

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076673.D
 Acq On : 14 Feb 2023 20:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 15 03:18:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	305608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	546665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	479426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	190392	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	218854	51.861	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.720%
35) Dibromofluoromethane	8.178	113	164527	45.957	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.920%
50) Toluene-d8	10.572	98	664969	49.737	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.480%
62) 4-Bromofluorobenzene	12.854	95	201467	45.497	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.000%

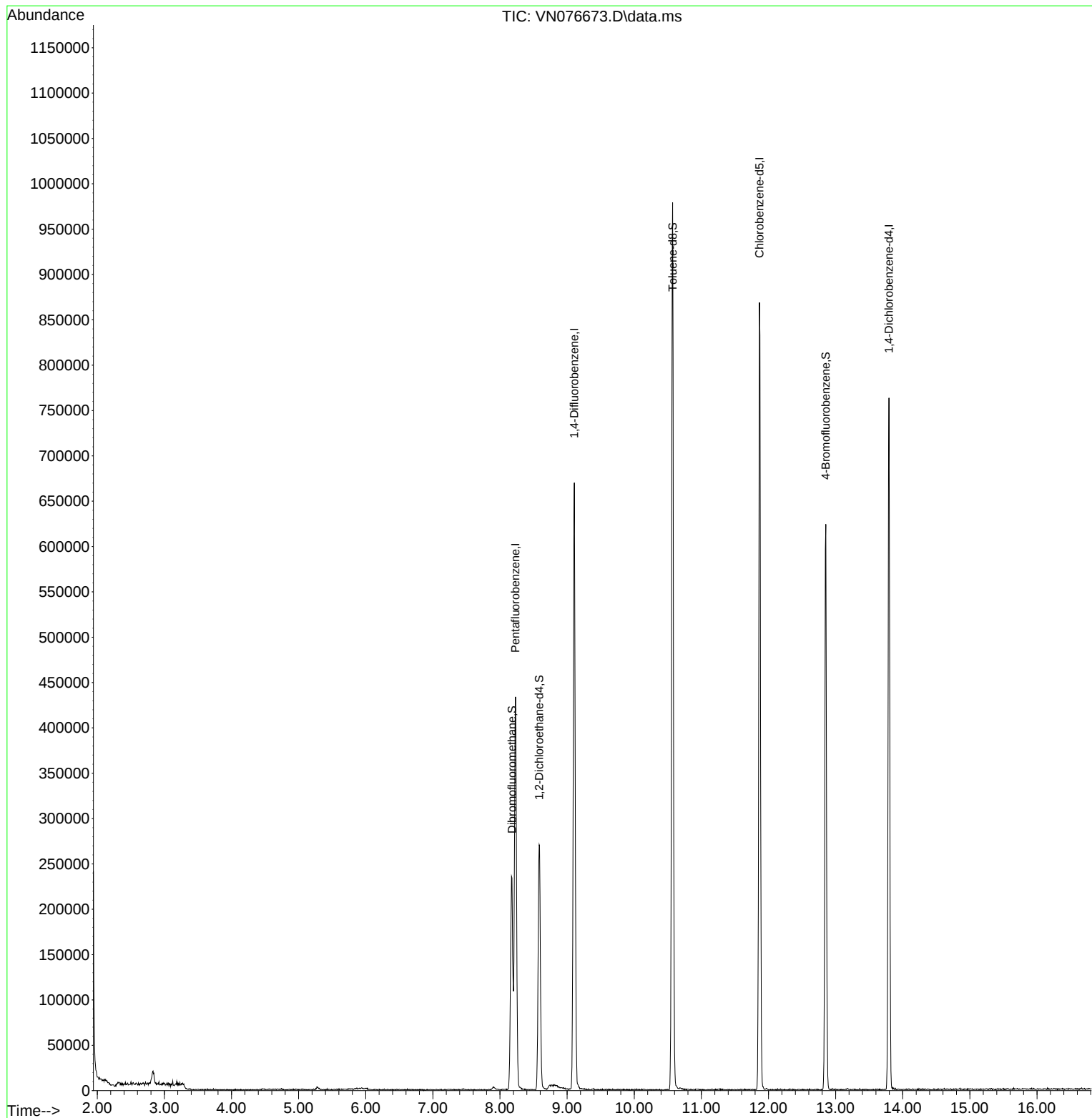
Target Compounds	Qvalue

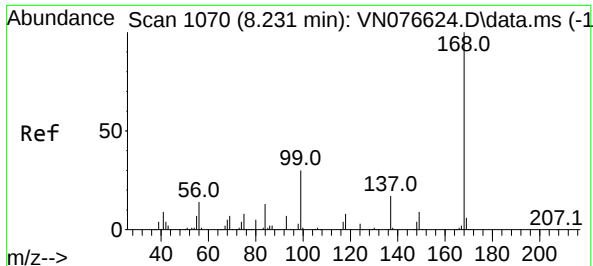
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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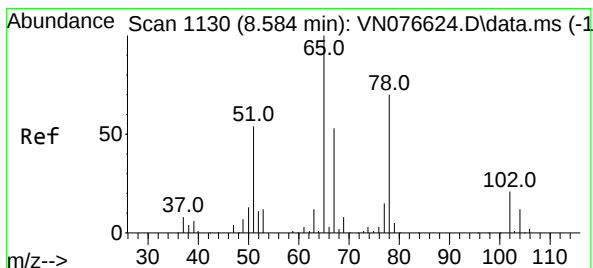
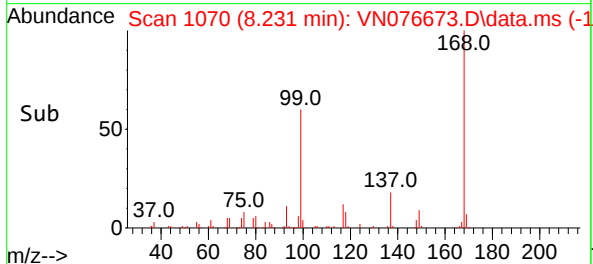
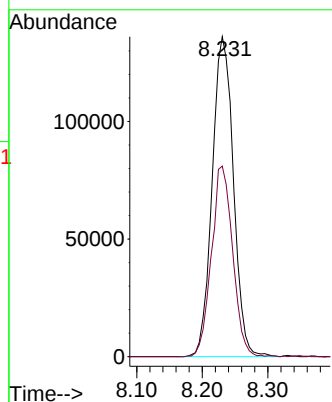
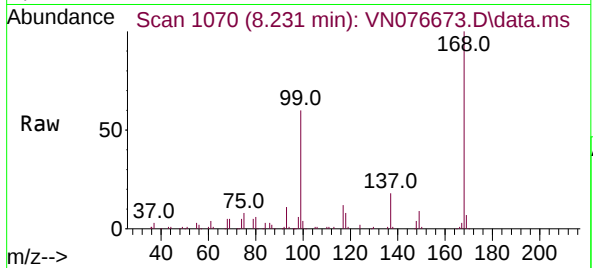




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076673.D
Acq: 14 Feb 2023 20:12

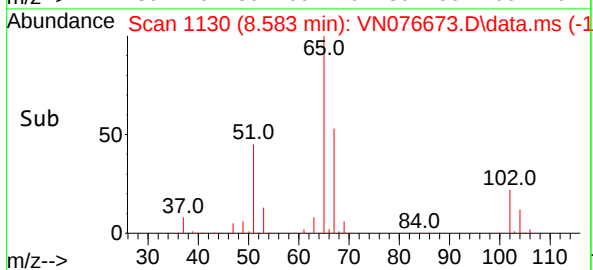
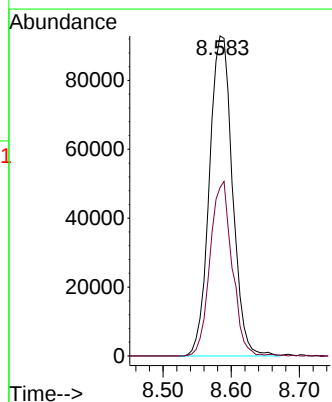
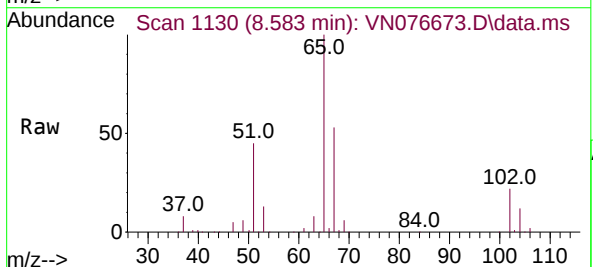
Instrument :
MSVOA_N
ClientSampleId :
IBLK

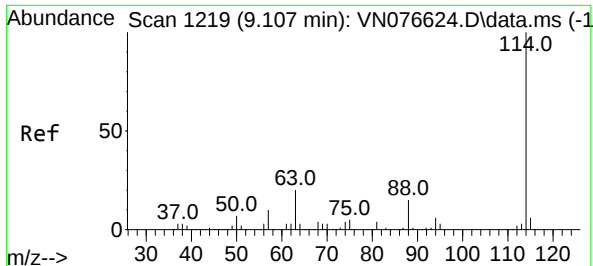
Tgt Ion:168 Resp: 305608
Ion Ratio Lower Upper
168 100
99 59.5 44.8 67.2



#33
1,2-Dichloroethane-d4
Concen: 51.861 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076673.D
Acq: 14 Feb 2023 20:12

Tgt Ion: 65 Resp: 218854
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076673.D

Acq: 14 Feb 2023 20:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

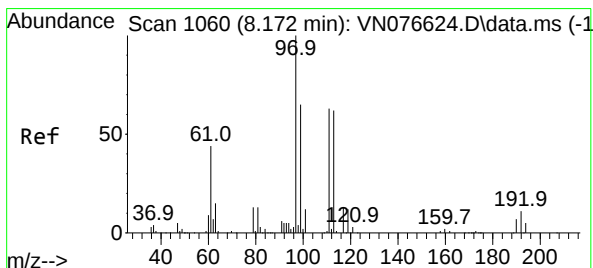
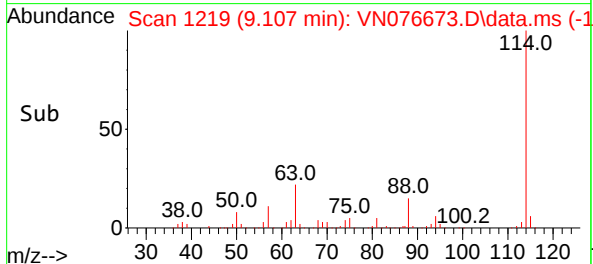
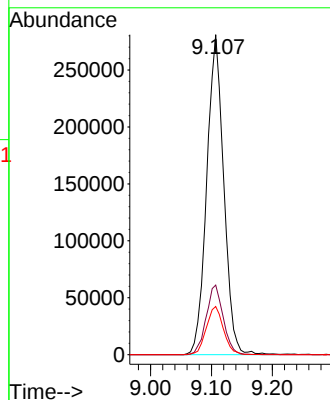
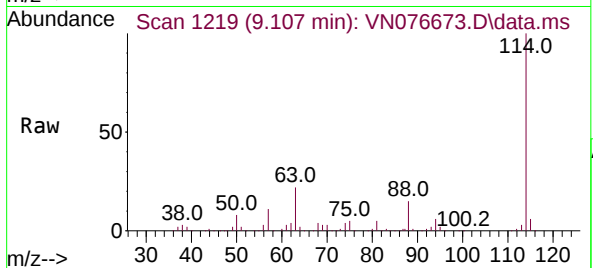
Tgt Ion:114 Resp: 546665

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.1 0.0 29.6



#35

Dibromofluoromethane

Concen: 45.957 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076673.D

Acq: 14 Feb 2023 20:12

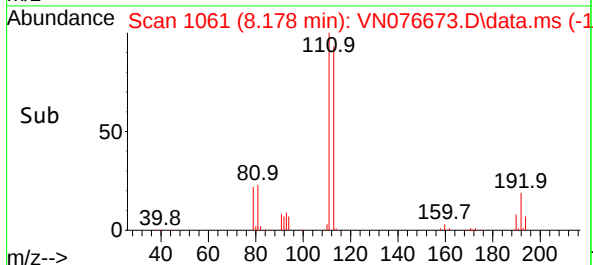
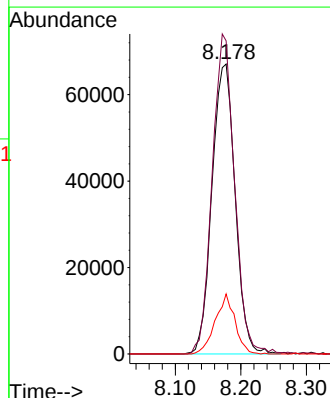
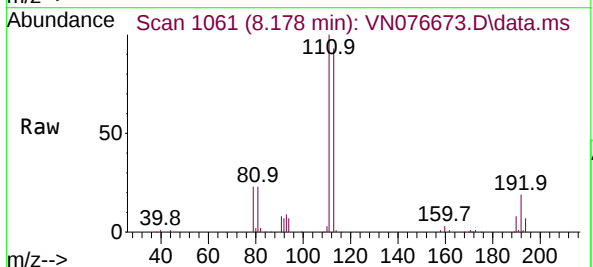
Tgt Ion:113 Resp: 164527

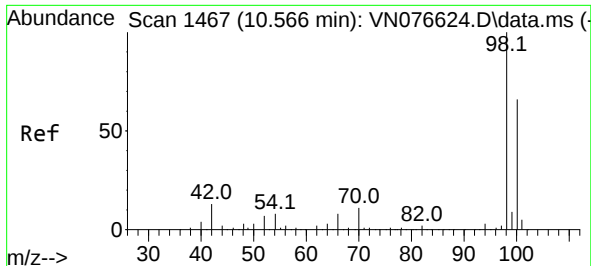
Ion Ratio Lower Upper

113 100

111 106.5 83.1 124.7

192 17.6 15.6 23.4





#50

Toluene-d8

Concen: 49.737 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076673.D

Acq: 14 Feb 2023 20:12

Instrument :

MSVOA_N

ClientSampleId :

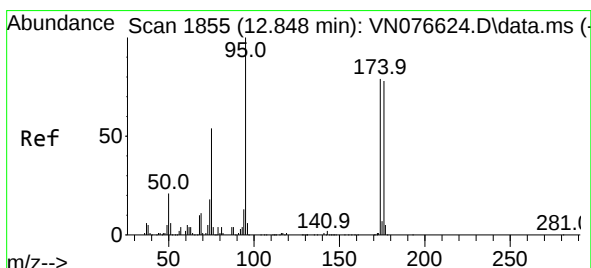
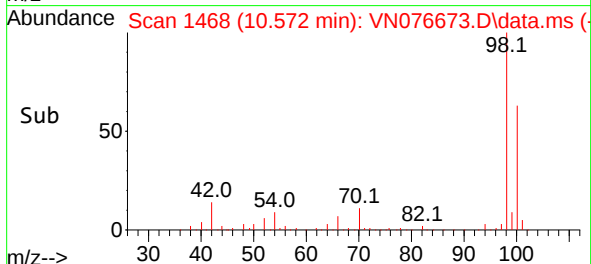
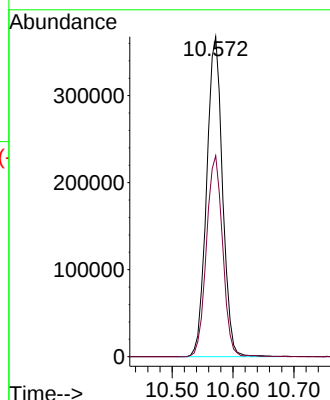
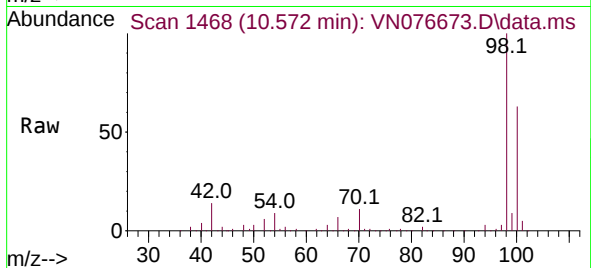
IBLK

Tgt Ion: 98 Resp: 664969

Ion Ratio Lower Upper

98 100

100 63.7 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.497 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN076673.D

Acq: 14 Feb 2023 20:12

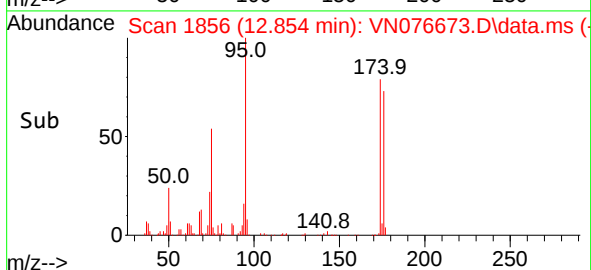
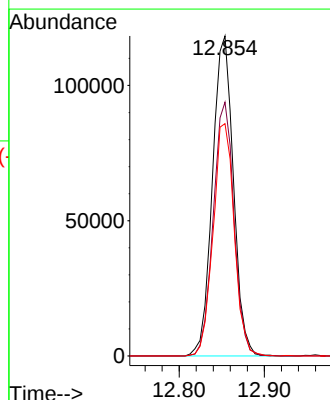
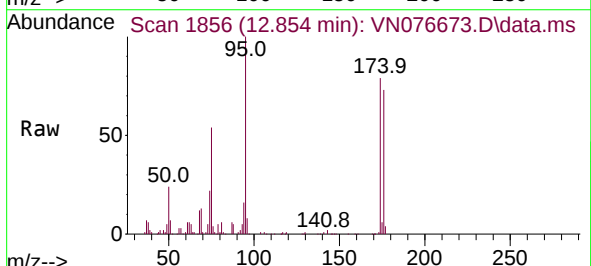
Tgt Ion: 95 Resp: 201467

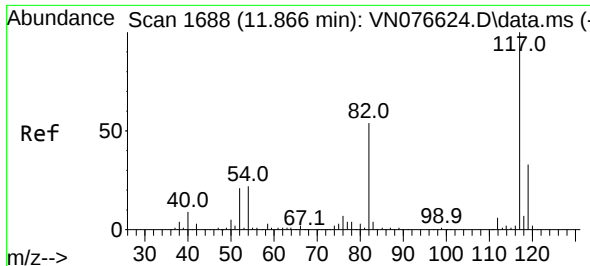
Ion Ratio Lower Upper

95 100

174 78.5 0.0 169.2

176 73.4 0.0 163.4

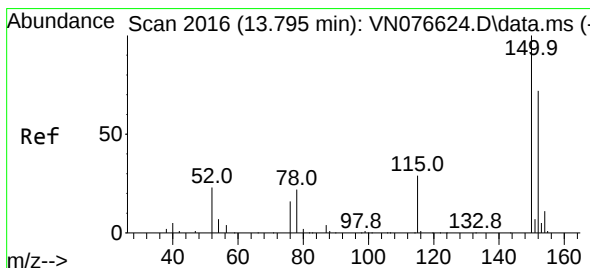
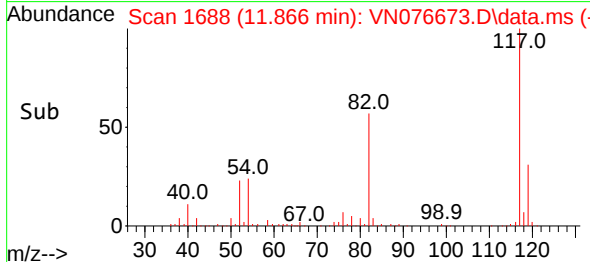
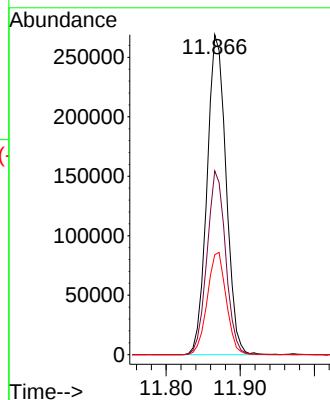
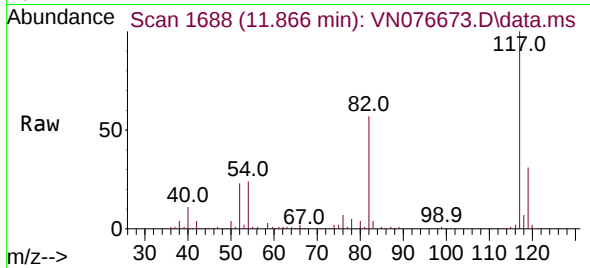




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076673.D
Acq: 14 Feb 2023 20:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 479426
Ion Ratio Lower Upper
117 100
82 57.4 43.4 65.2
119 31.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076673.D
Acq: 14 Feb 2023 20:12

Tgt Ion:152 Resp: 190392
Ion Ratio Lower Upper
152 100
115 60.2 29.3 87.9
150 156.7 0.0 349.8

