

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074311.D
 Acq On : 03 Sep 2022 01:51
 Operator : JC\MD
 Sample : N4355-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP082322

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/03/2022
 Supervised By : Mahesh Dadoda 09/06/2022

Quant Time: Sep 03 04:43:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	436005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	775813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	761692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	474842	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	291820	42.936	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.880%		
35) Dibromofluoromethane	7.951	113	250682	48.762	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.520%		
50) Toluene-d8	10.380	98	949676	46.847	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.700%		
62) 4-Bromofluorobenzene	12.669	95	428879	57.373	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.740%		
Target Compounds					Qvalue	
16) Acetone	4.204	43	161495	56.855	ug/l #	65
25) 2-Butanone	7.257	43	49542	10.329	ug/l	94
29) Tetrahydrofuran	7.616	42	47168	15.412	ug/l	97
31) Cyclohexane	8.022	56	3698530	407.441	ug/l	98
39) Methylcyclohexane	9.398	83	1758173	199.996	ug/l	98
40) Benzene	8.392	78	1376979	59.822	ug/l	100
52) Toluene	10.445	92	2046575	143.881	ug/l	98
67) Ethyl Benzene	11.775	91	21388413m	696.810	ug/l	
68) m/p-Xylenes	11.880	106	24133329m	2106.227	ug/l	
69) o-Xylene	12.222	106	7911260	691.787	ug/l	90
73) Isopropylbenzene	12.516	105	2342065	56.327	ug/l	97
78) n-propylbenzene	12.857	91	7801509	164.144	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	7113481	213.370	ug/l	98
84) 1,2,4-Trimethylbenzene	13.298	105	21721373m	643.193	ug/l	
85) sec-Butylbenzene	13.439	105	311471m	7.373	ug/l	
86) p-Isopropyltoluene	13.557	119	170826m	5.191	ug/l	
89) n-Butylbenzene	13.880	91	370579	12.907	ug/l #	77
95) Naphthalene	15.433	128	14807840	425.061	ug/l	99

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

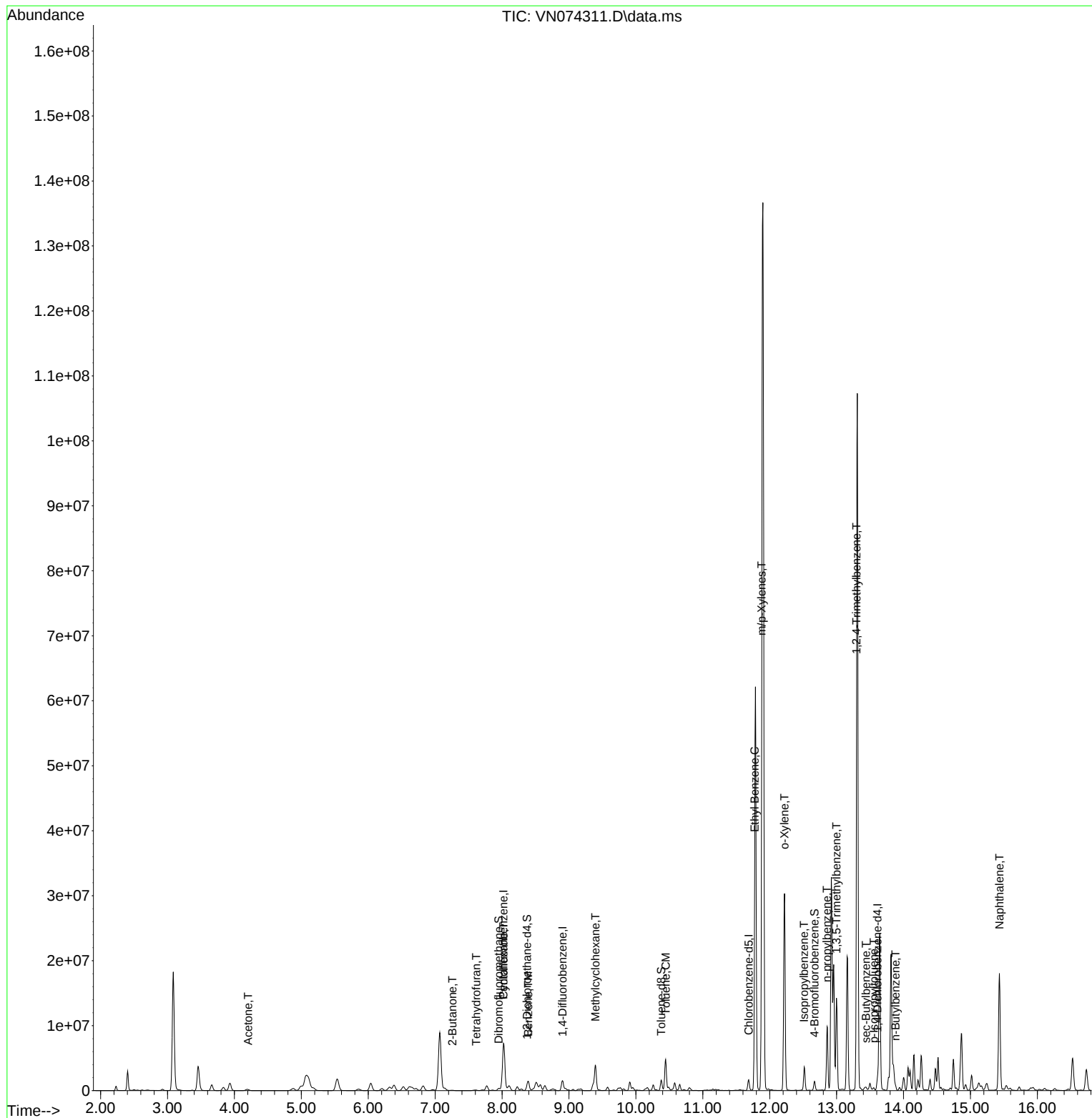
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN074311.D
Data File : VN074311.D
Acq On : 03 Sep 2022 01:51
Operator : JC\MD
Sample : N4355-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 34 Sample Multiplier: 1

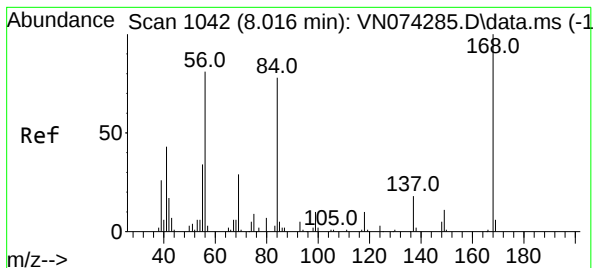
Instrument :
MSVOA_N
ClientSampleId :
DUP082322

Quant Time: Sep 03 04:43:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 03 04:35:33 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

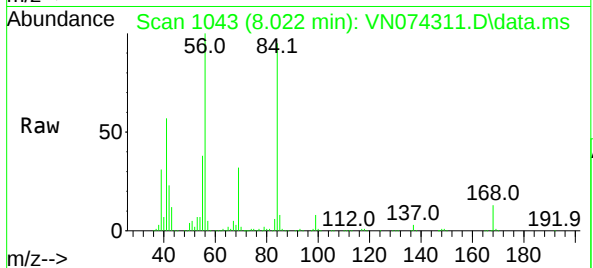
Reviewed By : John Carlone 09/03/2022
Supervised By : Mahesh Dadoda 09/06/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

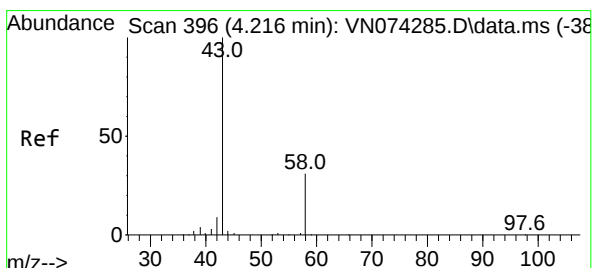
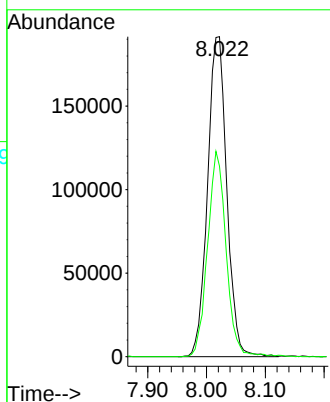
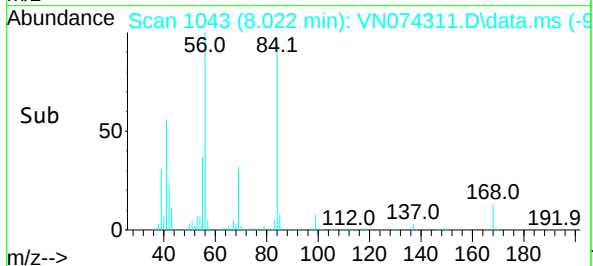
Instrument :
MSVOA_N
ClientSampleId :
DUP082322



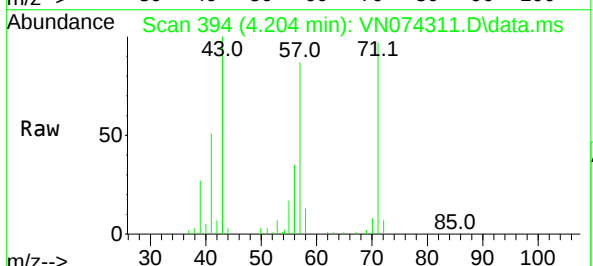
Tgt Ion:168 Resp: 436009
Ion Ratio Lower Upper
168 100
99 59.5 42.3 63.5

Manual Integrations
APPROVED

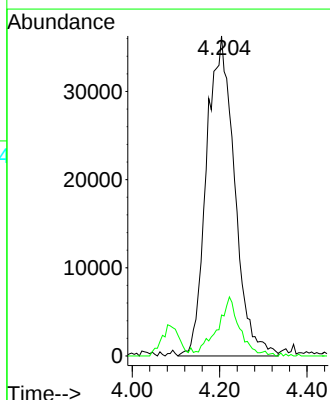
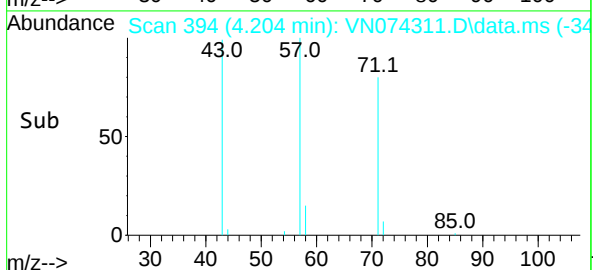
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

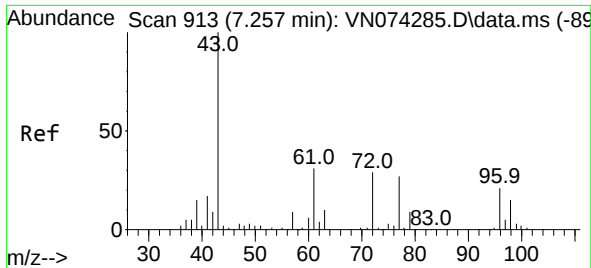


#16
Acetone
Concen: 56.855 ug/l
RT: 4.204 min Scan# 394
Delta R.T. -0.018 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51



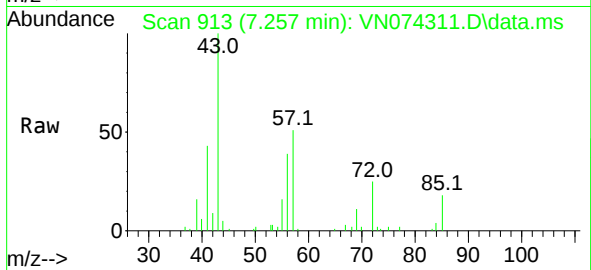
Tgt Ion: 43 Resp: 161495
Ion Ratio Lower Upper
43 100
58 12.8 26.0 39.0#





#25
2-Butanone
Concen: 10.329 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

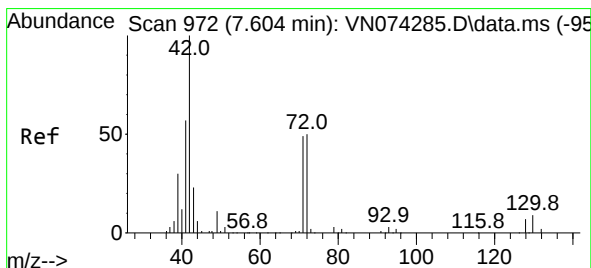
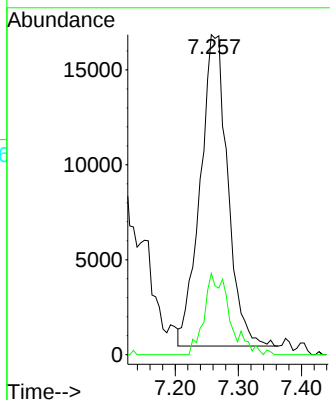
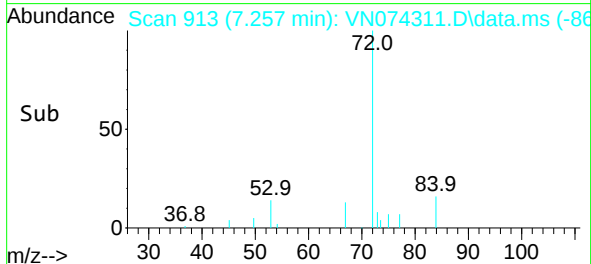
Instrument :
MSVOA_N
ClientSampleId :
DUP082322



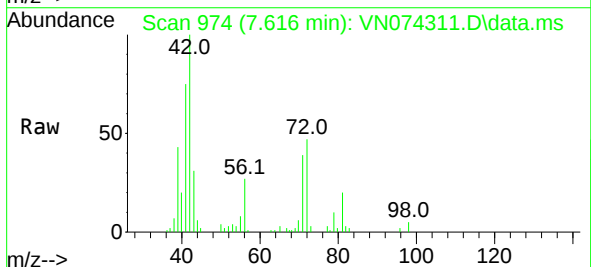
Tgt Ion: 43 Resp: 4954
Ion Ratio Lower Upper
43 100
72 26.1 23.7 35.5

Manual Integrations
APPROVED

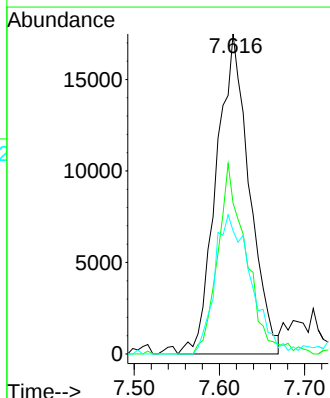
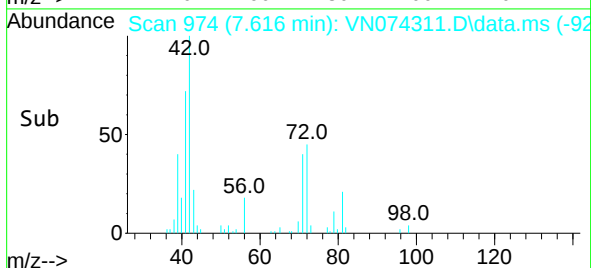
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

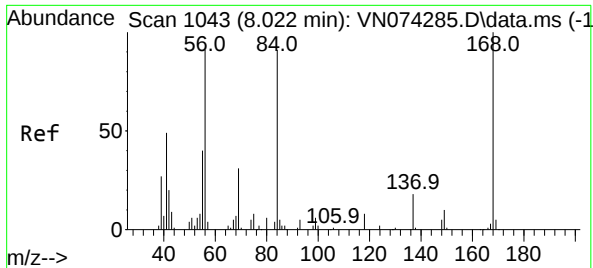


#29
Tetrahydrofuran
Concen: 15.412 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51



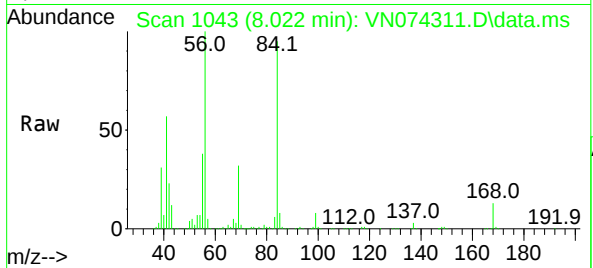
Tgt Ion: 42 Resp: 47168
Ion Ratio Lower Upper
42 100
72 51.6 39.7 59.5
71 47.7 36.6 55.0





#31
Cyclohexane
Concen: 407.441 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

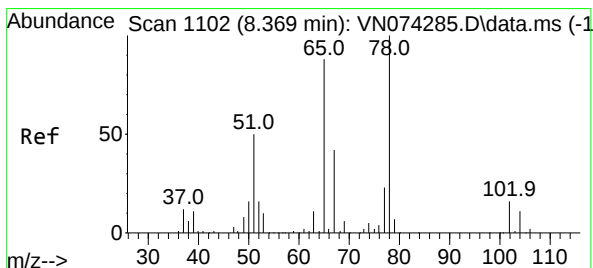
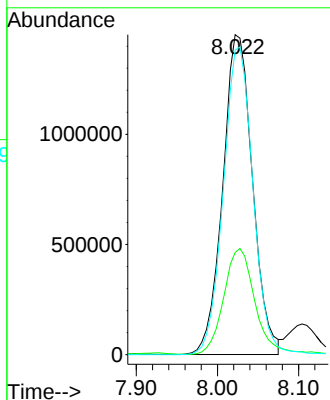
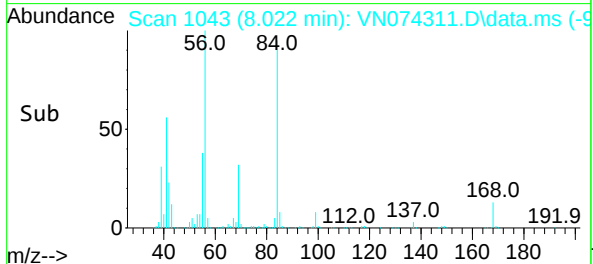
Instrument :
MSVOA_N
ClientSampleId :
DUP082322



Tgt Ion: 56 Resp: 3698530
Ion Ratio Lower Upper
56 100
69 31.9 27.8 41.8
84 95.3 76.9 115.3

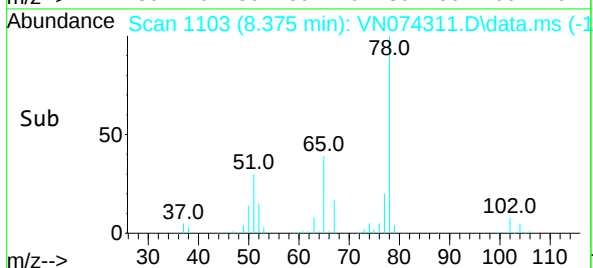
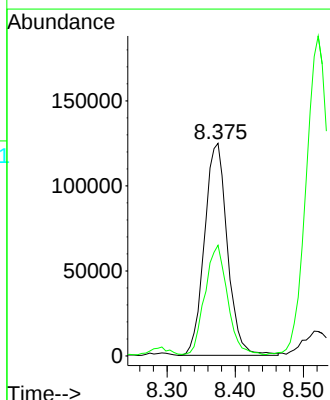
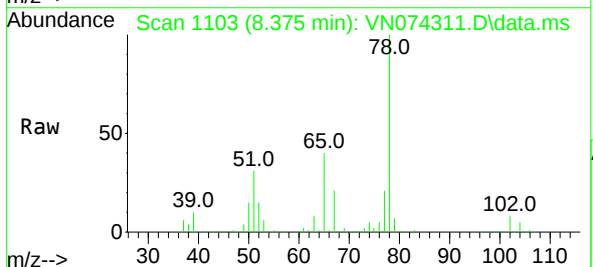
Manual Integrations
APPROVED

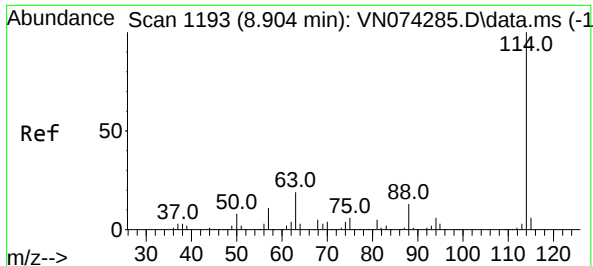
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#33
1,2-Dichloroethane-d4
Concen: 42.936 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

Tgt Ion: 65 Resp: 291820
Ion Ratio Lower Upper
65 100
67 50.1 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: VN074311.D

Acq: 03 Sep 2022 01:51

Instrument :

MSVOA_N

ClientSampleId :

DUP082322

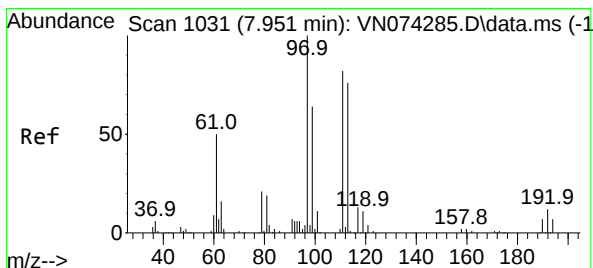
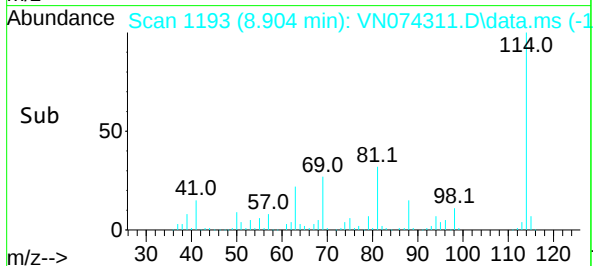
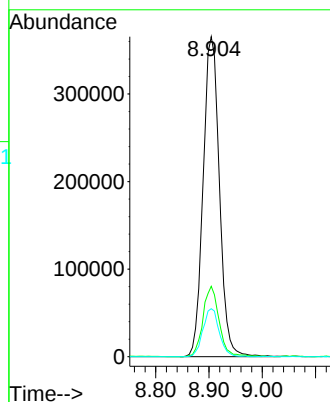
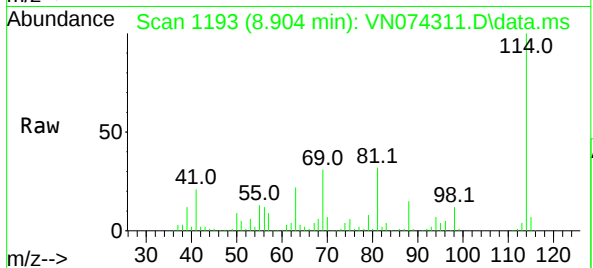
Tgt Ion:114	Resp: 77581
Ion Ratio	Lower Upper
114 100	
63 22.0	0.0 40.0
88 15.0	0.0 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/03/2022

Supervised By :Mahesh Dadoda 09/06/2022



#35

Dibromofluoromethane

Concen: 48.762 ug/l

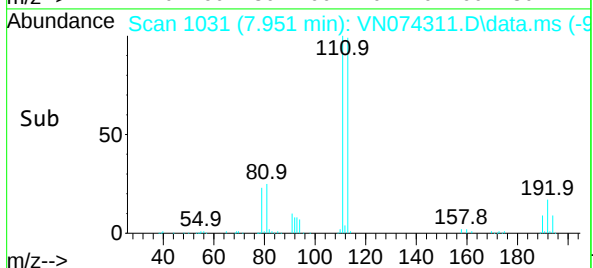
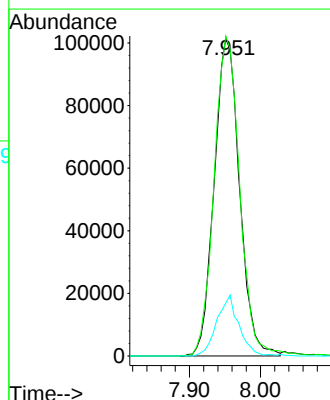
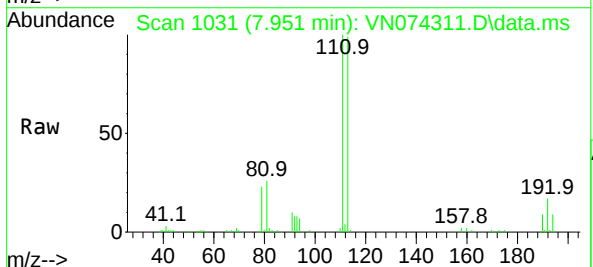
RT: 7.951 min Scan# 1031

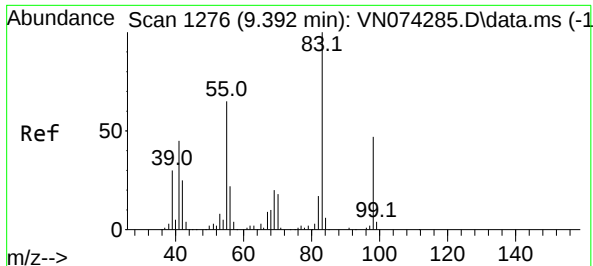
Delta R.T. 0.000 min

Lab File: VN074311.D

Acq: 03 Sep 2022 01:51

Tgt Ion:113	Resp: 250682
Ion Ratio	Lower Upper
113 100	
111 102.3	81.4 122.0
192 16.9	17.0 25.6





#39

Methylcyclohexane

Concen: 199.996 ug/l

RT: 9.398 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VN074311.D

Acq: 03 Sep 2022 01:51

Instrument :

MSVOA_N

ClientSampleId :

DUP082322

Tgt Ion: 83 Resp: 175817

Ion Ratio Lower Upper

83 100

55 70.1 57.8 86.8

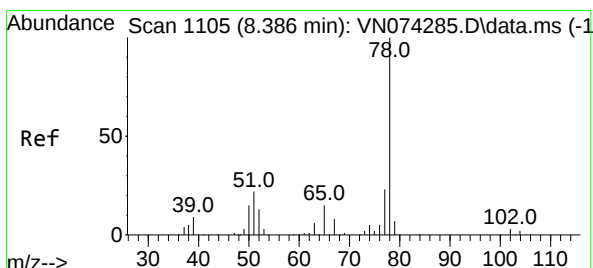
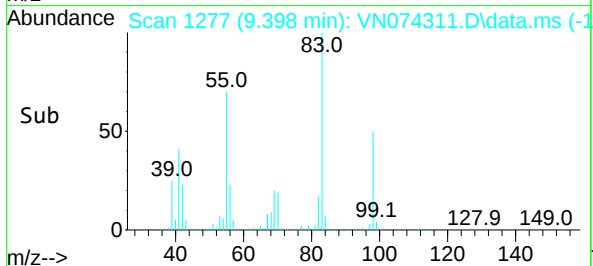
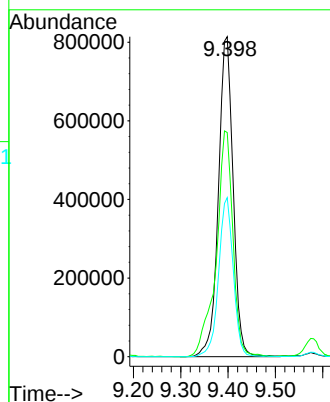
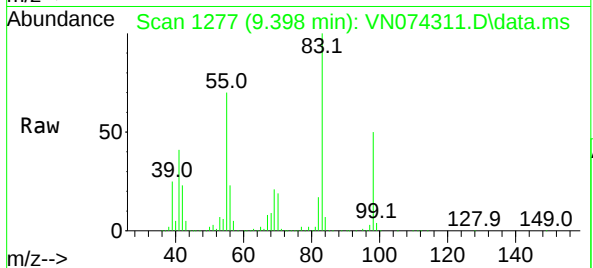
98 49.7 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/03/2022

Supervised By :Mahesh Dadoda 09/06/2022



#40

Benzene

Concen: 59.822 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN074311.D

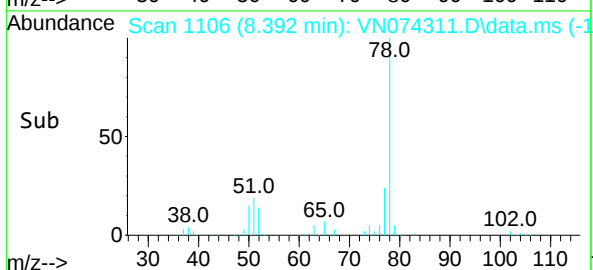
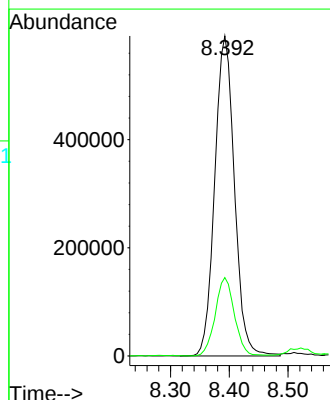
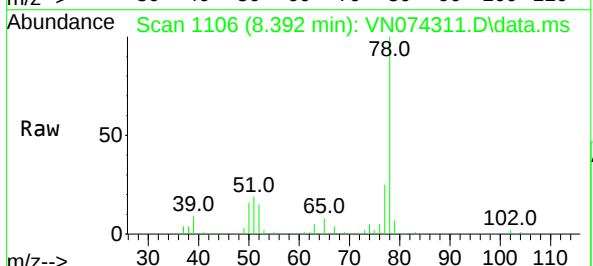
Acq: 03 Sep 2022 01:51

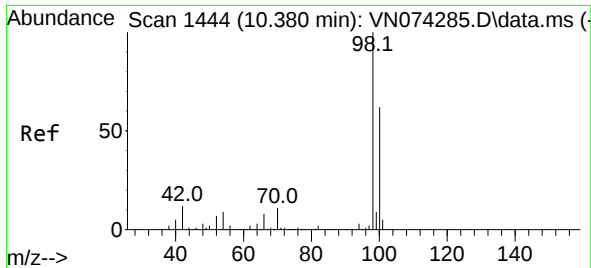
Tgt Ion: 78 Resp: 1376979

Ion Ratio Lower Upper

78 100

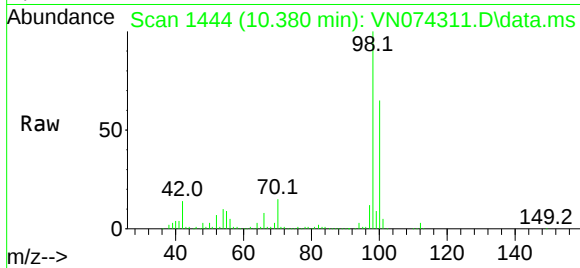
77 24.4 19.4 29.0





#50
Toluene-d8
Concen: 46.847 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

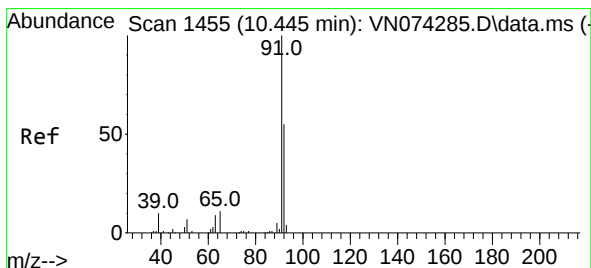
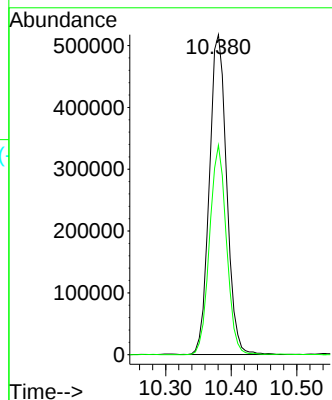
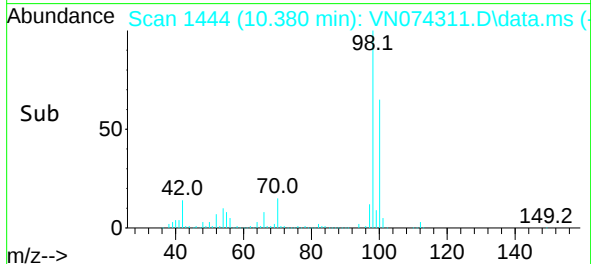
Instrument :
MSVOA_N
ClientSampleId :
DUP082322



Tgt Ion: 98 Resp: 949670
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8

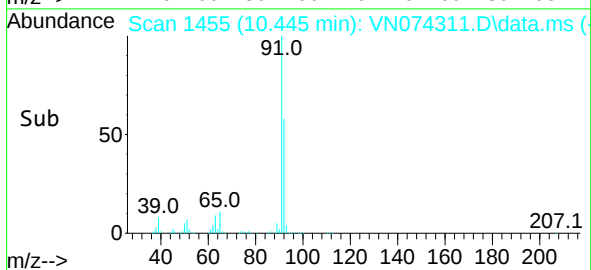
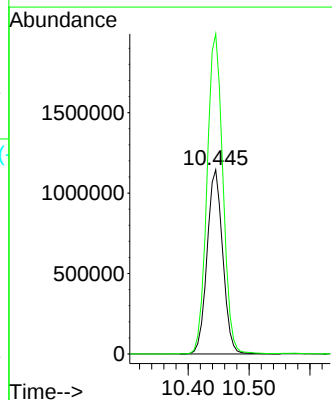
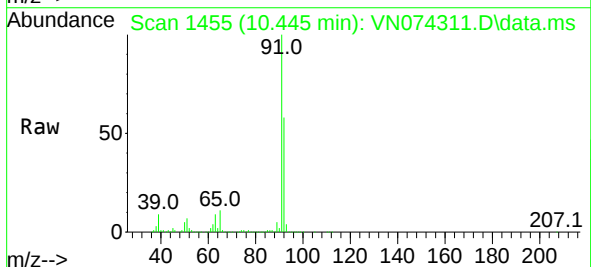
Manual Integrations
APPROVED

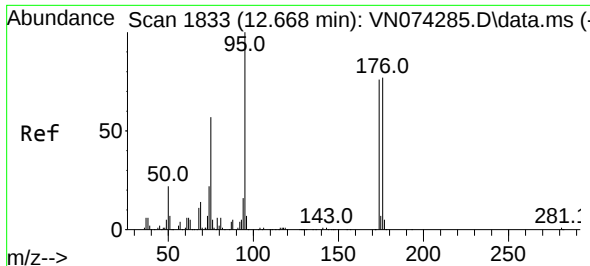
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#52
Toluene
Concen: 143.881 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

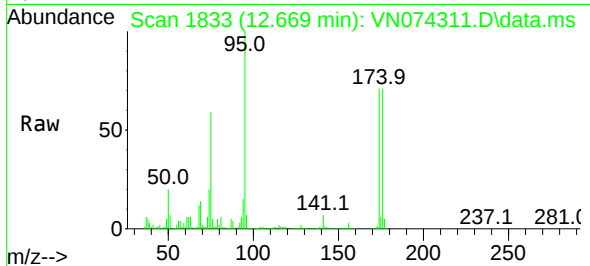
Tgt Ion: 92 Resp: 2046575
Ion Ratio Lower Upper
92 100
91 176.0 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 57.373 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

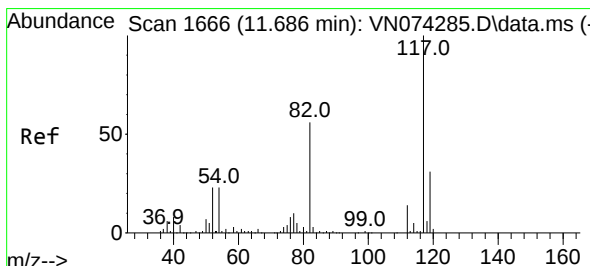
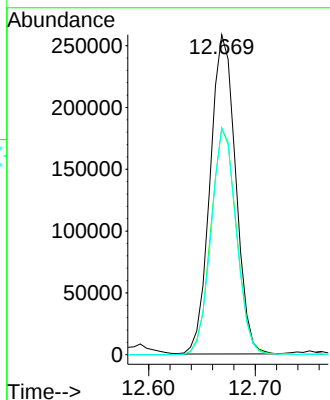
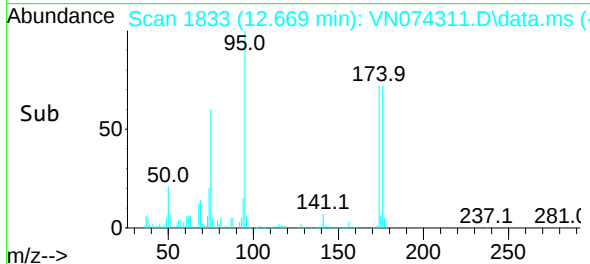
Instrument :
MSVOA_N
ClientSampleId :
DUP082322



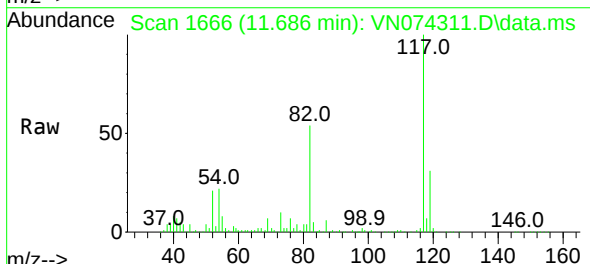
Tgt Ion: 95 Resp: 428879
Ion Ratio Lower Upper
95 100
174 71.2 0.0 167.6
176 70.1 0.0 163.4

Manual Integrations
APPROVED

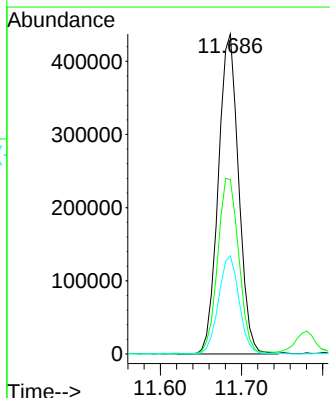
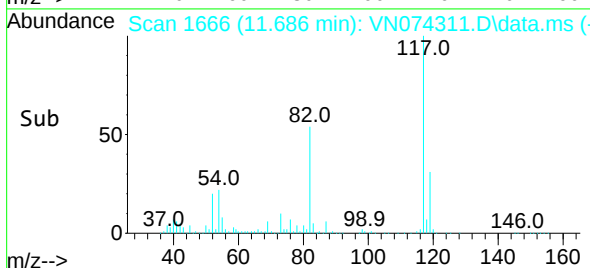
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

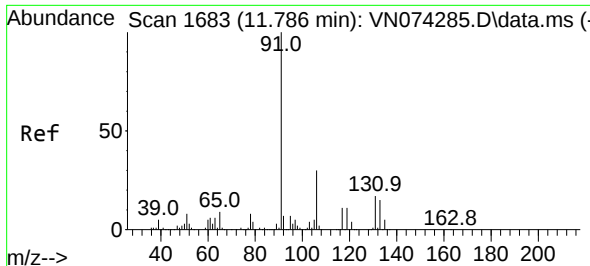


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51



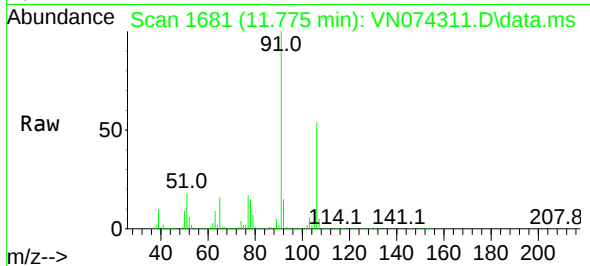
Tgt Ion:117 Resp: 761692
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 30.7 25.4 38.0





#67
Ethyl Benzene
Concen: 696.810 ug/l m
RT: 11.775 min Scan# 1681
Delta R.T. -0.011 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

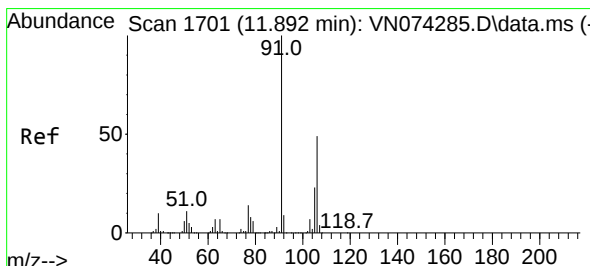
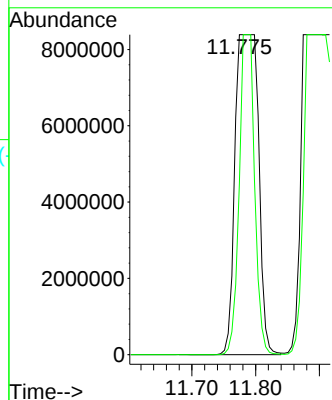
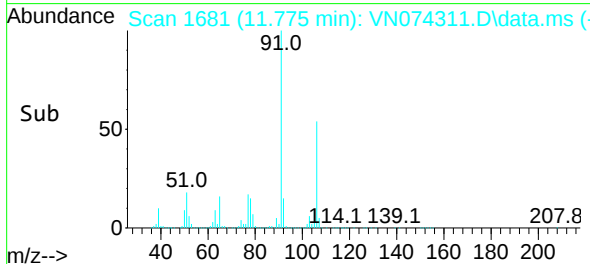
Instrument :
MSVOA_N
ClientSampleId :
DUP082322



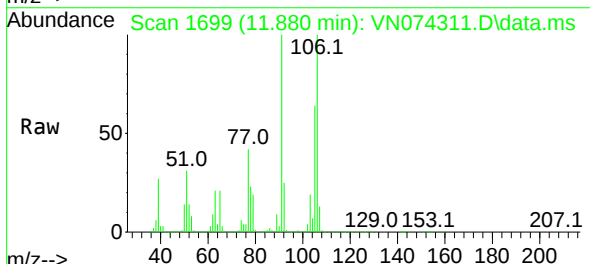
Tgt Ion: 91 Resp:2138841
Ion Ratio Lower Upper
91 100
106 53.6 24.9 37.3#

Manual Integrations
APPROVED

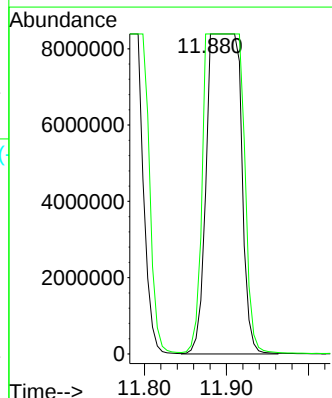
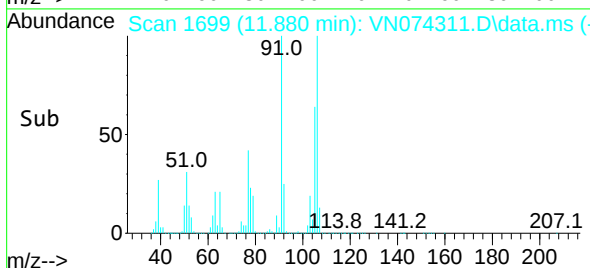
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

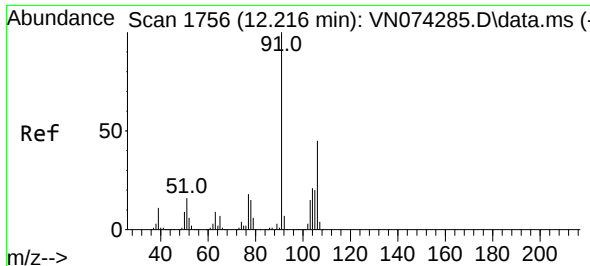


#68
m/p-Xylenes
Concen: 2106.227 ug/l m
RT: 11.880 min Scan# 1699
Delta R.T. -0.012 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51



Tgt Ion:106 Resp:24133329
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3#





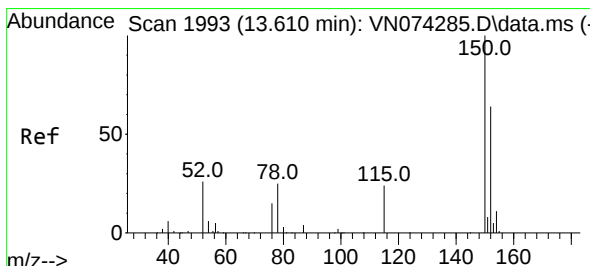
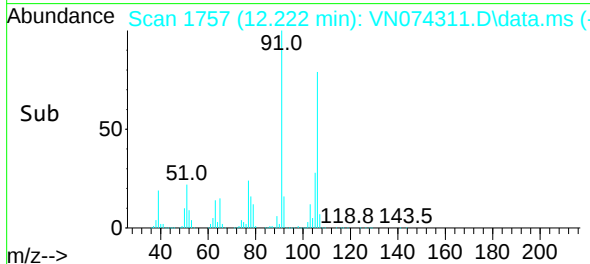
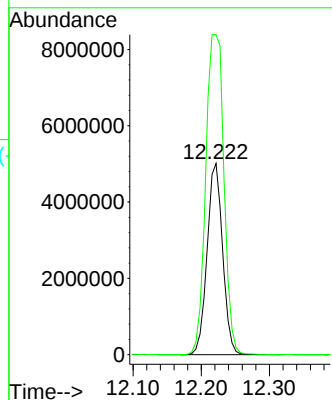
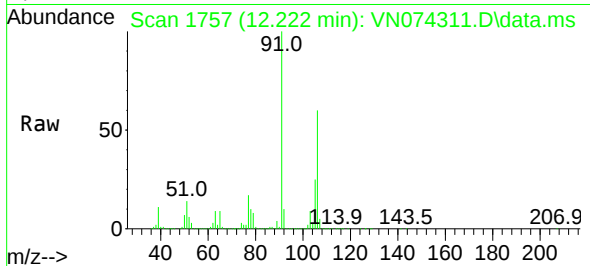
#69
o-Xylene
Concen: 691.787 ug/l
RT: 12.222 min Scan# 1756
Delta R.T. 0.001 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

Instrument :
MSVOA_N
ClientSampleId :
DUP082322

Tgt Ion:106 Resp: 7911260
Ion Ratio Lower Upper
106 100
91 196.8 106.0 318.0

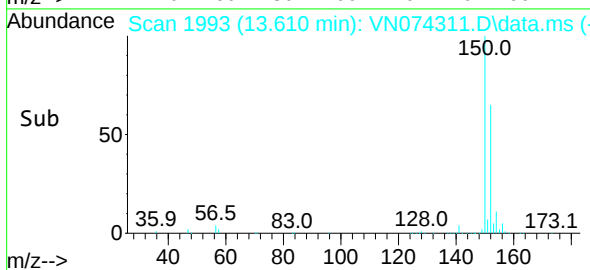
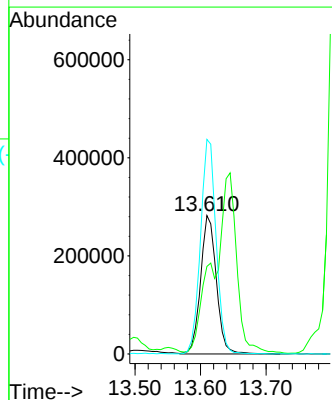
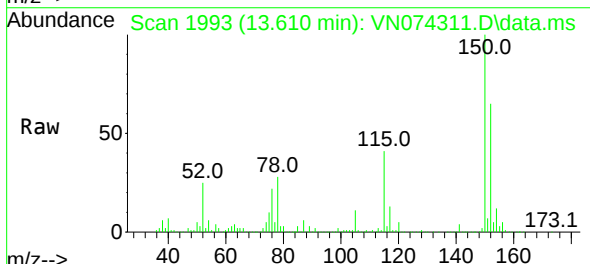
Manual Integrations
APPROVED

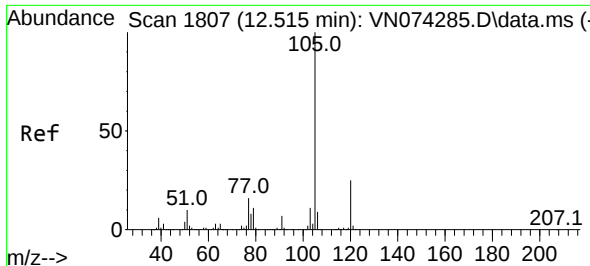
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

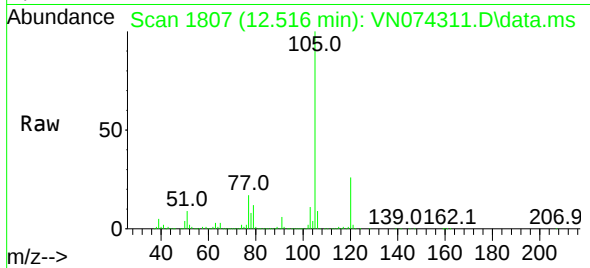
Tgt Ion:152 Resp: 474842
Ion Ratio Lower Upper
152 100
115 0.0 28.9 86.7#
150 152.7 0.0 356.2





#73
Isopropylbenzene
Concen: 56.327 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

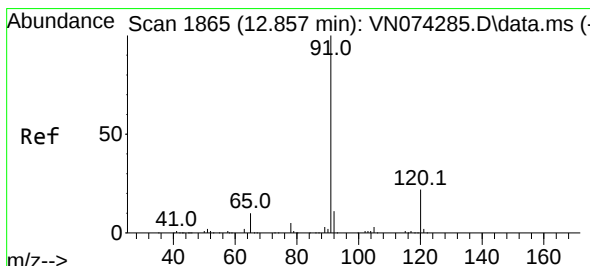
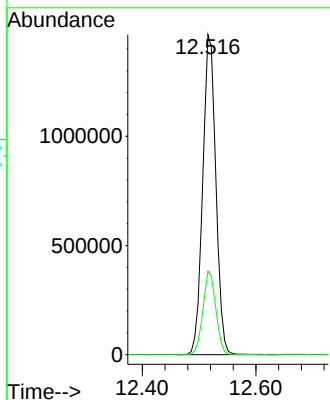
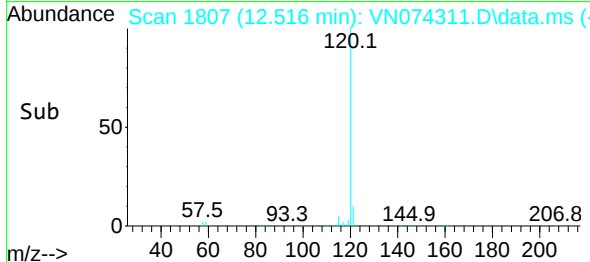
Instrument :
MSVOA_N
ClientSampleId :
DUP082322



Tgt Ion:105 Resp: 234206
Ion Ratio Lower Upper
105 100
120 25.5 13.5 40.4

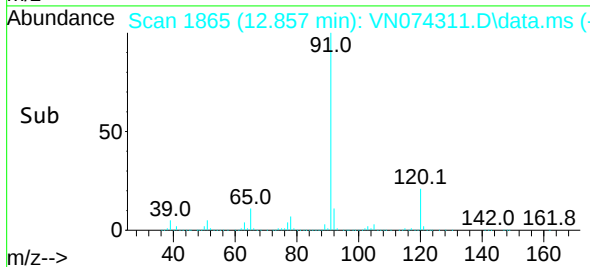
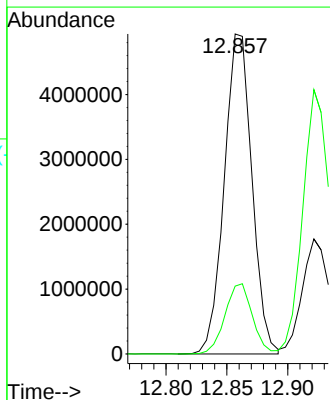
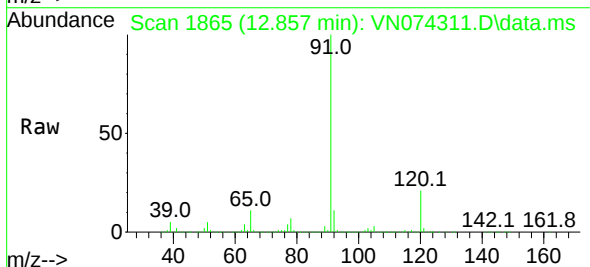
Manual Integrations
APPROVED

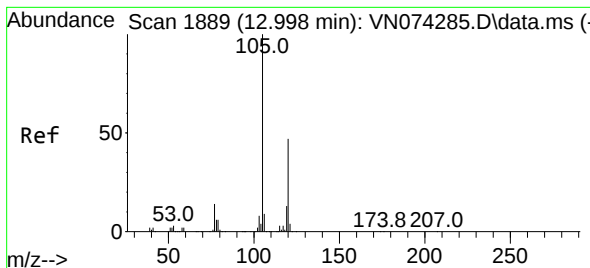
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#78
n-propylbenzene
Concen: 164.144 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

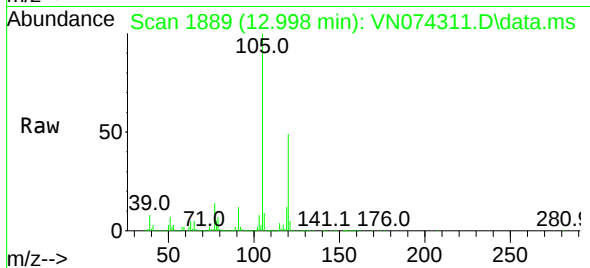
Tgt Ion: 91 Resp: 7801509
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.5





#80
 1,3,5-Trimethylbenzene
 Concen: 213.370 ug/l
 RT: 12.998 min Scan# 1889
 Delta R.T. -0.000 min
 Lab File: VN074311.D
 Acq: 03 Sep 2022 01:51

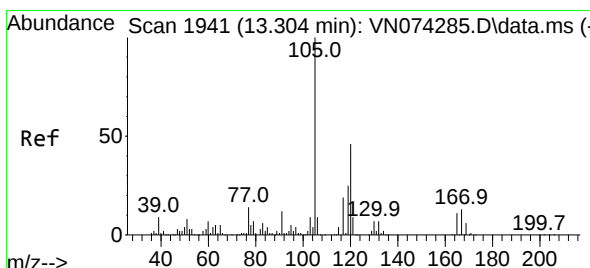
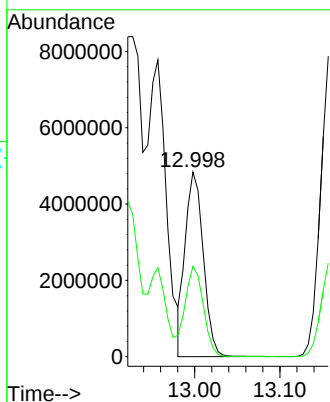
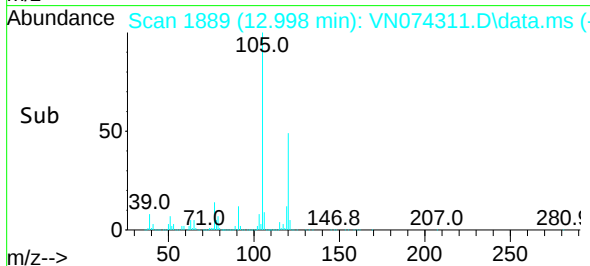
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP082322



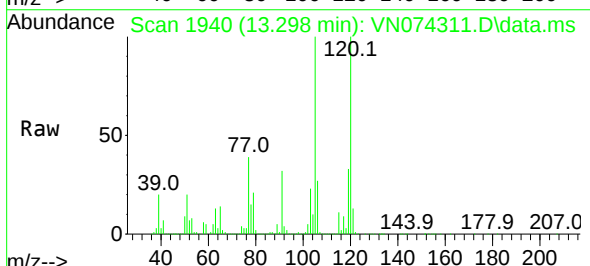
Tgt Ion:105 Resp: 711348
 Ion Ratio Lower Upper
 105 100
 120 51.3 24.9 74.7

Manual Integrations
 APPROVED

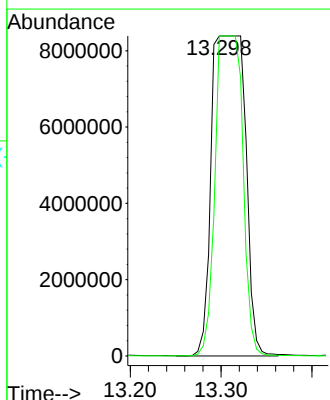
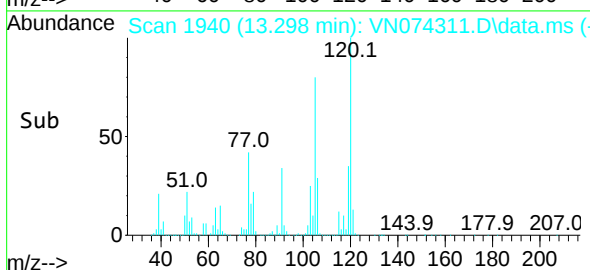
Reviewed By :John Carlone 09/03/2022
 Supervised By :Mahesh Dadoda 09/06/2022

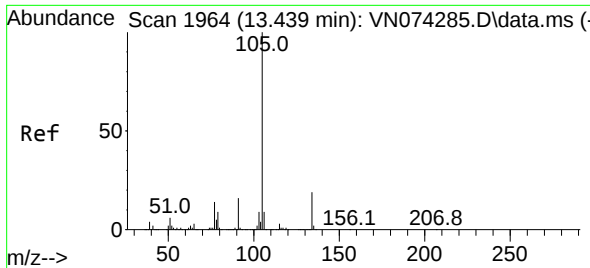


#84
 1,2,4-Trimethylbenzene
 Concen: 643.193 ug/l m
 RT: 13.298 min Scan# 1940
 Delta R.T. -0.012 min
 Lab File: VN074311.D
 Acq: 03 Sep 2022 01:51



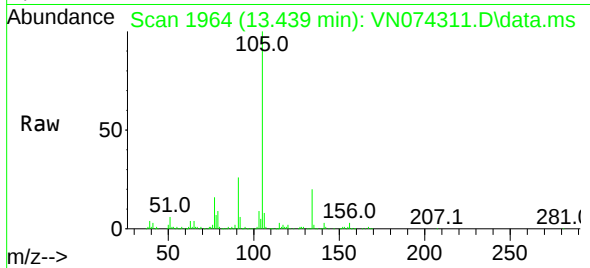
Tgt Ion:105 Resp:21721373
 Ion Ratio Lower Upper
 105 100
 120 17.9 23.3 69.8#





#85
 sec-Butylbenzene
 Concen: 7.373 ug/l m
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN074311.D
 Acq: 03 Sep 2022 01:51

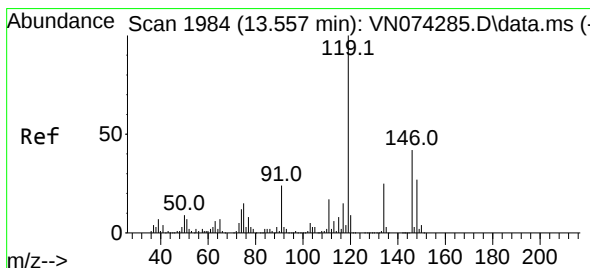
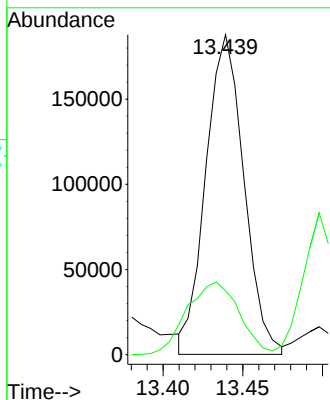
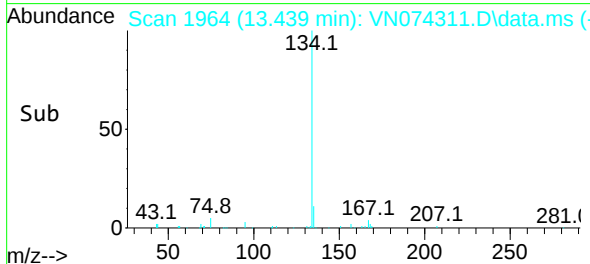
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP082322



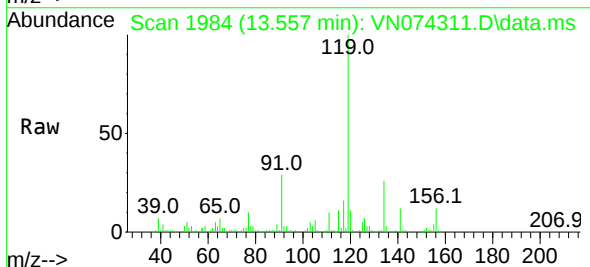
Tgt Ion:105 Resp: 31147
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

Manual Integrations
 APPROVED

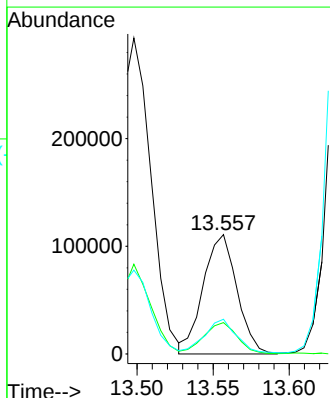
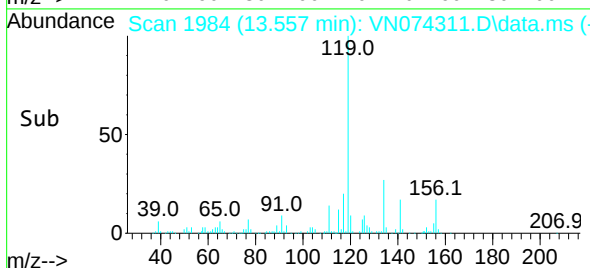
Reviewed By :John Carlone 09/03/2022
 Supervised By :Mahesh Dadoda 09/06/2022

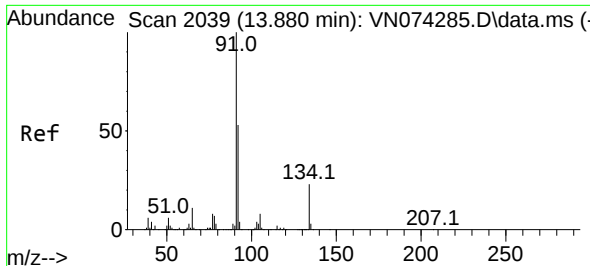


#86
 p-Isopropyltoluene
 Concen: 5.191 ug/l m
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN074311.D
 Acq: 03 Sep 2022 01:51



Tgt Ion:119 Resp: 170826
 Ion Ratio Lower Upper
 119 100
 134 71.2 13.3 39.8#
 91 0.0 11.3 33.9#





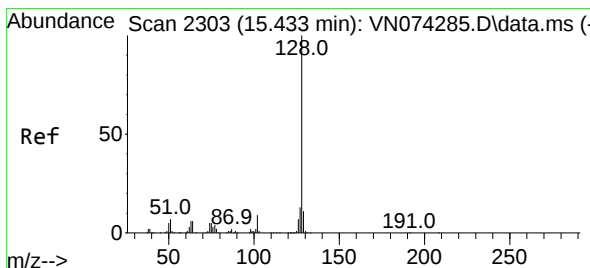
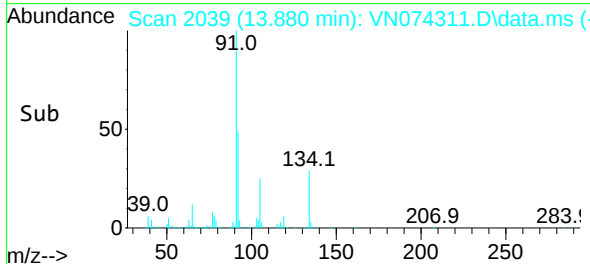
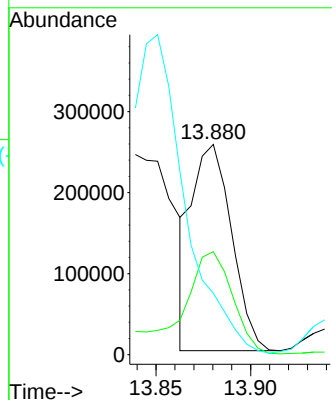
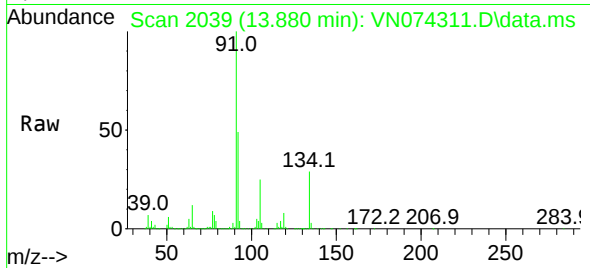
#89
n-Butylbenzene
Concen: 12.907 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

Instrument :
MSVOA_N
ClientSampleId :
DUP082322

Tgt Ion: 91 Resp: 370579
Ion Ratio Lower Upper
91 100
92 59.2 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#95
Naphthalene
Concen: 425.061 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN074311.D
Acq: 03 Sep 2022 01:51

Tgt Ion:128 Resp:14807840
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.1 8.6 13.0

