

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061724\
 Data File : VN082613.D
 Acq On : 17 Jun 2024 16:59
 Operator : JC\MD
 Sample : P2894-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Jun 18 05:00:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	130478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	240367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	233610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95845	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117681	56.242	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.480%
35) Dibromofluoromethane	8.171	113	83937	51.475	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.960%
50) Toluene-d8	10.571	98	309958	50.265	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.540%
62) 4-Bromofluorobenzene	12.853	95	101389	47.691	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	95.380%

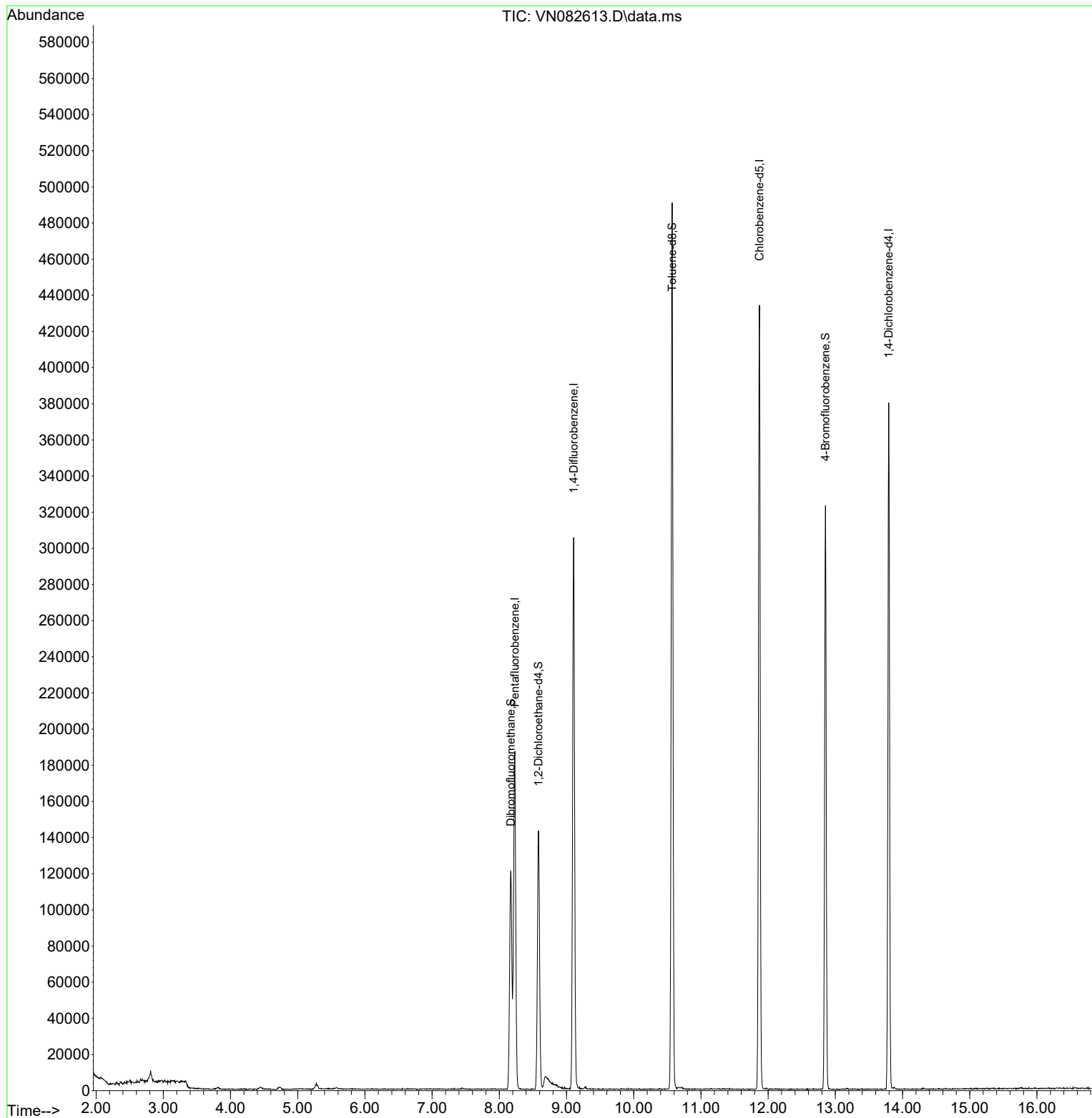
Target Compounds	Qvalue

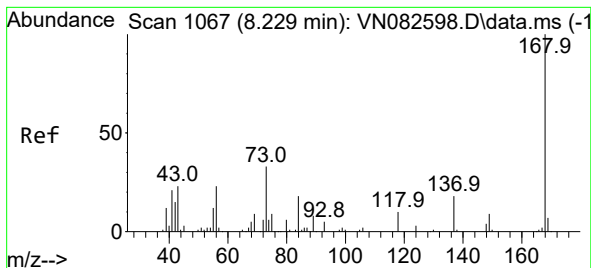
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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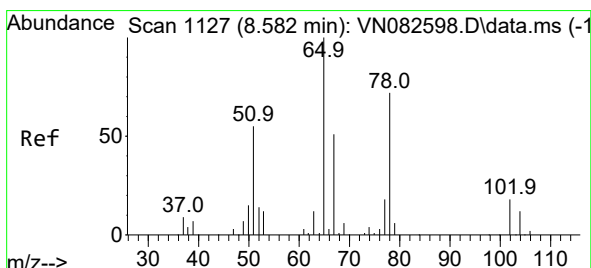
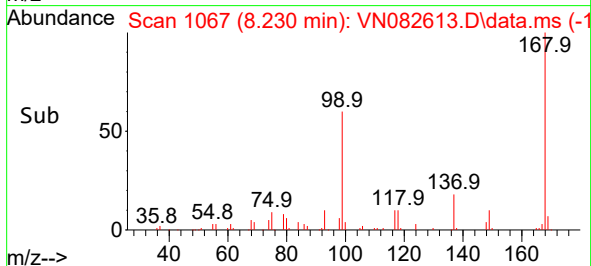
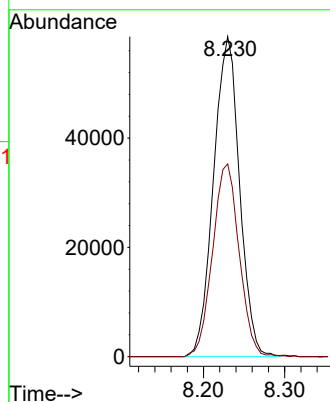
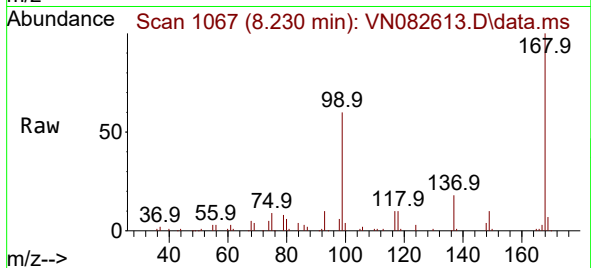




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082613.D
Acq: 17 Jun 2024 16:59

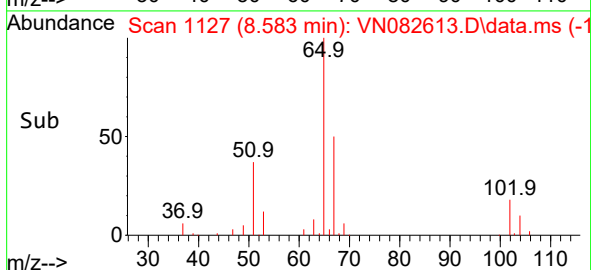
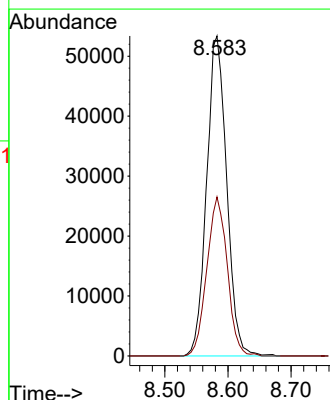
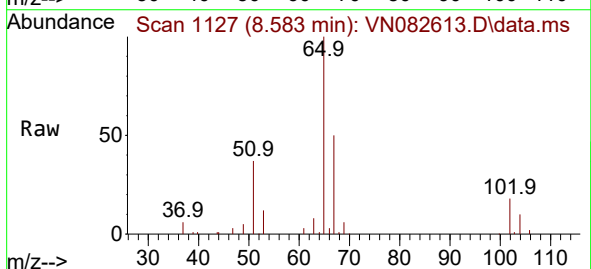
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

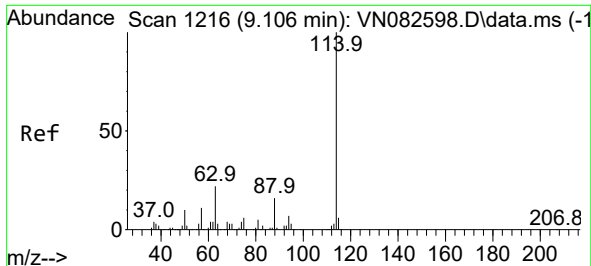
Tgt Ion:168 Resp: 130478
Ion Ratio Lower Upper
168 100
99 60.3 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 56.242 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082613.D
Acq: 17 Jun 2024 16:59

Tgt Ion: 65 Resp: 117681
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082613.D

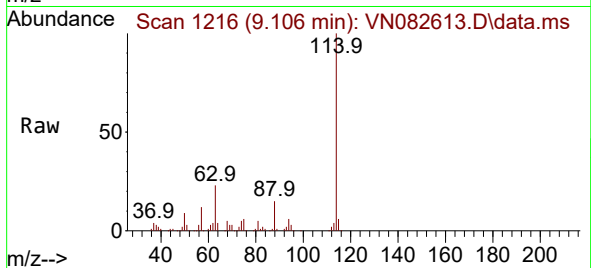
Acq: 17 Jun 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT



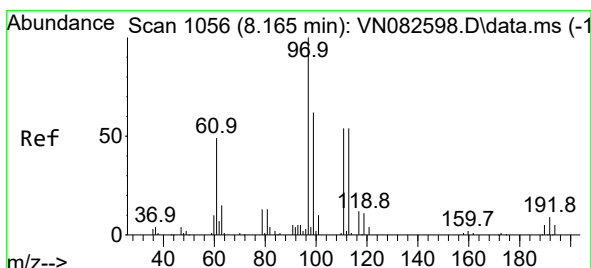
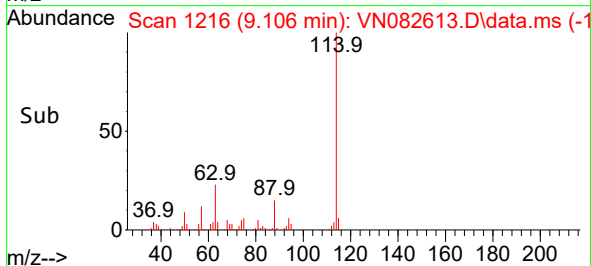
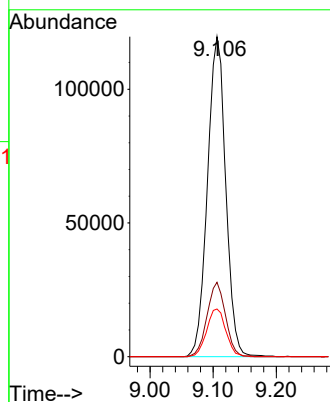
Tgt Ion:114 Resp: 240367

Ion	Ratio	Lower	Upper
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114	100		
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63	23.3	0.0	44.6
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88	14.9	0.0	31.4
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#35

Dibromofluoromethane

Concen: 51.475 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082613.D

Acq: 17 Jun 2024 16:59

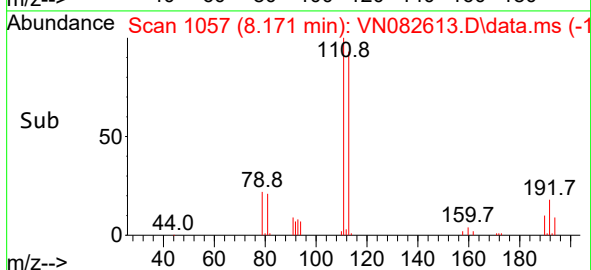
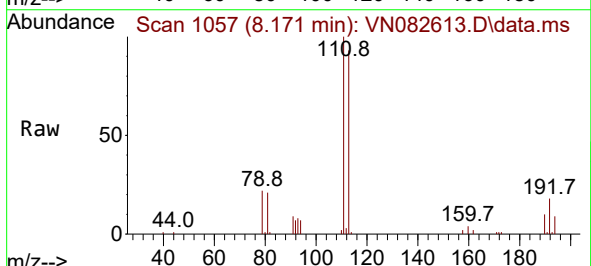
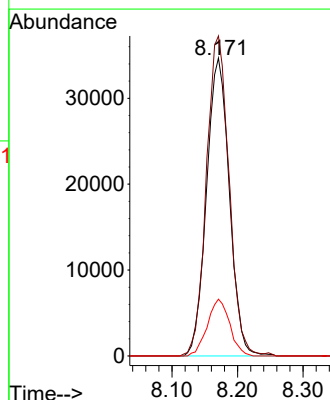
Tgt Ion:113 Resp: 83937

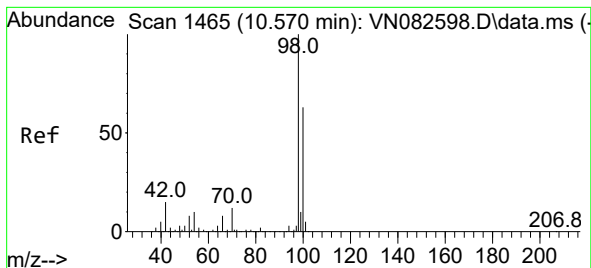
Ion	Ratio	Lower	Upper
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113	100		
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111	106.7	82.4	123.6
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192	18.6	14.9	22.3
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#50

Toluene-d8

Concen: 50.265 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082613.D

Acq: 17 Jun 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

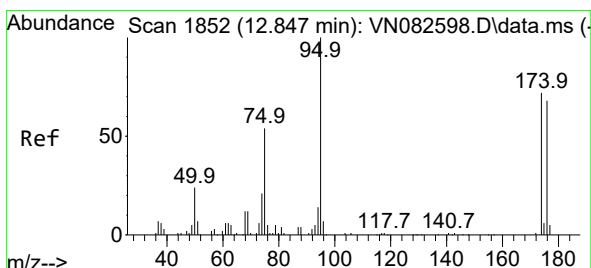
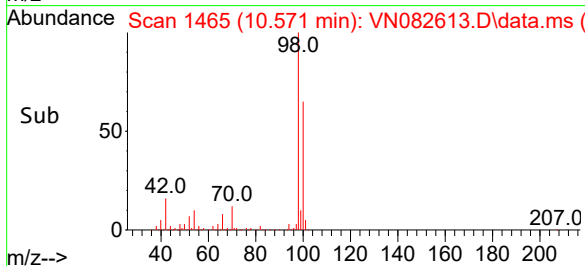
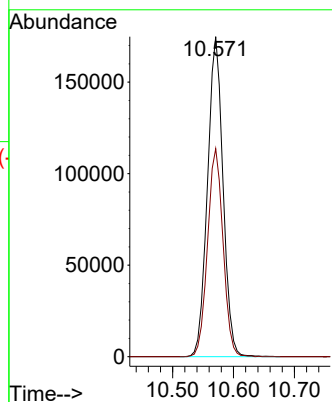
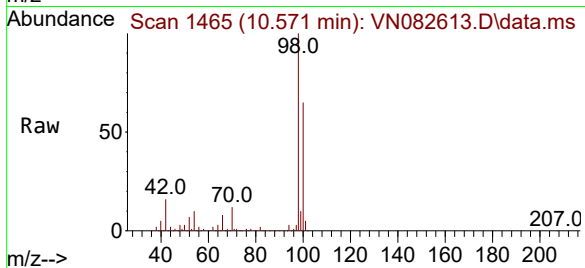
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion: 98 Resp: 309958

Ion Ratio Lower Upper

98 100

100 64.8 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 47.691 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082613.D

Acq: 17 Jun 2024 16:59

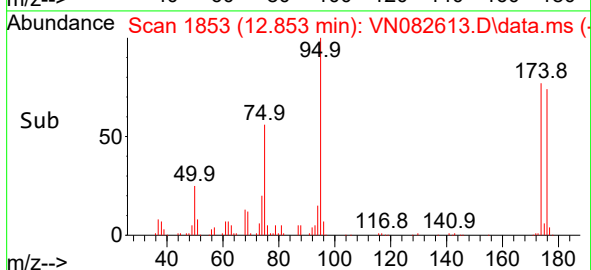
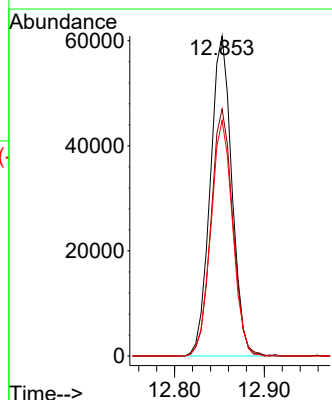
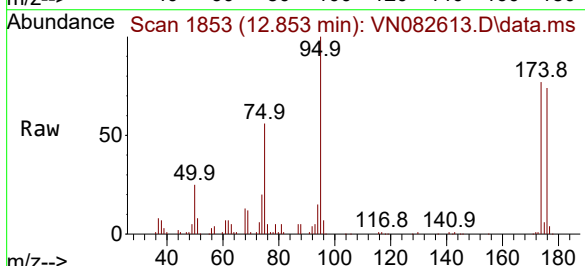
Tgt Ion: 95 Resp: 101389

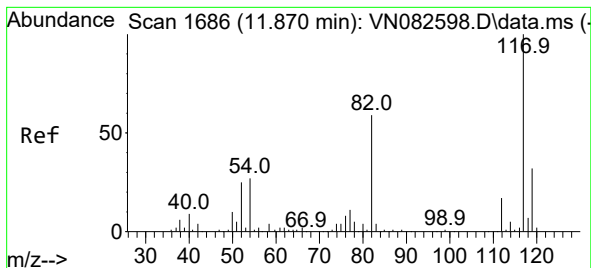
Ion Ratio Lower Upper

95 100

174 78.3 0.0 159.2

176 74.5 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082613.D

Acq: 17 Jun 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

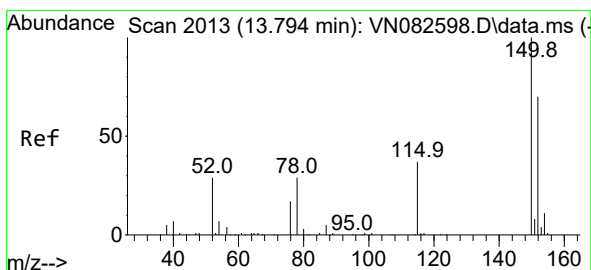
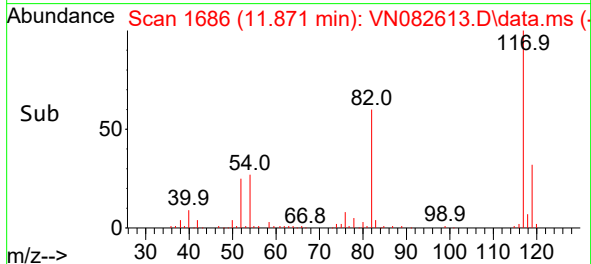
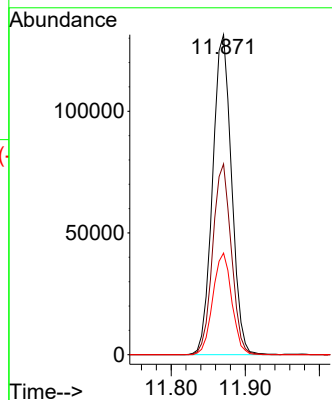
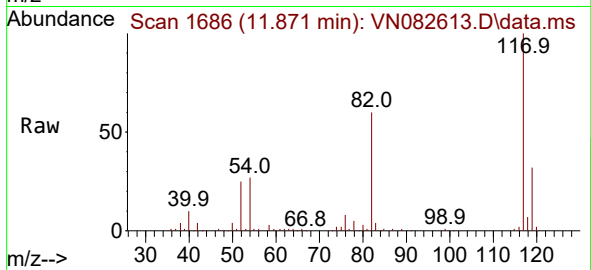
Tgt Ion:117 Resp: 233610

Ion Ratio Lower Upper

117 100

82 59.6 47.5 71.3

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082613.D

Acq: 17 Jun 2024 16:59

Tgt Ion:152 Resp: 95845

Ion Ratio Lower Upper

152 100

115 59.8 30.6 91.6

150 156.2 0.0 348.6

