

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076779.D
 Acq On : 22 Feb 2023 18:28
 Operator : JC\MD
 Sample : 01657-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2023-2-15

Quant Time: Feb 22 23:59:22 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	8.237	168	271158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	487884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	422116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	164296	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	199748	53.347	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.700%
35) Dibromofluoromethane	8.178	113	153551	48.059	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.120%
50) Toluene-d8	10.572	98	595174	49.880	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.760%
62) 4-Bromofluorobenzene	12.854	95	176042	44.545	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.100%

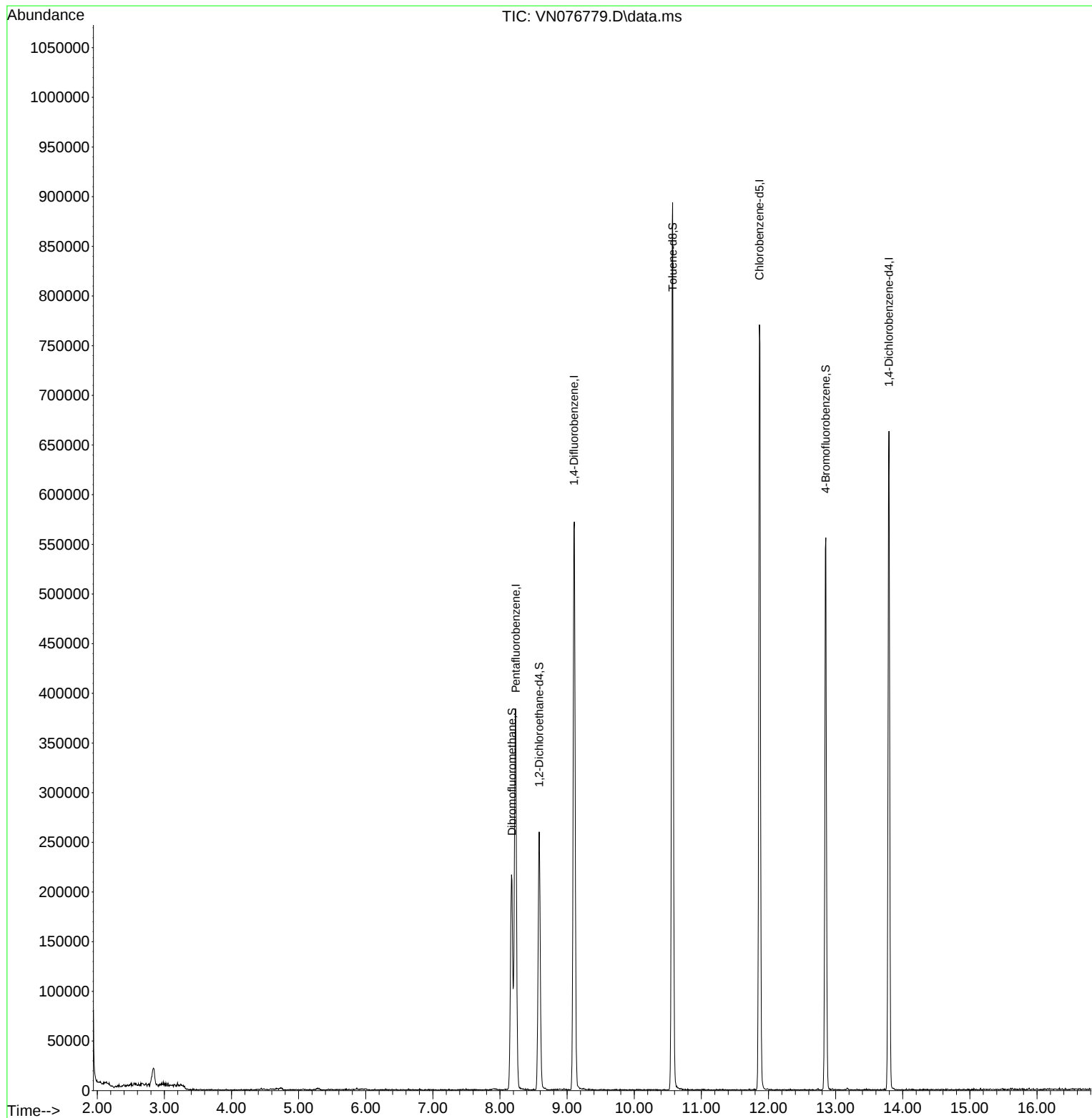
Target Compounds	Qvalue

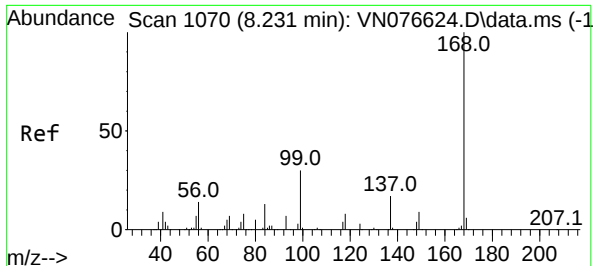
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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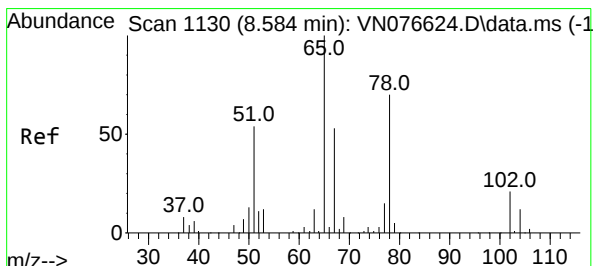
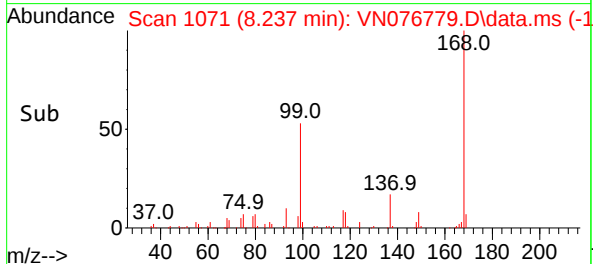
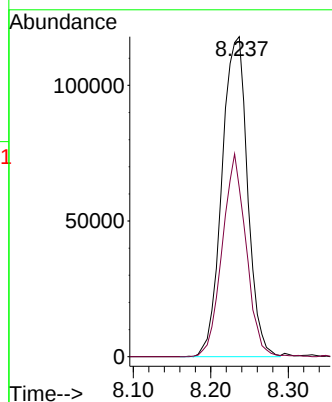
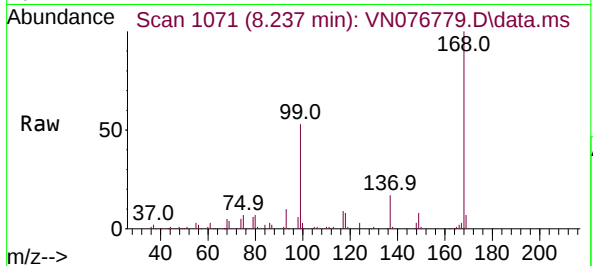




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.237 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VN076779.D
Acq: 22 Feb 2023 18:28

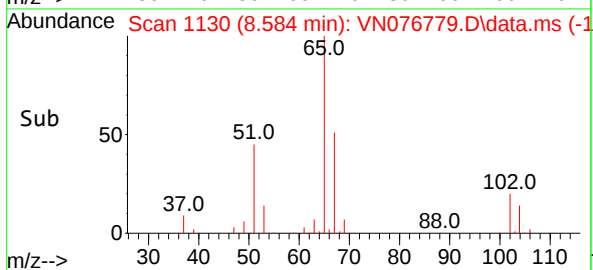
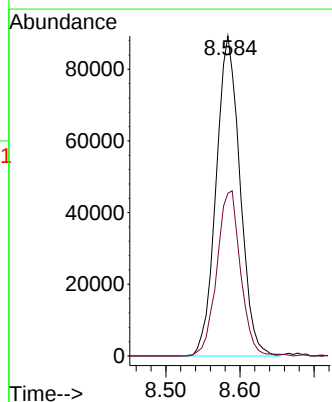
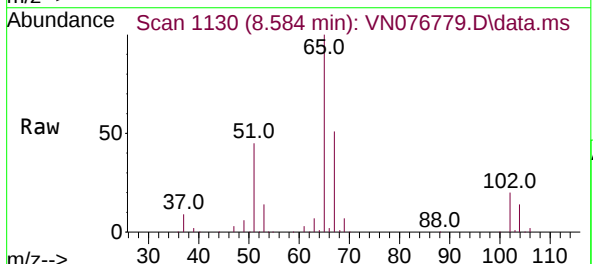
Instrument :
MSVOA_N
ClientSampleId :
TB-2023-2-15

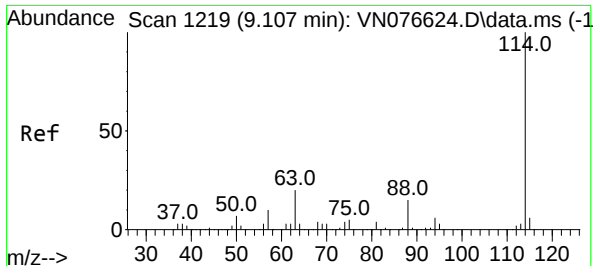
Tgt Ion:168 Resp: 271158
Ion Ratio Lower Upper
168 100
99 52.8 44.8 67.2



#33
1,2-Dichloroethane-d4
Concen: 53.347 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076779.D
Acq: 22 Feb 2023 18:28

Tgt Ion: 65 Resp: 199748
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076779.D

Acq: 22 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

TB-2023-2-15

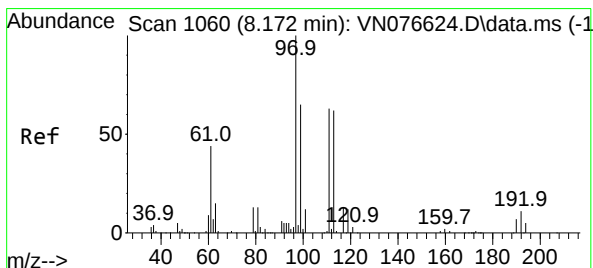
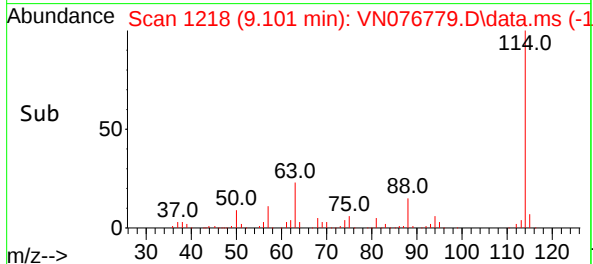
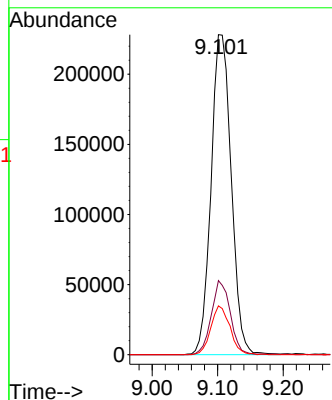
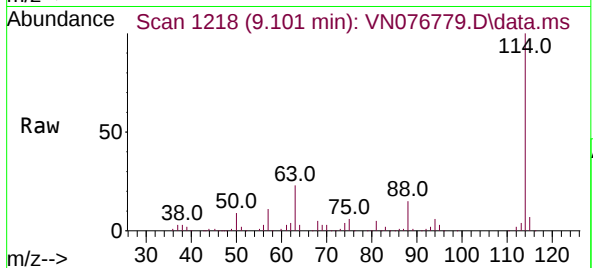
Tgt Ion:114 Resp: 487884

Ion Ratio Lower Upper

114 100

63 23.2 0.0 40.0

88 15.3 0.0 29.6



#35

Dibromofluoromethane

Concen: 48.059 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076779.D

Acq: 22 Feb 2023 18:28

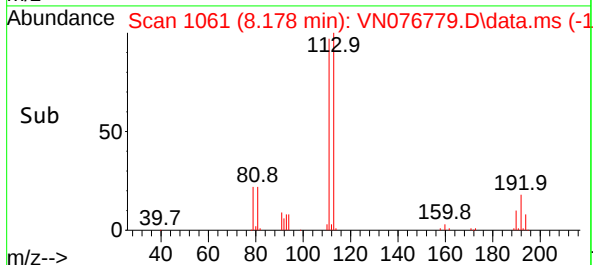
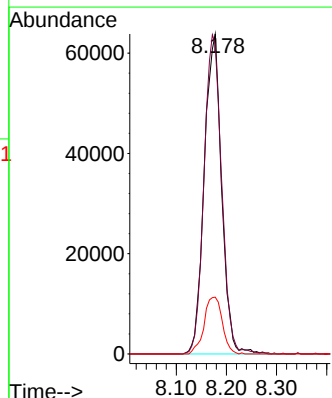
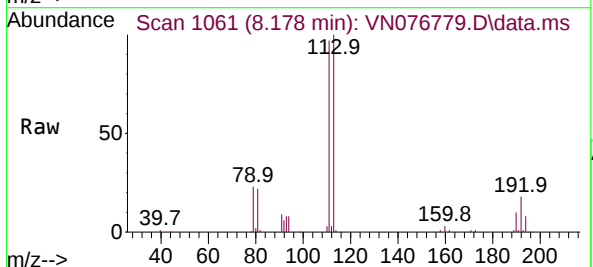
Tgt Ion:113 Resp: 153551

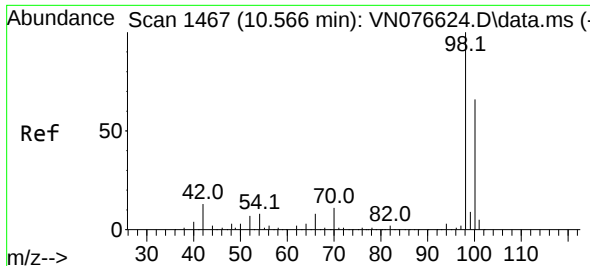
Ion Ratio Lower Upper

113 100

111 101.3 83.1 124.7

192 18.7 15.6 23.4

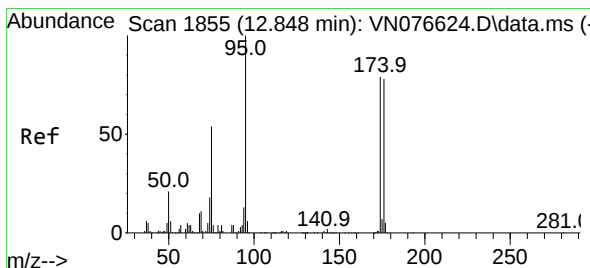
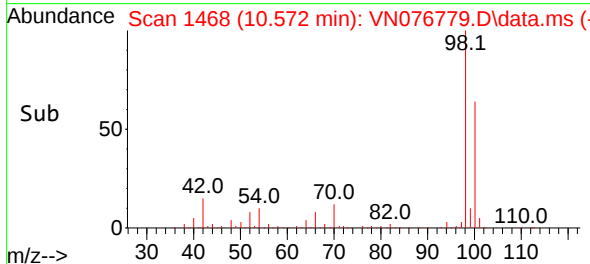
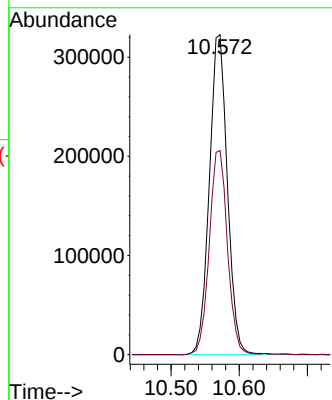
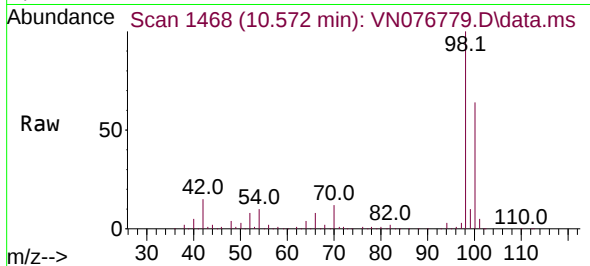




#50
Toluene-d8
Concen: 49.880 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076779.D
Acq: 22 Feb 2023 18:28

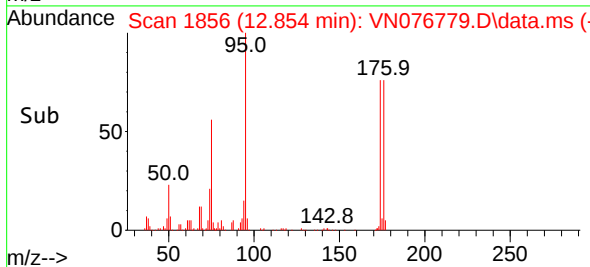
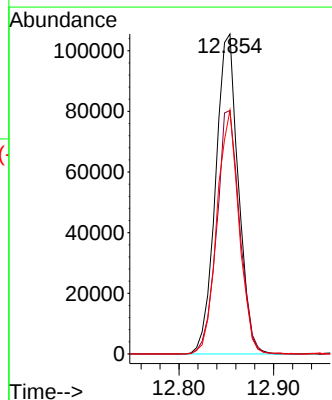
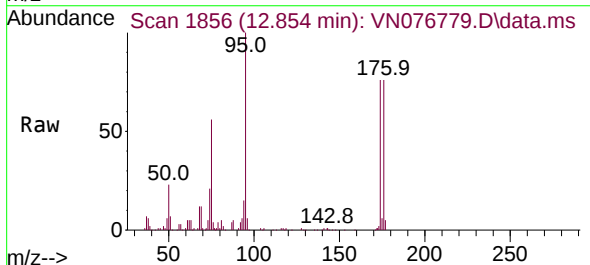
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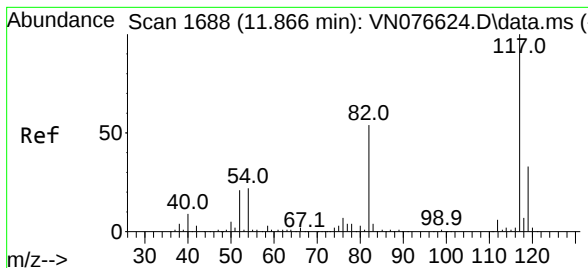
Tgt Ion: 98 Resp: 595174
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.545 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076779.D
Acq: 22 Feb 2023 18:28

Tgt Ion: 95 Resp: 176042
Ion Ratio Lower Upper
95 100
174 76.7 0.0 169.2
176 74.0 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076779.D

Acq: 22 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

TB-2023-2-15

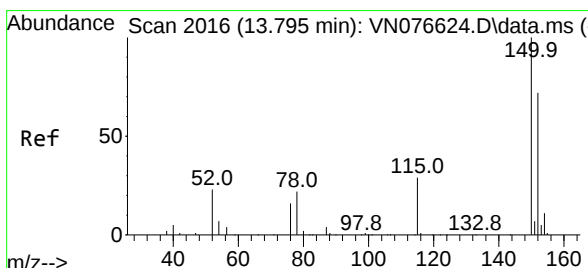
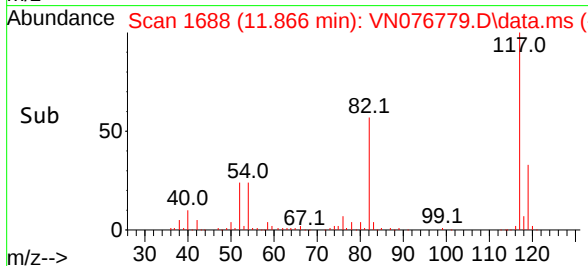
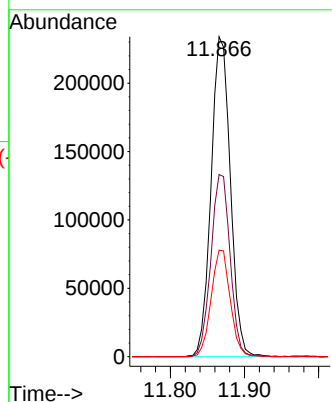
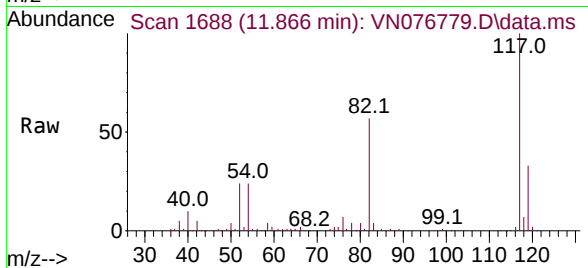
Tgt Ion:117 Resp: 422116

Ion Ratio Lower Upper

117 100

82 56.9 43.4 65.2

119 33.3 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: VN076779.D

Acq: 22 Feb 2023 18:28

Tgt Ion:152 Resp: 164296

Ion Ratio Lower Upper

152 100

115 59.8 29.3 87.9

150 159.1 0.0 349.8

