

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082423\
 Data File : VN079039.D
 Acq On : 24 Aug 2023 18:18
 Operator : JC\MD
 Sample : 04075-01
 Misc : 6.52g/5.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NEVINS-SB05-Z113-114

Quant Time: Aug 25 02:57:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

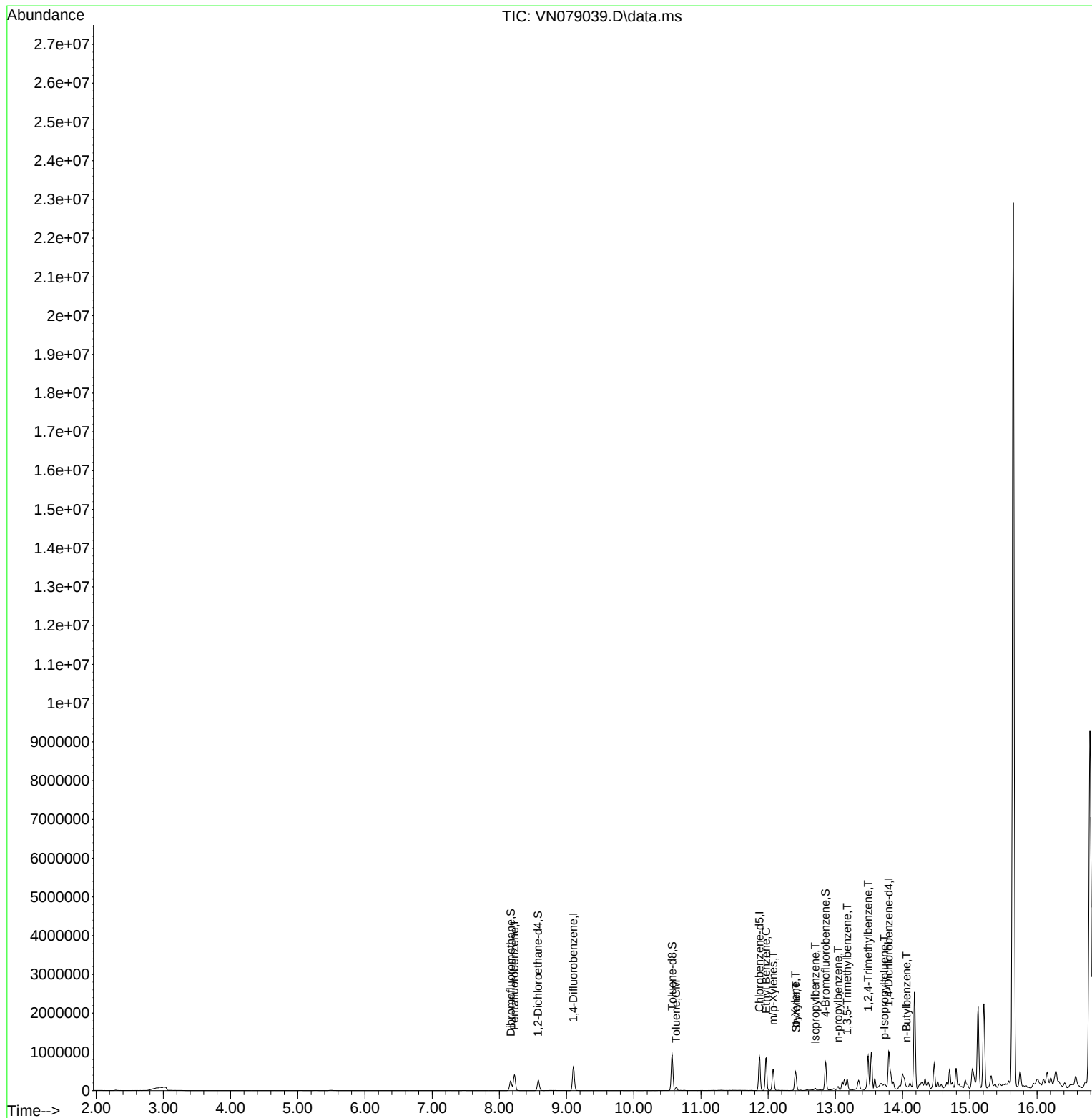
Internal Standards						
1) Pentafluorobenzene	8.224	168	299734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	531789	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.870	117	490439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	206682	44.313	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.620%
35) Dibromofluoromethane	8.171	113	175204	48.943	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.880%
50) Toluene-d8	10.570	98	628484	47.283	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.560%
62) 4-Bromofluorobenzene	12.853	95	238433	54.881	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.760%
Target Compounds						
					Qvalue	
52) Toluene	10.629	92	35610	3.644	ug/l	96
67) Ethyl Benzene	11.970	91	619599	32.637	ug/l	99
68) m/p-Xylenes	12.076	106	173053	24.380	ug/l	98
69) o-Xylene	12.406	106	103772	15.029	ug/l	98
70) Styrene	12.417	104	106008	9.207	ug/l	91
73) Isopropylbenzene	12.700	105	33244	1.610	ug/l	98
78) n-propylbenzene	13.041	91	65010	2.714	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	128332	7.841	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	484441	29.891	ug/l	97
86) p-Isopropyltoluene	13.729	119	19921	1.317	ug/l	87
89) n-Butylbenzene	14.058	91	13879	1.115	ug/l #	81

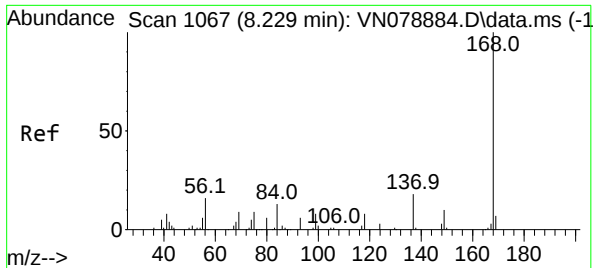
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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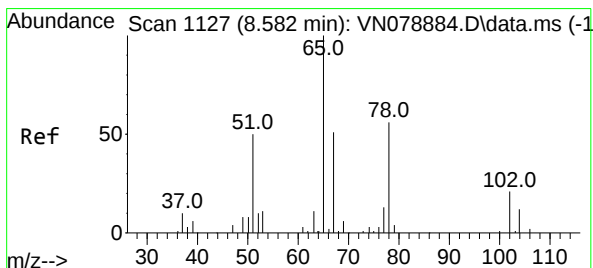
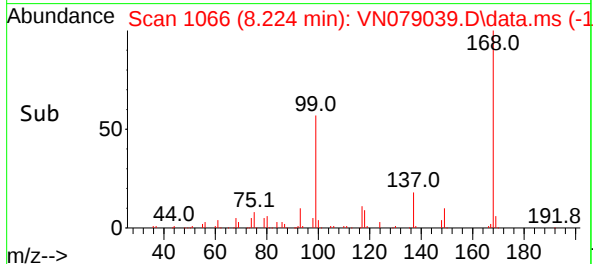
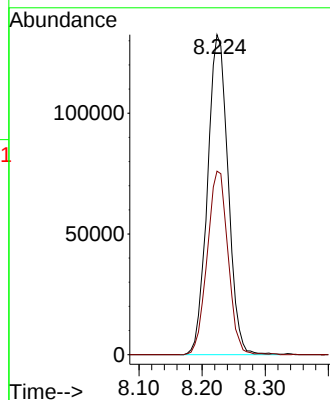
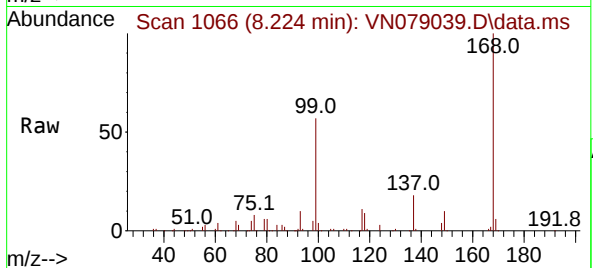




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN079039.D
Acq: 24 Aug 2023 18:18

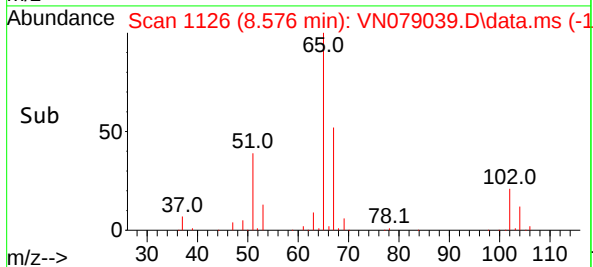
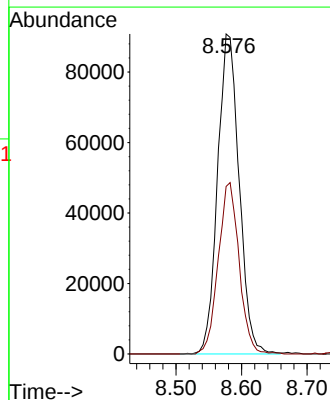
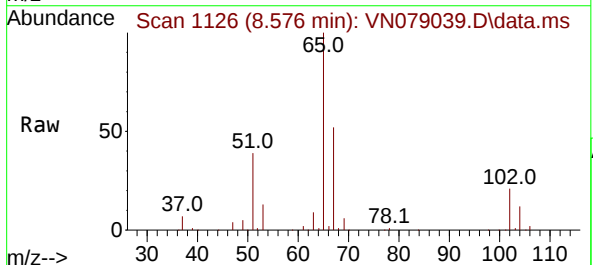
Instrument :
MSVOA_N
ClientSampleId :
NEVINS-SB05-Z113-114

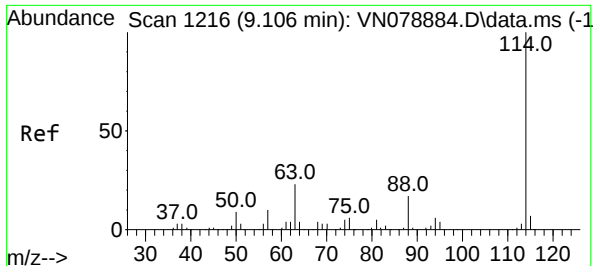
Tgt Ion:168 Resp: 299734
Ion Ratio Lower Upper
168 100
99 57.4 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 44.313 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.007 min
Lab File: VN079039.D
Acq: 24 Aug 2023 18:18

Tgt Ion: 65 Resp: 206682
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN079039.D

Acq: 24 Aug 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

NEVINS-SB05-Z113-114

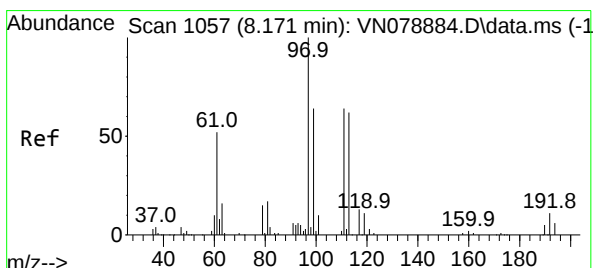
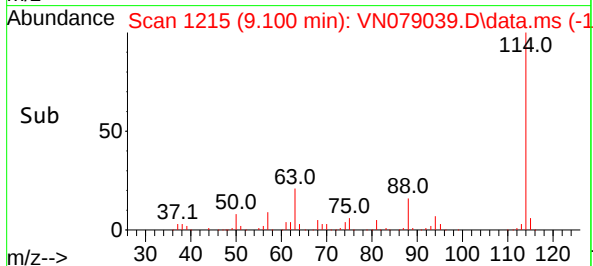
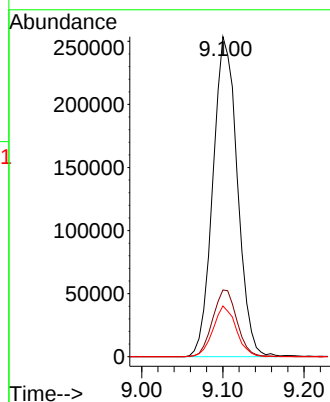
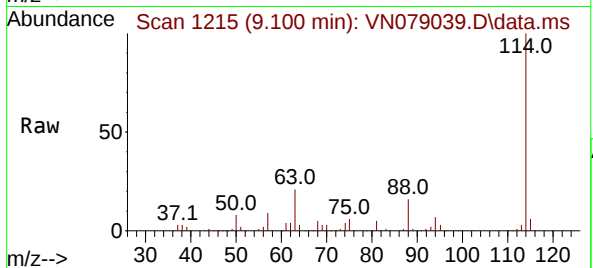
Tgt Ion:114 Resp: 531789

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.943 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079039.D

Acq: 24 Aug 2023 18:18

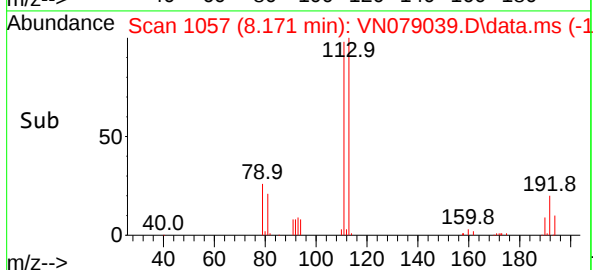
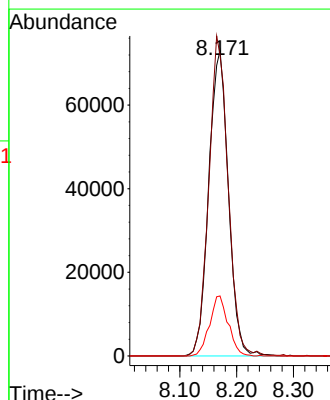
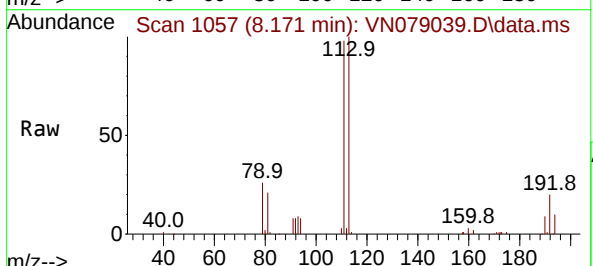
Tgt Ion:113 Resp: 175204

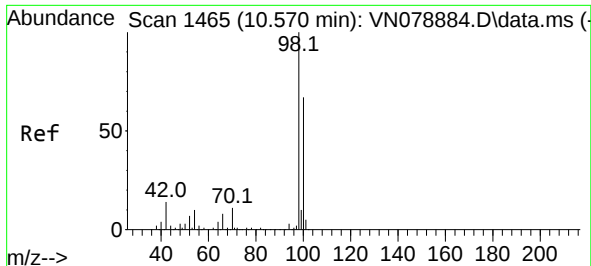
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 18.7 12.7 19.1

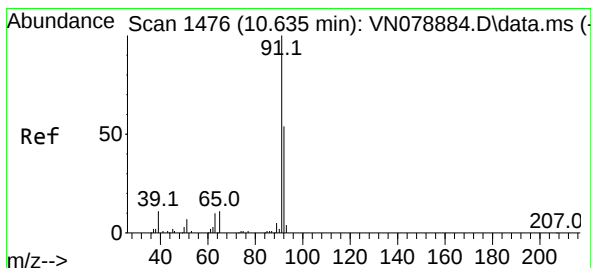
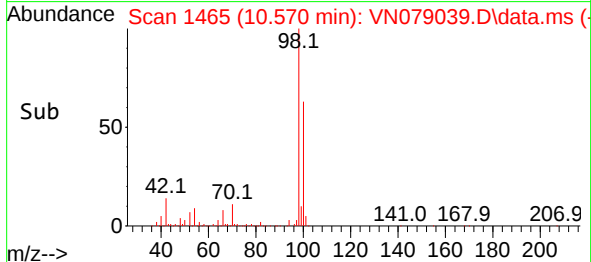
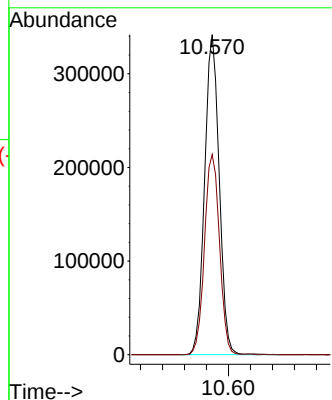
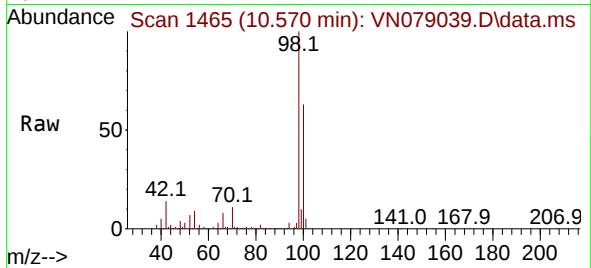




#50
Toluene-d8
Concen: 47.283 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079039.D
Acq: 24 Aug 2023 18:18

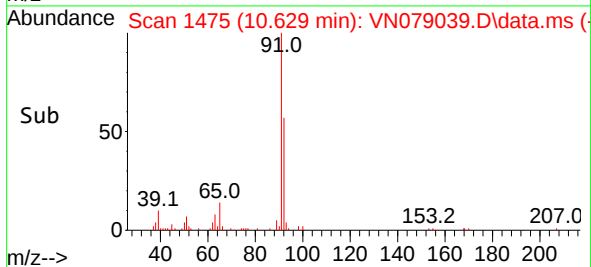
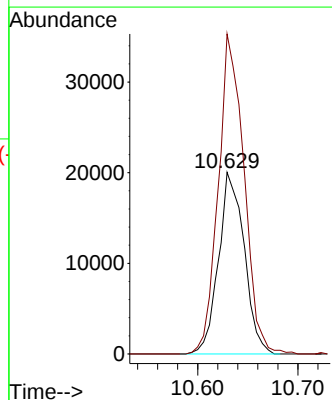
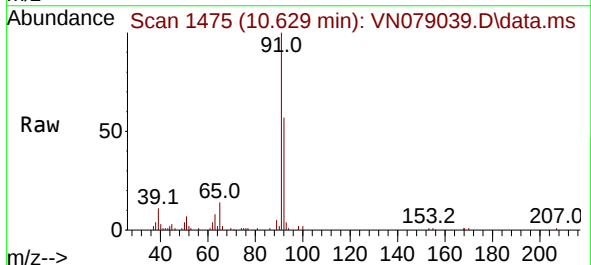
Instrument :
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NEVINS-SB05-Z113-114

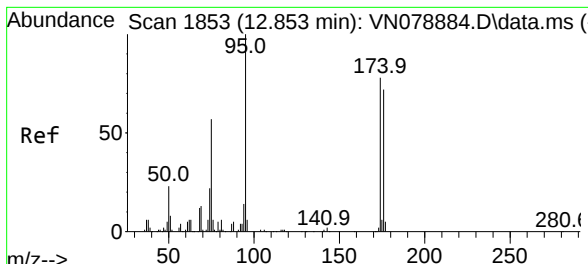
Tgt Ion: 98 Resp: 628484
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#52
Toluene
Concen: 3.644 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN079039.D
Acq: 24 Aug 2023 18:18

Tgt Ion: 92 Resp: 35610
Ion Ratio Lower Upper
92 100
91 176.6 137.4 206.0

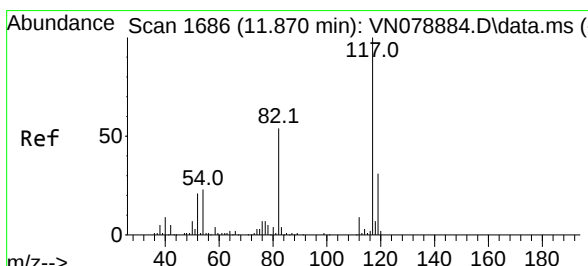
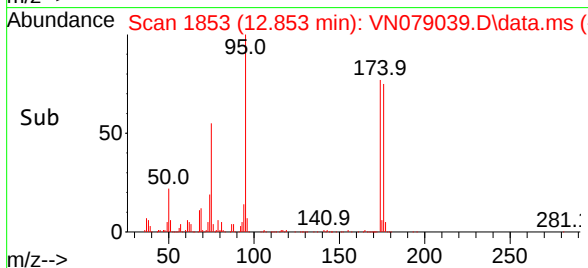
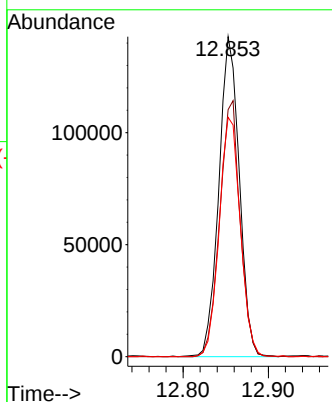
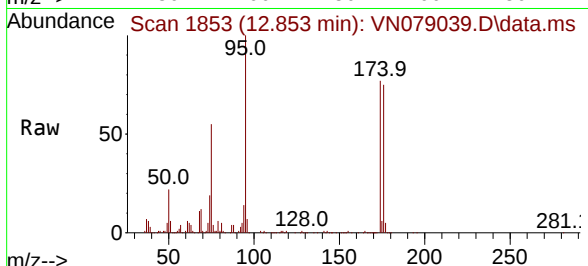




#62
 4-Bromofluorobenzene
 Concen: 54.881 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079039.D
 Acq: 24 Aug 2023 18:18

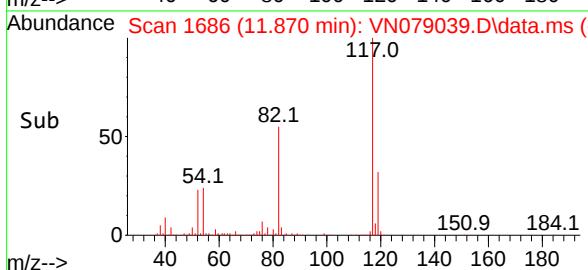
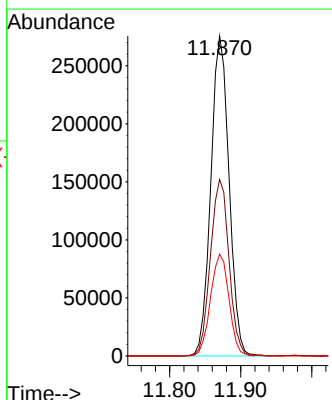
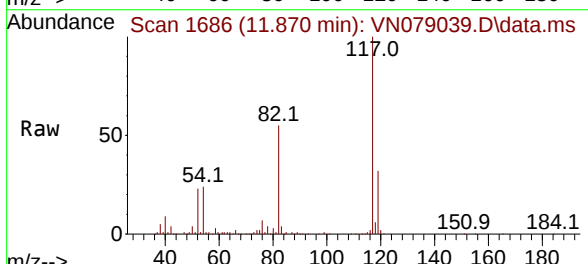
Instrument : MSVOA_N
 ClientSampleId : NEVINS-SB05-Z113-114

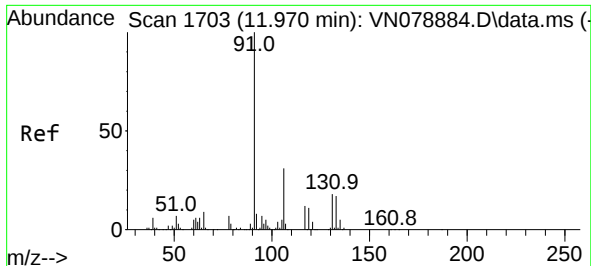
Tgt Ion:	95	Resp:	238433
Ion Ratio	Lower	Upper	
95	100		
174	79.7	0.0	143.8
176	77.0	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN079039.D
 Acq: 24 Aug 2023 18:18

Tgt Ion:	117	Resp:	490439
Ion Ratio	Lower	Upper	
117	100		
82	55.1	44.0	66.0
119	31.8	25.6	38.4





#67

Ethyl Benzene

Concen: 32.637 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. -0.001 min

Lab File: VN079039.D

Acq: 24 Aug 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

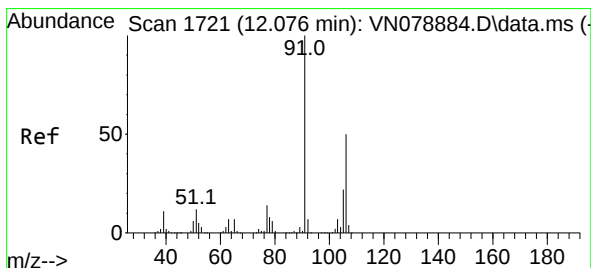
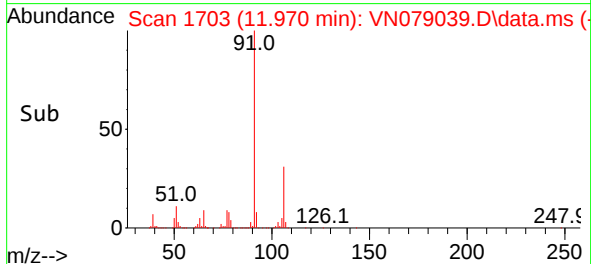
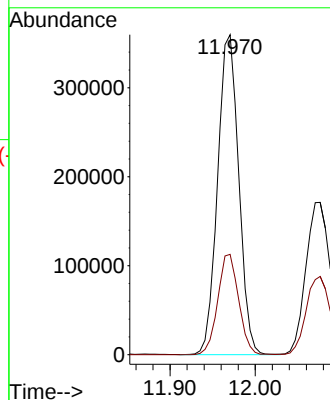
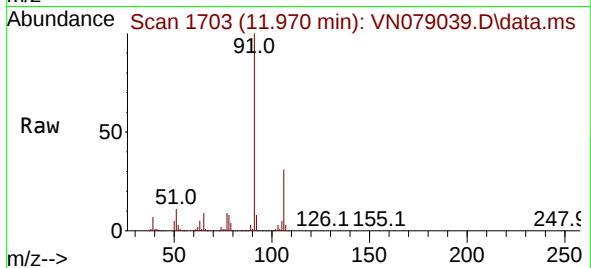
NEVINS-SB05-Z113-114

Tgt Ion: 91 Resp: 619599

Ion Ratio Lower Upper

91 100

106 31.3 25.6 38.4



#68

m/p-Xylenes

Concen: 24.380 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VN079039.D

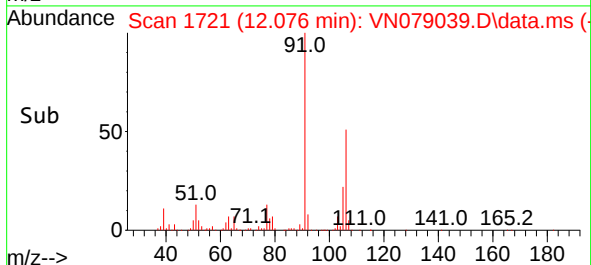
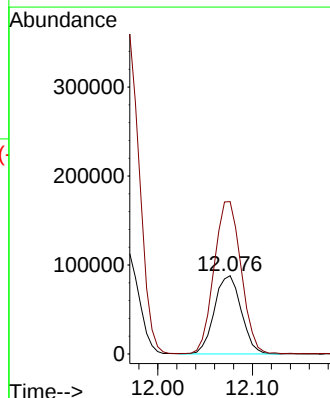
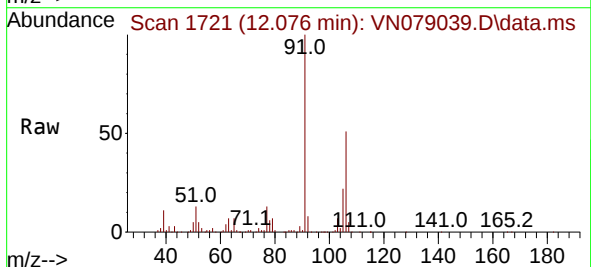
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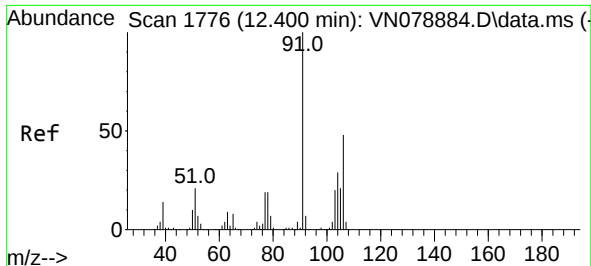
Tgt Ion:106 Resp: 173053

Ion Ratio Lower Upper

106 100

91 196.3 159.6 239.4





#69

o-Xylene

Concen: 15.029 ug/l

RT: 12.406 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN079039.D

Acq: 24 Aug 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

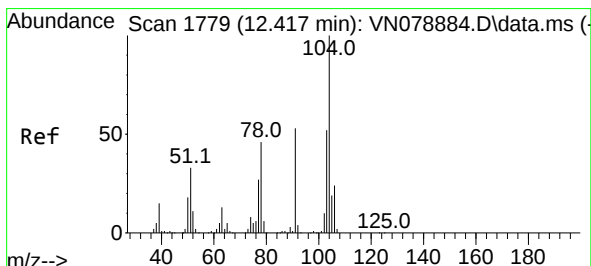
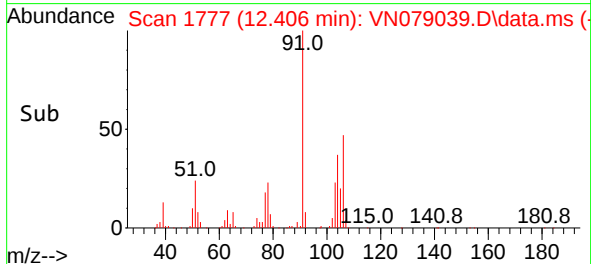
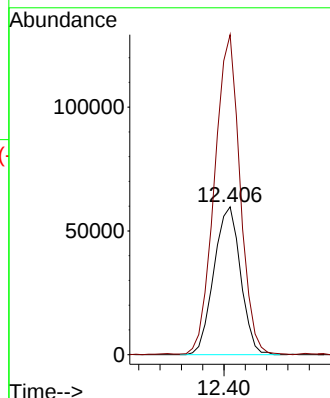
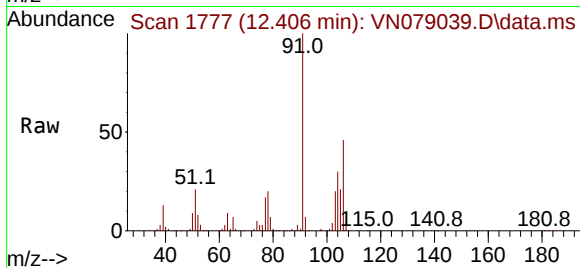
NEVINS-SB05-Z113-114

Tgt Ion:106 Resp: 103772

Ion Ratio Lower Upper

106 100

91 207.7 105.2 315.5



#70

Styrene

Concen: 9.207 ug/l

RT: 12.417 min Scan# 1779

Delta R.T. -0.001 min

Lab File: VN079039.D

Acq: 24 Aug 2023 18:18

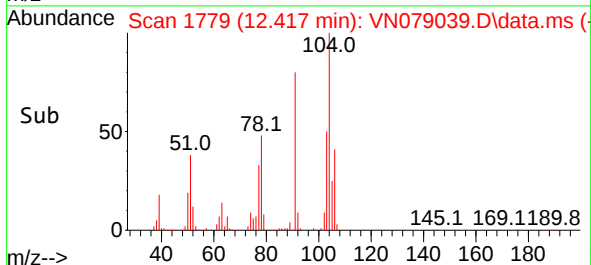
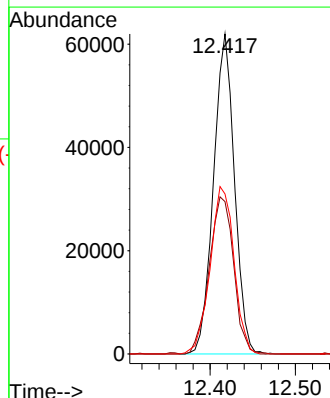
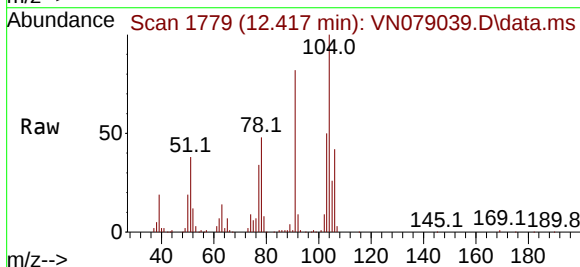
Tgt Ion:104 Resp: 106008

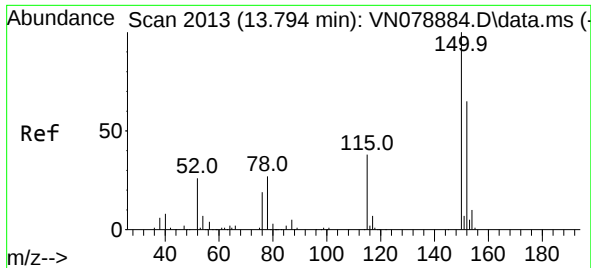
Ion Ratio Lower Upper

104 100

78 57.1 39.5 59.3

103 59.4 43.2 64.8

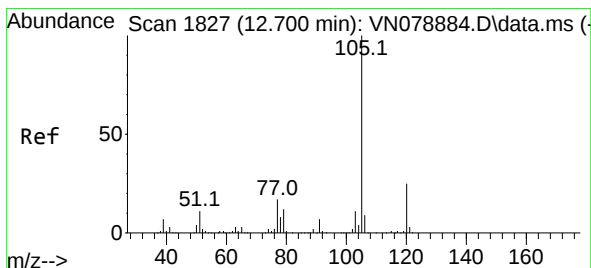
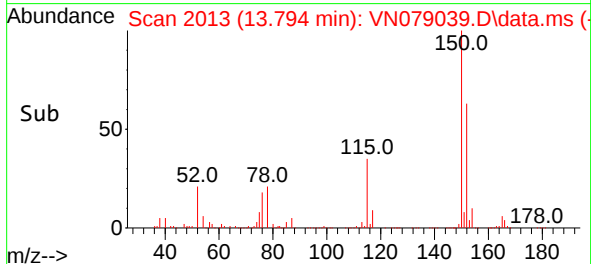
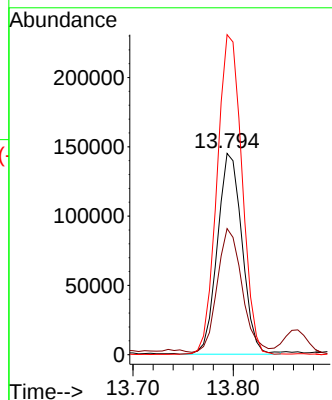
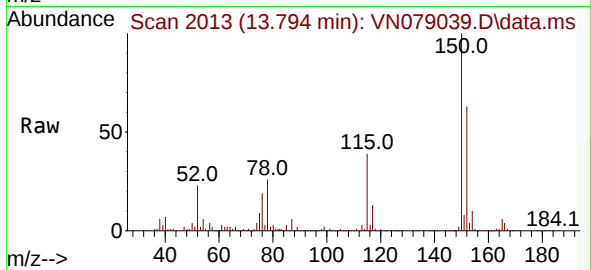




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079039.D
Acq: 24 Aug 2023 18:18

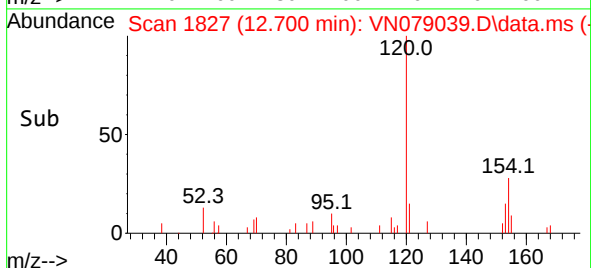
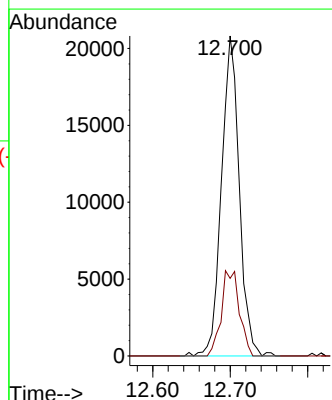
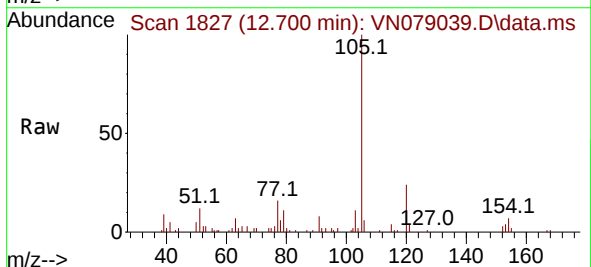
Instrument :
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NEVINS-SB05-Z113-114

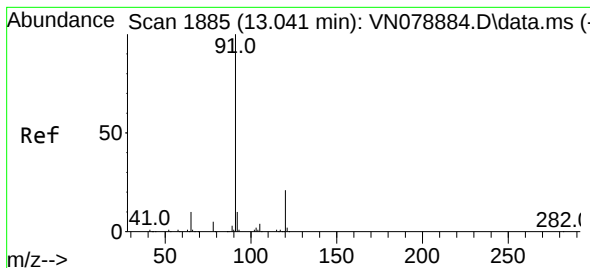
Tgt Ion:152 Resp: 247707
Ion Ratio Lower Upper
152 100
115 61.4 32.3 96.8
150 161.3 0.0 355.8



#73
Isopropylbenzene
Concen: 1.610 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN079039.D
Acq: 24 Aug 2023 18:18

Tgt Ion:105 Resp: 33244
Ion Ratio Lower Upper
105 100
120 27.0 13.1 39.1





#78

n-propylbenzene

Concen: 2.714 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN079039.D

Acq: 24 Aug 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

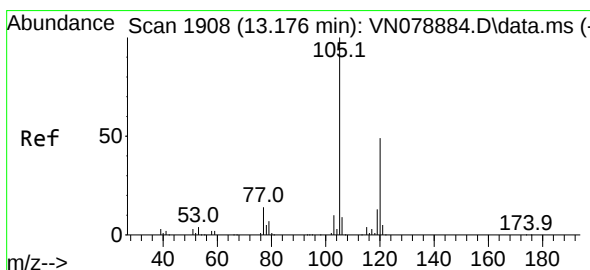
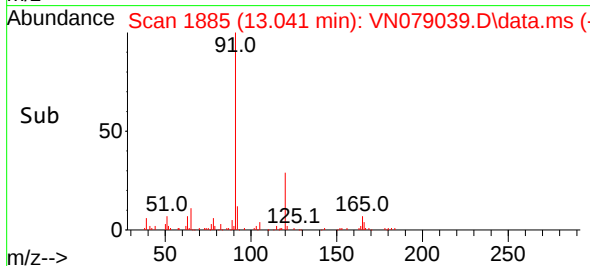
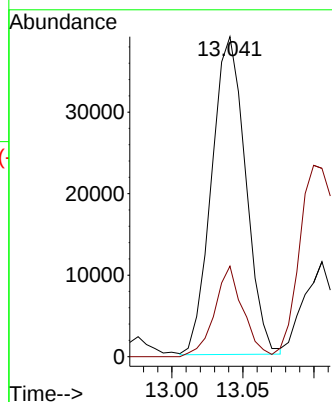
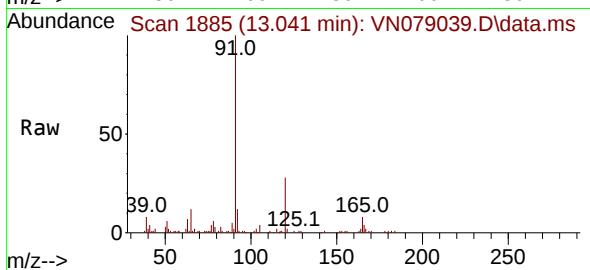
NEVINS-SB05-Z113-114

Tgt Ion: 91 Resp: 65010

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 7.841 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079039.D

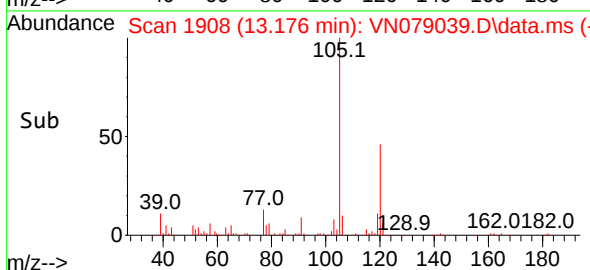
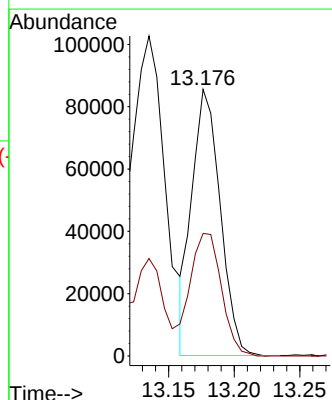
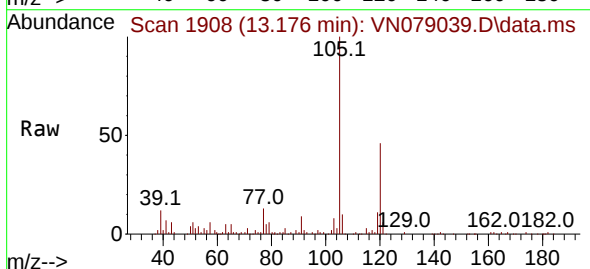
Acq: 24 Aug 2023 18:18

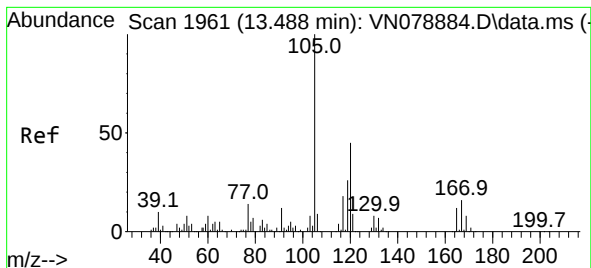
Tgt Ion:105 Resp: 128332

Ion Ratio Lower Upper

105 100

120 52.1 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 29.891 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN079039.D

Acq: 24 Aug 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

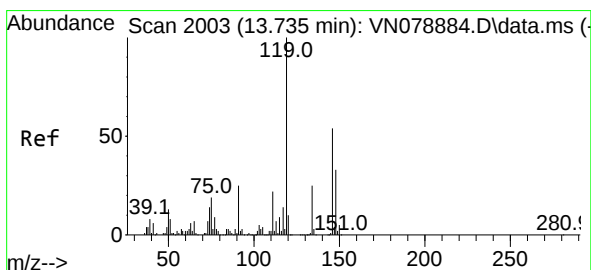
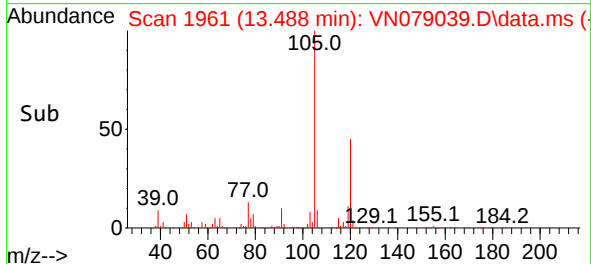
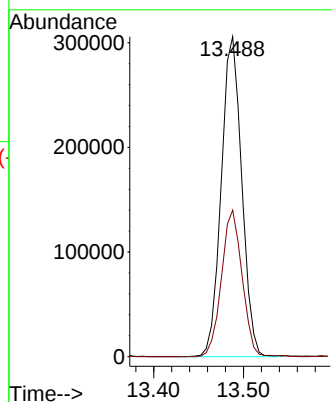
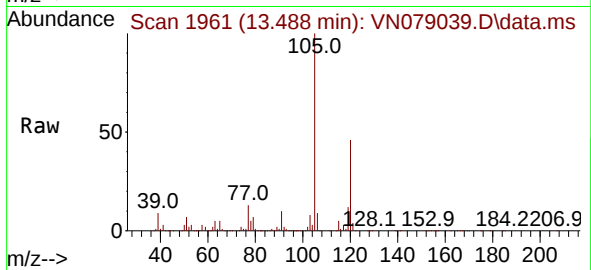
NEVINS-SB05-Z113-114

Tgt Ion:105 Resp: 484441

Ion Ratio Lower Upper

105 100

120 46.2 22.0 66.0



#86

p-Isopropyltoluene

Concen: 1.317 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN079039.D

Acq: 24 Aug 2023 18:18

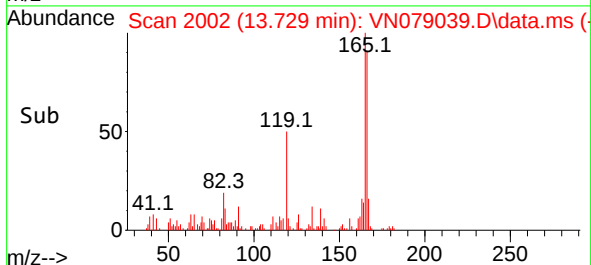
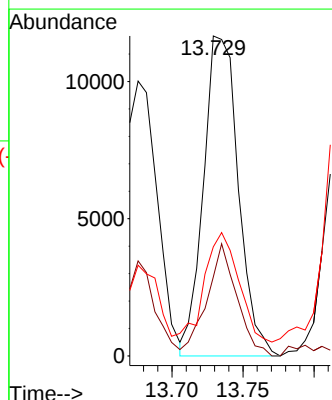
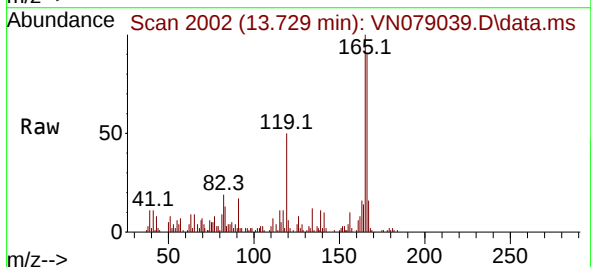
Tgt Ion:119 Resp: 19921

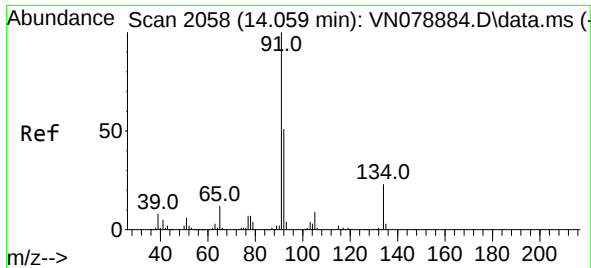
Ion Ratio Lower Upper

119 100

134 30.2 12.6 37.8

91 33.1 12.4 37.2





#89

n-Butylbenzene

Concen: 1.115 ug/l

RT: 14.058 min Scan# 2058

Delta R.T. -0.001 min

Lab File: VN079039.D

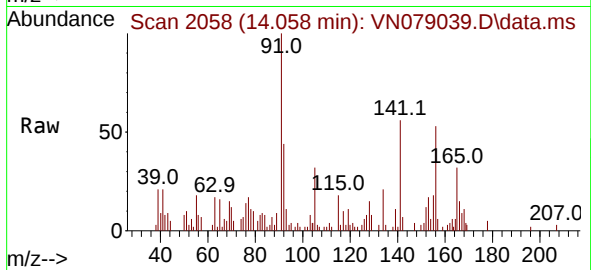
Acq: 24 Aug 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

NEVINS-SB05-Z113-114



Tgt Ion: 91 Resp: 13879

Ion Ratio Lower Upper

91 100

92 55.3 26.4 79.0

134 0.0 12.6 37.6#

