

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051624\  
 Data File : VD078952.D  
 Acq On : 16 May 2024 18:11  
 Operator : RP/MD  
 Sample : P2496-01  
 Misc : 5.01G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-24376

Quant Time: May 17 06:12:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 06:21:28 2024  
 Response via : Initial Calibration

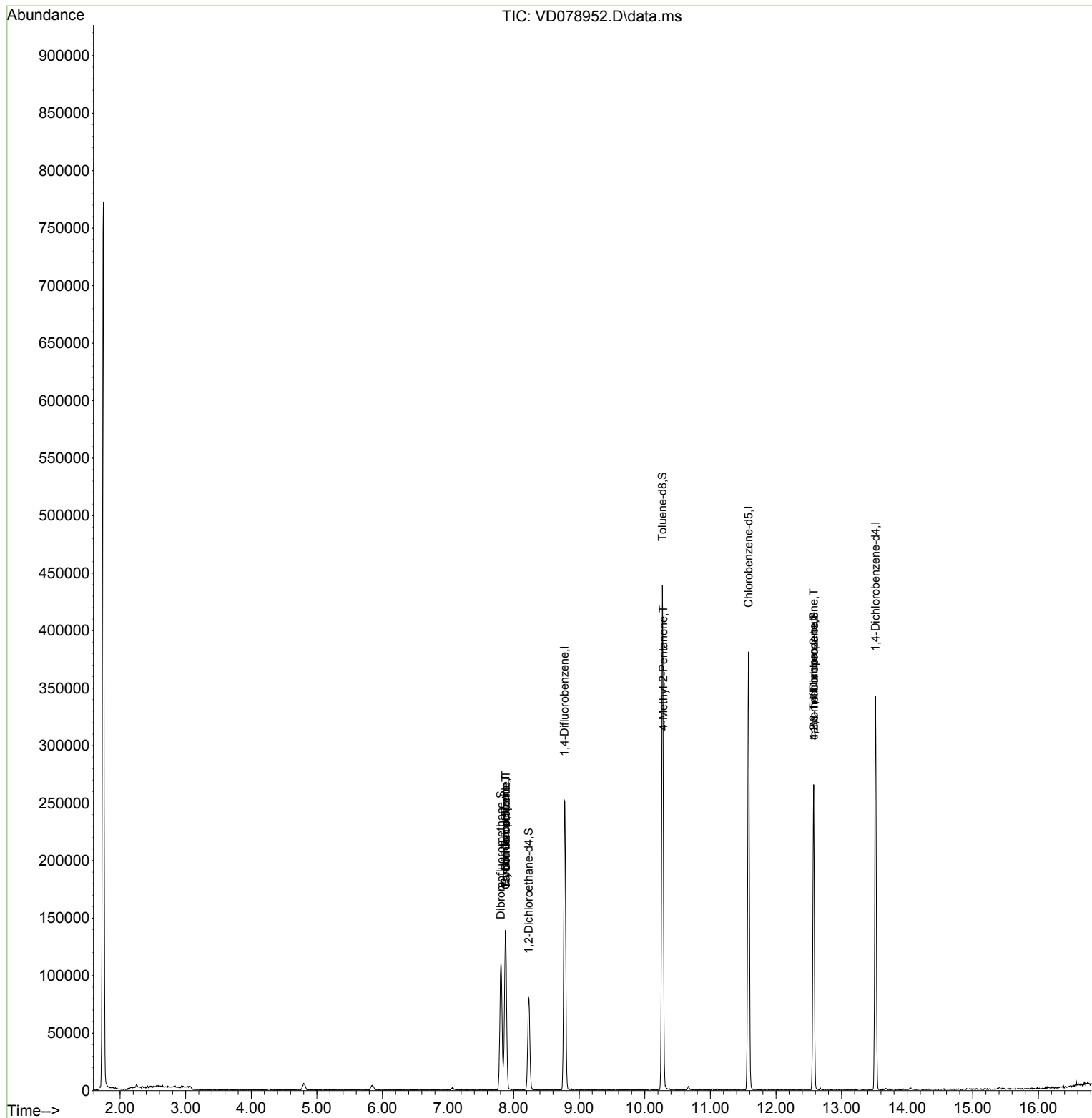
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 111344   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 241677   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 233697   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 97278    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 64511    | 61.768    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 123.540% |          |
| 35) Dibromofluoromethane      | 7.805  | 113   | 83083    | 51.644    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 103.280% |          |
| 50) Toluene-d8                | 10.269 | 98    | 310006   | 51.402    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 102.800% |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 76694    | 45.267    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 90.540%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.158  | 50    | 146      | Below Cal | #          | 40       |
| 5) Bromomethane               | 2.693  | 94    | 57       | Below Cal | #          | 1        |
| 17) Carbon Disulfide          | 4.269  | 76    | 959      | Below Cal | #          | 76       |
| 20) Methylene Chloride        | 4.799  | 84    | 4749     | Below Cal | #          | 88       |
| 31) Cyclohexane               | 7.875  | 56    | 2013     | 1.319     | ug/l #     | 51       |
| 36) 1,1-Dichloropropene       | 7.881  | 75    | 7956     | 3.974     | ug/l #     | 45       |
| 38) Carbon Tetrachloride      | 7.881  | 117   | 11372    | 4.854     | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.281 | 43    | 807      | 1.252     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 39709    | 57.983    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 39709    | 114.981   | ug/l #     | 19       |
| -----                         |        |       |          |           |            |          |

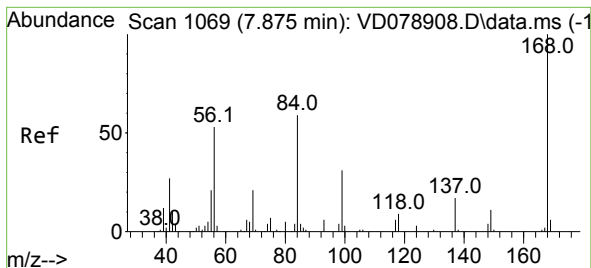
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-24376

Quant Time: May 17 06:12:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 14 06:21:28 2024  
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: VD078952.D

Acq: 16 May 2024 18:11

Instrument :

MSVOA\_D

ClientSampleId :

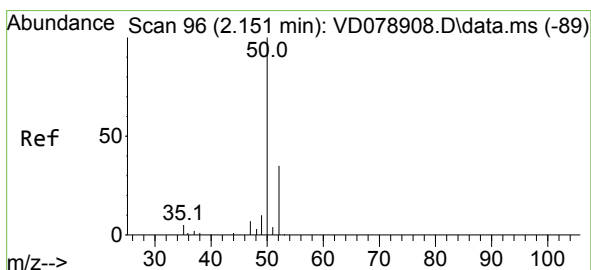
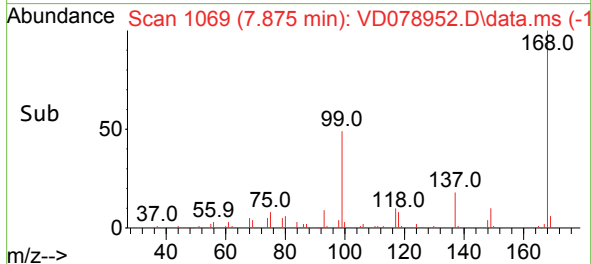
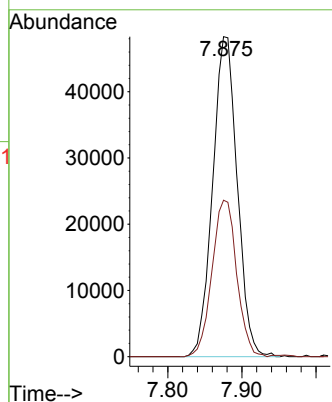
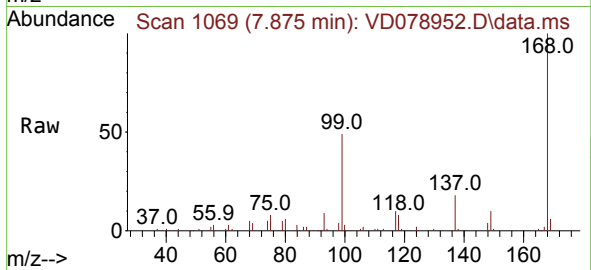
CHRT-24376

Tgt Ion:168 Resp: 111344

Ion Ratio Lower Upper

168 100

99 48.9 41.1 61.7



#3

Chloromethane

Concen: Below Cal

RT: 2.158 min Scan# 97

Delta R.T. 0.007 min

Lab File: VD078952.D

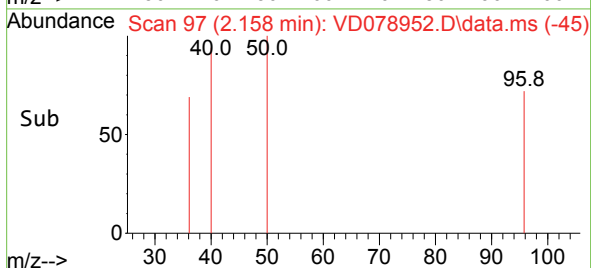
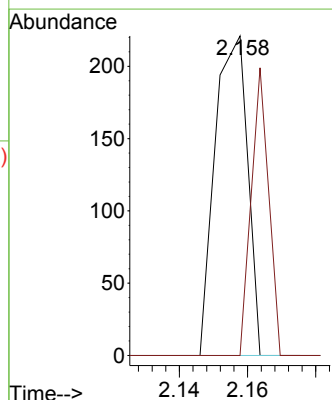
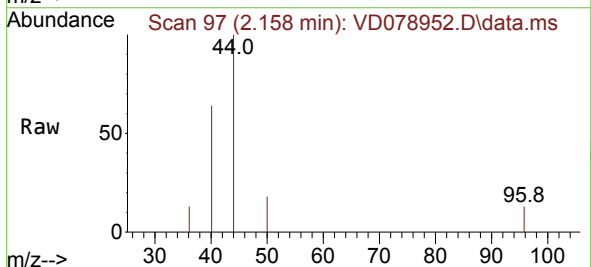
Acq: 16 May 2024 18:11

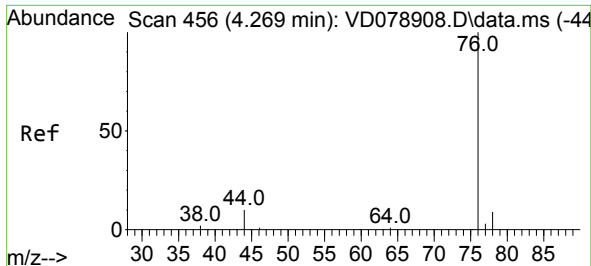
Tgt Ion: 50 Resp: 146

Ion Ratio Lower Upper

50 100

52 0.0 28.2 42.2#

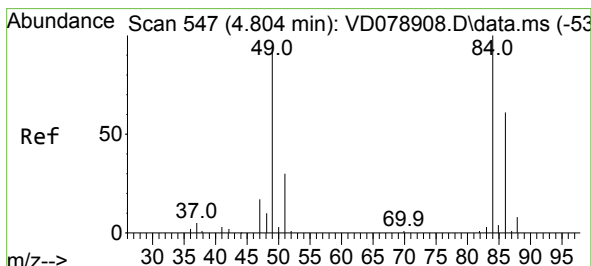
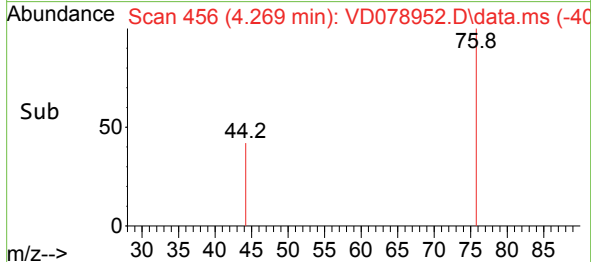
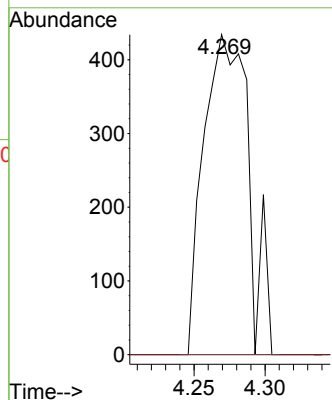
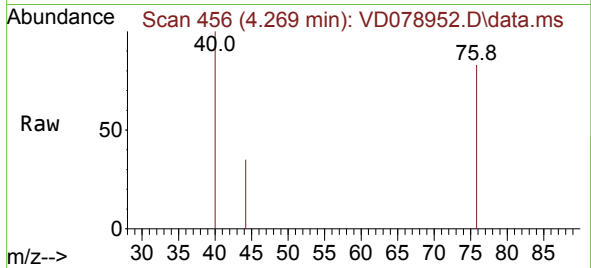




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.269 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

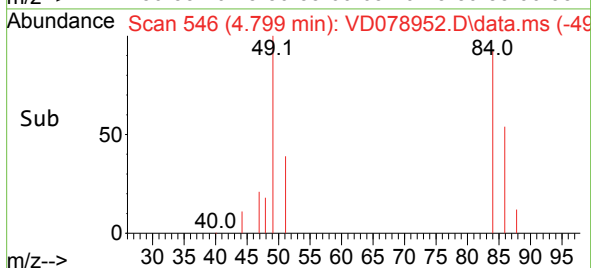
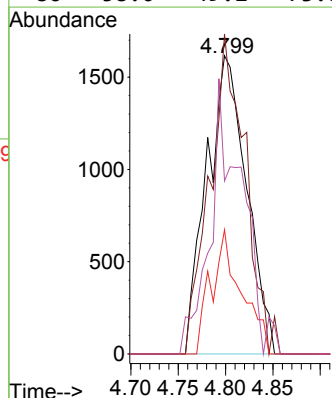
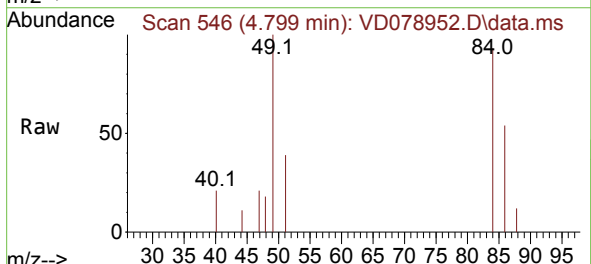
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-24376

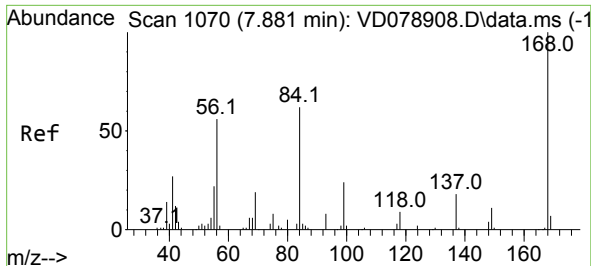
Tgt Ion: 76 Resp: 959  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.9 10.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.799 min Scan# 546  
Delta R.T. -0.005 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

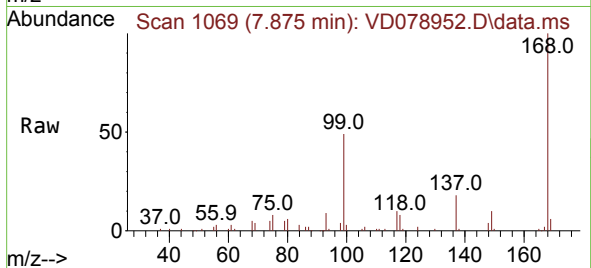
Tgt Ion: 84 Resp: 4749  
Ion Ratio Lower Upper  
84 100  
49 107.3 75.6 113.4  
51 41.6 24.2 36.2#  
86 58.0 49.2 73.8



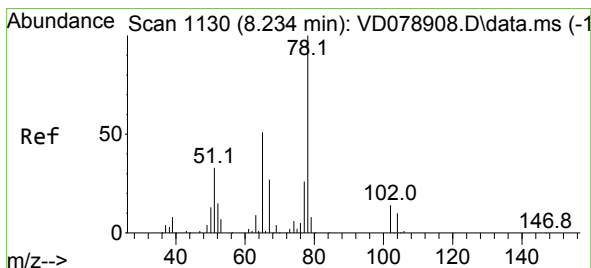
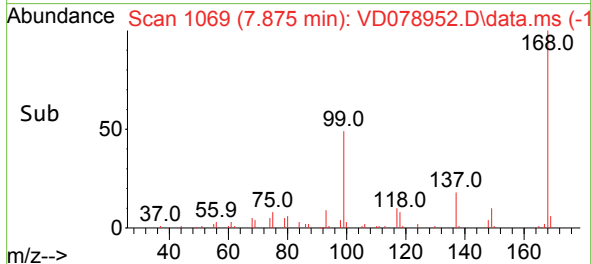
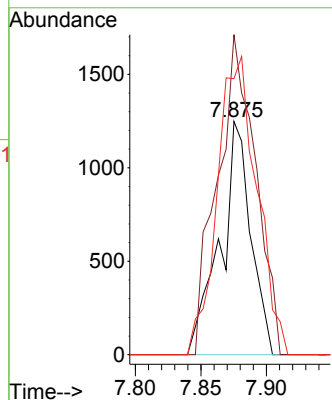


#31  
Cyclohexane  
Concen: 1.319 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.005 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-24376

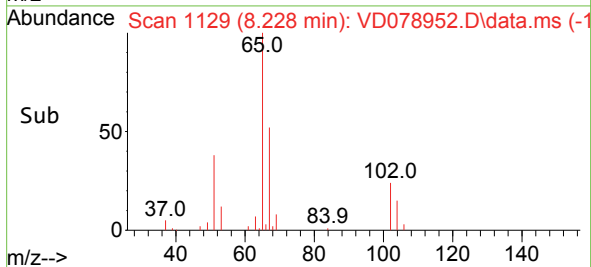
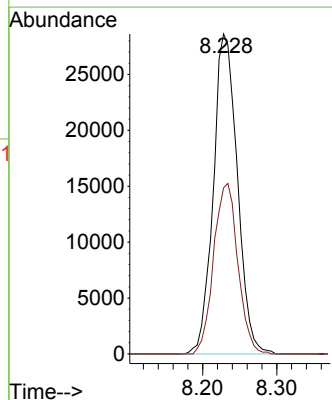
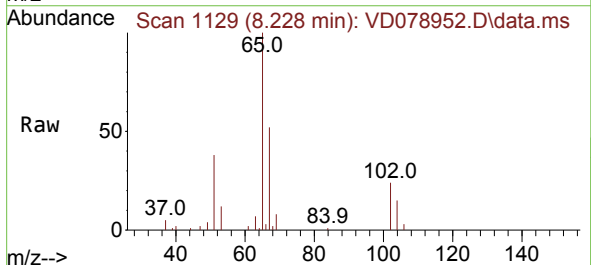


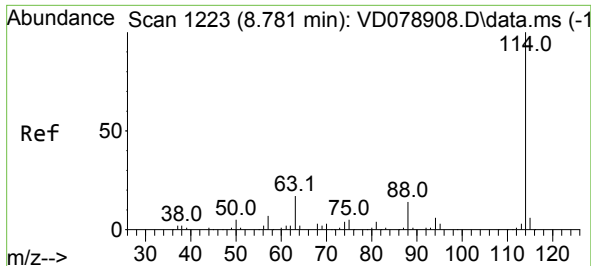
Tgt Ion: 56 Resp: 2013  
Ion Ratio Lower Upper  
56 100  
69 137.2 28.0 42.0#  
84 118.3 87.4 131.0



#33  
1,2-Dichloroethane-d4  
Concen: 61.768 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.005 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

Tgt Ion: 65 Resp: 64511  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD078952.D

Acq: 16 May 2024 18:11

Instrument :

MSVOA\_D

ClientSampleId :

CHRT-24376

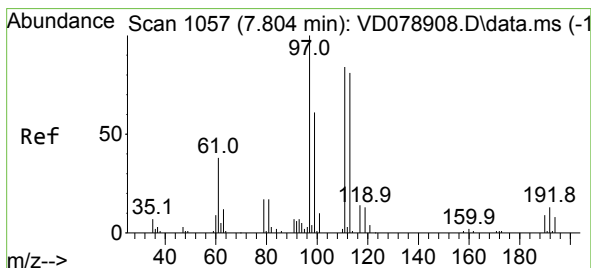
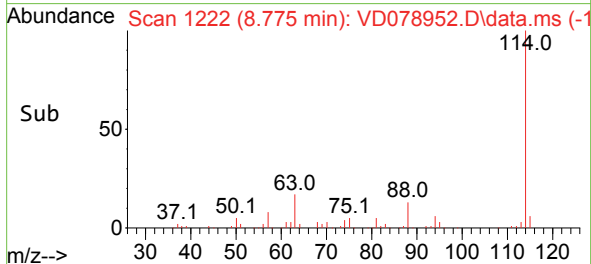
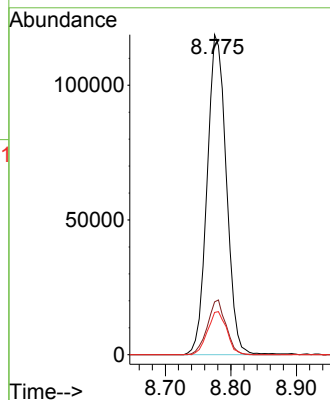
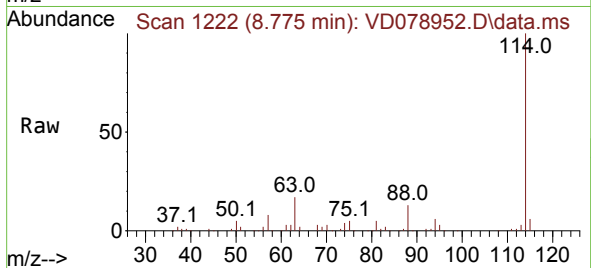
Tgt Ion:114 Resp: 241677

Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.0

88 13.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.644 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078952.D

Acq: 16 May 2024 18:11

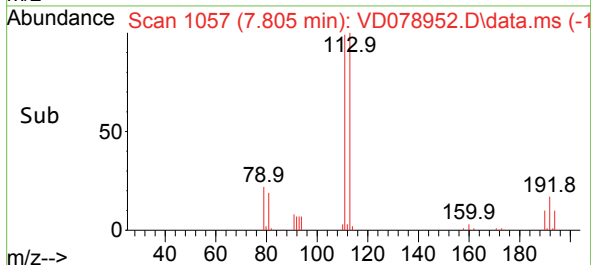
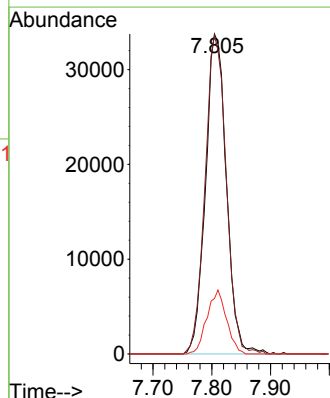
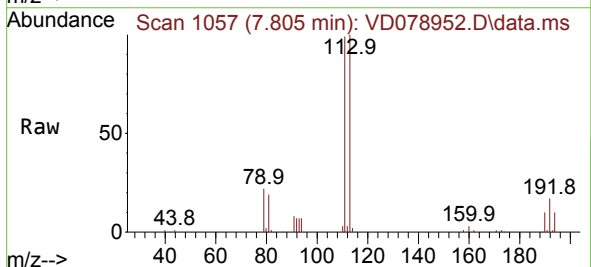
Tgt Ion:113 Resp: 83083

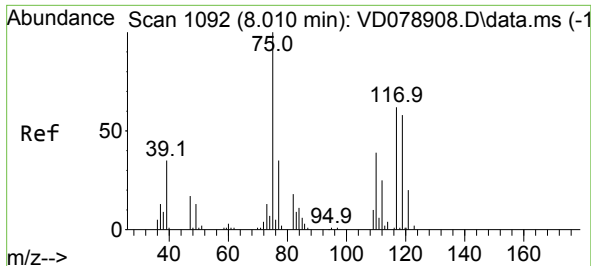
Ion Ratio Lower Upper

113 100

111 101.1 84.0 126.0

192 18.8 15.4 23.0

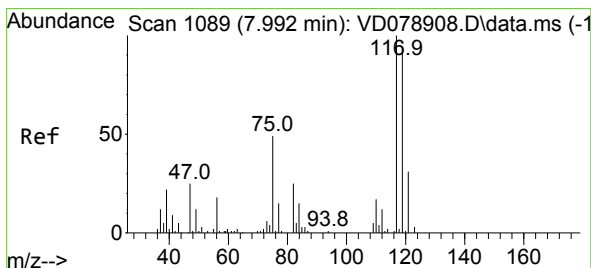
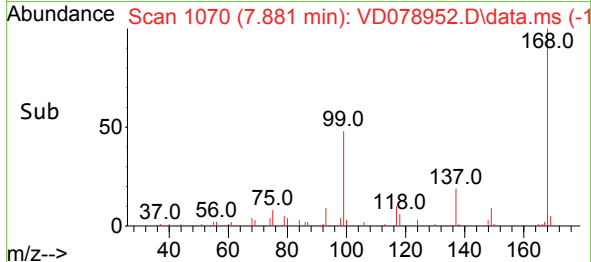
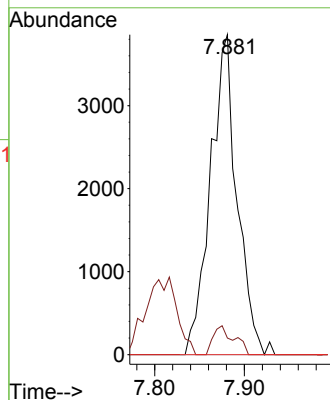
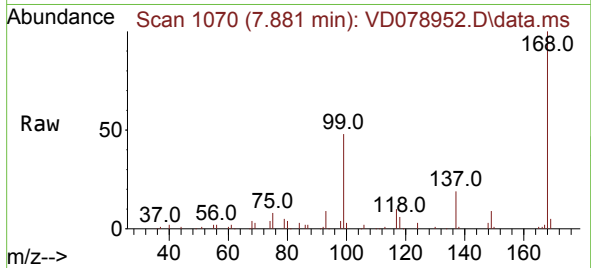




#36  
1,1-Dichloropropene  
Concen: 3.974 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.129 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

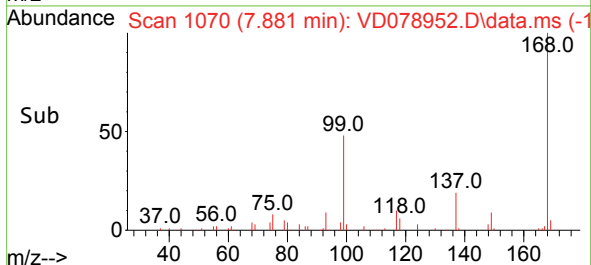
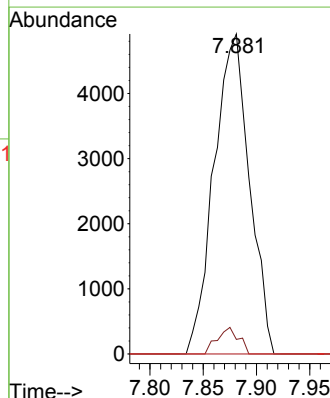
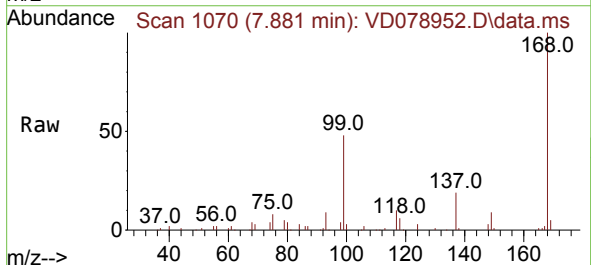
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ClientSampleId :  
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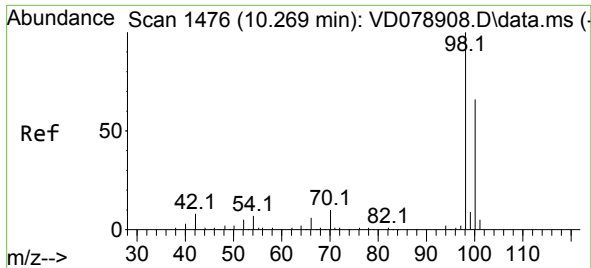
Tgt Ion: 75 Resp: 7956  
Ion Ratio Lower Upper  
75 100  
110 7.0 19.6 58.7#  
77 0.0 26.1 39.1#



#38  
Carbon Tetrachloride  
Concen: 4.854 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.111 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

Tgt Ion: 117 Resp: 11372  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.4 113.0#  
121 0.0 25.0 37.4#

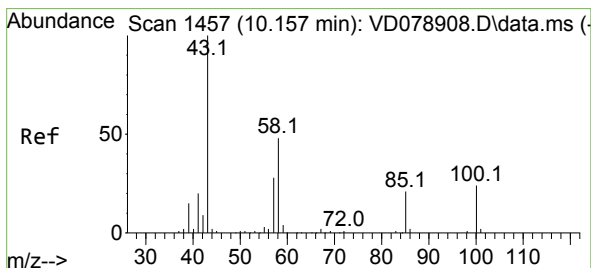
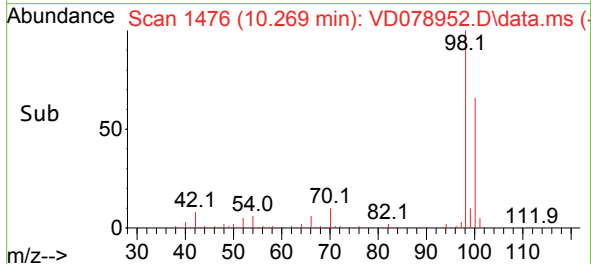
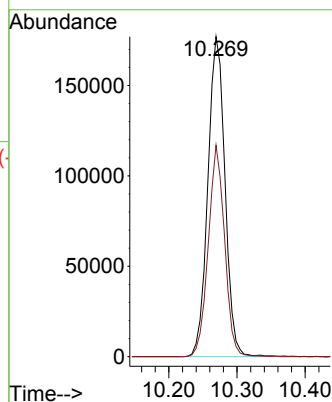
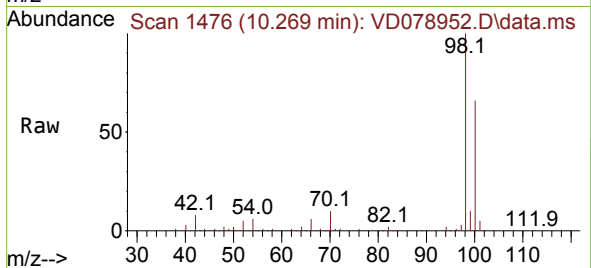




#50  
Toluene-d8  
Concen: 51.402 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

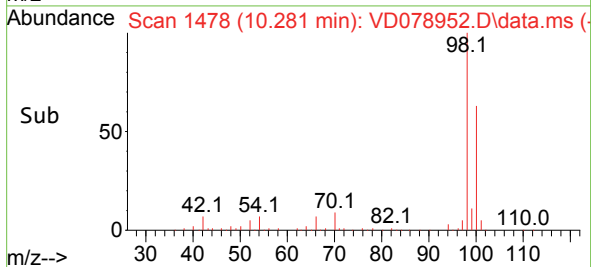
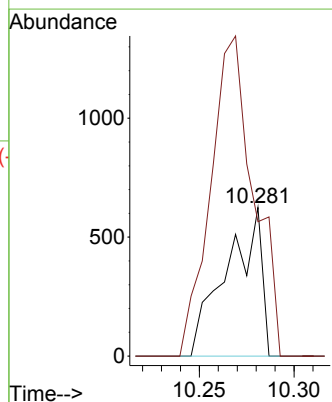
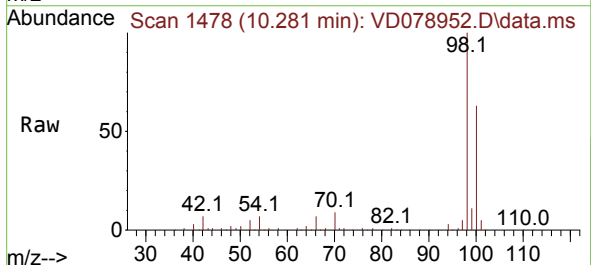
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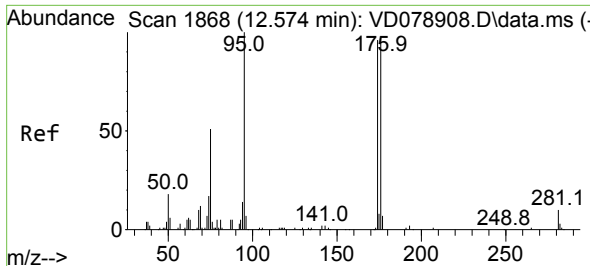
Tgt Ion: 98 Resp: 310006  
Ion Ratio Lower Upper  
98 100  
100 62.9 51.6 77.4



#51  
4-Methyl-2-Pentanone  
Concen: 1.252 ug/l  
RT: 10.281 min Scan# 1478  
Delta R.T. 0.124 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

Tgt Ion: 43 Resp: 807  
Ion Ratio Lower Upper  
43 100  
58 263.9 36.6 55.0#

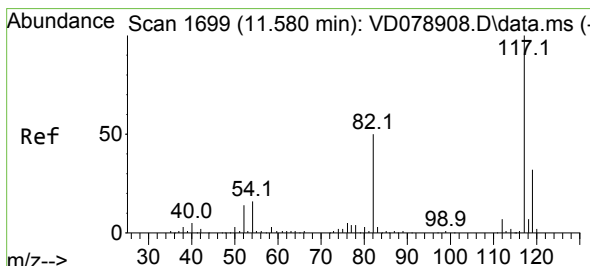
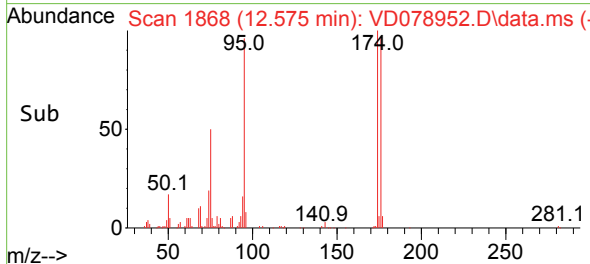
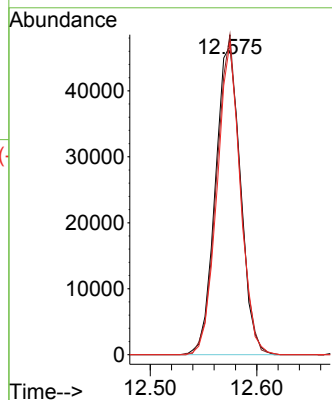
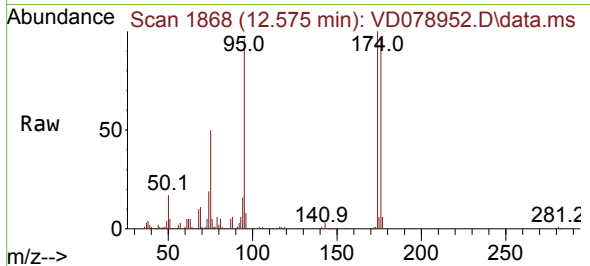




#62  
4-Bromofluorobenzene  
Concen: 45.267 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

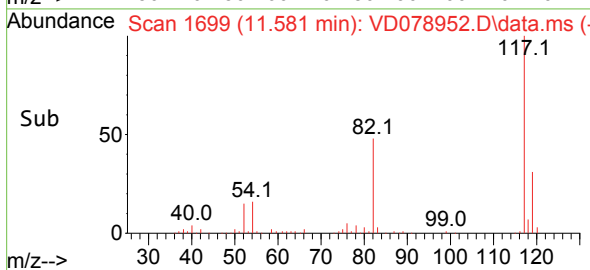
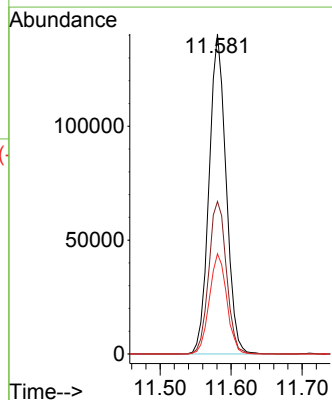
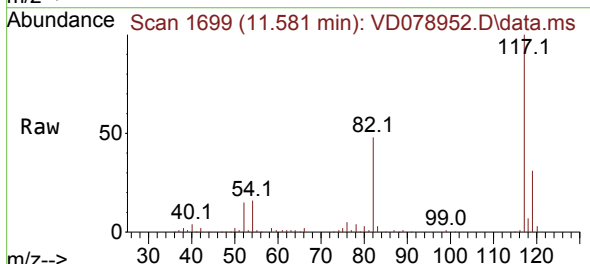
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-24376

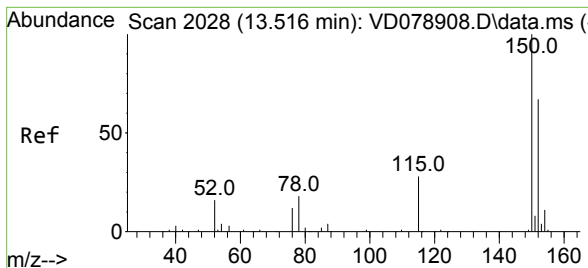
Tgt Ion: 95 Resp: 76694  
Ion Ratio Lower Upper  
95 100  
174 97.4 0.0 195.4  
176 93.2 0.0 192.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VD078952.D  
Acq: 16 May 2024 18:11

Tgt Ion: 117 Resp: 233697  
Ion Ratio Lower Upper  
117 100  
82 47.6 39.8 59.6  
119 31.3 25.7 38.5

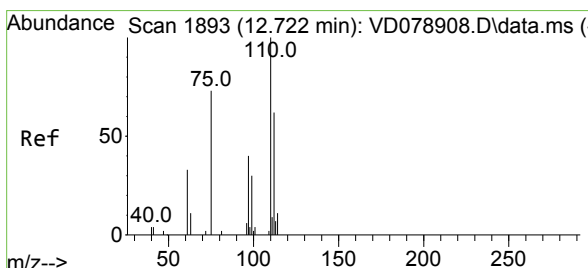
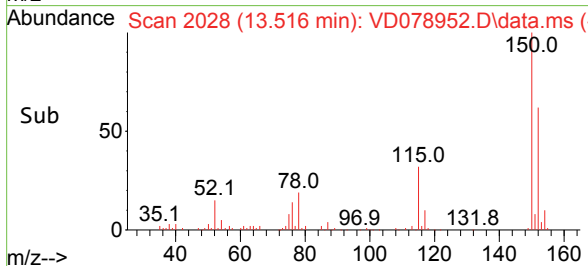
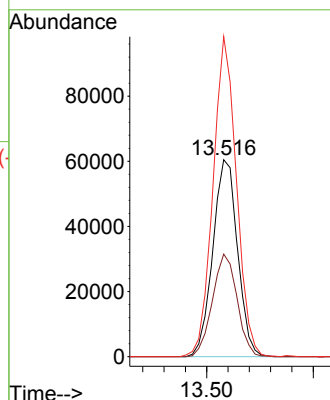
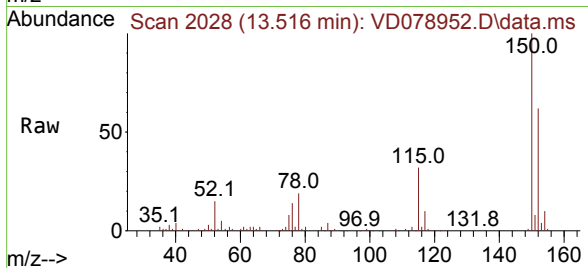




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 2028  
 Delta R.T. 0.000 min  
 Lab File: VD078952.D  
 Acq: 16 May 2024 18:11

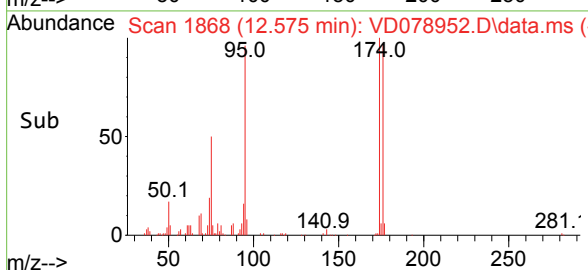
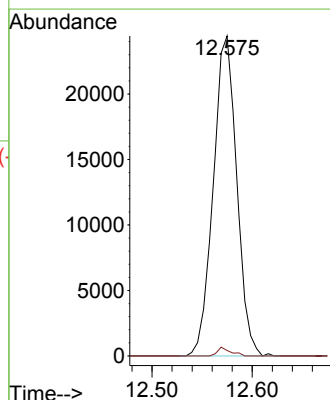
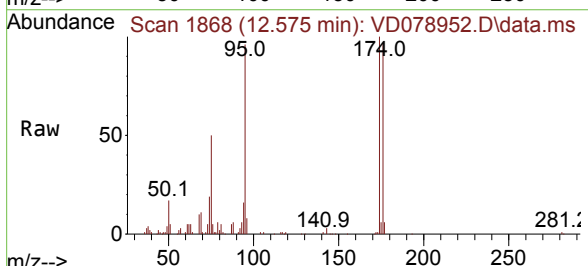
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-24376

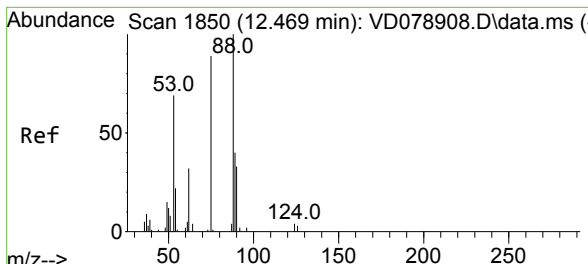
Tgt Ion:152 Resp: 97278  
 Ion Ratio Lower Upper  
 152 100  
 115 52.0 26.5 79.5  
 150 153.9 0.0 341.6



#76  
 1,2,3-Trichloropropane  
 Concen: 57.983 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. -0.147 min  
 Lab File: VD078952.D  
 Acq: 16 May 2024 18:11

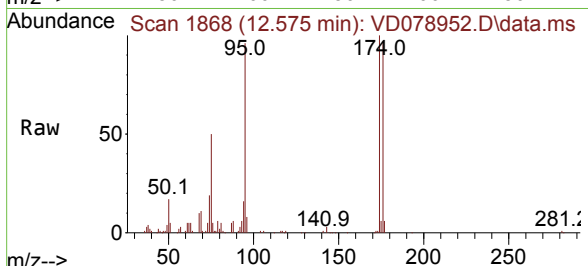
Tgt Ion: 75 Resp: 39709  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 114.981 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. 0.106 min  
 Lab File: VD078952.D  
 Acq: 16 May 2024 18:11

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-24376



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 39709 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.0   | 61.4  | 92.2# |
| 89       | 0.0   | 35.4  | 53.0# |

