

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091823\  
 Data File : VD077140.D  
 Acq On : 18 Sep 2023 20:04  
 Operator : JC/SY  
 Sample : 04436-13  
 Misc : 3.39G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CPT102-23(9-9.5)

Quant Time: Sep 19 05:00:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091823S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 19 04:46:37 2023  
 Response via : Initial Calibration

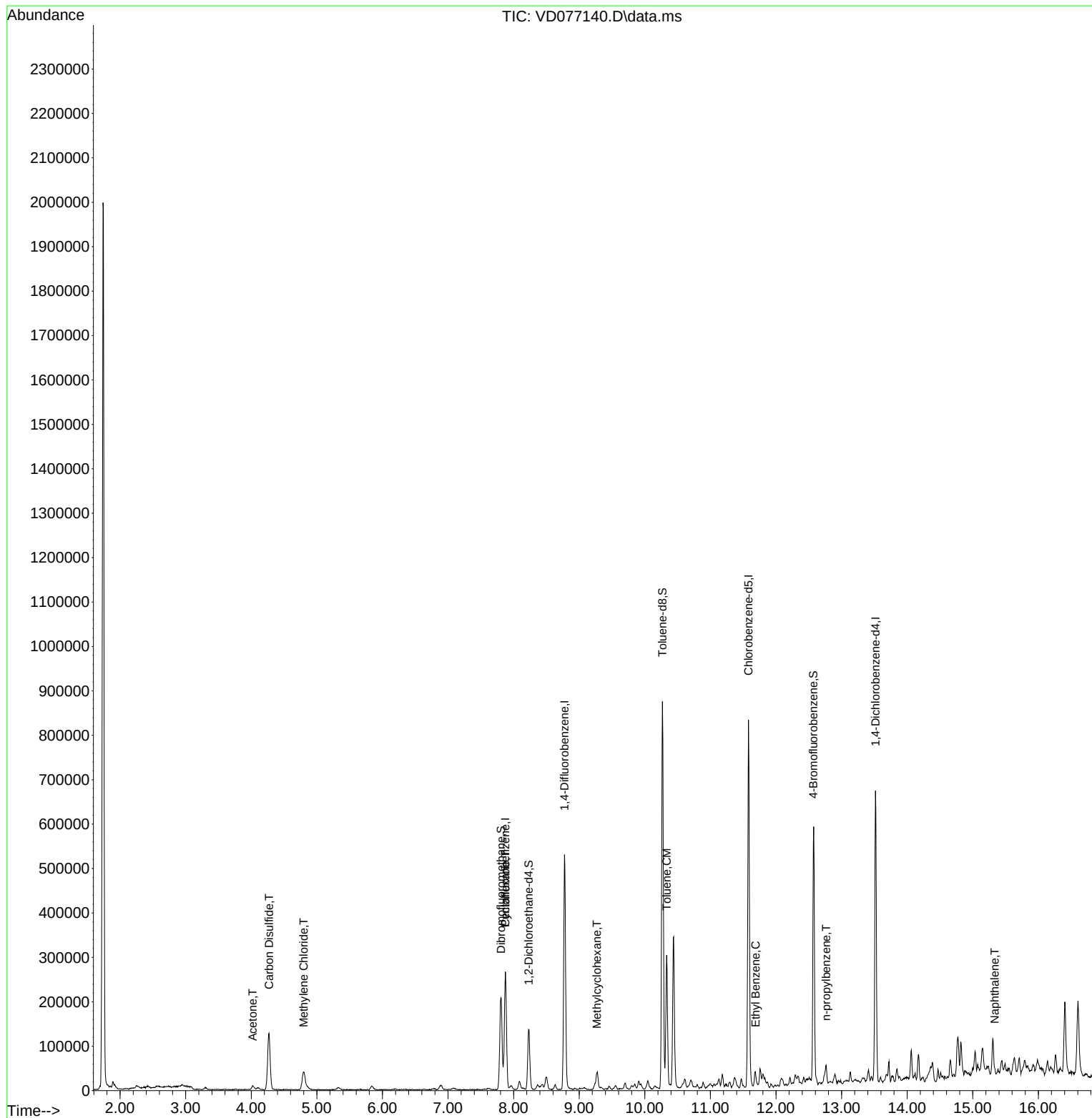
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.875     | 168   | 195783   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775     | 114   | 484146   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.581    | 117   | 495514   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516    | 152   | 185381   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.228     | 65    | 105504   | 53.396   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 106.800% |          |
| 35) Dibromofluoromethane    | 7.811     | 113   | 159243   | 47.354   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 94.700%  |          |
| 50) Toluene-d8              | 10.269    | 98    | 607612   | 50.762   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 101.520% |          |
| 62) 4-Bromofluorobenzene    | 12.569    | 95    | 184873   | 49.832   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 99.660%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.022     | 43    | 13859    | 30.689   | ug/l       | 94       |
| 17) Carbon Disulfide        | 4.270     | 76    | 269745   | 35.978   | ug/l       | 99       |
| 20) Methylene Chloride      | 4.799     | 84    | 34405    | 6.245    | ug/l       | 97       |
| 31) Cyclohexane             | 7.875     | 56    | 12178    | 3.523    | ug/l #     | 74       |
| 39) Methylcyclohexane       | 9.269     | 83    | 16195    | 2.779    | ug/l       | 94       |
| 52) Toluene                 | 10.334    | 92    | 132757   | 13.244   | ug/l       | 95       |
| 67) Ethyl Benzene           | 11.687    | 91    | 24611    | 1.228    | ug/l       | 88       |
| 78) n-propylbenzene         | 12.763    | 91    | 29126    | 1.740    | ug/l       | 97       |
| 95) Naphthalene             | 15.334    | 128   | 9554     | 1.404    | ug/l       | 99       |
| -----                       |           |       |          |          |            |          |

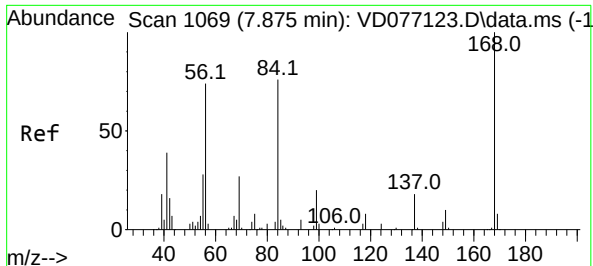
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CPT102-23(9-9.5)

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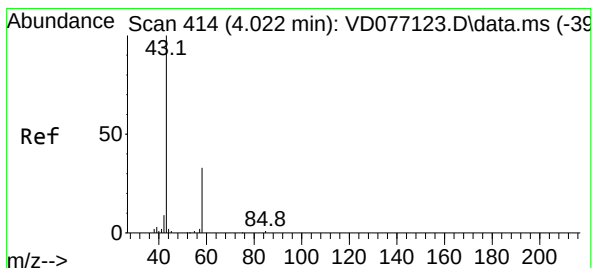
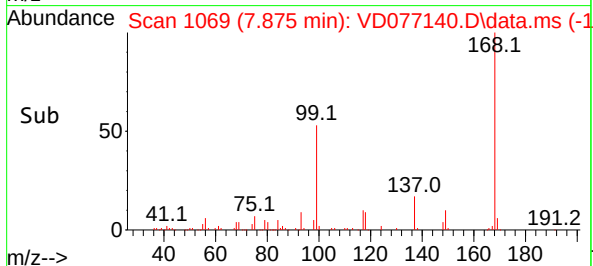
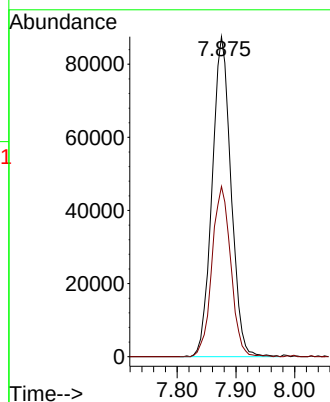
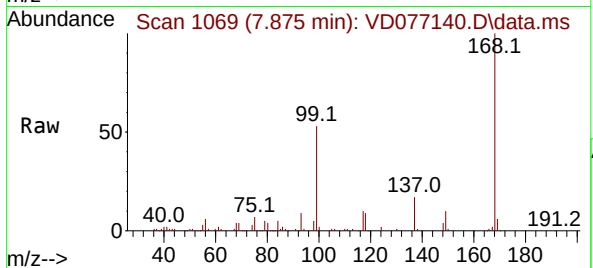




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

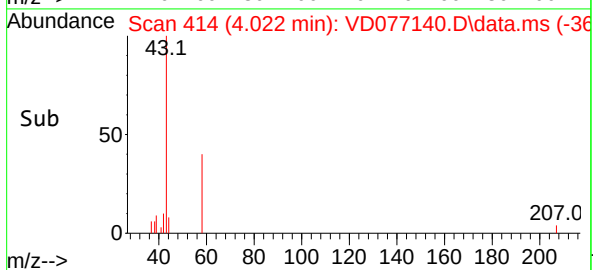
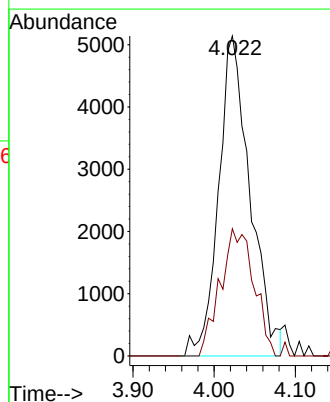
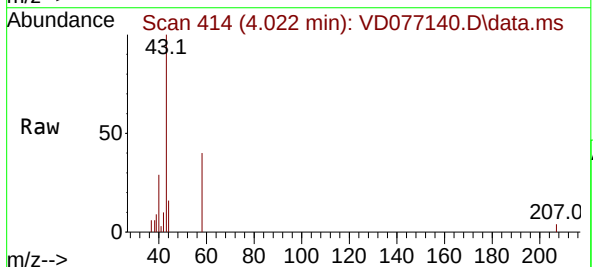
Instrument :  
MSVOA\_D  
ClientSampleId :  
CPT102-23(9-9.5)

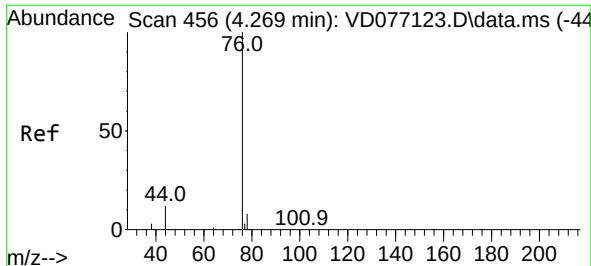
Tgt Ion:168 Resp: 195783  
Ion Ratio Lower Upper  
168 100  
99 53.2 36.7 55.1



#16  
Acetone  
Concen: 30.689 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

Tgt Ion: 43 Resp: 13859  
Ion Ratio Lower Upper  
43 100  
58 39.8 34.7 52.1

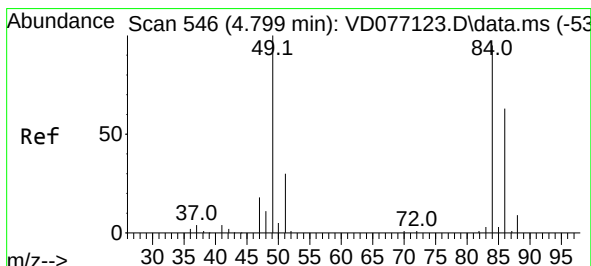
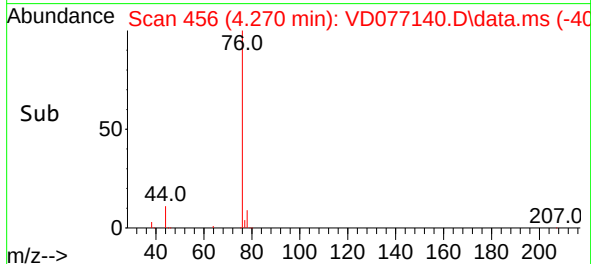
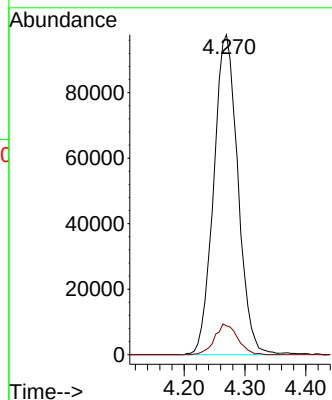
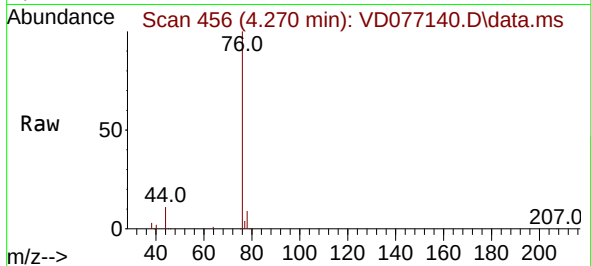




#17  
Carbon Disulfide  
Concen: 35.978 ug/l  
RT: 4.270 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

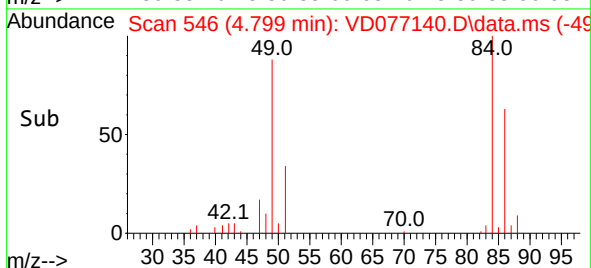
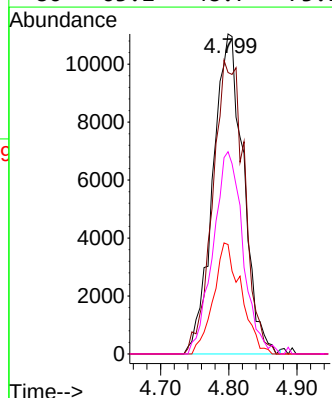
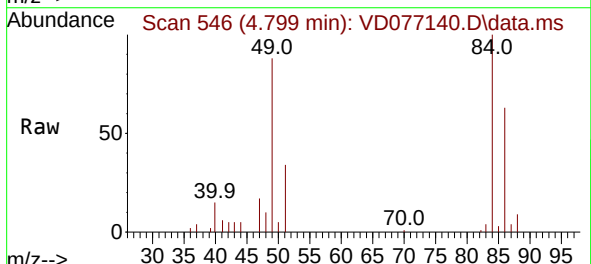
Instrument :  
MSVOA\_D  
ClientSampleId :  
CPT102-23(9-9.5)

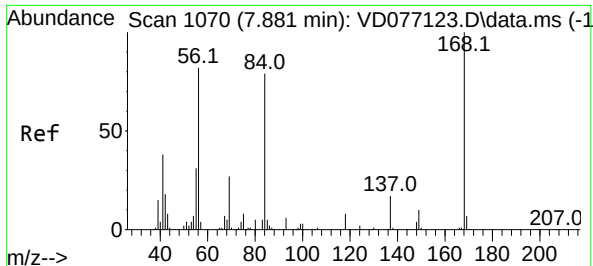
Tgt Ion: 76 Resp: 269745  
Ion Ratio Lower Upper  
76 100  
78 9.0 6.8 10.2



#20  
Methylene Chloride  
Concen: 6.245 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

Tgt Ion: 84 Resp: 34405  
Ion Ratio Lower Upper  
84 100  
49 87.9 71.4 107.2  
51 34.2 24.5 36.7  
86 63.2 48.7 73.1

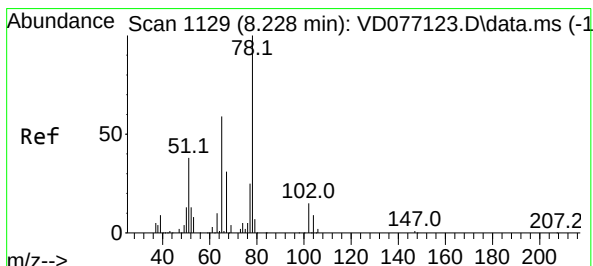
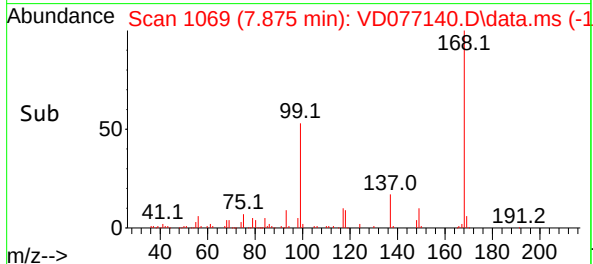
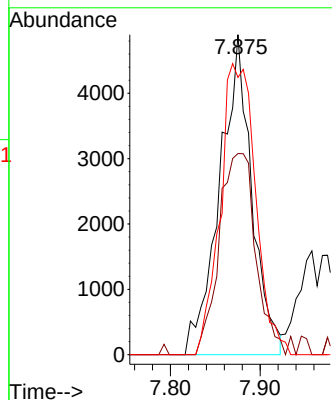
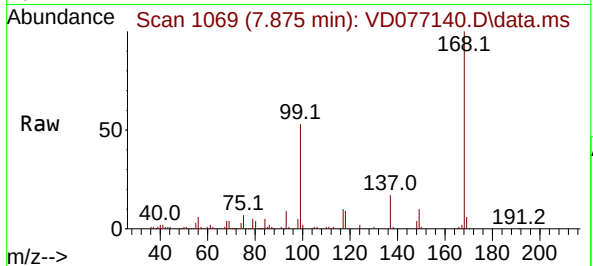




#31  
Cyclohexane  
Concen: 3.523 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

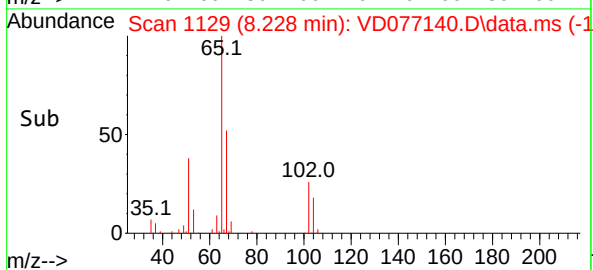
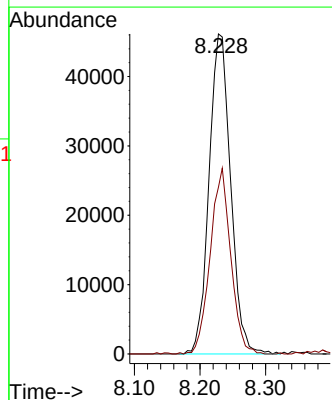
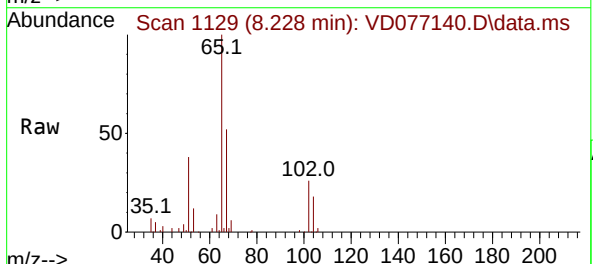
Instrument :  
MSVOA\_D  
ClientSampleId :  
CPT102-23(9-9.5)

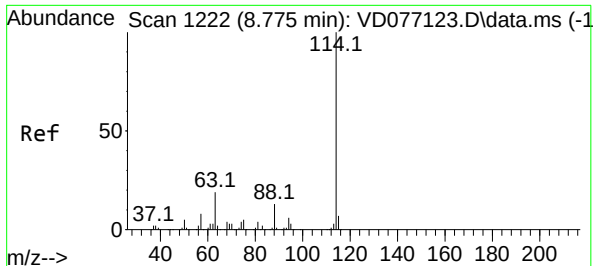
Tgt Ion: 56 Resp: 12178  
Ion Ratio Lower Upper  
56 100  
69 62.9 28.6 43.0#  
84 86.7 84.8 127.2



#33  
1,2-Dichloroethane-d4  
Concen: 53.396 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

Tgt Ion: 65 Resp: 105504  
Ion Ratio Lower Upper  
65 100  
67 55.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Instrument :

MSVOA\_D

ClientSampleId :

CPT102-23(9-9.5)

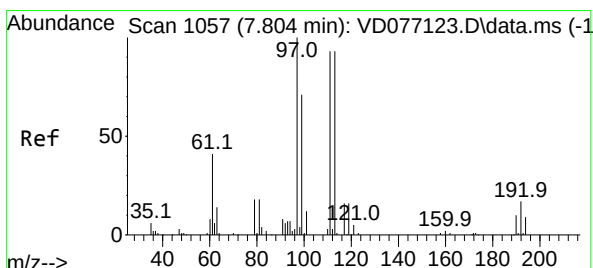
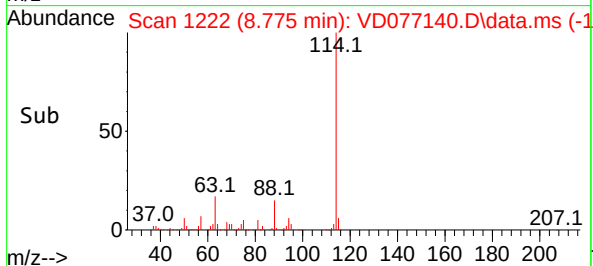
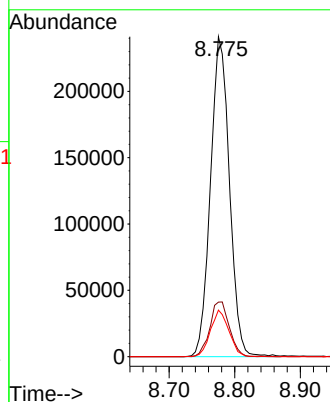
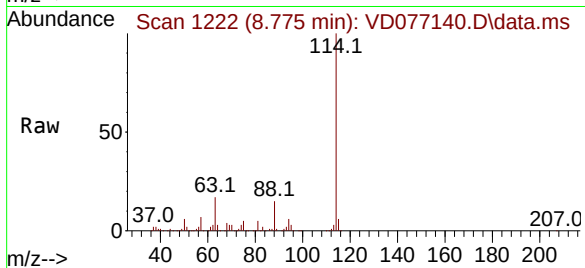
Tgt Ion:114 Resp: 484146

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 14.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.354 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

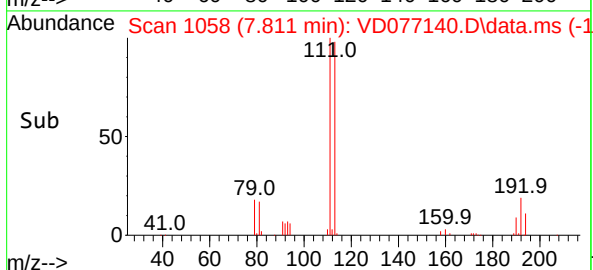
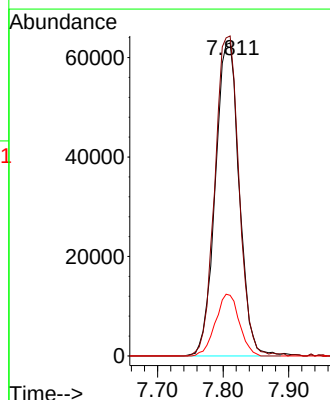
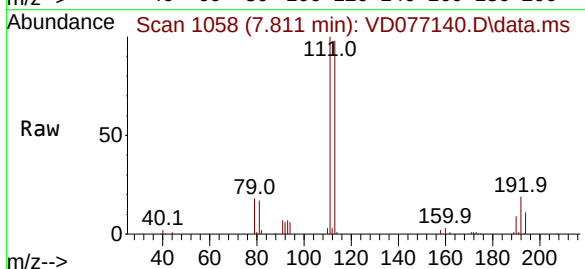
Tgt Ion:113 Resp: 159243

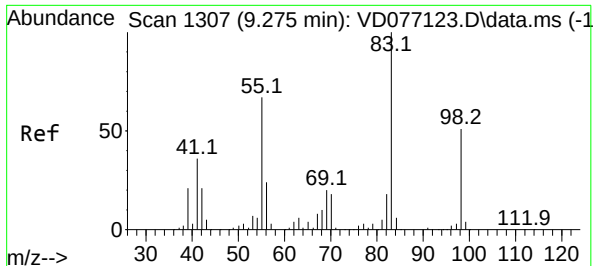
Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 19.6 16.8 25.2





#39

Methylcyclohexane

Concen: 2.779 ug/l

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Instrument :

MSVOA\_D

ClientSampleId :

CPT102-23(9-9.5)

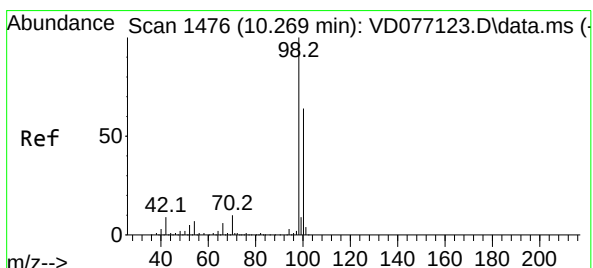
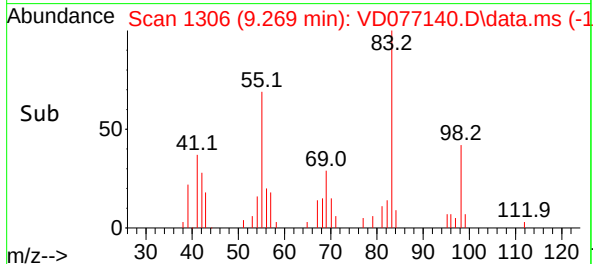
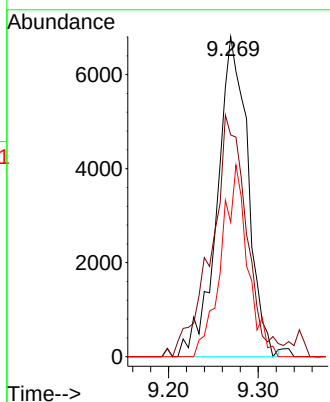
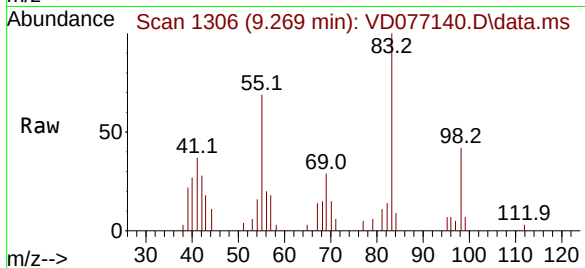
Tgt Ion: 83 Resp: 16195

Ion Ratio Lower Upper

83 100

55 65.2 49.4 74.0

98 42.0 38.4 57.6



#50

Toluene-d8

Concen: 50.762 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077140.D

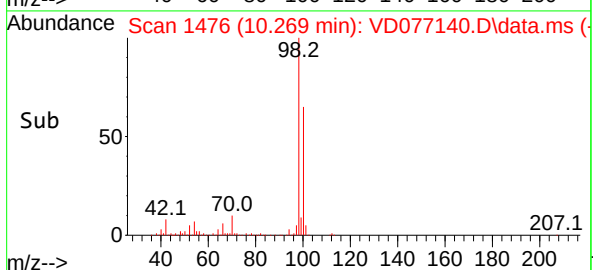
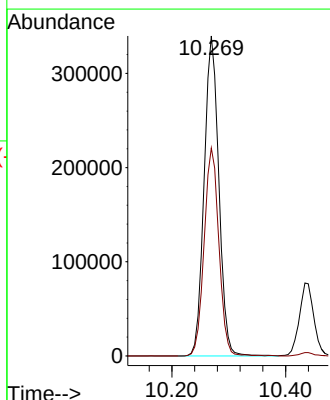
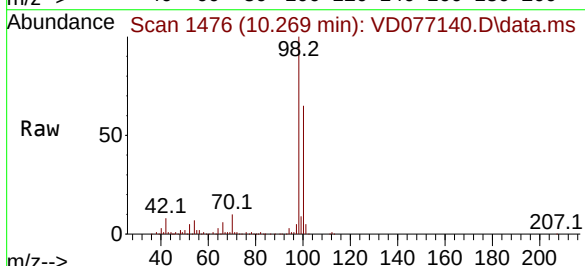
Acq: 18 Sep 2023 20:04

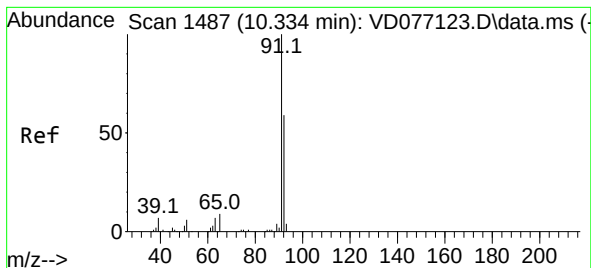
Tgt Ion: 98 Resp: 607612

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5





#52

Toluene

Concen: 13.244 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Instrument :

MSVOA\_D

ClientSampleId :

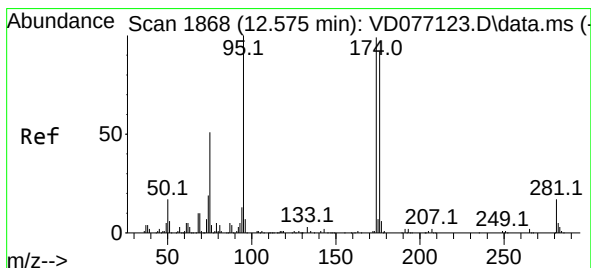
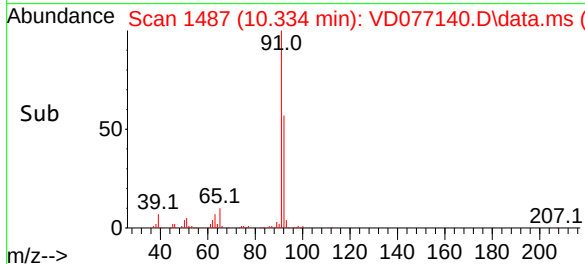
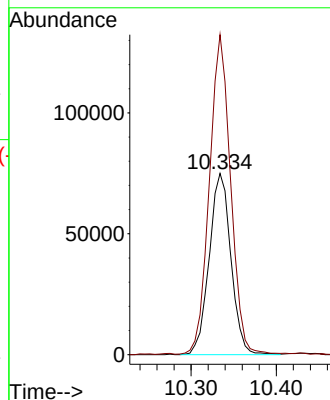
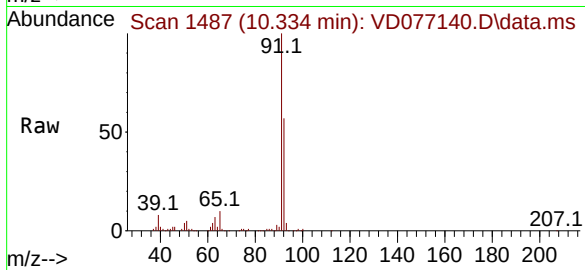
CPT102-23(9-9.5)

Tgt Ion: 92 Resp: 132757

Ion Ratio Lower Upper

92 100

91 172.0 143.0 214.4



#62

4-Bromofluorobenzene

Concen: 49.832 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

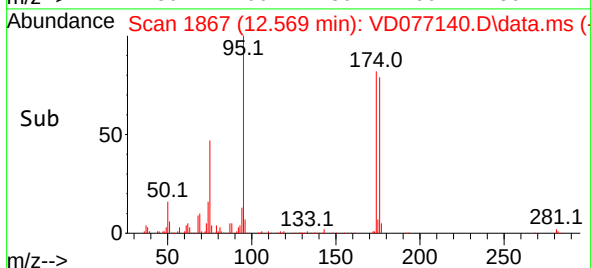
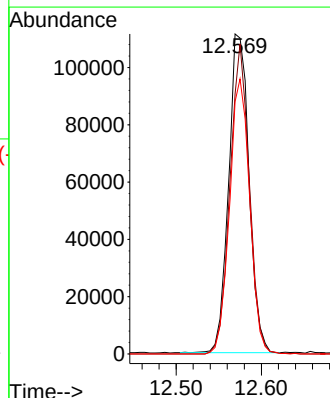
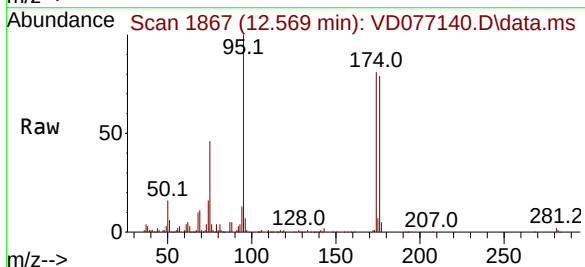
Tgt Ion: 95 Resp: 184873

Ion Ratio Lower Upper

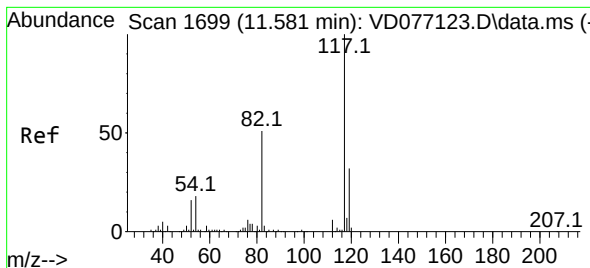
95 100

174 92.4 0.0 201.8

176 85.5 0.0 191.8



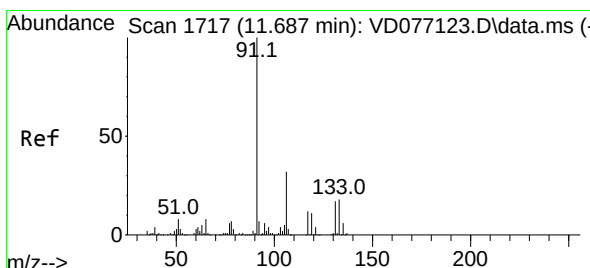
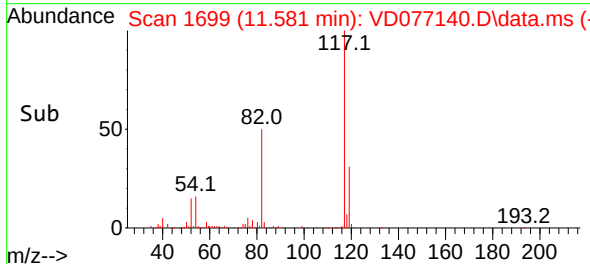
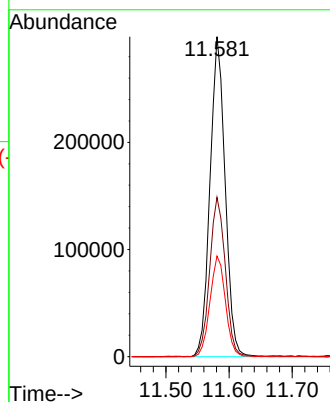
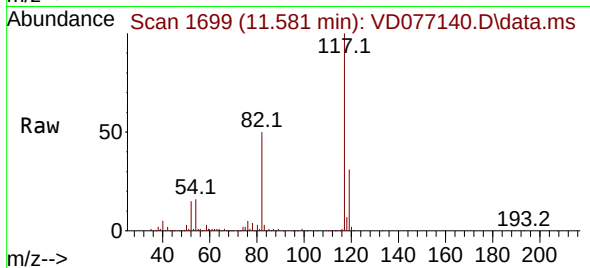




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

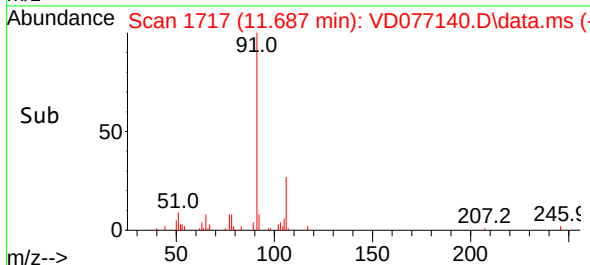
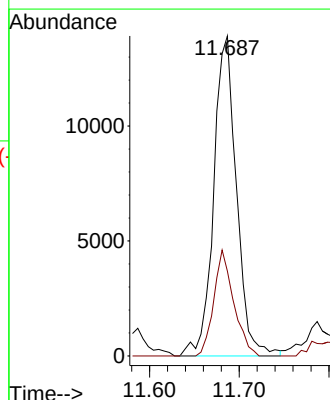
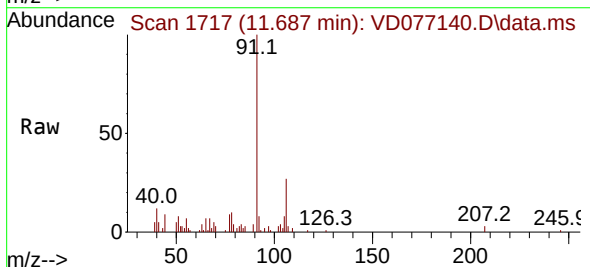
Instrument :  
MSVOA\_D  
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CPT102-23(9-9.5)

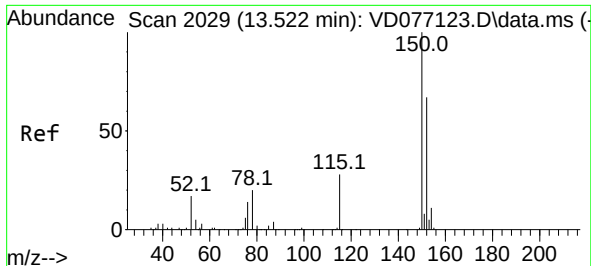
Tgt Ion:117 Resp: 495514  
Ion Ratio Lower Upper  
117 100  
82 49.7 38.3 57.5  
119 31.4 25.0 37.4



#67  
Ethyl Benzene  
Concen: 1.228 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

Tgt Ion: 91 Resp: 24611  
Ion Ratio Lower Upper  
91 100  
106 26.5 26.5 39.7

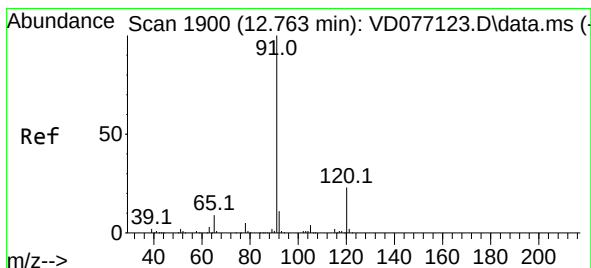
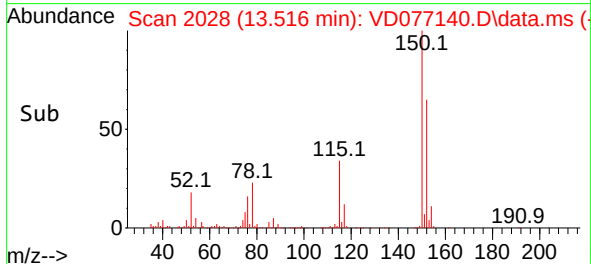
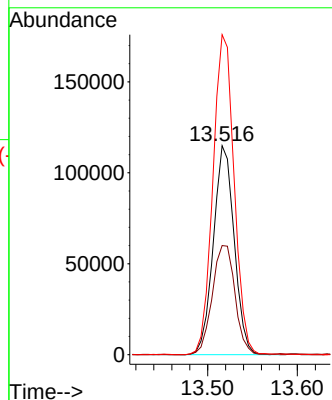
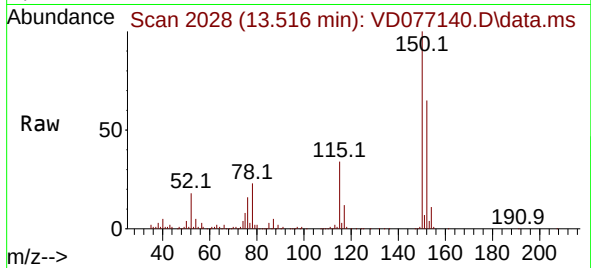




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

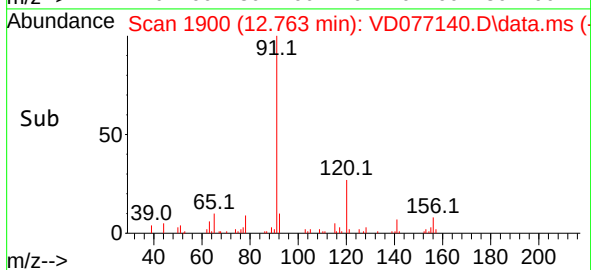
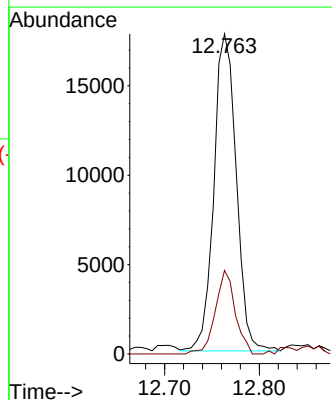
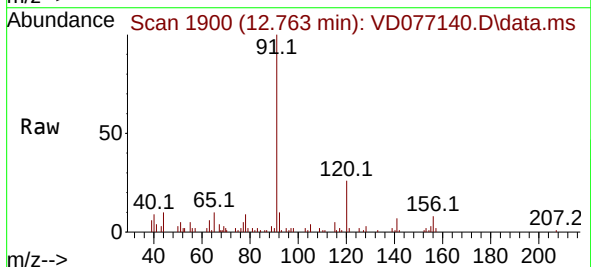
Instrument :  
MSVOA\_D  
ClientSampleId :  
CPT102-23(9-9.5)

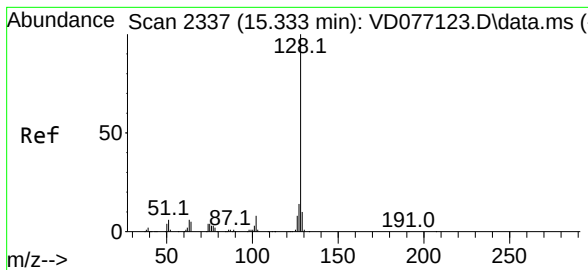
Tgt Ion:152 Resp: 185381  
Ion Ratio Lower Upper  
152 100  
115 57.0 27.1 81.3  
150 156.0 0.0 353.6



#78  
n-propylbenzene  
Concen: 1.740 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD077140.D  
Acq: 18 Sep 2023 20:04

Tgt Ion: 91 Resp: 29126  
Ion Ratio Lower Upper  
91 100  
120 23.4 12.4 37.2





#95  
 Naphthalene  
 Concen: 1.404 ug/l  
 RT: 15.334 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD077140.D  
 Acq: 18 Sep 2023 20:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CPT102-23(9-9.5)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 9554  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.6  | 10.5  | 15.7  |
| 129      | 11.2  | 8.7   | 13.1  |

