

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010522\  
 Data File : VD071610.D  
 Acq On : 05 Jan 2022 13:23  
 Operator : VA/SY  
 Sample : M5329-01  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-3-123021

Quant Time: Jan 05 15:17:26 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

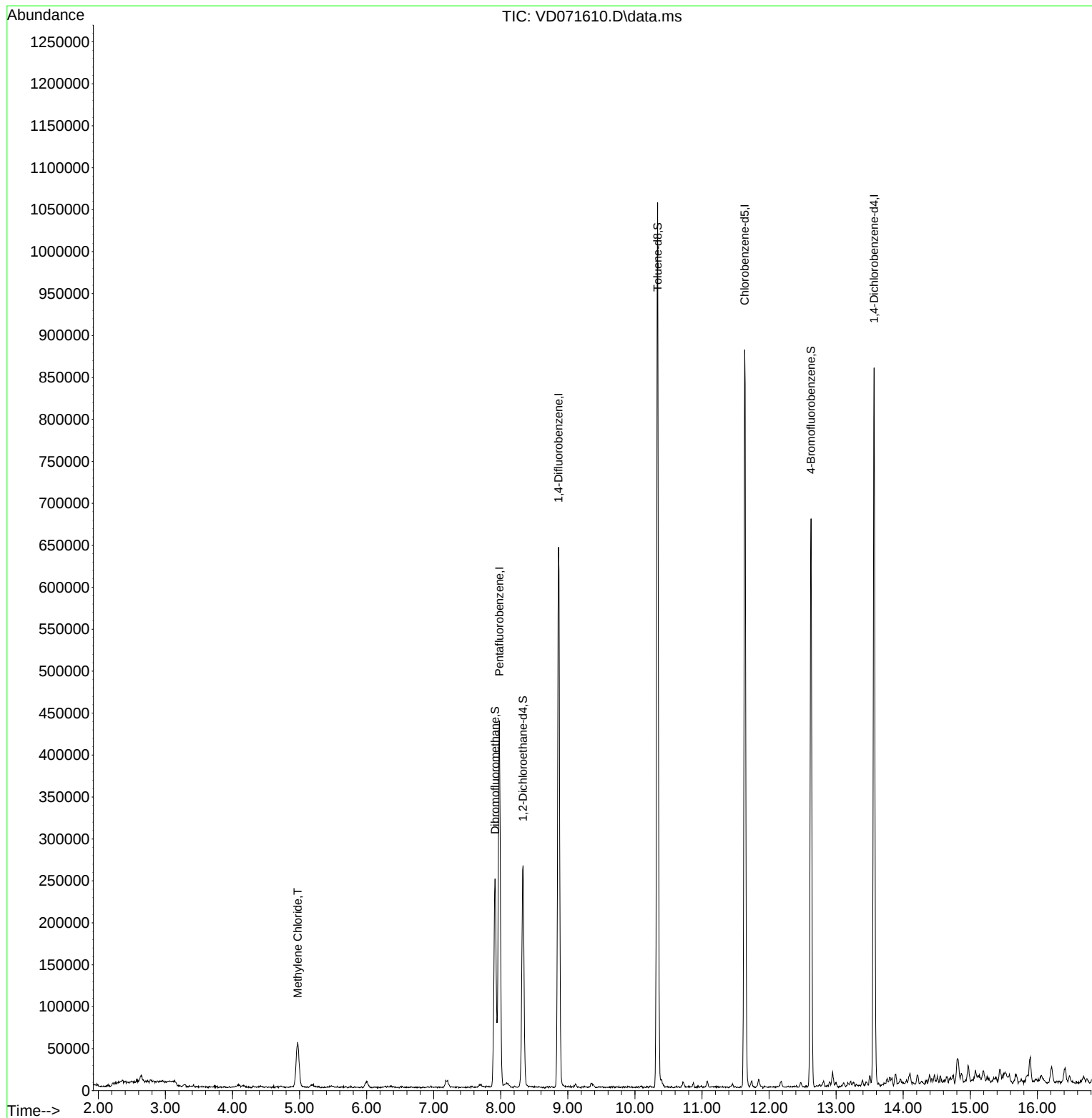
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.979  | 168   | 288036   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 520320   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 462359   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 203600   | 50.000   | ug/l  | 0.00      |
|                             |        |       |          |          |       |           |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 210883   | 55.128   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 110.260%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 171610   | 49.074   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 98.140%   |
| 50) Toluene-d8              | 10.338 | 98    | 657127   | 49.726   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 99.460%   |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 209491   | 44.611   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 89.220%   |
|                             |        |       |          |          |       |           |
| Target Compounds            |        |       |          |          |       |           |
| 20) Methylene Chloride      | 4.973  | 84    | 36856    | 3.947    | ug/l  | Qvalue 90 |
| -----                       |        |       |          |          |       |           |

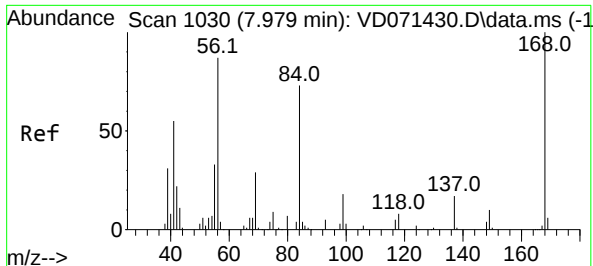
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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OR-3-123021

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Quant Title : SW846 8260  
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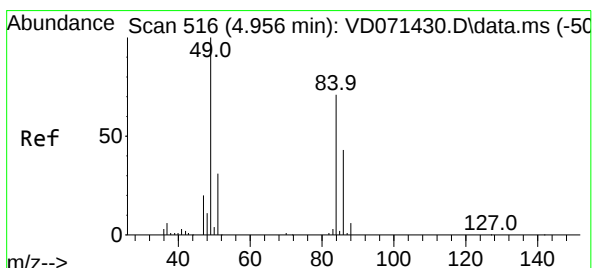
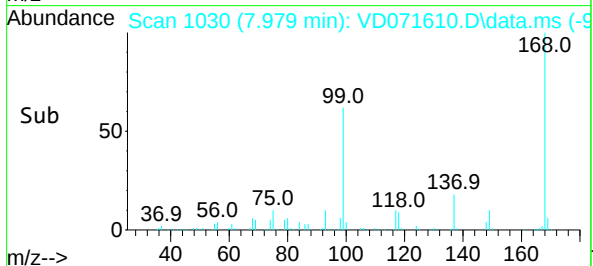
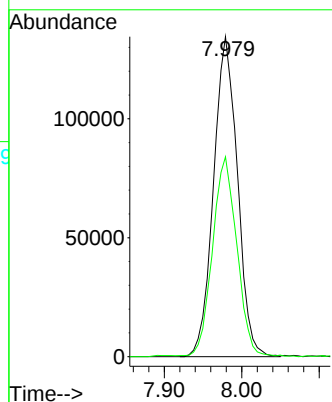
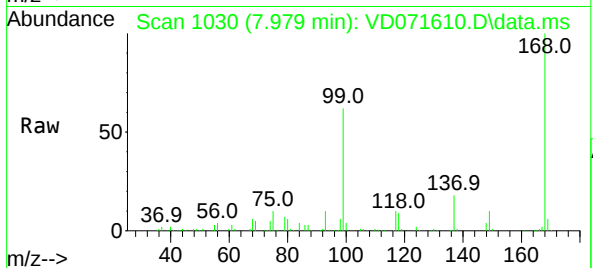




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD071610.D  
Acq: 05 Jan 2022 13:23

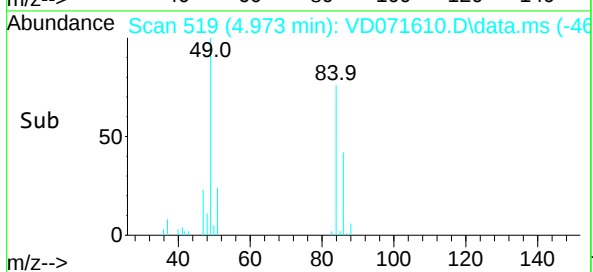
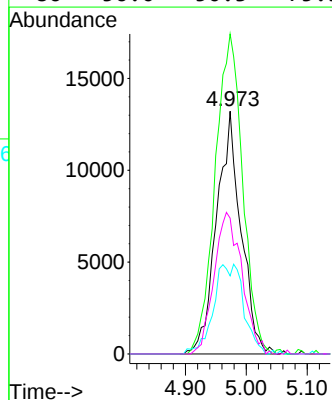
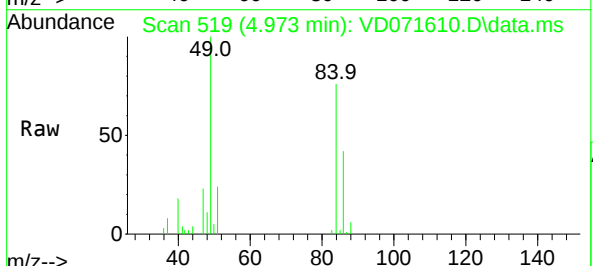
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-3-123021

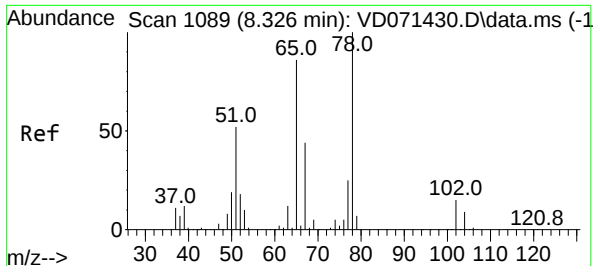
Tgt Ion:168 Resp: 288036  
Ion Ratio Lower Upper  
168 100  
99 62.1 46.6 69.8



#20  
Methylene Chloride  
Concen: 3.947 ug/l  
RT: 4.973 min Scan# 519  
Delta R.T. 0.012 min  
Lab File: VD071610.D  
Acq: 05 Jan 2022 13:23

Tgt Ion: 84 Resp: 36856  
Ion Ratio Lower Upper  
84 100  
49 131.9 95.8 143.6  
51 32.2 30.9 46.3  
86 56.0 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 55.128 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071610.D

Acq: 05 Jan 2022 13:23

Instrument :

MSVOA\_D

ClientSampleId :

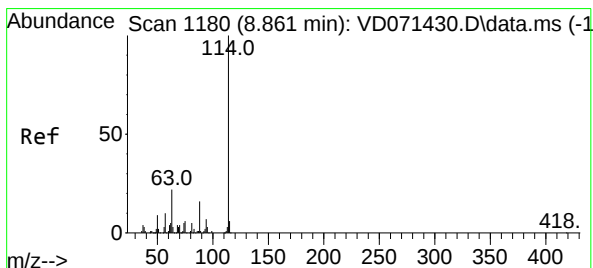
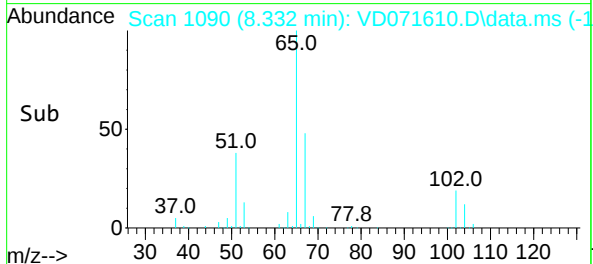
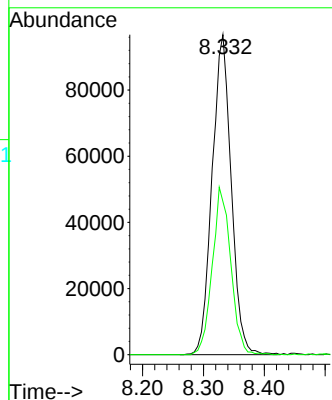
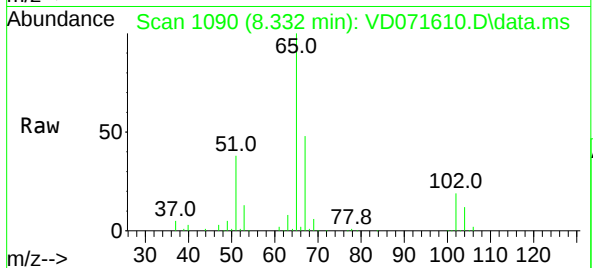
OR-3-123021

Tgt Ion: 65 Resp: 210883

Ion Ratio Lower Upper

65 100

67 50.6 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: VD071610.D

Acq: 05 Jan 2022 13:23

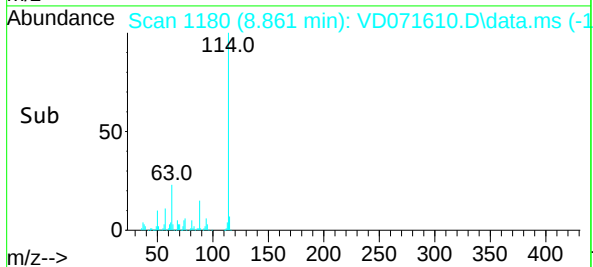
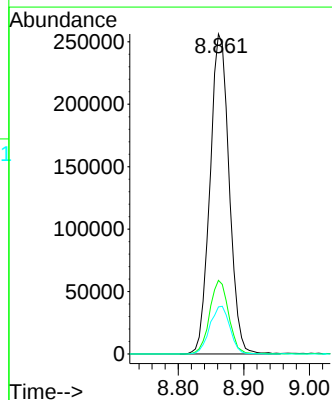
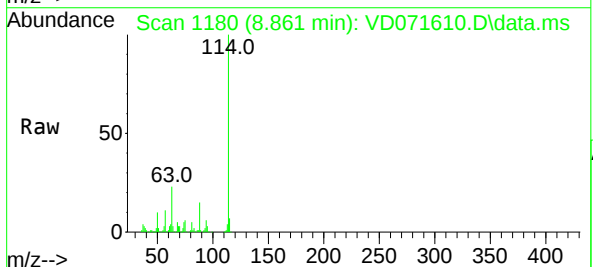
Tgt Ion: 114 Resp: 520320

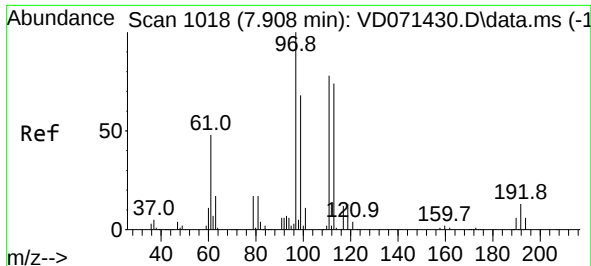
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 14.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.074 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071610.D

Acq: 05 Jan 2022 13:23

Instrument :

MSVOA\_D

ClientSampleId :

OR-3-123021

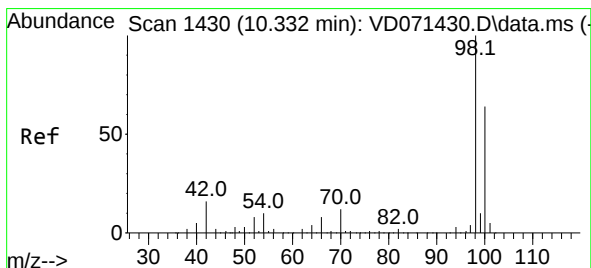
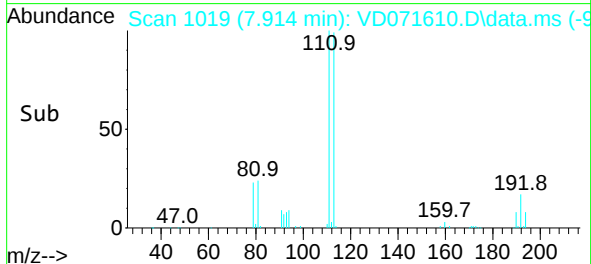
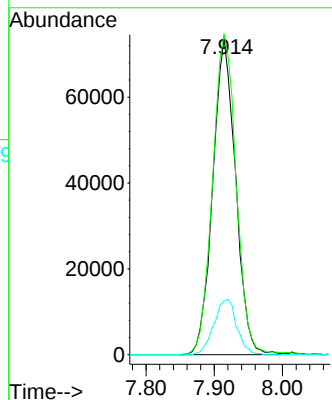
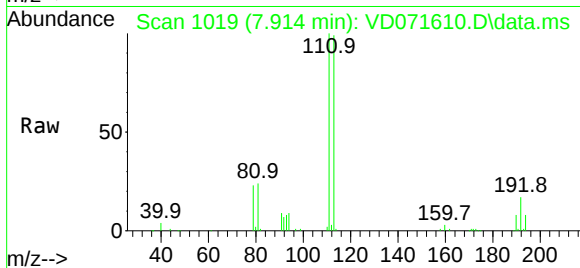
Tgt Ion:113 Resp: 171610

Ion Ratio Lower Upper

113 100

111 105.1 82.0 123.0

192 17.5 15.2 22.8



#50

Toluene-d8

Concen: 49.726 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD071610.D

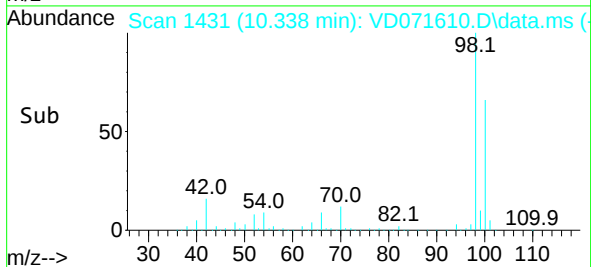
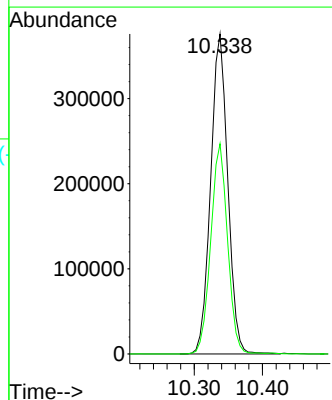
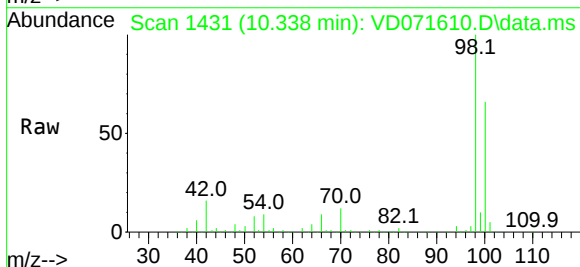
Acq: 05 Jan 2022 13:23

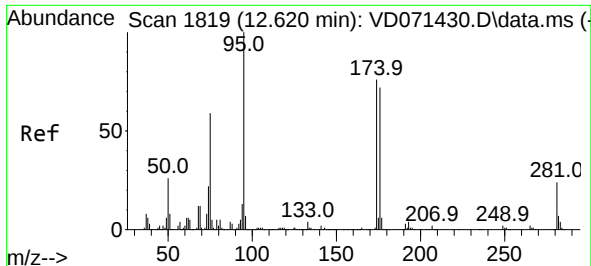
Tgt Ion: 98 Resp: 657127

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.6

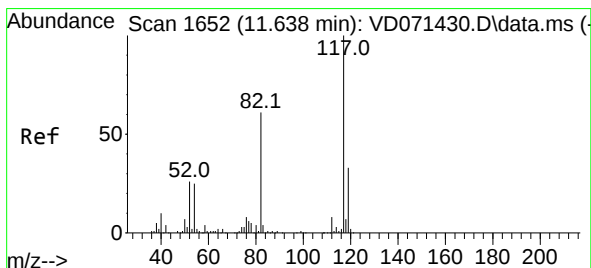
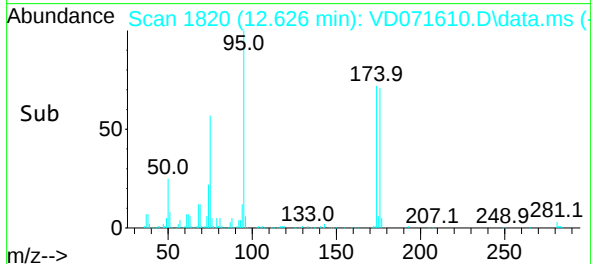
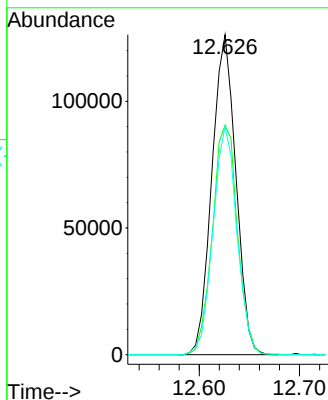
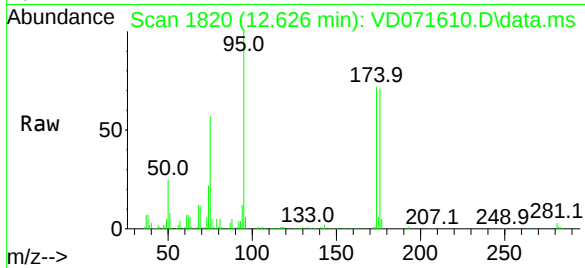




#62  
4-Bromofluorobenzene  
Concen: 44.611 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071610.D  
Acq: 05 Jan 2022 13:23

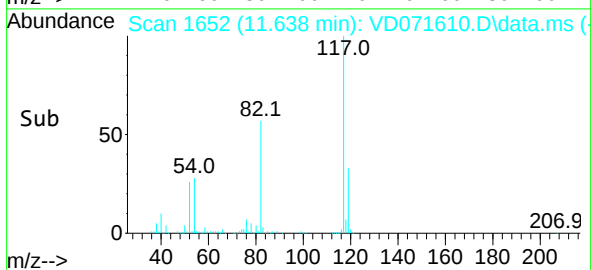
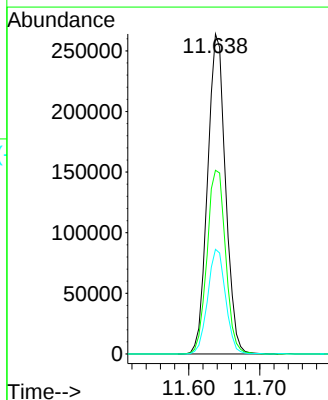
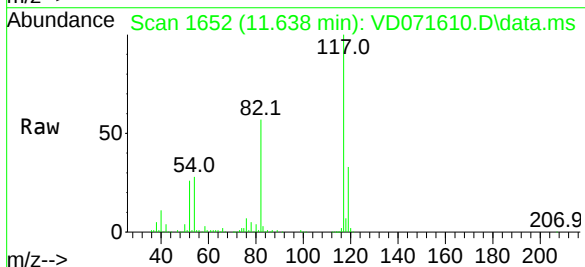
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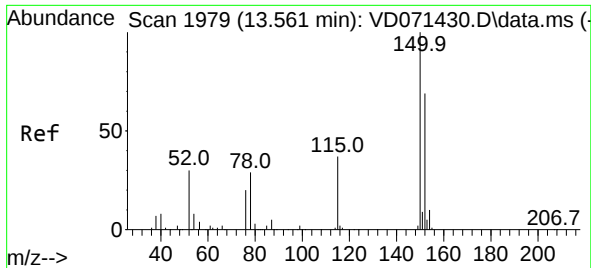
Tgt Ion: 95 Resp: 209491  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 159.4  
176 71.0 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD071610.D  
Acq: 05 Jan 2022 13:23

Tgt Ion: 117 Resp: 462359  
Ion Ratio Lower Upper  
117 100  
82 57.4 44.7 67.1  
119 32.7 26.2 39.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. 0.006 min  
 Lab File: VD071610.D  
 Acq: 05 Jan 2022 13:23

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-3-123021

Tgt Ion:152 Resp: 203600  
 Ion Ratio Lower Upper  
 152 100  
 115 60.5 29.8 89.3  
 150 157.8 0.0 349.2

