

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070038.D
 Acq On : 13 Dec 2021 17:45
 Operator : JC/MD
 Sample : M4929-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 6NINF1221

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Amit Patel 12/15/2021

Quant Time: Dec 14 05:28:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	151712	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	812135	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	711354	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	414104	30.800	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.667%
60) 4-Bromofluorobenzene	12.734	95	291404	24.895	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.000%
63) Toluene-d8	10.443	98	1000118	30.424	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.400%
Target Compounds						
					Qvalue	
15) Acetone	4.301	58	49509m	22.165	ug/l	
20) Diisopropyl ether	6.501	45	72073	1.933	ug/l #	87
23) tert-Butyl Alcohol	5.382	59	698598	359.014	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	705898	22.968	ug/l	97
30) 2-Butanone	7.348	43	39780	4.135	ug/l #	69
34) Benzene	8.461	78	142886	3.456	ug/l #	63
70) Isopropylbenzene	12.578	105	9209	0.209	ug/l	98
91) Naphthalene	15.509	128	11841	8.438	ug/l #	80

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

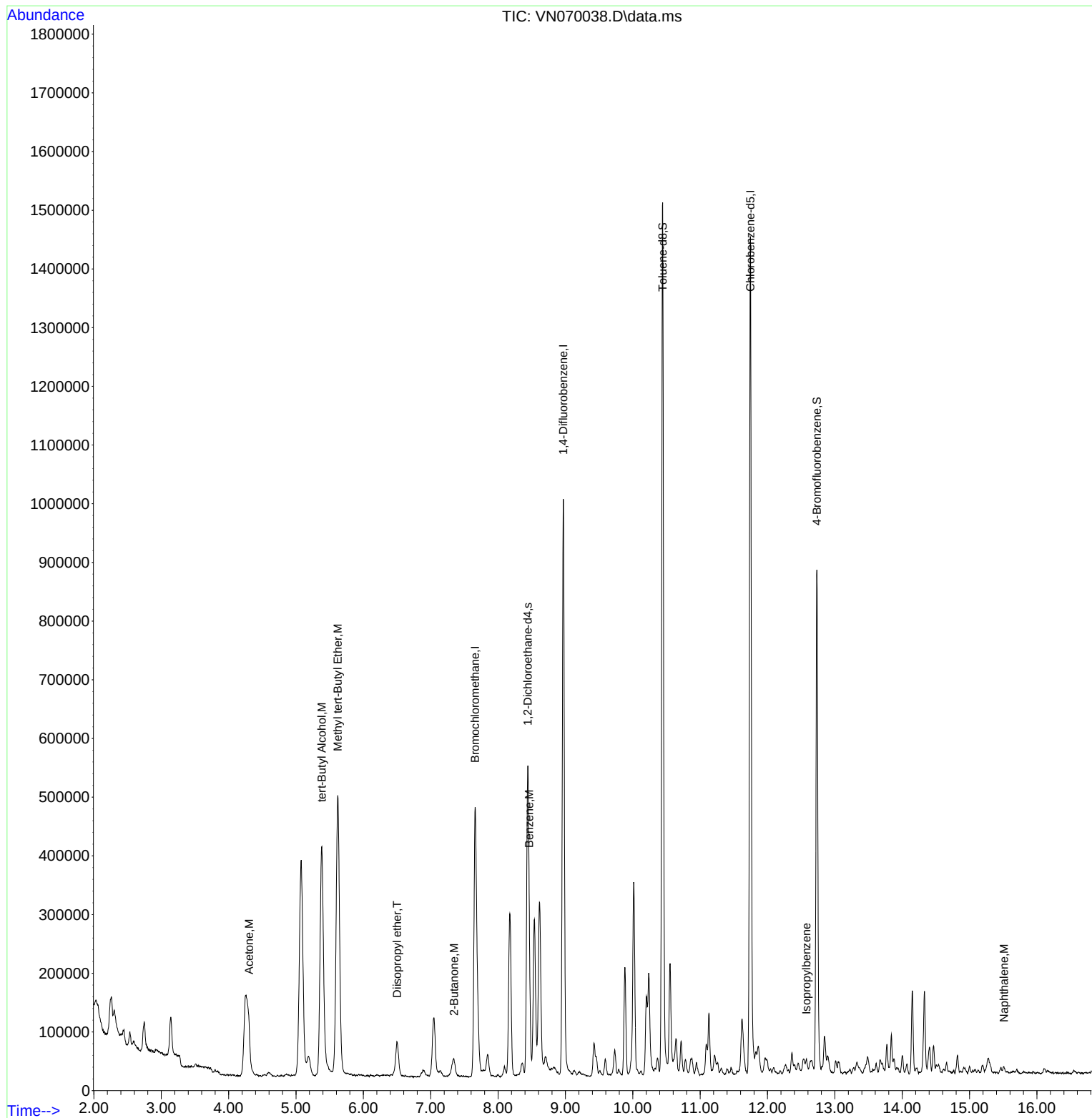
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

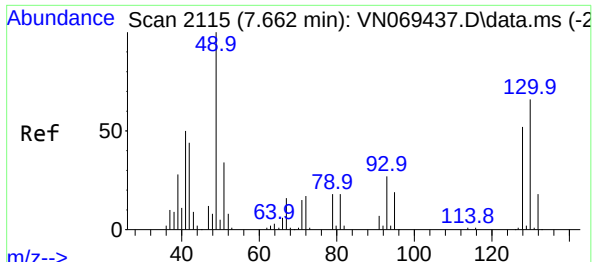
Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

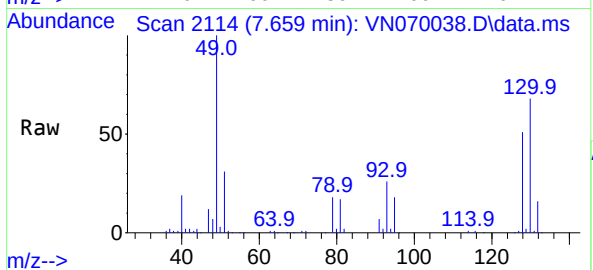
Quant Time: Dec 14 05:28:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 14 00:59:04 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2115
Delta R.T. 0.002 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

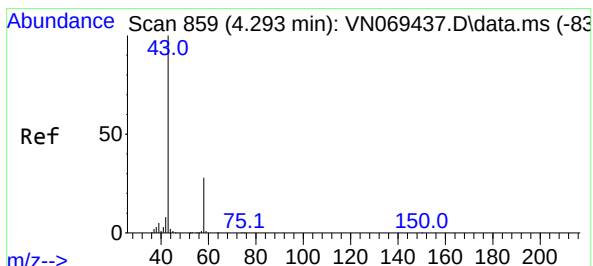
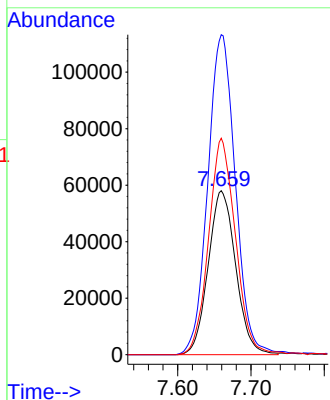
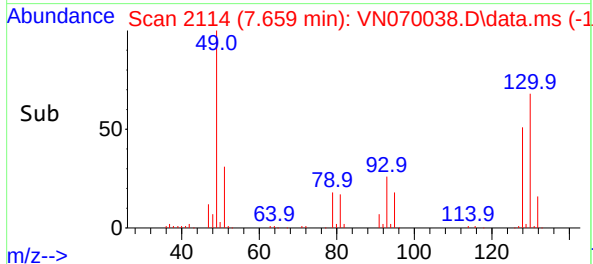
Instrument :
MSVOA_N
ClientSampleId :
6NINF1221



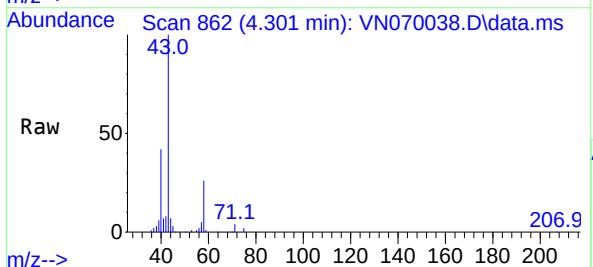
Tgt Ion:128 Resp: 15171
Ion Ratio Lower Upper
128 100
49 194.7 0.0 392.3
130 128.5 0.0 320.2

Manual Integrations
APPROVED

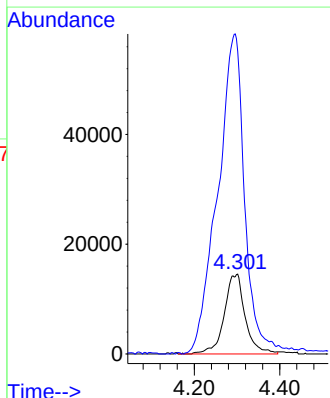
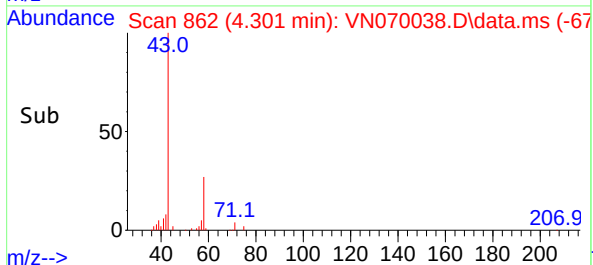
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

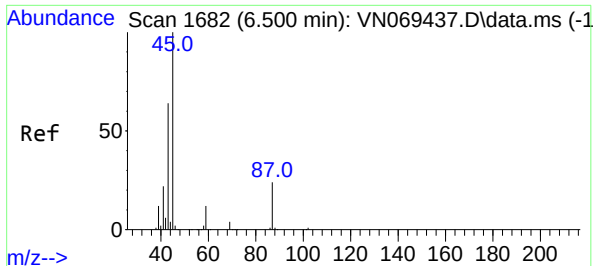


#15
Acetone
Concen: 22.165 ug/l m
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45



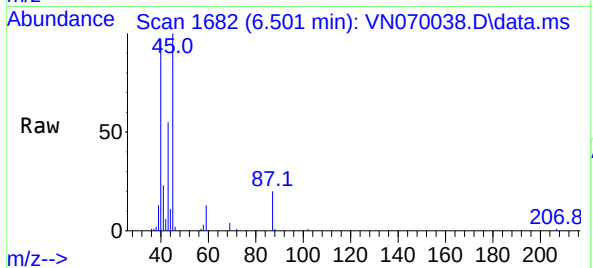
Tgt Ion: 58 Resp: 49509
Ion Ratio Lower Upper
58 100
43 378.6 256.6 384.8





#20
Diisopropyl ether
Concen: 1.933 ug/l
RT: 6.501 min Scan# 10
Delta R.T. 0.003 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

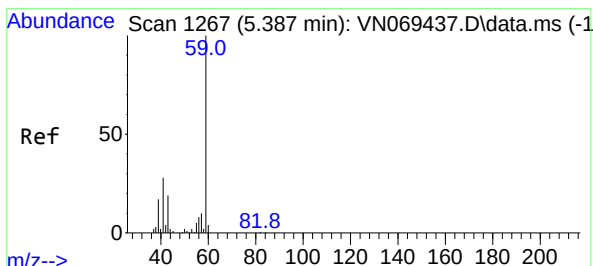
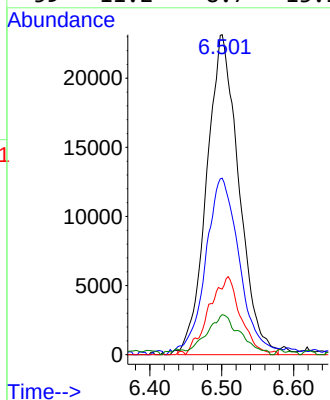
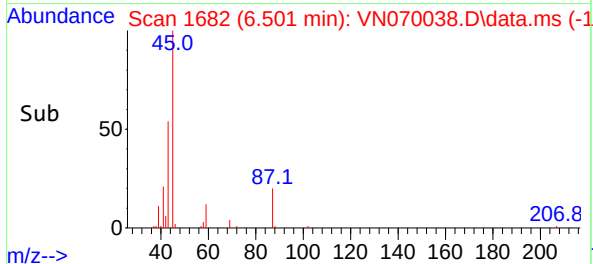
Instrument :
MSVOA_N
ClientSampleId :
6NINF1221



Tgt Ion: 45 Resp: 7207
Ion Ratio Lower Upper
45 100
43 53.9 51.0 76.4
87 20.7 25.0 37.4
59 11.2 8.7 13.1

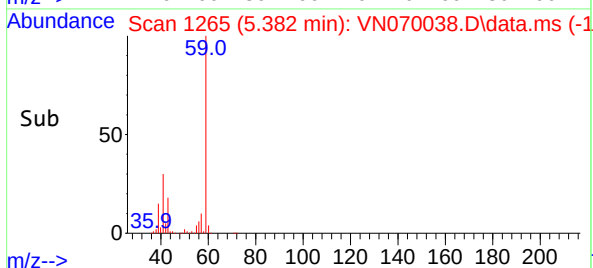
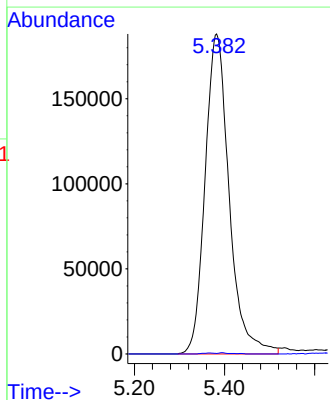
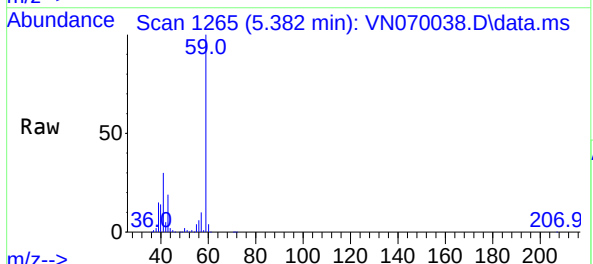
Manual Integrations
APPROVED

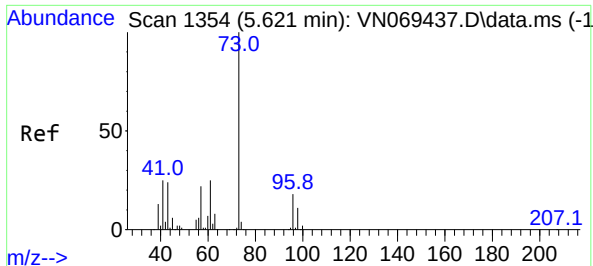
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#23
tert-Butyl Alcohol
Concen: 359.014 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. 0.008 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

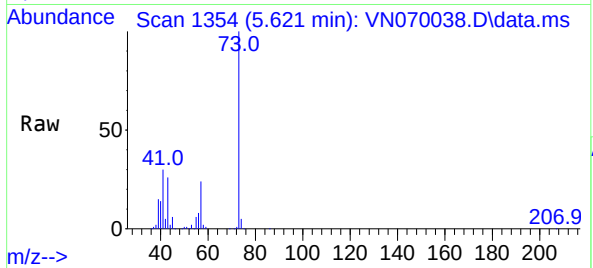
Tgt Ion: 59 Resp: 698598
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#





#24
Methyl tert-Butyl Ether
Concen: 22.968 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

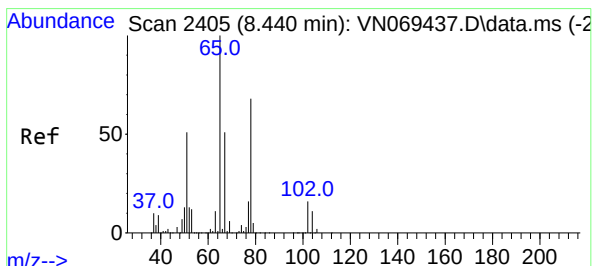
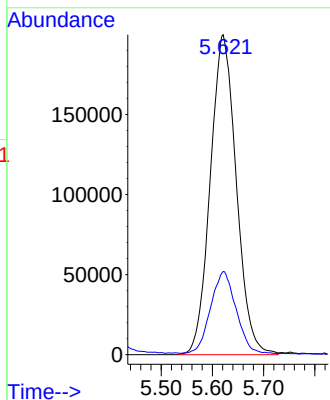
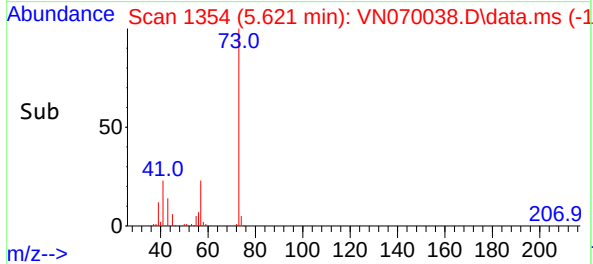
Instrument :
MSVOA_N
ClientSampleId :
6NINF1221



Tgt Ion: 73 Resp: 705898
Ion Ratio Lower Upper
73 100
43 24.2 18.1 27.1

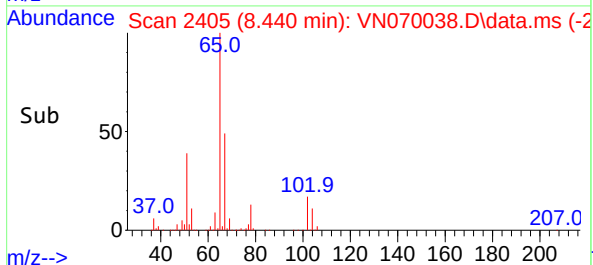
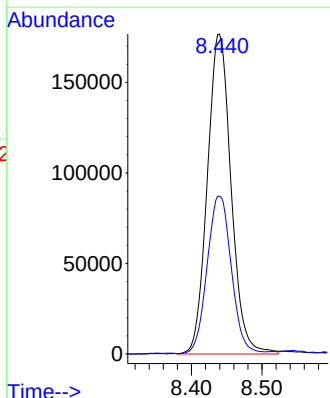
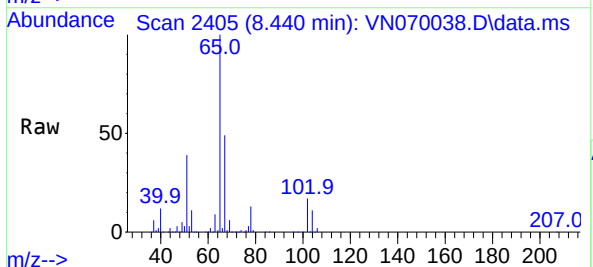
Manual Integrations
APPROVED

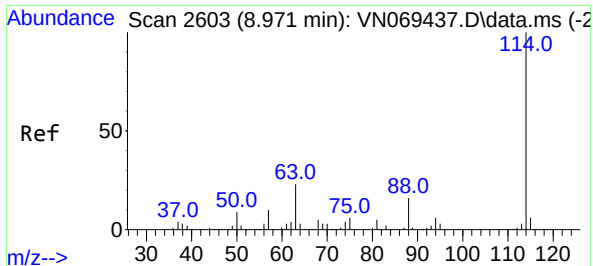
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#27
1,2-Dichloroethane-d4
Concen: 30.800 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

Tgt Ion: 65 Resp: 414104
Ion Ratio Lower Upper
65 100
67 50.0 40.2 60.2





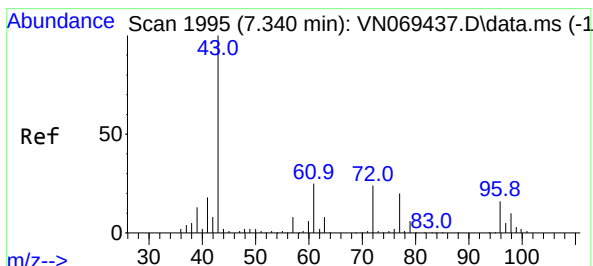
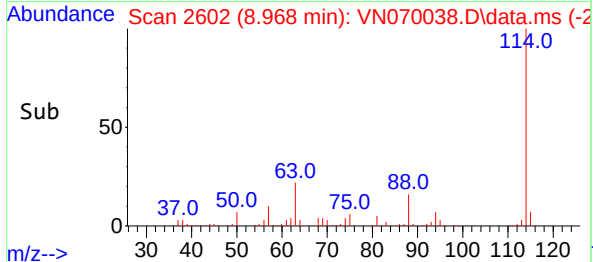
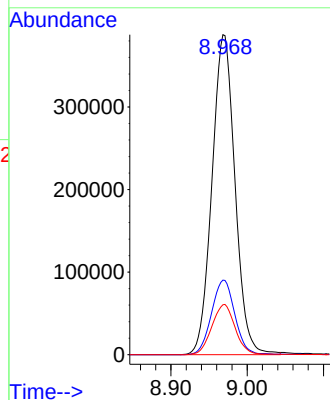
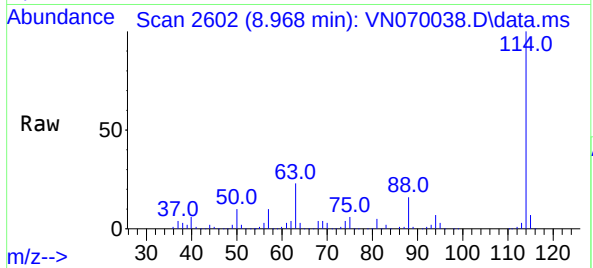
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

Instrument :
MSVOA_N
Client SampleId :
6NINF1221

Tgt Ion: 114 Resp: 812135
Ion Ratio Lower Upper
114 100
63 23.5 15.8 23.6
88 15.9 11.6 17.4

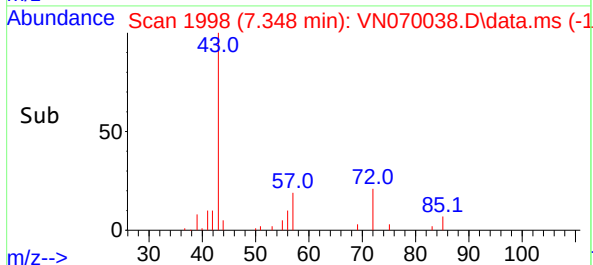
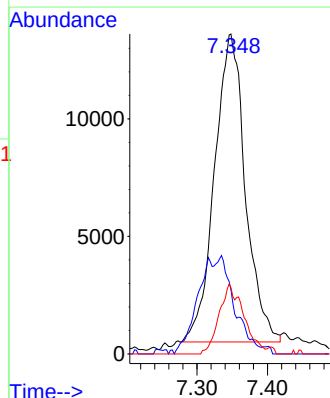
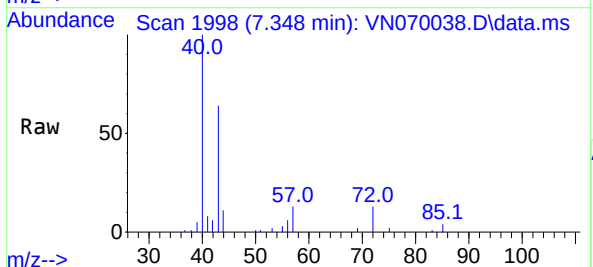
Manual Integrations
APPROVED

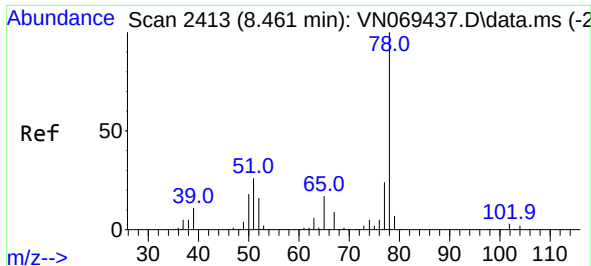
Reviewed By : John Carlone 12/14/2021
Supervised By : Amit Patel 12/15/2021



#30
2-Butanone
Concen: 4.135 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

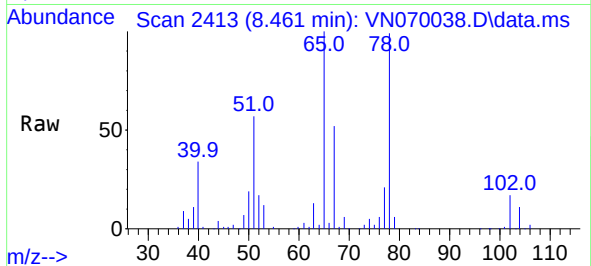
Tgt Ion: 43 Resp: 39780
Ion Ratio Lower Upper
43 100
57 15.9 6.7 10.1#
72 11.0 23.2 34.8#





#34
Benzene
Concen: 3.456 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

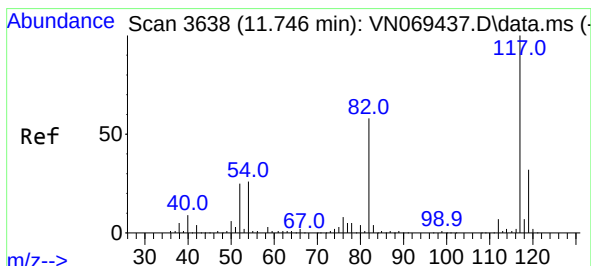
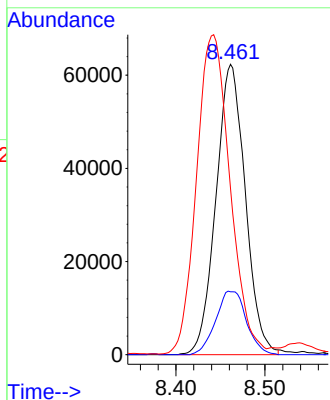
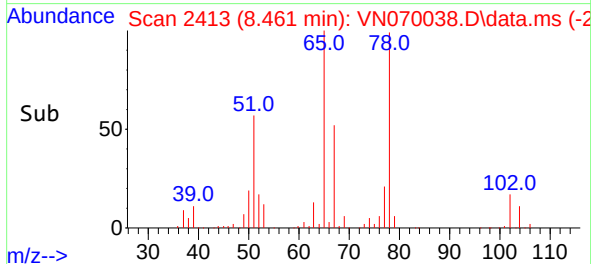
Instrument :
MSVOA_N
ClientSampleId :
6NINF1221



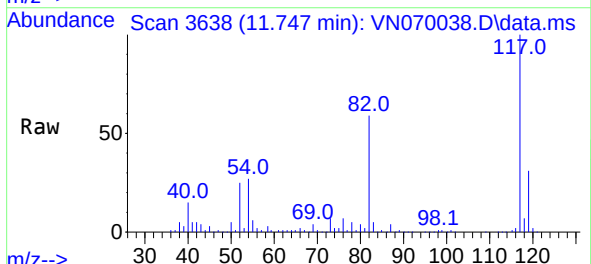
Tgt Ion: 78 Resp: 142880
Ion Ratio Lower Upper
78 100
77 21.6 19.1 28.7
51 55.0 16.0 24.0

Manual Integrations
APPROVED

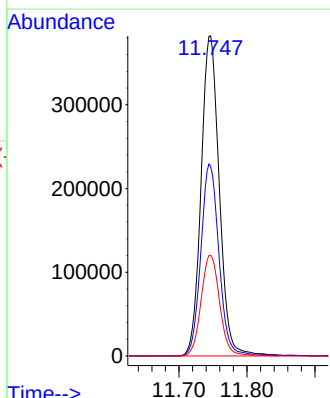
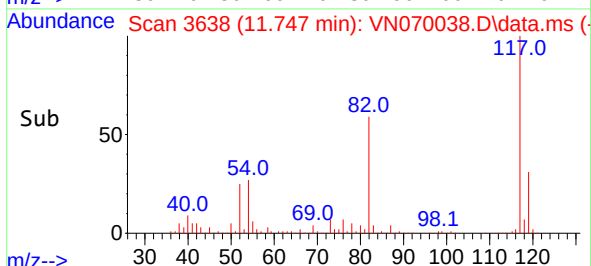
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

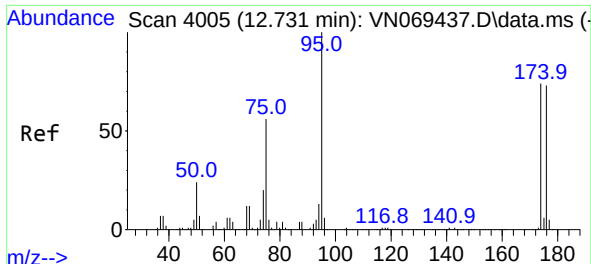


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45



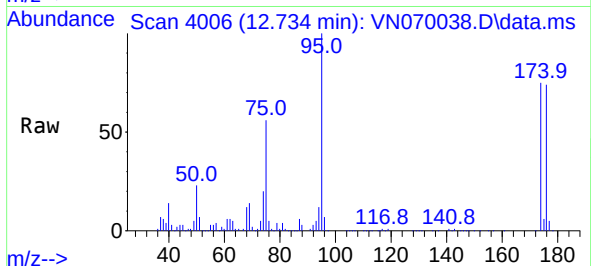
Tgt Ion:117 Resp: 711354
Ion Ratio Lower Upper
117 100
82 59.4 43.6 65.4
119 32.0 25.8 38.6





#60
4-Bromofluorobenzene
Concen: 24.895 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

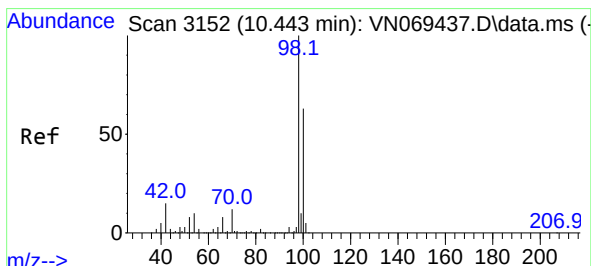
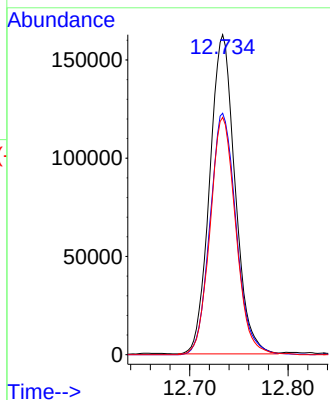
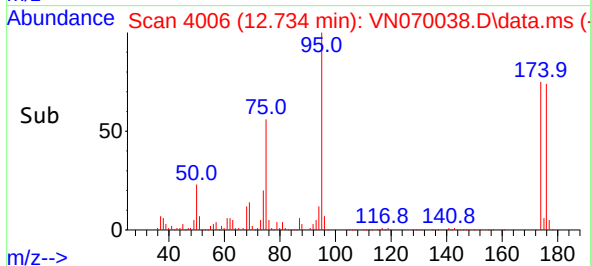
Instrument :
MSVOA_N
ClientSampleId :
6NINF1221



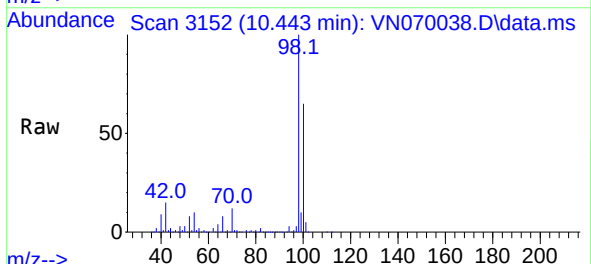
Tgt Ion: 95 Resp: 291404
Ion Ratio Lower Upper
95 100
174 78.1 62.9 94.3
176 75.3 61.0 91.4

Manual Integrations
APPROVED

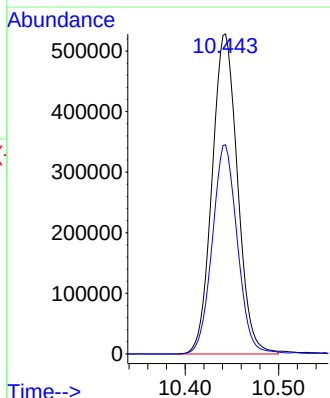
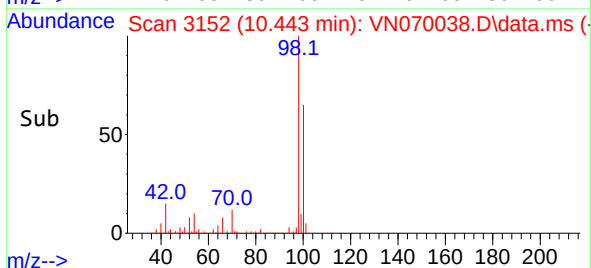
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

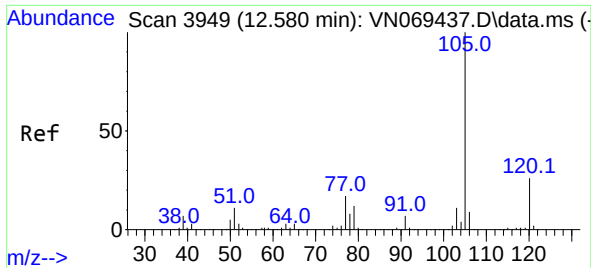


#63
Toluene-d8
Concen: 30.424 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45



Tgt Ion: 98 Resp: 1000118
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0





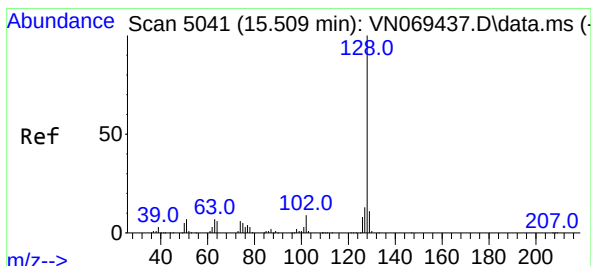
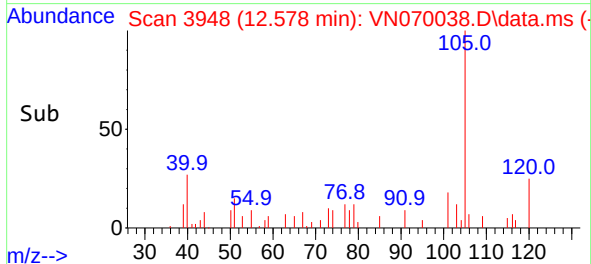
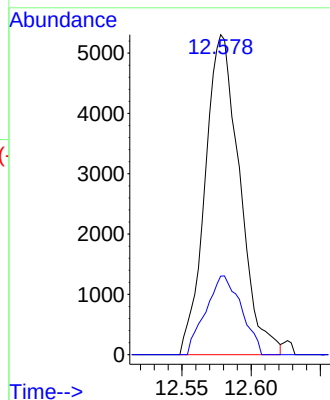
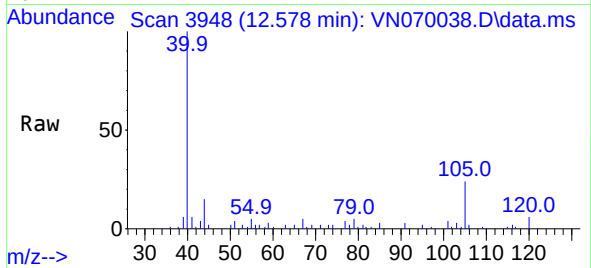
#70
Isopropylbenzene
Concen: 0.209 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Tgt Ion:105 Resp: 9209
Ion Ratio Lower Upper
105 100
120 25.3 18.3 34.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#91
Naphthalene
Concen: 8.438 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070038.D
Acq: 13 Dec 2021 17:45

Tgt Ion:128 Resp: 11841
Ion Ratio Lower Upper
128 100
127 3.5 10.7 16.1#
129 6.0 9.0 13.6#

