

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082272.D
 Acq On : 22 May 2024 04:45
 Operator : JC\MD
 Sample : P2494-12 40X
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 12

Quant Time: May 22 07:40:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

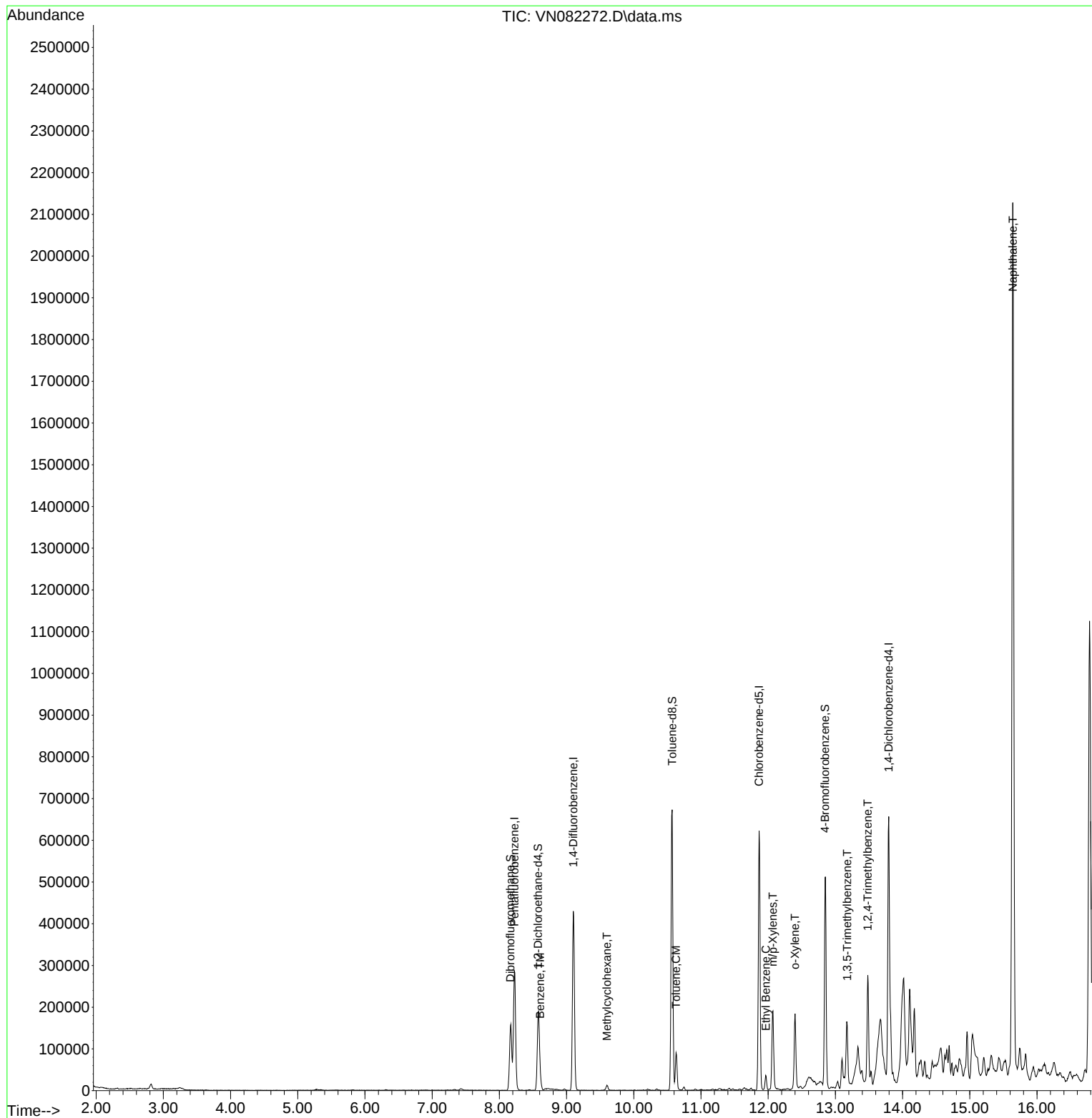
Internal Standards						
1) Pentafluorobenzene	8.224	168	200939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	344733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156139	49.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.420%
35) Dibromofluoromethane	8.165	113	107795	50.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.660%
50) Toluene-d8	10.571	98	438440	53.926	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.860%
62) 4-Bromofluorobenzene	12.847	95	167180	57.610	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	115.220%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.600	83	4718	1.210	ug/l	93
40) Benzene	8.606	78	20433	1.927	ug/l	91
52) Toluene	10.629	92	36532	5.740	ug/l	99
67) Ethyl Benzene	11.965	91	22830	1.751	ug/l	99
68) m/p-Xylenes	12.070	106	51726	10.826	ug/l	87
69) o-Xylene	12.400	106	44475	9.610	ug/l	90
80) 1,3,5-Trimethylbenzene	13.176	105	70591	7.103	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	144853	14.246	ug/l	96
95) Naphthalene	15.641	128	1834890	207.941	ug/l	99

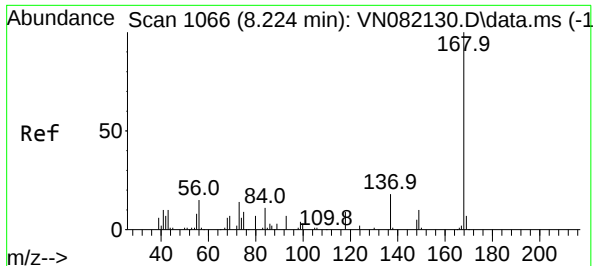
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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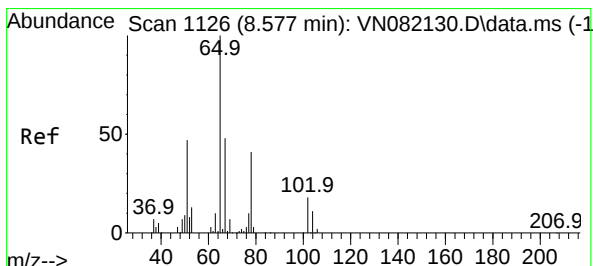
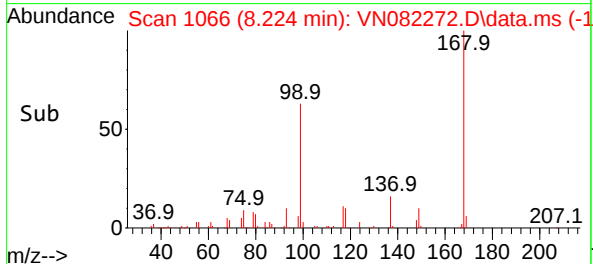
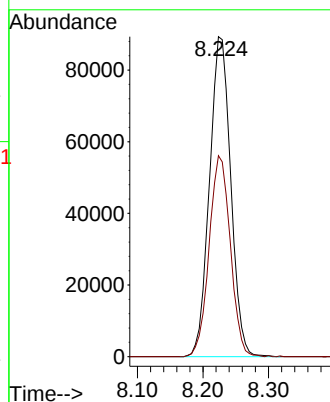
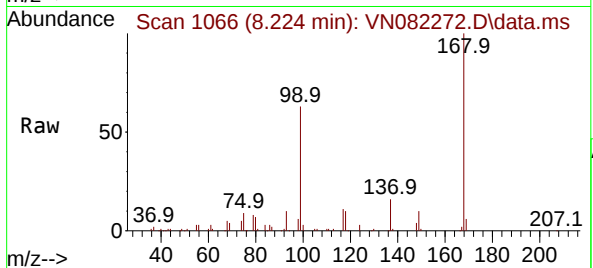




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

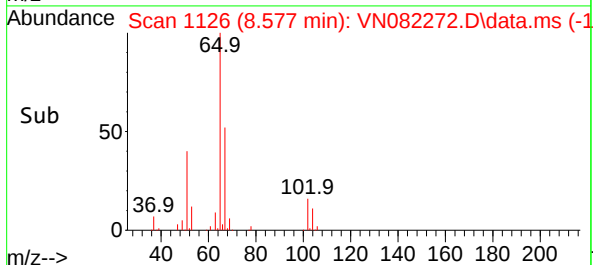
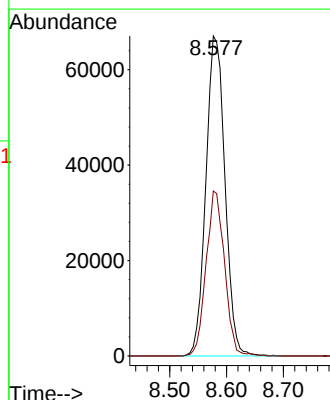
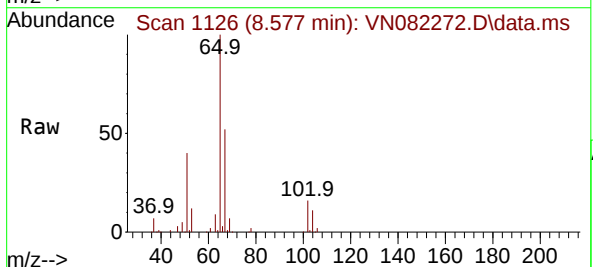
Instrument :
MSVOA_N
ClientSampleId :
12

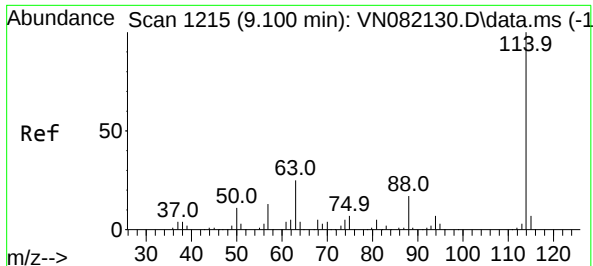
Tgt Ion:168 Resp: 200939
Ion Ratio Lower Upper
168 100
99 62.8 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 49.211 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

Tgt Ion: 65 Resp: 156139
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082272.D

Acq: 22 May 2024 04:45

Instrument :

MSVOA_N

ClientSampleId :

12

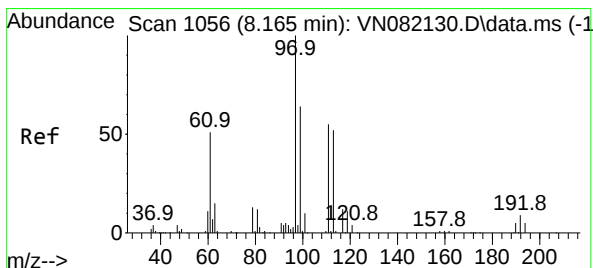
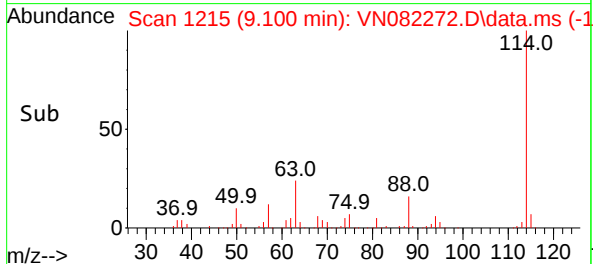
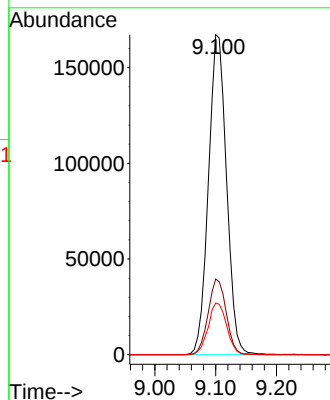
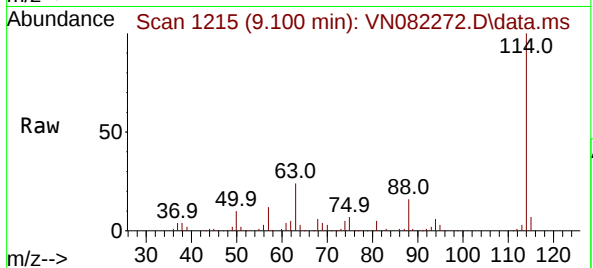
Tgt Ion:114 Resp: 344733

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.0

88 16.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.831 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082272.D

Acq: 22 May 2024 04:45

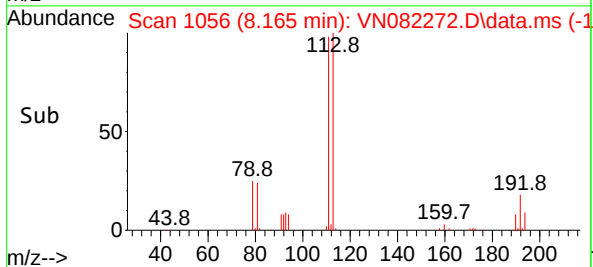
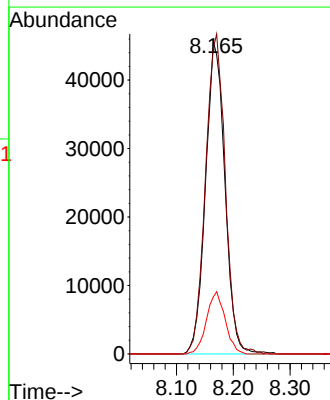
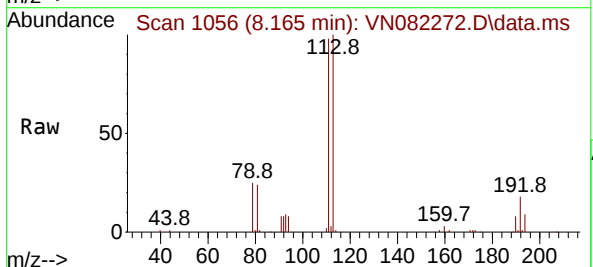
Tgt Ion:113 Resp: 107795

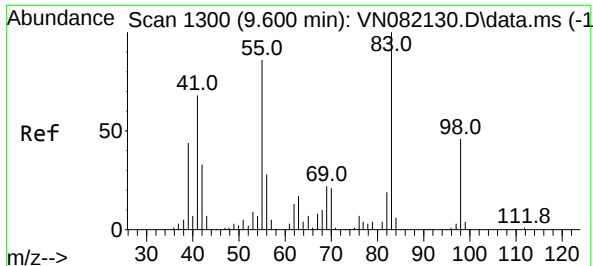
Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.2

192 19.2 14.0 21.0





#39

Methylcyclohexane

Concen: 1.210 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN082272.D

Acq: 22 May 2024 04:45

Instrument :

MSVOA_N

ClientSampleId :

12

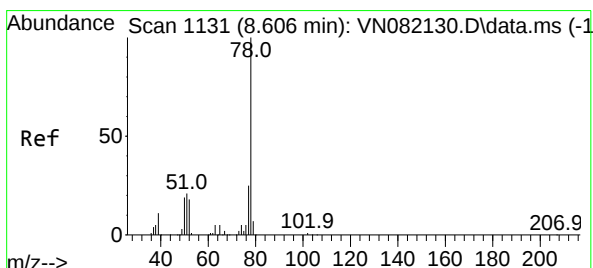
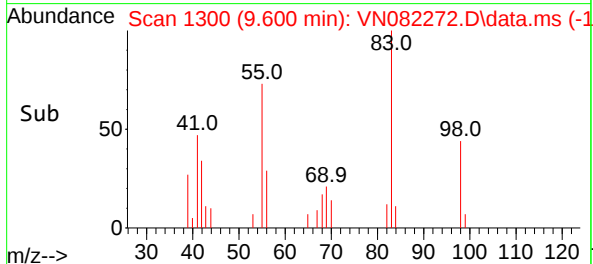
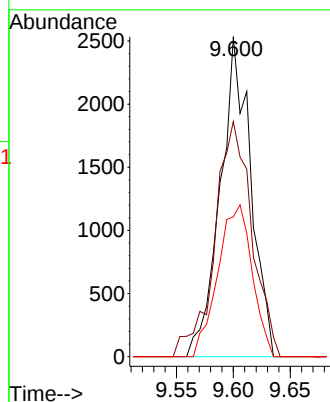
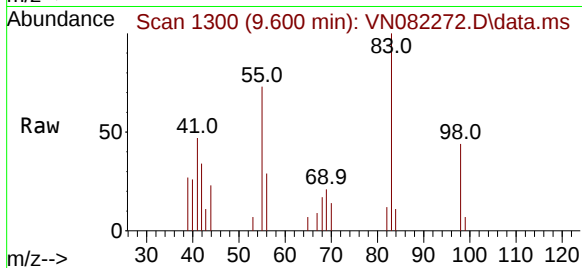
Tgt Ion: 83 Resp: 4718

Ion Ratio Lower Upper

83 100

55 73.5 53.0 79.6

98 43.7 37.1 55.7



#40

Benzene

Concen: 1.927 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN082272.D

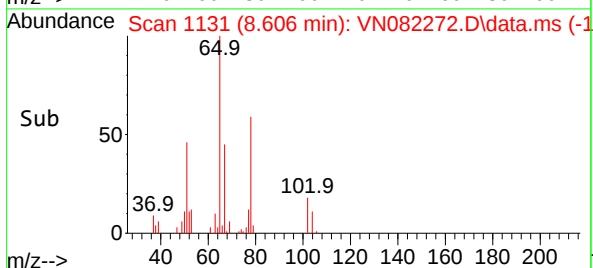
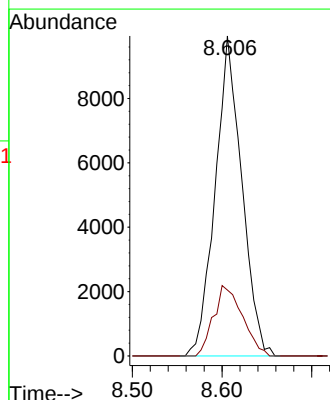
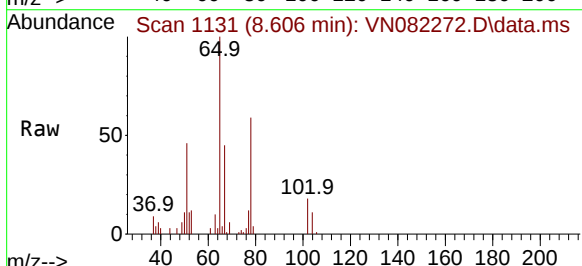
Acq: 22 May 2024 04:45

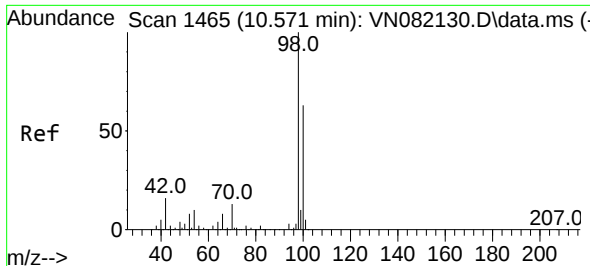
Tgt Ion: 78 Resp: 20433

Ion Ratio Lower Upper

78 100

77 20.6 20.0 30.0

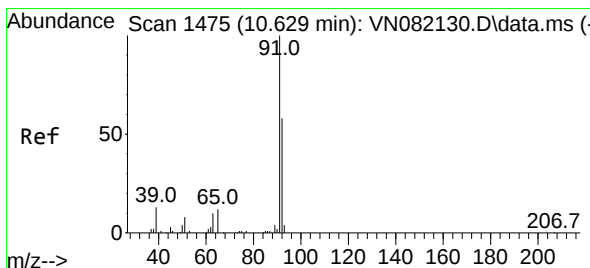
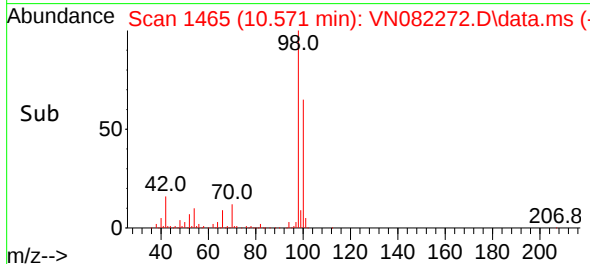
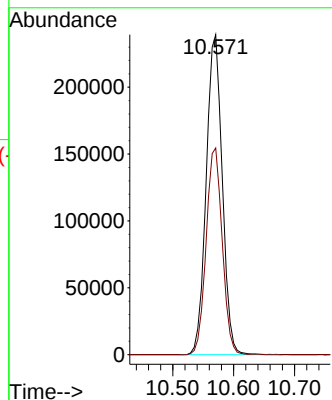
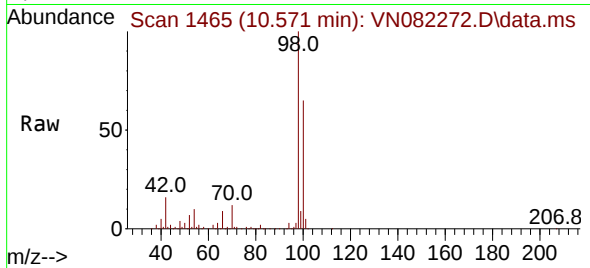




#50
Toluene-d8
Concen: 53.926 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

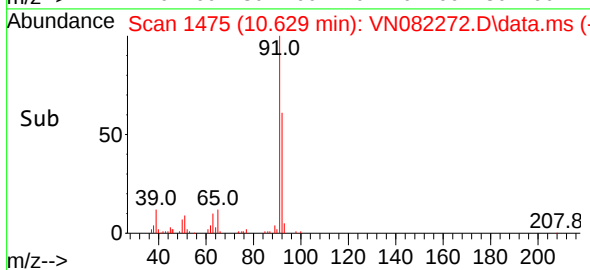
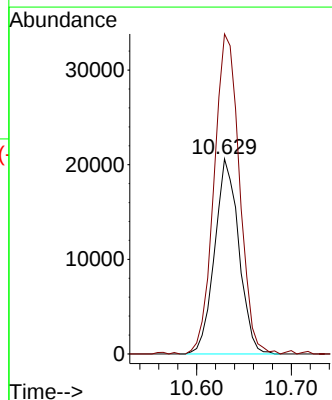
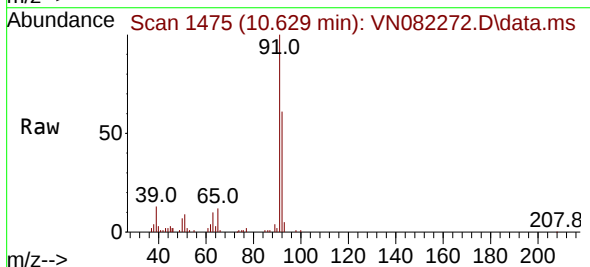
Instrument :
MSVOA_N
ClientSampleId :
12

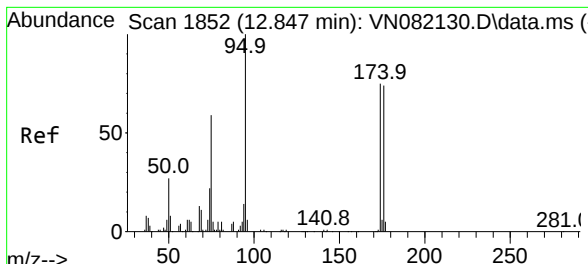
Tgt Ion: 98 Resp: 438440
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#52
Toluene
Concen: 5.740 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

Tgt Ion: 92 Resp: 36532
Ion Ratio Lower Upper
92 100
91 172.2 136.7 205.1

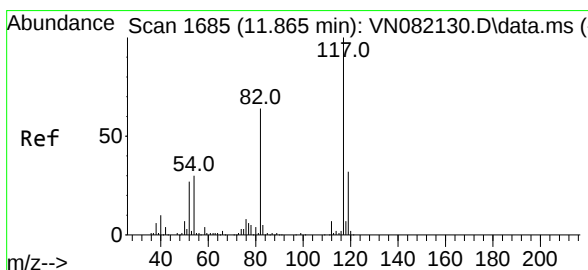
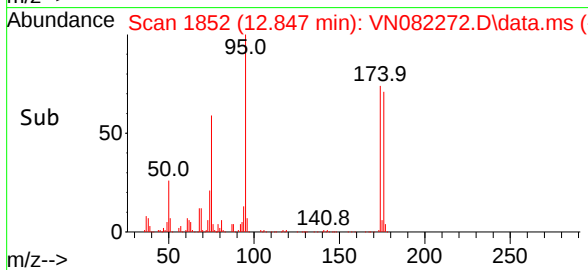
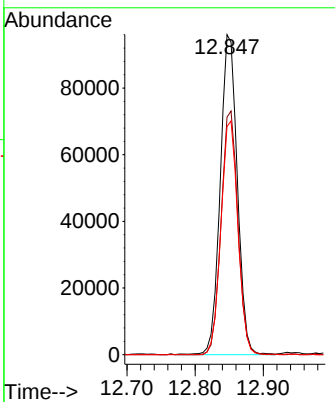
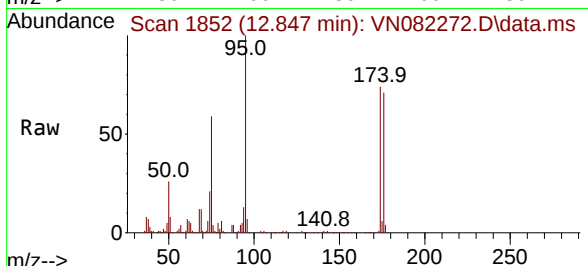




#62
 4-Bromofluorobenzene
 Concen: 57.610 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN082272.D
 Acq: 22 May 2024 04:45

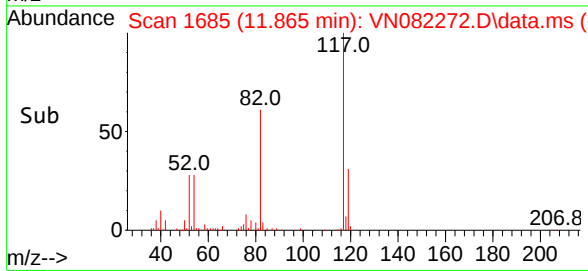
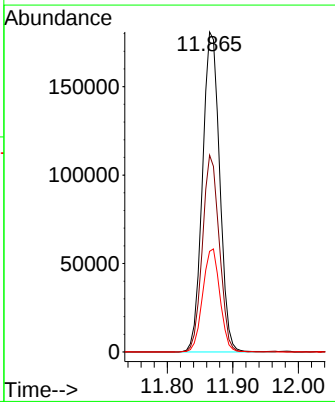
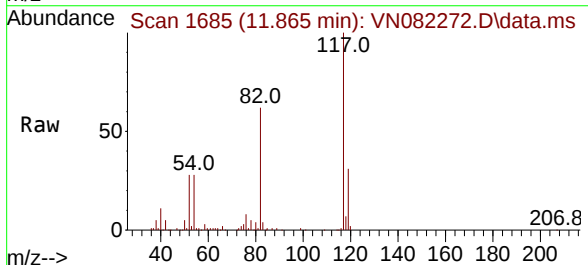
Instrument :
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 ClientSampleId :
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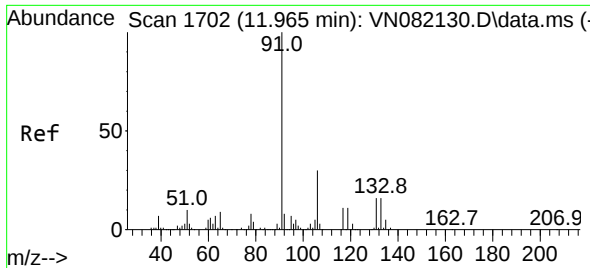
Tgt Ion:	95	Resp:	167180
Ion Ratio	Lower	Upper	
95	100		
174	74.8	0.0	160.6
176	72.4	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN082272.D
 Acq: 22 May 2024 04:45

Tgt Ion:	117	Resp:	329881
Ion Ratio	Lower	Upper	
117	100		
82	61.5	44.6	66.8
119	31.5	25.9	38.9

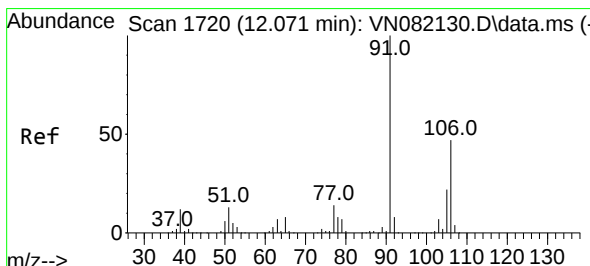
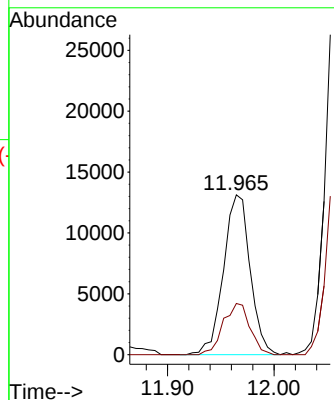
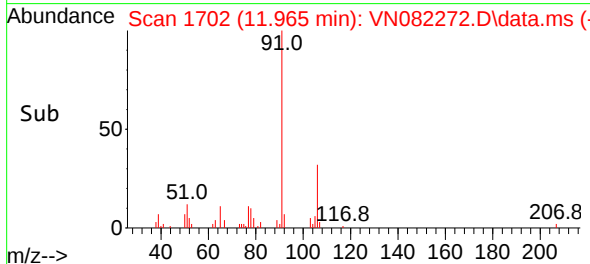
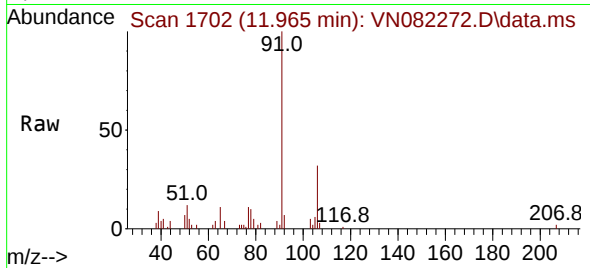




#67
Ethyl Benzene
Concen: 1.751 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

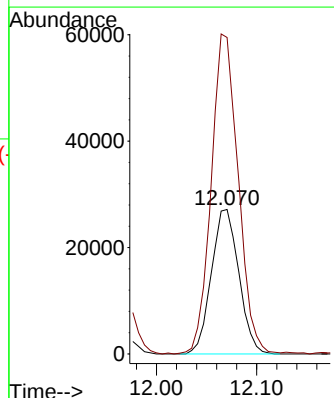
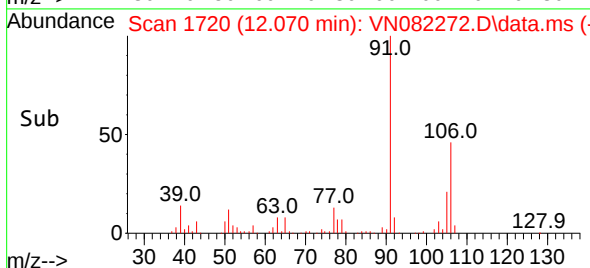
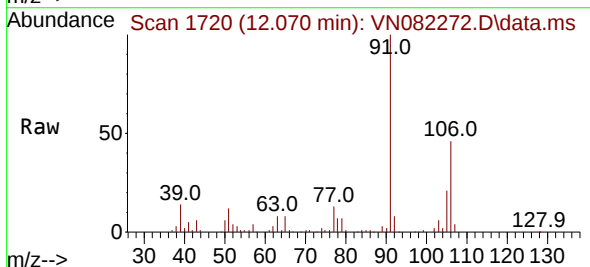
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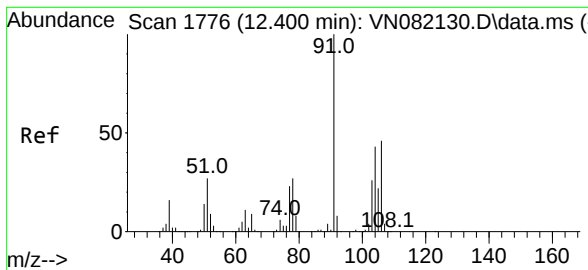
Tgt Ion: 91 Resp: 22830
Ion Ratio Lower Upper
91 100
106 32.0 25.3 37.9



#68
m/p-Xylenes
Concen: 10.826 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

Tgt Ion: 106 Resp: 51726
Ion Ratio Lower Upper
106 100
91 218.5 159.4 239.0

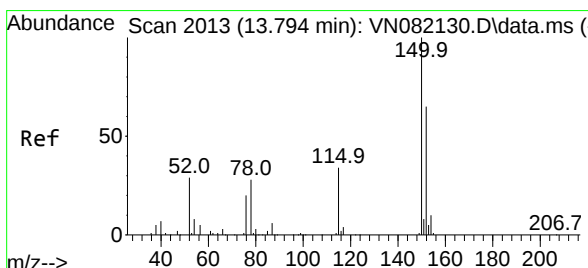
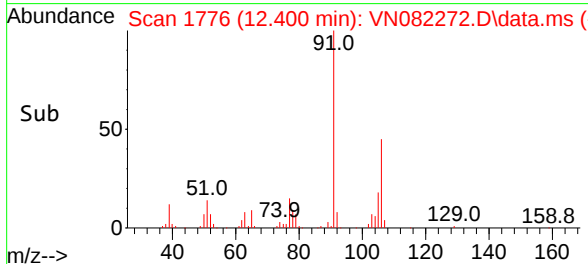
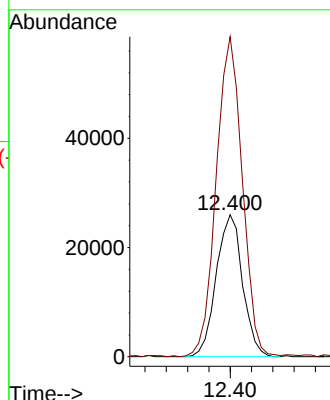
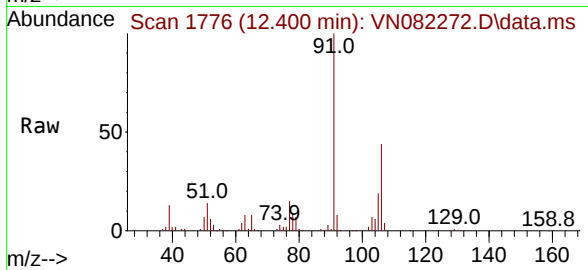




#69
o-Xylene
Concen: 9.610 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

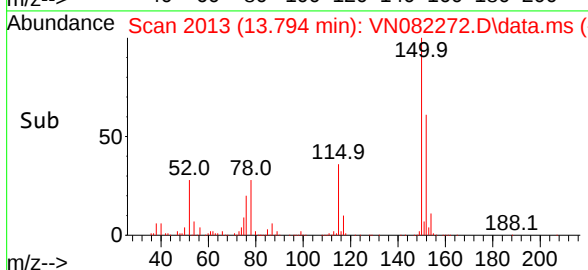
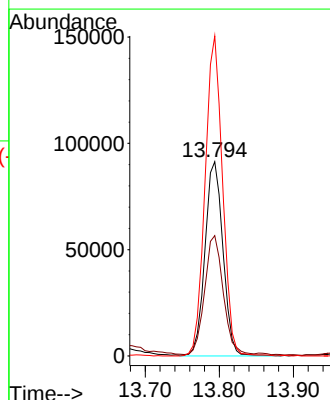
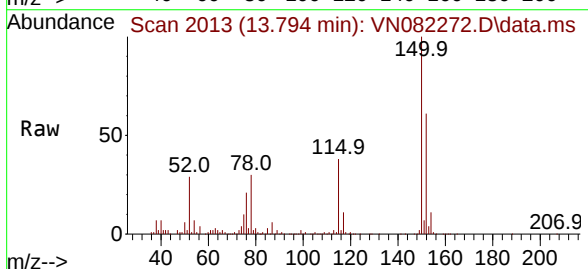
Instrument :
MSVOA_N
ClientSampleId :
12

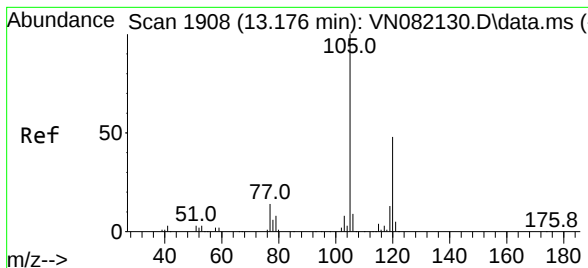
Tgt Ion:106 Resp: 44475
Ion Ratio Lower Upper
106 100
91 224.3 104.7 314.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

Tgt Ion:152 Resp: 154717
Ion Ratio Lower Upper
152 100
115 62.8 30.4 91.3
150 159.5 0.0 353.2





#80

1,3,5-Trimethylbenzene

Concen: 7.103 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN082272.D

Acq: 22 May 2024 04:45

Instrument :

MSVOA_N

ClientSampleId :

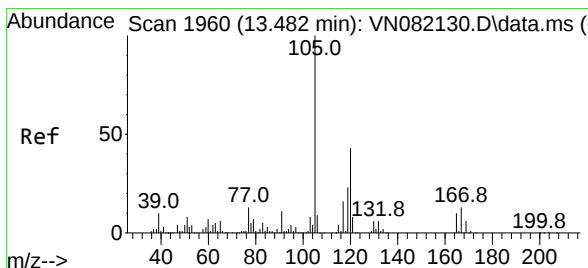
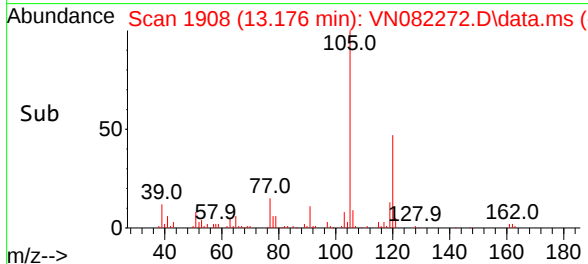
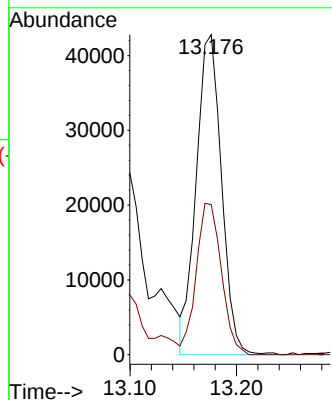
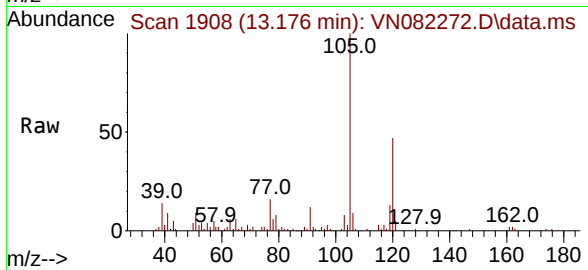
12

Tgt Ion:105 Resp: 70591

Ion Ratio Lower Upper

105 100

120 47.0 24.8 74.3



#84

1,2,4-Trimethylbenzene

Concen: 14.246 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN082272.D

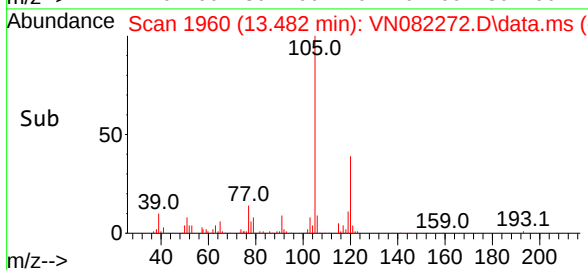
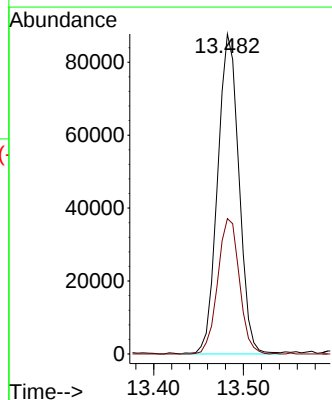
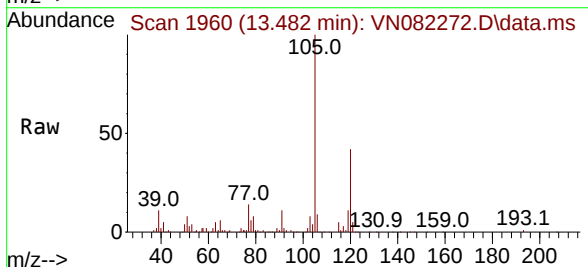
Acq: 22 May 2024 04:45

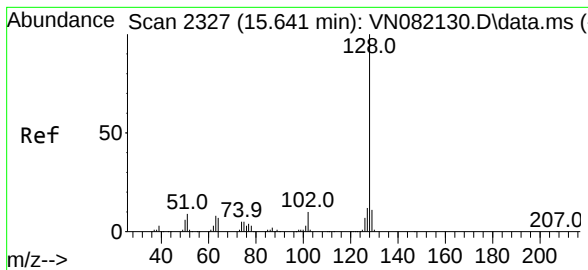
Tgt Ion:105 Resp: 144853

Ion Ratio Lower Upper

105 100

120 42.9 22.9 68.7





#95
Naphthalene
Concen: 207.941 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN082272.D
Acq: 22 May 2024 04:45

Instrument :
MSVOA_N
ClientSampleId :
12

Tgt Ion:128 Resp: 1834890
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 10.9 8.9 13.3

