

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076831.D
 Acq On : 27 Jul 2023 13:47
 Operator : KP/SY
 Sample : 03769-14
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P31B

Quant Time: Jul 27 14:48:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	8262	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	17948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	17759	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	7916	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	6938	84.309	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	168.620%#
35) Dibromofluoromethane	7.799	113	6579	58.331	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.660%
50) Toluene-d8	10.269	98	21597	53.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.060%
62) 4-Bromofluorobenzene	12.575	95	6505	49.837	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.680%

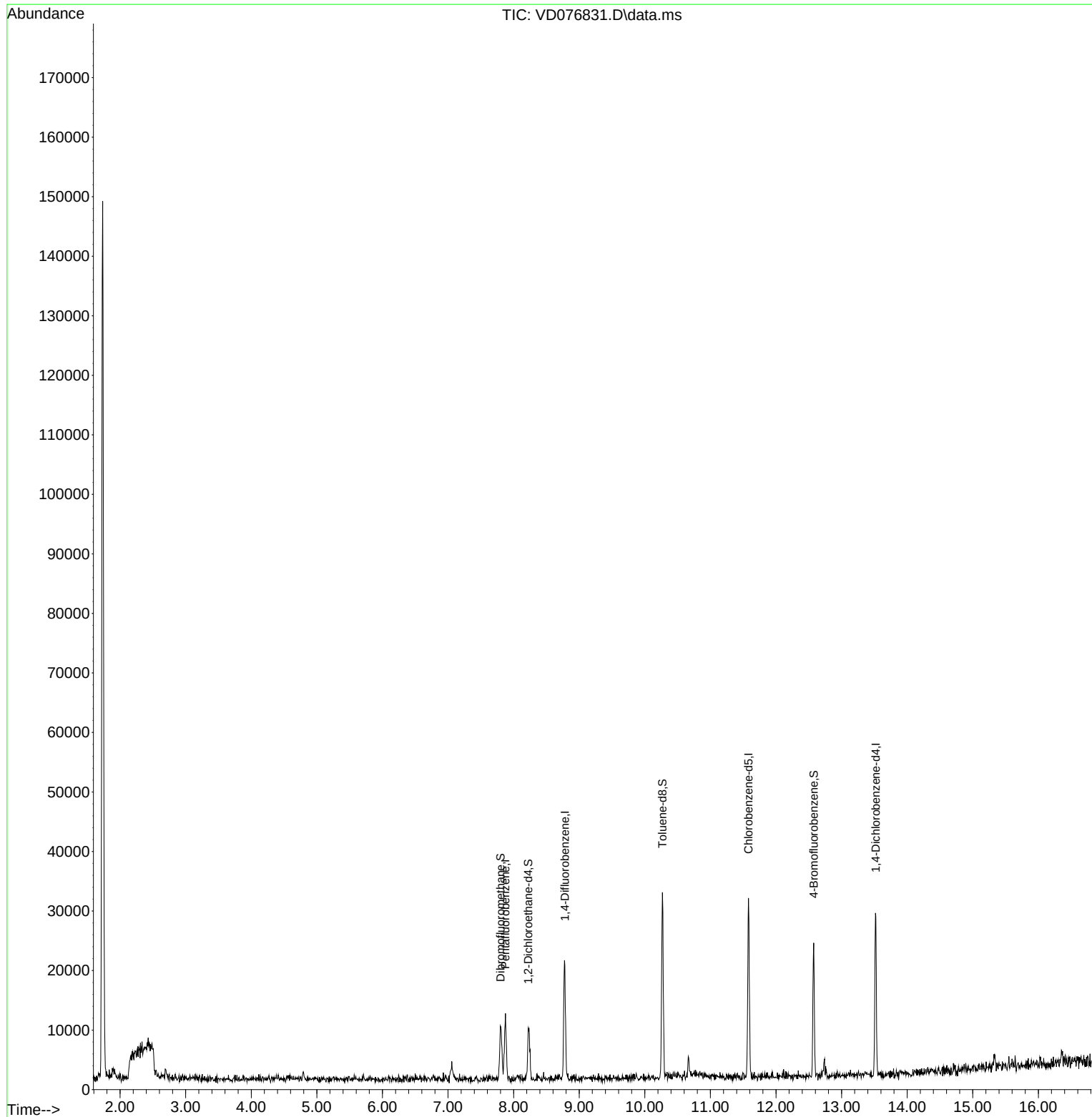
Target Compounds	Qvalue

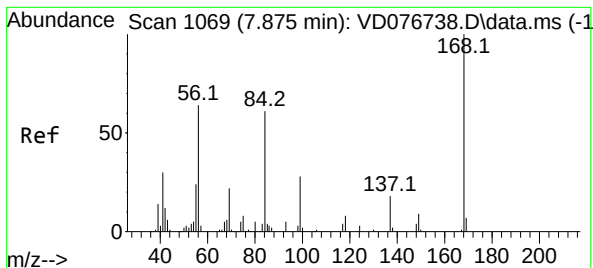
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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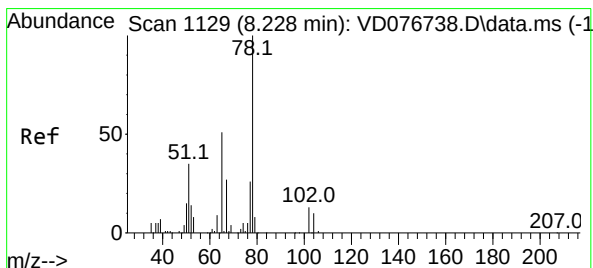
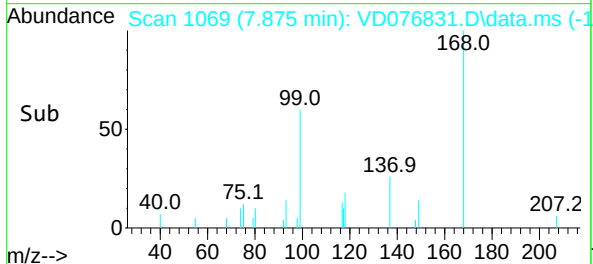
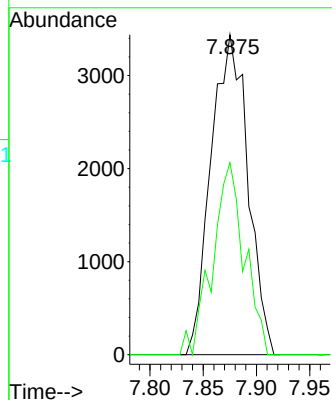
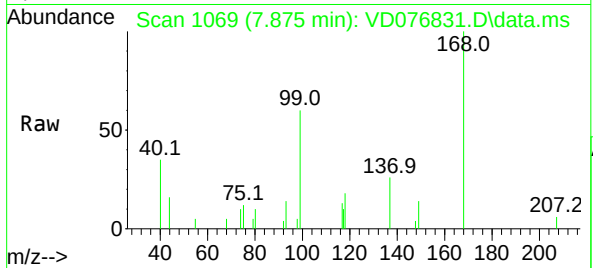




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

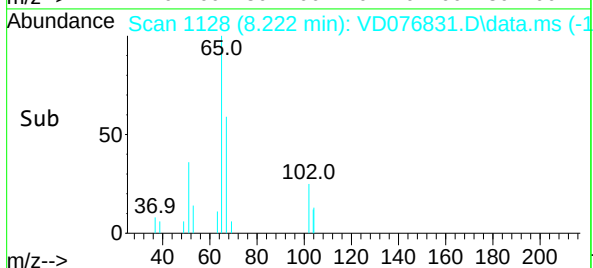
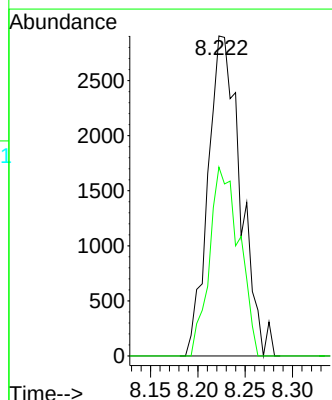
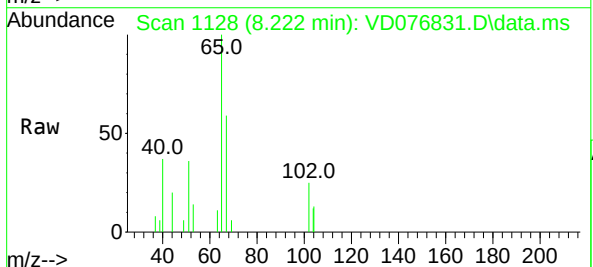
Instrument :
MSVOA_D
ClientSampleId :
B-P31B

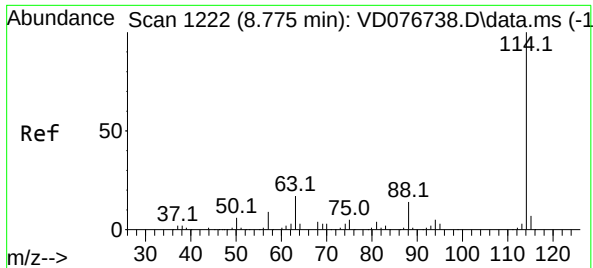
Tgt Ion:168 Resp: 8262
Ion Ratio Lower Upper
168 100
99 60.0 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 84.309 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Tgt Ion: 65 Resp: 6938
Ion Ratio Lower Upper
65 100
67 54.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076831.D

Acq: 27 Jul 2023 13:47

Instrument :

MSVOA_D

ClientSampleId :

B-P31B

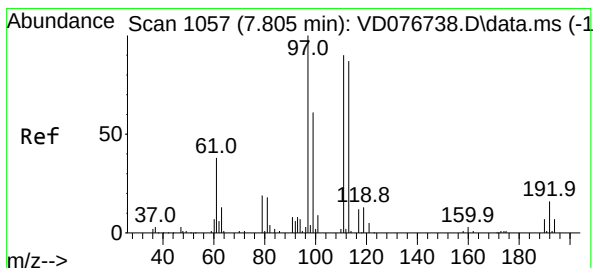
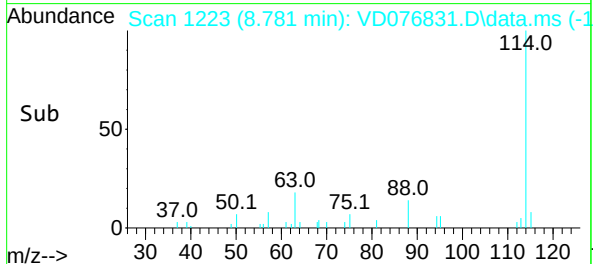
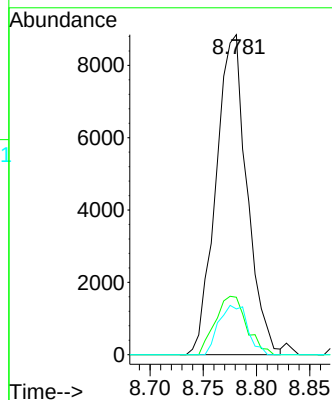
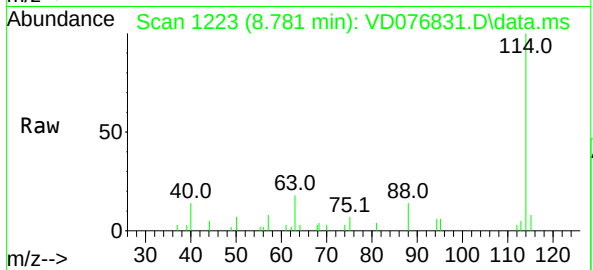
Tgt Ion:114 Resp: 17948

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 58.331 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076831.D

Acq: 27 Jul 2023 13:47

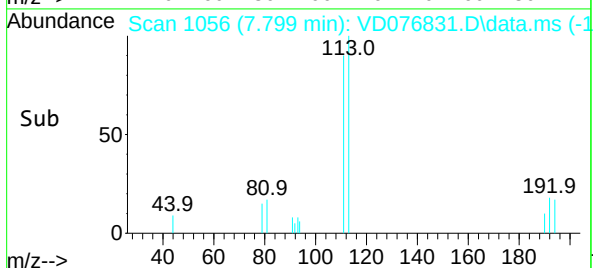
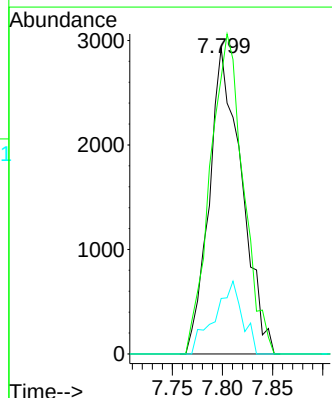
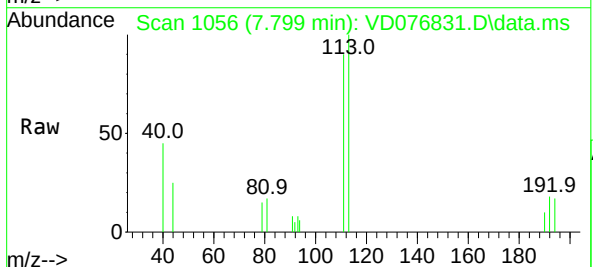
Tgt Ion:113 Resp: 6579

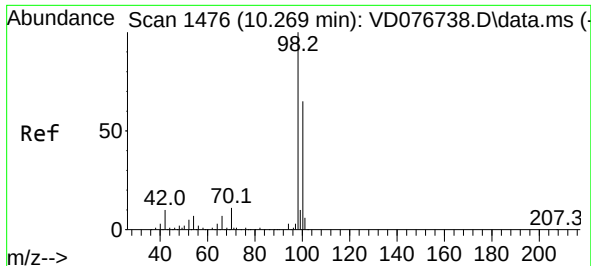
Ion Ratio Lower Upper

113 100

111 107.0 84.7 127.1

192 20.4 16.8 25.2

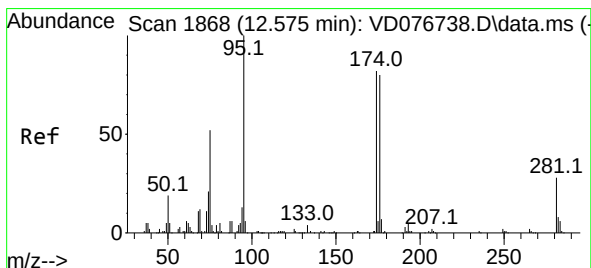
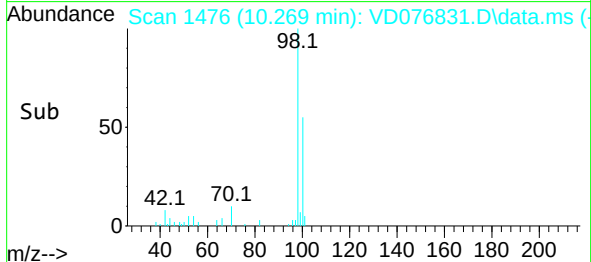
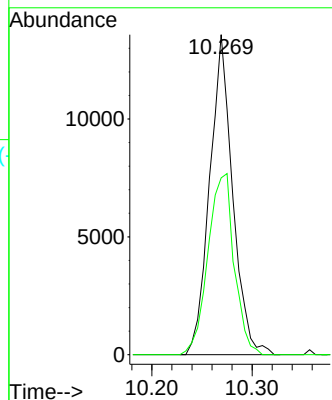
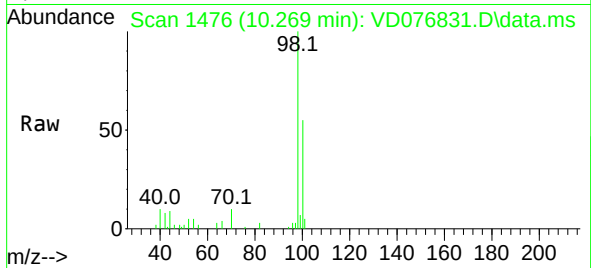




#50
Toluene-d8
Concen: 53.527 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

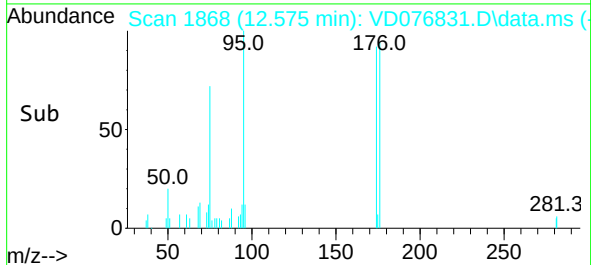
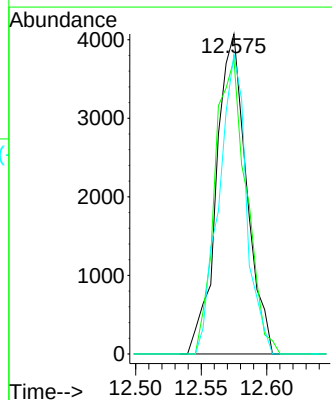
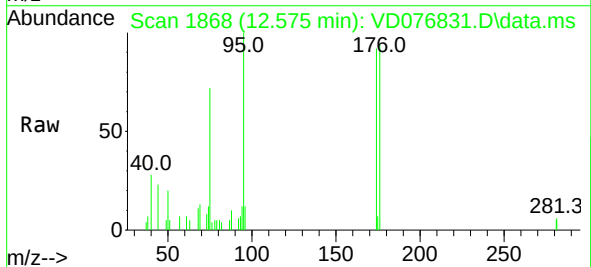
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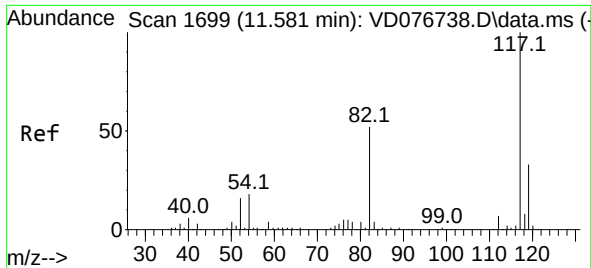
Tgt Ion: 98 Resp: 21597
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.837 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Tgt Ion: 95 Resp: 6505
Ion Ratio Lower Upper
95 100
174 96.2 0.0 201.8
176 85.6 0.0 191.8

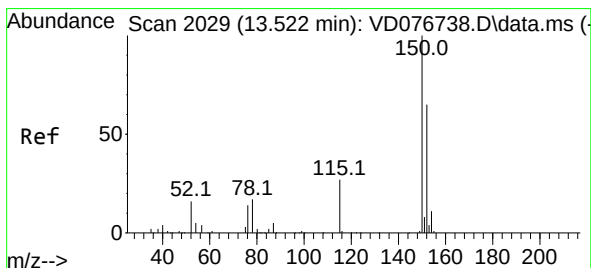
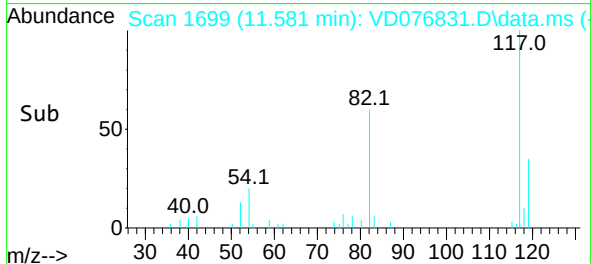
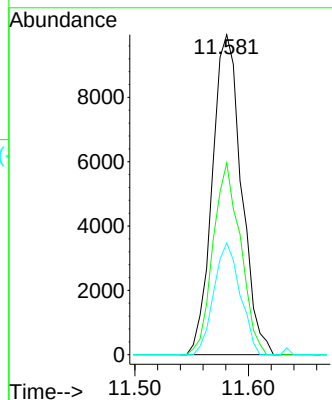
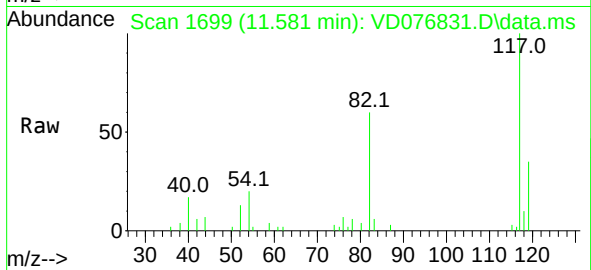




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117759
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Instrument :
MSVOA_D
ClientSampleId :
B-P31B

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.0	38.3	57.5#
119	34.9	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.1	81.3
150	148.7	0.0	353.6

