

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122821\  
 Data File : VD071507.D  
 Acq On : 28 Dec 2021 17:08  
 Operator : VA/SY  
 Sample : M5236-05  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-9-(19.5-20)

Quant Time: Dec 28 19:26:31 2021  
 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

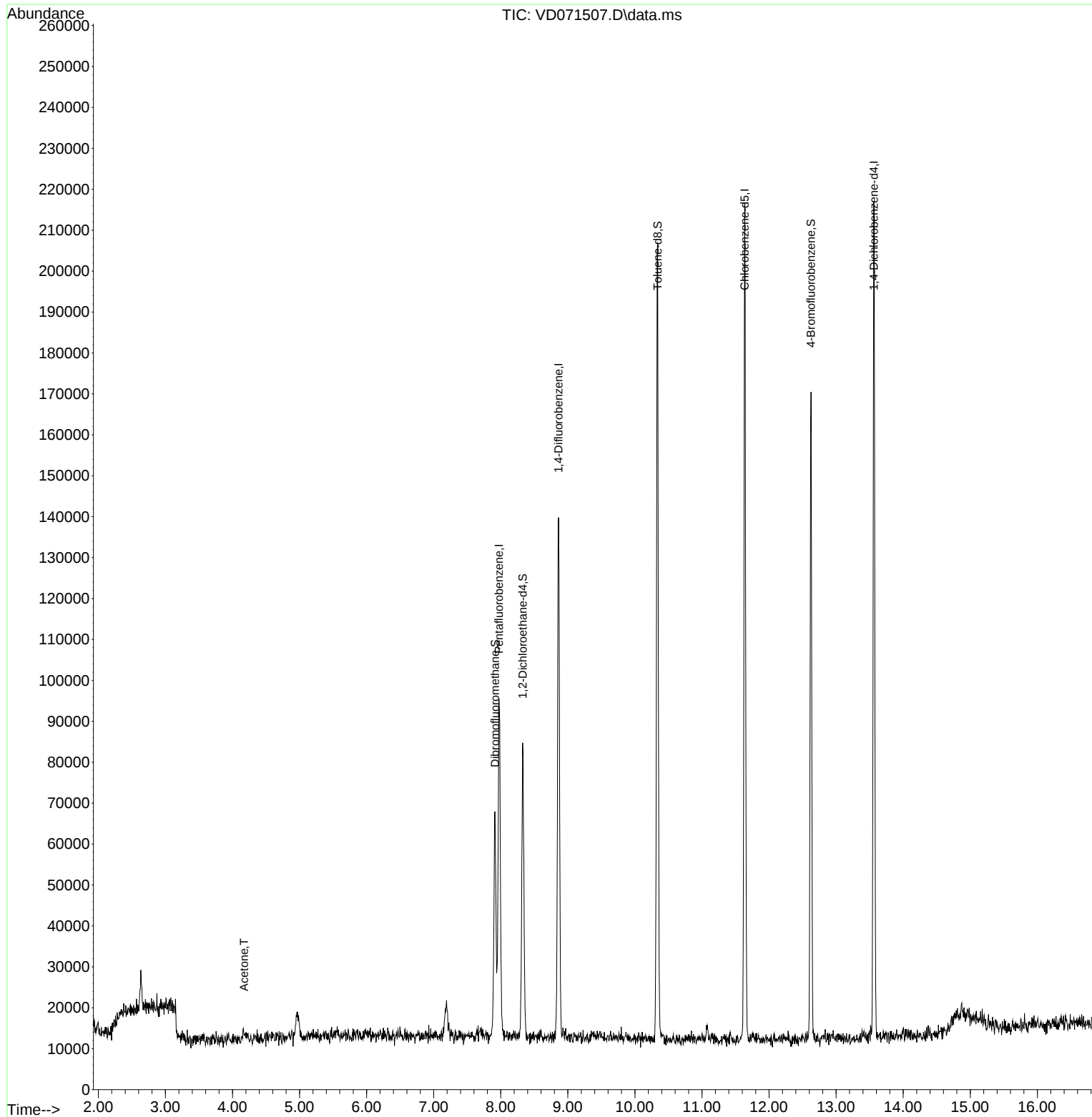
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 58900    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 101874   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 105587   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 50955    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 54878    | 70.155   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 140.300% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 35549    | 51.921   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 103.840% |
| 50) Toluene-d8              | 10.338 | 98    | 128056   | 49.492   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 98.980%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 50146    | 54.540   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 109.080% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 16) Acetone                 | 4.173  | 43    | 3599     | 18.317   | ug/l  | 95       |
| -----                       |        |       |          |          |       |          |

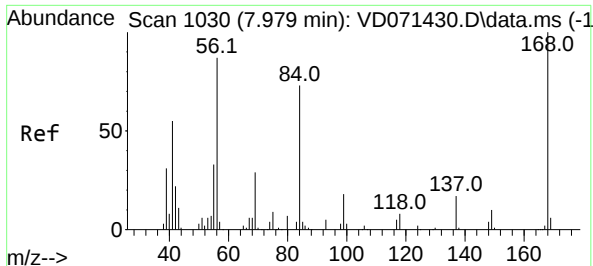
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M5236-05  
Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Time: Dec 28 19:26:31 2021  
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QLast Update : Thu Dec 23 08:20:24 2021  
Response via : Initial Calibration

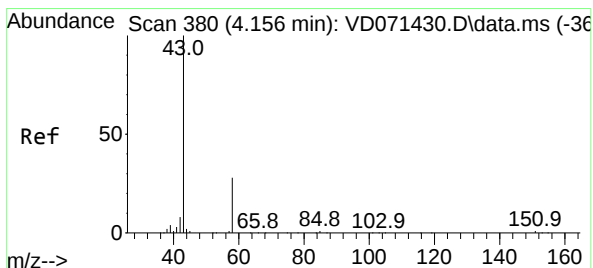
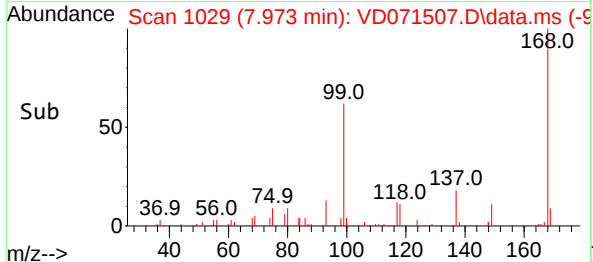
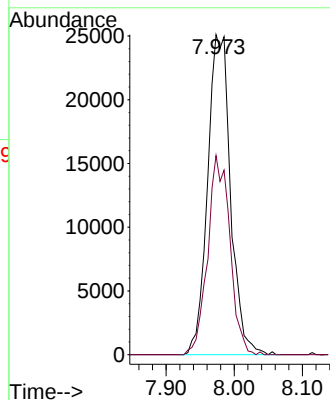
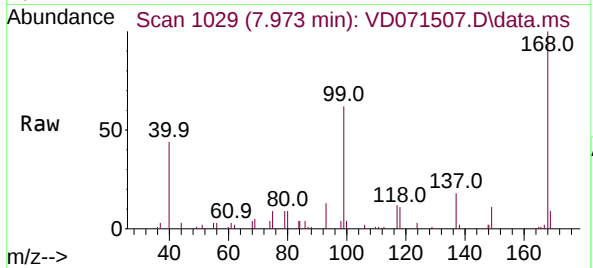




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD071507.D  
Acq: 28 Dec 2021 17:08

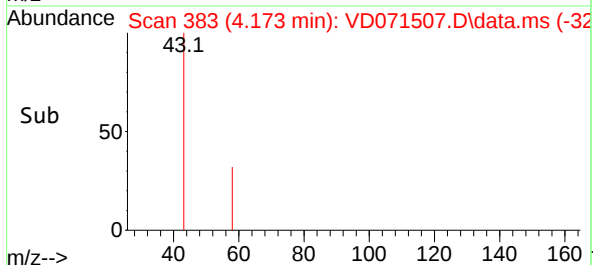
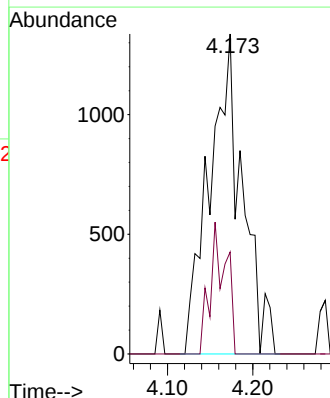
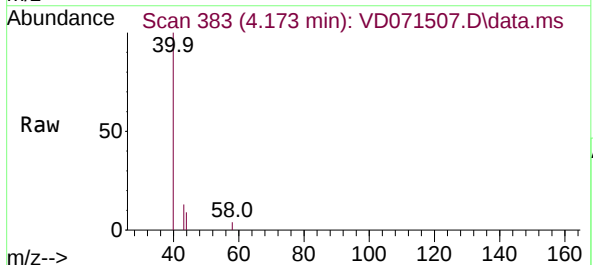
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-9-(19.5-20)

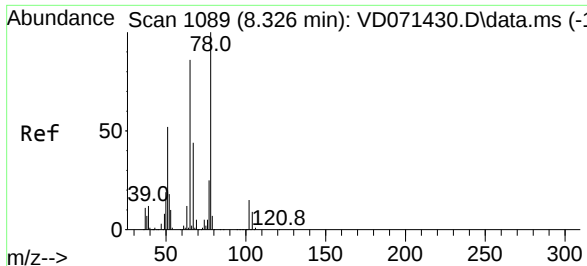
Tgt Ion:168 Resp: 58900  
Ion Ratio Lower Upper  
168 100  
99 62.2 46.6 69.8



#16  
Acetone  
Concen: 18.317 ug/l  
RT: 4.173 min Scan# 383  
Delta R.T. 0.017 min  
Lab File: VD071507.D  
Acq: 28 Dec 2021 17:08

Tgt Ion: 43 Resp: 3599  
Ion Ratio Lower Upper  
43 100  
58 31.9 27.8 41.8





#33

1,2-Dichloroethane-d4

Concen: 70.155 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071507.D

Acq: 28 Dec 2021 17:08

Instrument :

MSVOA\_D

ClientSampleId :

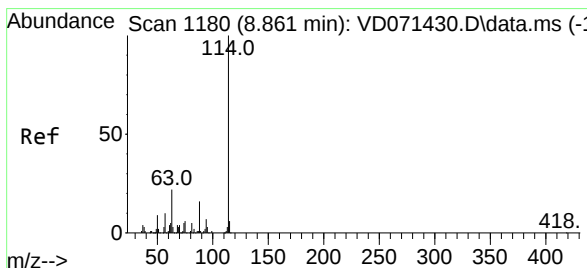
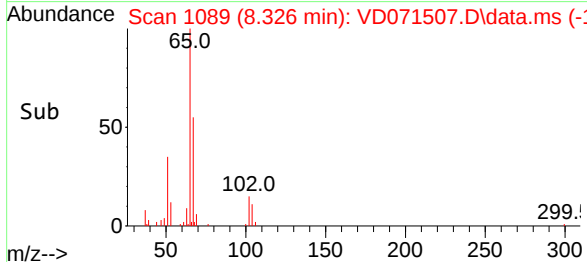
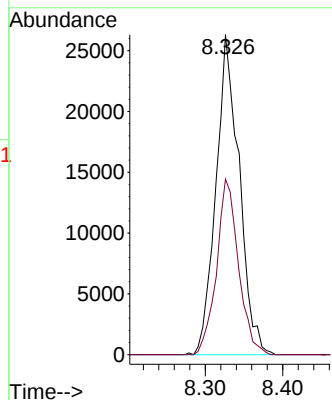
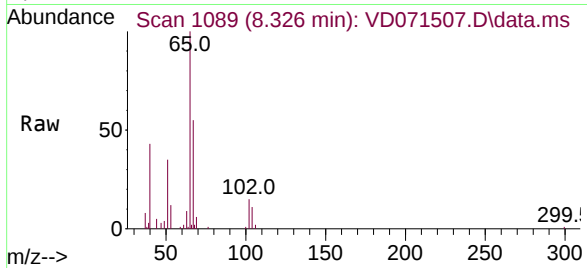
SB-9-(19.5-20)

Tgt Ion: 65 Resp: 54878

Ion Ratio Lower Upper

65 100

67 51.7 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: VD071507.D

Acq: 28 Dec 2021 17:08

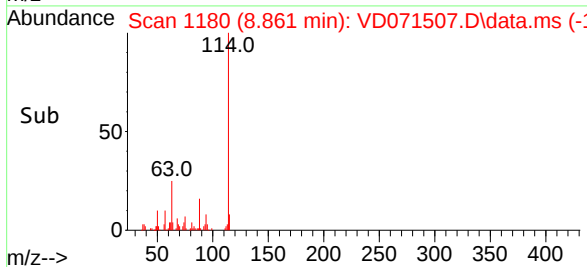
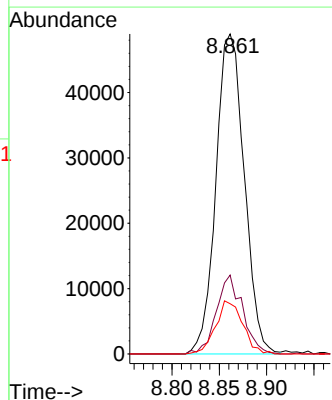
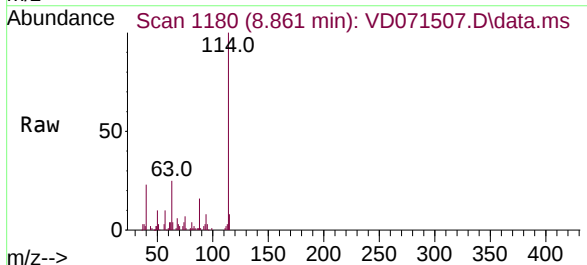
Tgt Ion: 114 Resp: 101874

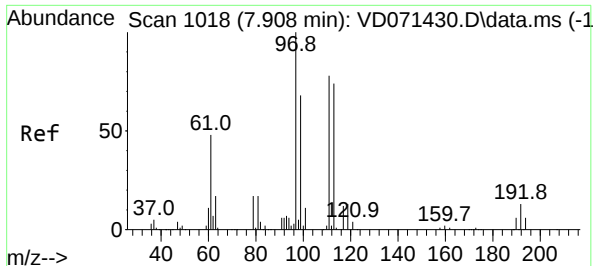
Ion Ratio Lower Upper

114 100

63 24.7 0.0 41.8

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.921 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071507.D

Acq: 28 Dec 2021 17:08

Instrument :

MSVOA\_D

ClientSampleId :

SB-9-(19.5-20)

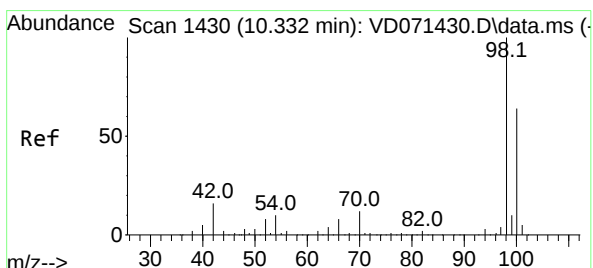
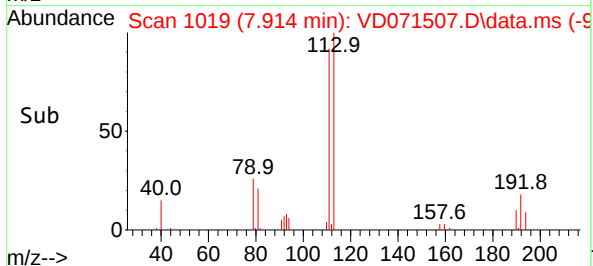
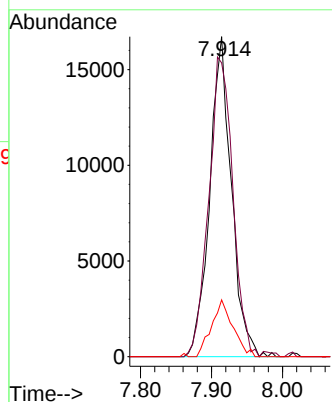
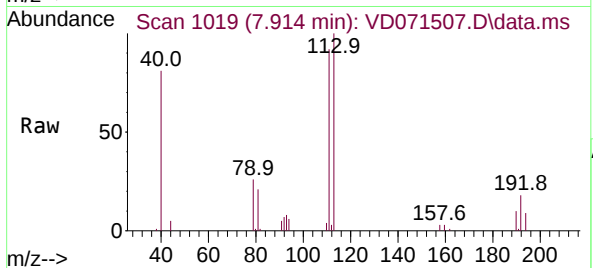
Tgt Ion:113 Resp: 35549

Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 17.5 15.2 22.8



#50

Toluene-d8

Concen: 49.492 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD071507.D

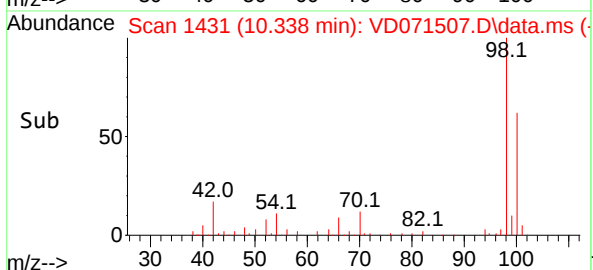
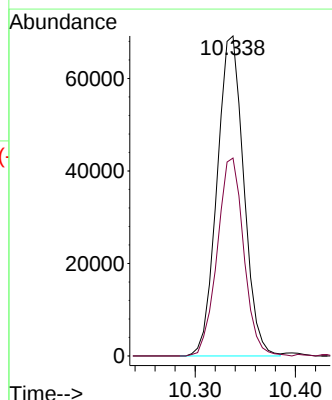
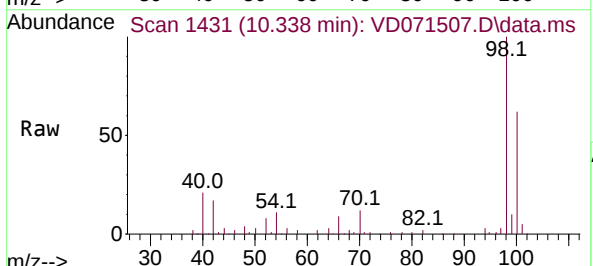
Acq: 28 Dec 2021 17:08

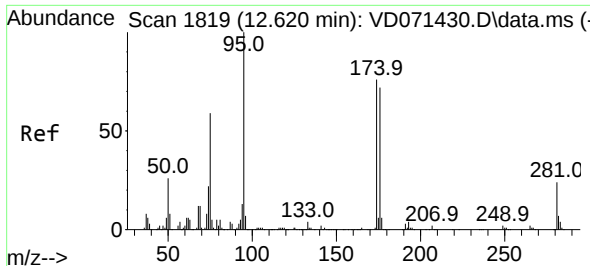
Tgt Ion: 98 Resp: 128056

Ion Ratio Lower Upper

98 100

100 61.3 51.8 77.6

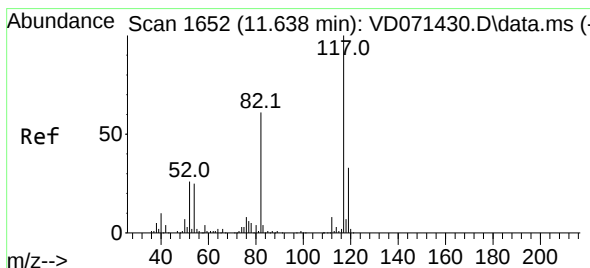
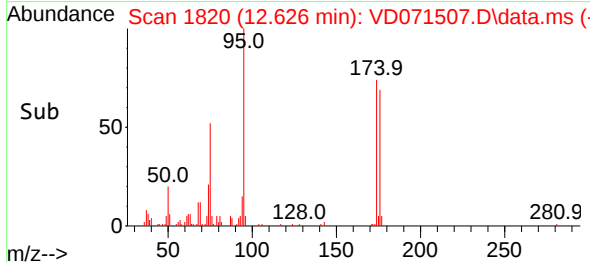
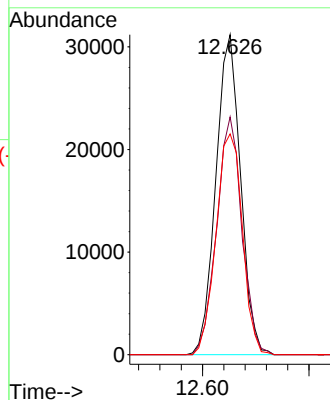
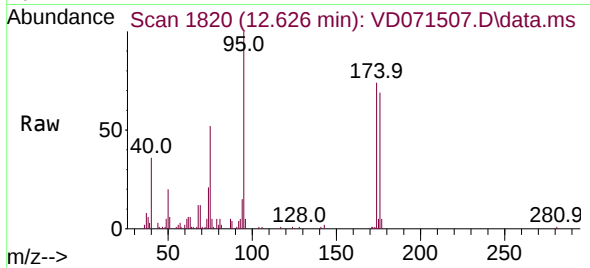




#62  
4-Bromofluorobenzene  
Concen: 54.540 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071507.D  
Acq: 28 Dec 2021 17:08

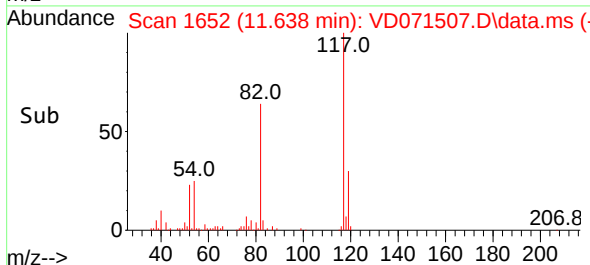
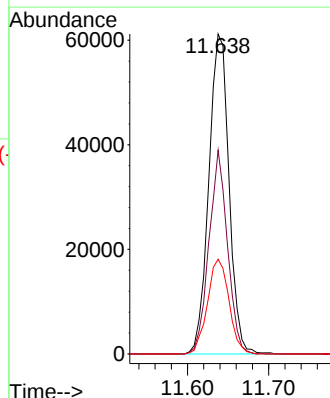
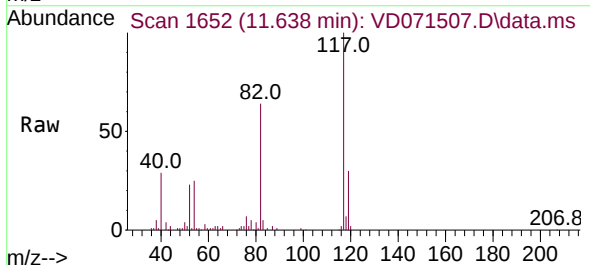
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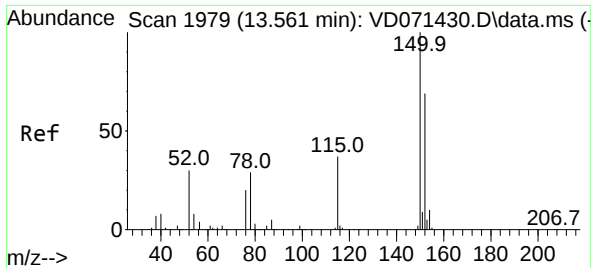
Tgt Ion: 95 Resp: 50146  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 159.4  
176 73.7 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD071507.D  
Acq: 28 Dec 2021 17:08

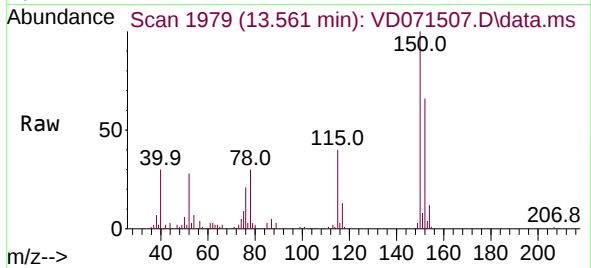
Tgt Ion: 117 Resp: 105587  
Ion Ratio Lower Upper  
117 100  
82 63.6 44.7 67.1  
119 29.6 26.2 39.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD071507.D  
 Acq: 28 Dec 2021 17:08

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-9-(19.5-20)



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.1  | 29.8  | 89.3  |
| 150     | 153.8 | 0.0   | 349.2 |

