

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041423\
 Data File : VN077347.D
 Acq On : 14 Apr 2023 12:41
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 17 05:09:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

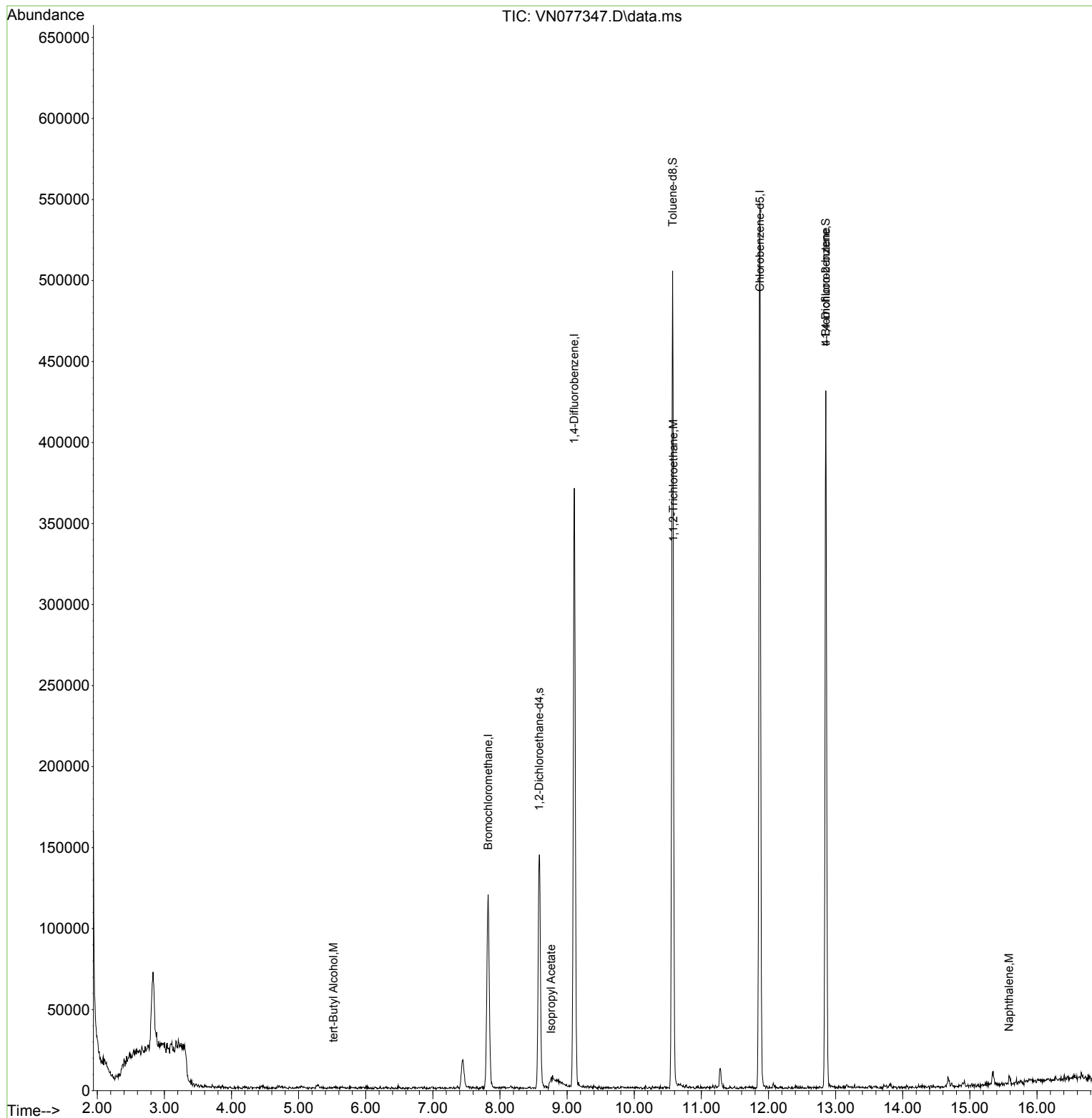
Internal Standards						
1) Bromochloromethane	7.825	128	46064	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	336920	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	327693	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	114683	29.355	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.867%
60) 4-Bromofluorobenzene	12.854	95	148090	26.135	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.133%
63) Toluene-d8	10.572	98	364372	31.630	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.433%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.519	59	529	0.481	ug/l #	100
44) Isopropyl Acetate	8.760	43	4590	0.401	ug/l #	100
50) 1,1,2-Trichloroethane	10.583	97	11813	2.013	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.854	75	79493	29.741	ug/l #	18
91) Naphthalene	15.583	128	4206	0.294	ug/l #	88

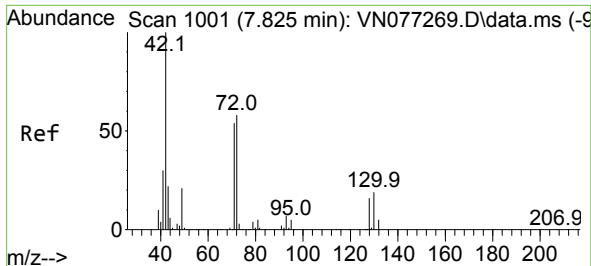
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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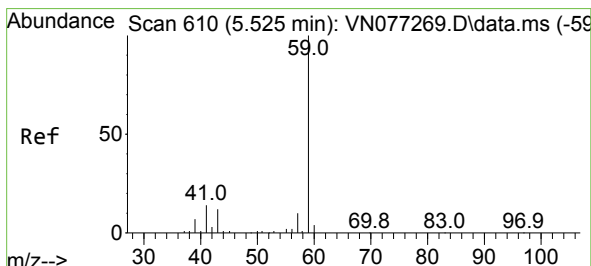
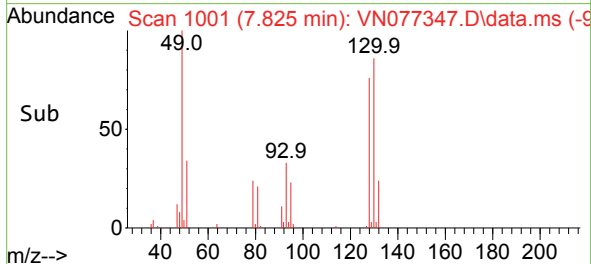
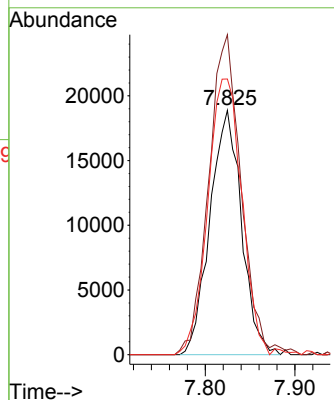
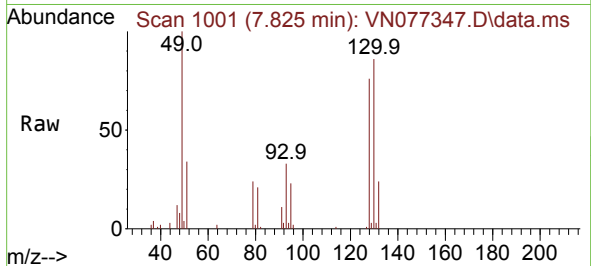




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VN077347.D
Acq: 14 Apr 2023 12:41

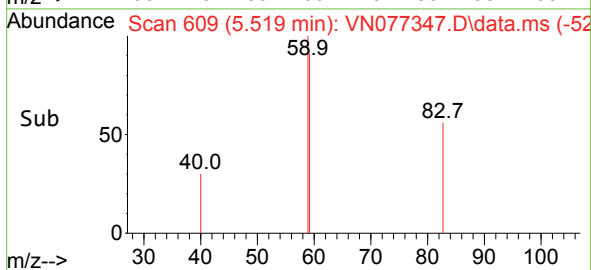
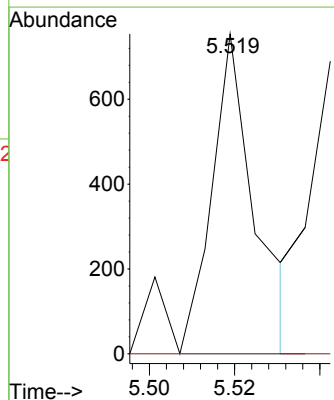
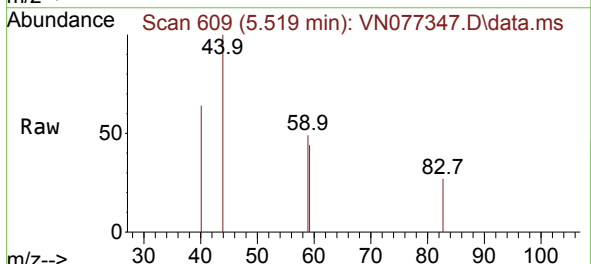
Instrument :
MSVOA_N
ClientSampleId :
IBLK

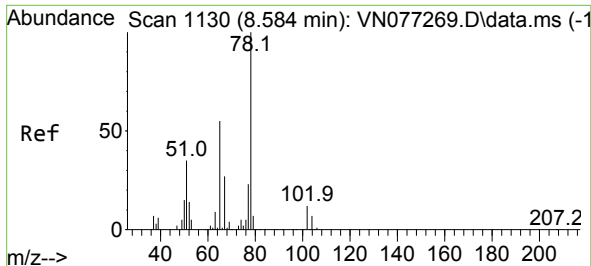
Tgt Ion:128 Resp: 46064
Ion Ratio Lower Upper
128 100
49 133.0 0.0 379.5
130 121.6 0.0 322.8



#23
tert-Butyl Alcohol
Concen: 0.481 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN077347.D
Acq: 14 Apr 2023 12:41

Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.355 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN077347.D

Acq: 14 Apr 2023 12:41

Instrument :

MSVOA_N

ClientSampleId :

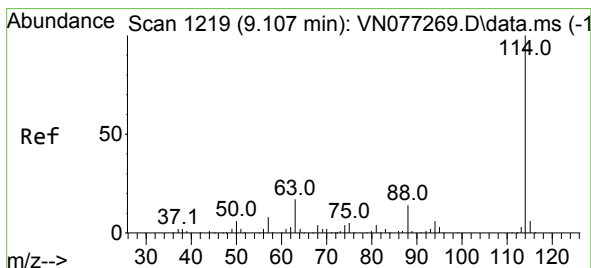
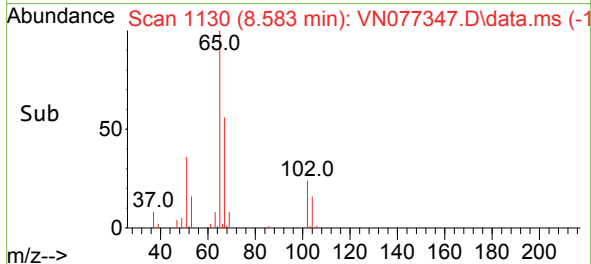
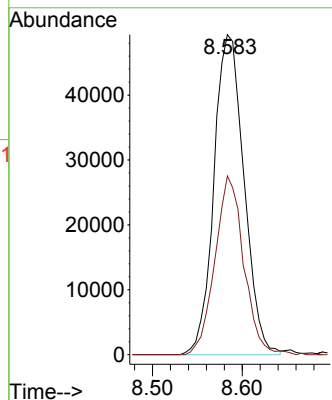
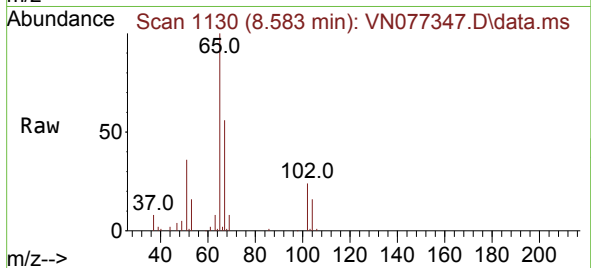
IBLK

Tgt Ion: 65 Resp: 114683

Ion Ratio Lower Upper

65 100

67 53.1 41.8 62.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077347.D

Acq: 14 Apr 2023 12:41

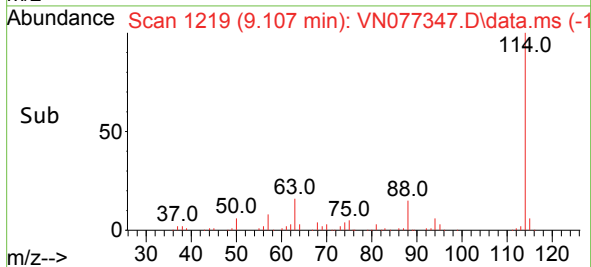
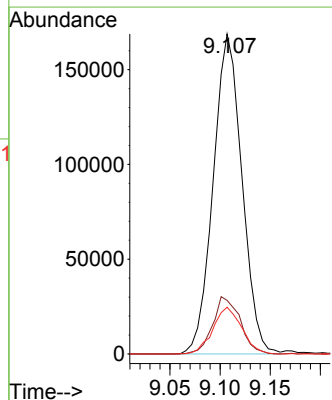
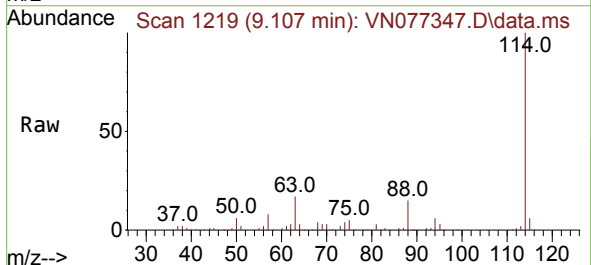
Tgt Ion: 114 Resp: 336920

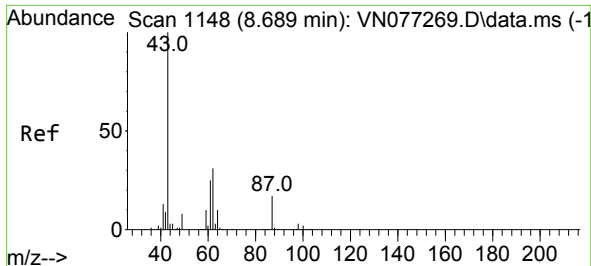
Ion Ratio Lower Upper

114 100

63 17.1 15.0 22.4

88 14.6 11.9 17.9

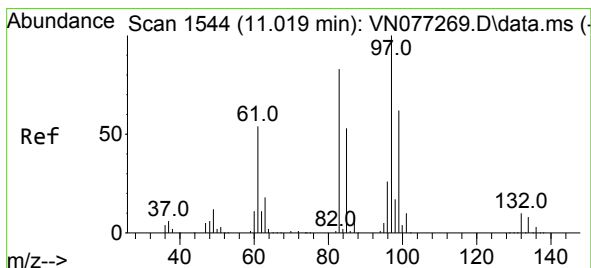
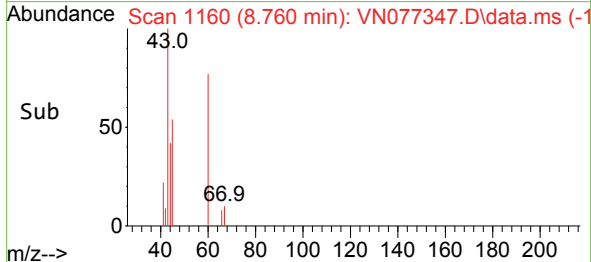
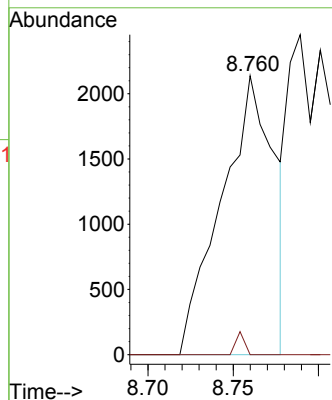
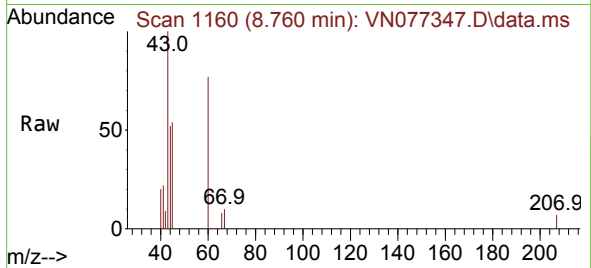




#44
Isopropyl Acetate
Concen: 0.401 ug/l
RT: 8.760 min Scan# 1148
Delta R.T. 0.071 min
Lab File: VN077347.D
Acq: 14 Apr 2023 12:41

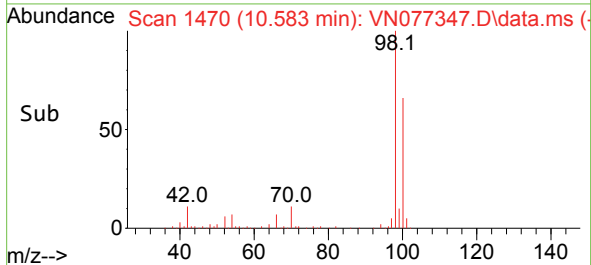
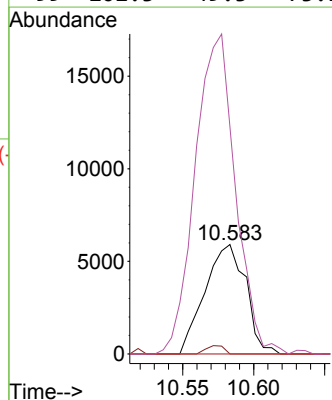
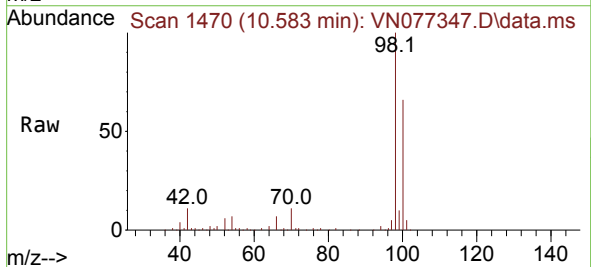
Instrument :
MSVOA_N
ClientSampleId :
IBLK

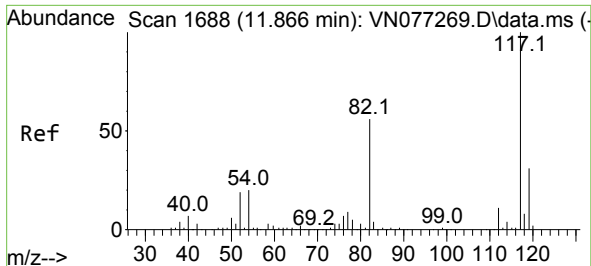
Tgt Ion: 43 Resp: 4590
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0



#50
1,1,2-Trichloroethane
Concen: 2.013 ug/l
RT: 10.583 min Scan# 1470
Delta R.T. -0.436 min
Lab File: VN077347.D
Acq: 14 Apr 2023 12:41

Tgt Ion: 97 Resp: 11813
Ion Ratio Lower Upper
97 100
83 0.0 66.7 100.1#
85 0.0 42.4 63.6#
99 202.3 49.3 73.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN077347.D

Acq: 14 Apr 2023 12:41

Instrument :

MSVOA_N

ClientSampleId :

IBLK

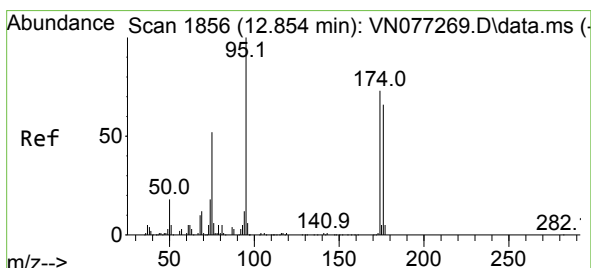
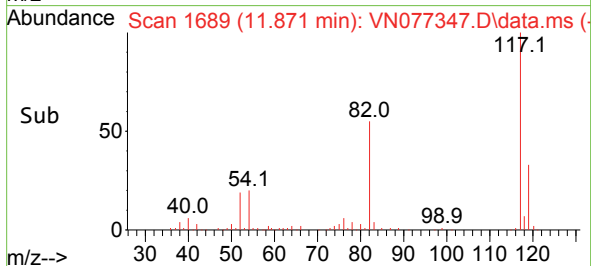
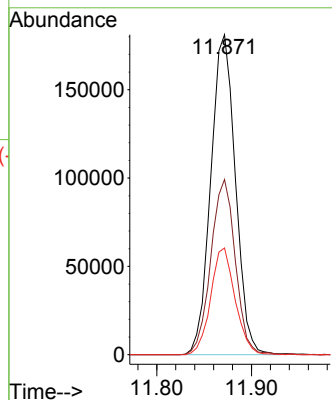
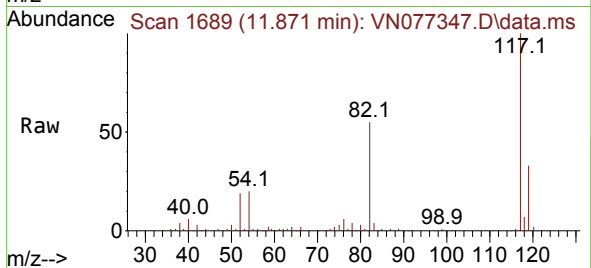
Tgt Ion:117 Resp: 327693

Ion Ratio Lower Upper

117 100

82 54.3 43.8 65.8

119 33.1 25.4 38.0



#60

4-Bromofluorobenzene

Concen: 26.135 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VN077347.D

Acq: 14 Apr 2023 12:41

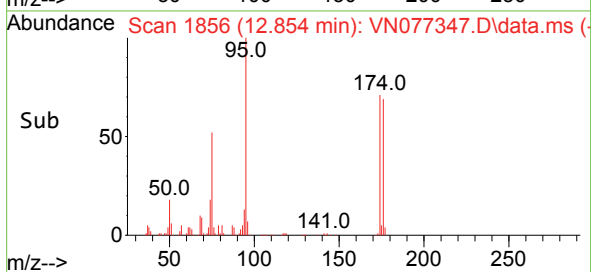
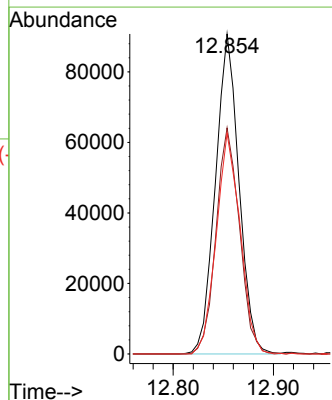
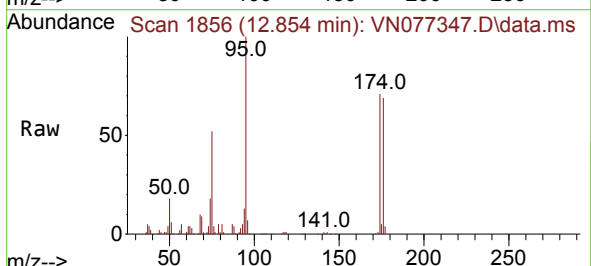
Tgt Ion: 95 Resp: 148090

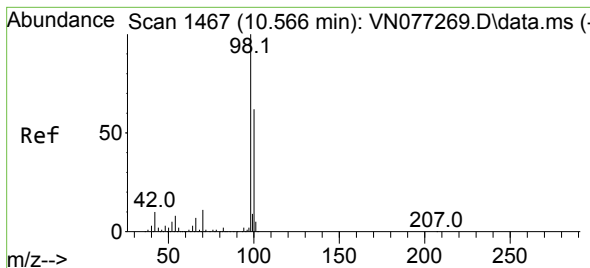
Ion Ratio Lower Upper

95 100

174 70.4 57.8 86.8

176 69.8 54.6 81.8





#63

Toluene-d8

Concen: 31.630 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077347.D

Acq: 14 Apr 2023 12:41

Instrument :

MSVOA_N

ClientSampleId :

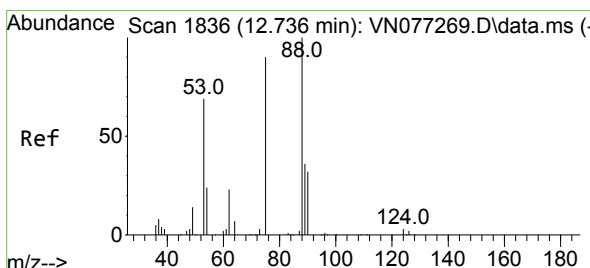
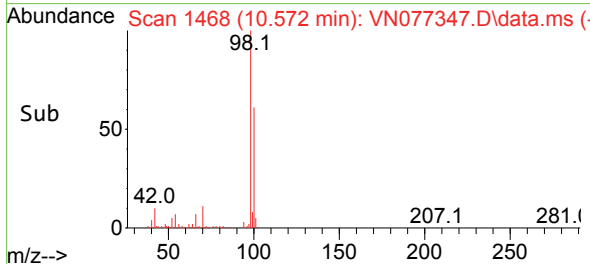
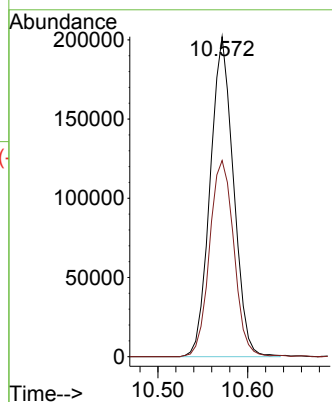
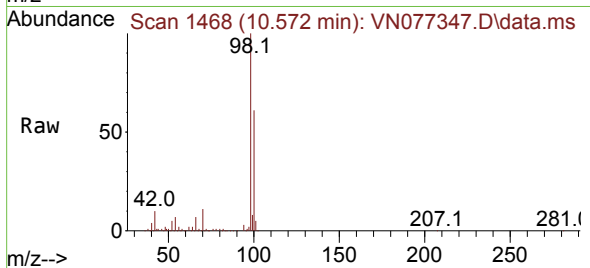
IBLK

Tgt Ion: 98 Resp: 364372

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.2



#77

t-1,4-Dichloro-2-butene

Concen: 29.741 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN077347.D

Acq: 14 Apr 2023 12:41

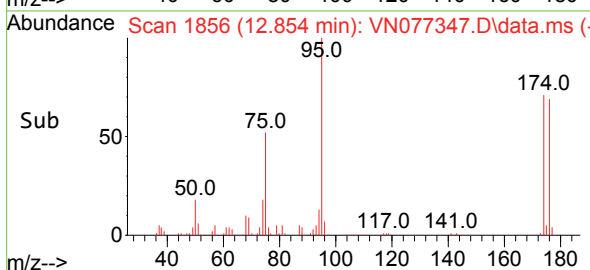
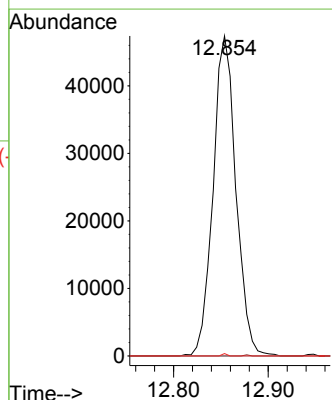
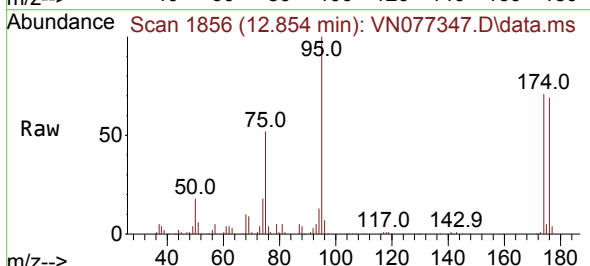
Tgt Ion: 75 Resp: 79493

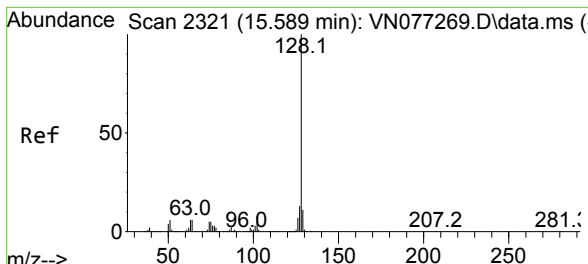
Ion Ratio Lower Upper

75 100

53 0.0 38.8 116.4#

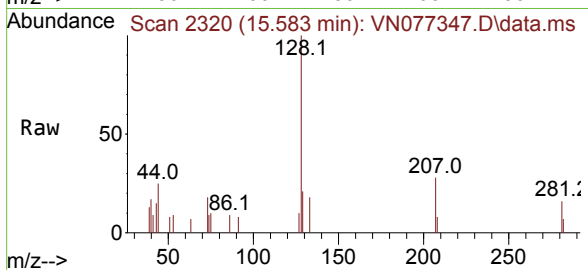
89 0.7 23.2 69.6#





#91
Naphthalene
Concen: 0.294 ug/l
RT: 15.583 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN077347.D
Acq: 14 Apr 2023 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:128 Resp: 4206
Ion Ratio Lower Upper
128 100
127 4.4 10.2 15.2#
129 11.6 8.9 13.3

