

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052224\  
 Data File : VD078983.D  
 Acq On : 22 May 2024 16:55  
 Operator : RP/MD  
 Sample : P2538-01  
 Misc : 5.06G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 23 06:06:09 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

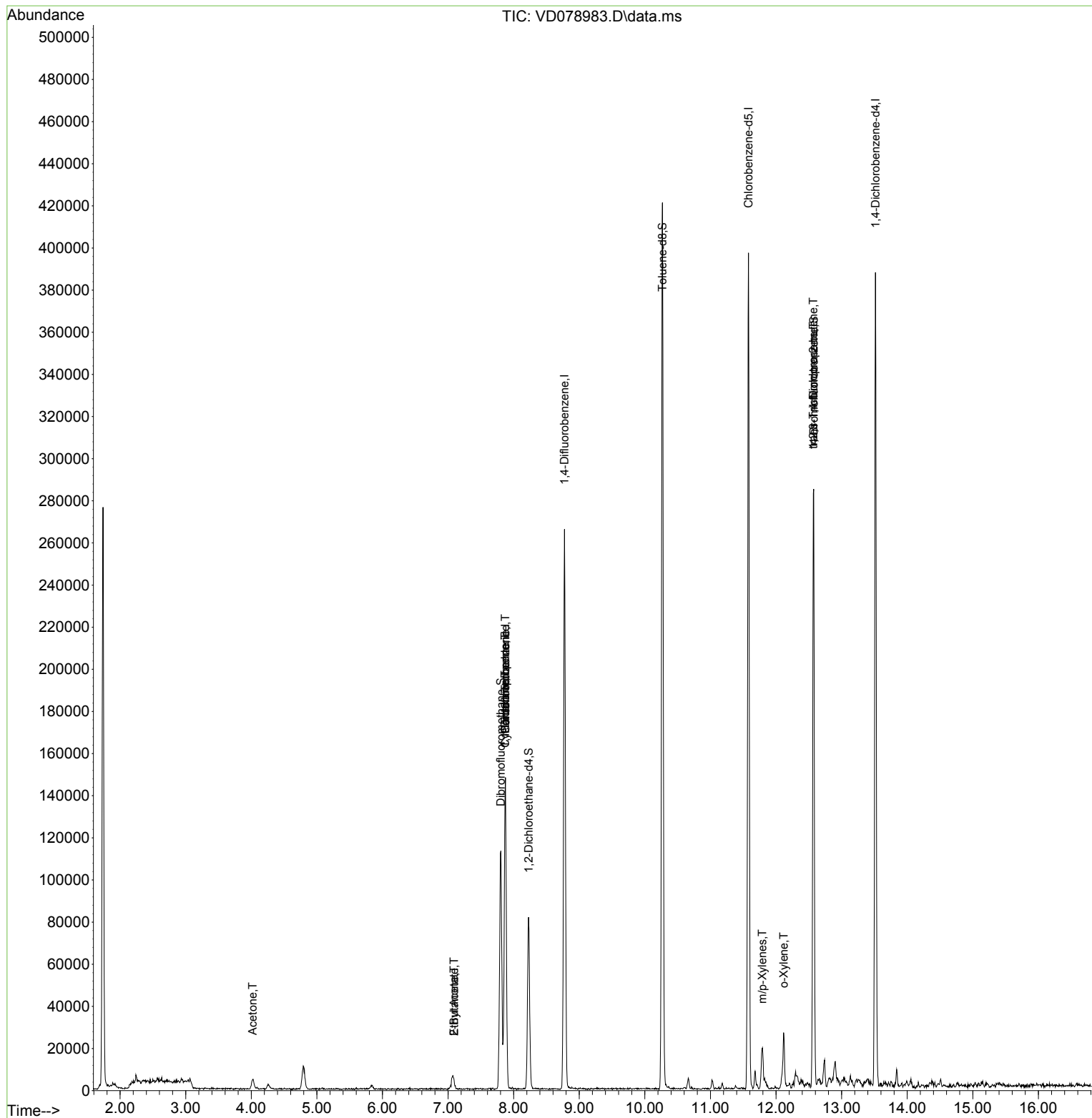
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875     | 168   | 117431   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775     | 114   | 243598   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 241957   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 107208   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228     | 65    | 63536    | 57.681    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 115.360% |          |
| 35) Dibromofluoromethane      | 7.805     | 113   | 81934    | 50.528    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 101.060% |          |
| 50) Toluene-d8                | 10.269    | 98    | 306412   | 50.406    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 100.820% |          |
| 62) 4-Bromofluorobenzene      | 12.575    | 95    | 88408    | 51.769    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 103.540% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.146     | 50    | 187      | Below Cal | #          | 57       |
| 16) Acetone                   | 4.022     | 43    | 7936     | 45.186    | ug/l       | 91       |
| 17) Carbon Disulfide          | 4.258     | 76    | 4483     | Below Cal |            | 98       |
| 25) 2-Butanone                | 7.093     | 43    | 1176     | 5.006     | ug/l       | 90       |
| 31) Cyclohexane               | 7.869     | 56    | 2138     | 1.329     | ug/l #     | 31       |
| 36) 1,1-Dichloropropene       | 7.869     | 75    | 8519     | 4.222     | ug/l #     | 42       |
| 37) Ethyl Acetate             | 7.093     | 43    | 1176     | 1.710     | ug/l #     | 84       |
| 38) Carbon Tetrachloride      | 7.875     | 117   | 11362    | 4.811     | ug/l #     | 16       |
| 68) m/p-Xylenes               | 11.793    | 106   | 7564     | 2.298     | ug/l       | 89       |
| 69) o-Xylene                  | 12.116    | 106   | 7586     | 2.528     | ug/l       | 100      |
| 76) 1,2,3-Trichloropropane    | 12.569    | 75    | 44757    | 59.300    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.569    | 75    | 44757    | 117.594   | ug/l #     | 19       |
| -----                         |           |       |          |           |            |          |

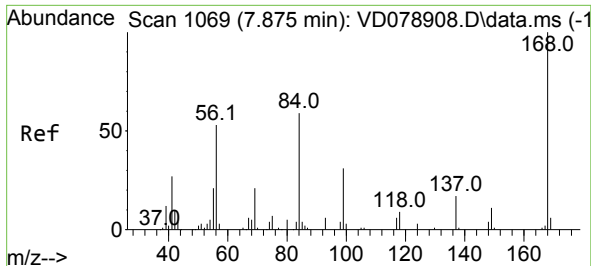
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2538-01  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: May 23 06:06:09 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

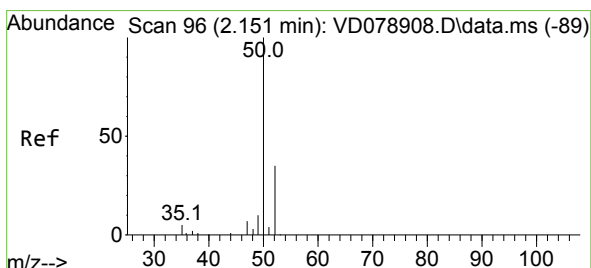
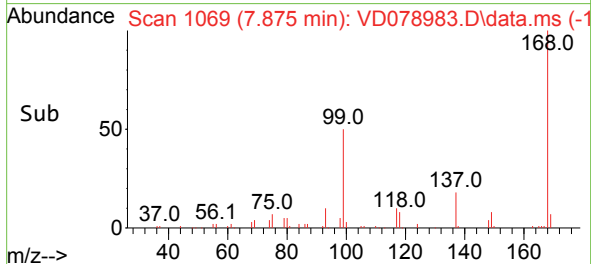
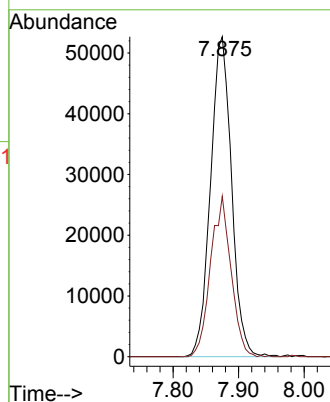
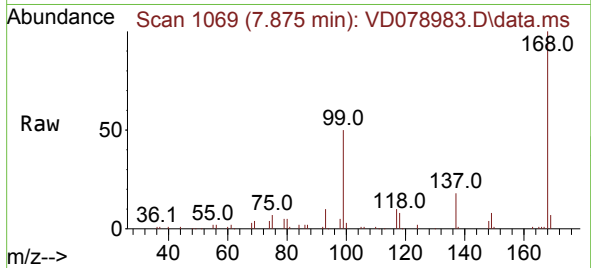




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

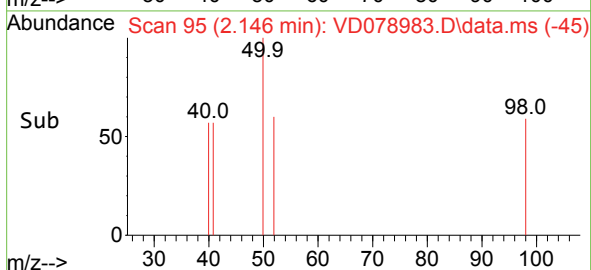
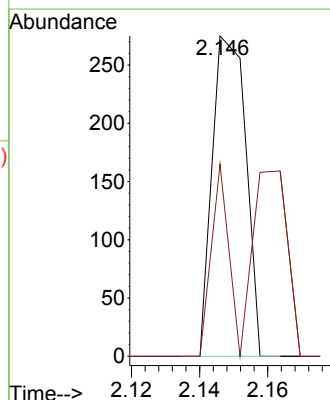
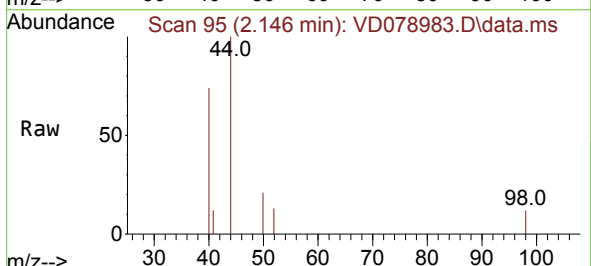
Instrument :  
MSVOA\_D  
ClientSampleId :

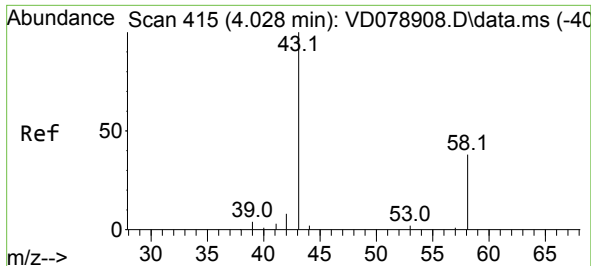
Tgt Ion:168 Resp: 117431  
Ion Ratio Lower Upper  
168 100  
99 50.2 41.1 61.7



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.146 min Scan# 95  
Delta R.T. -0.005 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

Tgt Ion: 50 Resp: 187  
Ion Ratio Lower Upper  
50 100  
52 60.0 28.2 42.2#





#16

Acetone

Concen: 45.186 ug/l

RT: 4.022 min Scan# 415

Delta R.T. -0.005 min

Lab File: VD078983.D

Acq: 22 May 2024 16:55

Instrument :

MSVOA\_D

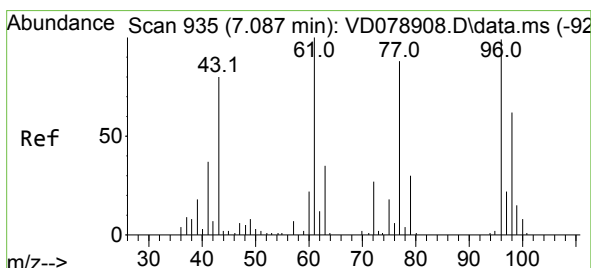
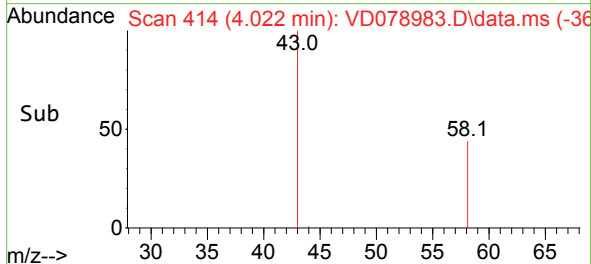
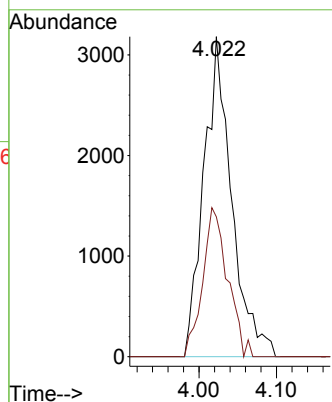
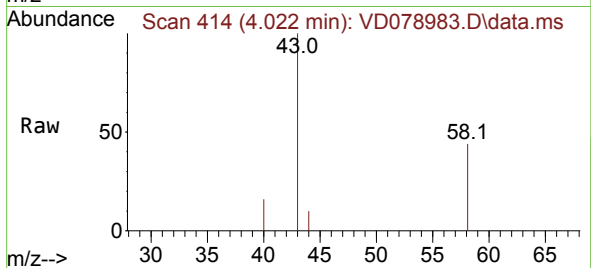
ClientSampleId :

Tgt Ion: 43 Resp: 7936

Ion Ratio Lower Upper

43 100

58 43.7 30.4 45.6



#25

2-Butanone

Concen: 5.006 ug/l

RT: 7.093 min Scan# 936

Delta R.T. 0.006 min

Lab File: VD078983.D

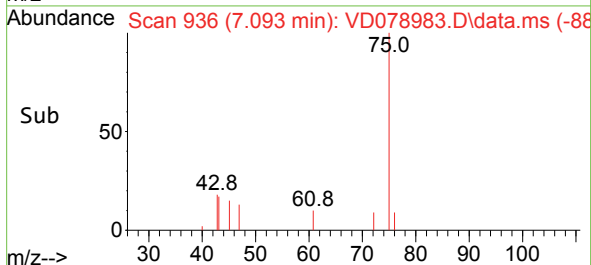
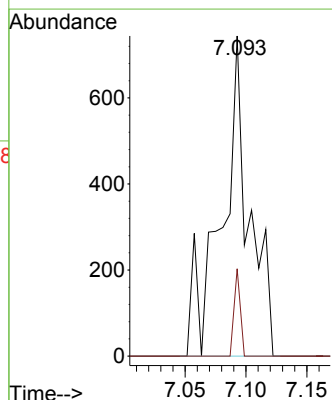
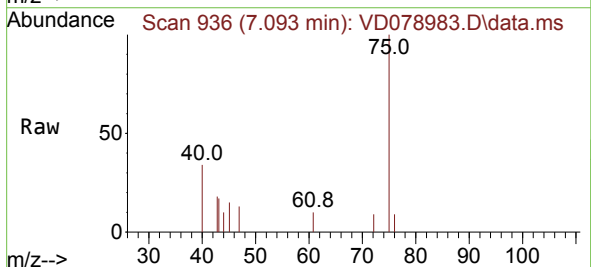
Acq: 22 May 2024 16:55

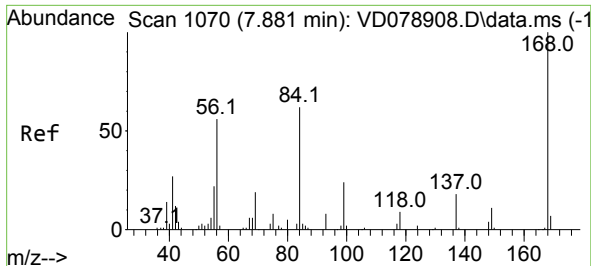
Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

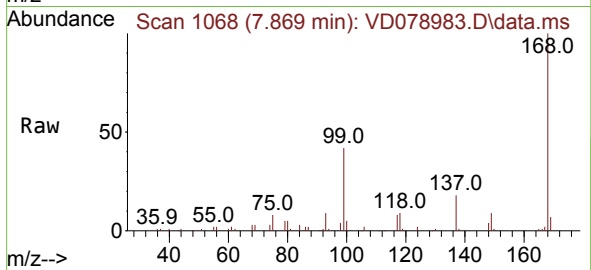
72 27.3 26.4 39.6



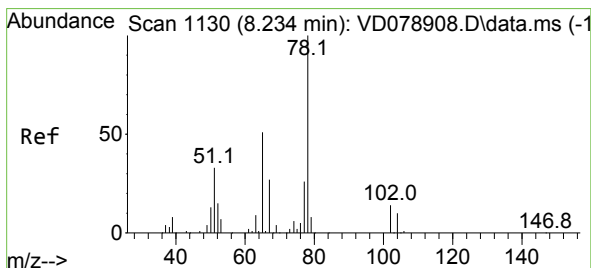
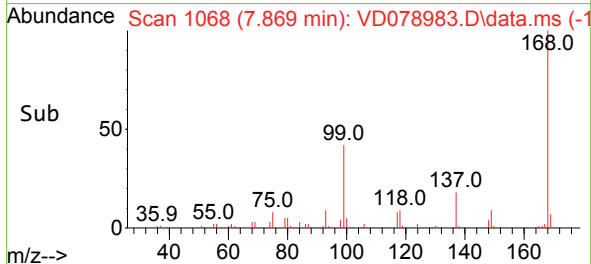
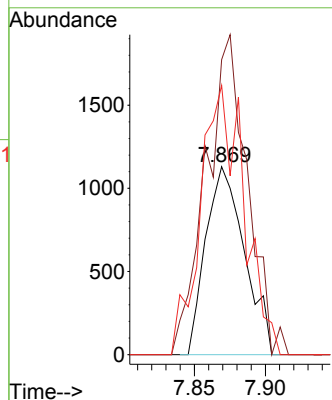


#31  
Cyclohexane  
Concen: 1.329 ug/l  
RT: 7.869 min Scan# 1107  
Delta R.T. -0.011 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

Instrument :  
MSVOA\_D  
ClientSampleId :

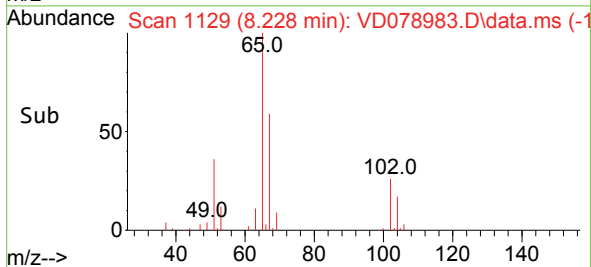
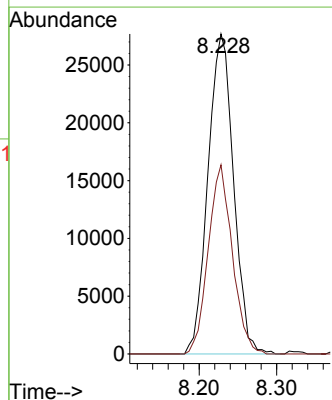
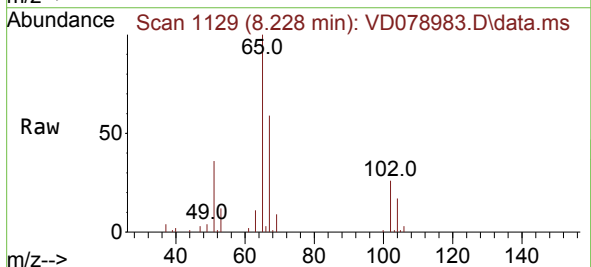


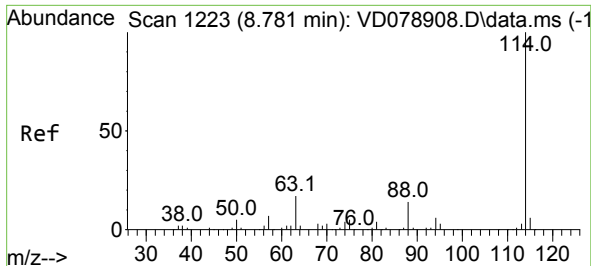
Tgt Ion: 56 Resp: 2138  
Ion Ratio Lower Upper  
56 100  
69 142.3 28.0 42.0#  
84 143.3 87.4 131.0#



#33  
1,2-Dichloroethane-d4  
Concen: 57.681 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.005 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

Tgt Ion: 65 Resp: 63536  
Ion Ratio Lower Upper  
65 100  
67 55.7 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: VD078983.D

Acq: 22 May 2024 16:55

Instrument :

MSVOA\_D

ClientSampleId :

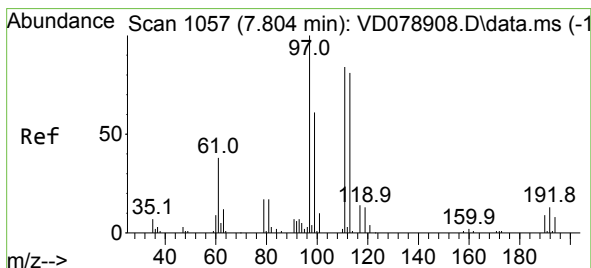
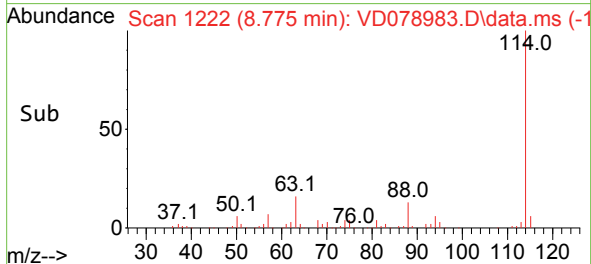
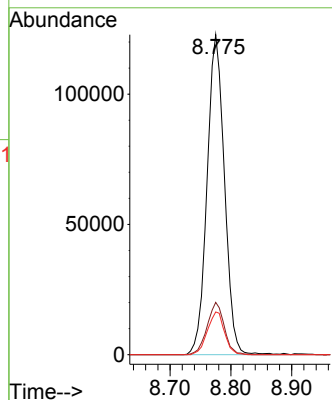
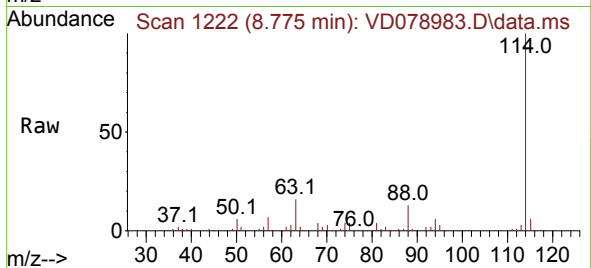
Tgt Ion:114 Resp: 243598

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.0

88 13.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.528 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078983.D

Acq: 22 May 2024 16:55

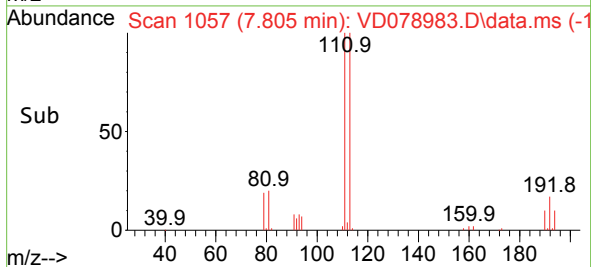
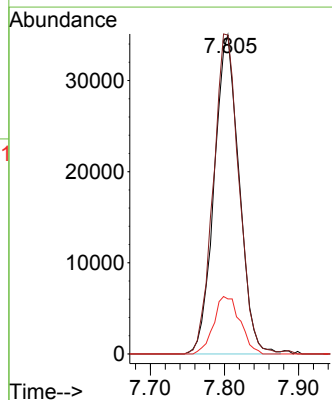
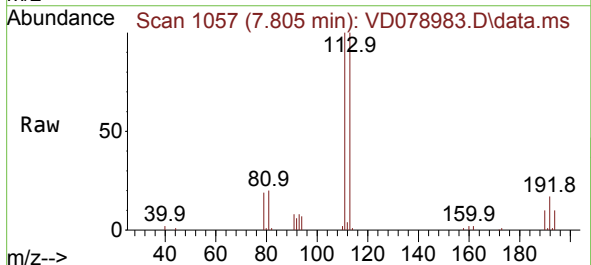
Tgt Ion:113 Resp: 81934

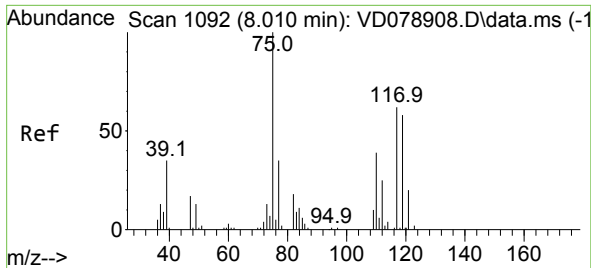
Ion Ratio Lower Upper

113 100

111 103.0 84.0 126.0

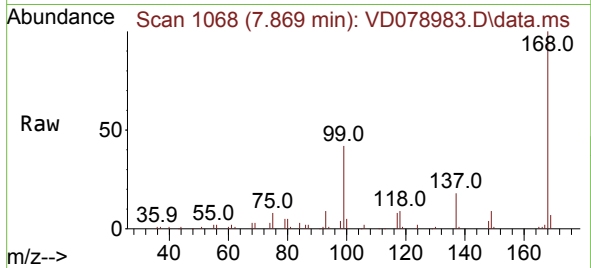
192 19.0 15.4 23.0



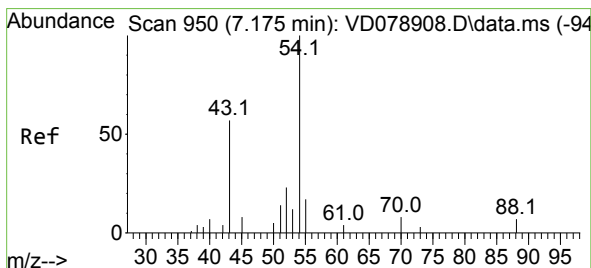
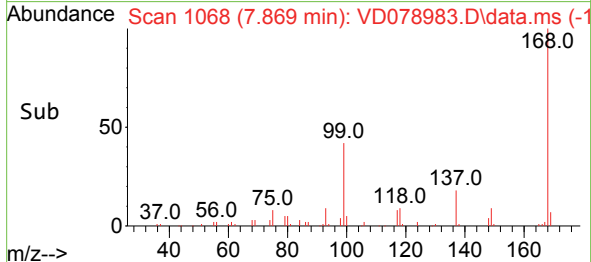
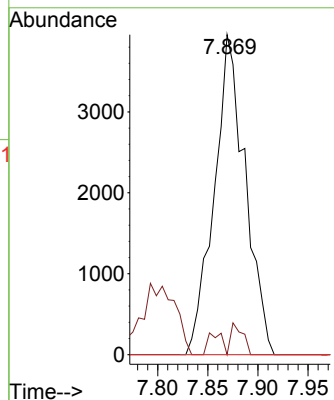


#36  
1,1-Dichloropropene  
Concen: 4.222 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.141 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

Instrument :  
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ClientSampleId :

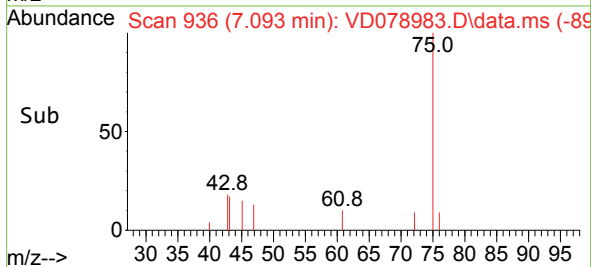
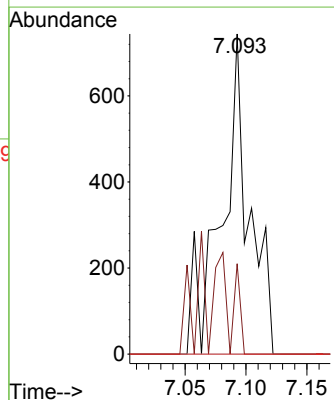
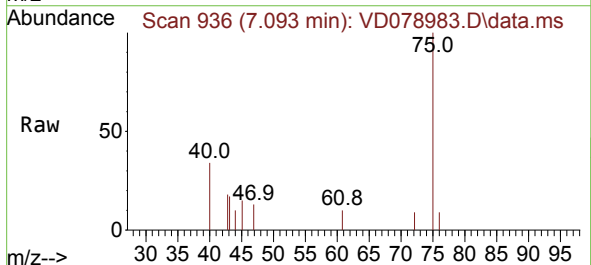


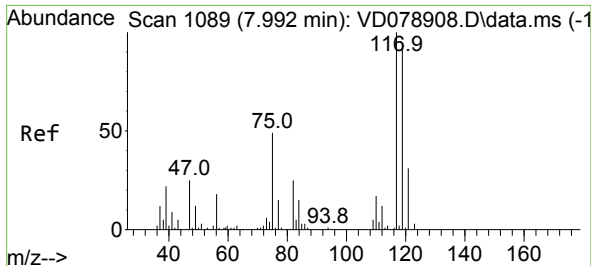
Tgt Ion: 75 Resp: 8519  
Ion Ratio Lower Upper  
75 100  
110 3.8 19.6 58.7#  
77 0.0 26.1 39.1#



#37  
Ethyl Acetate  
Concen: 1.710 ug/l  
RT: 7.093 min Scan# 936  
Delta R.T. -0.082 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

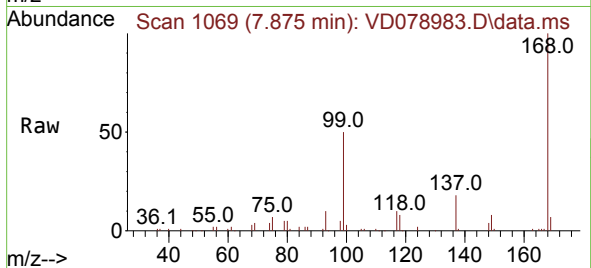
Tgt Ion: 43 Resp: 1176  
Ion Ratio Lower Upper  
43 100  
61 19.4 13.9 20.9  
70 0.0 9.8 14.6#



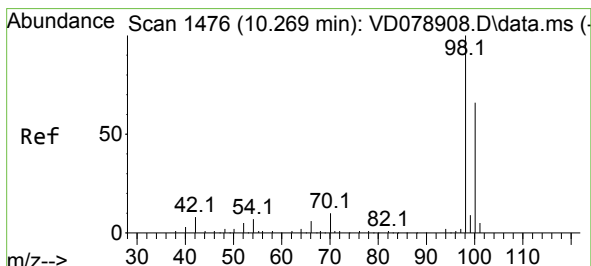
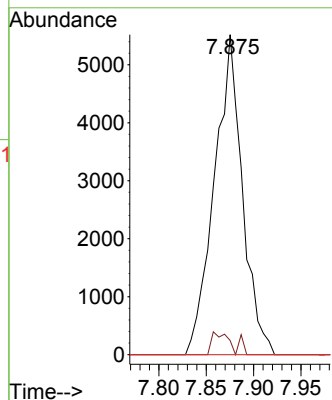
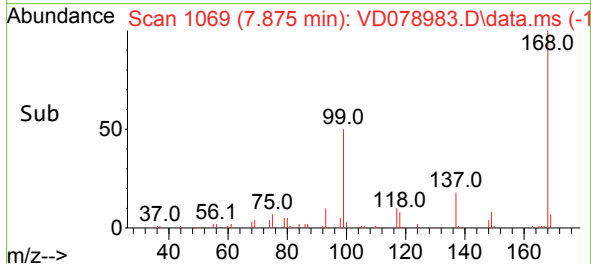


#38  
Carbon Tetrachloride  
Concen: 4.811 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.117 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

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ClientSampleId :

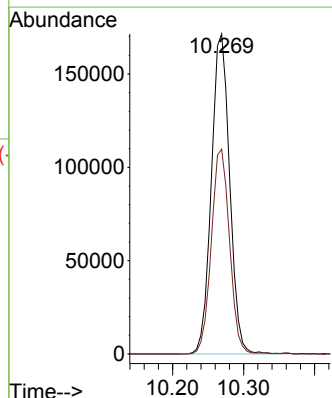
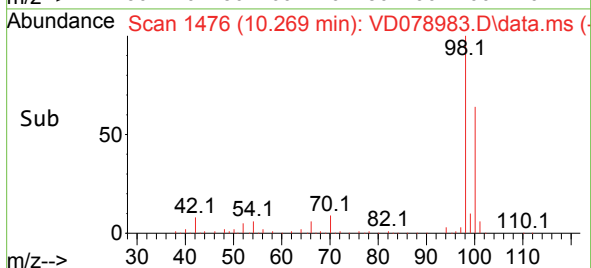
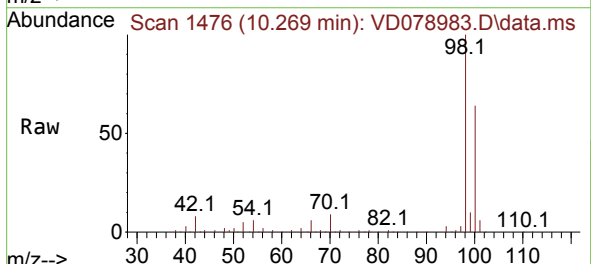


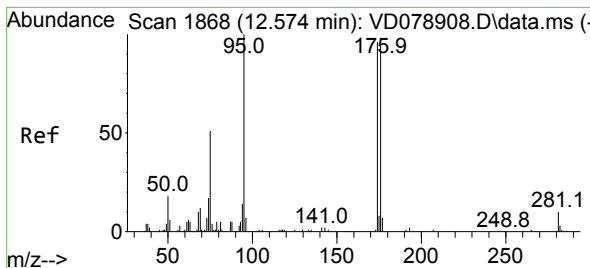
Tgt Ion:117 Resp: 11362  
Ion Ratio Lower Upper  
117 100  
119 4.5 75.4 113.0#  
121 0.0 25.0 37.4#



#50  
Toluene-d8  
Concen: 50.406 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

Tgt Ion: 98 Resp: 306412  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.6 77.4

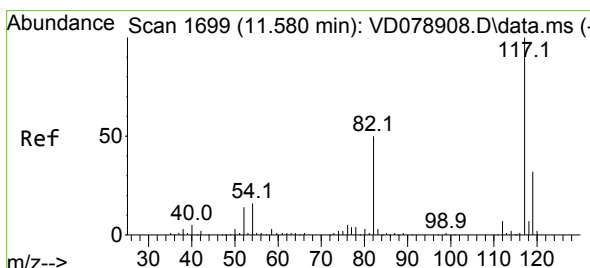
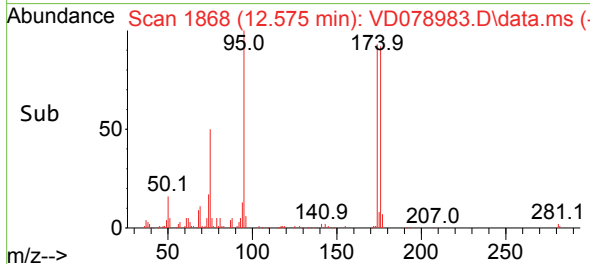
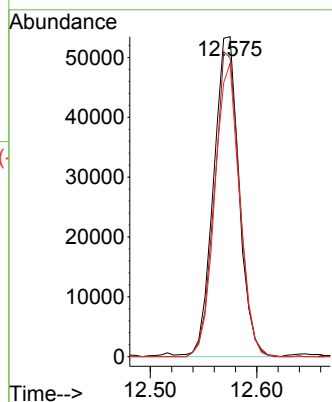
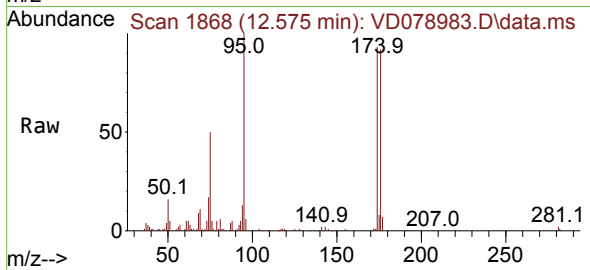




#62  
4-Bromofluorobenzene  
Concen: 51.769 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

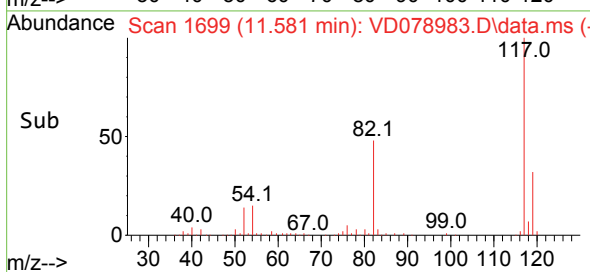
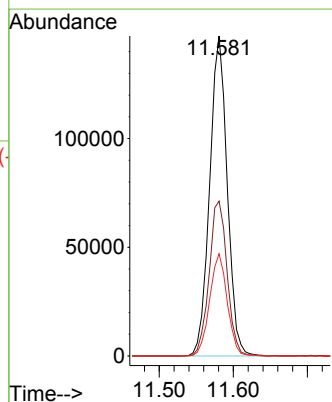
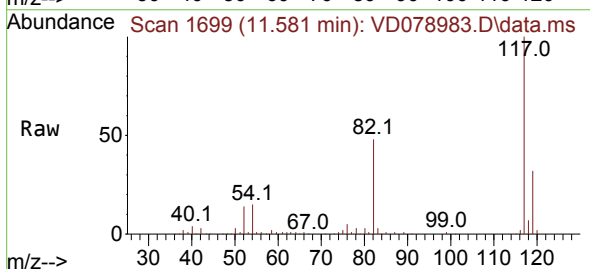
Instrument :  
MSVOA\_D  
ClientSampleId :

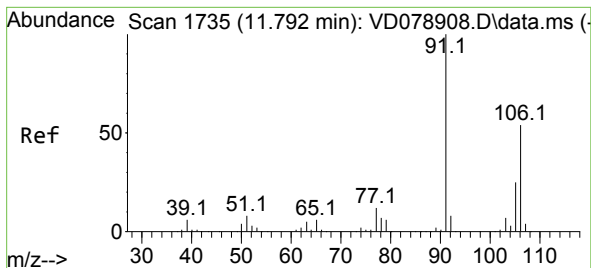
Tgt Ion: 95 Resp: 88408  
Ion Ratio Lower Upper  
95 100  
174 94.2 0.0 195.4  
176 89.6 0.0 192.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

Tgt Ion: 117 Resp: 241957  
Ion Ratio Lower Upper  
117 100  
82 48.4 39.8 59.6  
119 31.9 25.7 38.5

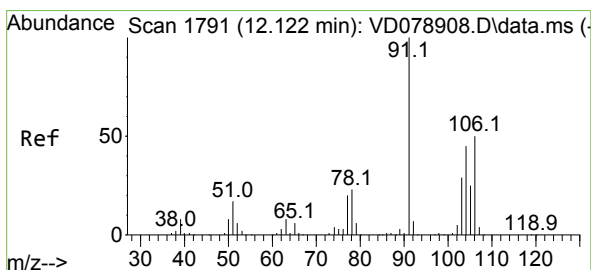
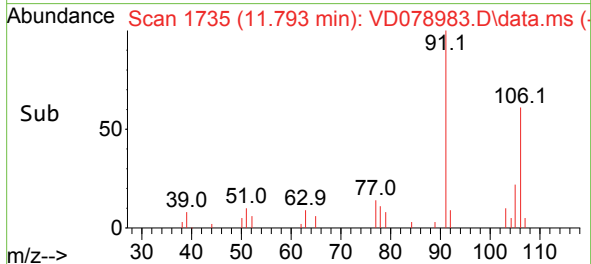
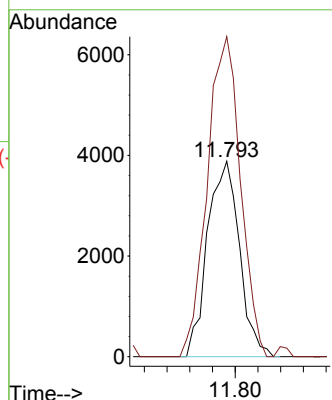
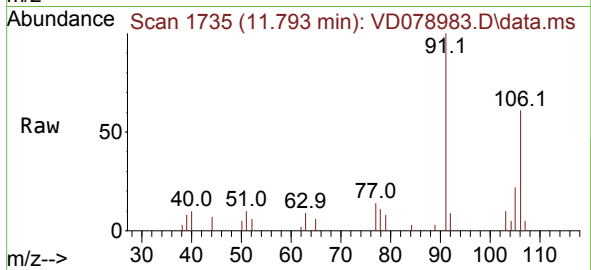




#68  
m/p-Xylenes  
Concen: 2.298 ug/l  
RT: 11.793 min Scan# 11735  
Delta R.T. 0.000 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

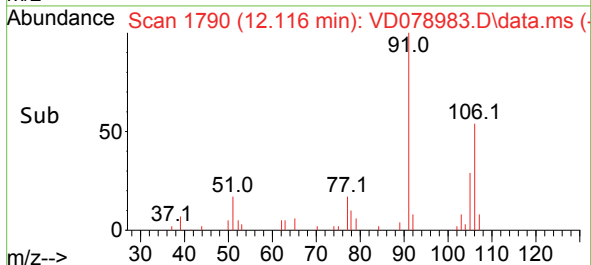
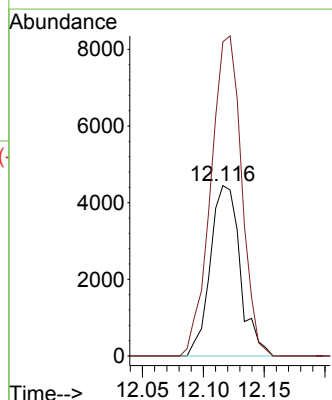
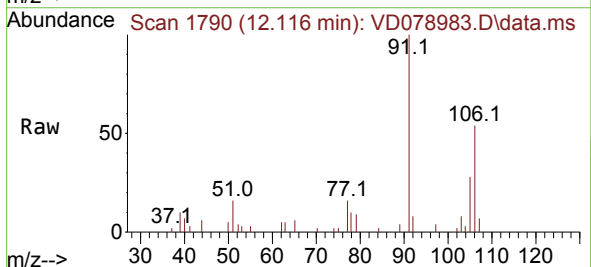
Instrument :  
MSVOA\_D  
ClientSampleId :

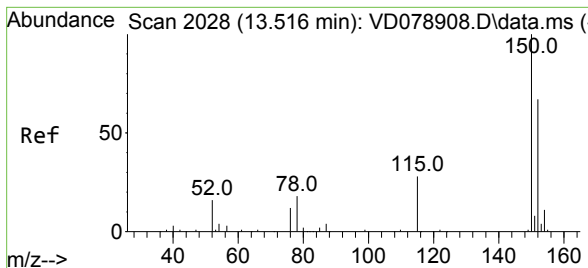
Tgt Ion:106 Resp: 7564  
Ion Ratio Lower Upper  
106 100  
91 170.4 148.5 222.7



#69  
o-Xylene  
Concen: 2.528 ug/l  
RT: 12.116 min Scan# 1790  
Delta R.T. -0.005 min  
Lab File: VD078983.D  
Acq: 22 May 2024 16:55

Tgt Ion:106 Resp: 7586  
Ion Ratio Lower Upper  
106 100  
91 193.6 96.7 290.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

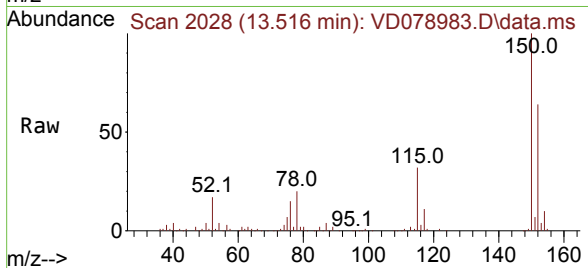
Lab File: VD078983.D

Acq: 22 May 2024 16:55

Instrument :

MSVOA\_D

ClientSampleId :



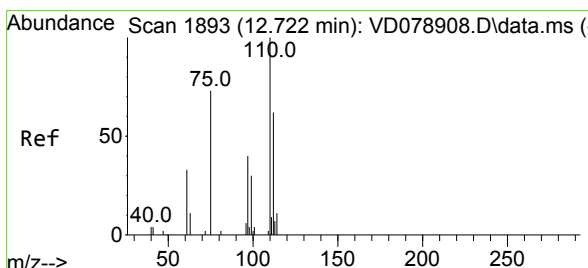
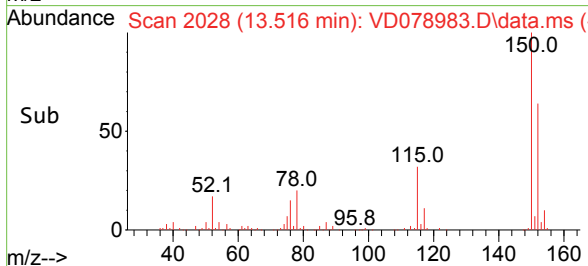
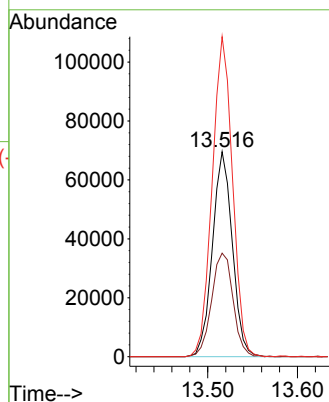
Tgt Ion:152 Resp: 107208

Ion Ratio Lower Upper

152 100

115 54.5 26.5 79.5

150 159.1 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 59.300 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD078983.D

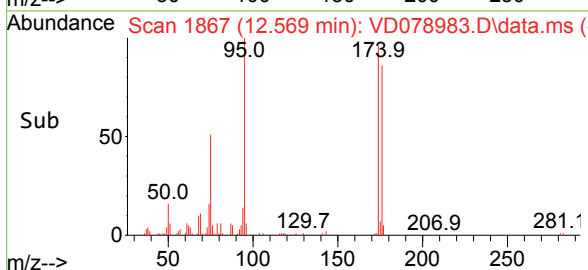
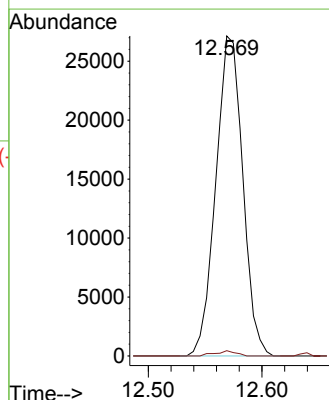
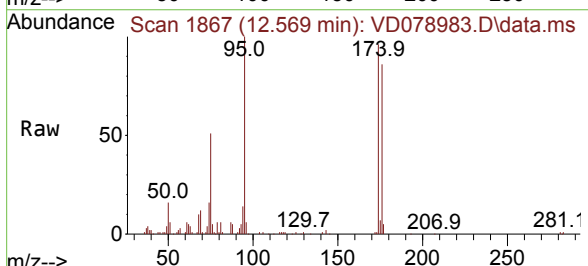
Acq: 22 May 2024 16:55

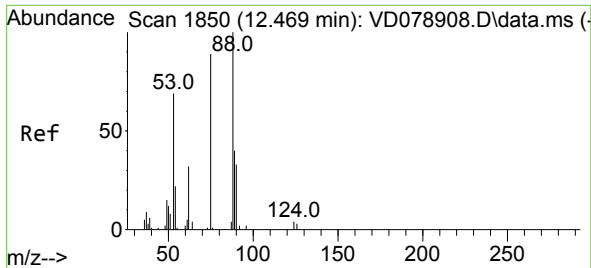
Tgt Ion: 75 Resp: 44757

Ion Ratio Lower Upper

75 100

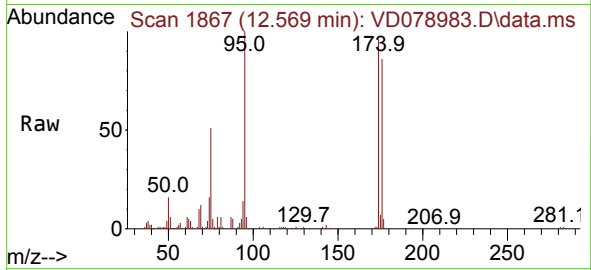
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 117.594 ug/l  
 RT: 12.569 min Scan# 1867  
 Delta R.T. 0.100 min  
 Lab File: VD078983.D  
 Acq: 22 May 2024 16:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 44757 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.2   | 61.4  | 92.2# |
| 89       | 0.0   | 35.4  | 53.0# |

