

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122821\
 Data File : VD071506.D
 Acq On : 28 Dec 2021 16:40
 Operator : VA/SY
 Sample : M5224-05
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5

Quant Time: Dec 28 16:58:38 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	7.979	168	62762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	114760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	115525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	57591	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	60526	72.614	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.220%
35) Dibromofluoromethane	7.914	113	43137	55.929	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.860%
50) Toluene-d8	10.332	98	143590	49.265	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.626	95	52944	51.118	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.240%

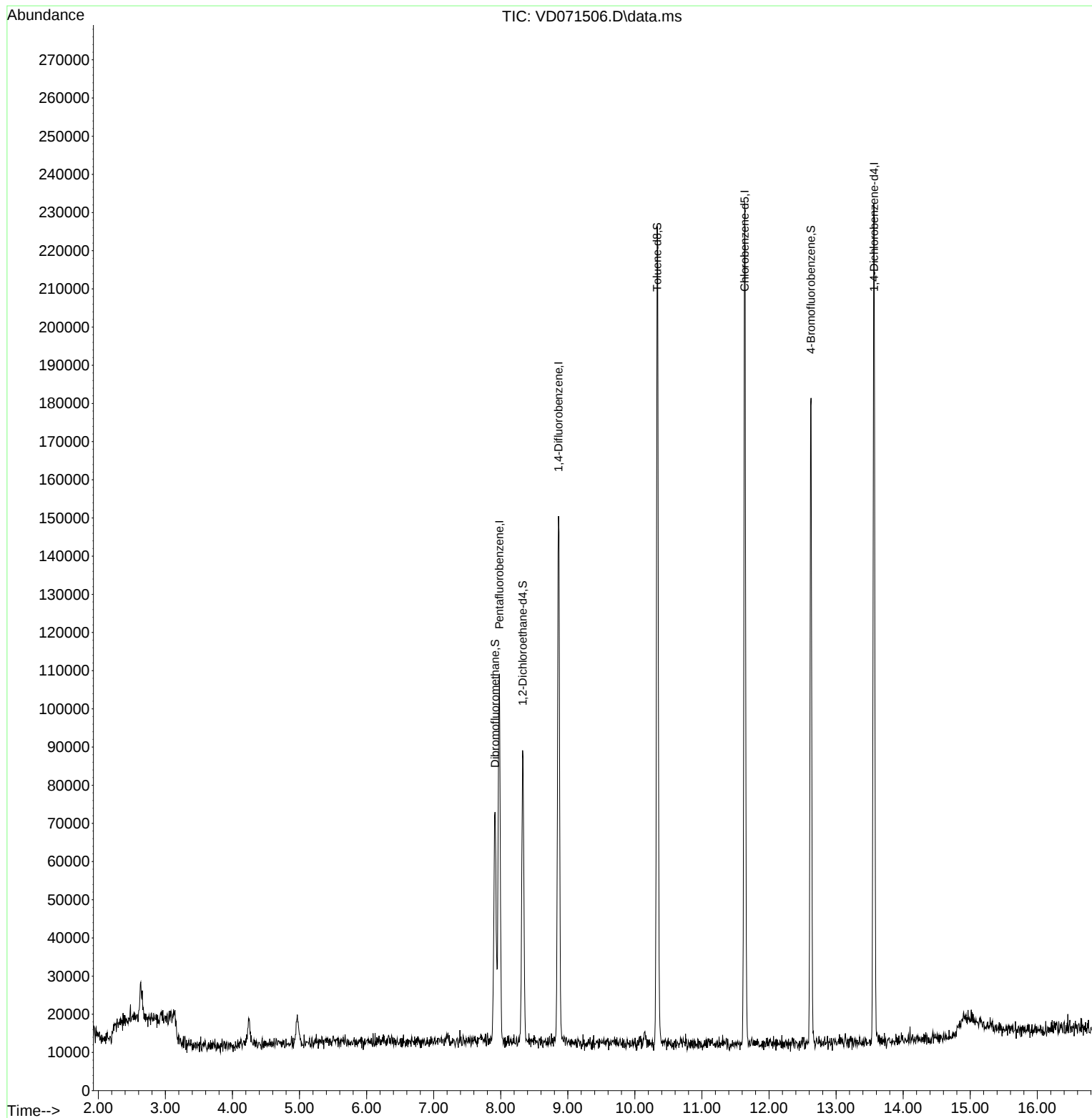
Target Compounds	Qvalue

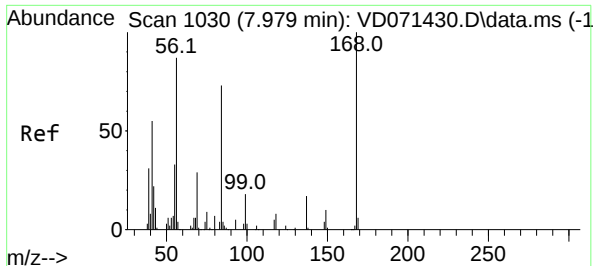
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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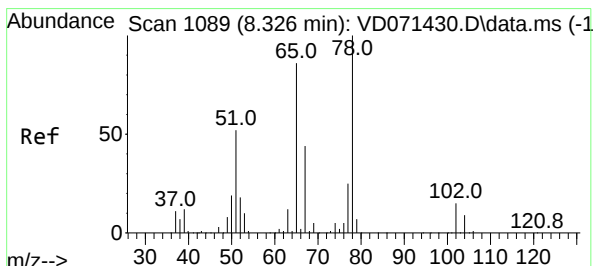
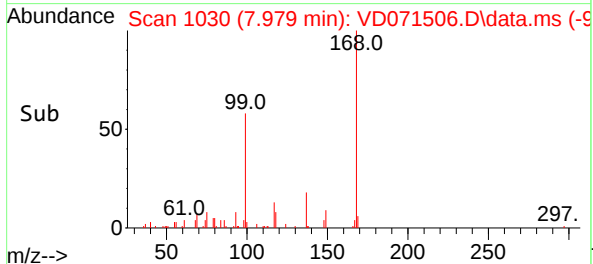
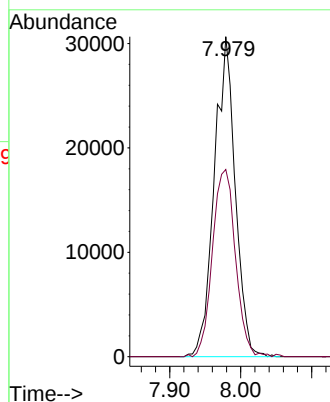
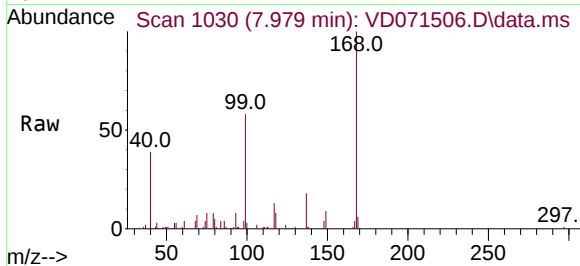




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071506.D
Acq: 28 Dec 2021 16:40

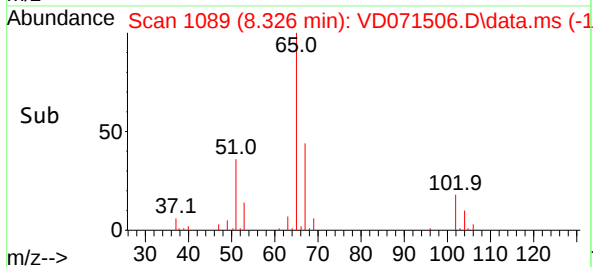
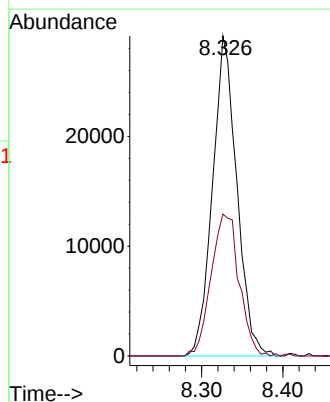
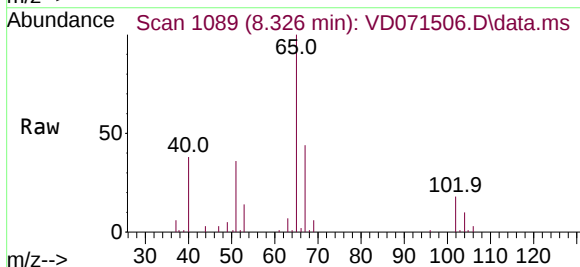
Instrument :
MSVOA_D
ClientSampleId :
SB-5

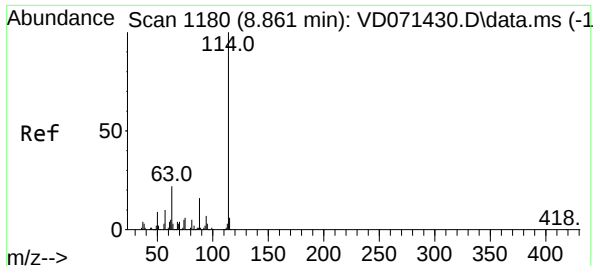
Tgt Ion:168 Resp: 62762
Ion Ratio Lower Upper
168 100
99 58.5 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 72.614 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071506.D
Acq: 28 Dec 2021 16:40

Tgt Ion: 65 Resp: 60526
Ion Ratio Lower Upper
65 100
67 51.2 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: VD071506.D

Acq: 28 Dec 2021 16:40

Instrument :

MSVOA_D

ClientSampleId :

SB-5

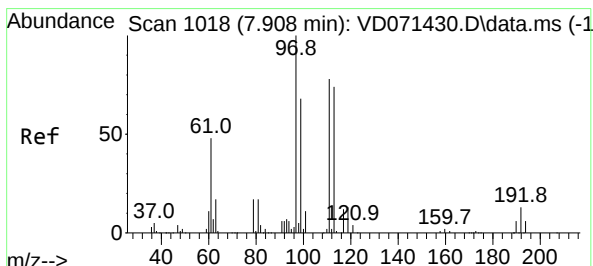
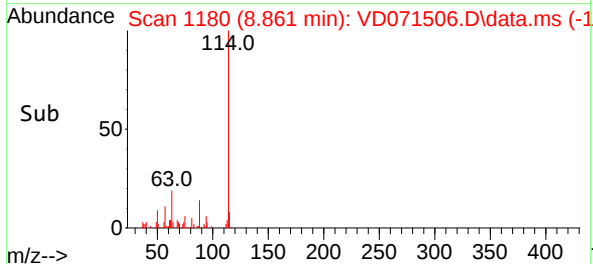
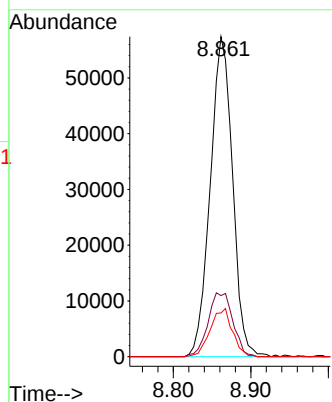
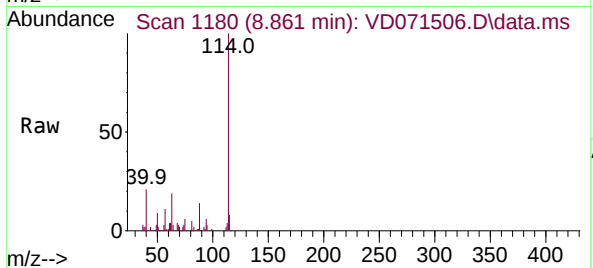
Tgt Ion:114 Resp: 114760

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.8

88 13.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 55.929 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071506.D

Acq: 28 Dec 2021 16:40

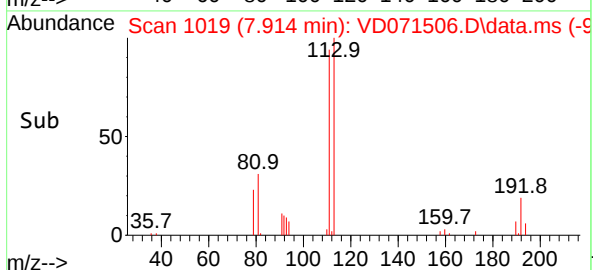
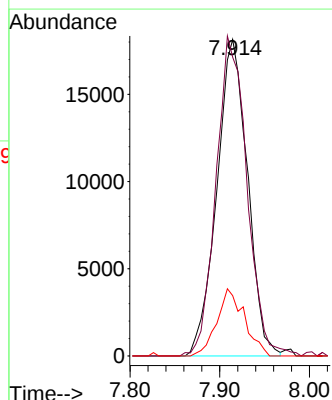
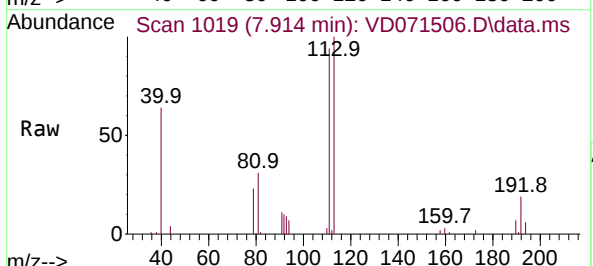
Tgt Ion:113 Resp: 43137

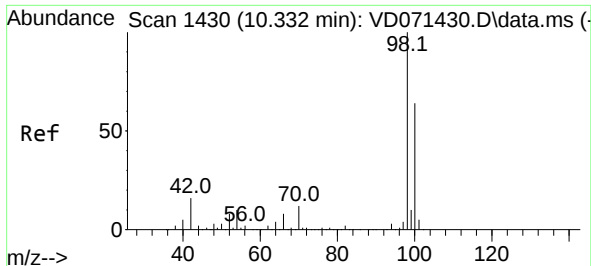
Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

192 19.0 15.2 22.8

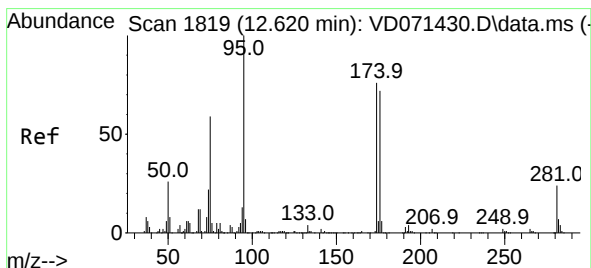
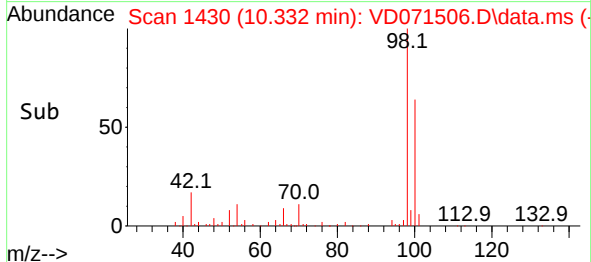
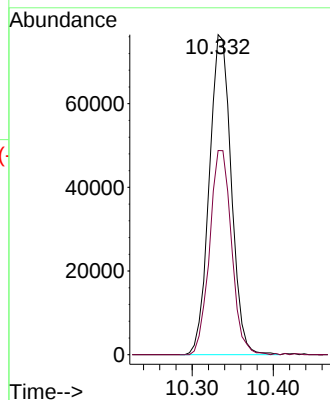
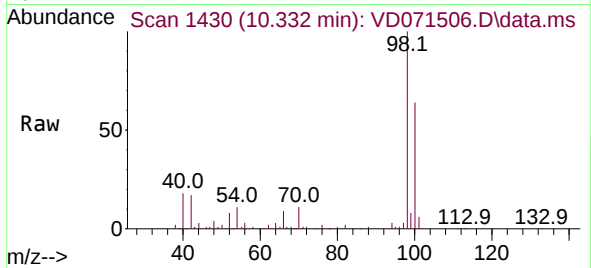




#50
Toluene-d8
Concen: 49.265 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071506.D
Acq: 28 Dec 2021 16:40

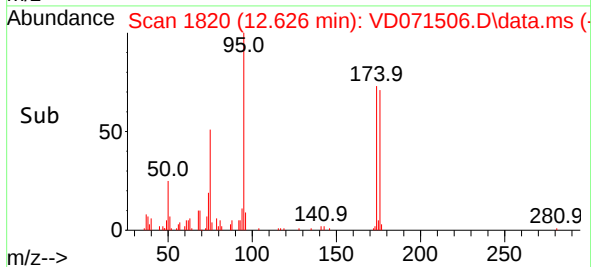
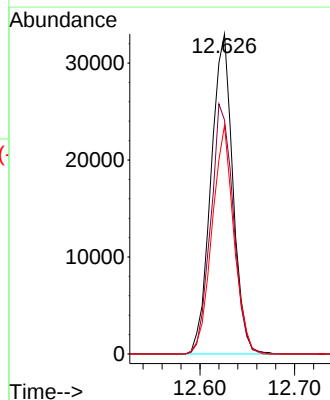
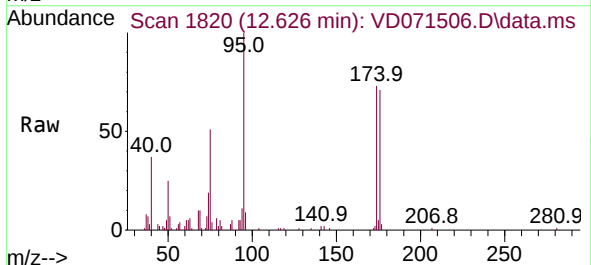
Instrument :
MSVOA_D
ClientSampleId :
SB-5

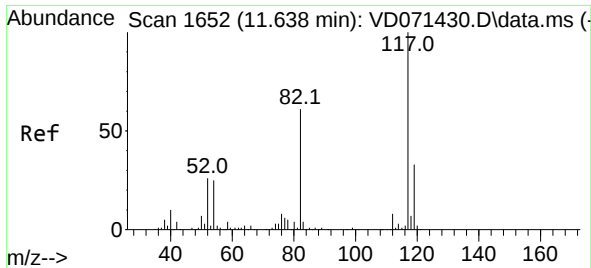
Tgt Ion: 98 Resp: 143590
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 51.118 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071506.D
Acq: 28 Dec 2021 16:40

Tgt Ion: 95 Resp: 52944
Ion Ratio Lower Upper
95 100
174 80.2 0.0 159.4
176 70.9 0.0 154.0

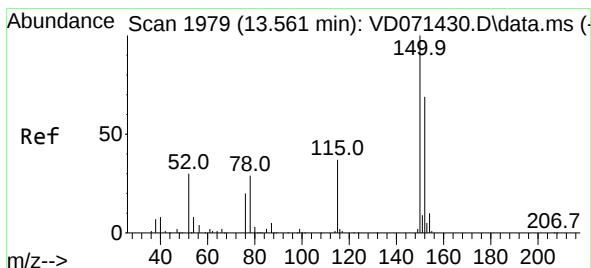
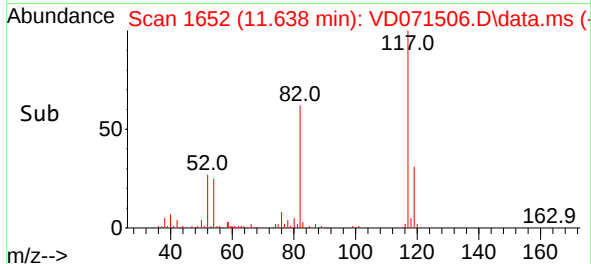
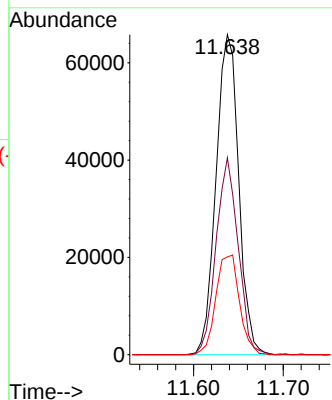
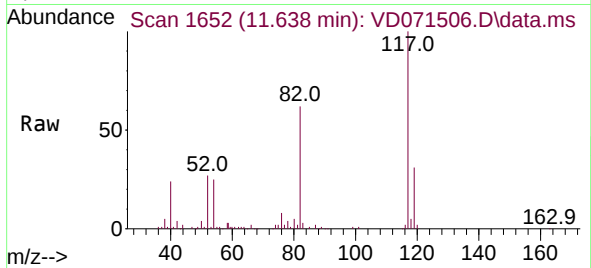




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 115525
Delta R.T. -0.000 min
Lab File: VD071506.D
Acq: 28 Dec 2021 16:40

Instrument :
MSVOA_D
ClientSampleId :
SB-5

Tgt Ion:	117	Resp:	115525
Ion	Ratio	Lower	Upper
117	100		
82	61.6	44.7	67.1
119	30.6	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: VD071506.D
Acq: 28 Dec 2021 16:40

Tgt Ion:	152	Resp:	57591
Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.8	89.3
150	148.1	0.0	349.2

