

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
 Data File : VN079157.D
 Acq On : 02 Sep 2023 20:47
 Operator : JC\MD
 Sample : 04285-03 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 832

Quant Time: Sep 04 01:11:03 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)

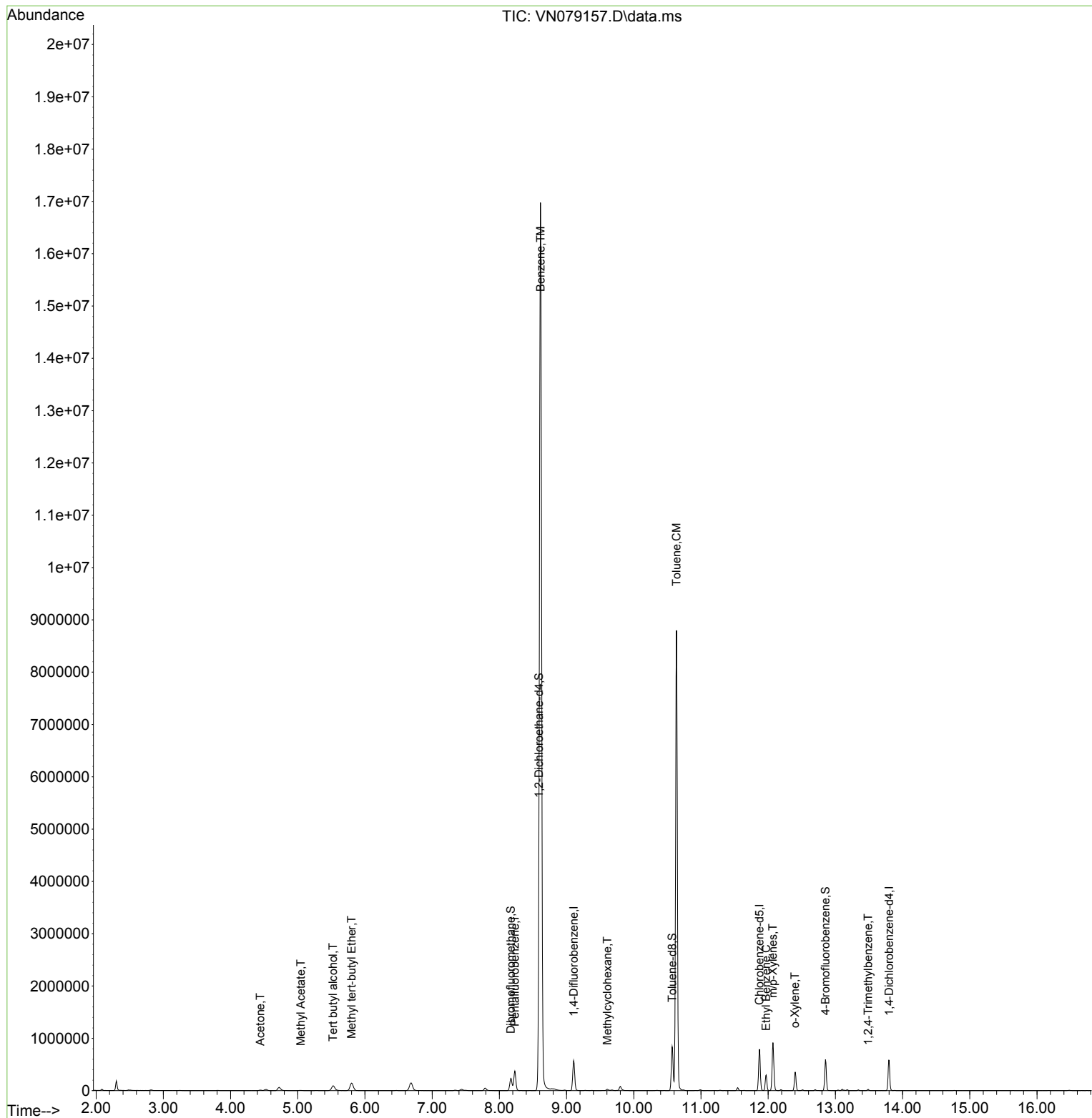
Internal Standards						
1) Pentafluorobenzene	8.230	168	271082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	500801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	463305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	158705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	203060	48.138	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.280%
35) Dibromofluoromethane	8.171	113	171499	50.873	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.740%
50) Toluene-d8	10.571	98	593918	47.448	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.900%
62) 4-Bromofluorobenzene	12.853	95	207615	50.744	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	163875	231.517	ug/l	100
16) Acetone	4.442	43	20052	11.521	ug/l	90
18) Methyl Acetate	5.047	43	10042	1.366	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	234178	22.338	ug/l	96
39) Methylcyclohexane	9.606	83	9243	1.982	ug/l #	87
40) Benzene	8.612	78	17460850	1164.925	ug/l	97
52) Toluene	10.635	92	3900001	423.794	ug/l	99
67) Ethyl Benzene	11.971	91	221809	12.368	ug/l	98
68) m/p-Xylenes	12.071	106	279446	41.675	ug/l	93
69) o-Xylene	12.400	106	99659	15.279	ug/l	91
84) 1,2,4-Trimethylbenzene	13.488	105	13600	1.310	ug/l	97

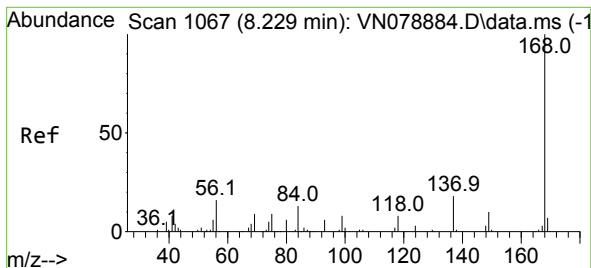
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 16 02:42:02 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079157.D

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MSVOA_N

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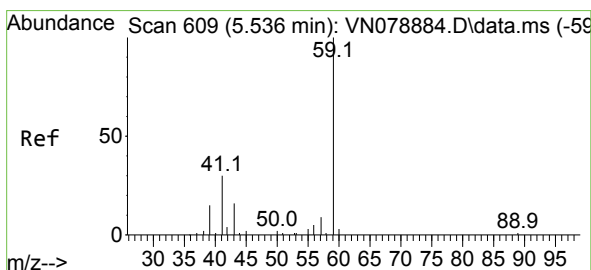
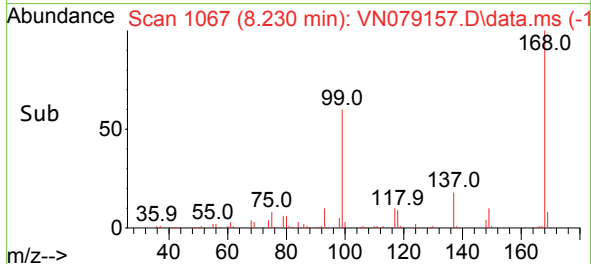
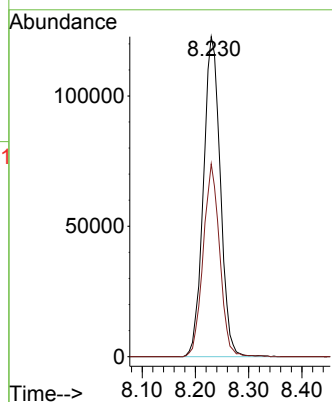
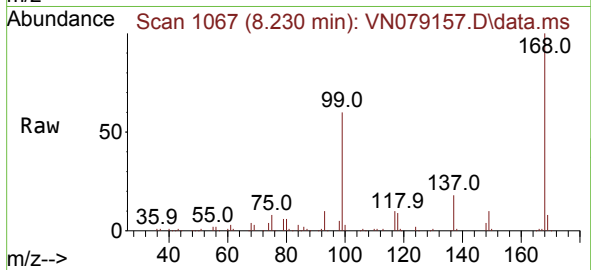
832

Tgt Ion:168 Resp: 271082

Ion Ratio Lower Upper

168 100

99 60.3 53.0 79.6



#11

Tert butyl alcohol

Concen: 231.517 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.018 min

Lab File: VN079157.D

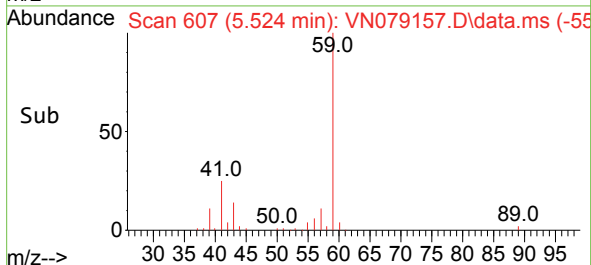
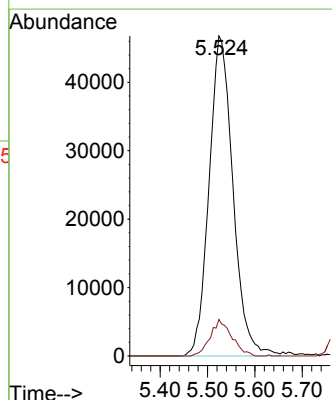
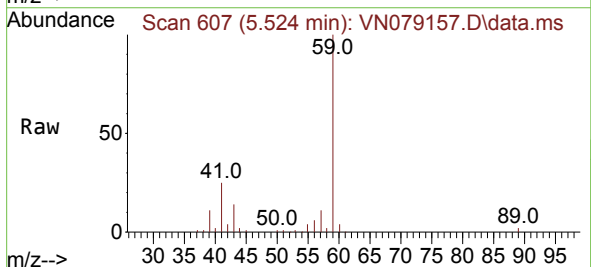
Acq: 02 Sep 2023 20:47

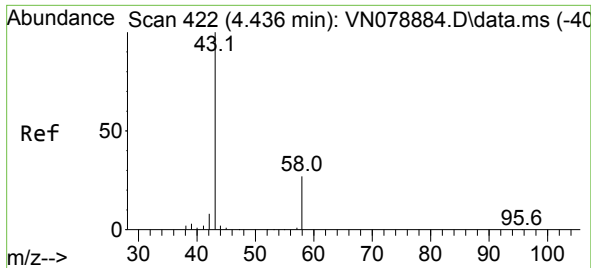
Tgt Ion: 59 Resp: 163875

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.4





#16

Acetone

Concen: 11.521 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN079157.D

Acq: 02 Sep 2023 20:47

Instrument :

MSVOA_N

ClientSampleId :

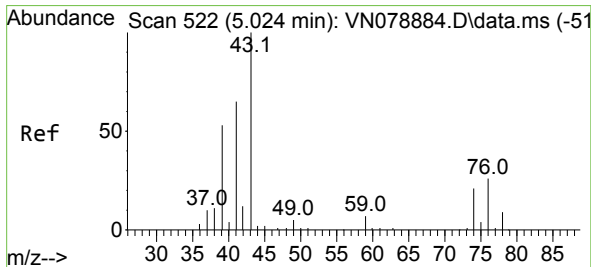
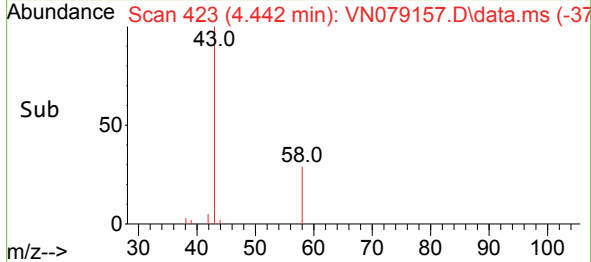
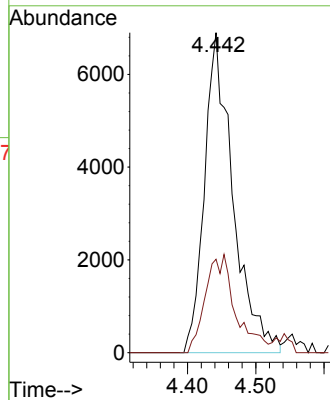
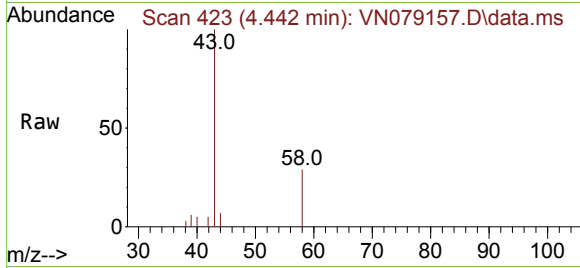
832

Tgt Ion: 43 Resp: 20052

Ion Ratio Lower Upper

43 100

58 29.2 28.0 42.0



#18

Methyl Acetate

Concen: 1.366 ug/l

RT: 5.047 min Scan# 526

Delta R.T. 0.005 min

Lab File: VN079157.D

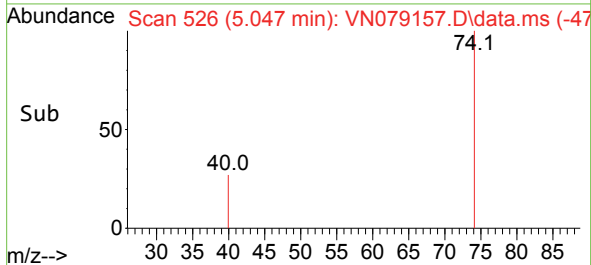
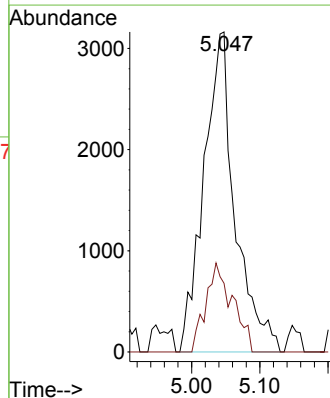
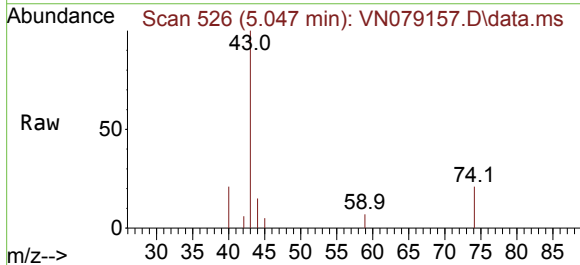
Acq: 02 Sep 2023 20:47

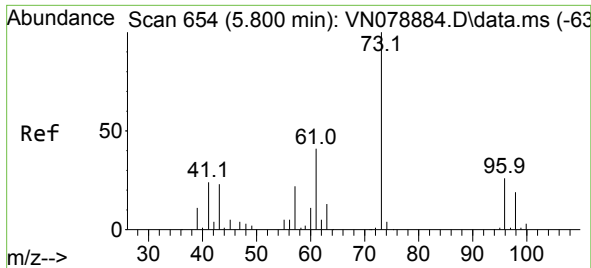
Tgt Ion: 43 Resp: 10042

Ion Ratio Lower Upper

43 100

74 23.9 26.2 39.4#

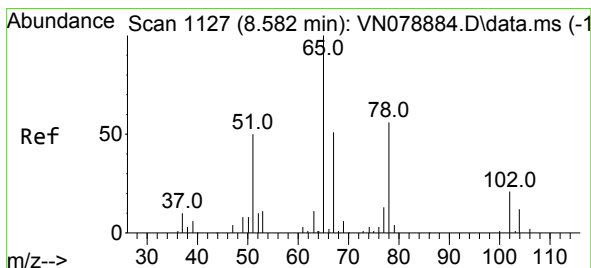
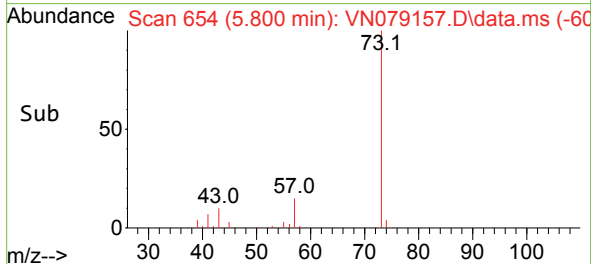
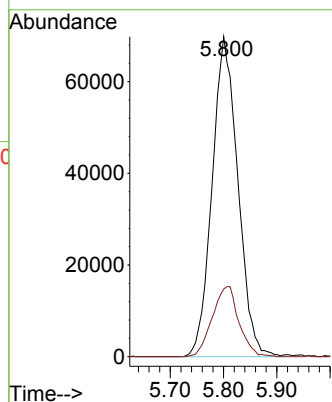
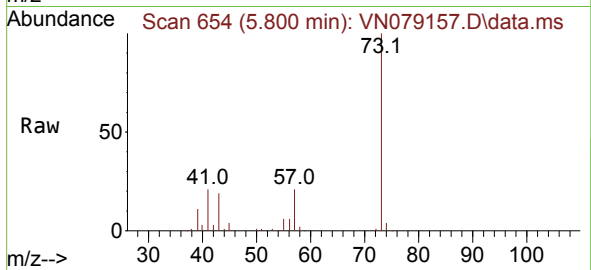




#19
Methyl tert-butyl Ether
Concen: 22.338 ug/l
RT: 5.800 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

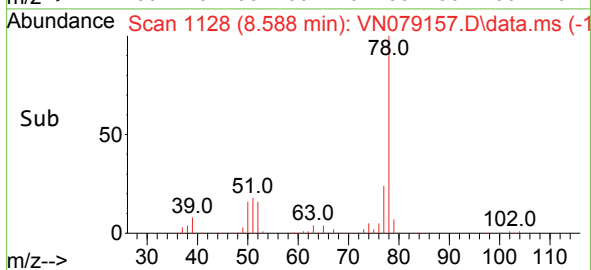
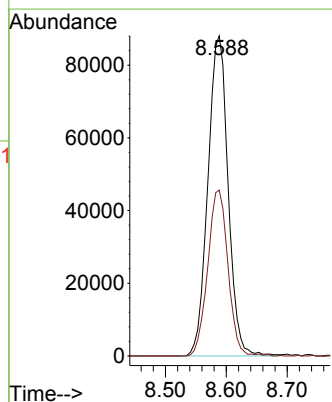
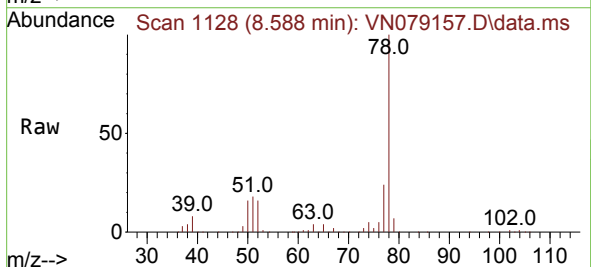
Instrument :
MSVOA_N
ClientSampleId :
832

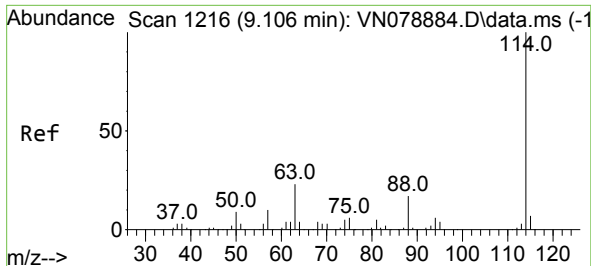
Tgt Ion: 73 Resp: 234178
Ion Ratio Lower Upper
73 100
57 21.2 15.6 23.4



#33
1,2-Dichloroethane-d4
Concen: 48.138 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

Tgt Ion: 65 Resp: 203060
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6

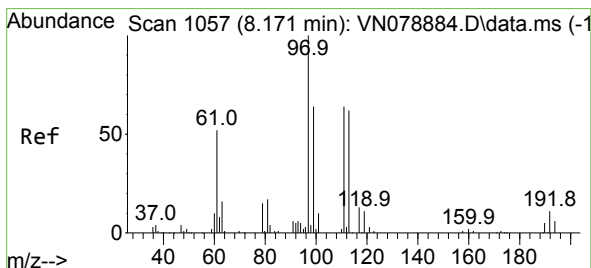
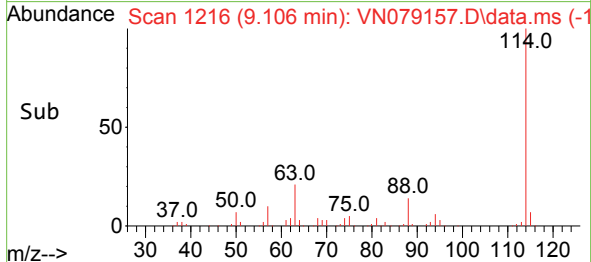
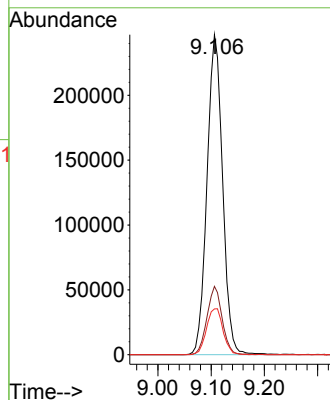
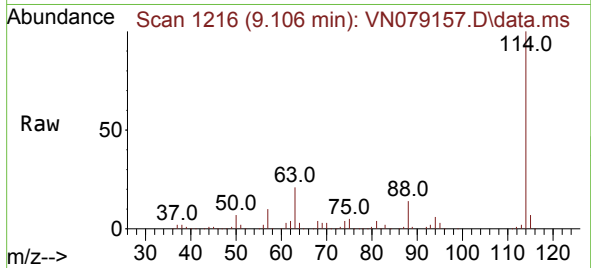




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

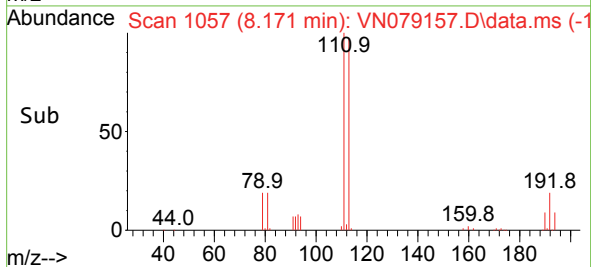
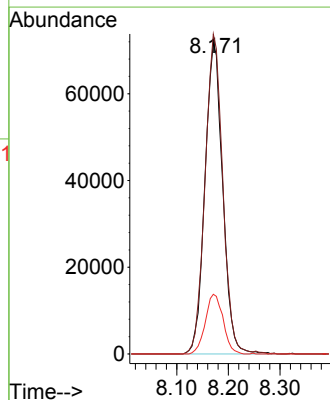
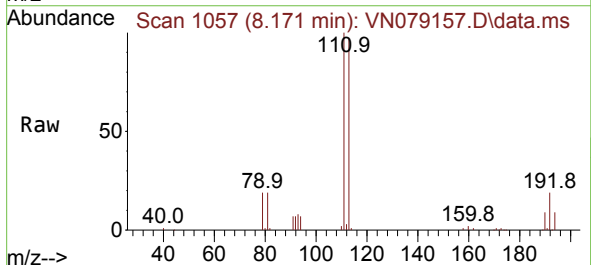
Instrument :
MSVOA_N
ClientSampleId :
832

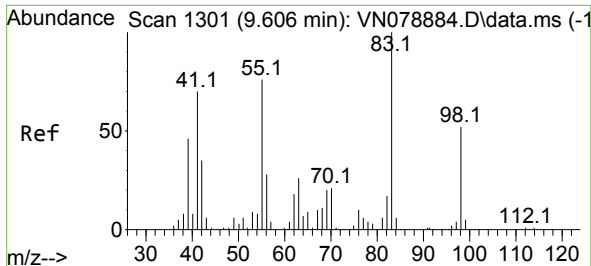
Tgt Ion:114 Resp: 500801
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 14.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.873 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

Tgt Ion:113 Resp: 171499
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 19.2 12.7 19.1#





#39

Methylcyclohexane

Concen: 1.982 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. 0.000 min

Lab File: VN079157.D

Acq: 02 Sep 2023 20:47

Instrument :

MSVOA_N

ClientSampleId :

832

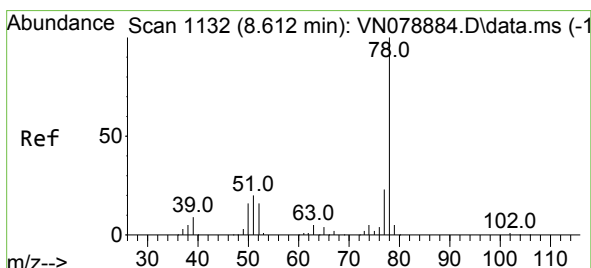
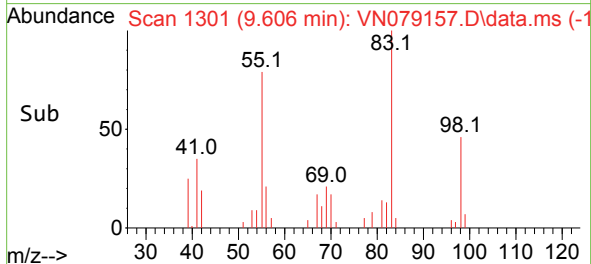
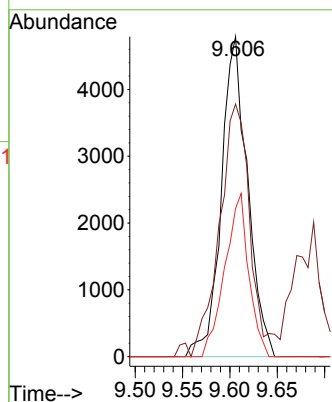
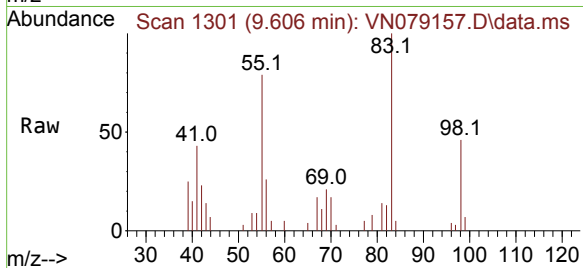
Tgt Ion: 83 Resp: 9243

Ion Ratio Lower Upper

83 100

55 75.3 49.1 73.7#

98 46.3 40.6 61.0



#40

Benzene

Concen: 1164.925 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079157.D

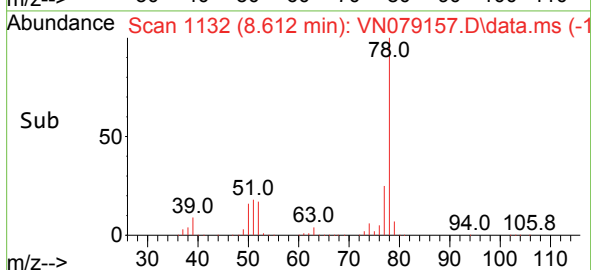
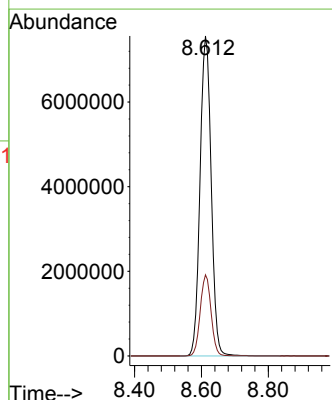
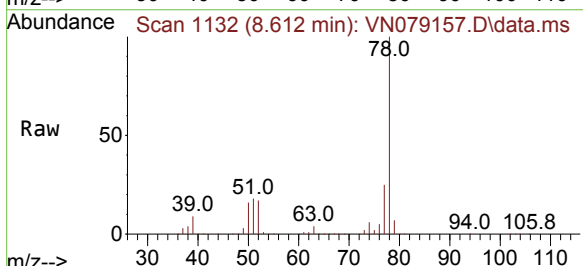
Acq: 02 Sep 2023 20:47

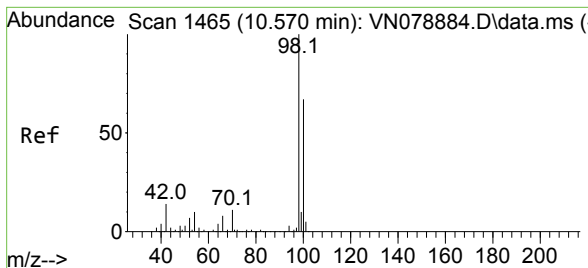
Tgt Ion: 78 Resp:17460850

Ion Ratio Lower Upper

78 100

77 25.3 19.0 28.6

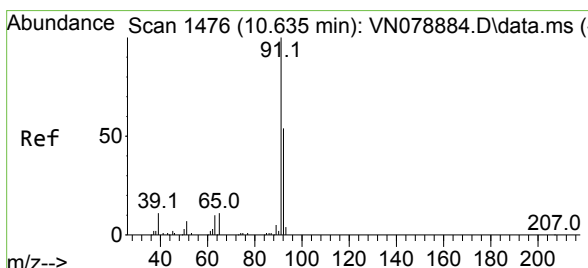
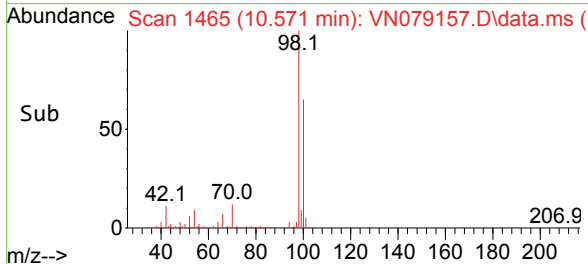
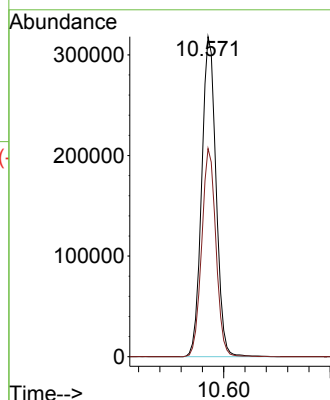
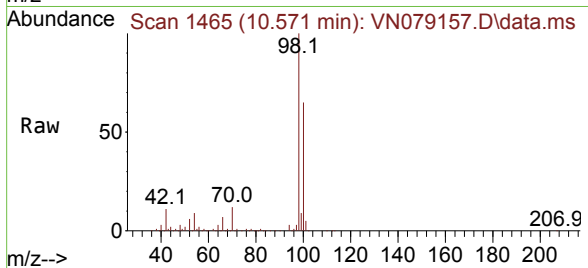




#50
Toluene-d8
Concen: 47.448 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

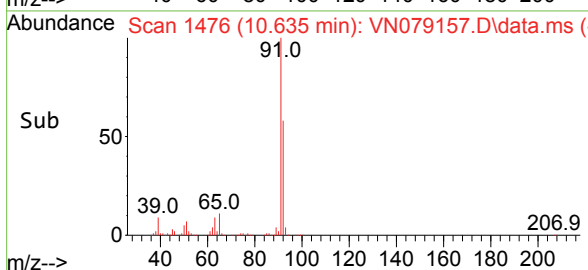
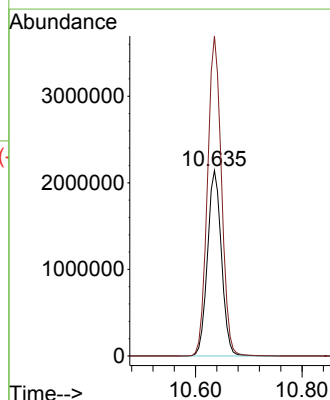
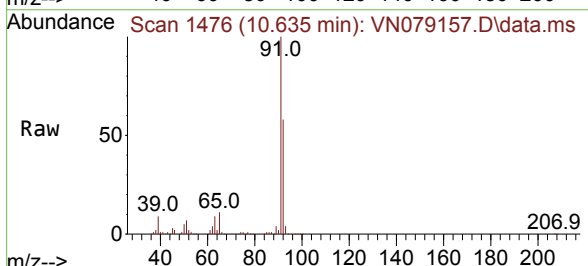
Instrument :
MSVOA_N
ClientSampleId :
832

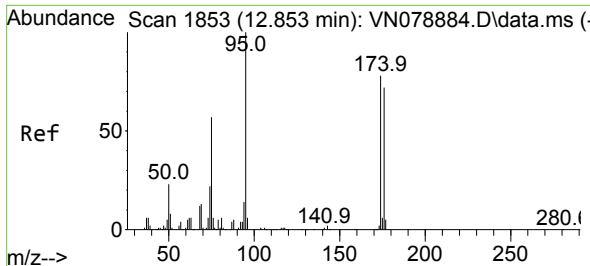
Tgt Ion: 98 Resp: 593918
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#52
Toluene
Concen: 423.794 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

Tgt Ion: 92 Resp: 3900001
Ion Ratio Lower Upper
92 100
91 172.8 137.4 206.0

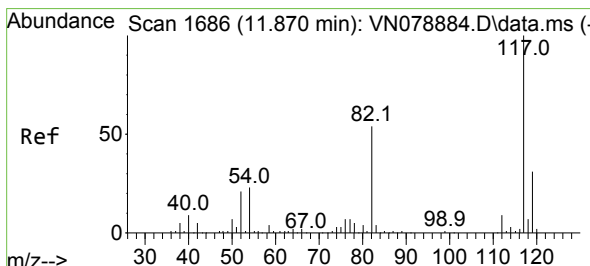
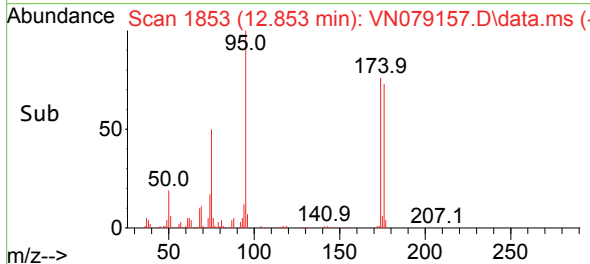
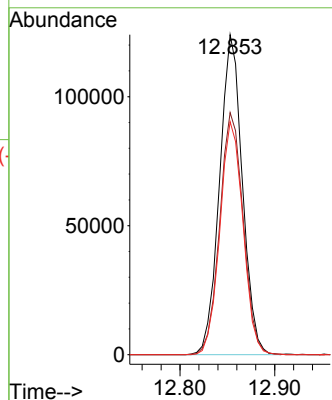
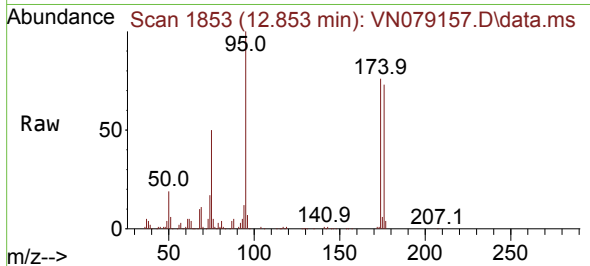




#62
4-Bromofluorobenzene
Concen: 50.744 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

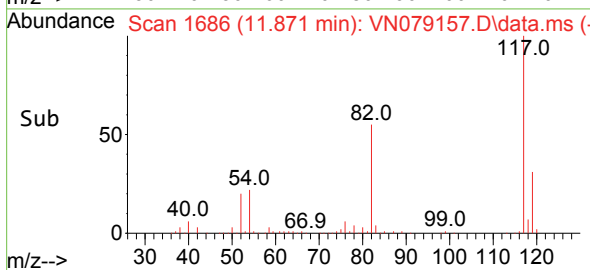
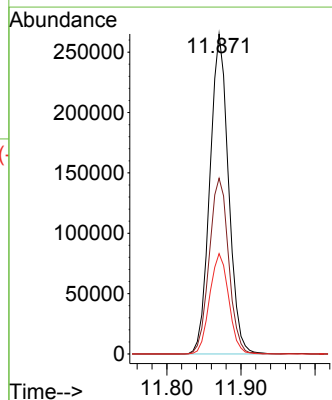
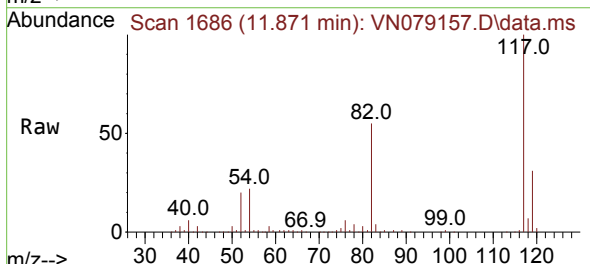
Instrument :
MSVOA_N
ClientSampleId :
832

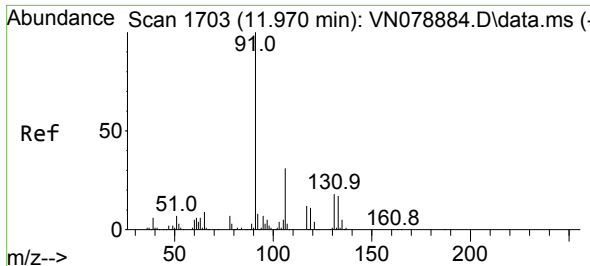
Tgt Ion: 95 Resp: 207615
Ion Ratio Lower Upper
95 100
174 77.9 0.0 143.8
176 73.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

Tgt Ion: 117 Resp: 463305
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 31.4 25.6 38.4

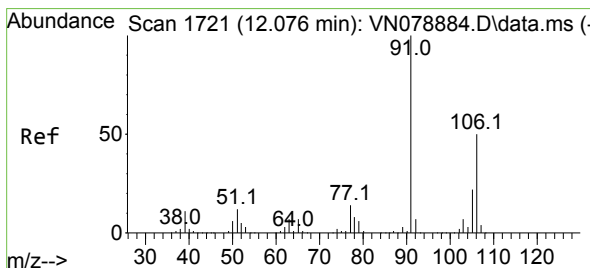
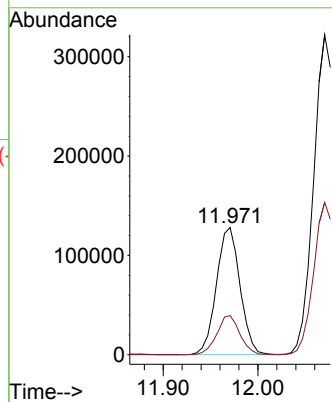
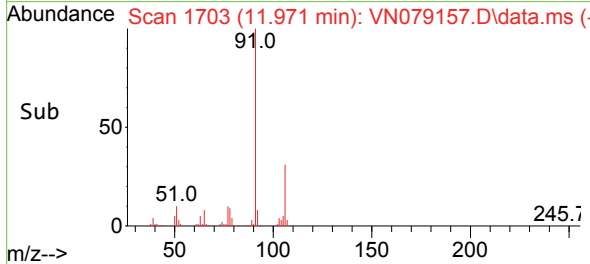
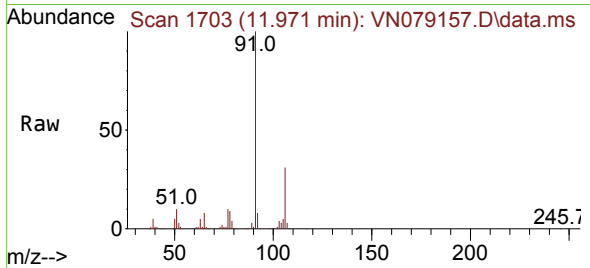




#67
Ethyl Benzene
Concen: 12.368 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

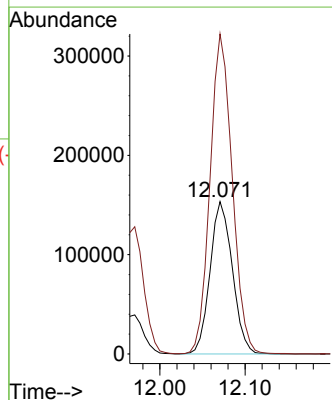
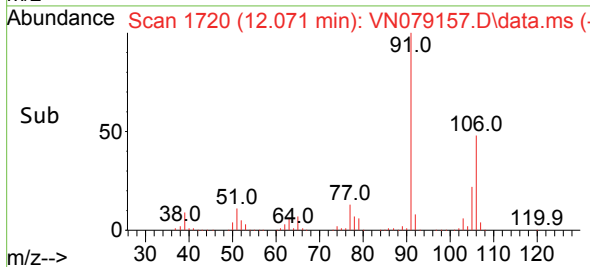
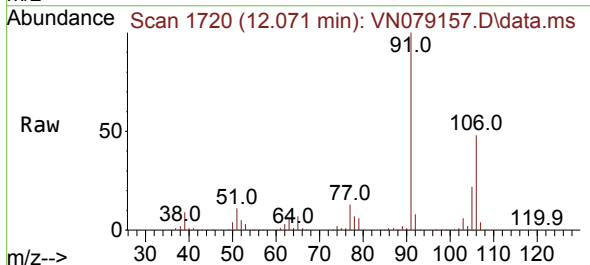
Instrument :
MSVOA_N
ClientSampleId :
832

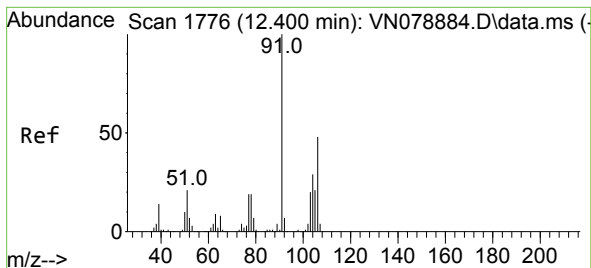
Tgt Ion: 91 Resp: 221809
Ion Ratio Lower Upper
91 100
106 30.7 25.6 38.4



#68
m/p-Xylenes
Concen: 41.675 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.005 min
Lab File: VN079157.D
Acq: 02 Sep 2023 20:47

Tgt Ion: 106 Resp: 279446
Ion Ratio Lower Upper
106 100
91 209.5 159.6 239.4





#69

o-Xylene

Concen: 15.279 ug/l

RT: 12.400 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079157.D

Acq: 02 Sep 2023 20:47

Instrument :

MSVOA_N

ClientSampleId :

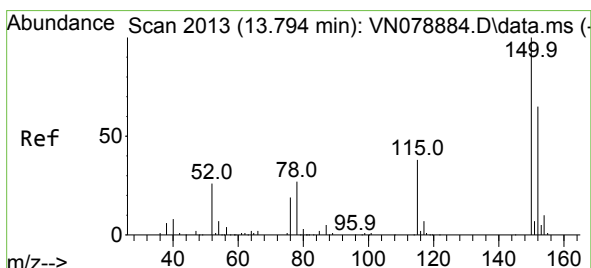
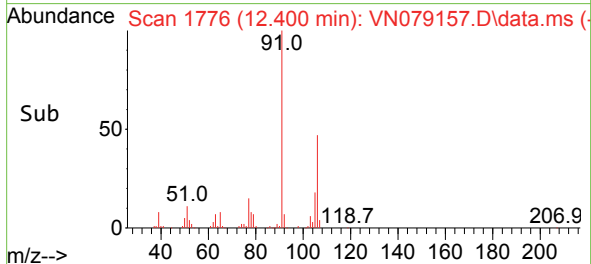
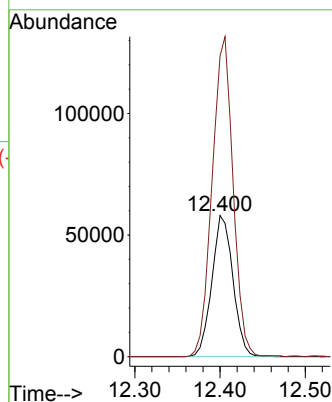
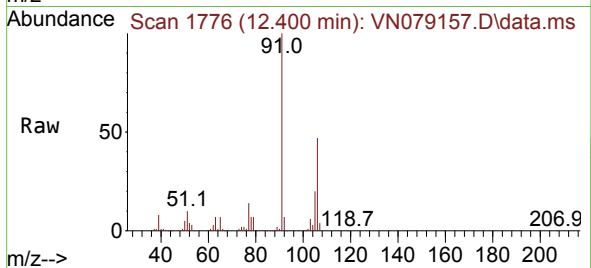
832

Tgt Ion:106 Resp: 99659

Ion Ratio Lower Upper

106 100

91 224.6 105.2 315.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079157.D

Acq: 02 Sep 2023 20:47

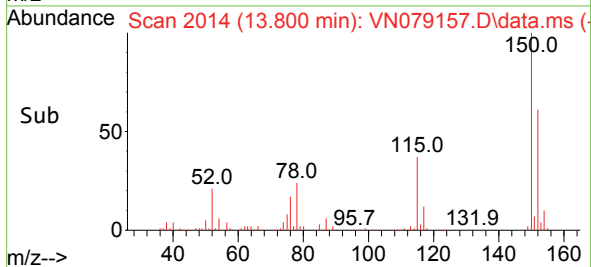
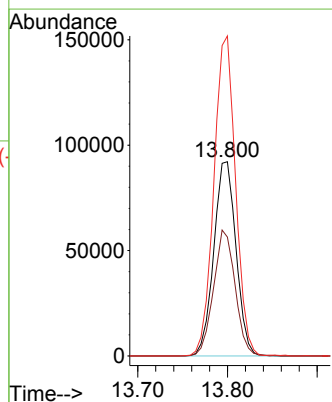
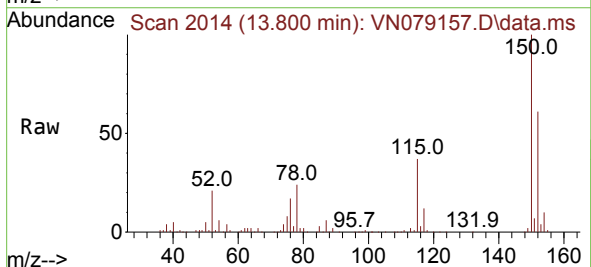
Tgt Ion:152 Resp: 158705

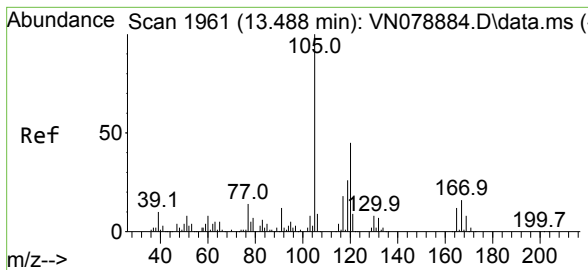
Ion Ratio Lower Upper

152 100

115 63.0 32.3 96.8

150 160.0 0.0 355.8





#84
 1,2,4-Trimethylbenzene
 Concen: 1.310 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN079157.D
 Acq: 02 Sep 2023 20:47

Instrument :
 MSVOA_N
 ClientSampleId :
 832

Tgt Ion:	105	Resp:	13600
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.0	66.0

