

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073082.D
 Acq On : 24 Jun 2022 14:22
 Operator : JC\MD
 Sample : N3376-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220615003-01-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 23:34:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:54:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.587	128	41220	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.898	114	233586	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.681	117	200907	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	120427	30.307	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.033%			
60) 4-Bromofluorobenzene	12.669	95	110380	28.716	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.733%			
63) Toluene-d8	10.375	98	334325	30.730	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.433%			
Target Compounds						
					Qvalue	
15) Acetone	4.234	58	5773	9.294	ug/l	72
17) Allyl chloride	4.728	41	12055	2.238	ug/l #	32
23) tert-Butyl Alcohol	5.287	59	1532494	1666.614	ug/l #	100
30) 2-Butanone	7.245	43	66633	20.487	ug/l #	71
31) 2,2-Dichloropropane	7.234	77	78476	37.962	ug/l #	53
45) 1,4-Dioxane	9.504	88	3951	46.885	ug/l #	76
47) n-amyl Acetate	12.763	43	1728	0.228	ug/l	95
58) 4-Methyl-2-Pentanone	10.269	43	11676	1.998	ug/l #	80
62) Toluene	10.439	91	13146	0.984	ug/l	97
67) m/p-Xylenes	11.886	106	1688m	0.306	ug/l	
68) o-Xylene	12.210	106	1239	0.222	ug/l	99
70) Isopropylbenzene	12.516	105	3048	0.214	ug/l	89
91) Naphthalene	15.433	128	4361	0.347	ug/l #	87

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

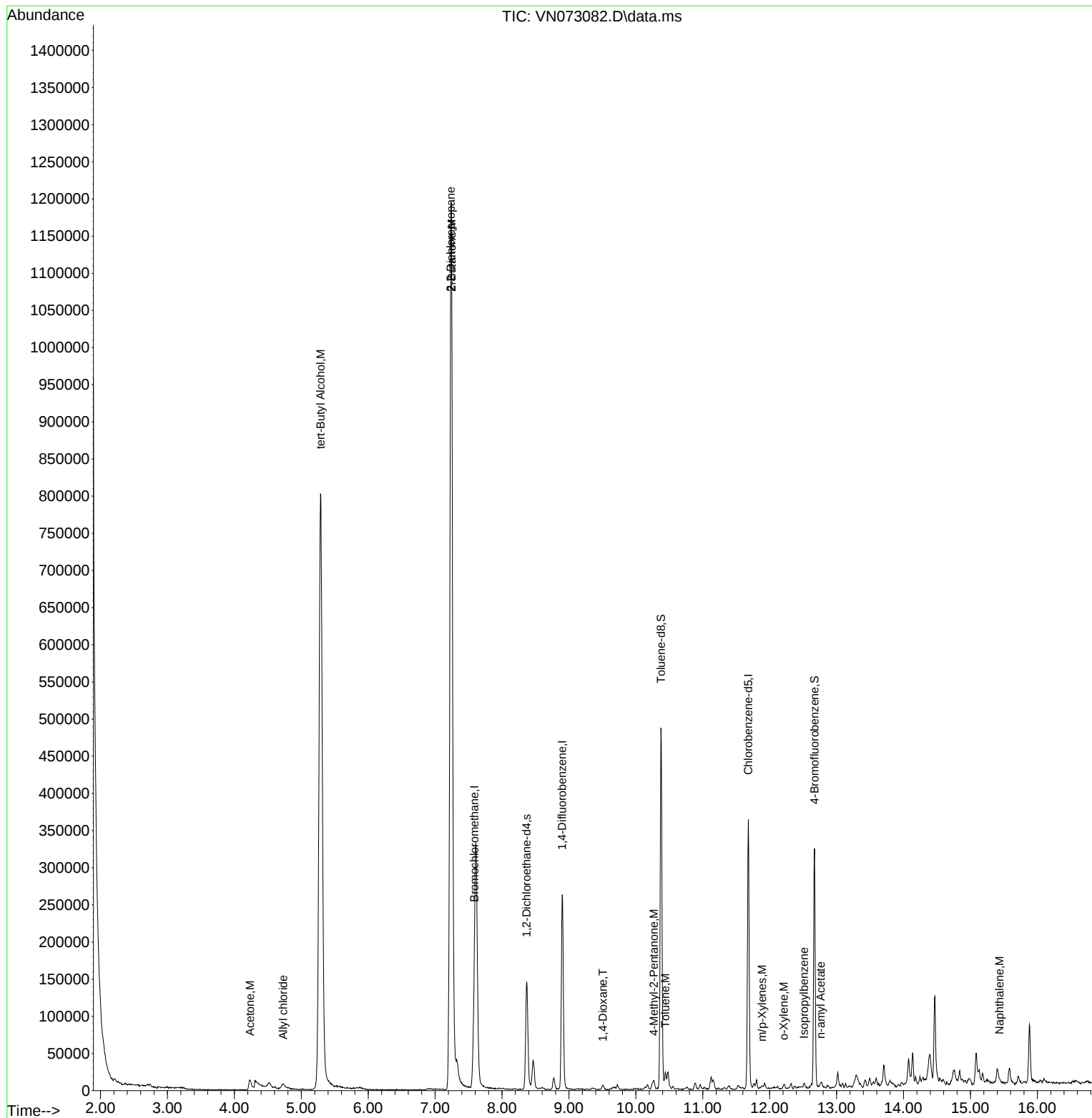
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
Data File : VN073082.D
Acq On : 24 Jun 2022 14:22
Operator : JC\MD
Sample : N3376-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

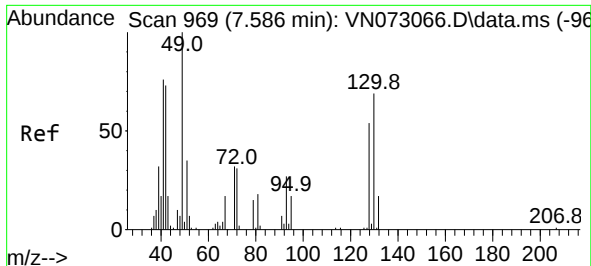
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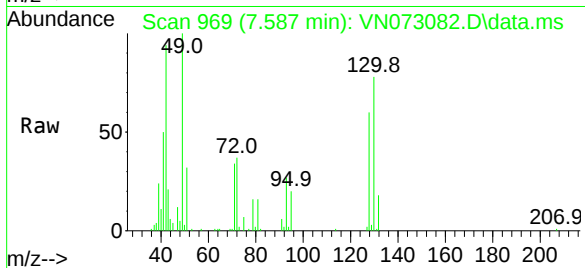
Quant Time: Jun 24 23:34:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 24 04:54:59 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 90
Delta R.T. 0.001 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

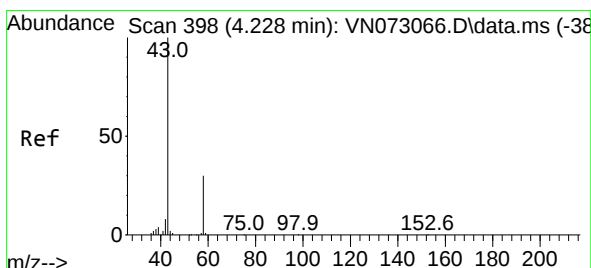
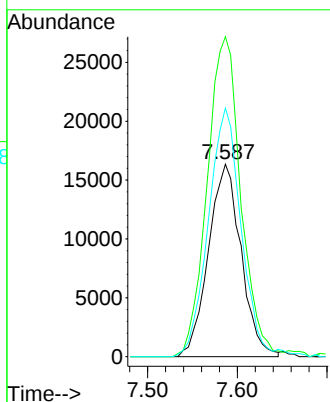
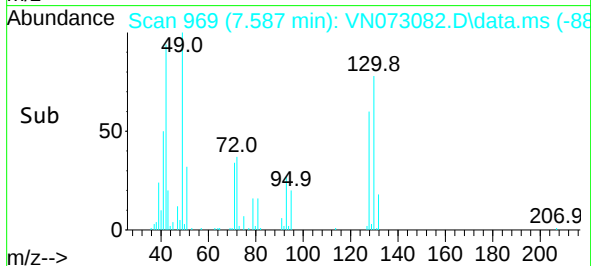
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MSVOA_N
ClientSampleId :
220615003-01-VOA



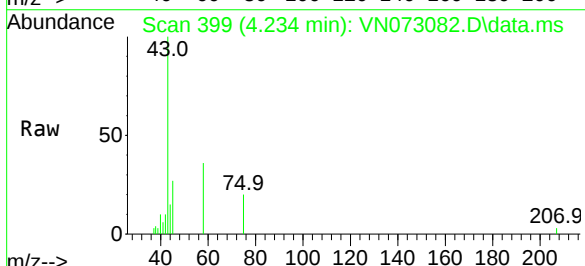
Tgt Ion:128 Resp: 41220
Ion Ratio Lower Upper
128 100
49 171.0 0.0 392.3
130 128.6 0.0 320.2

Manual Integrations
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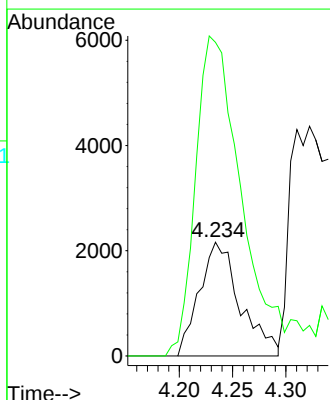
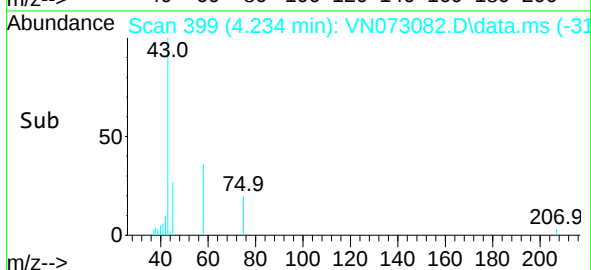
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

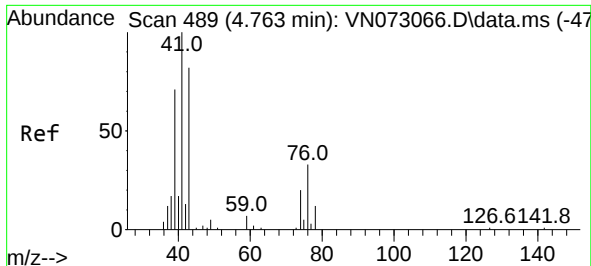


#15
Acetone
Concen: 9.294 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22



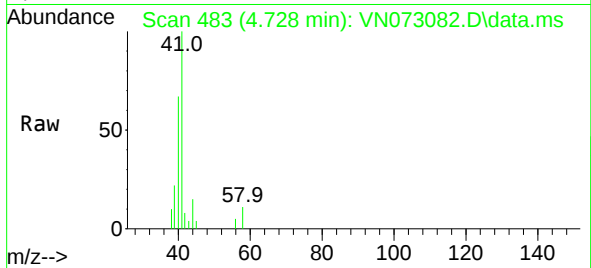
Tgt Ion: 58 Resp: 5773
Ion Ratio Lower Upper
58 100
43 263.2 256.6 384.8





#17
 Allyl chloride
 Concen: 2.238 ug/l
 RT: 4.728 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: VN073082.D
 Acq: 24 Jun 2022 14:22

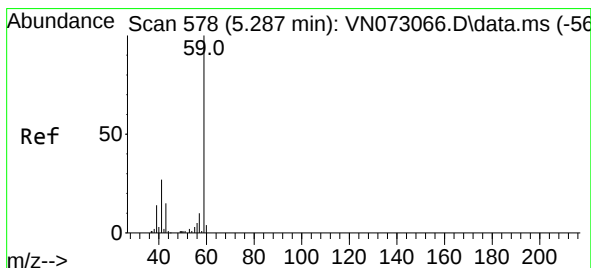
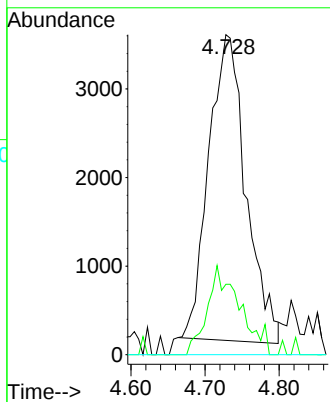
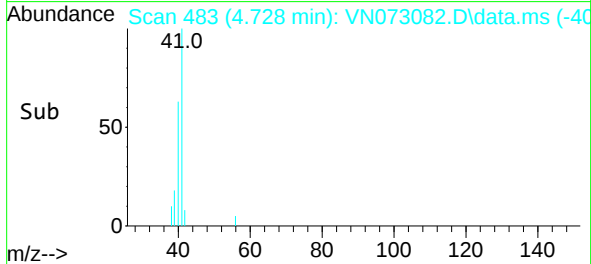
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 220615003-01-VOA



Tgt Ion: 41 Resp: 1205
 Ion Ratio Lower Upper
 41 100
 39 23.3 44.6 134.0
 76 0.0 19.6 58.7

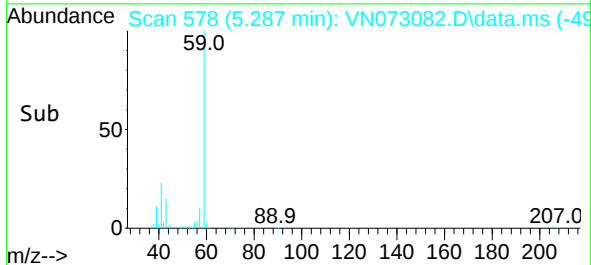
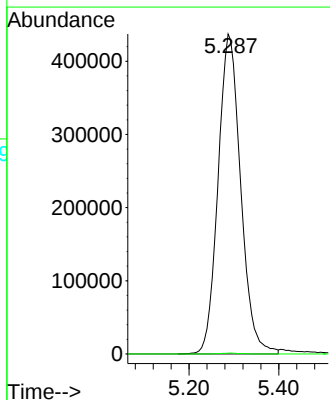
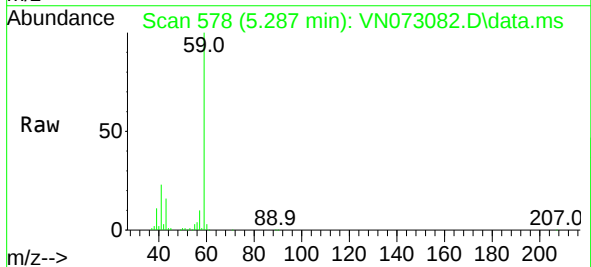
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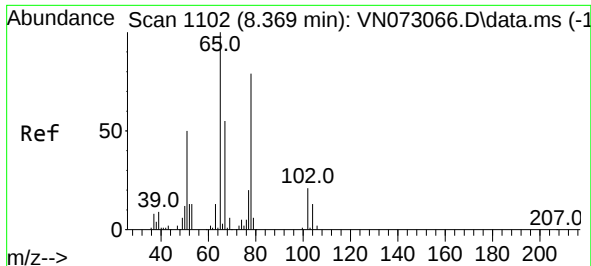
Reviewed By :John Carlone 06/25/2022
 Supervised By :Mahesh Dadoda 06/28/2022



#23
 tert-Butyl Alcohol
 Concen: 1666.614 ug/l
 RT: 5.287 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: VN073082.D
 Acq: 24 Jun 2022 14:22

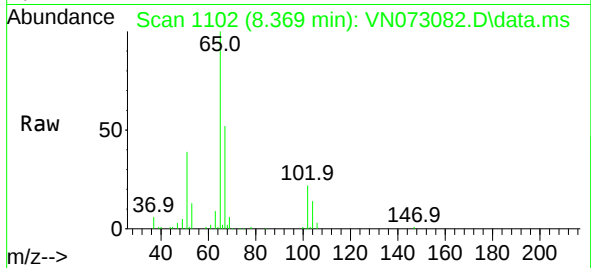
Tgt Ion: 59 Resp: 1532494
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0





#27
1,2-Dichloroethane-d4
Concen: 30.307 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

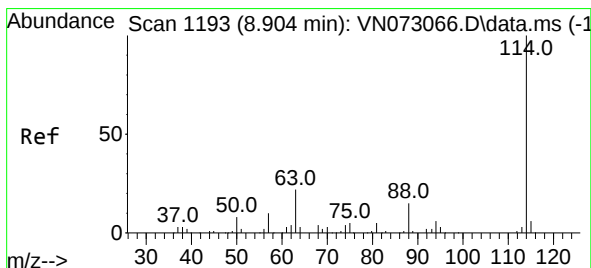
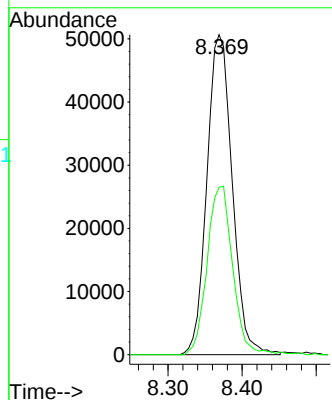
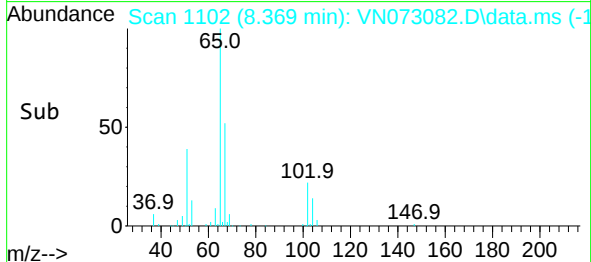
Instrument :
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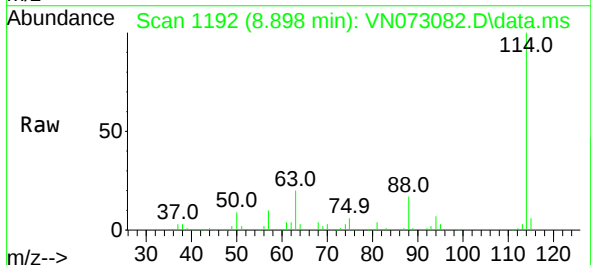
Tgt Ion: 65 Resp: 12042
Ion Ratio Lower Upper
65 100
67 52.2 40.2 60.2

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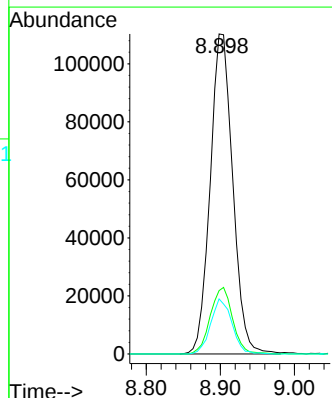
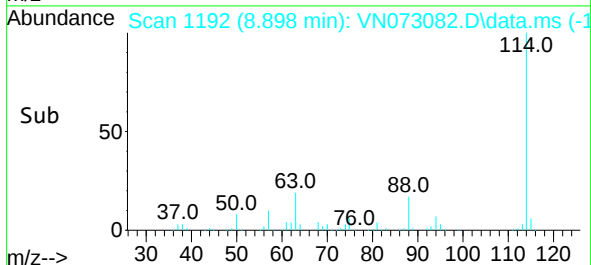
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

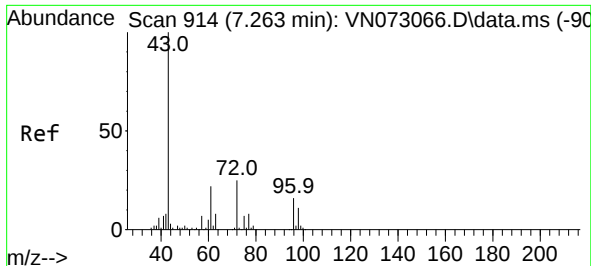


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22



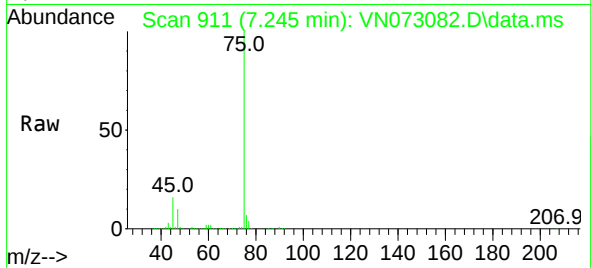
Tgt Ion:114 Resp: 233586
Ion Ratio Lower Upper
114 100
63 20.6 15.8 23.6
88 16.1 11.6 17.4





#30
2-Butanone
Concen: 20.487 ug/l
RT: 7.245 min Scan# 914
Delta R.T. -0.017 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

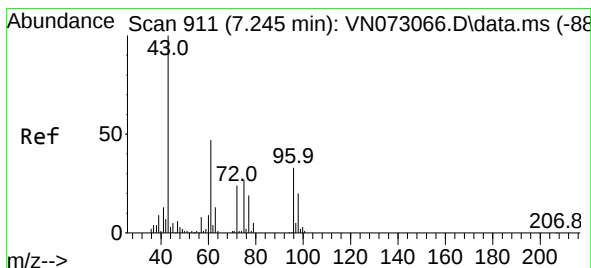
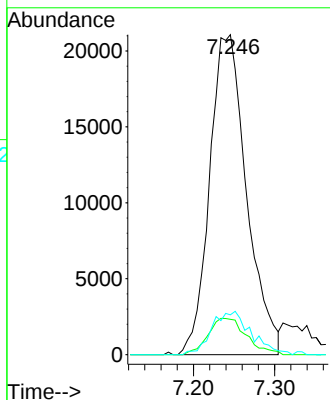
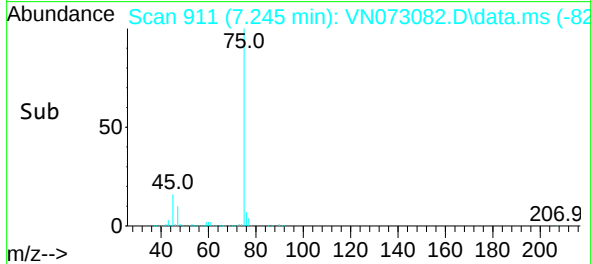
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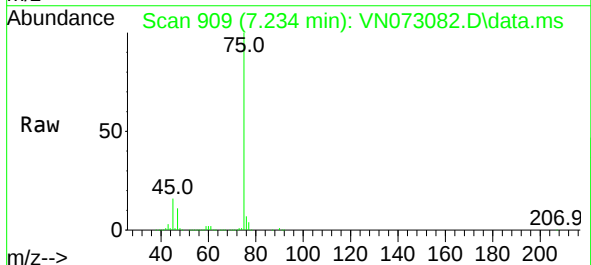
Tgt Ion: 43 Resp: 6663
Ion Ratio Lower Upper
43 100
57 11.8 6.7 10.1
72 10.7 23.2 34.8

Manual Integrations
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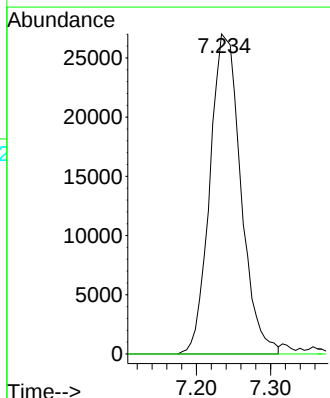
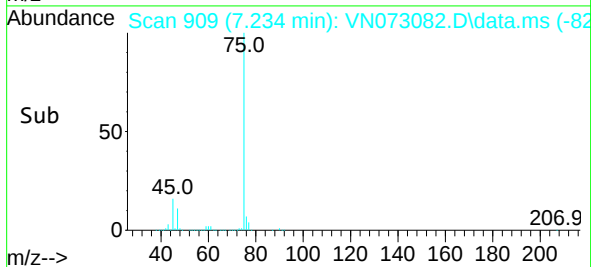
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

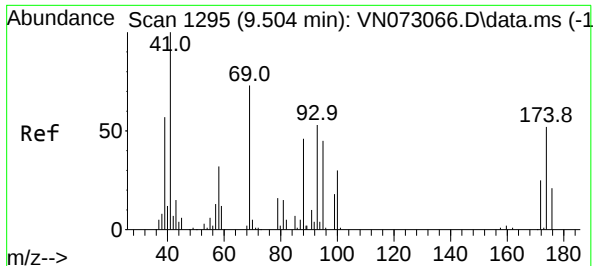


#31
2,2-Dichloropropane
Concen: 37.962 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.012 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22



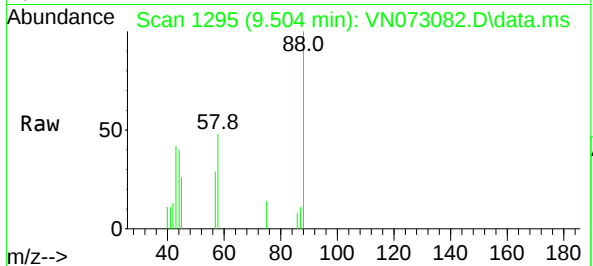
Tgt Ion: 77 Resp: 78476
Ion Ratio Lower Upper
77 100
97 0.0 18.3 27.5





#45
1,4-Dioxane
Concen: 46.885 ug/l
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

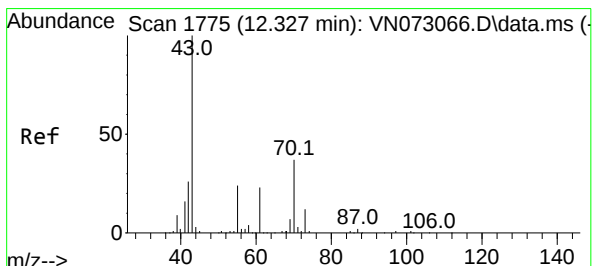
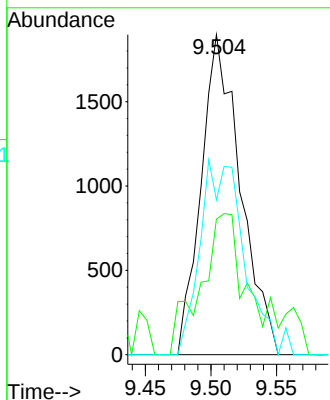
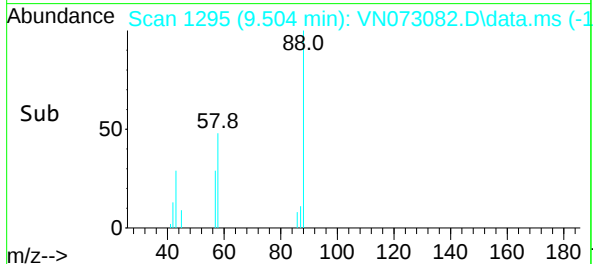
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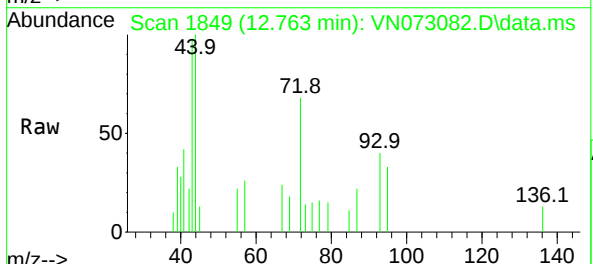
Tgt Ion: 88 Resp: 395
Ion Ratio Lower Upper
88 100
43 27.1 25.0 37.6
58 37.3 49.4 74.2

Manual Integrations
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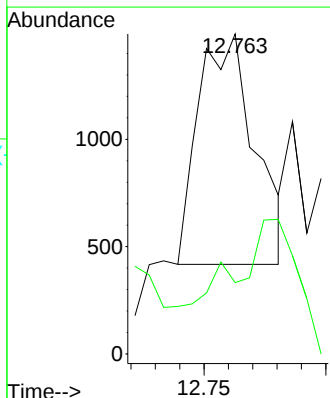
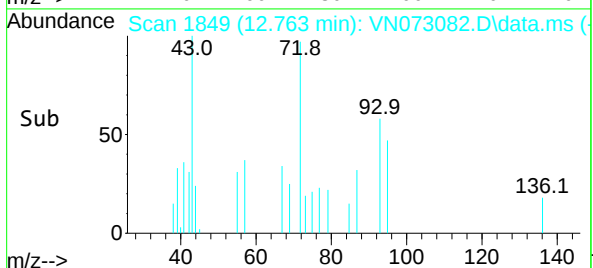
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

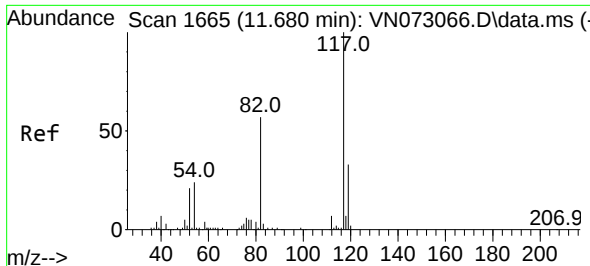


#47
n-amy1 Acetate
Concen: 0.228 ug/l
RT: 12.763 min Scan# 1849
Delta R.T. 0.435 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22



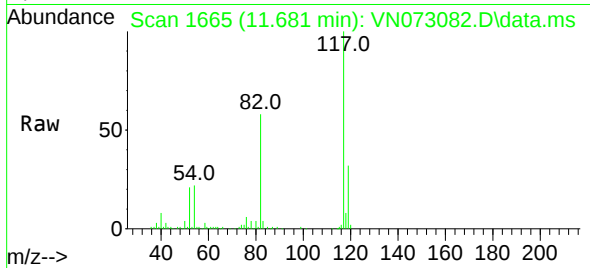
Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
55 26.1 19.0 28.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.681 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

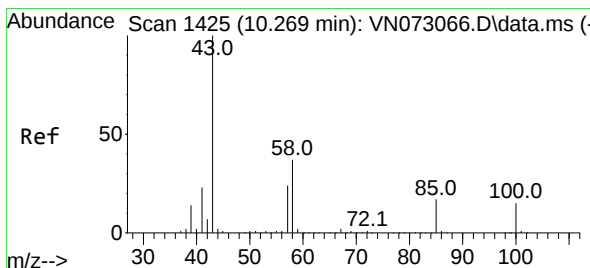
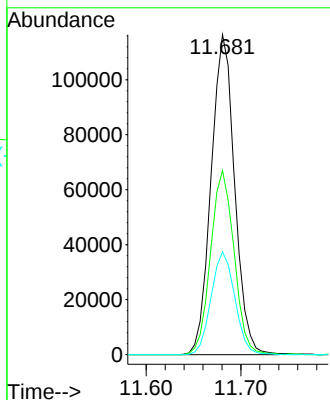
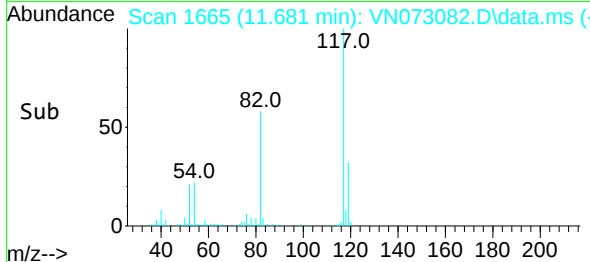
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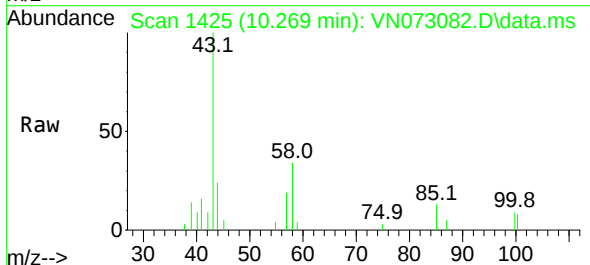
Tgt Ion: 117 Resp: 20090
Ion Ratio Lower Upper
117 100
82 57.4 43.6 65.4
119 32.4 25.8 38.6

Manual Integrations
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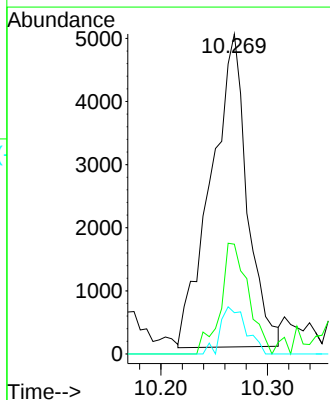
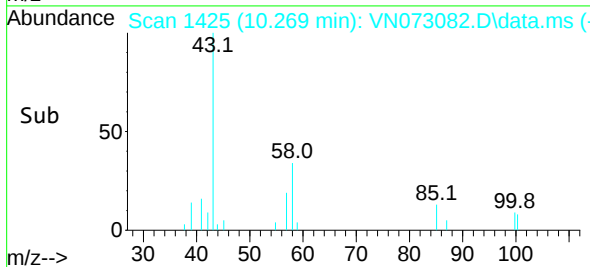
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

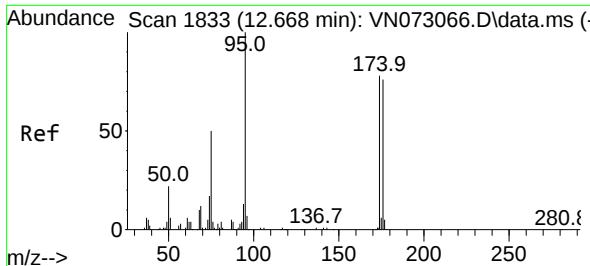


#58
4-Methyl-2-Pentanone
Concen: 1.998 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22



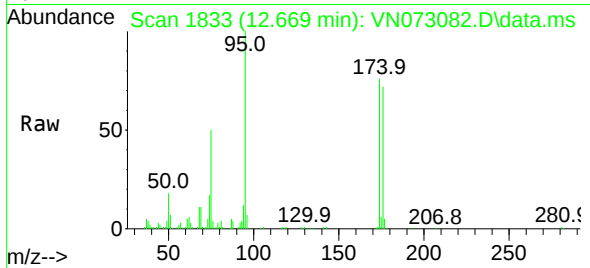
Tgt Ion: 43 Resp: 11676
Ion Ratio Lower Upper
43 100
58 25.4 30.0 45.0#
85 10.2 15.0 22.6#





#60
4-Bromofluorobenzene
Concen: 28.716 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

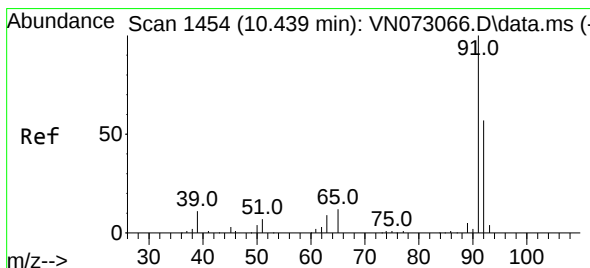
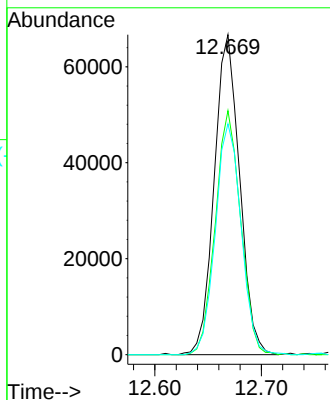
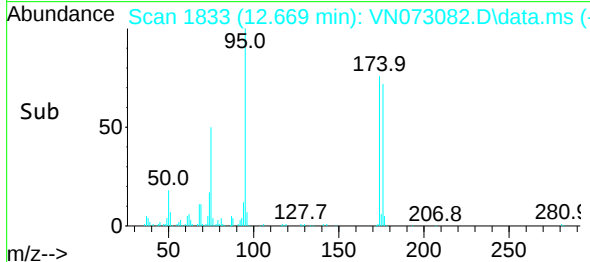
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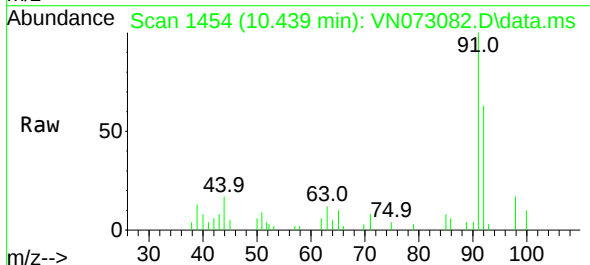
Tgt Ion: 95 Resp: 110380
Ion Ratio Lower Upper
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174 75.9 62.9 94.3
176 73.2 61.0 91.4

Manual Integrations
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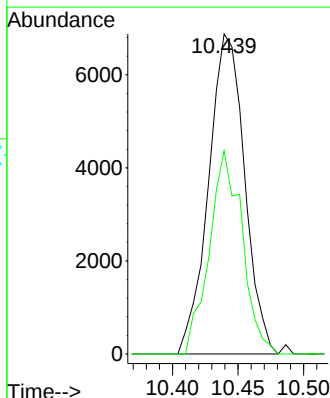
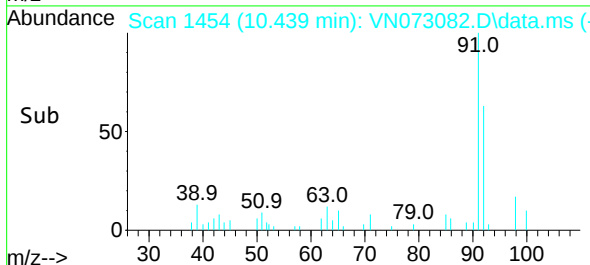
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

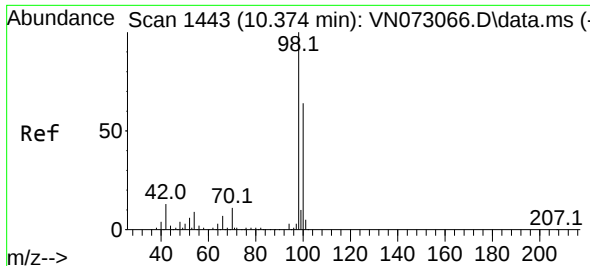


#62
Toluene
Concen: 0.984 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22



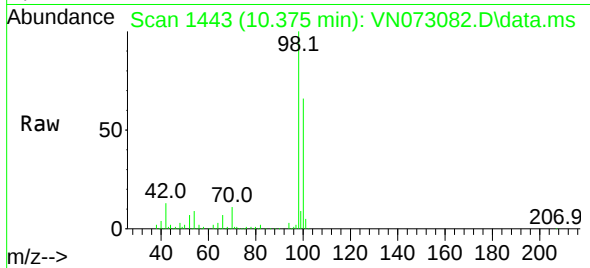
Tgt Ion: 91 Resp: 13146
Ion Ratio Lower Upper
91 100
92 57.9 44.6 67.0





#63
Toluene-d8
Concen: 30.730 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

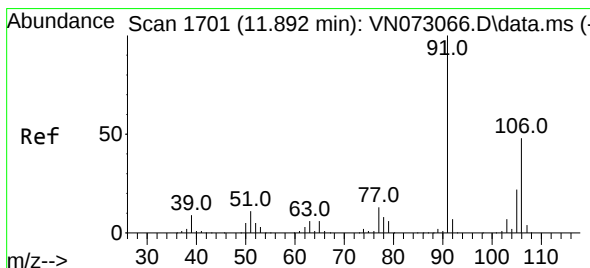
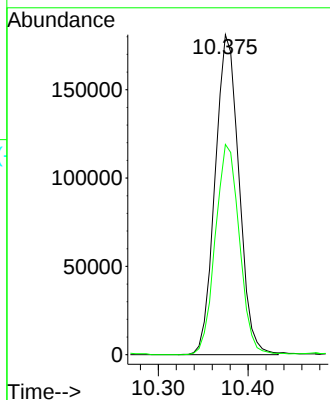
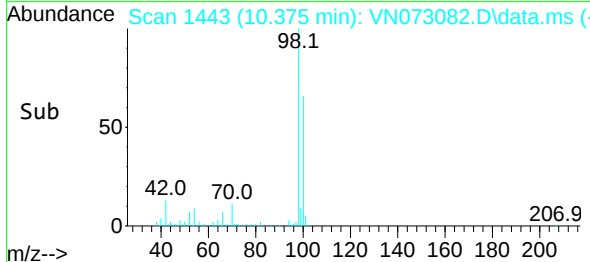
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA



Tgt Ion: 98 Resp: 334325
Ion Ratio Lower Upper
98 100
100 66.4 50.6 76.0

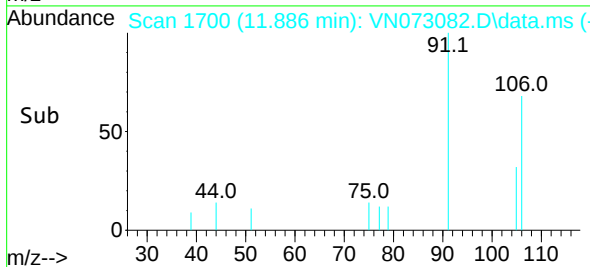
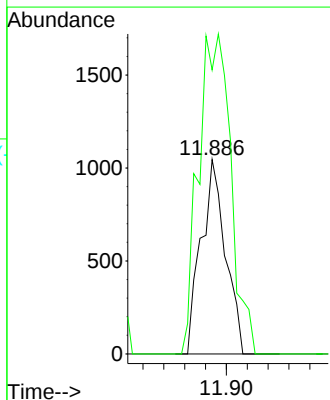
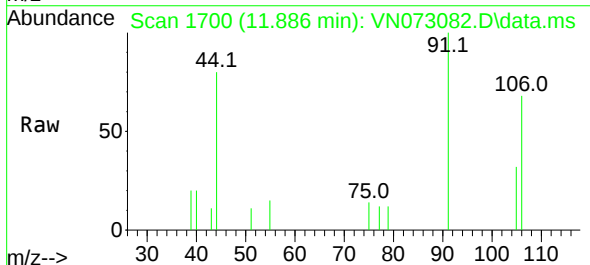
Manual Integrations
APPROVED

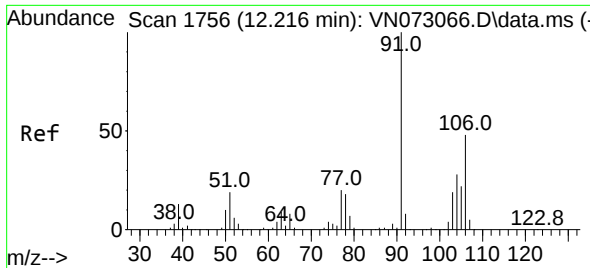
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#67
m/p-Xylenes
Concen: 0.306 ug/l m
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

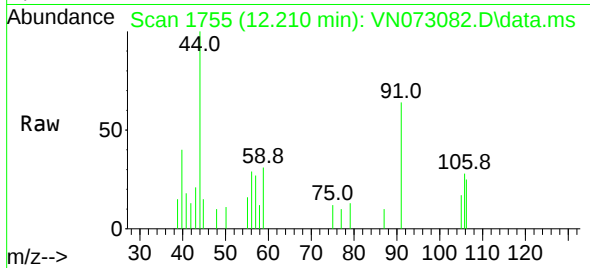
Tgt Ion:106 Resp: 1688
Ion Ratio Lower Upper
106 100
91 157.0 162.9 244.3#





#68
o-Xylene
Concen: 0.222 ug/l
RT: 12.210 min Scan# 1755
Delta R.T. -0.006 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

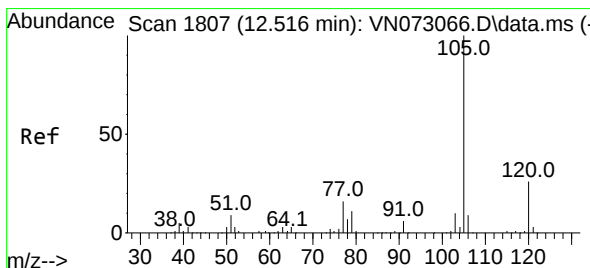
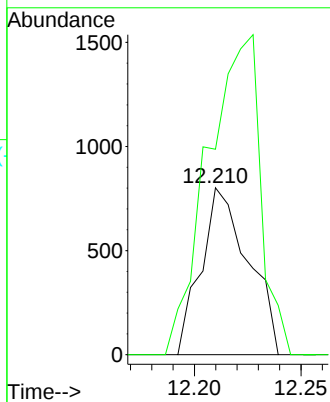
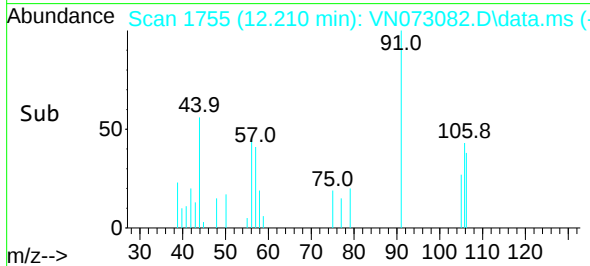
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA



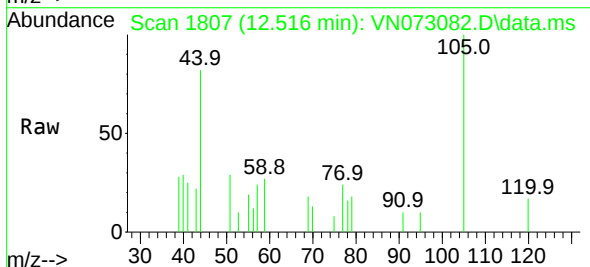
Tgt Ion:106 Resp: 1239
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1

Manual Integrations
APPROVED

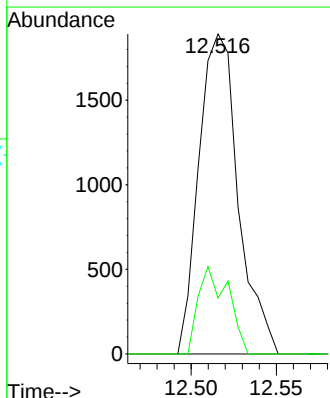
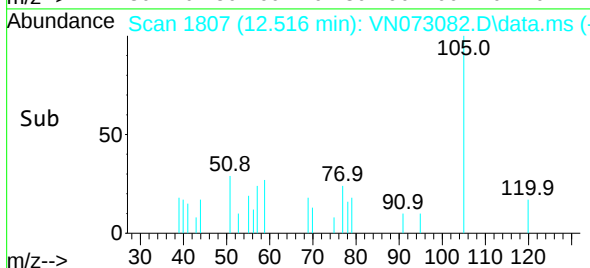
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

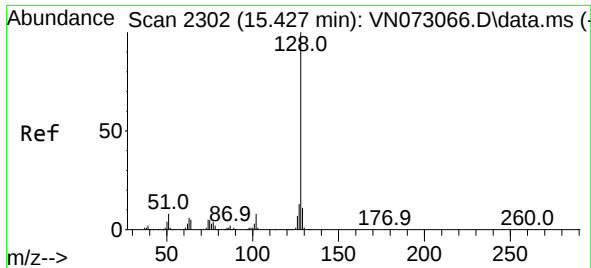


#70
Isopropylbenzene
Concen: 0.214 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22



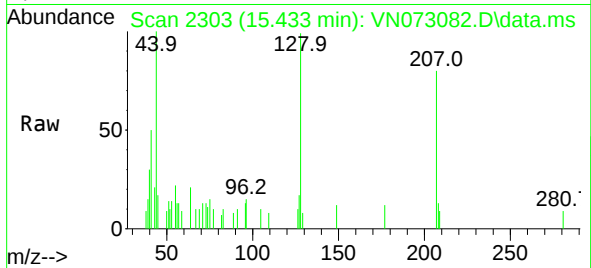
Tgt Ion:105 Resp: 3048
Ion Ratio Lower Upper
105 100
120 20.6 18.3 34.1





#91
Naphthalene
Concen: 0.347 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073082.D
Acq: 24 Jun 2022 14:22

Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA



Tgt Ion:128 Resp: 436
Ion Ratio Lower Upper
128 100
127 8.6 10.7 16.1
129 5.7 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

