

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081022\
 Data File : VD074026.D
 Acq On : 10 Aug 2022 15:36
 Operator : VA/SY
 Sample : N4038-08
 Misc : 4.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-8

Quant Time: Aug 10 17:40:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	123694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	214121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	197918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	87061	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	52559	54.554	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.100%
35) Dibromofluoromethane	7.902	113	64797	45.562	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.120%
50) Toluene-d8	10.332	98	166262	44.010	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.020%
62) 4-Bromofluorobenzene	12.620	95	72075	41.211	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.420%

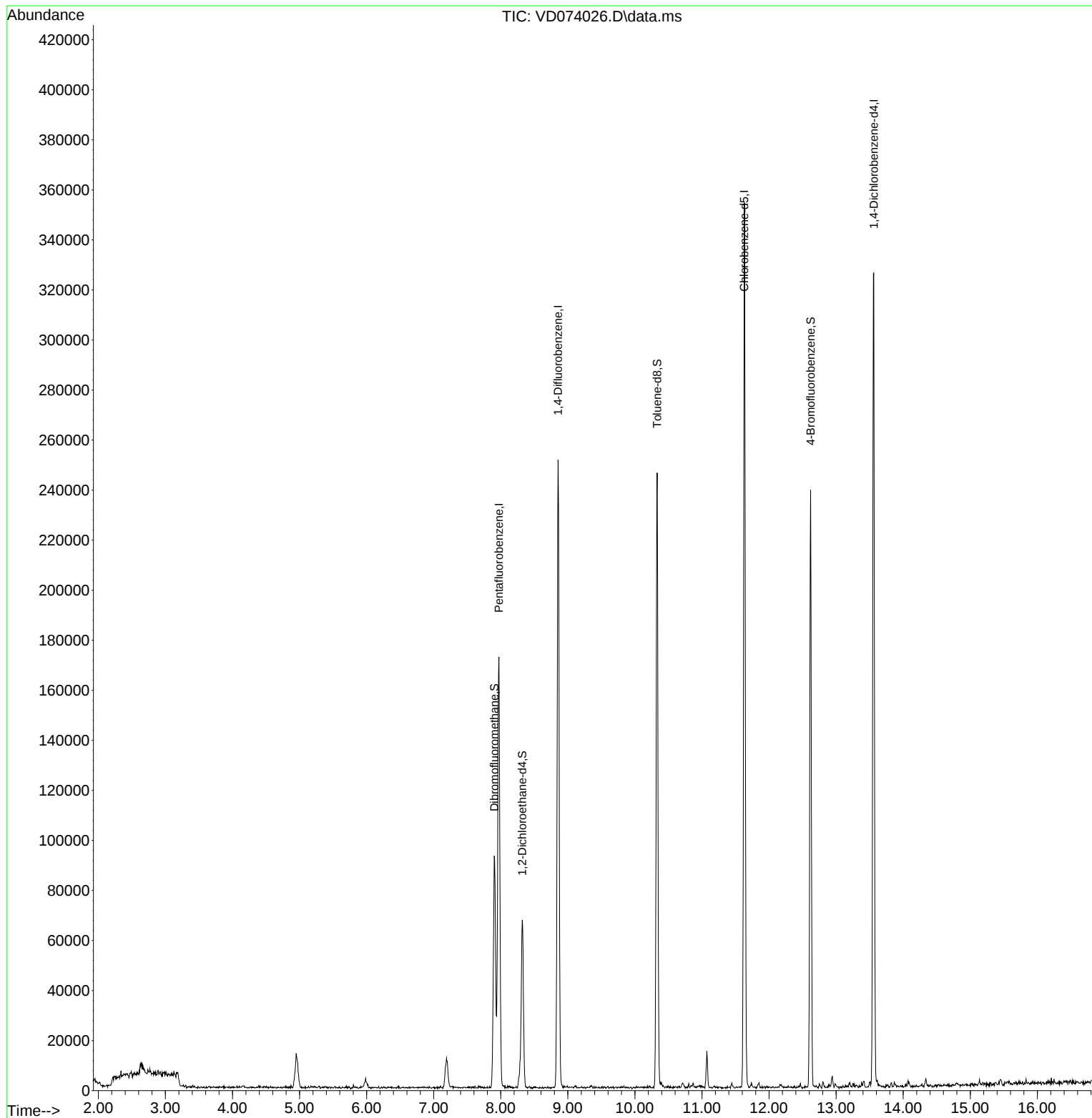
Target Compounds	Qvalue

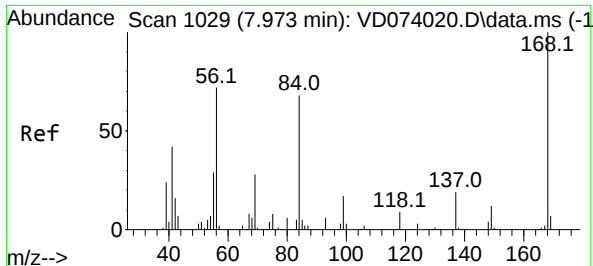
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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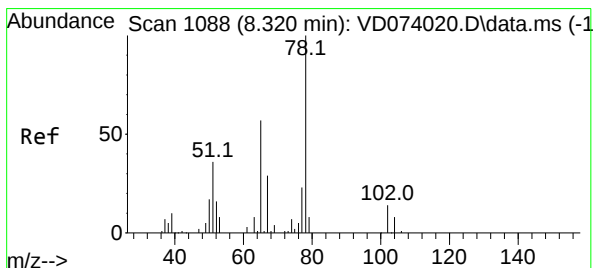
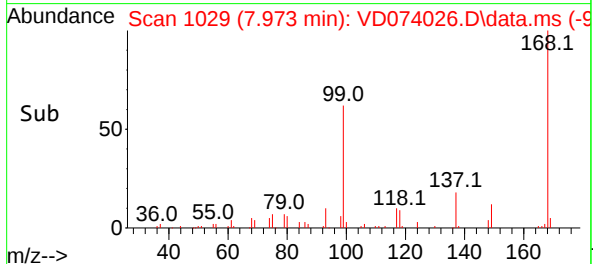
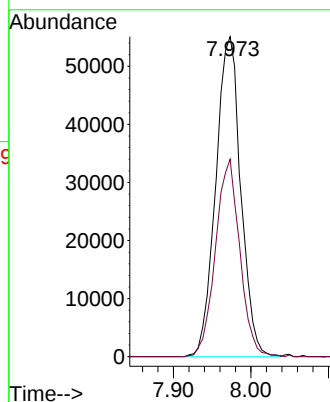
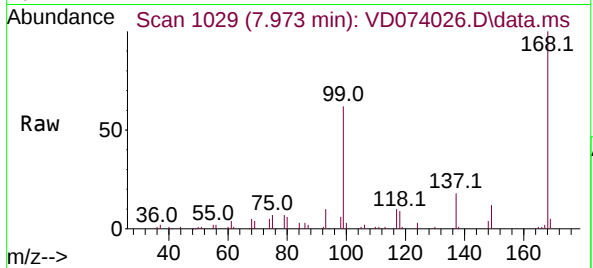




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

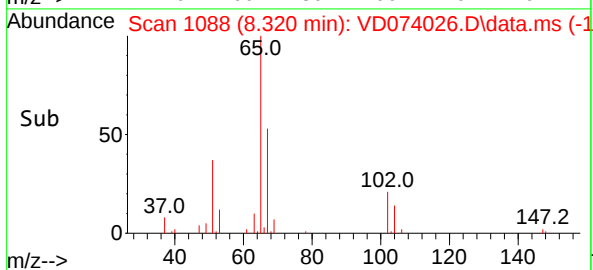
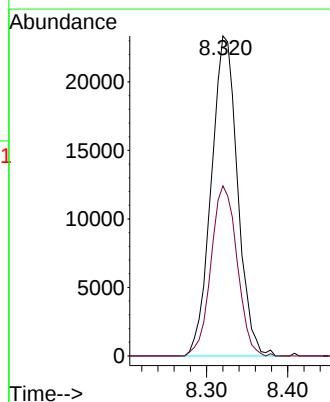
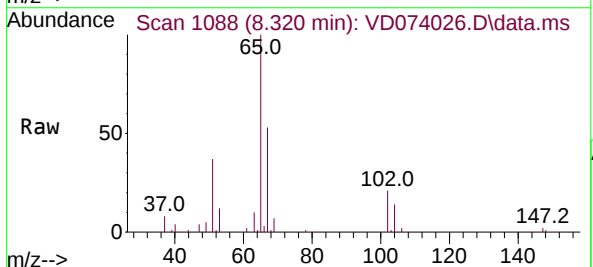
Instrument :
MSVOA_D
ClientSampleId :
S-8

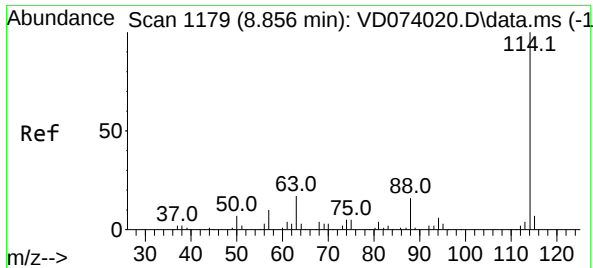
Tgt Ion:168 Resp: 123694
Ion Ratio Lower Upper
168 100
99 61.7 48.3 72.5



#33
1,2-Dichloroethane-d4
Concen: 54.554 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion: 65 Resp: 52559
Ion Ratio Lower Upper
65 100
67 52.7 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074026.D

Acq: 10 Aug 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

S-8

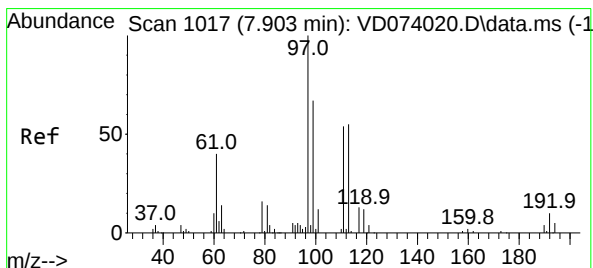
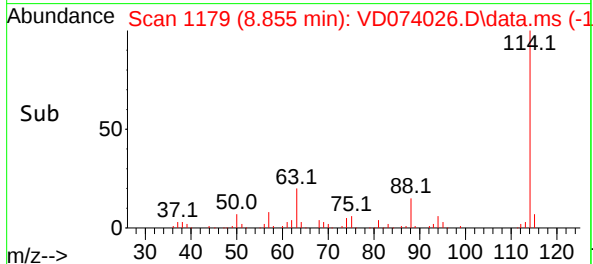
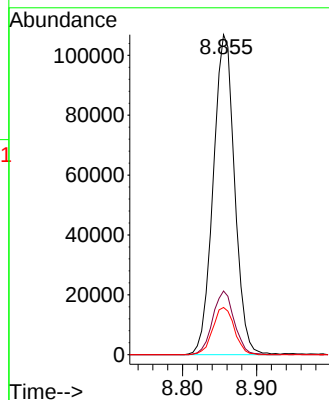
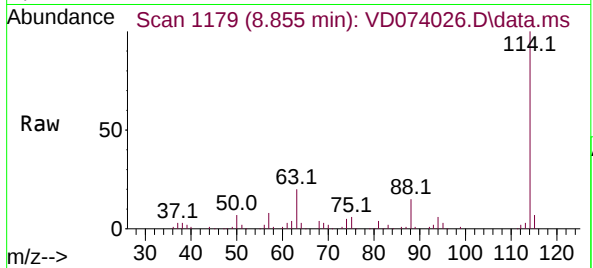
Tgt Ion:114 Resp: 214121

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 14.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 45.562 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.001 min

Lab File: VD074026.D

Acq: 10 Aug 2022 15:36

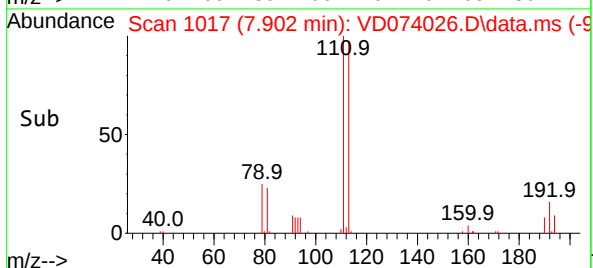
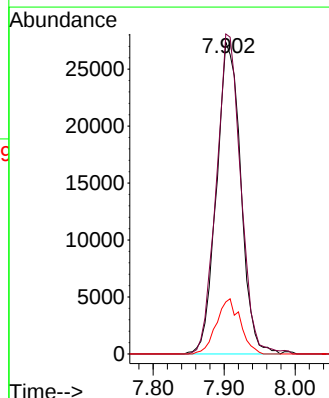
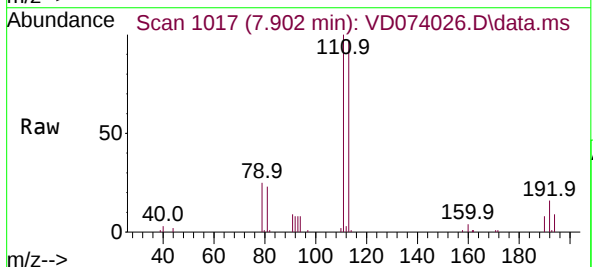
Tgt Ion:113 Resp: 64797

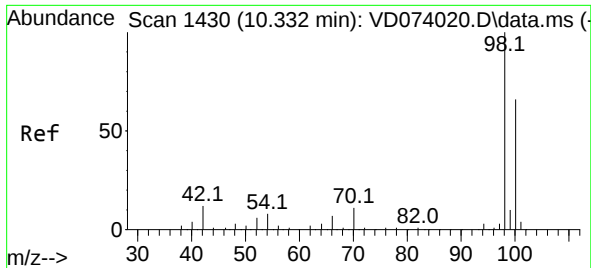
Ion Ratio Lower Upper

113 100

111 103.6 80.0 120.0

192 17.5 14.2 21.4

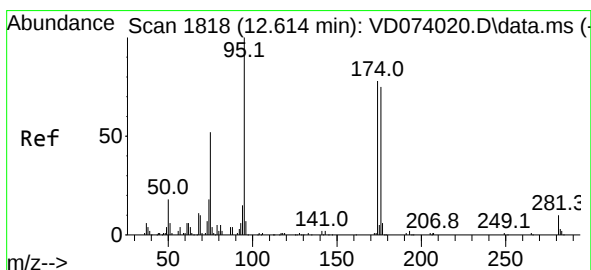
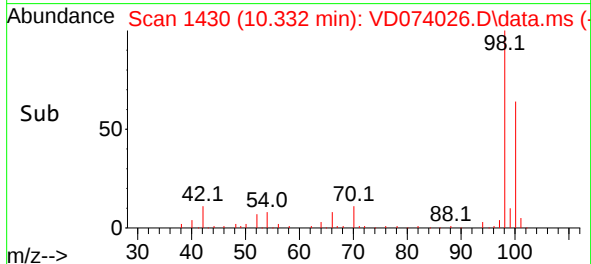
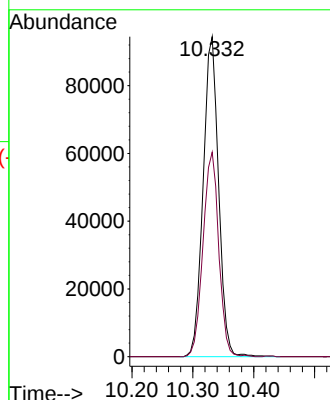
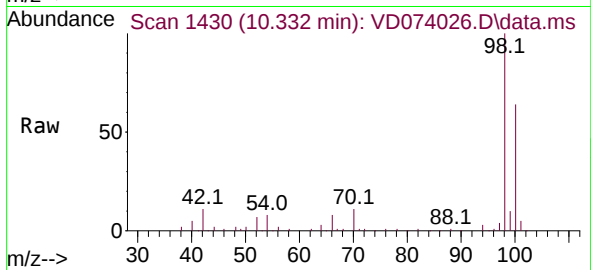




#50
Toluene-d8
Concen: 44.010 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

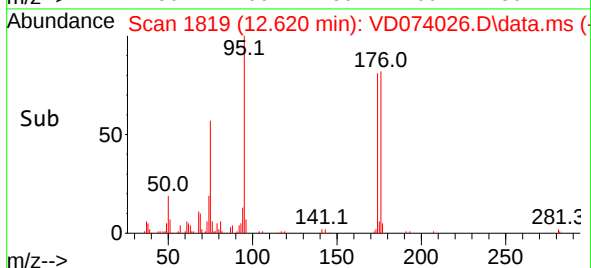
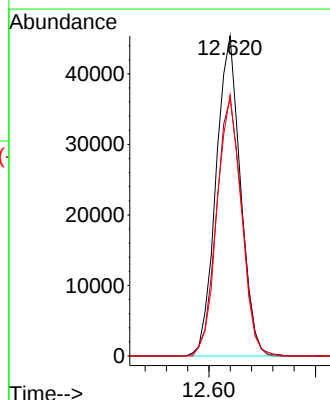
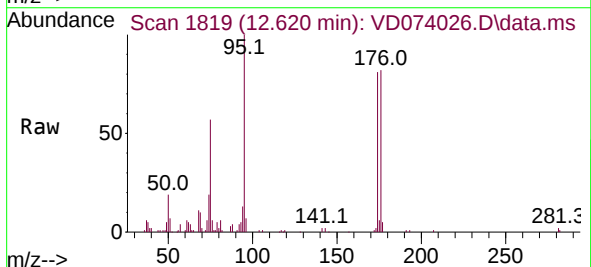
Instrument :
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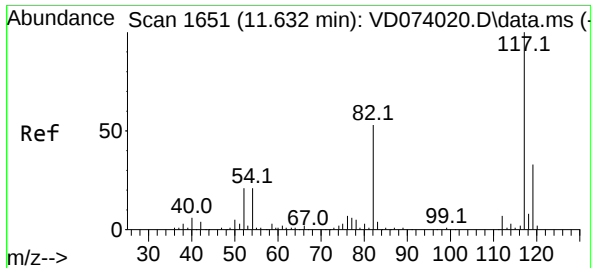
Tgt Ion: 98 Resp: 166262
Ion Ratio Lower Upper
98 100
100 65.1 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 41.211 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion: 95 Resp: 72075
Ion Ratio Lower Upper
95 100
174 84.2 0.0 162.6
176 81.3 0.0 160.0

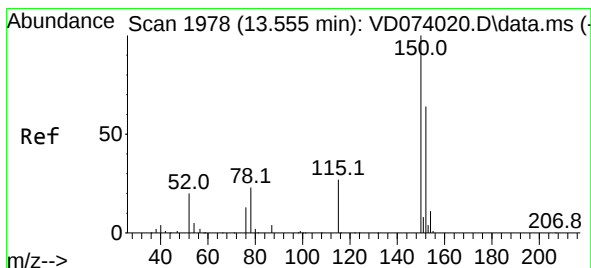
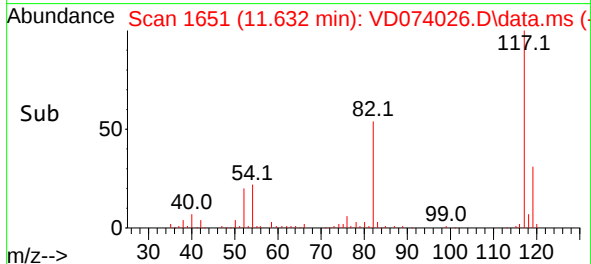
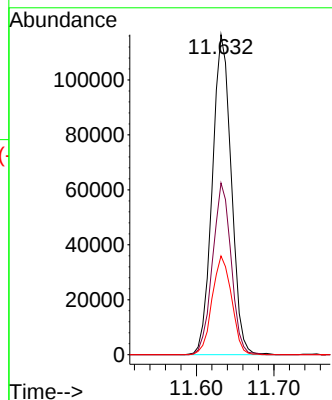
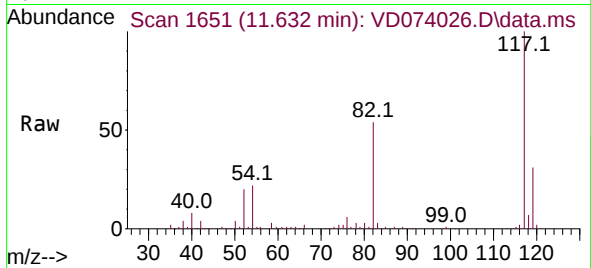




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Instrument :
MSVOA_D
ClientSampleId :
S-8

Tgt Ion:117 Resp: 197918
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 30.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion:152 Resp: 87061
Ion Ratio Lower Upper
152 100
115 59.4 29.9 89.8
150 157.8 0.0 342.8

