

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071192.D
 Acq On : 07 Dec 2021 19:19
 Operator : VA/SY
 Sample : M4954-04RE
 Misc : 6.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4(2.0-2.5)RE

Quant Time: Dec 08 02:52:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	22832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	37564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	44863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	23488	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	19320	72.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	144.220%
35) Dibromofluoromethane	7.914	113	13343	55.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.560%
50) Toluene-d8	10.338	98	48079	52.817	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.640%
62) 4-Bromofluorobenzene	12.626	95	21652	68.619	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	137.240%

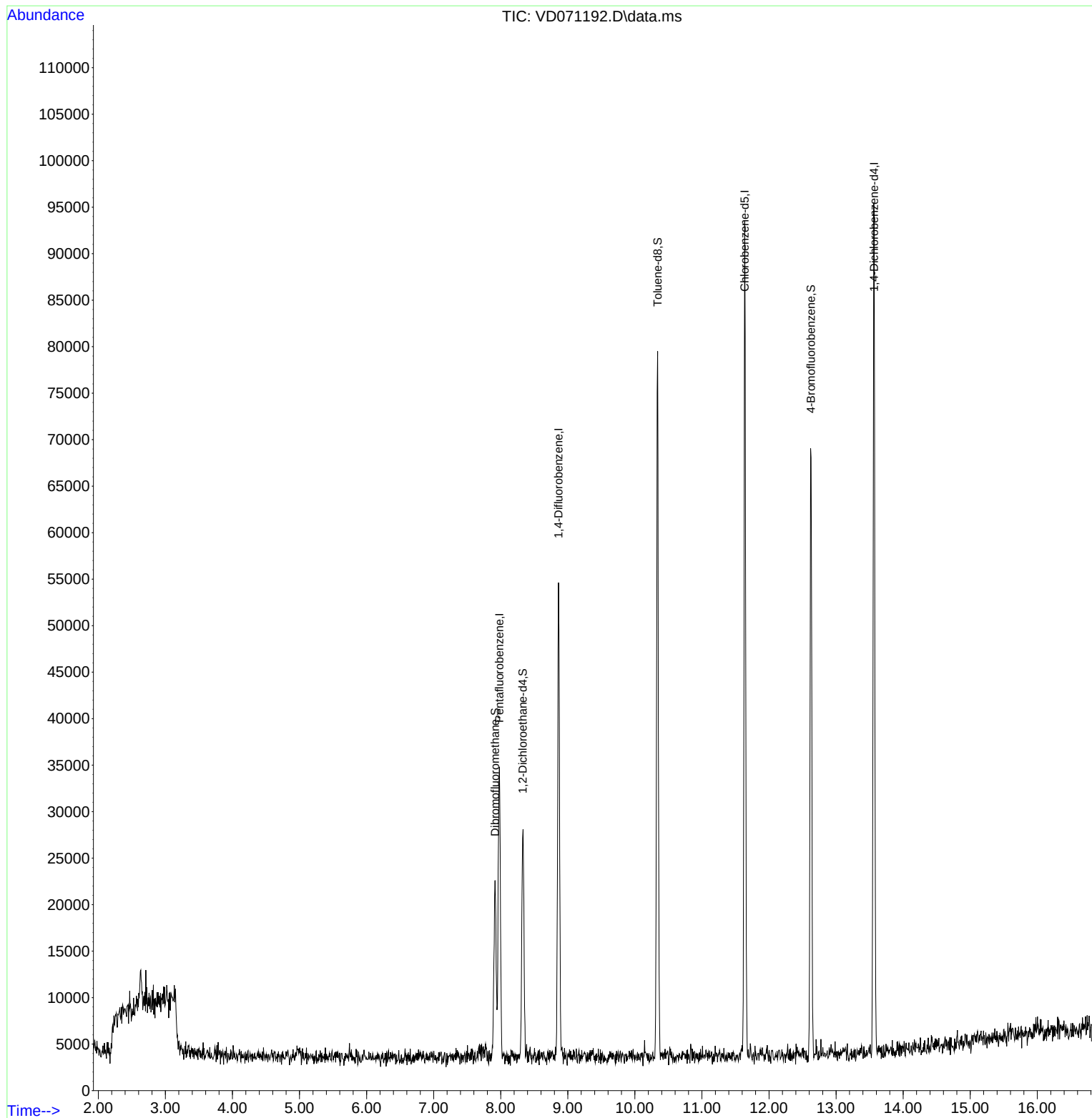
Target Compounds	Qvalue

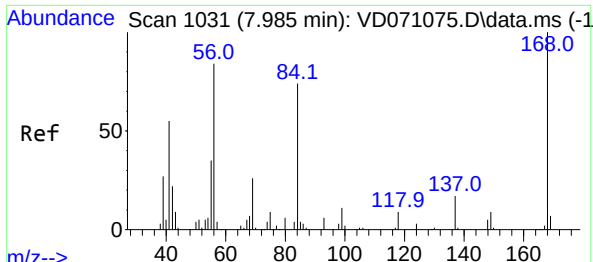
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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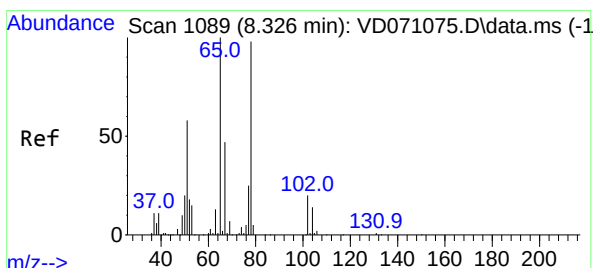
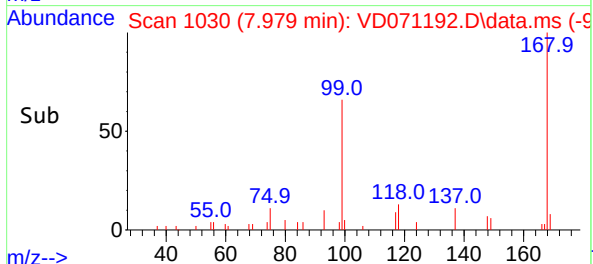
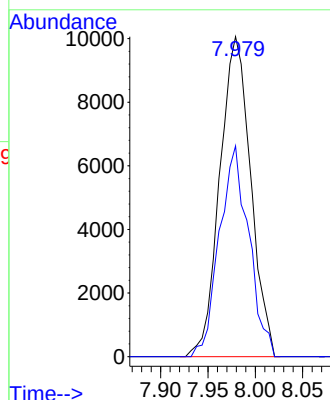
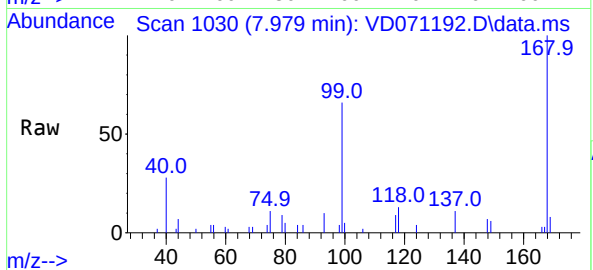




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071192.D
Acq: 07 Dec 2021 19:19

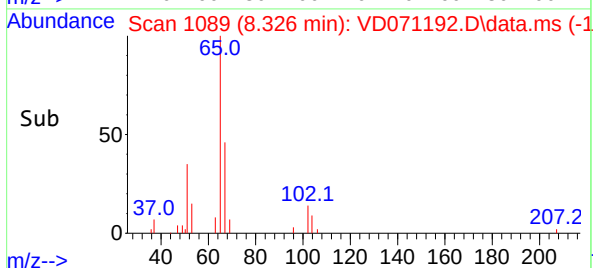
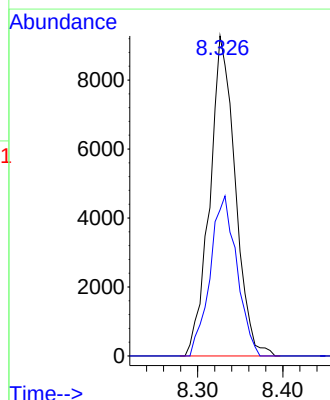
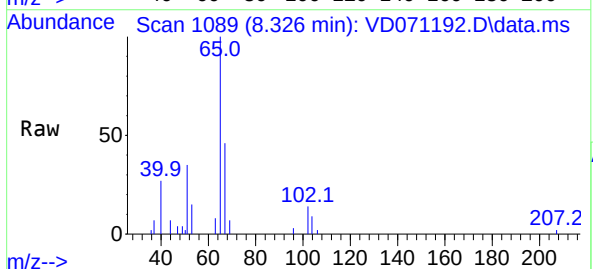
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)RE

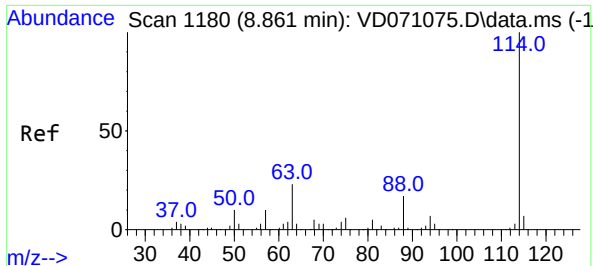
Tgt Ion:168 Resp: 22832
Ion Ratio Lower Upper
168 100
99 65.9 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 72.115 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071192.D
Acq: 07 Dec 2021 19:19

Tgt Ion: 65 Resp: 19320
Ion Ratio Lower Upper
65 100
67 52.3 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: VD071192.D

Acq: 07 Dec 2021 19:19

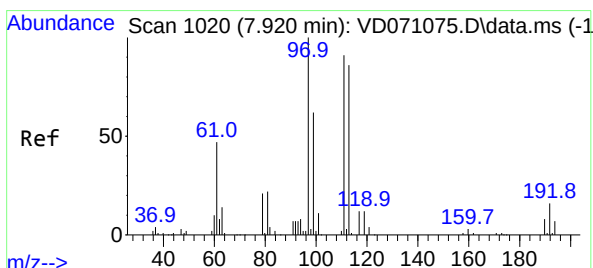
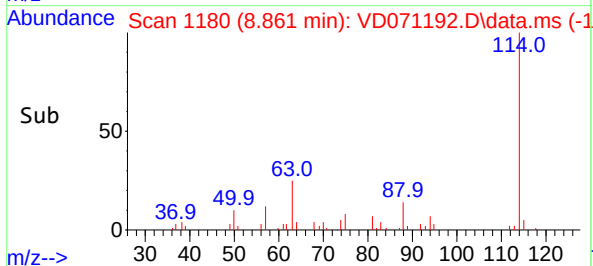
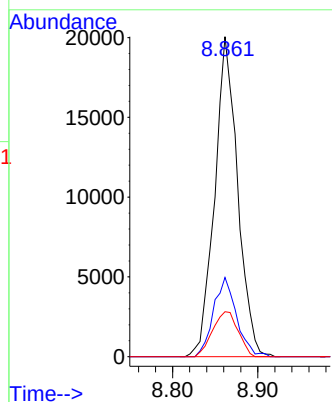
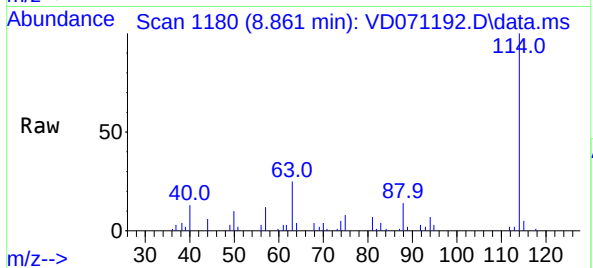
Instrument :

MSVOA_D

ClientSampleId :

SB-4(2.0-2.5)RE

Tgt Ion:114	Resp:	37564
Ion Ratio	Lower	Upper
114	100	
63	24.7	0.0 41.8
88	14.1	0.0 32.8



#35

Dibromofluoromethane

Concen: 55.781 ug/l

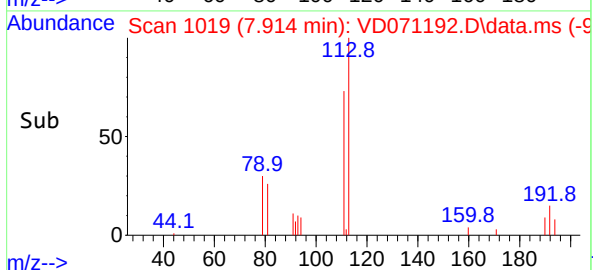
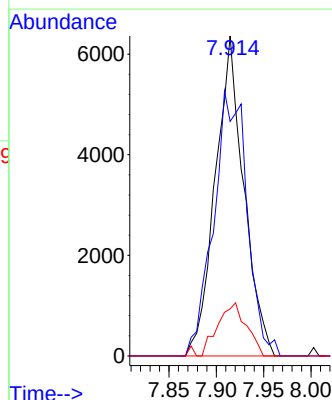
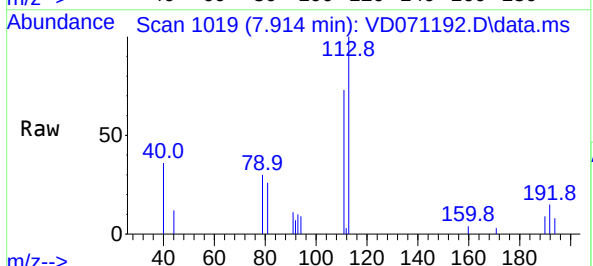
RT: 7.914 min Scan# 1019

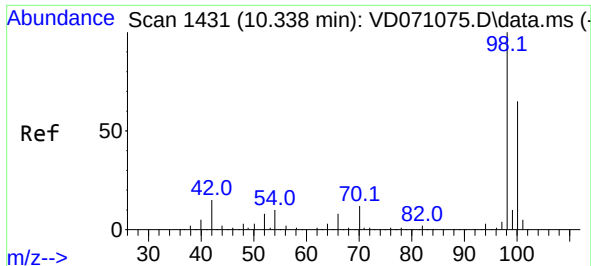
Delta R.T. -0.006 min

Lab File: VD071192.D

Acq: 07 Dec 2021 19:19

Tgt Ion:113	Resp:	13343
Ion Ratio	Lower	Upper
113	100	
111	96.9	82.0 123.0
192	16.6	15.2 22.8

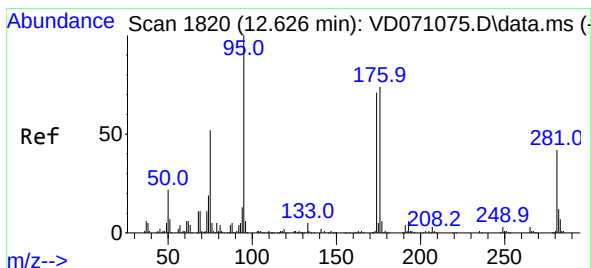
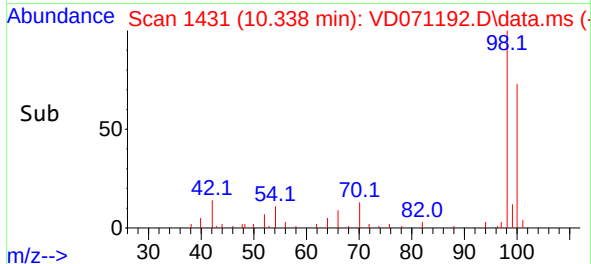
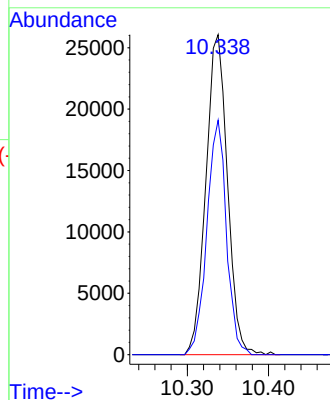
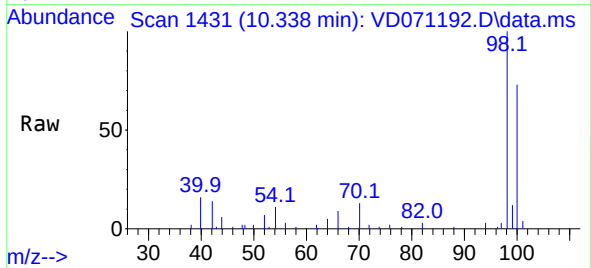




#50
Toluene-d8
Concen: 52.817 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071192.D
Acq: 07 Dec 2021 19:19

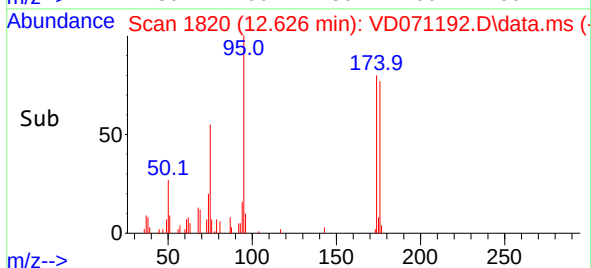
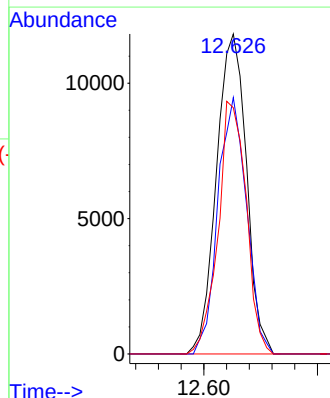
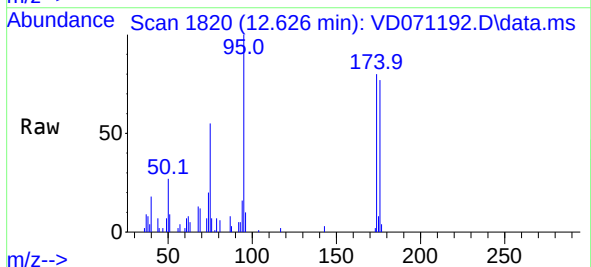
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)RE

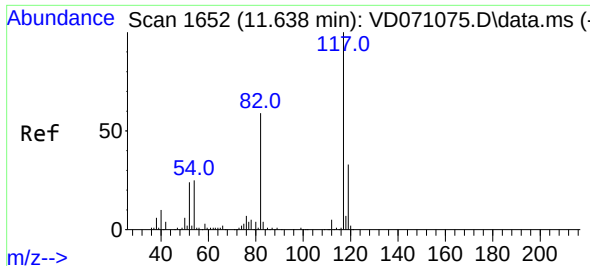
Tgt Ion: 98 Resp: 48079
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 68.619 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071192.D
Acq: 07 Dec 2021 19:19

Tgt Ion: 95 Resp: 21652
Ion Ratio Lower Upper
95 100
174 76.5 0.0 159.4
176 73.7 0.0 154.0

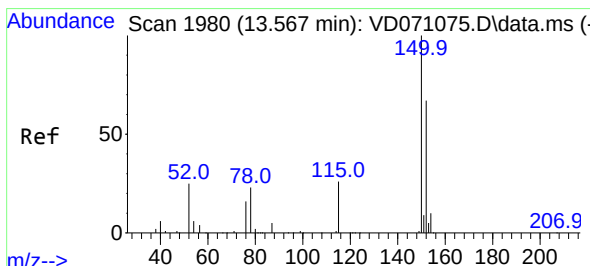
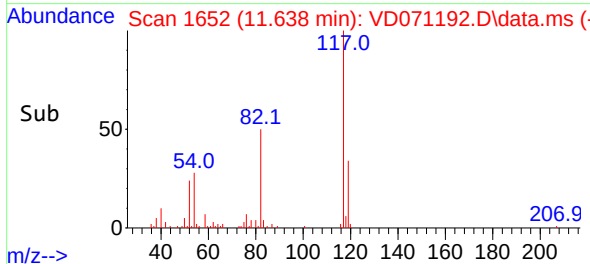
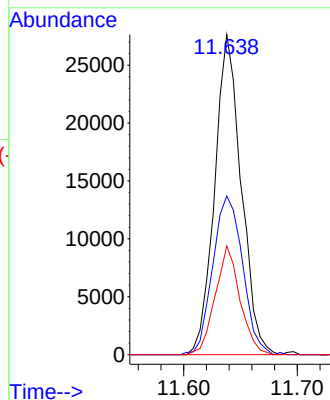
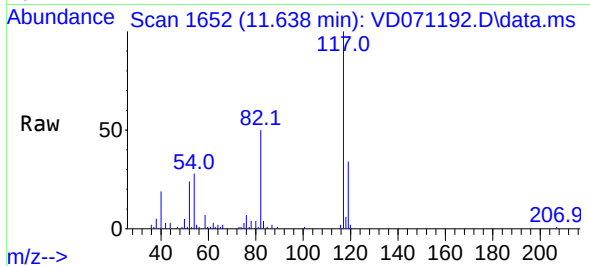




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071192.D
Acq: 07 Dec 2021 19:19

Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)RE

Tgt Ion:	117	Resp:	44863
Ion	Ratio	Lower	Upper
117	100		
82	49.6	44.7	67.1
119	34.0	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071192.D
Acq: 07 Dec 2021 19:19

Tgt Ion:	152	Resp:	23488
Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.8	89.3
150	149.5	0.0	349.2

