

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077165.D
 Acq On : 20 Sep 2023 14:25
 Operator : JC/SY
 Sample : 04515-01
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Sep 21 02:23:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	221986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	506434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	599699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	290810	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	113994	50.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.760%
35) Dibromofluoromethane	7.804	113	163330	46.431	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.860%
50) Toluene-d8	10.269	98	668126	53.361	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.720%
62) 4-Bromofluorobenzene	12.575	95	235760	60.751	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	121.500%

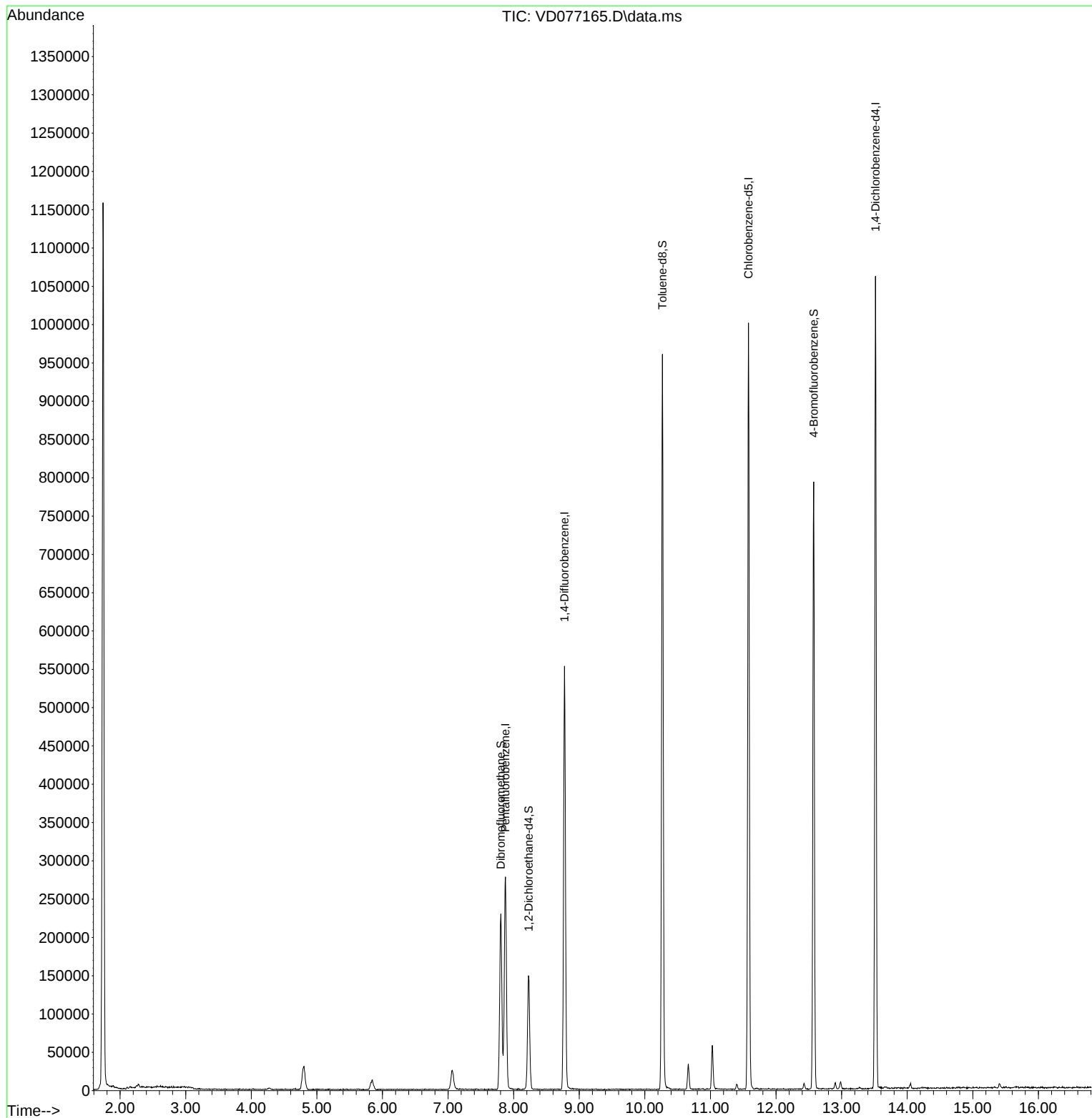
Target Compounds	Qvalue

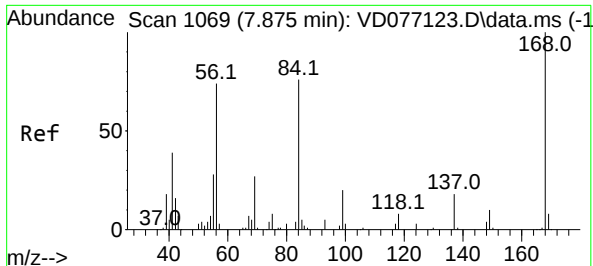
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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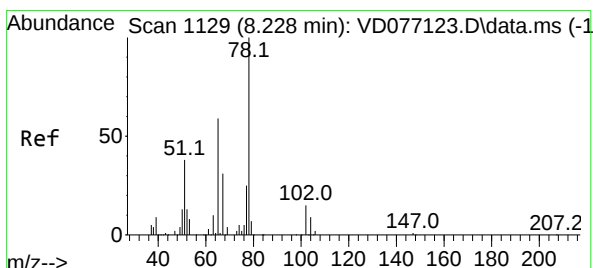
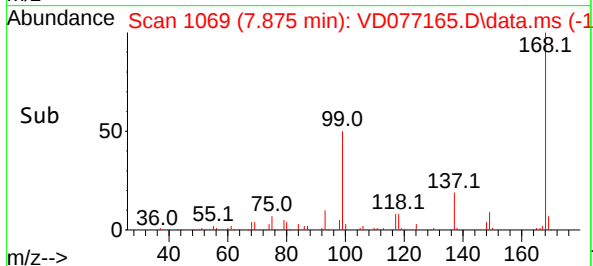
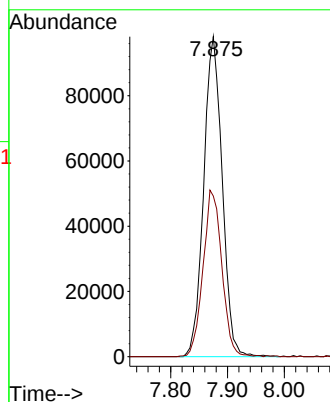
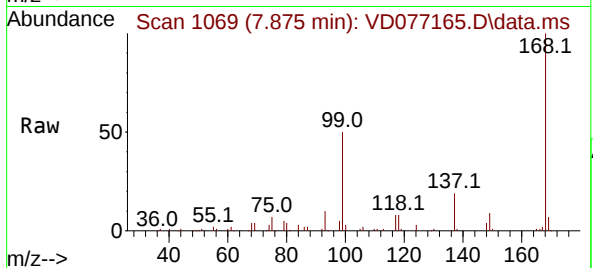




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

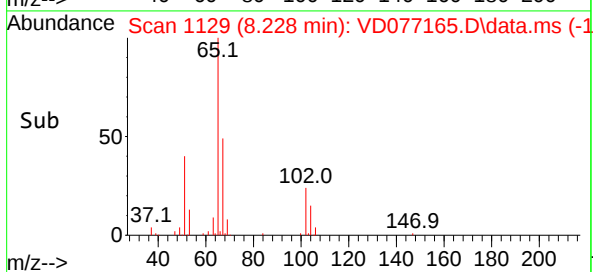
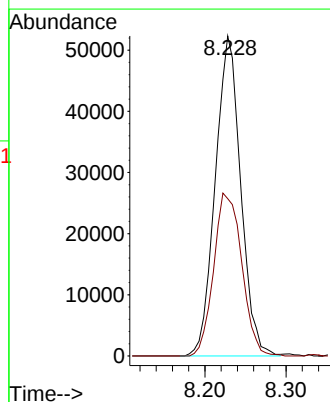
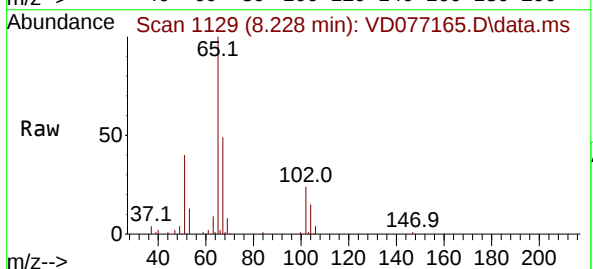
Instrument :
MSVOA_D
ClientSampleId :
WC-1

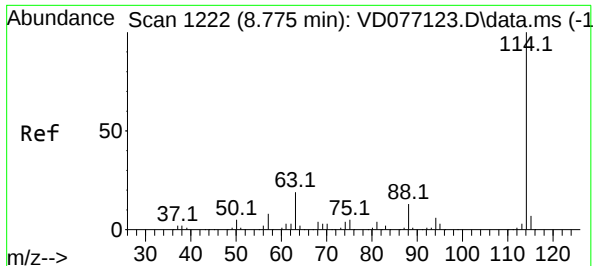
Tgt Ion:168 Resp: 221986
Ion Ratio Lower Upper
168 100
99 50.2 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 50.883 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

Tgt Ion: 65 Resp: 113994
Ion Ratio Lower Upper
65 100
67 56.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

WC-1

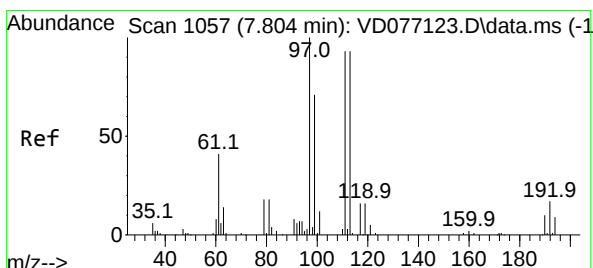
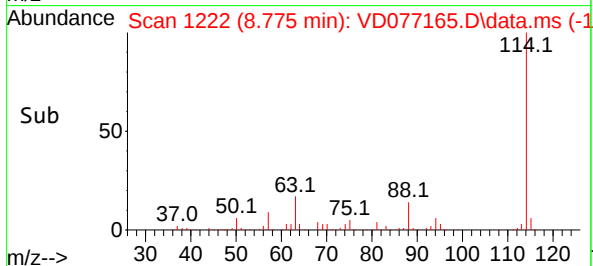
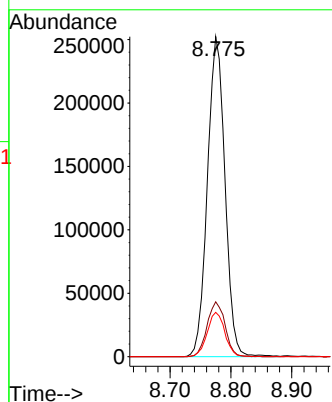
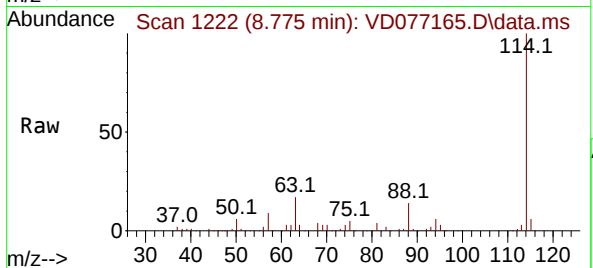
Tgt Ion:114 Resp: 506434

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.4

88 13.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.431 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

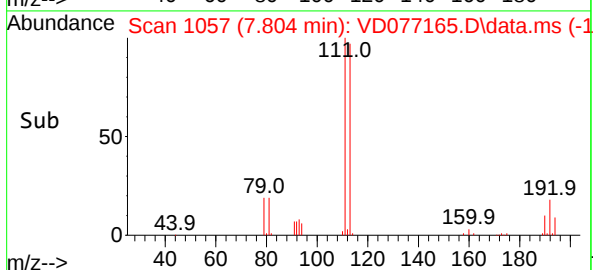
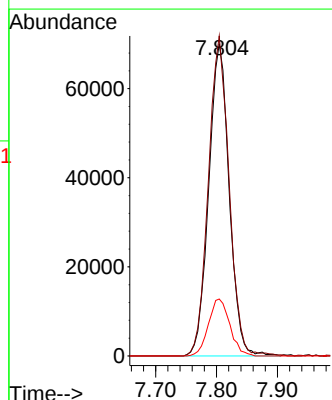
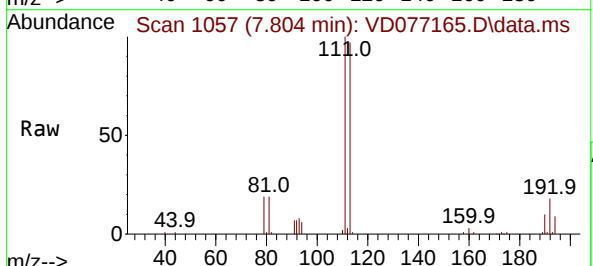
Tgt Ion:113 Resp: 163330

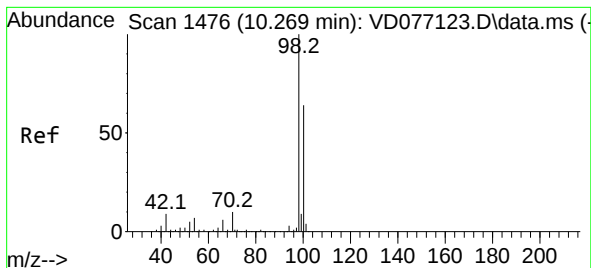
Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 19.1 16.8 25.2





#50

Toluene-d8

Concen: 53.361 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

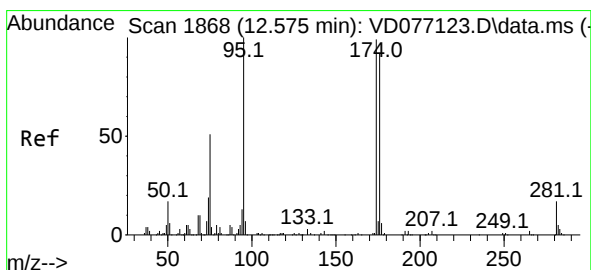
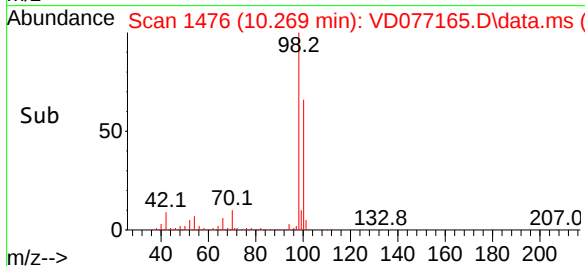
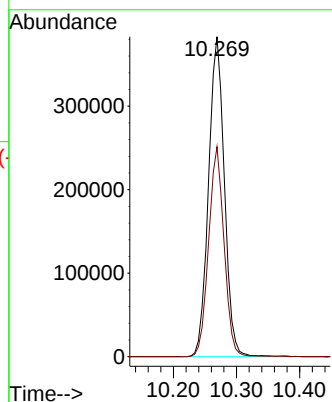
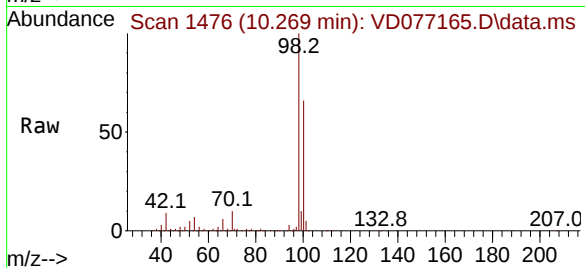
WC-1

Tgt Ion: 98 Resp: 668126

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 60.751 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

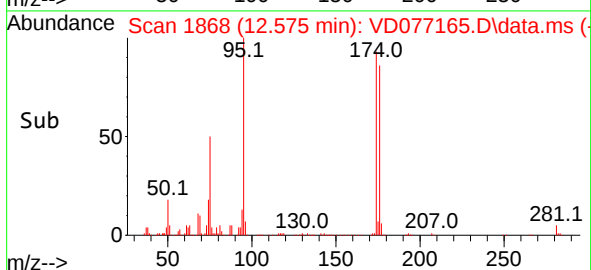
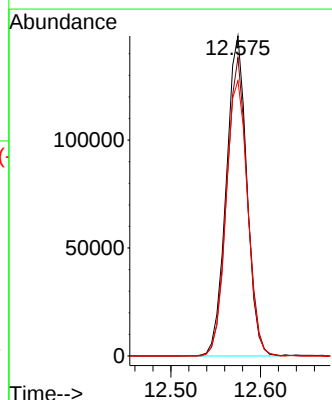
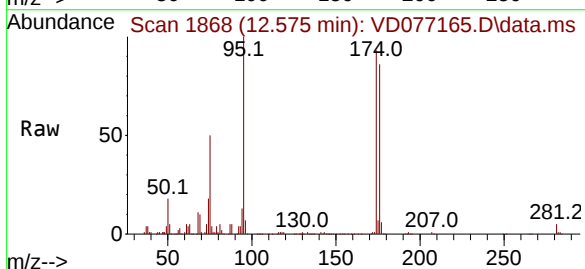
Tgt Ion: 95 Resp: 235760

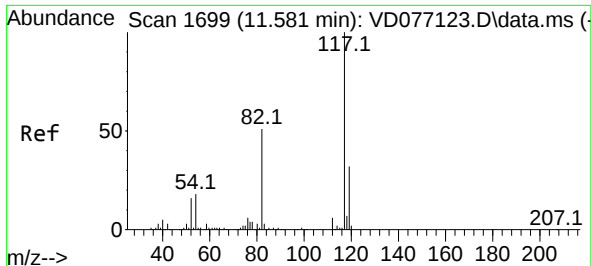
Ion Ratio Lower Upper

95 100

174 93.6 0.0 201.8

176 90.0 0.0 191.8

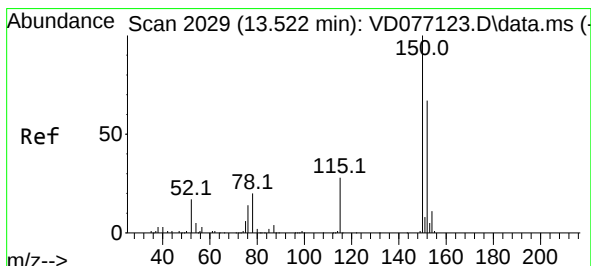
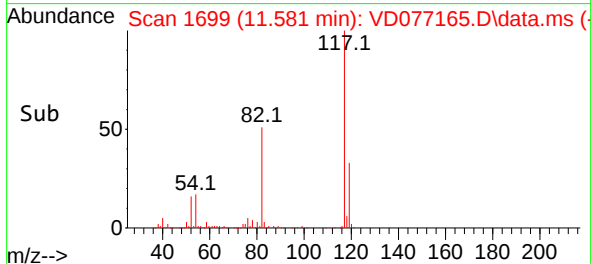
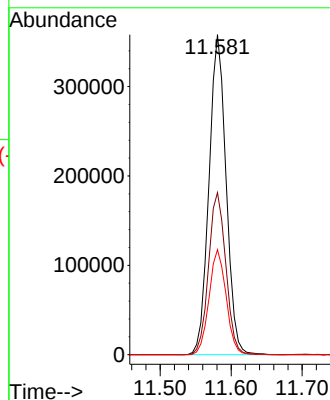
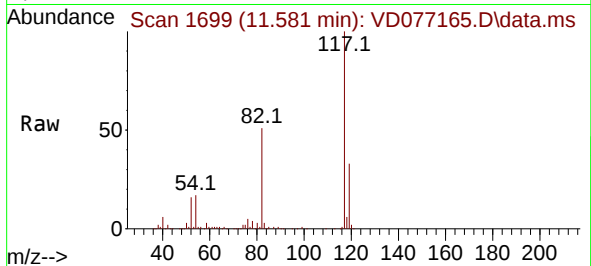




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :
WC-1

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.7	38.3	57.5
119	32.8	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.1	81.3
150	156.2	0.0	353.6

