

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020924\
 Data File : VD078395.D
 Acq On : 09 Feb 2024 19:48
 Operator : RP/MD
 Sample : P1448-01
 Misc : 5.02G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-020924

Quant Time: Feb 09 23:04:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	71051	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	161921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	87095	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	46841	53.255	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.500%
35) Dibromofluoromethane	7.804	113	56476	48.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.980%
50) Toluene-d8	10.269	98	219294	50.246	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.575	95	73516	56.247	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.500%

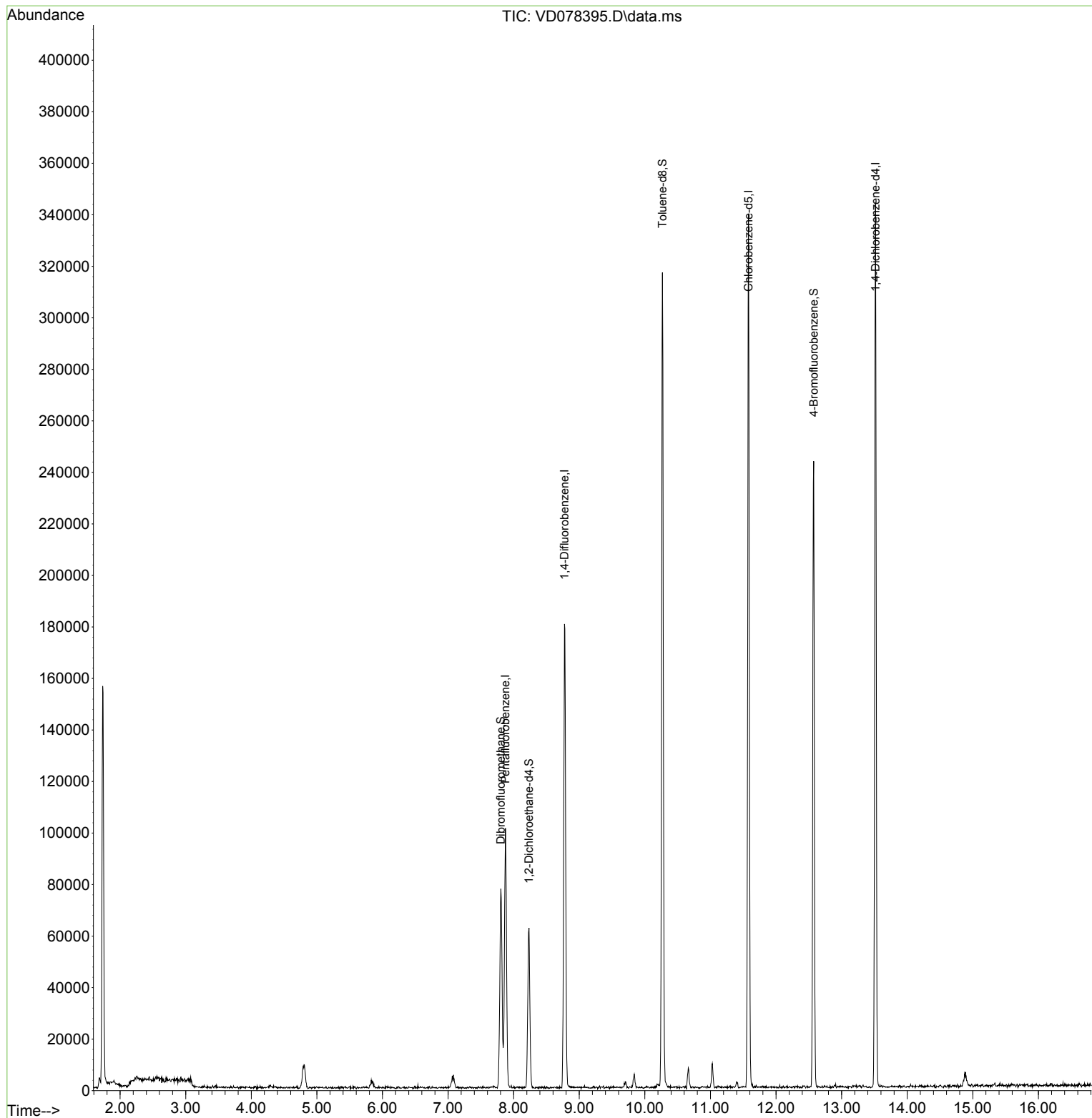
Target Compounds	Qvalue

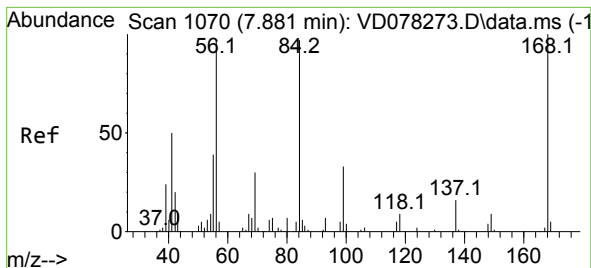
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 110

Delta R.T. -0.006 min

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Instrument :

MSVOA_D

ClientSampleId :

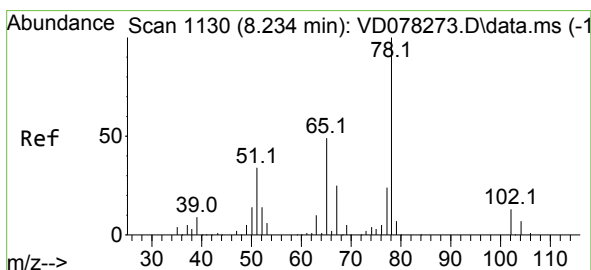
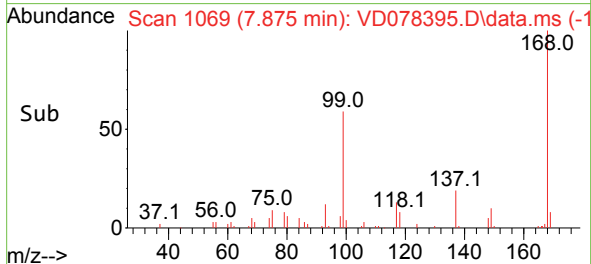
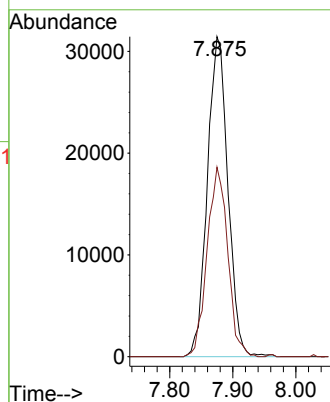
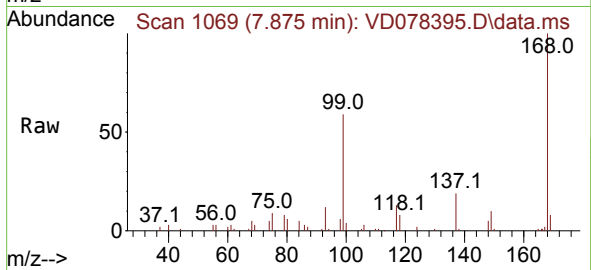
HD-02-020924

Tgt Ion:168 Resp: 71051

Ion Ratio Lower Upper

168 100

99 59.2 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 53.255 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078395.D

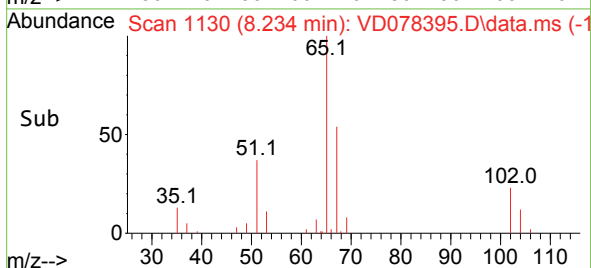
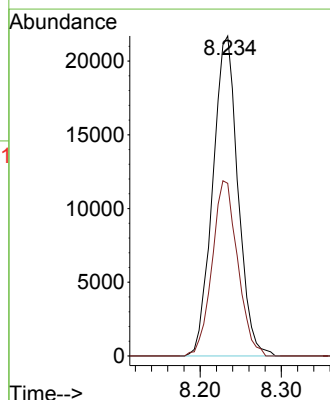
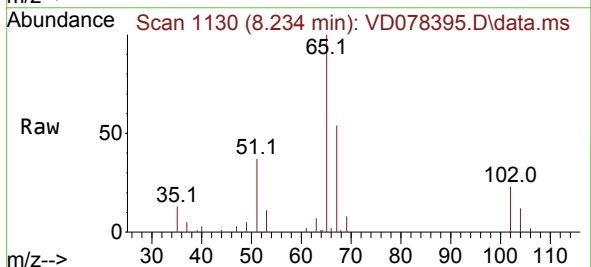
Acq: 09 Feb 2024 19:48

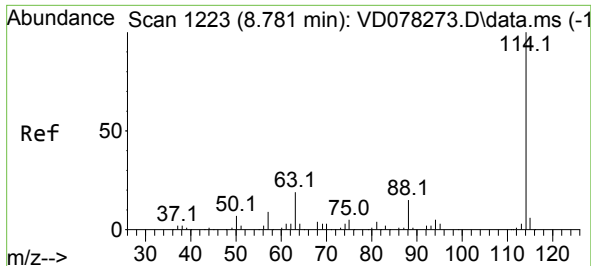
Tgt Ion: 65 Resp: 46841

Ion Ratio Lower Upper

65 100

67 55.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078395.D

Acq: 09 Feb 2024 19:48

Instrument :

MSVOA_D

ClientSampleId :

HD-02-020924

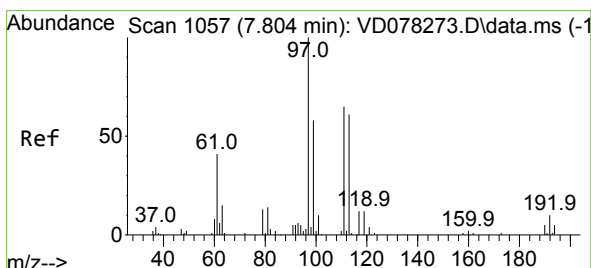
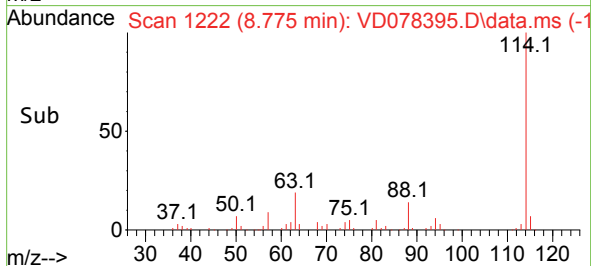
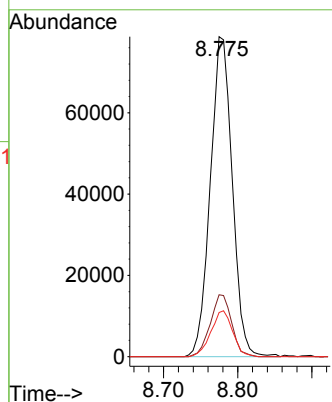
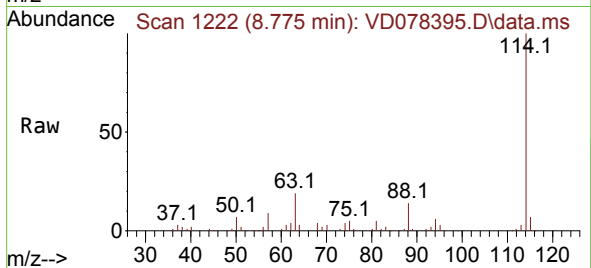
Tgt Ion:114 Resp: 161921

Ion Ratio Lower Upper

114 100

63 19.3 0.0 33.4

88 13.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.992 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD078395.D

Acq: 09 Feb 2024 19:48

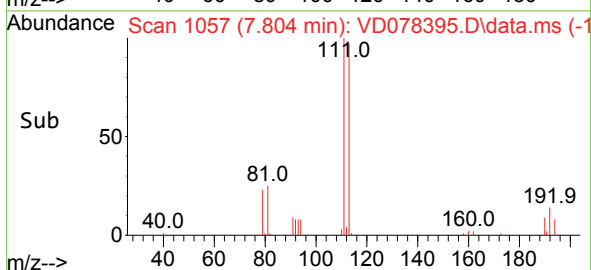
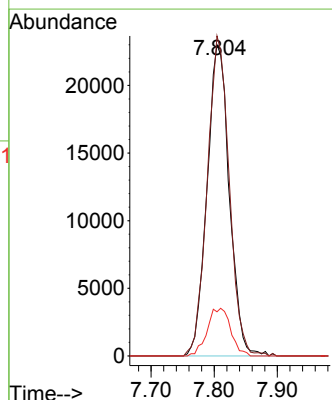
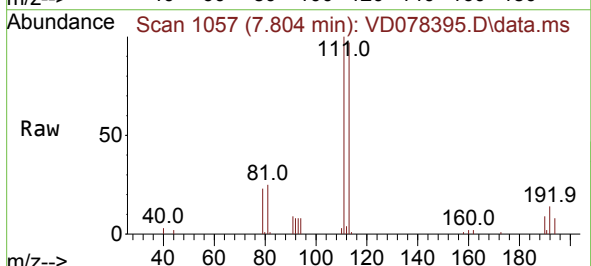
Tgt Ion:113 Resp: 56476

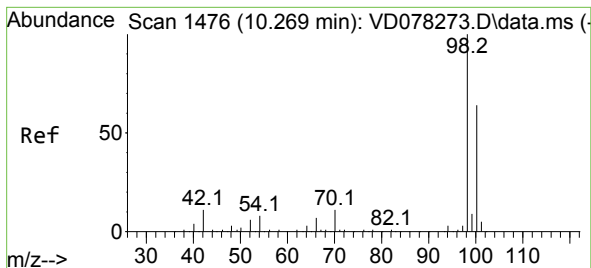
Ion Ratio Lower Upper

113 100

111 101.4 84.7 127.1

192 16.1 16.8 25.2#





#50

Toluene-d8

Concen: 50.246 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078395.D

Acq: 09 Feb 2024 19:48

Instrument :

MSVOA_D

ClientSampleId :

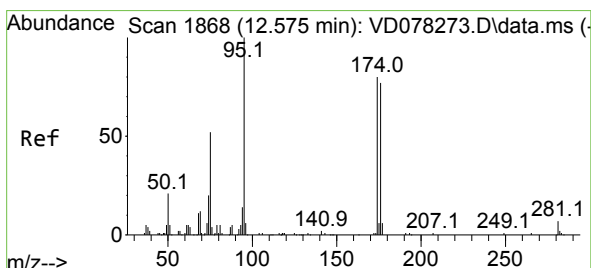
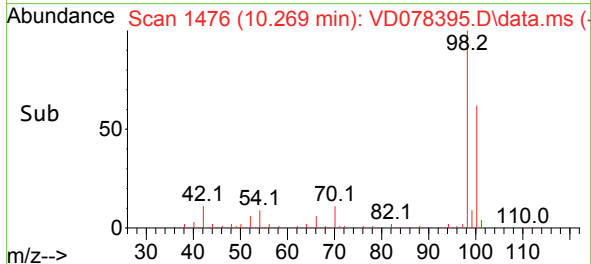
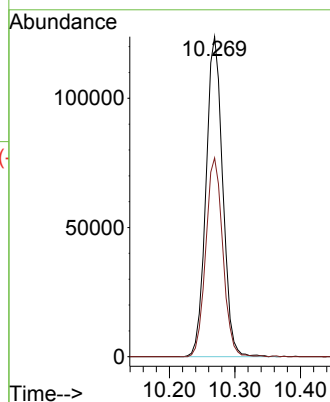
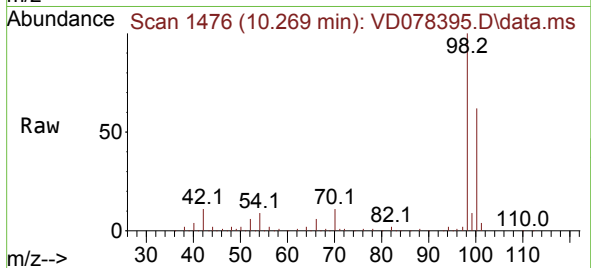
HD-02-020924

Tgt Ion: 98 Resp: 219294

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 56.247 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD078395.D

Acq: 09 Feb 2024 19:48

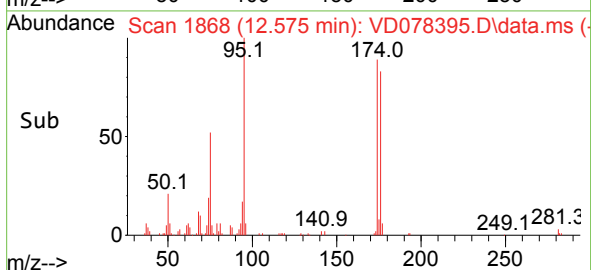
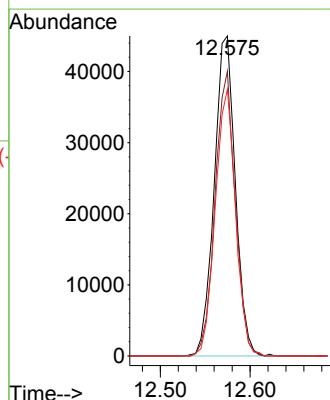
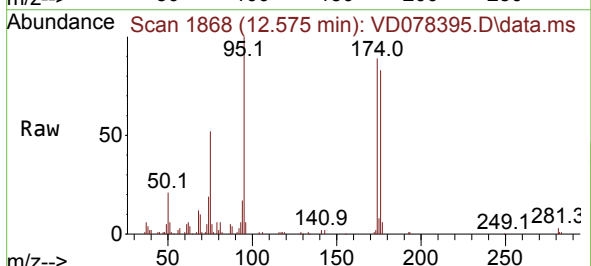
Tgt Ion: 95 Resp: 73516

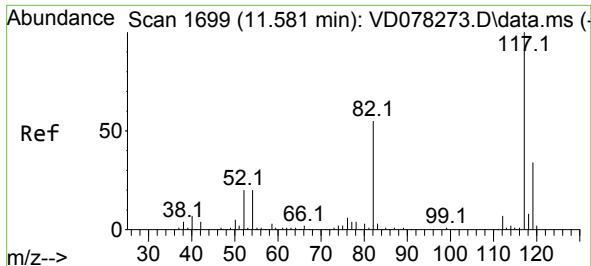
Ion Ratio Lower Upper

95 100

174 85.0 0.0 201.8

176 80.2 0.0 191.8

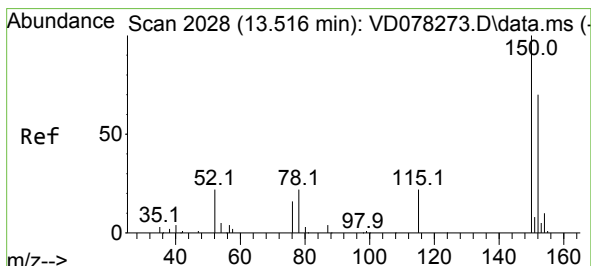
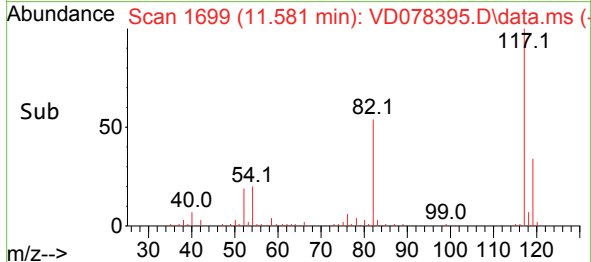
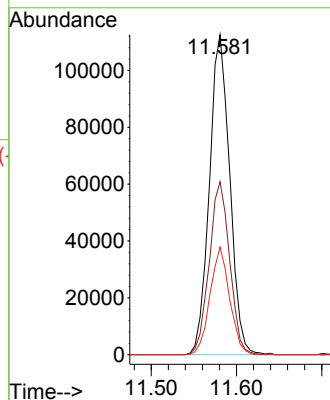
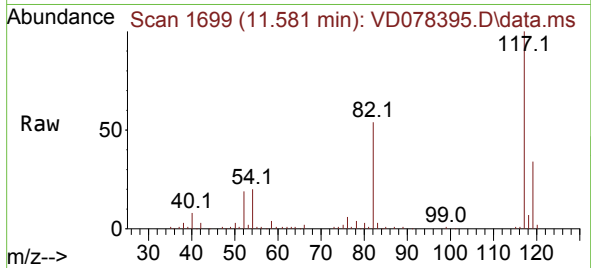




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078395.D
Acq: 09 Feb 2024 19:48

Instrument :
MSVOA_D
ClientSampleId :
HD-02-020924

Tgt Ion:117 Resp: 186639
Ion Ratio Lower Upper
117 100
82 54.0 38.3 57.5
119 33.6 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: VD078395.D
Acq: 09 Feb 2024 19:48

Tgt Ion:152 Resp: 87095
Ion Ratio Lower Upper
152 100
115 59.9 27.1 81.3
150 159.4 0.0 353.6

