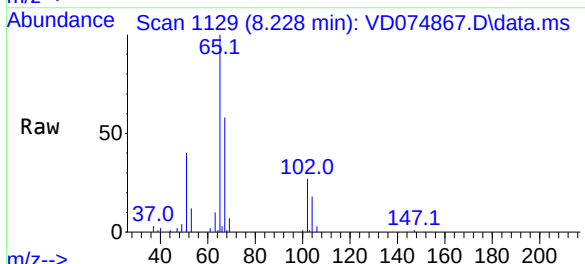
Acq: 10 Nov 2022 14:57

Tgt Ion: 65 Resp: 65190

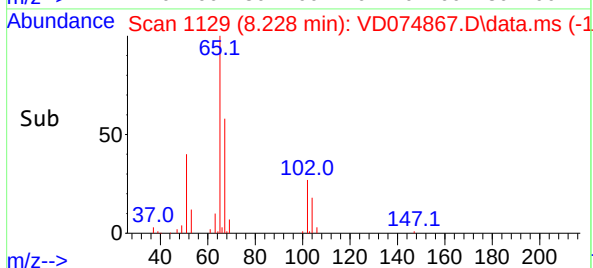
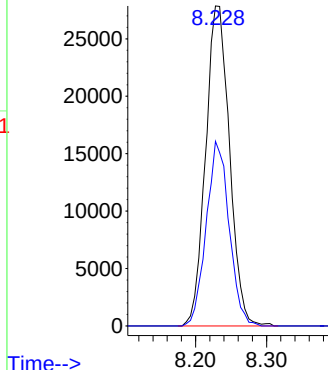
Ion Ratio Lower Upper

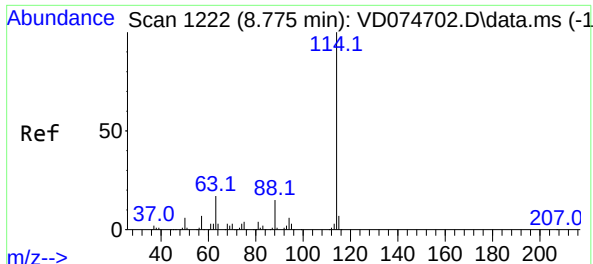
65 100

67 55.2 0.0 110.2



Abundance





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074867.D

Acq: 10 Nov 2022 14:57

Instrument :

MSVOA\_D

ClientSampleId :

HD-2-110722

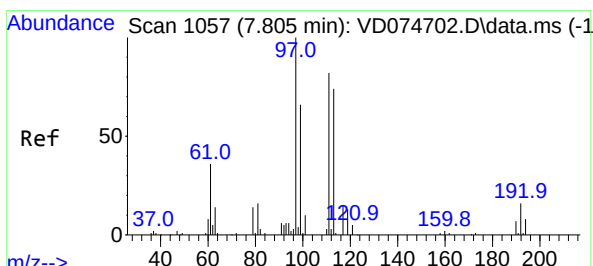
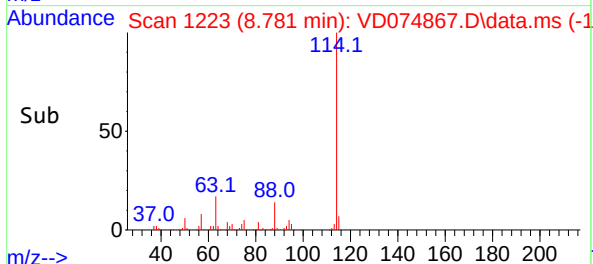
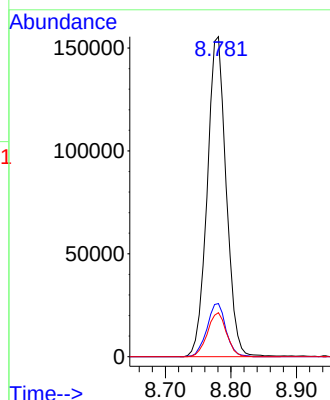
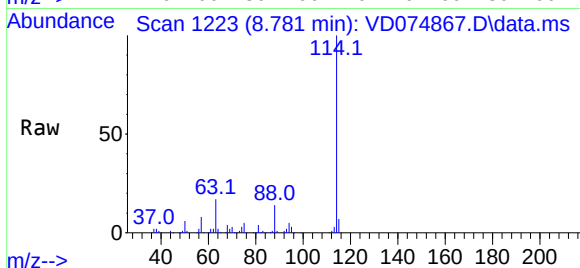
Tgt Ion:114 Resp: 312524

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 13.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 52.587 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074867.D

Acq: 10 Nov 2022 14:57

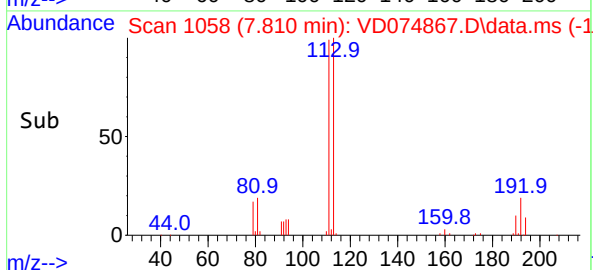
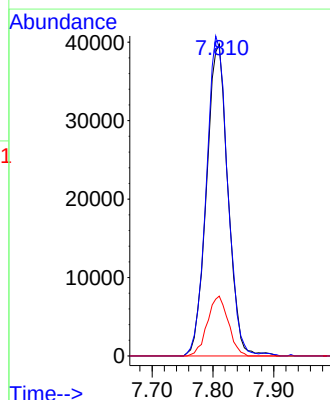
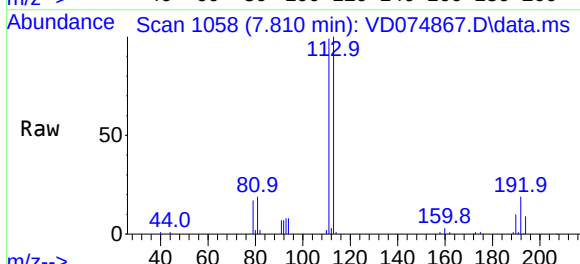
Tgt Ion:113 Resp: 97218

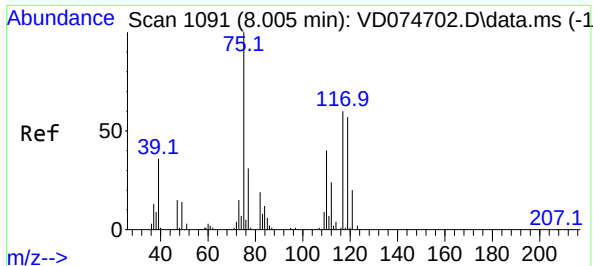
Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

192 18.7 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074867.D

Acq: 10 Nov 2022 14:57

Instrument :

MSVOA\_D

ClientSampleId :

HD-2-110722

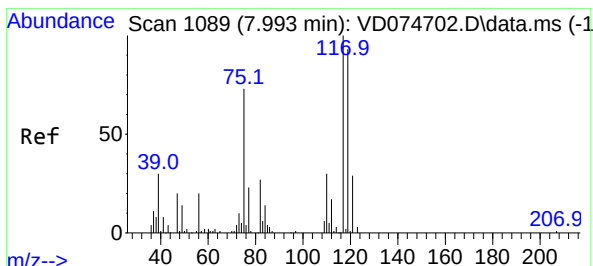
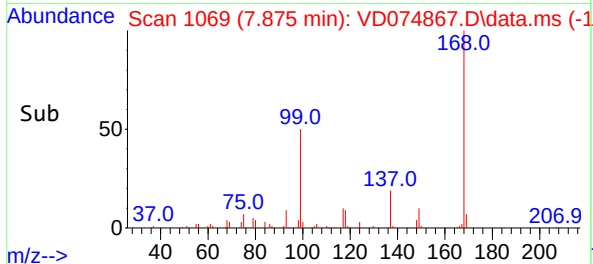
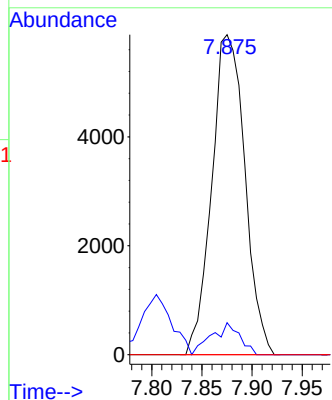
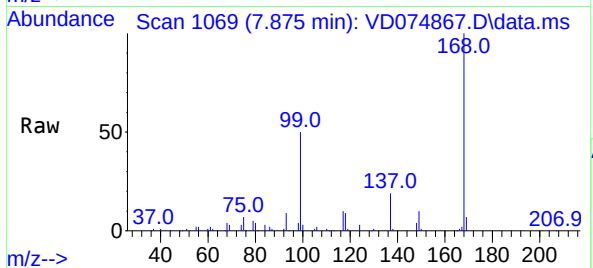
Tgt Ion: 75 Resp: 13506

Ion Ratio Lower Upper

75 100

110 8.5 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 7.046 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074867.D

Acq: 10 Nov 2022 14:57

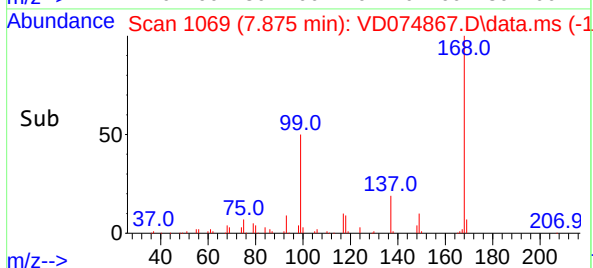
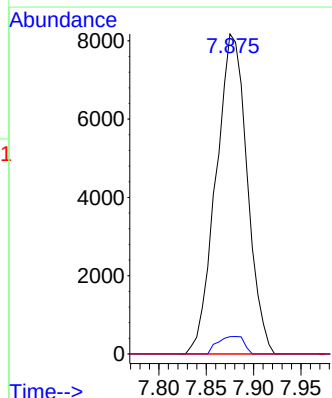
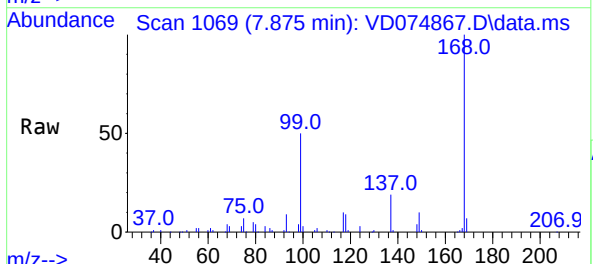
Tgt Ion: 117 Resp: 18733

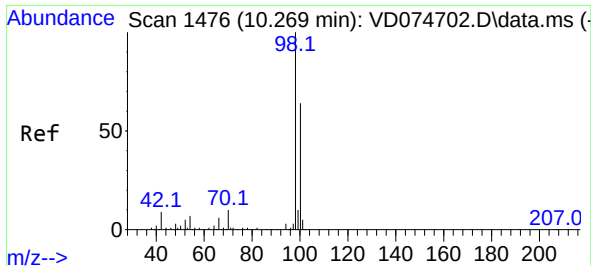
Ion Ratio Lower Upper

117 100

119 5.4 73.1 109.7#

121 0.0 25.0 37.6#

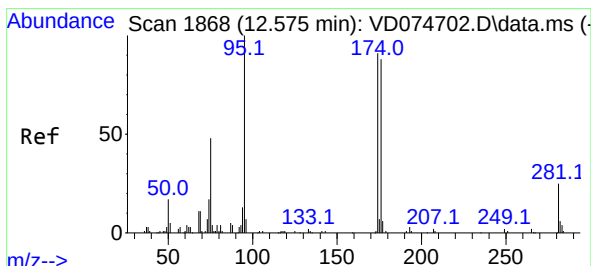
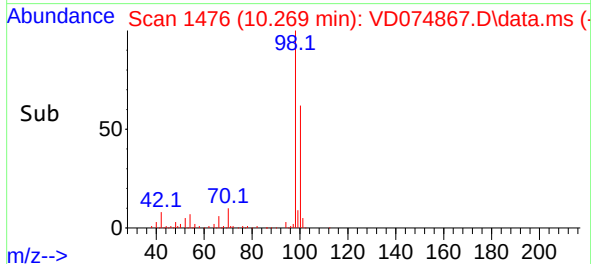
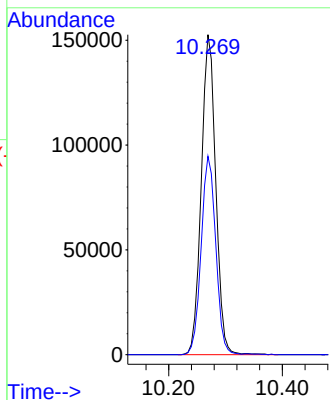
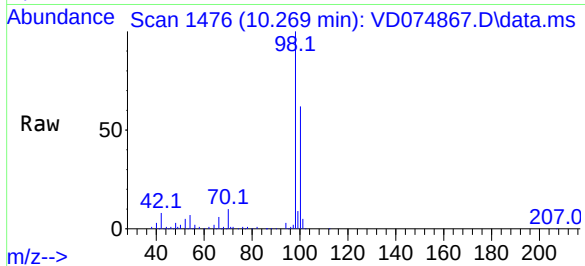




#50  
Toluene-d8  
Concen: 39.896 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

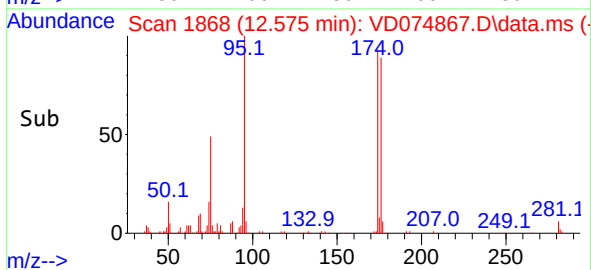
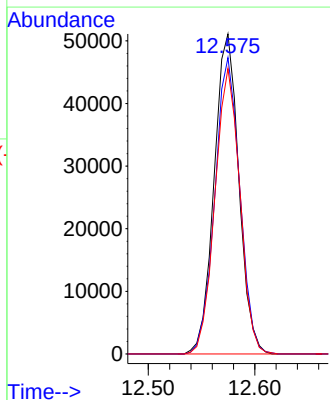
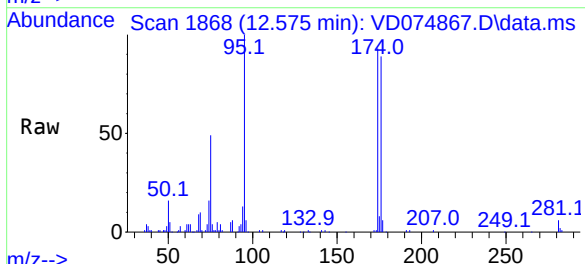
Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-2-110722

Tgt Ion: 98 Resp: 269043  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.4 77.0

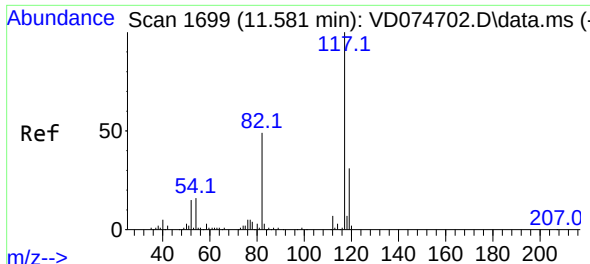


#62  
4-Bromofluorobenzene  
Concen: 42.200 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

Tgt Ion: 95 Resp: 82166  
Ion Ratio Lower Upper  
95 100  
174 93.4 0.0 197.0  
176 89.7 0.0 182.6



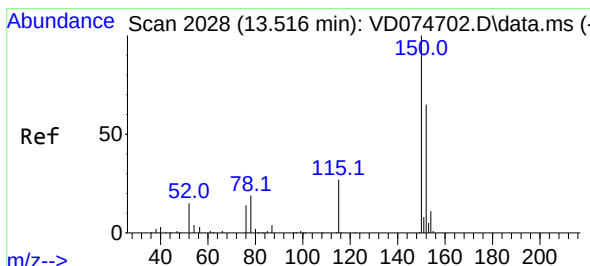
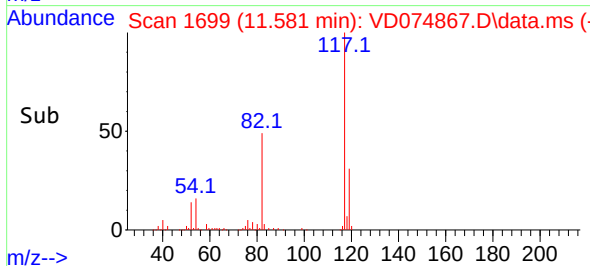
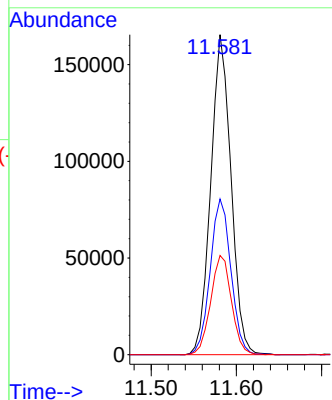
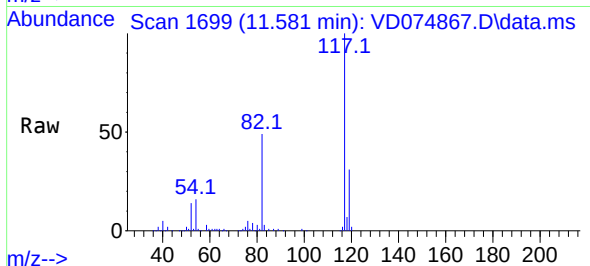




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

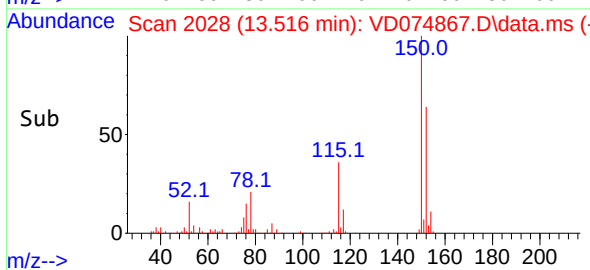
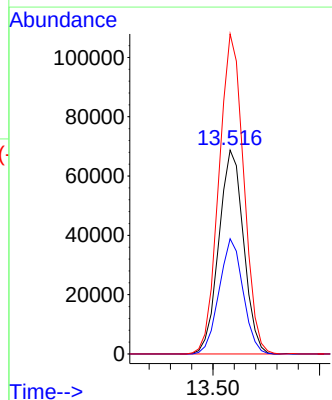
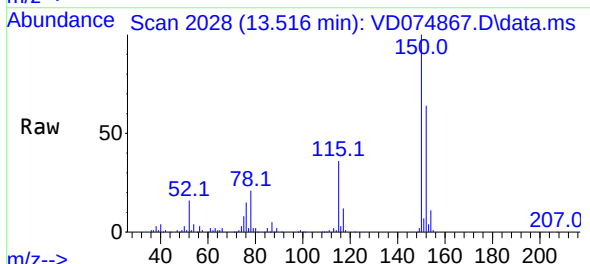
Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-2-110722

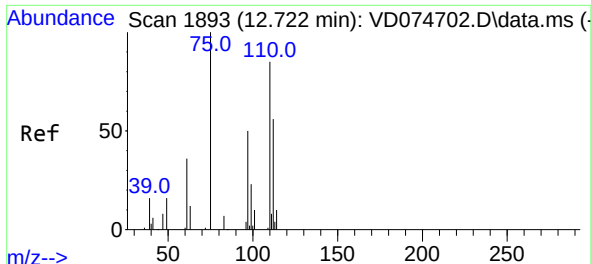
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 273603 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 48.7  | 41.6  | 62.4   |
| 119      | 31.0  | 25.2  | 37.8   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 110648 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 54.6  | 26.8  | 80.4   |
| 150      | 157.2 | 0.0   | 348.2  |

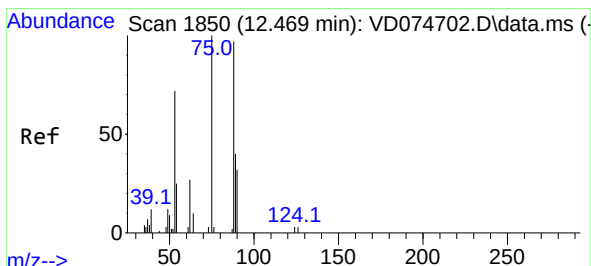
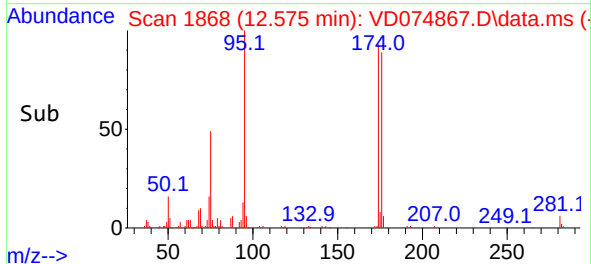
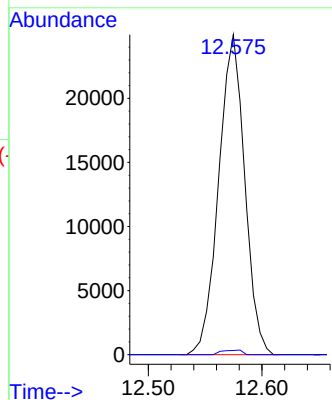
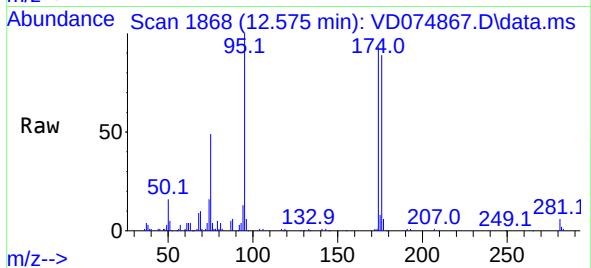




#76  
1,2,3-Trichloropropane  
Concen: 46.308 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-2-110722

Tgt Ion: 75 Resp: 39721  
Ion Ratio Lower Upper  
75 100  
77 1.1 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.925 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD074867.D  
Acq: 10 Nov 2022 14:57

Tgt Ion: 75 Resp: 39721  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

