

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
 Data File : VN082661.D
 Acq On : 20 Jun 2024 12:20
 Operator : JC\MD
 Sample : P2978-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-061924

Quant Time: Jun 21 02:04:15 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	8.224	168	134316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	244243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	239582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	98106	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	119950	55.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.380%
35) Dibromofluoromethane	8.171	113	89111	53.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.560%
50) Toluene-d8	10.571	98	320771	51.193	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.380%
62) 4-Bromofluorobenzene	12.853	95	102569	47.480	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	94.960%

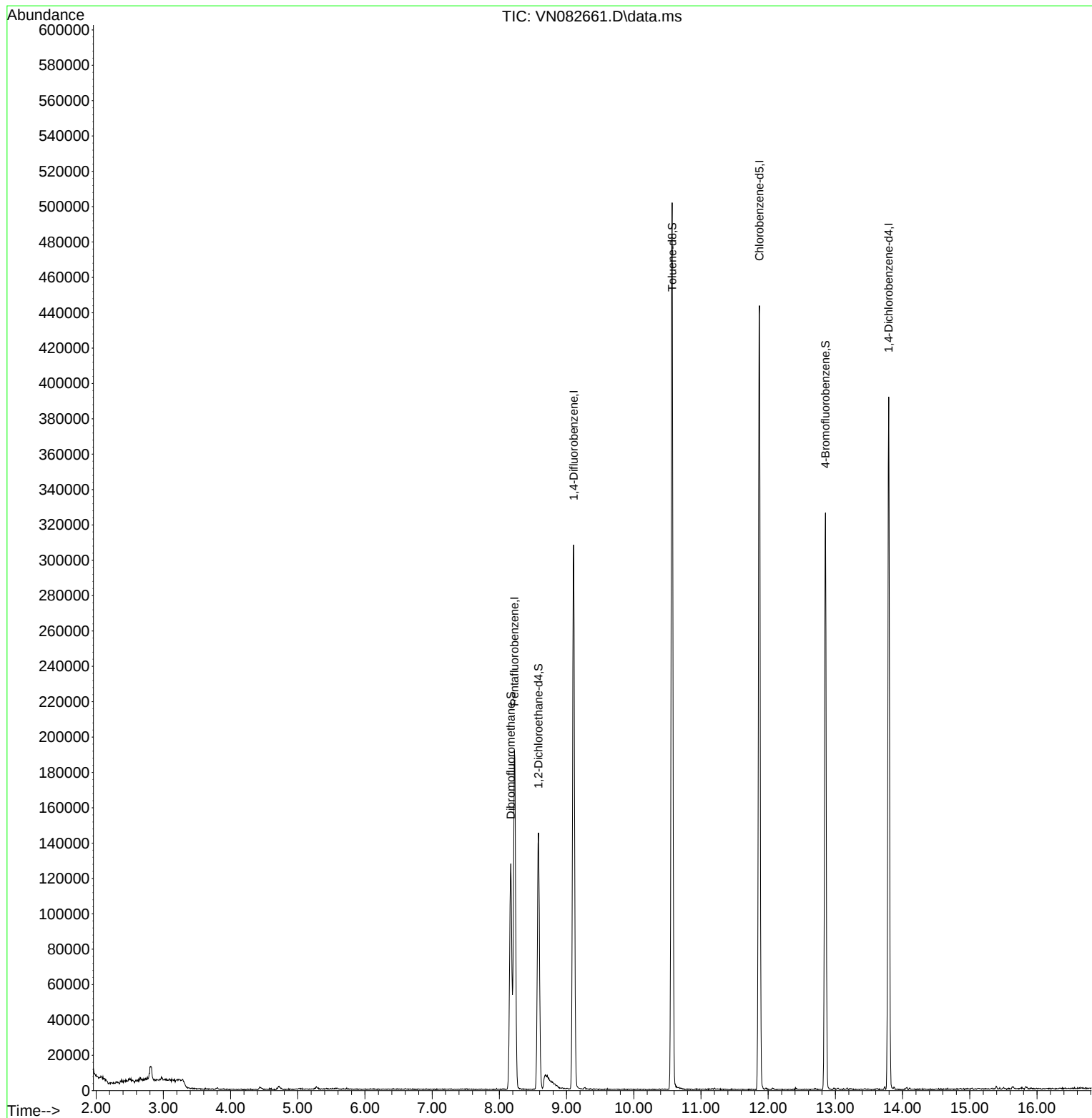
Target Compounds	Qvalue

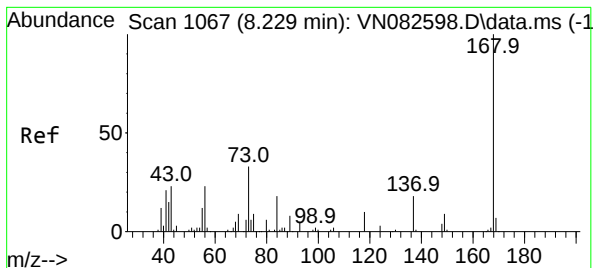
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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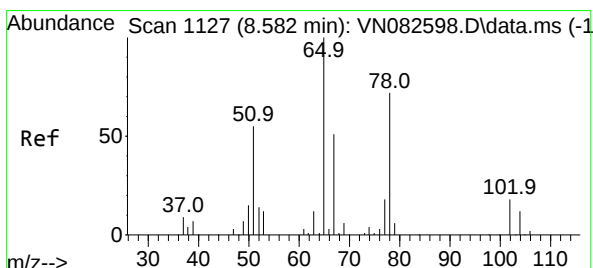
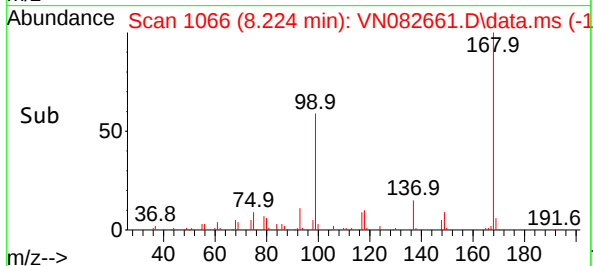
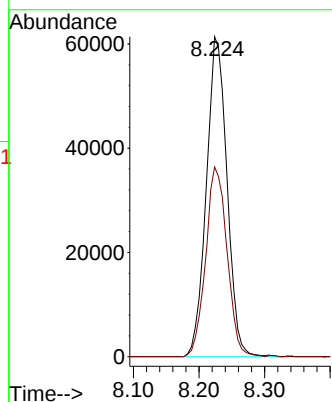
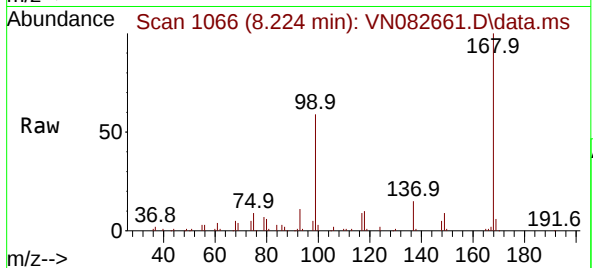




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

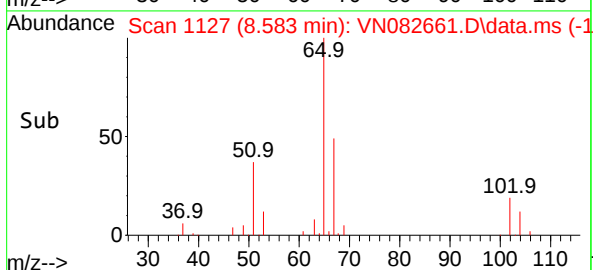
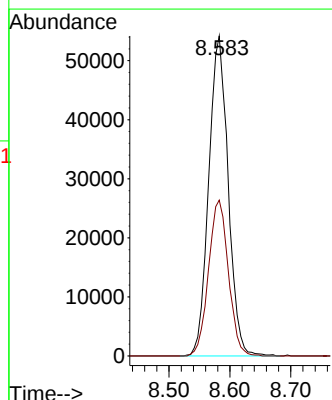
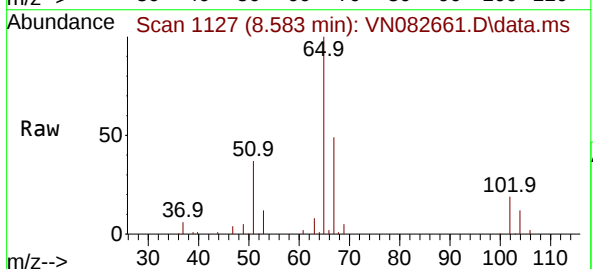
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061924

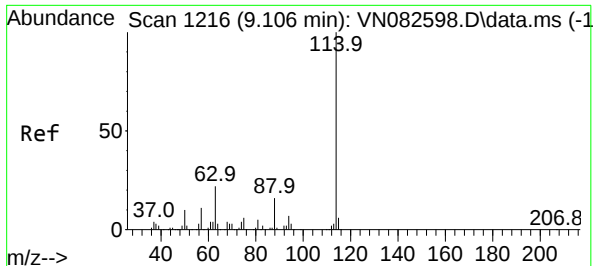
Tgt Ion:168 Resp: 134316
Ion Ratio Lower Upper
168 100
99 59.3 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 55.689 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Tgt Ion: 65 Resp: 119950
Ion Ratio Lower Upper
65 100
67 49.9 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: VN082661.D

Acq: 20 Jun 2024 12:20

Instrument :

MSVOA_N

ClientSampleId :

TB-01-061924

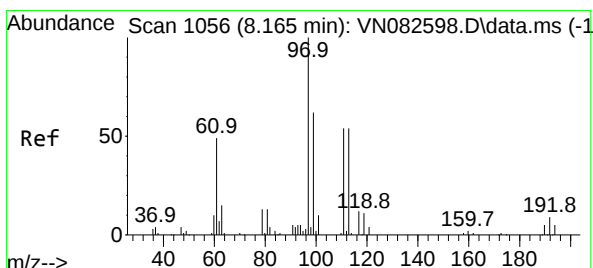
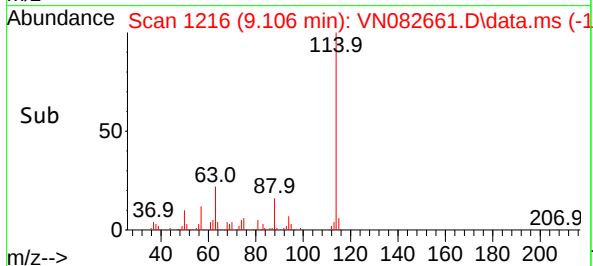
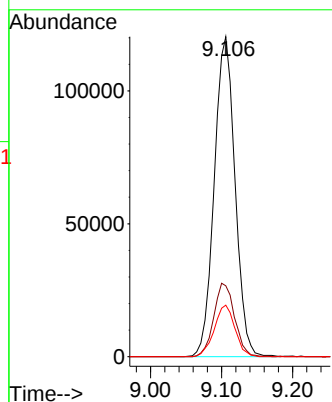
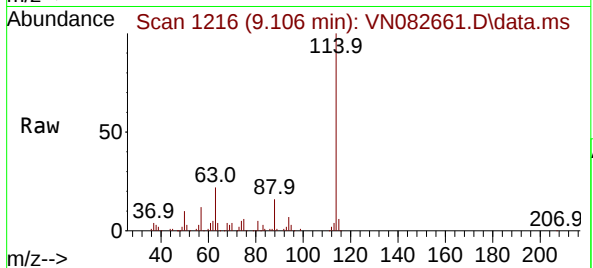
Tgt Ion:114 Resp: 244243

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 16.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.781 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082661.D

Acq: 20 Jun 2024 12:20

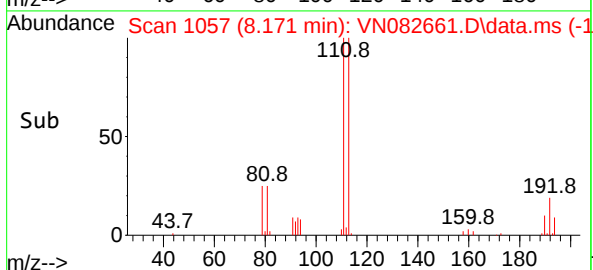
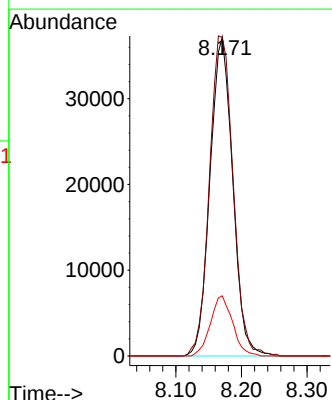
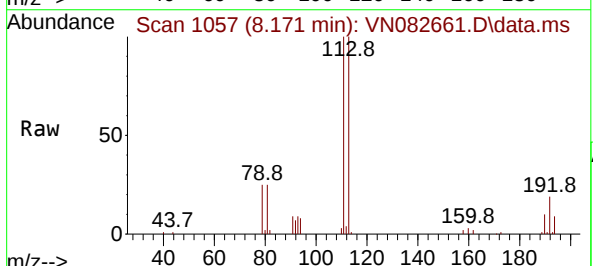
Tgt Ion:113 Resp: 89111

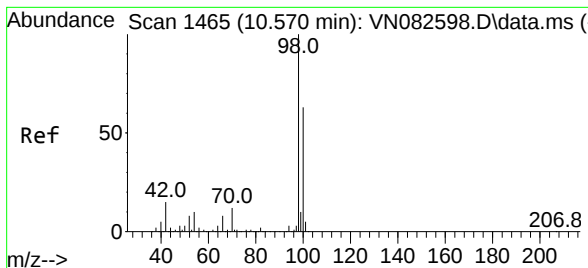
Ion Ratio Lower Upper

113 100

111 104.6 82.4 123.6

192 18.5 14.9 22.3

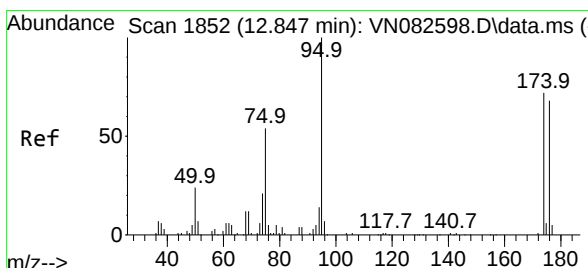
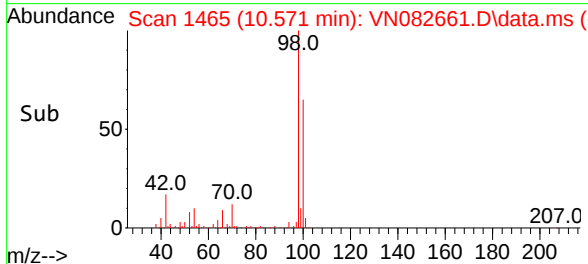
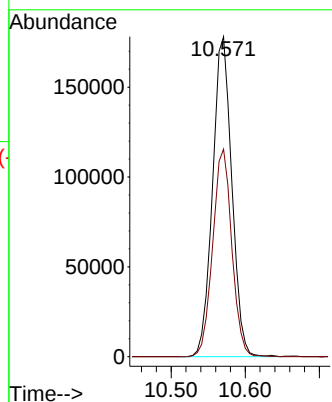
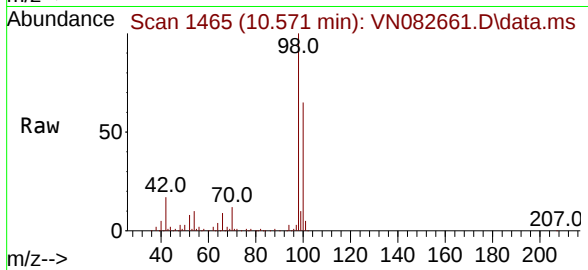




#50
Toluene-d8
Concen: 51.193 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

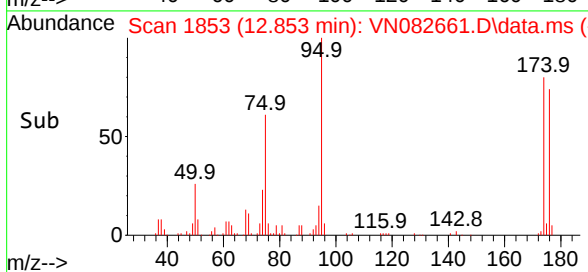
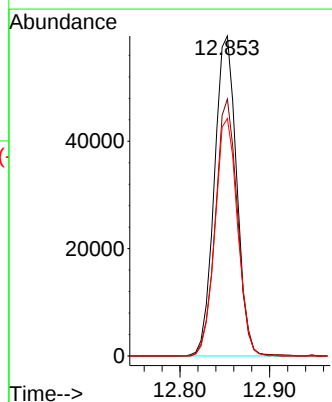
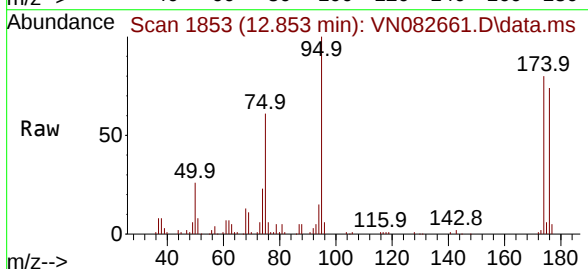
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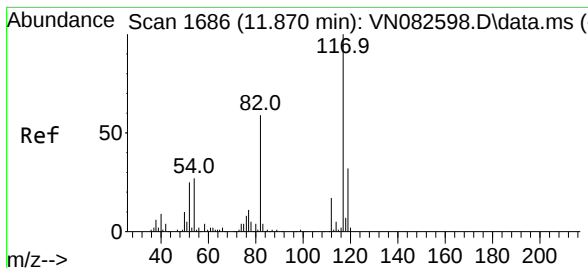
Tgt Ion: 98 Resp: 320771
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.480 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Tgt Ion: 95 Resp: 102569
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 75.2 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: VN082661.D

Acq: 20 Jun 2024 12:20

Instrument :

MSVOA_N

ClientSampleId :

TB-01-061924

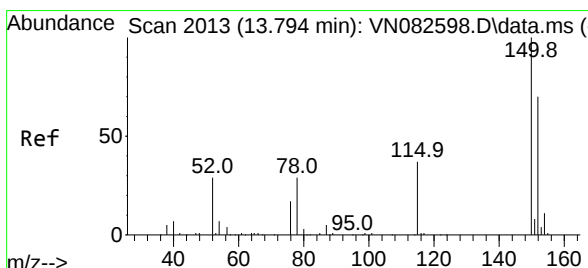
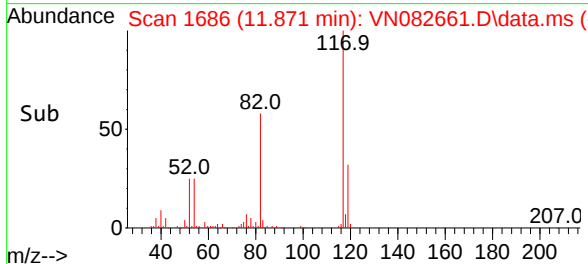
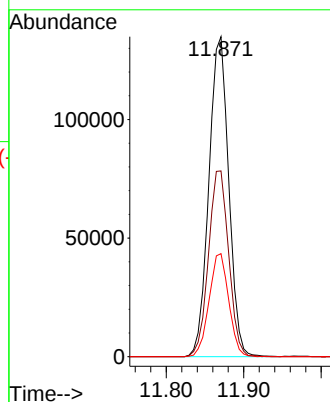
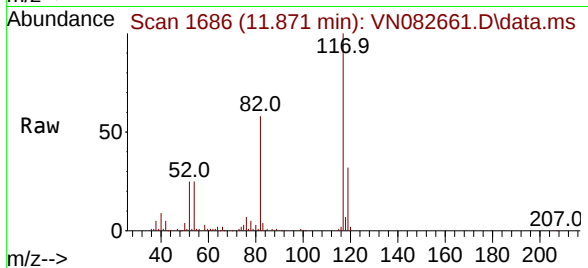
Tgt Ion:117 Resp: 239582

Ion Ratio Lower Upper

117 100

82 58.0 47.5 71.3

119 32.2 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: VN082661.D

Acq: 20 Jun 2024 12:20

Tgt Ion:152 Resp: 98106

Ion Ratio Lower Upper

152 100

115 59.9 30.6 91.6

150 157.2 0.0 348.6

