

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052523\  
 Data File : VD076232.D  
 Acq On : 25 May 2023 14:41  
 Operator : KP/SY  
 Sample : 02892-04  
 Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-31

Quant Time: May 25 17:12:36 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

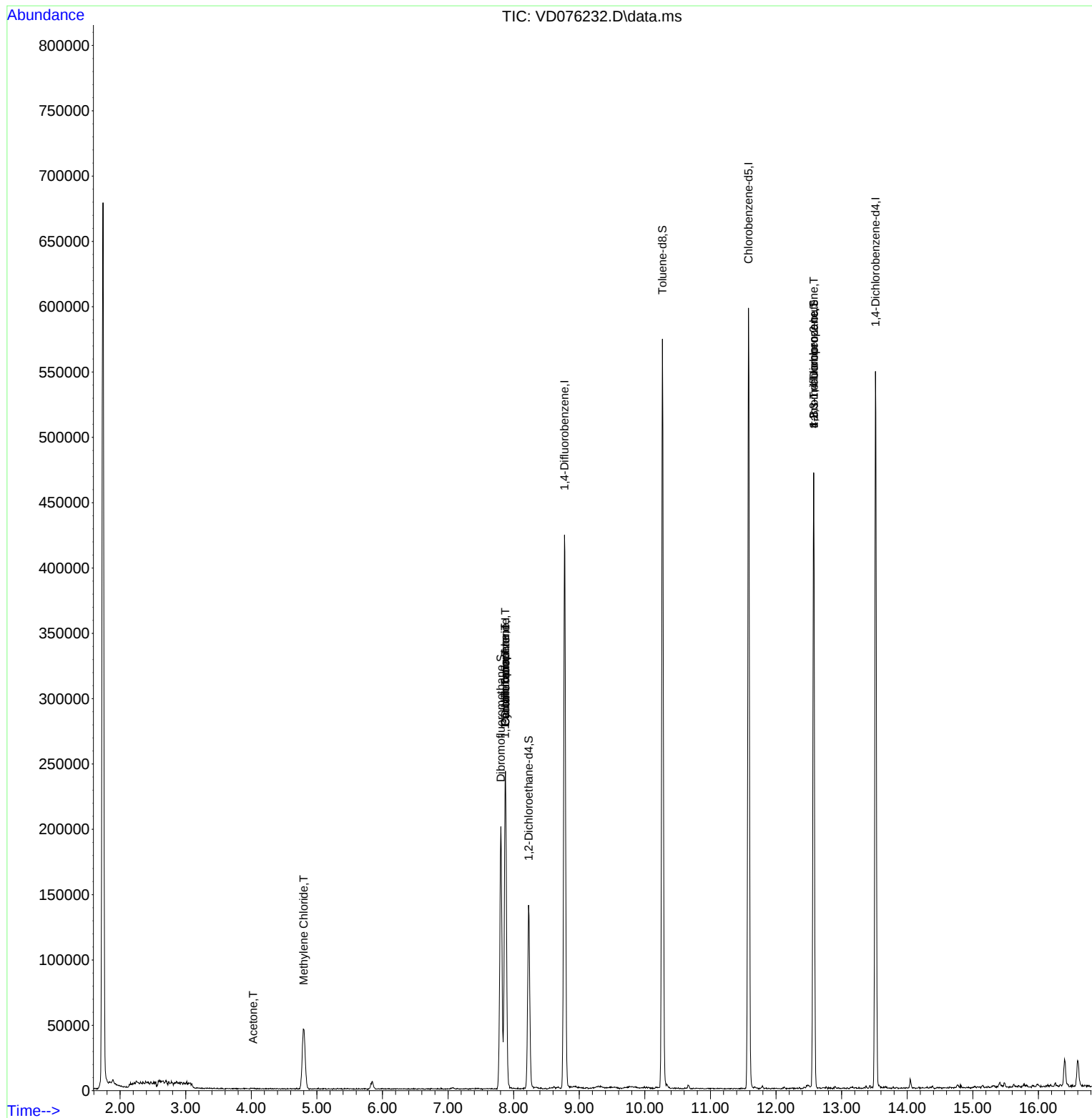
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875     | 168   | 201297   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775     | 114   | 404665   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 375299   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 157192   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228     | 65    | 104955   | 53.948    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 107.900% |          |
| 35) Dibromofluoromethane      | 7.804     | 113   | 143164   | 51.183    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 102.360% |          |
| 50) Toluene-d8                | 10.269    | 98    | 415193   | 38.078    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 76.160%  |          |
| 62) 4-Bromofluorobenzene      | 12.575    | 95    | 148685   | 49.088    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 98.180%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.140     | 50    | 606      | Below Cal | #          | 40       |
| 16) Acetone                   | 4.028     | 43    | 480      | 1.240     | ug/l #     | 44       |
| 17) Carbon Disulfide          | 4.275     | 76    | 61       | Below Cal | #          | 73       |
| 20) Methylene Chloride        | 4.799     | 84    | 42146    | 5.804     | ug/l #     | 78       |
| 31) Cyclohexane               | 7.875     | 56    | 3815     | 1.280     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.869     | 75    | 14690    | 3.889     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.875     | 117   | 18290    | 5.360     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.575    | 75    | 74644    | 54.264    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575    | 75    | 74644    | 113.838   | ug/l #     | 5        |
| -----                         |           |       |          |           |            |          |

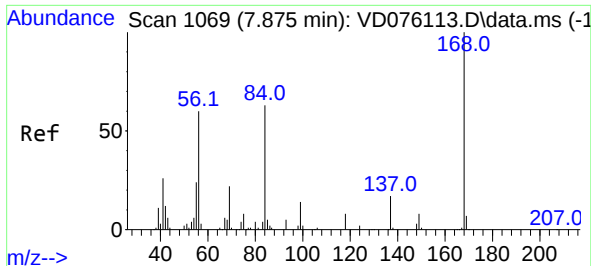
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

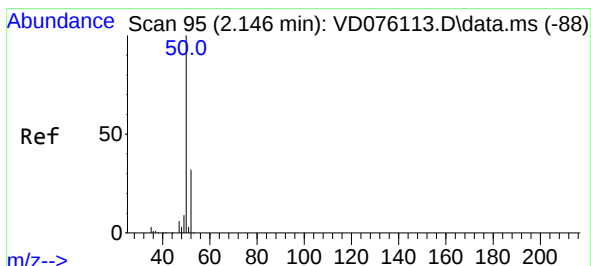
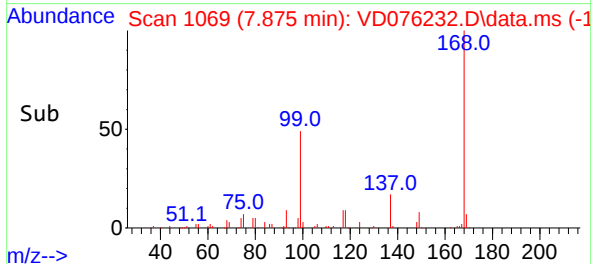
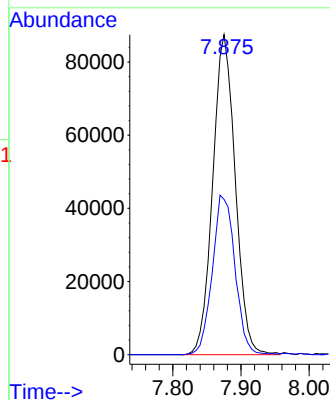
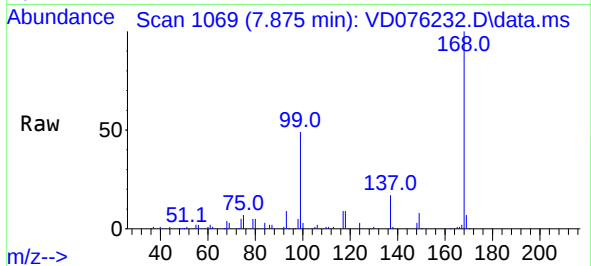




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

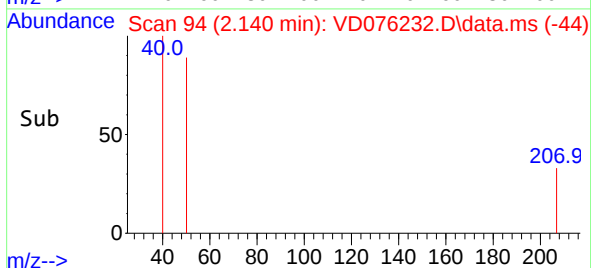
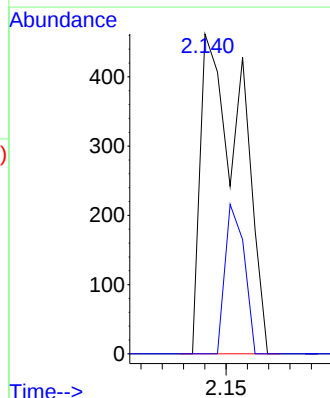
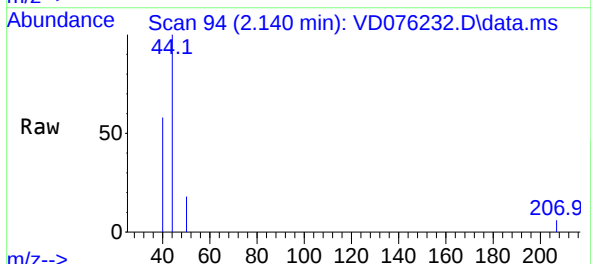
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-31

Tgt Ion:168 Resp: 201297  
Ion Ratio Lower Upper  
168 100  
99 48.6 43.8 65.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.140 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

Tgt Ion: 50 Resp: 606  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.8 41.8#

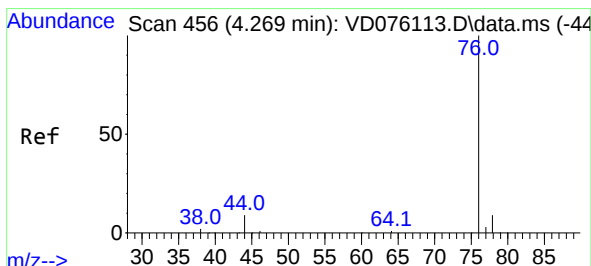
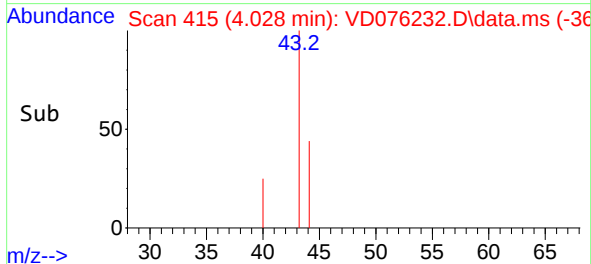
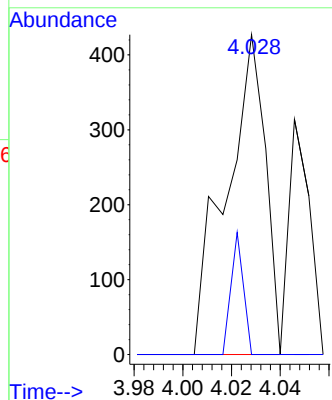
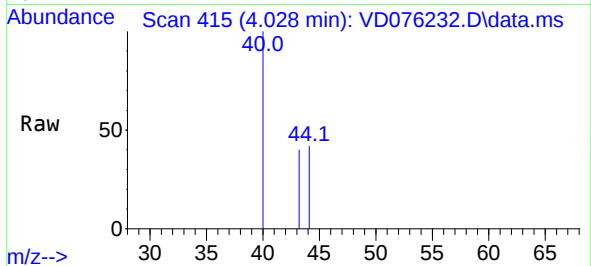




#16  
Acetone  
Concen: 1.240 ug/l  
RT: 4.028 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

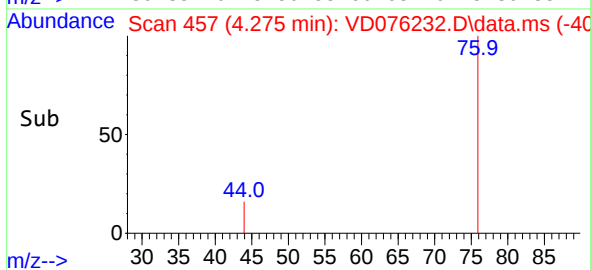
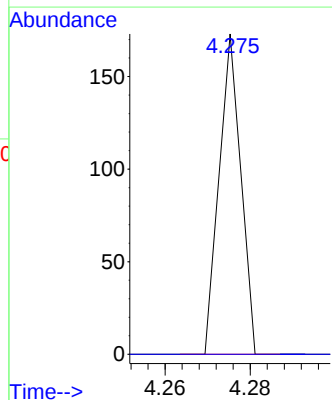
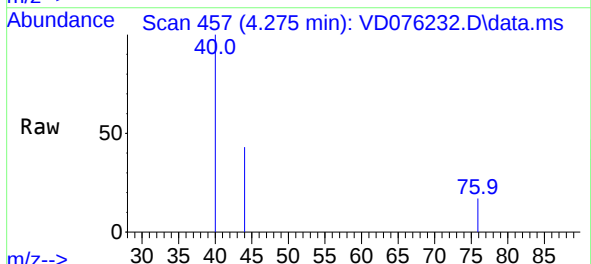
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-31

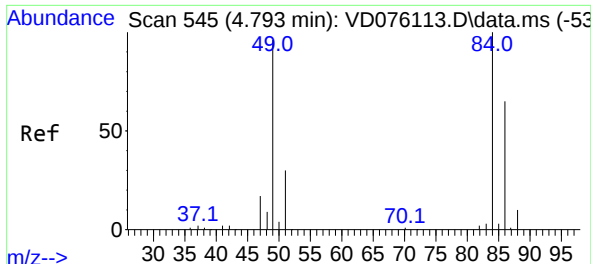
Tgt Ion: 43 Resp: 480  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 36.6#



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.275 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

Tgt Ion: 76 Resp: 61  
Ion Ratio Lower Upper  
76 100  
78 0.0 8.0 12.0#



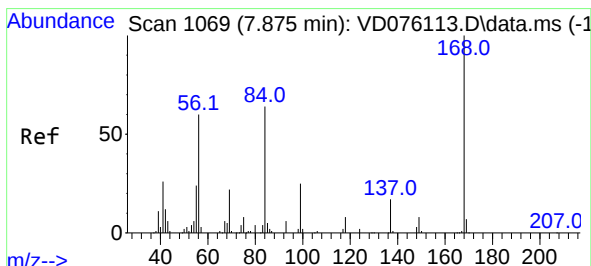
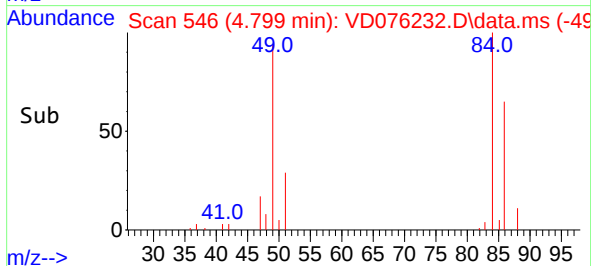
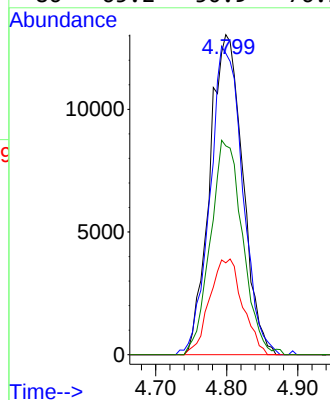
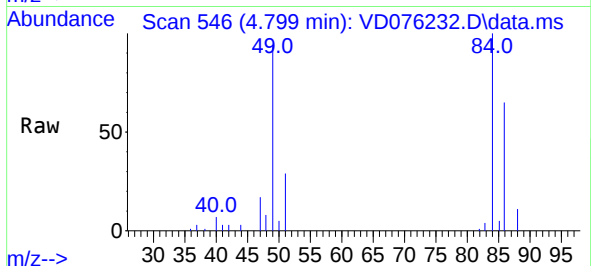


#20  
Methylene Chloride  
Concen: 5.804 ug/l  
RT: 4.799 min Scan# 545  
Delta R.T. -0.000 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-31

Tgt Ion: 84 Resp: 42146

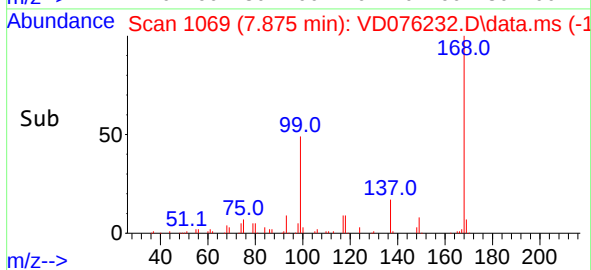
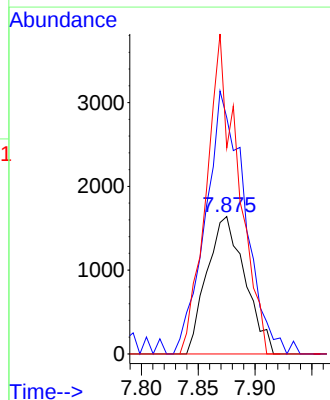
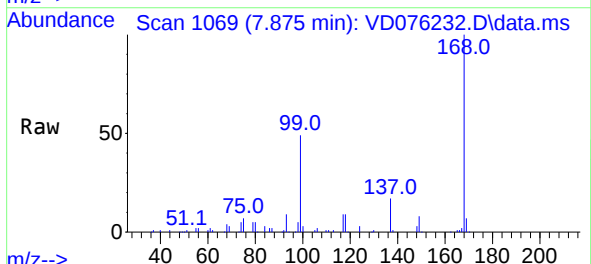
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 94.1  | 106.4 | 159.6# |
| 51  | 28.7  | 32.4  | 48.6#  |
| 86  | 65.2  | 50.9  | 76.3   |

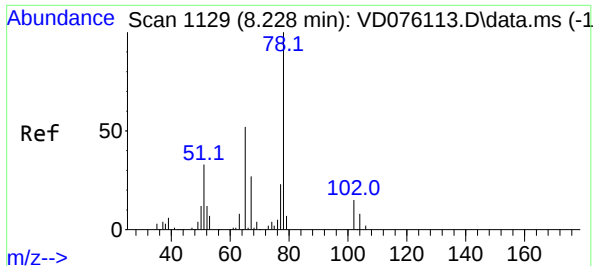


#31  
Cyclohexane  
Concen: 1.280 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

Tgt Ion: 56 Resp: 3815

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 160.9 | 25.5  | 38.3#  |
| 84  | 149.8 | 69.6  | 104.4# |

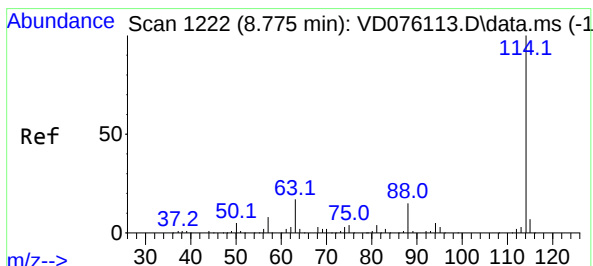
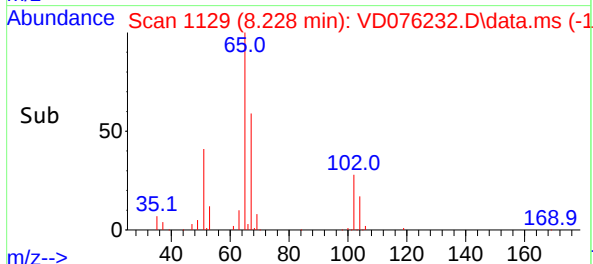
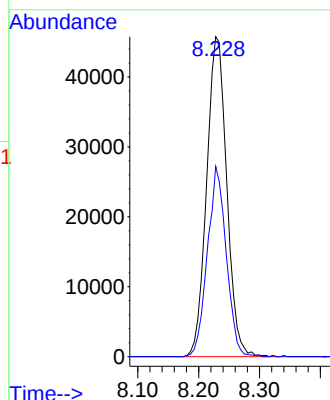
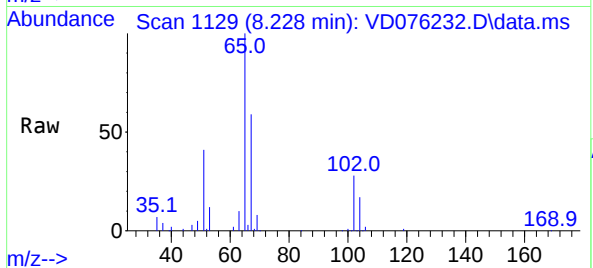




#33  
1,2-Dichloroethane-d4  
Concen: 53.948 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

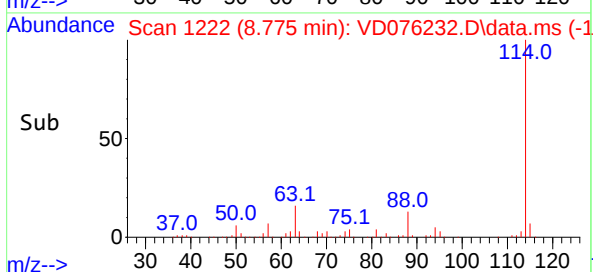
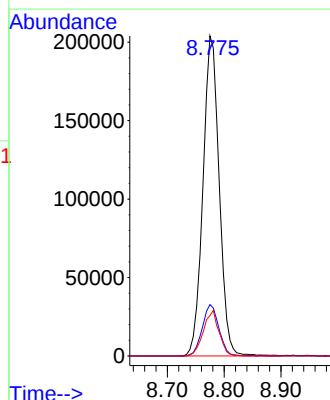
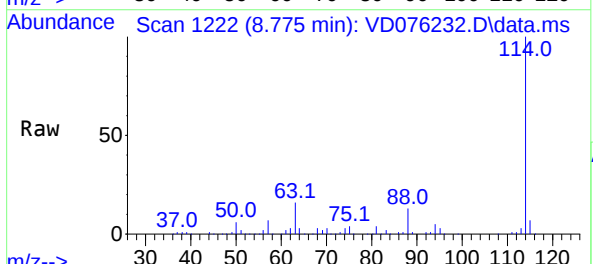
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-31

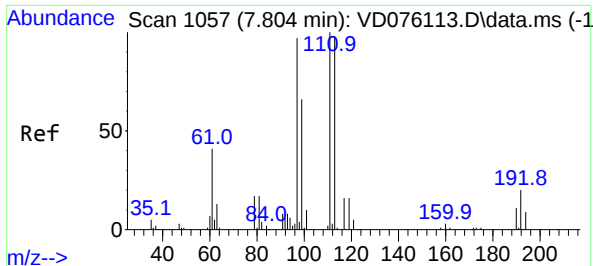
Tgt Ion: 65 Resp: 104955  
Ion Ratio Lower Upper  
65 100  
67 55.7 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

Tgt Ion:114 Resp: 404665  
Ion Ratio Lower Upper  
114 100  
63 16.0 0.0 41.6  
88 12.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.183 ug/l

RT: 7.804 min Scan# 1068

Delta R.T. -0.001 min

Lab File: VD076232.D

Acq: 25 May 2023 14:41

Instrument :

MSVOA\_D

ClientSampleId :

TP-31

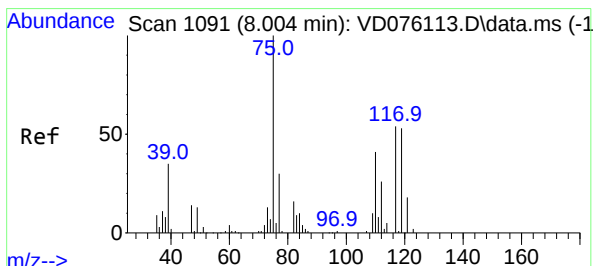
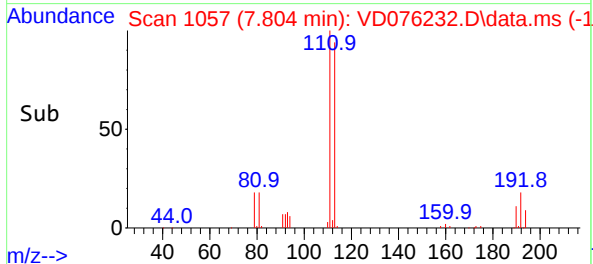
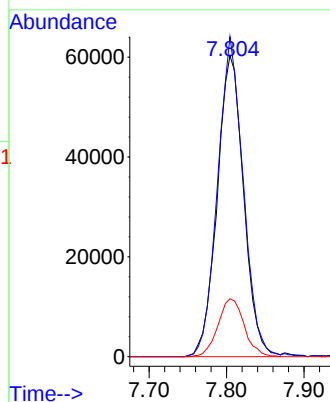
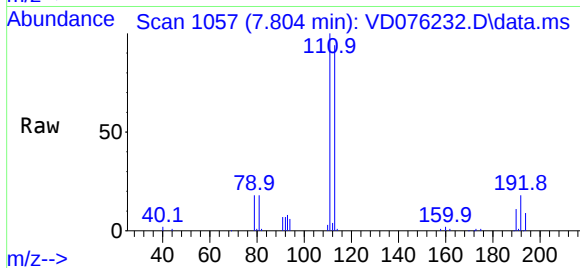
Tgt Ion:113 Resp: 143164

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 19.1 15.2 22.8



#36

1,1-Dichloropropene

Concen: 3.889 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076232.D

Acq: 25 May 2023 14:41

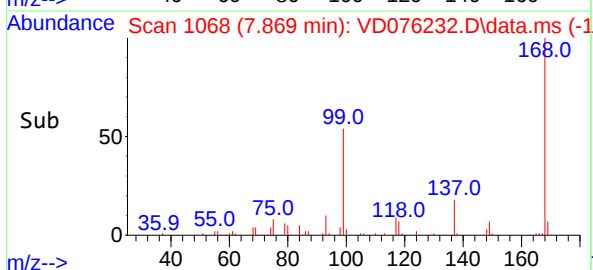
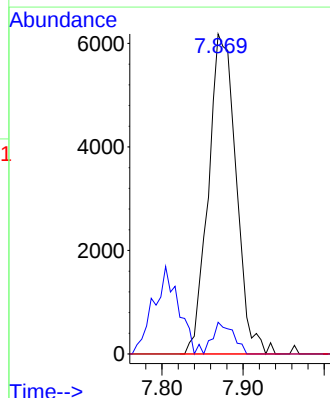
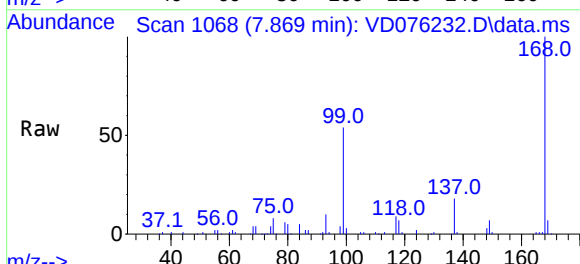
Tgt Ion: 75 Resp: 14690

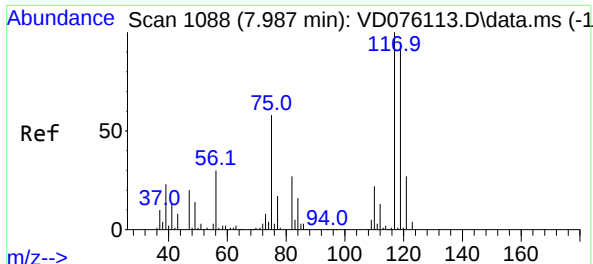
Ion Ratio Lower Upper

75 100

110 7.3 17.1 51.2#

77 0.0 24.6 36.8#

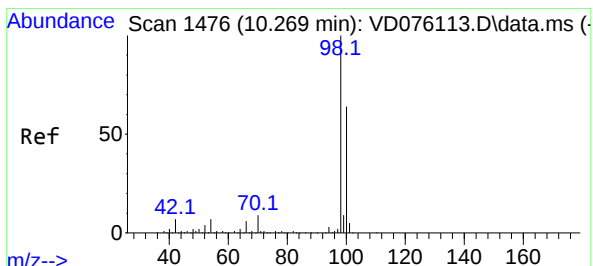
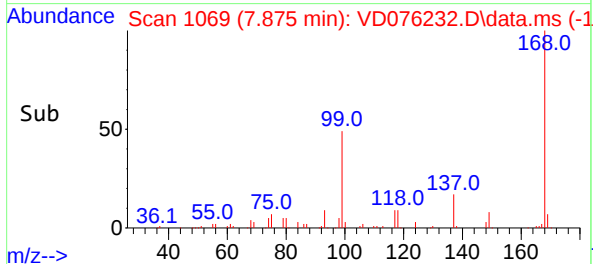
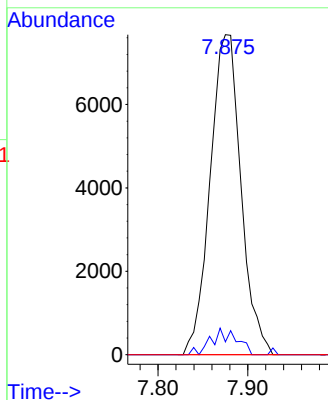
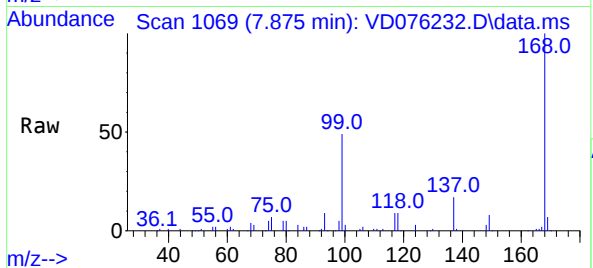




#38  
Carbon Tetrachloride  
Concen: 5.360 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.118 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

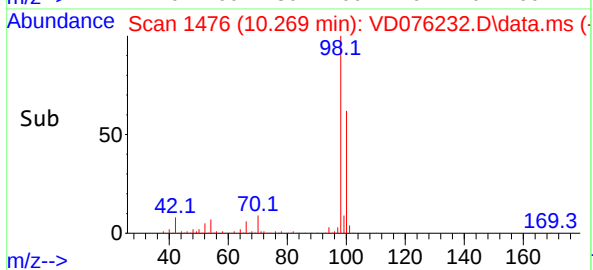
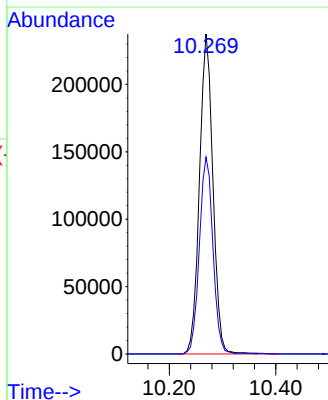
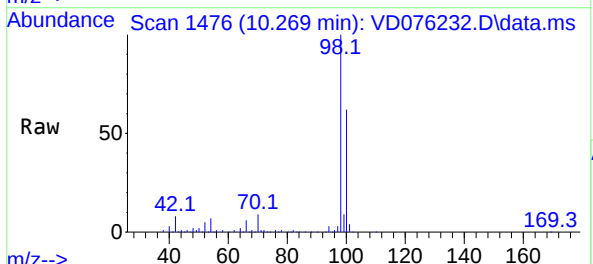
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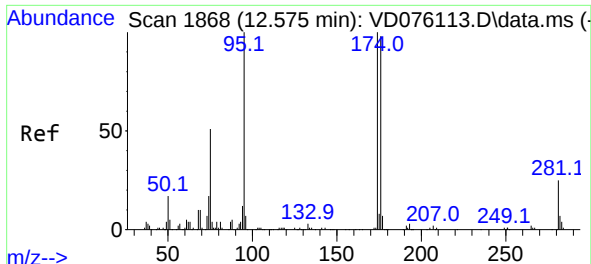
Tgt Ion:117 Resp: 18290  
Ion Ratio Lower Upper  
117 100  
119 4.0 74.7 112.1#  
121 0.0 25.9 38.9#



#50  
Toluene-d8  
Concen: 38.078 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

Tgt Ion: 98 Resp: 415193  
Ion Ratio Lower Upper  
98 100  
100 62.1 52.1 78.1

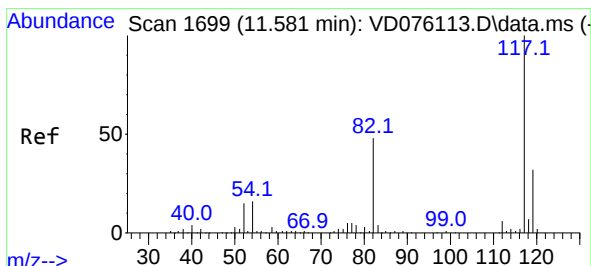
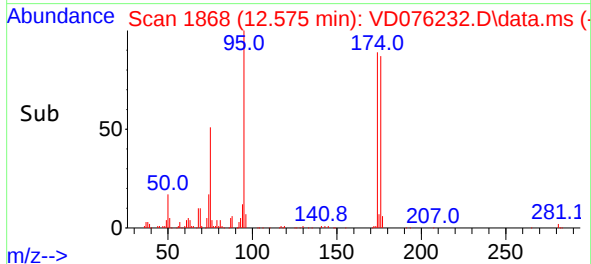
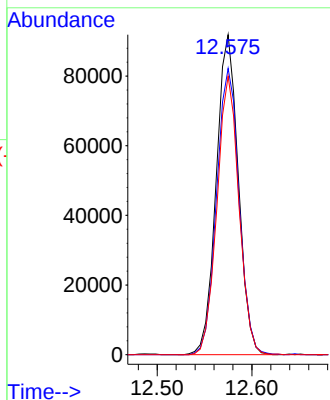
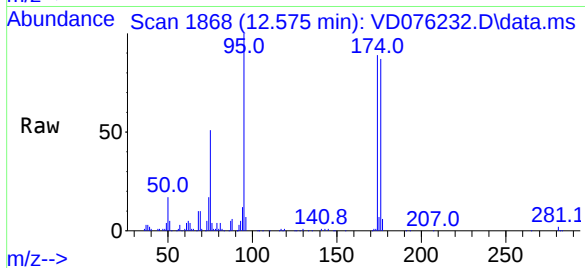




#62  
4-Bromofluorobenzene  
Concen: 49.088 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

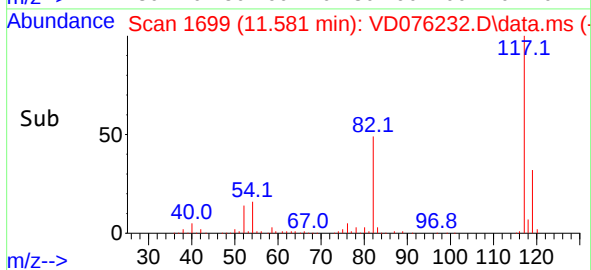
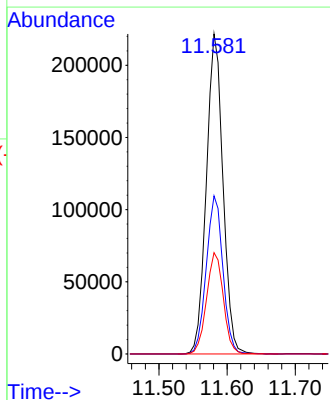
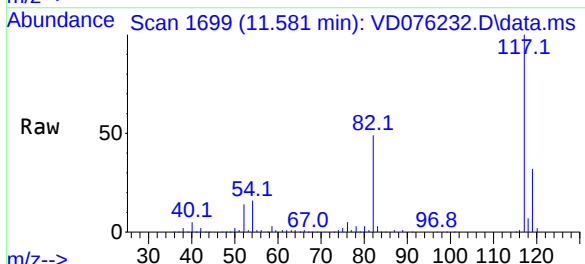
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-31

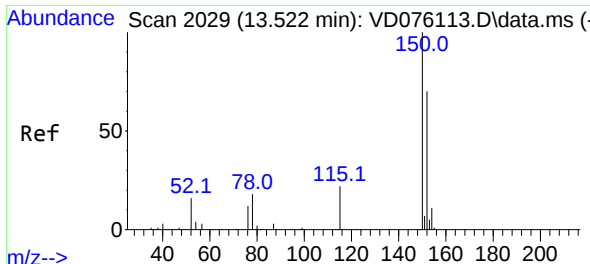
Tgt Ion: 95 Resp: 148685  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 164.0  
176 86.5 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

Tgt Ion: 117 Resp: 375299  
Ion Ratio Lower Upper  
117 100  
82 49.4 44.0 66.0  
119 31.7 25.1 37.7

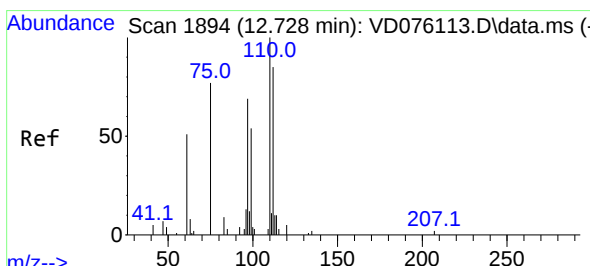
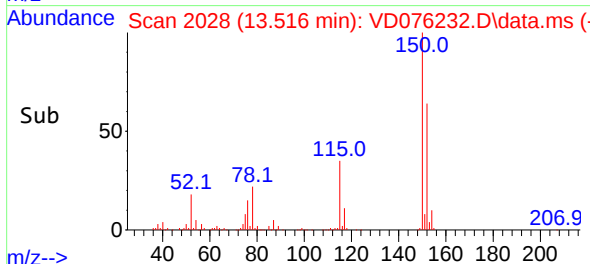
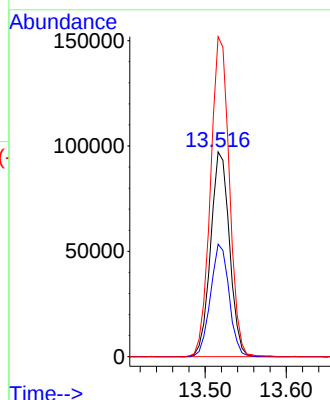
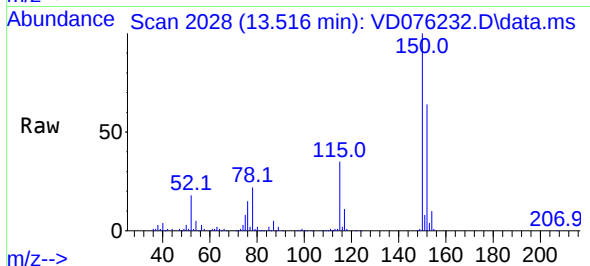




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

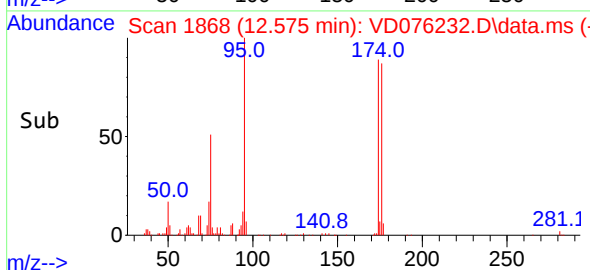
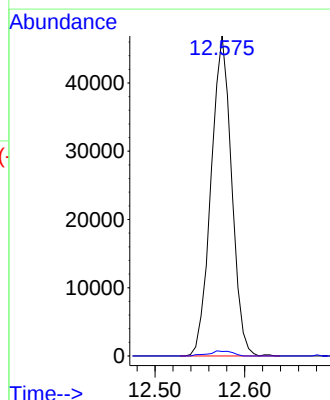
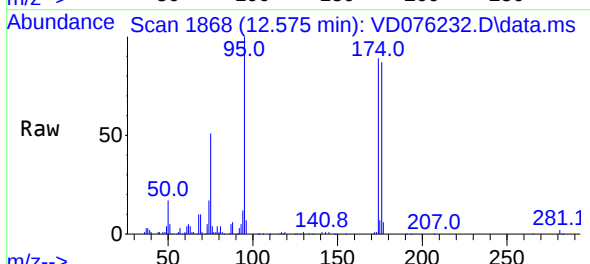
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-31

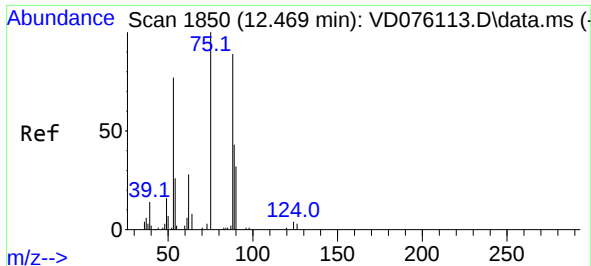
Tgt Ion:152 Resp: 157192  
Ion Ratio Lower Upper  
152 100  
115 53.9 30.1 90.3  
150 155.7 0.0 364.8



#76  
1,2,3-Trichloropropane  
Concen: 54.264 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD076232.D  
Acq: 25 May 2023 14:41

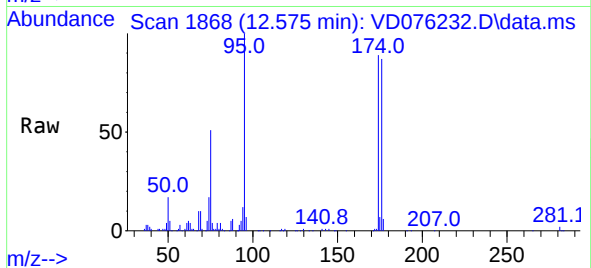
Tgt Ion: 75 Resp: 74644  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 113.838 ug/l  
 RT: 12.575 min Scan# 11  
 Delta R.T. 0.100 min  
 Lab File: VD076232.D  
 Acq: 25 May 2023 14:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-31



Tgt Ion: 75 Resp: 74644  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 90.5 135.7#  
 89 0.0 40.2 60.4#

