

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD076995.D
 Acq On : 14 Aug 2023 12:30
 Operator : JC/SY
 Sample : 03952-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-1-080923

Quant Time: Aug 14 13:03:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	198879	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	393126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	378334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	157370	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86889	55.383	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.760%
35) Dibromofluoromethane	7.804	113	108140	51.166	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.340%
50) Toluene-d8	10.269	98	398862	58.757	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	117.520%
62) 4-Bromofluorobenzene	12.575	95	113524	47.838	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.680%

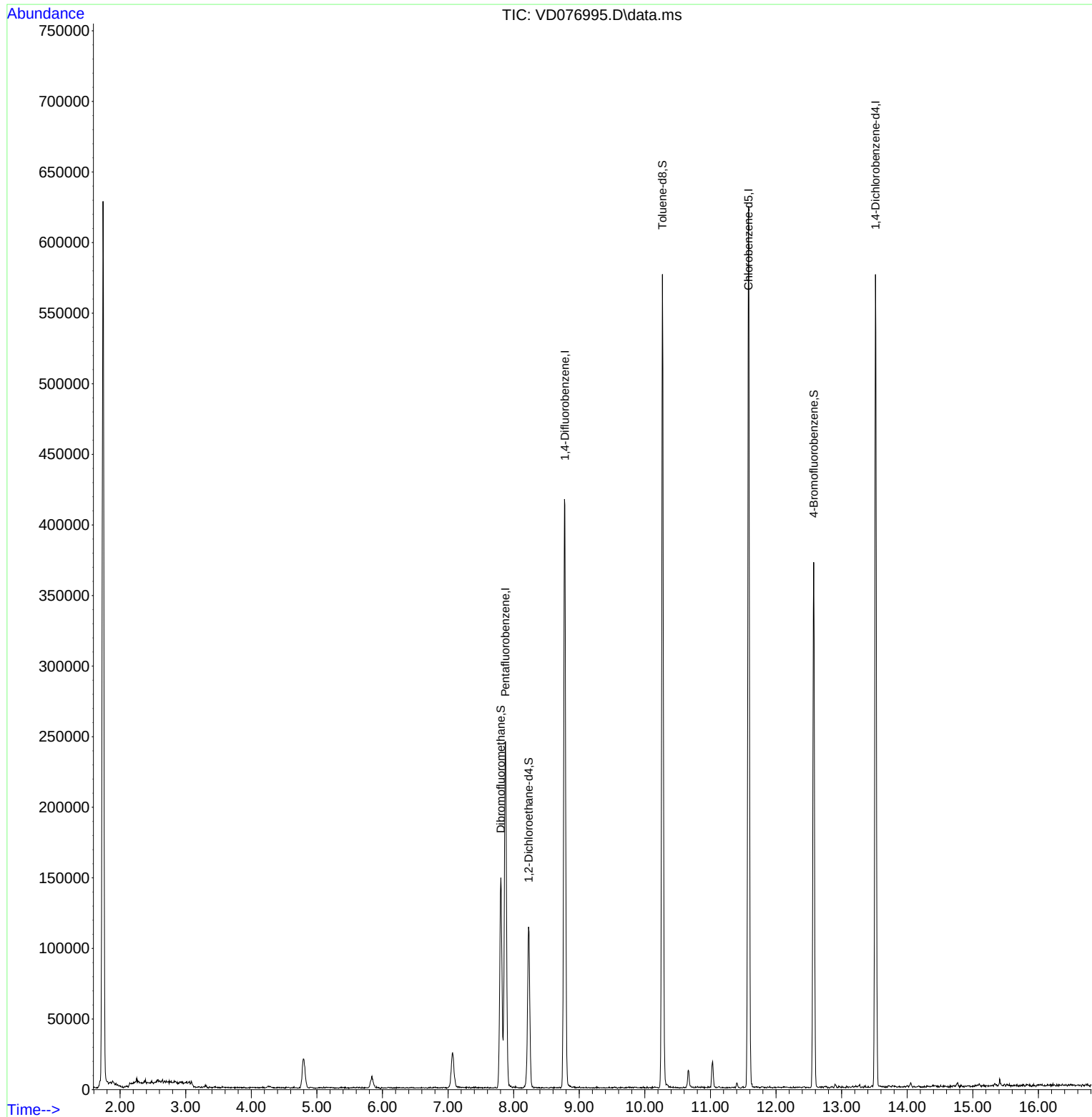
Target Compounds	Qvalue

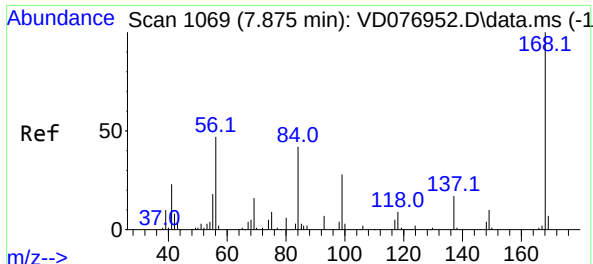
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

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MSVOA_D

ClientSampleId :

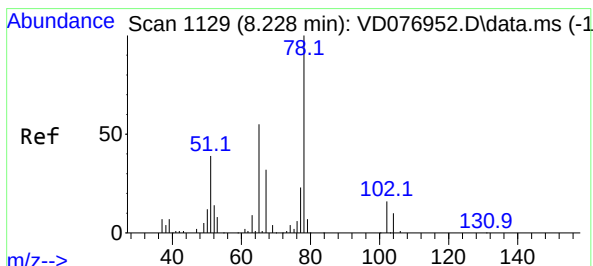
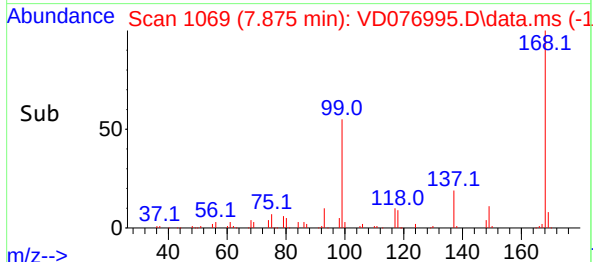
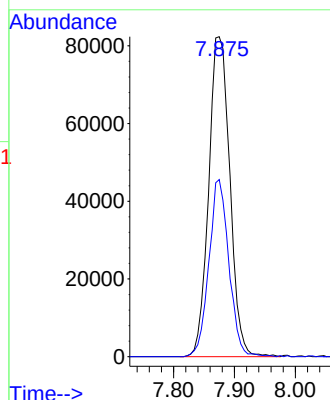
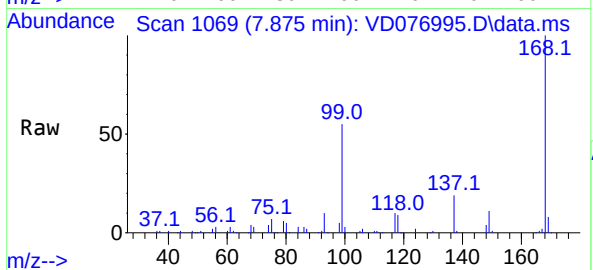
OK-1-080923

Tgt Ion:168 Resp: 198879

Ion Ratio Lower Upper

168 100

99 55.3 36.7 55.1#



1,2-Dichloroethane-d4

Concen: 55.383 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076995.D

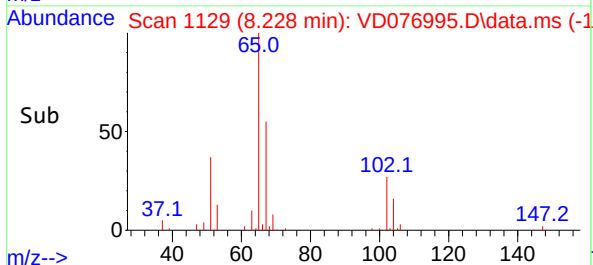
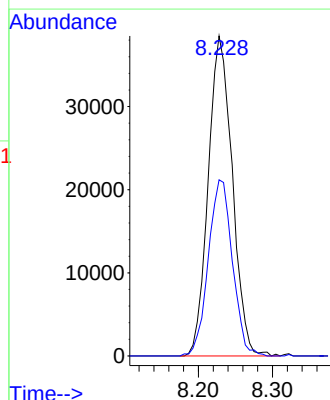
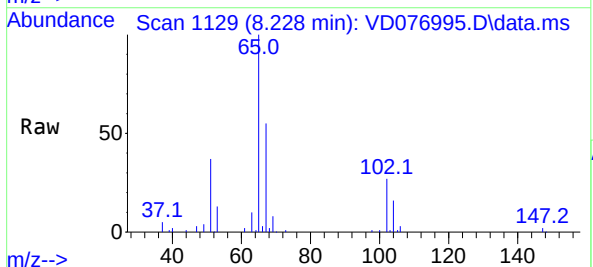
Acq: 14 Aug 2023 12:30

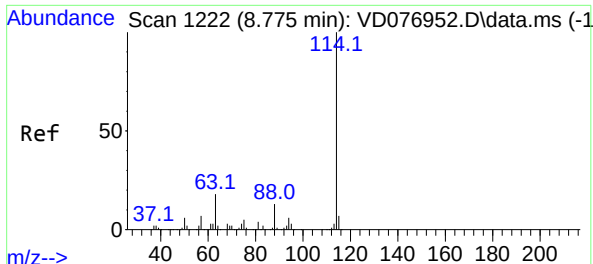
Tgt Ion: 65 Resp: 86889

Ion Ratio Lower Upper

65 100

67 55.1 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: VD076995.D

Acq: 14 Aug 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

OK-1-080923

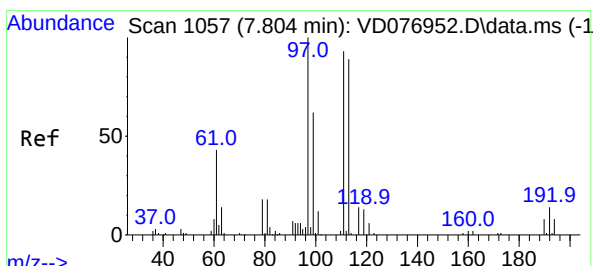
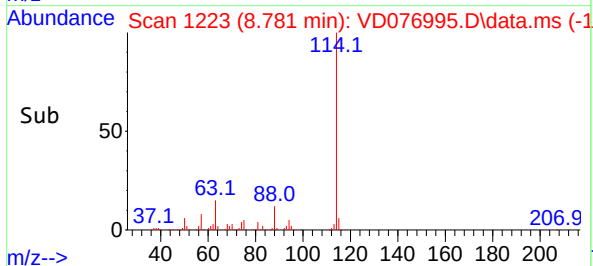
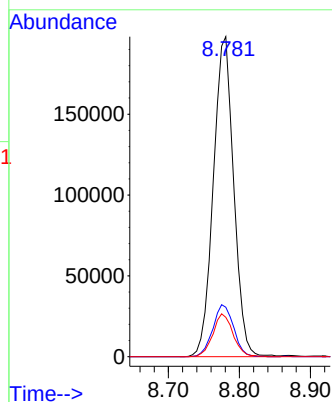
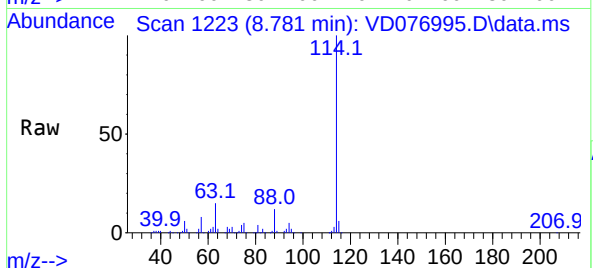
Tgt Ion:114 Resp: 393126

Ion Ratio Lower Upper

114 100

63 15.4 0.0 33.4

88 12.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.166 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076995.D

Acq: 14 Aug 2023 12:30

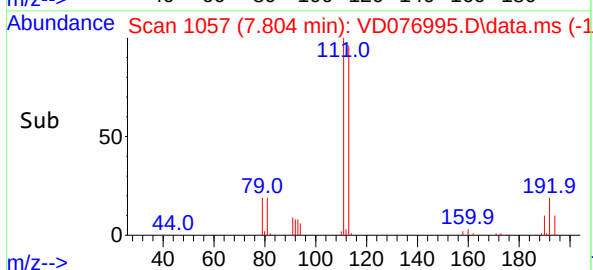
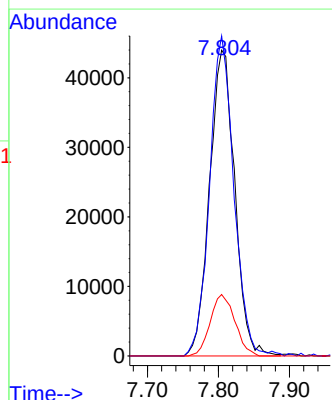
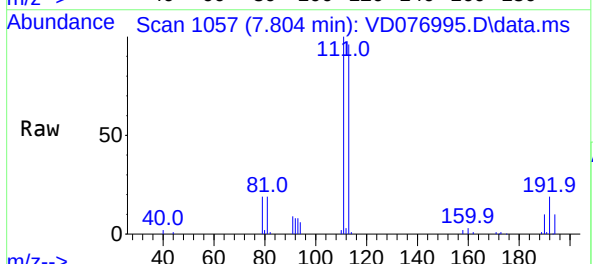
Tgt Ion:113 Resp: 108140

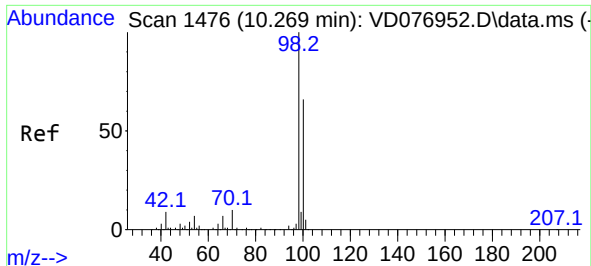
Ion Ratio Lower Upper

113 100

111 100.4 84.7 127.1

192 19.7 16.8 25.2

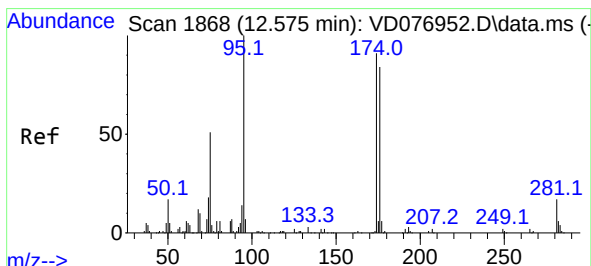
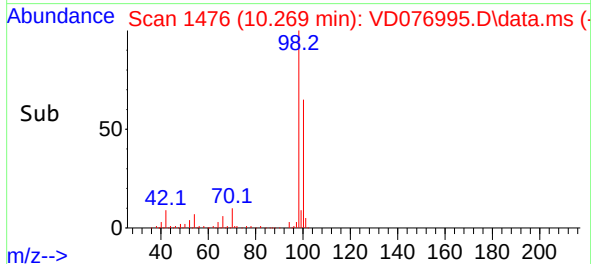
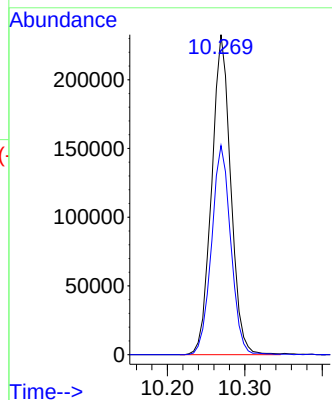
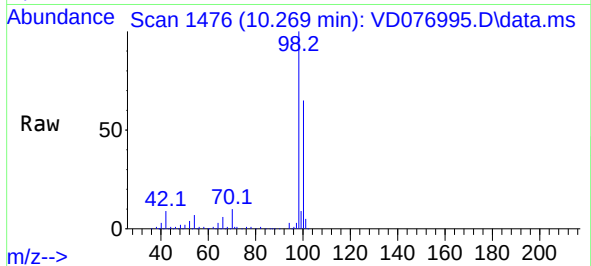




#50
Toluene-d8
Concen: 58.757 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076995.D
Acq: 14 Aug 2023 12:30

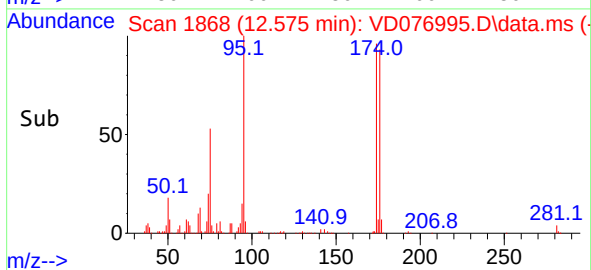
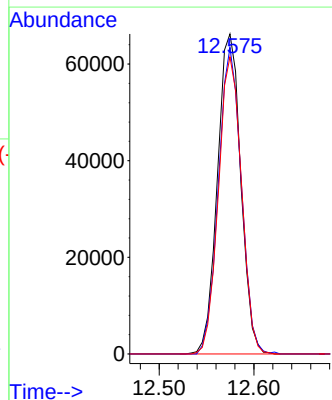
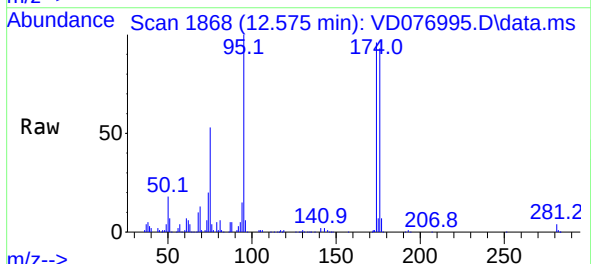
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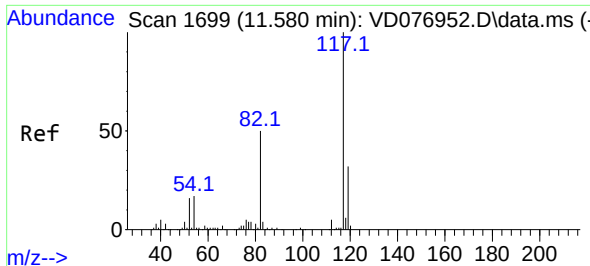
Tgt Ion: 98 Resp: 398862
Ion Ratio Lower Upper
98 100
100 65.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.838 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076995.D
Acq: 14 Aug 2023 12:30

Tgt Ion: 95 Resp: 113524
Ion Ratio Lower Upper
95 100
174 93.5 0.0 201.8
176 91.5 0.0 191.8

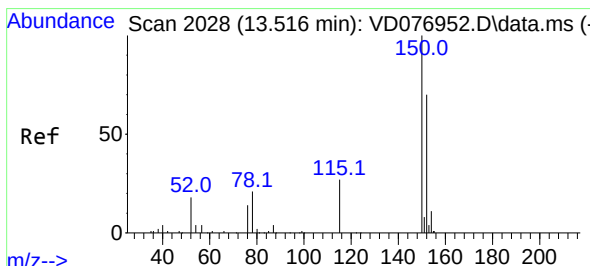
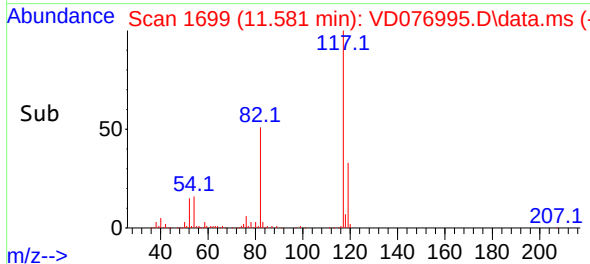
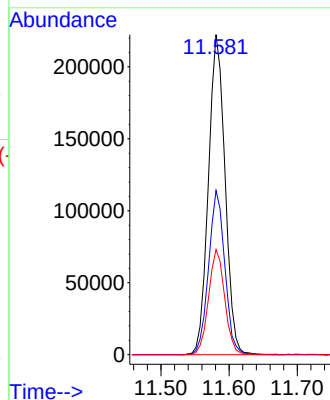
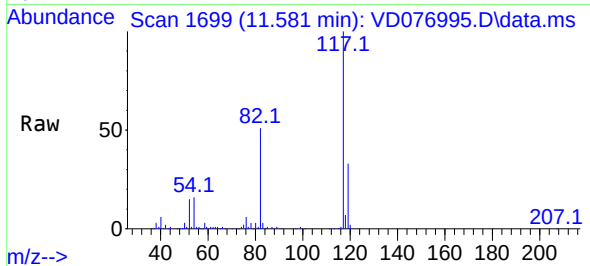




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VD076995.D
Acq: 14 Aug 2023 12:30

Instrument :
MSVOA_D
ClientSampleId :
OK-1-080923

Tgt Ion:117 Resp: 378334
Ion Ratio Lower Upper
117 100
82 51.3 38.3 57.5
119 32.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076995.D
Acq: 14 Aug 2023 12:30

Tgt Ion:152 Resp: 157370
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 159.0 0.0 353.6

