

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010322\  
 Data File : VD071570.D  
 Acq On : 03 Jan 2022 17:13  
 Operator : VA/SY  
 Sample : M5196-13  
 Misc : 6.81G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-7-(2.5-3.5)

Quant Time: Jan 04 00:49:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 466551   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 804296   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 779127   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 354906   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 239093   | 38.587   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 77.180%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 241149   | 44.612   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 89.220%  |
| 50) Toluene-d8              | 10.338 | 98    | 1031757  | 50.508   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 101.020% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 369901   | 50.958   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 101.920% |

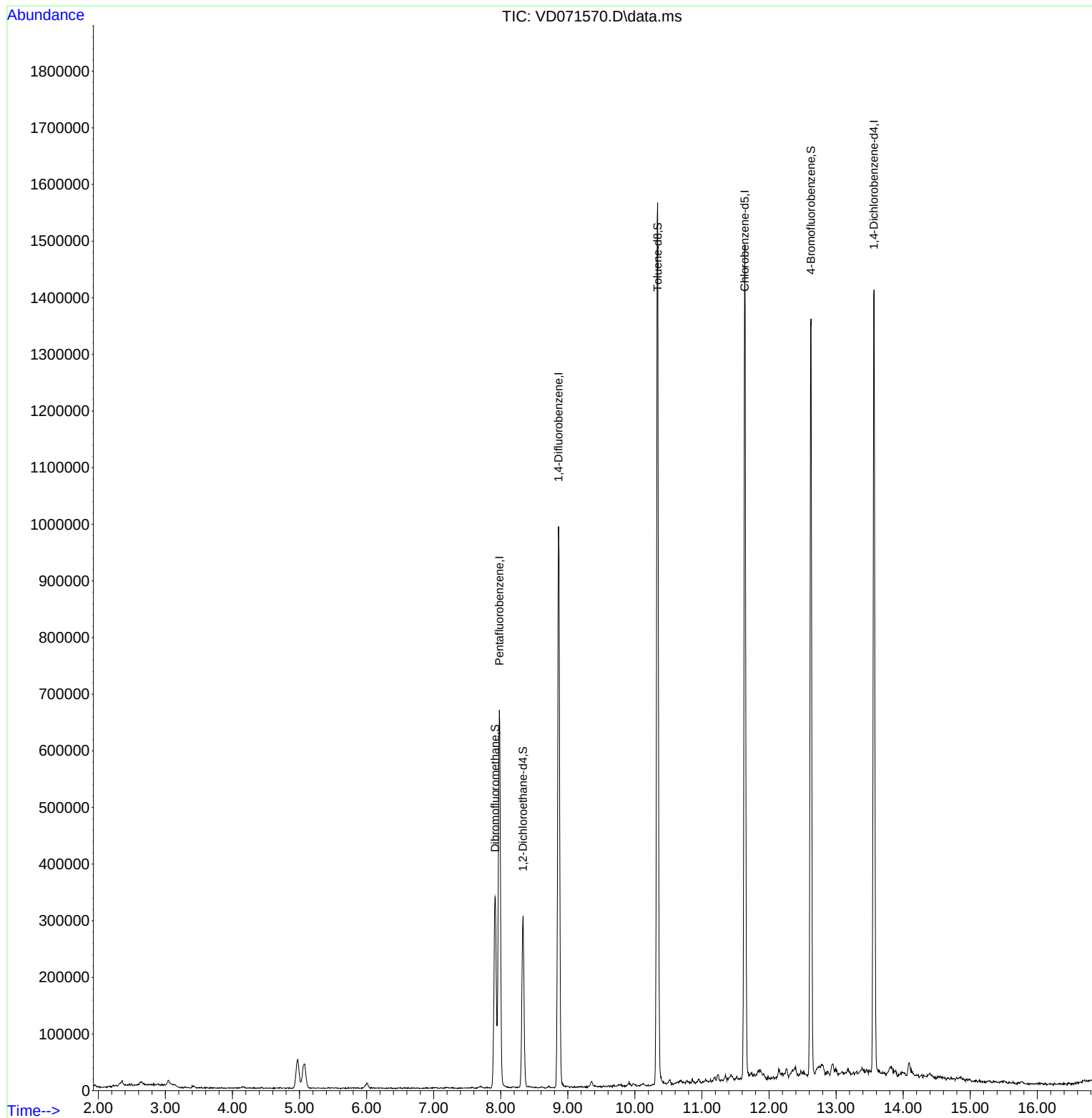
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

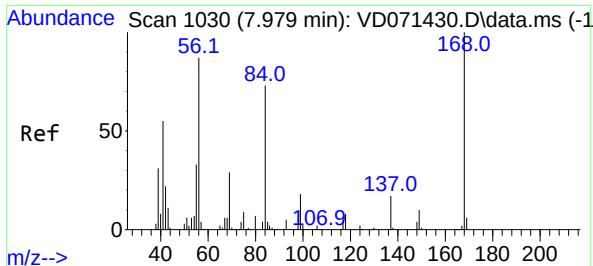
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-7-(2.5-3.5)

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Quant Title : SW846 8260  
QLast Update : Thu Dec 23 08:20:24 2021  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD071570.D

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Instrument :

MSVOA\_D

ClientSampleId :

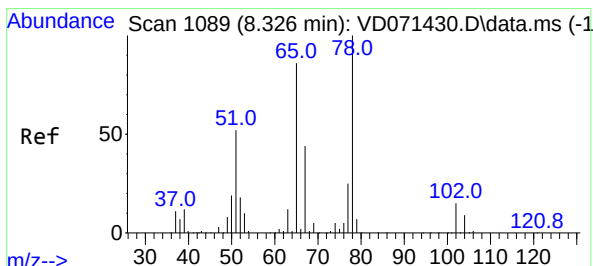
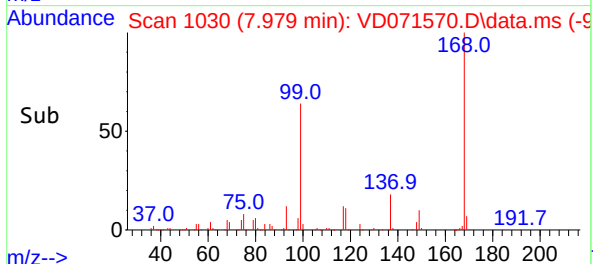
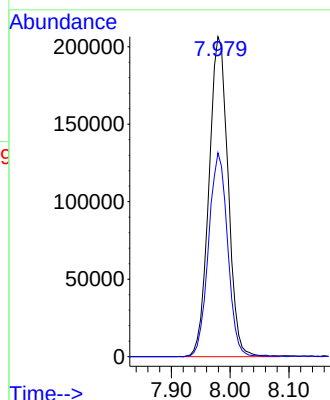
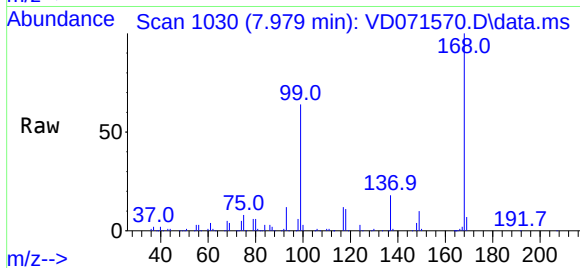
B-7-(2.5-3.5)

Tgt Ion:168 Resp: 466551

Ion Ratio Lower Upper

168 100

99 63.6 46.6 69.8



1,2-Dichloroethane-d4

Concen: 38.587 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071570.D

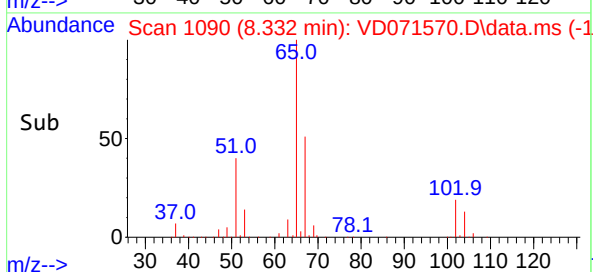
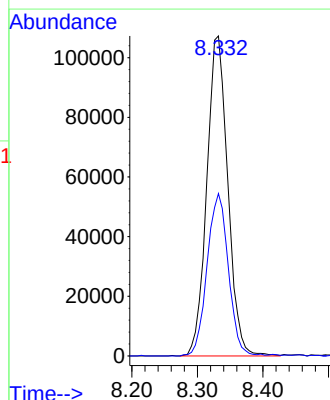
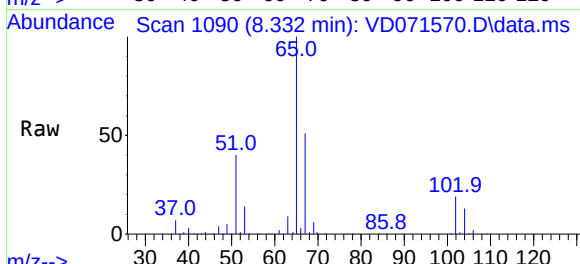
Acq: 03 Jan 2022 17:13

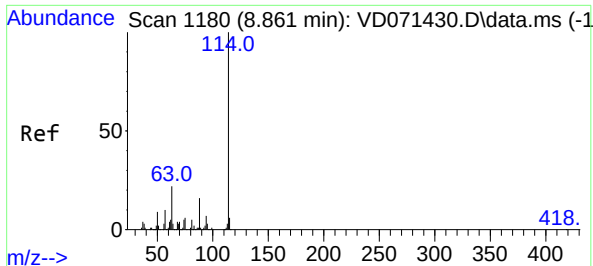
Tgt Ion: 65 Resp: 239093

Ion Ratio Lower Upper

65 100

67 51.3 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071570.D

Acq: 03 Jan 2022 17:13

Instrument :

MSVOA\_D

ClientSampleId :

B-7-(2.5-3.5)

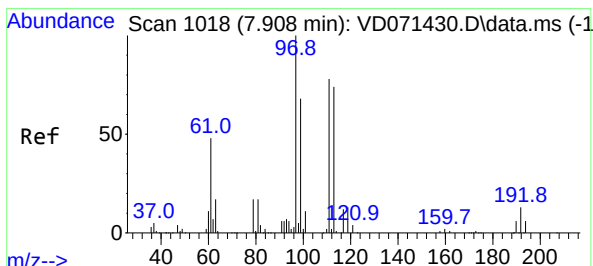
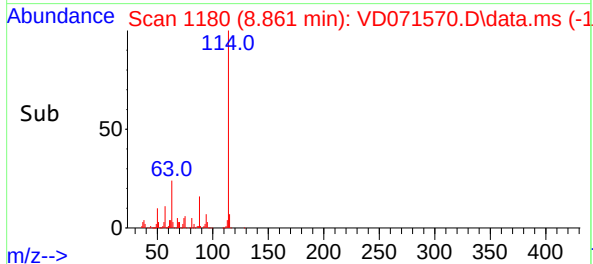
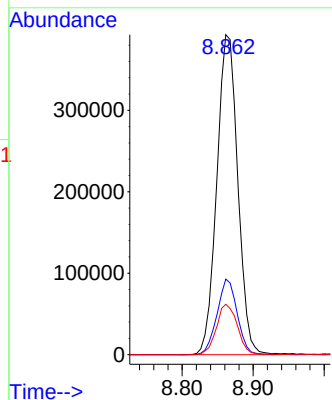
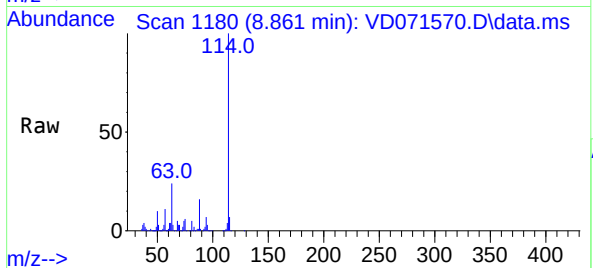
Tgt Ion:114 Resp: 804296

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 15.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 44.612 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071570.D

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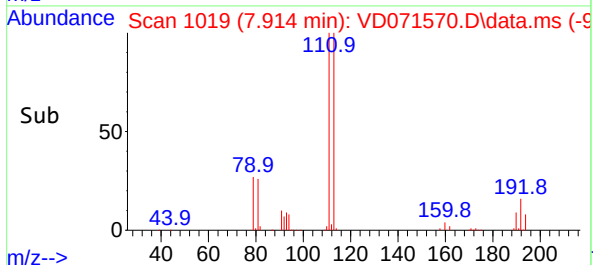
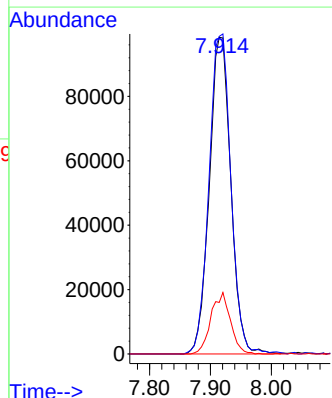
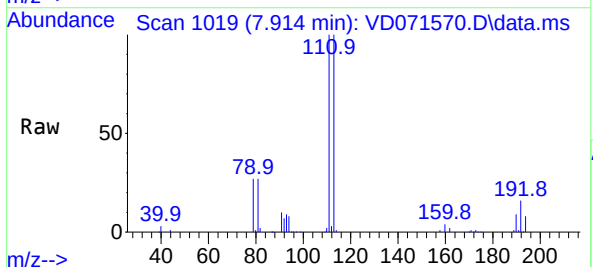
Tgt Ion:113 Resp: 241149

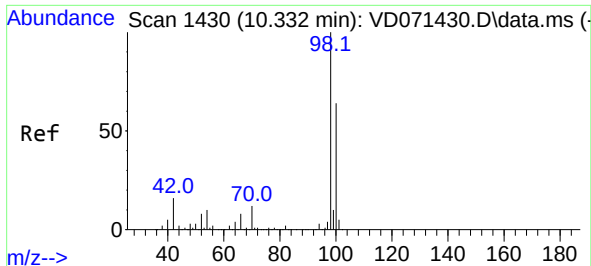
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 17.6 15.2 22.8

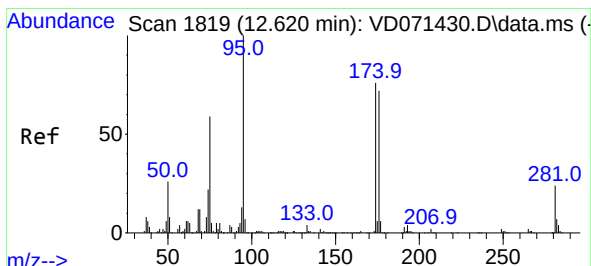
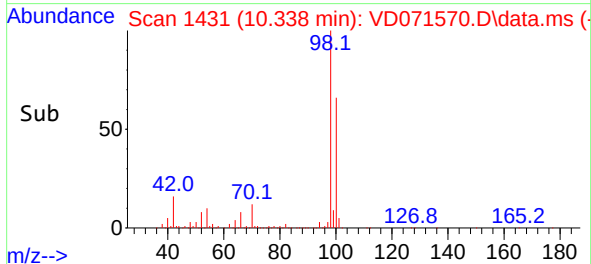
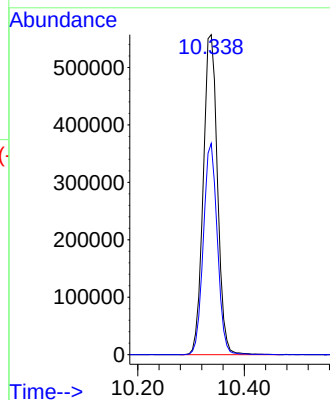
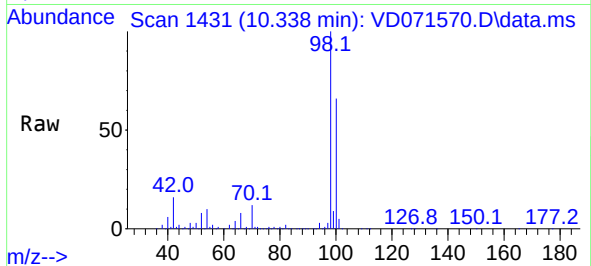




#50  
Toluene-d8  
Concen: 50.508 ug/l  
RT: 10.338 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: VD071570.D  
Acq: 03 Jan 2022 17:13

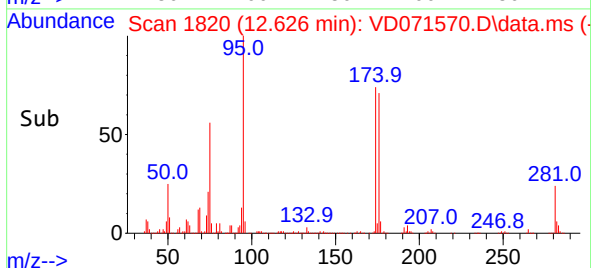
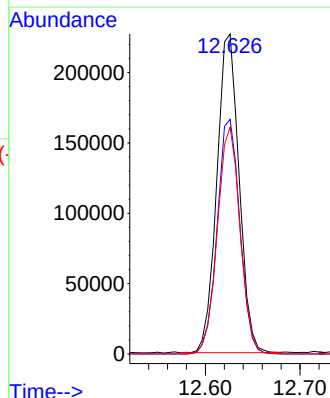
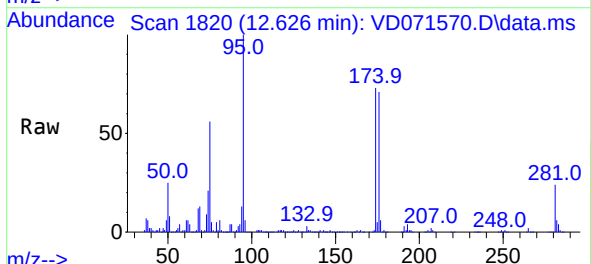
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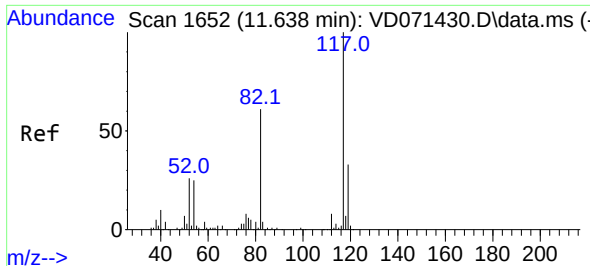
Tgt Ion: 98 Resp: 1031757  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 50.958 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD071570.D  
Acq: 03 Jan 2022 17:13

Tgt Ion: 95 Resp: 369901  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 159.4  
176 72.2 0.0 154.0

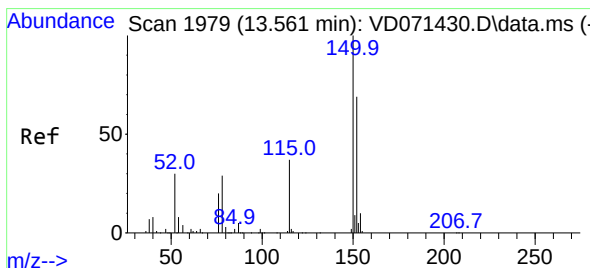
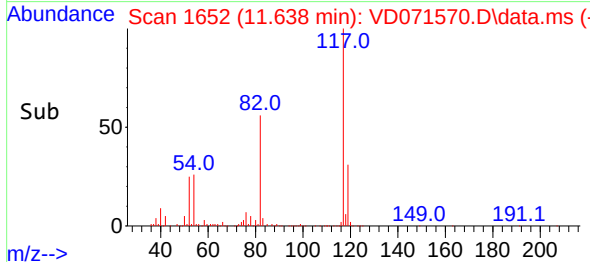
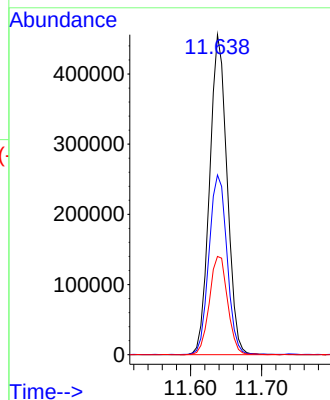
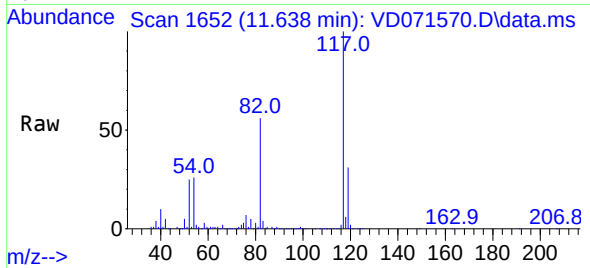




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD071570.D  
Acq: 03 Jan 2022 17:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7-(2.5-3.5)

Tgt Ion:117 Resp: 779127  
Ion Ratio Lower Upper  
117 100  
82 56.1 44.7 67.1  
119 30.7 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD071570.D  
Acq: 03 Jan 2022 17:13

Tgt Ion:152 Resp: 354906  
Ion Ratio Lower Upper  
152 100  
115 60.3 29.8 89.3  
150 158.6 0.0 349.2

