

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073683.D
 Acq On : 02 Aug 2022 13:33
 Operator : JC\MD
 Sample : N3971-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9R

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/03/2022
 Supervised By :Mahesh Dadoda 08/03/2022

Quant Time: Aug 03 02:05:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	411808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	643300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	622395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	365637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	224503	44.735	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.460%		
35) Dibromofluoromethane	7.951	113	211536	52.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.740%		
50) Toluene-d8	10.380	98	738492	46.458	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.920%		
62) 4-Bromofluorobenzene	12.674	95	314463	57.532	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.060%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.287	59	21073	19.470	ug/l #	72
16) Acetone	4.234	43	68076	25.255	ug/l	96
29) Tetrahydrofuran	7.616	42	9218	3.483	ug/l	93
31) Cyclohexane	8.028	56	166150	22.238	ug/l	98
37) Ethyl Acetate	7.339	43	68365	9.017	ug/l	97
39) Methylcyclohexane	9.392	83	26989	3.923	ug/l	98
40) Benzene	8.392	78	707539	37.845	ug/l	99
52) Toluene	10.445	92	2248940	196.939	ug/l	99
67) Ethyl Benzene	11.786	91	10711683	480.278	ug/l	97
68) m/p-Xylenes	11.892	106	10798038	1269.401	ug/l	83
69) o-Xylene	12.221	106	2205099	265.894	ug/l	98
73) Isopropylbenzene	12.521	105	387777	14.488	ug/l	100
78) n-propylbenzene	12.863	91	791894	26.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	736784	33.450	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	3778367	174.452	ug/l	99
85) sec-Butylbenzene	13.445	105	15019m	0.557	ug/l	
86) p-Isopropyltoluene	13.557	119	7054m	0.332	ug/l	
95) Naphthalene	15.433	128	1015160	48.862	ug/l	100

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

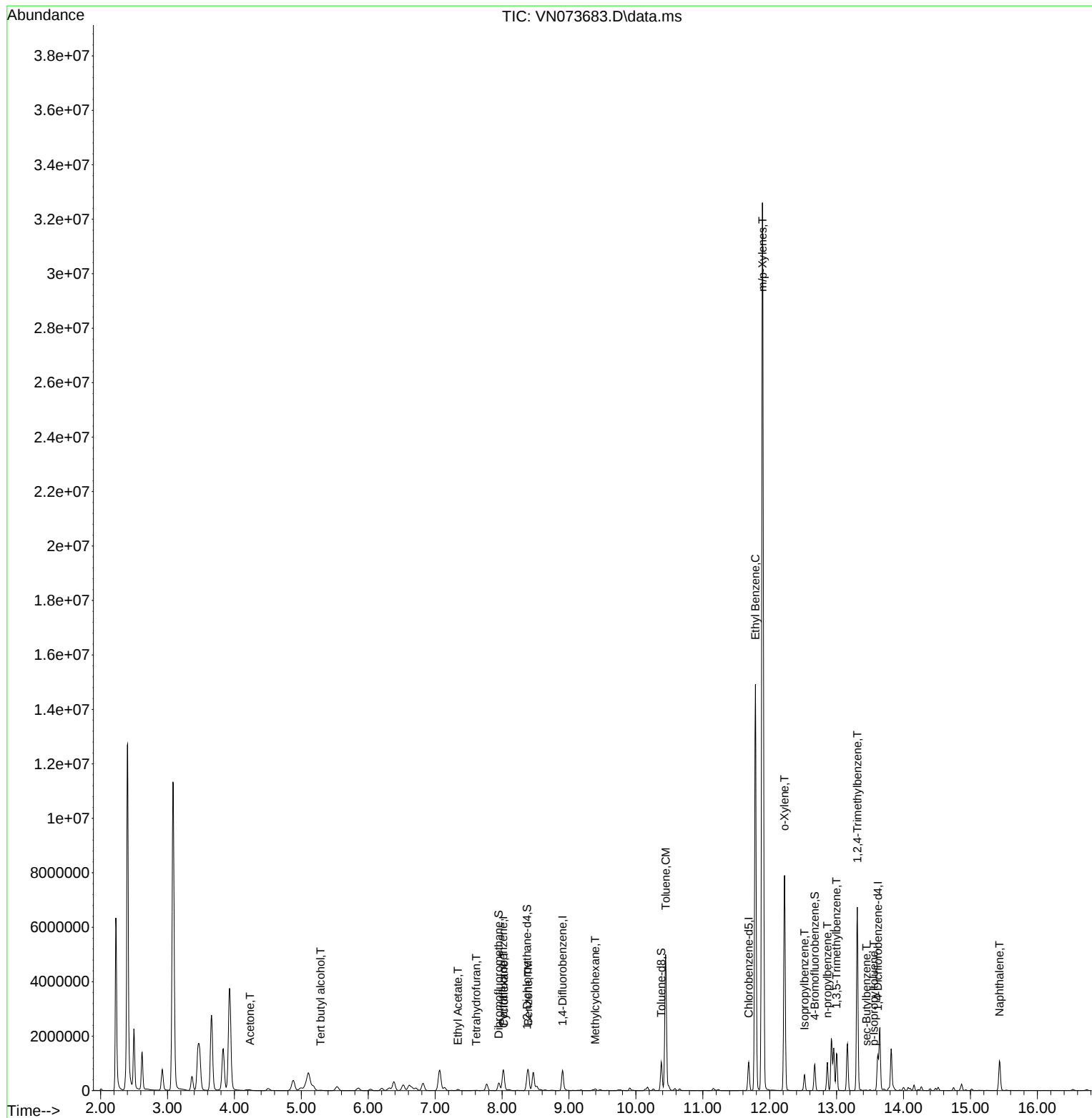
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
Data File : VN073683.D
Acq On : 02 Aug 2022 13:33
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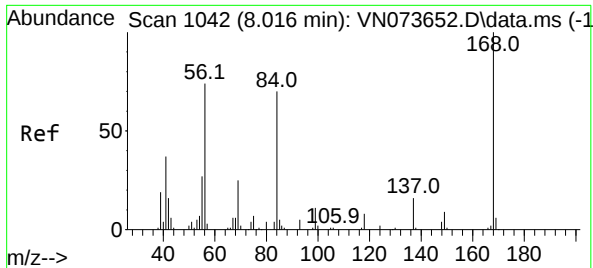
Instrument :
MSVOA_N
ClientSampleId :
MW-9R

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Supervised By : Mahesh Dadoda 08/03/2022

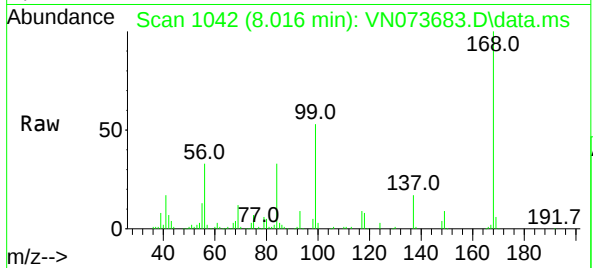
Quant Time: Aug 03 02:05:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

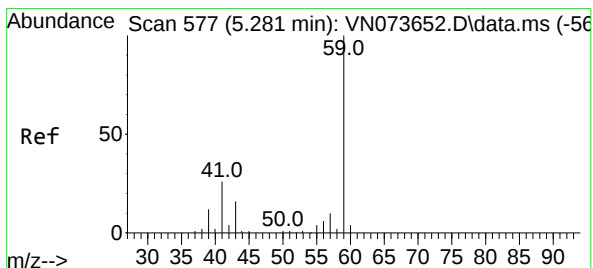
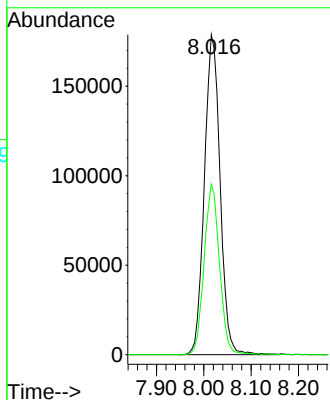
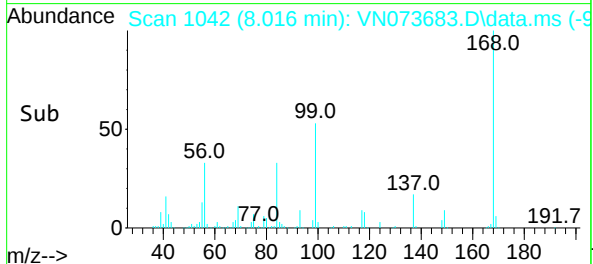
Instrument :
MSVOA_N
ClientSampleId :
MW-9R



Tgt Ion:168 Resp: 411808
Ion Ratio Lower Upper
168 100
99 53.2 42.3 63.5

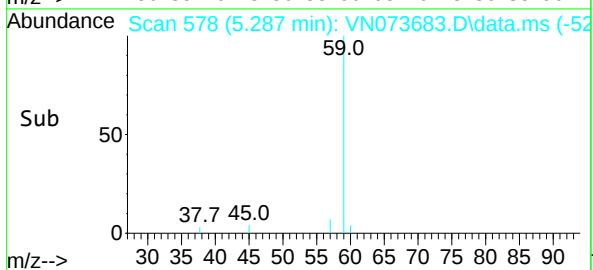
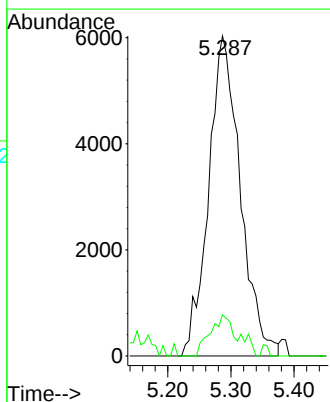
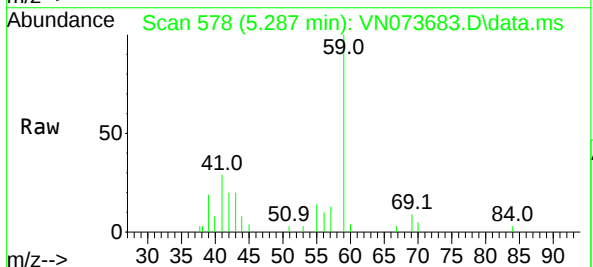
Manual Integrations
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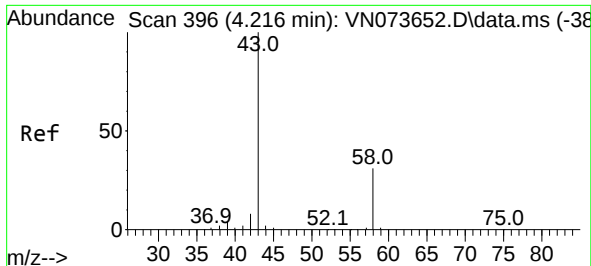
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022



#11
Tert butyl alcohol
Concen: 19.470 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

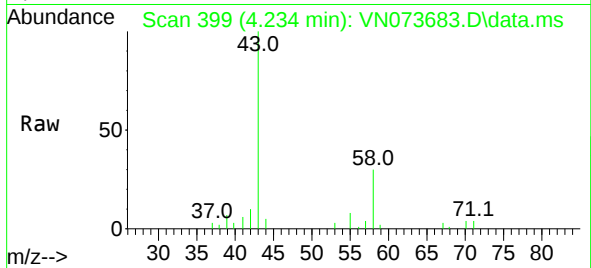
Tgt Ion: 59 Resp: 21073
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16
Acetone
Concen: 25.255 ug/l
RT: 4.234 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

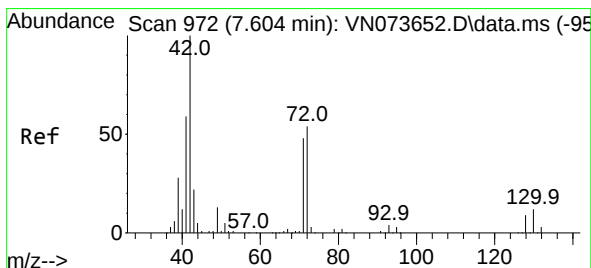
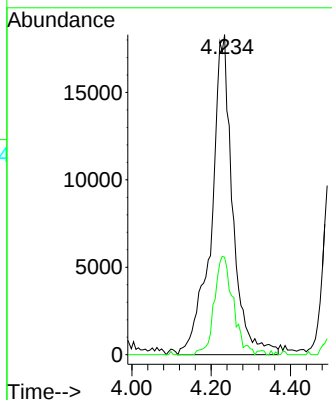
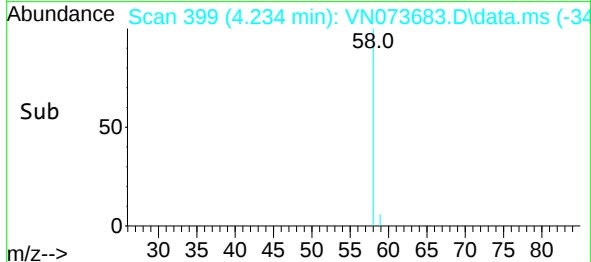
Instrument :
MSVOA_N
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Tgt Ion: 43 Resp: 68070
Ion Ratio Lower Upper
43 100
58 30.4 26.0 39.0

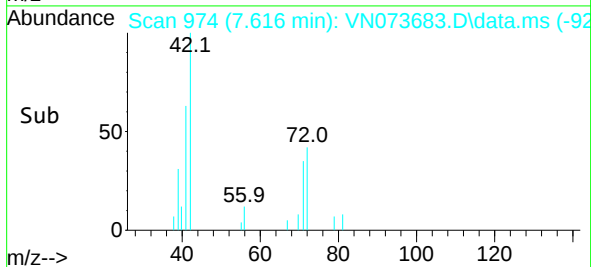
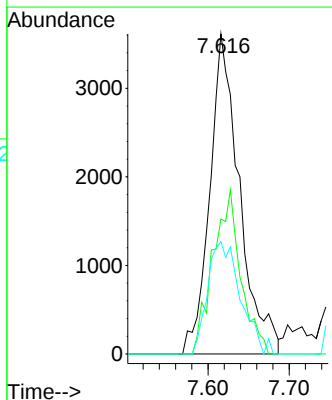
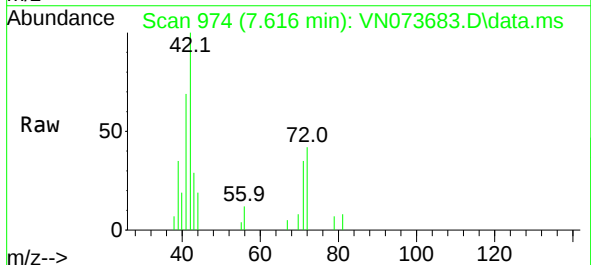
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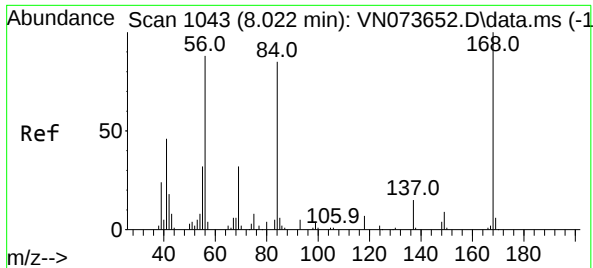
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022



#29
Tetrahydrofuran
Concen: 3.483 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

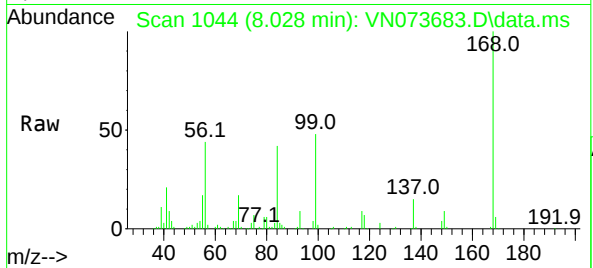
Tgt Ion: 42 Resp: 9218
Ion Ratio Lower Upper
42 100
72 47.9 39.7 59.5
71 38.6 36.6 55.0





#31
Cyclohexane
Concen: 22.238 ug/l
RT: 8.028 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

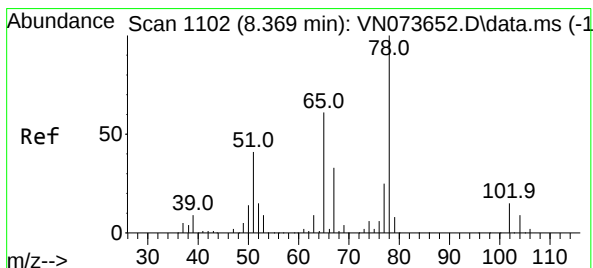
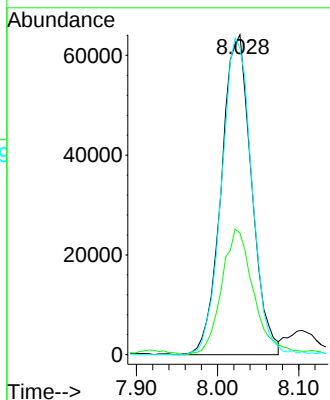
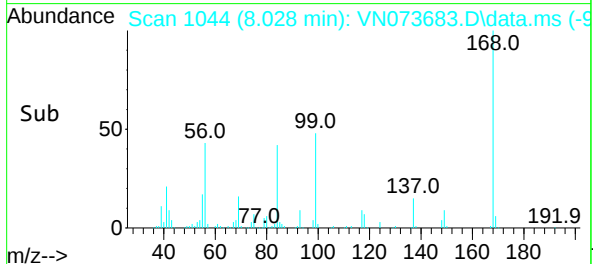
Instrument :
MSVOA_N
ClientSampleId :
MW-9R



Tgt Ion: 56 Resp: 166150
Ion Ratio Lower Upper
56 100
69 37.6 27.8 41.8
84 95.8 76.9 115.3

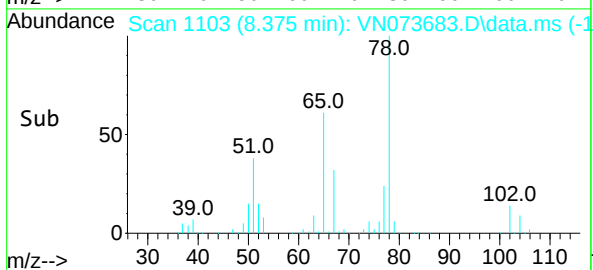
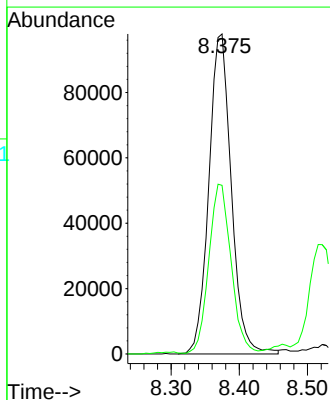
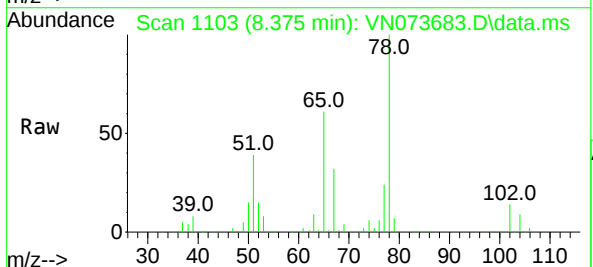
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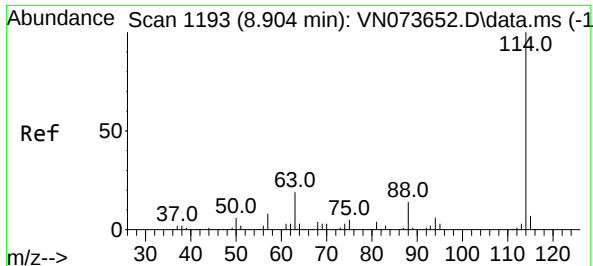
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022



#33
1,2-Dichloroethane-d4
Concen: 44.735 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

Tgt Ion: 65 Resp: 224503
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073683.D

Acq: 02 Aug 2022 13:33

Instrument :

MSVOA_N

ClientSampleId :

MW-9R

Tgt Ion:114 Resp: 643300

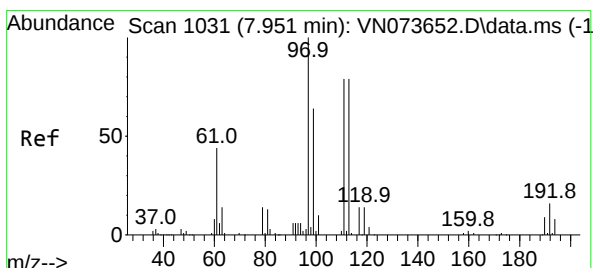
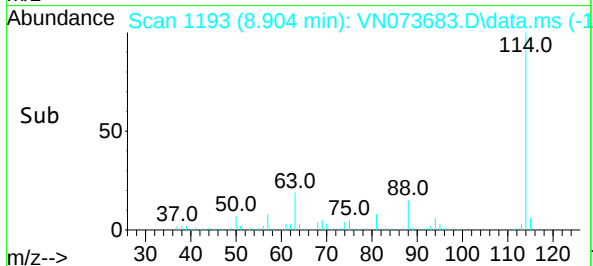
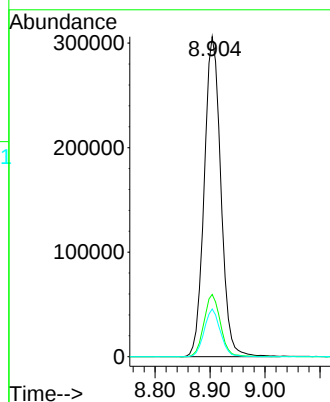
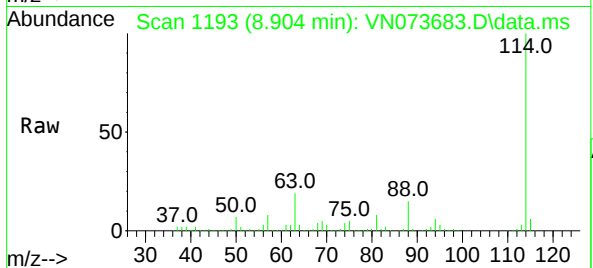
Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	14.9	0.0	32.6

Manual Integrations

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Supervised By :Mahesh Dadoda 08/03/2022



#35

Dibromofluoromethane

Concen: 52.367 ug/l

RT: 7.951 min Scan# 1031

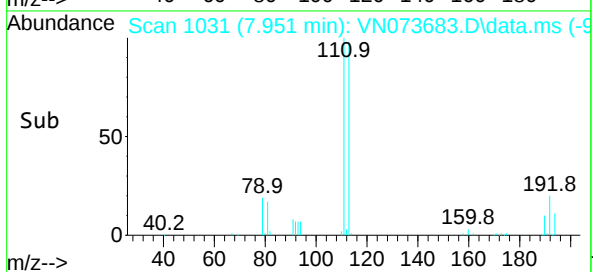
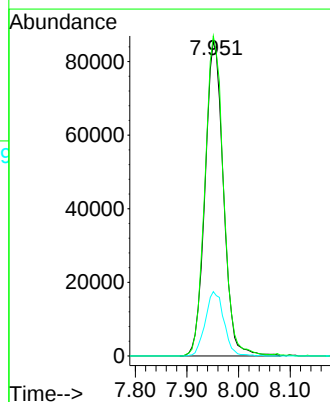
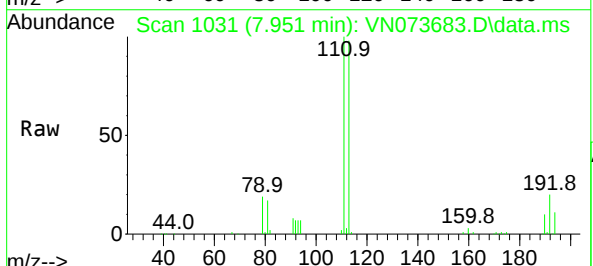
Delta R.T. -0.000 min

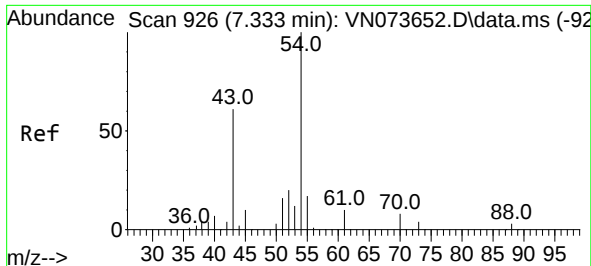
Lab File: VN073683.D

Acq: 02 Aug 2022 13:33

Tgt Ion:113 Resp: 211536

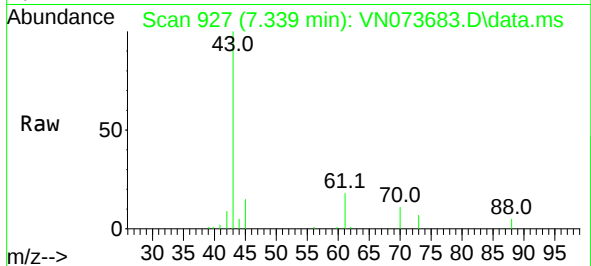
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	20.7	17.0	25.6





#37
Ethyl Acetate
Concen: 9.017 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

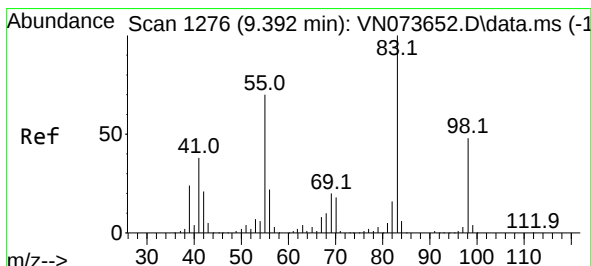
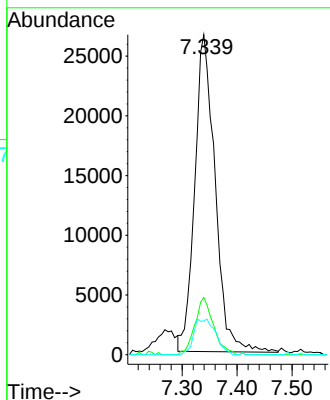
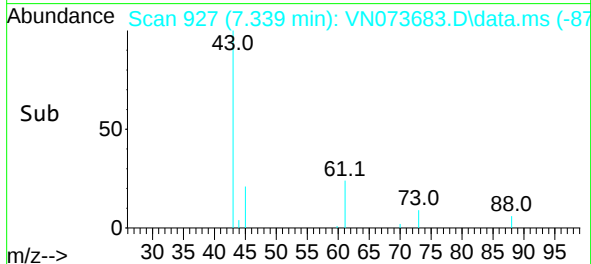
Instrument :
MSVOA_N
ClientSampleId :
MW-9R



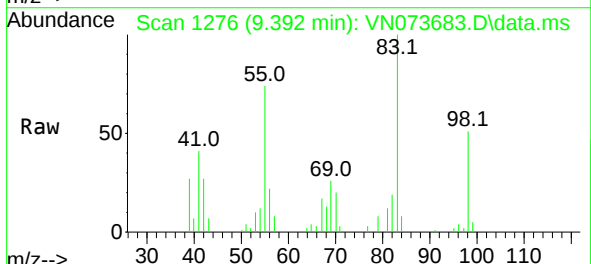
Tgt Ion: 43 Resp: 6836
Ion Ratio Lower Upper
43 100
61 16.4 11.8 17.6
70 12.1 9.3 13.9

Manual Integrations
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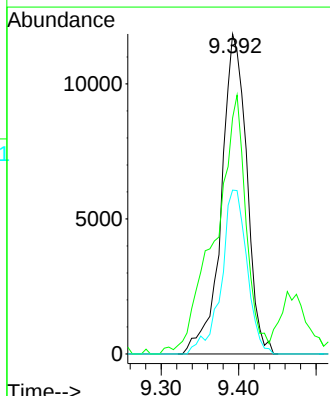
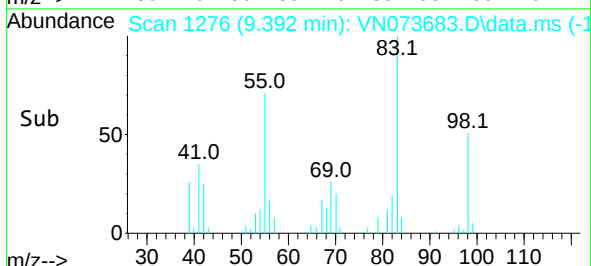
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022

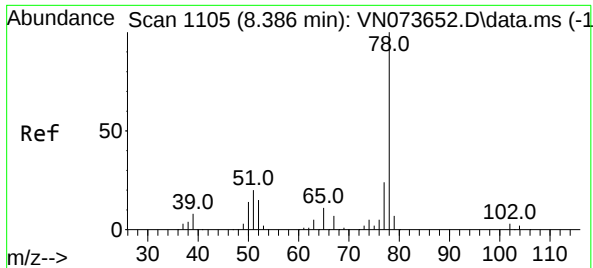


#39
Methylcyclohexane
Concen: 3.923 ug/l
RT: 9.392 min Scan# 1276
Delta R.T. -0.006 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33



Tgt Ion: 83 Resp: 26989
Ion Ratio Lower Upper
83 100
55 71.1 57.8 86.8
98 51.2 39.4 59.2





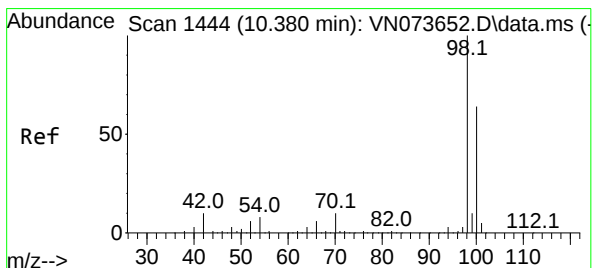
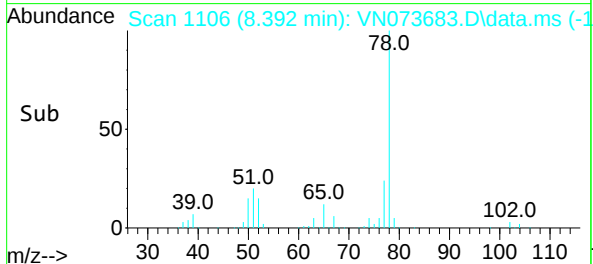
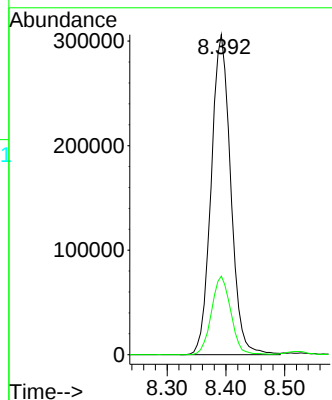
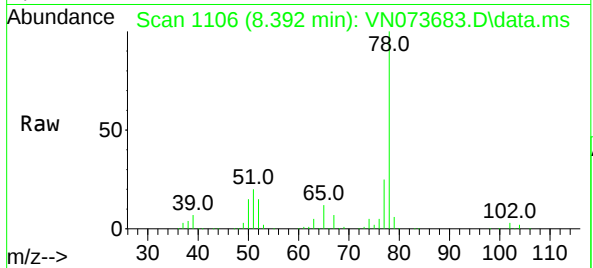
#40
Benzene
Concen: 37.845 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

Instrument :
MSVOA_N
ClientSampleId :
MW-9R

Tgt Ion: 78 Resp: 707539
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.0

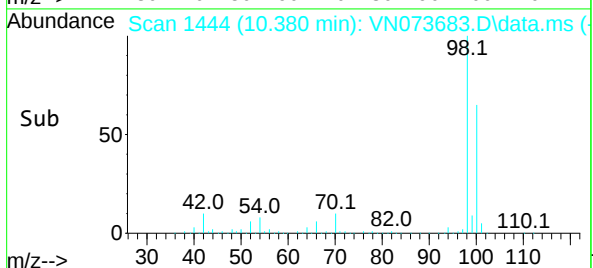
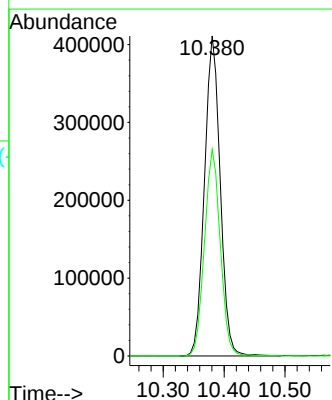
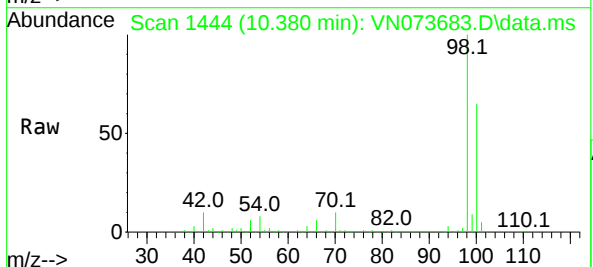
Manual Integrations
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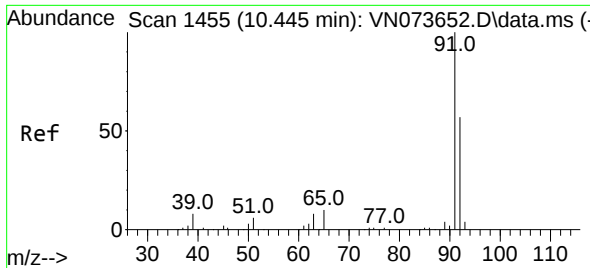
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022



#50
Toluene-d8
Concen: 46.458 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

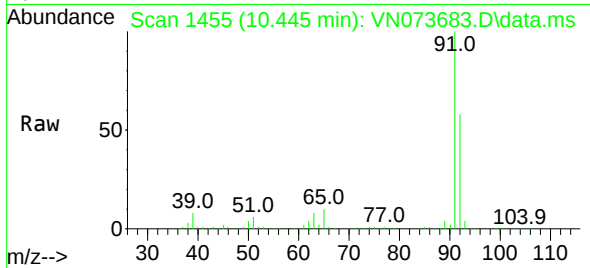
Tgt Ion: 98 Resp: 738492
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8





#52
Toluene
Concen: 196.939 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

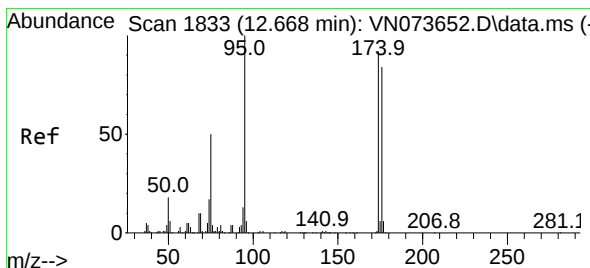
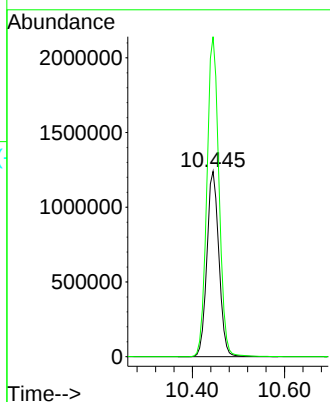
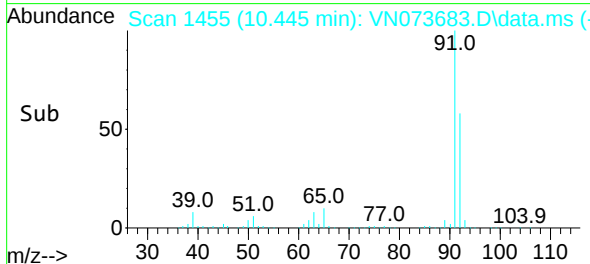
Instrument :
MSVOA_N
ClientSampleId :
MW-9R



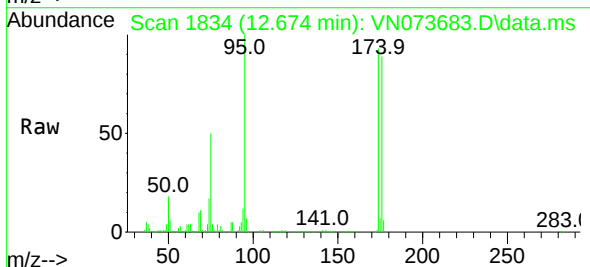
Tgt Ion: 92 Resp: 2248940
Ion Ratio Lower Upper
92 100
91 174.4 138.6 207.8

Manual Integrations
APPROVED

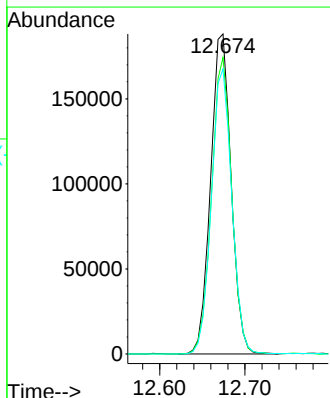
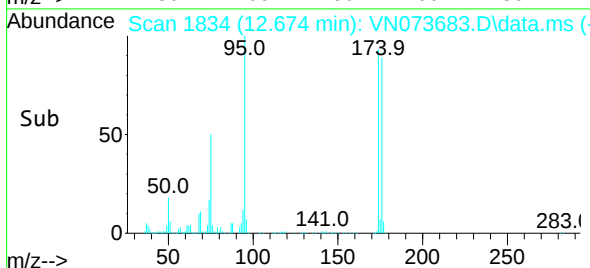
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022

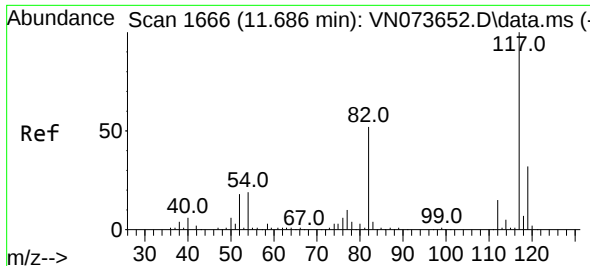


#62
4-Bromofluorobenzene
Concen: 57.532 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33



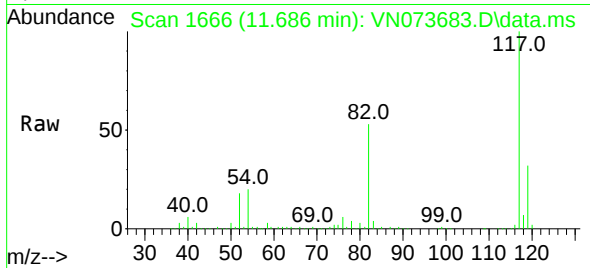
Tgt Ion: 95 Resp: 314463
Ion Ratio Lower Upper
95 100
174 91.0 0.0 167.6
176 88.6 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

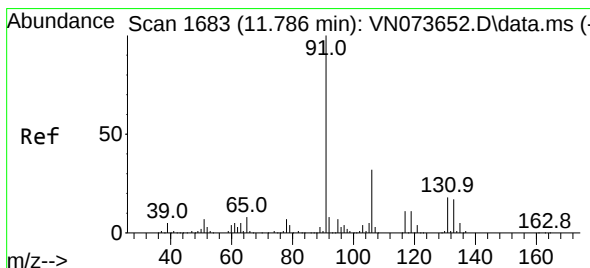
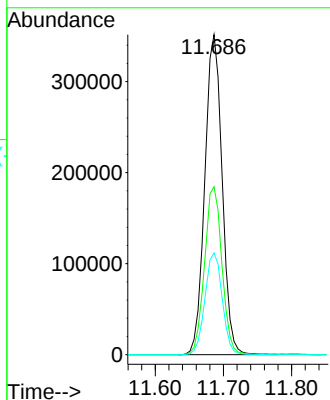
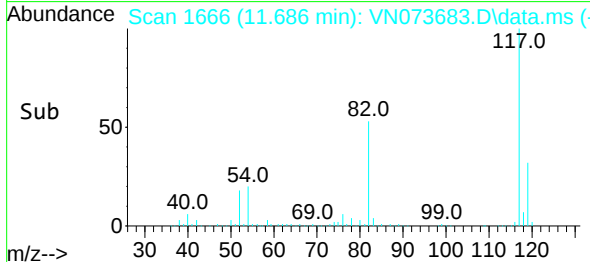
Instrument :
MSVOA_N
ClientSampleId :
MW-9R



Tgt Ion:117 Resp: 622395
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 31.8 25.4 38.0

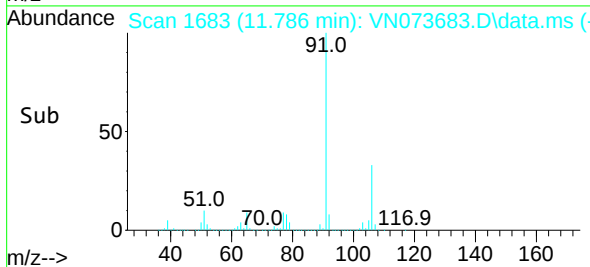
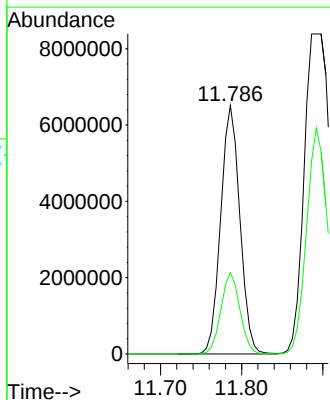
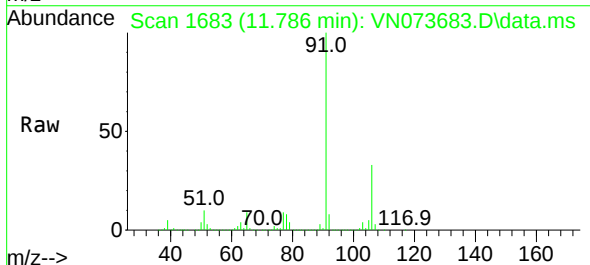
Manual Integrations
APPROVED

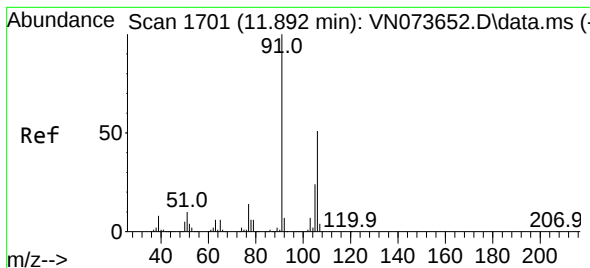
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022



#67
Ethyl Benzene
Concen: 480.278 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

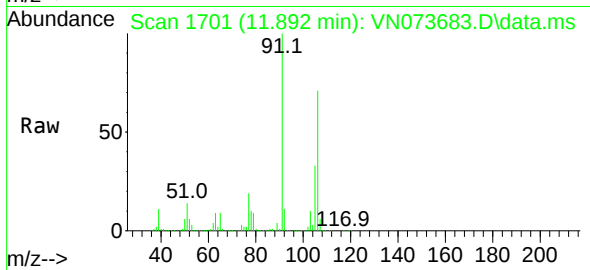
Tgt Ion: 91 Resp:10711683
Ion Ratio Lower Upper
91 100
106 32.7 24.9 37.3





#68
m/p-Xylenes
Concen: 1269.401 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

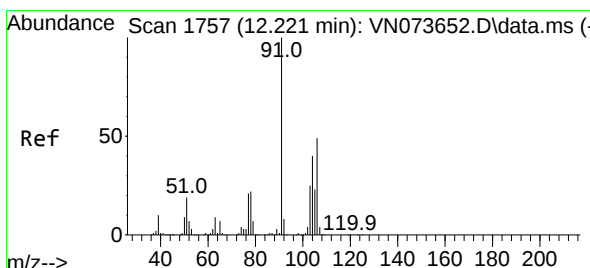
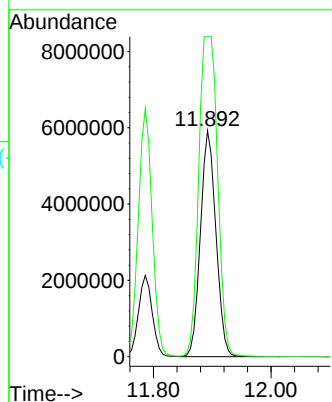
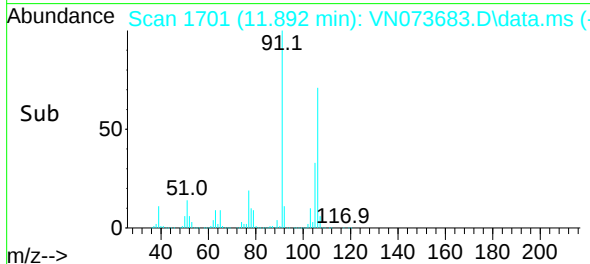
Instrument :
MSVOA_N
ClientSampleId :
MW-9R



Tgt Ion:106 Resp:10798038
Ion Ratio Lower Upper
106 100
91 172.6 158.9 238.3

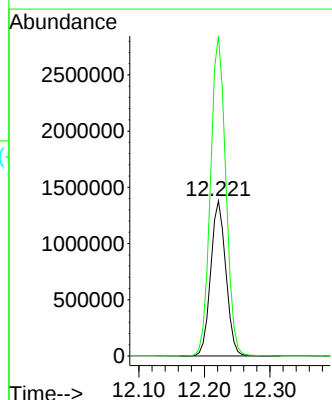
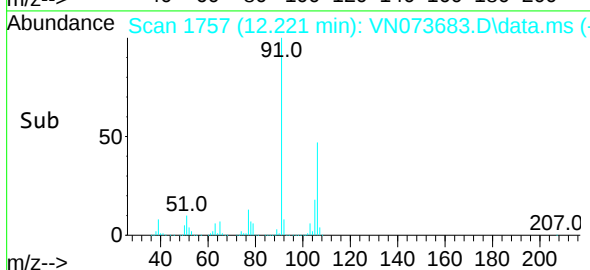
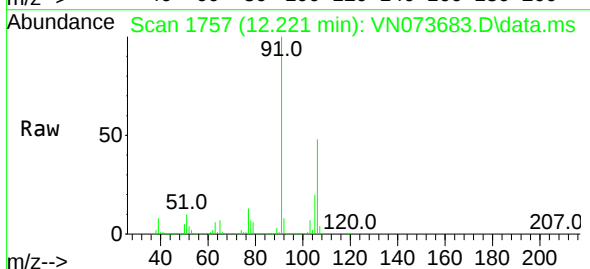
Manual Integrations
APPROVED

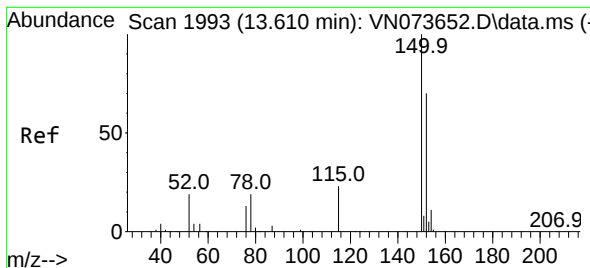
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022



#69
o-Xylene
Concen: 265.894 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

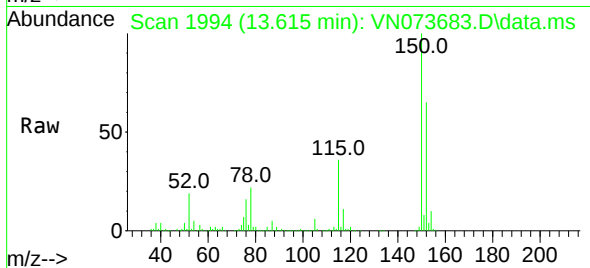
Tgt Ion:106 Resp: 2205099
Ion Ratio Lower Upper
106 100
91 209.6 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

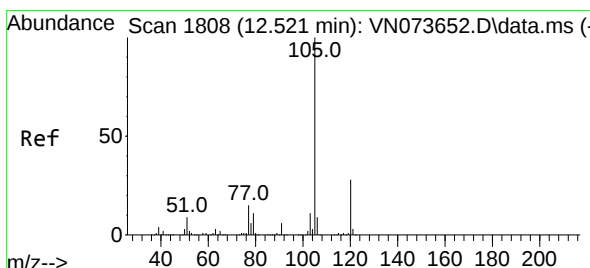
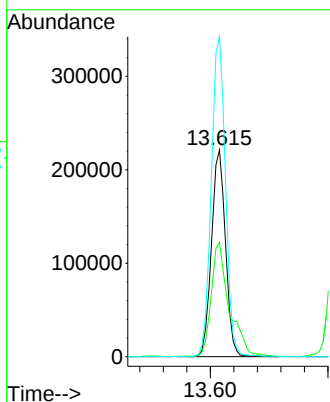
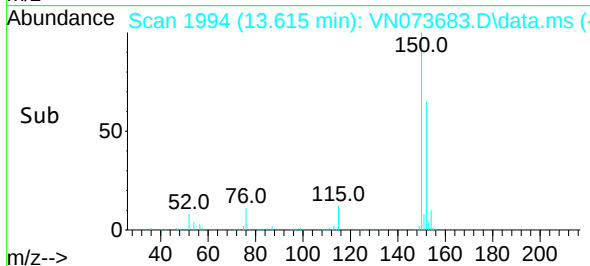
Instrument :
MSVOA_N
ClientSampleId :
MW-9R



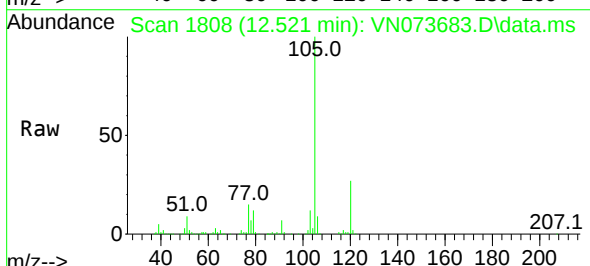
Tgt Ion:152 Resp: 36563
Ion Ratio Lower Upper
152 100
115 71.2 28.9 86.7
150 156.7 0.0 356.2

Manual Integrations
APPROVED

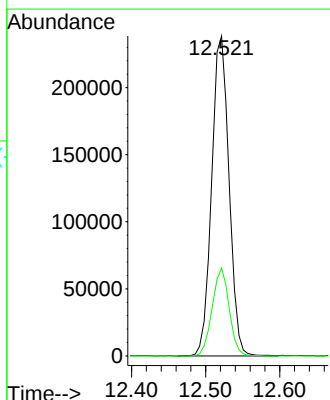
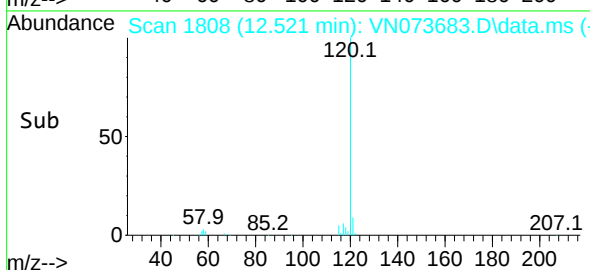
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022

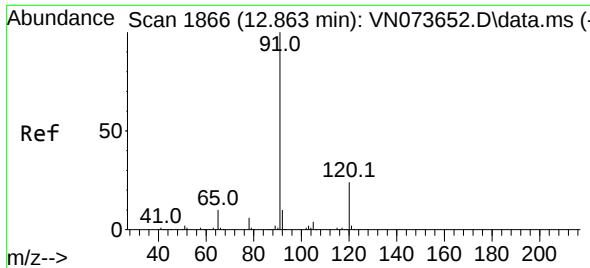


#73
Isopropylbenzene
Concen: 14.488 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33



Tgt Ion:105 Resp: 387777
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4





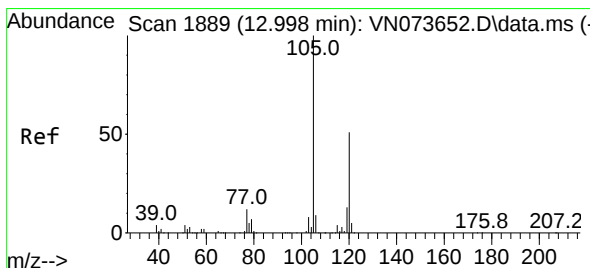
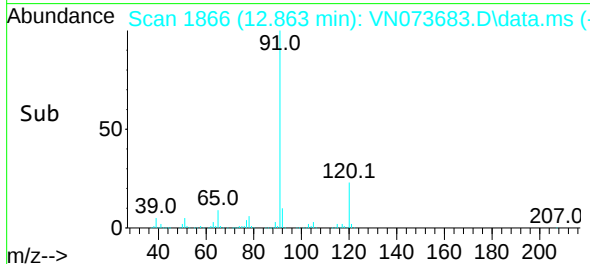
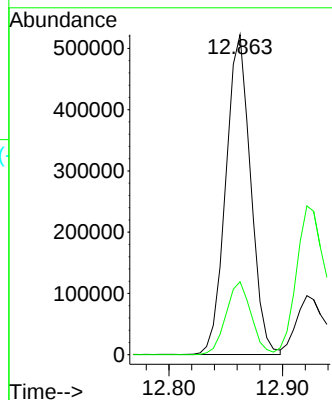
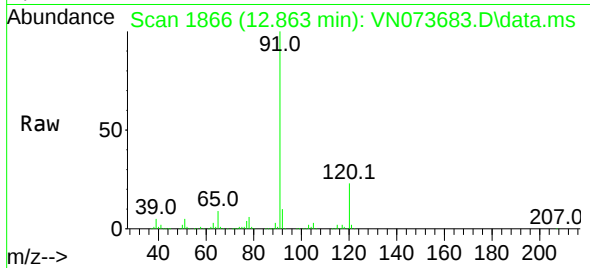
#78
n-propylbenzene
Concen: 26.294 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

Instrument :
MSVOA_N
ClientSampleId :
MW-9R

Tgt Ion: 91 Resp: 791894
Ion Ratio Lower Upper
91 100
120 23.2 11.9 35.5

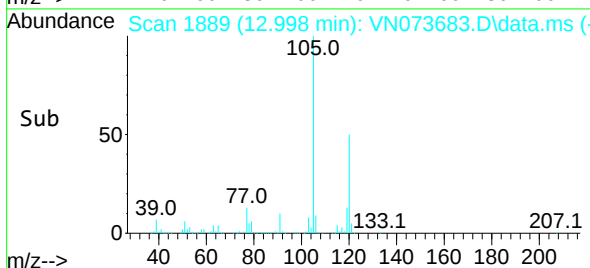
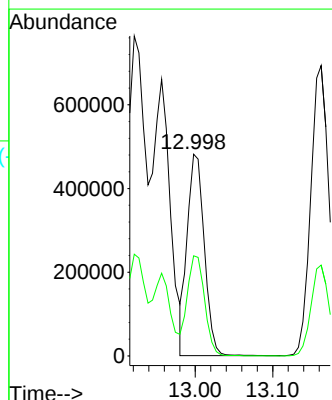
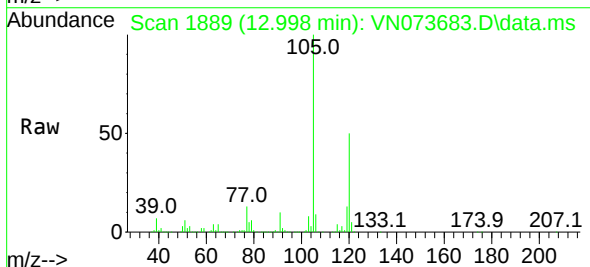
Manual Integrations
APPROVED

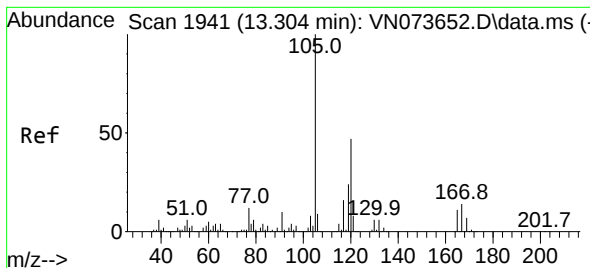
Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022



#80
1,3,5-Trimethylbenzene
Concen: 33.450 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

Tgt Ion:105 Resp: 736784
Ion Ratio Lower Upper
105 100
120 50.3 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 174.452 ug/l

RT: 13.310 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VN073683.D

Acq: 02 Aug 2022 13:33

Instrument :

MSVOA_N

ClientSampleId :

MW-9R

Tgt Ion:105 Resp: 377836

Ion Ratio Lower Upper

105 100

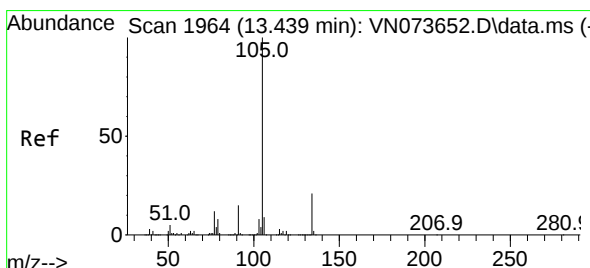
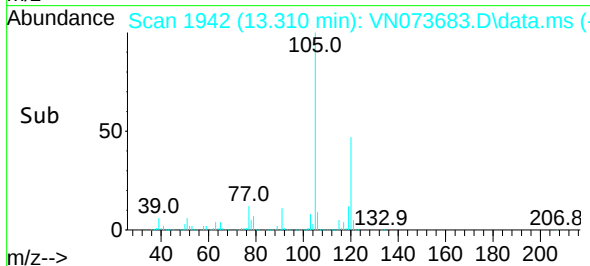
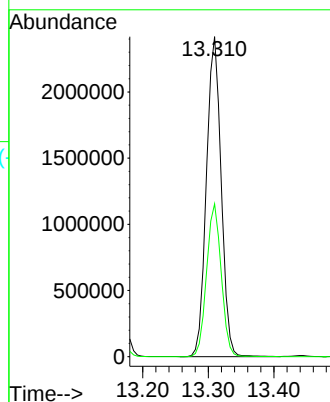
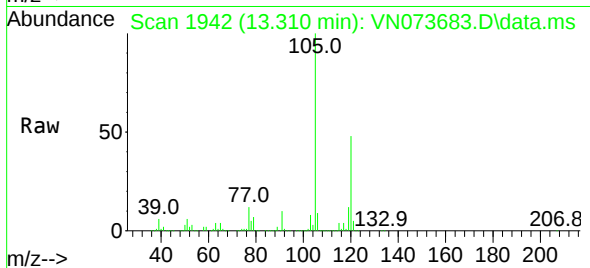
120 47.5 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/03/2022

Supervised By :Mahesh Dadoda 08/03/2022



#85

sec-Butylbenzene

Concen: 0.557 ug/l m

RT: 13.445 min Scan# 1965

Delta R.T. 0.006 min

Lab File: VN073683.D

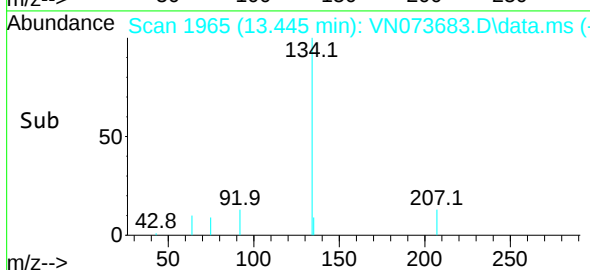
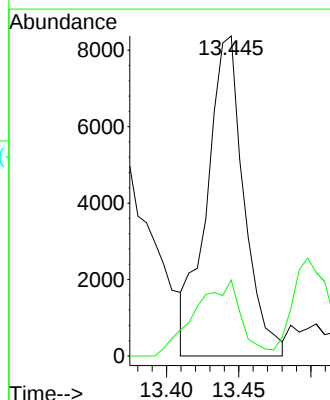
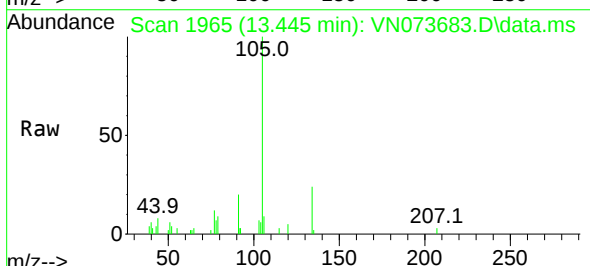
Acq: 02 Aug 2022 13:33

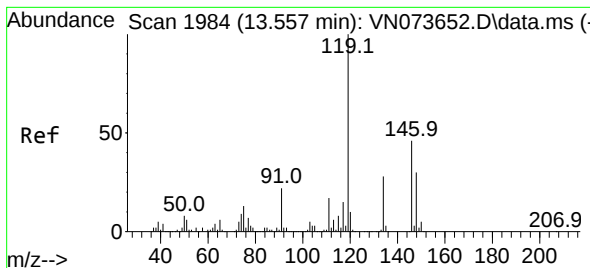
Tgt Ion:105 Resp: 15019

Ion Ratio Lower Upper

105 100

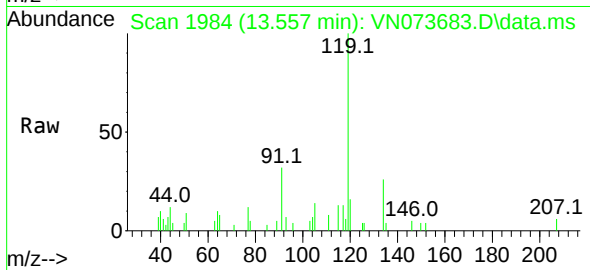
134 1.9 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 0.332 ug/l m
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33

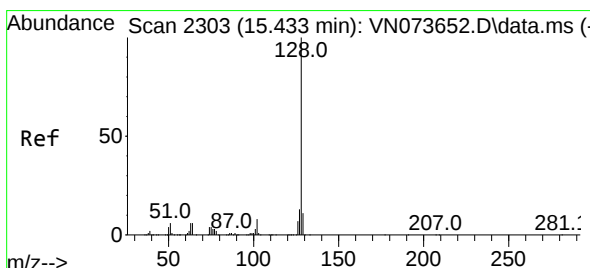
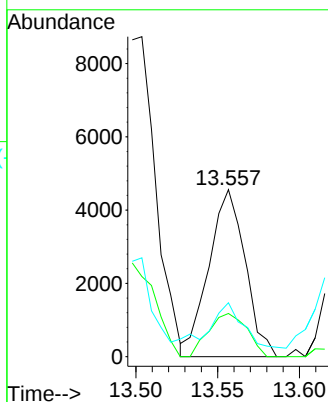
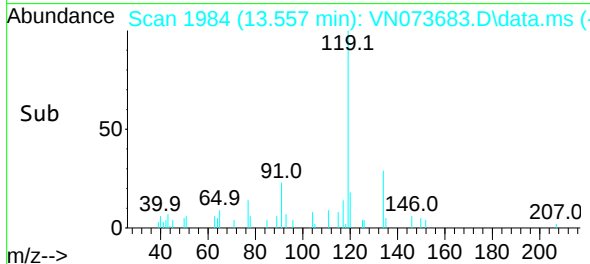
Instrument :
MSVOA_N
ClientSampleId :
MW-9R



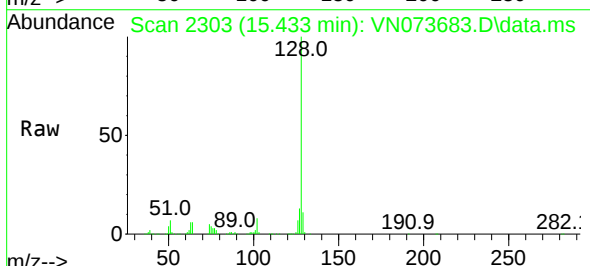
Tgt Ion:119 Resp: 7054
Ion Ratio Lower Upper
119 100
134 61.0 13.3 39.8
91 0.0 11.3 33.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/03/2022
Supervised By :Mahesh Dadoda 08/03/2022



#95
Naphthalene
Concen: 48.862 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN073683.D
Acq: 02 Aug 2022 13:33



Tgt Ion:128 Resp: 1015160
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.6 13.0

