

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070633.D
 Acq On : 14 Jan 2022 19:28
 Operator : JC/MD
 Sample : N1148-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-46

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 17 05:41:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	902778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1556260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1485879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	645225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	712057	54.857	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.720%			
35) Dibromofluoromethane	8.021	113	518329	55.047	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.100%			
50) Toluene-d8	10.441	98	2222987	57.791	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 115.580%			
62) 4-Bromofluorobenzene	12.731	95	966861	69.593	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 139.180%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.385	59	168360	77.899	ug/l #	71
16) Acetone	4.299	43	83357m	9.893	ug/l	
17) Carbon Disulfide	4.527	76	16958	0.676	ug/l	100
25) 2-Butanone	7.340	43	135171	12.740	ug/l #	85
31) Cyclohexane	8.094	56	6090818	297.357	ug/l	86
39) Methylcyclohexane	9.462	83	4268175	226.331	ug/l	88
40) Benzene	8.459	78	42454	0.889	ug/l	91
52) Toluene	10.505	92	2984452	103.248	ug/l	96
67) Ethyl Benzene	11.827	91	28173865m	487.733	ug/l	
68) m/p-Xylenes	11.934	106	30572684m	1453.990	ug/l	
69) o-Xylene	12.270	106	21720360m	1038.532	ug/l	
73) Isopropylbenzene	12.578	105	7286682	121.610	ug/l	98
78) n-propylbenzene	12.913	91	16755227m	252.381	ug/l	
80) 1,3,5-Trimethylbenzene	13.055	105	14771323	307.634	ug/l	99
84) 1,2,4-Trimethylbenzene	13.350	105	26429090m	571.613	ug/l	
85) sec-Butylbenzene	13.501	105	653761	11.389	ug/l #	65
86) p-Isopropyltoluene	13.616	119	403444	8.947	ug/l #	76
89) n-Butylbenzene	13.940	91	875057	23.266	ug/l #	74
95) Naphthalene	15.493	128	20905257m	687.347	ug/l	

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

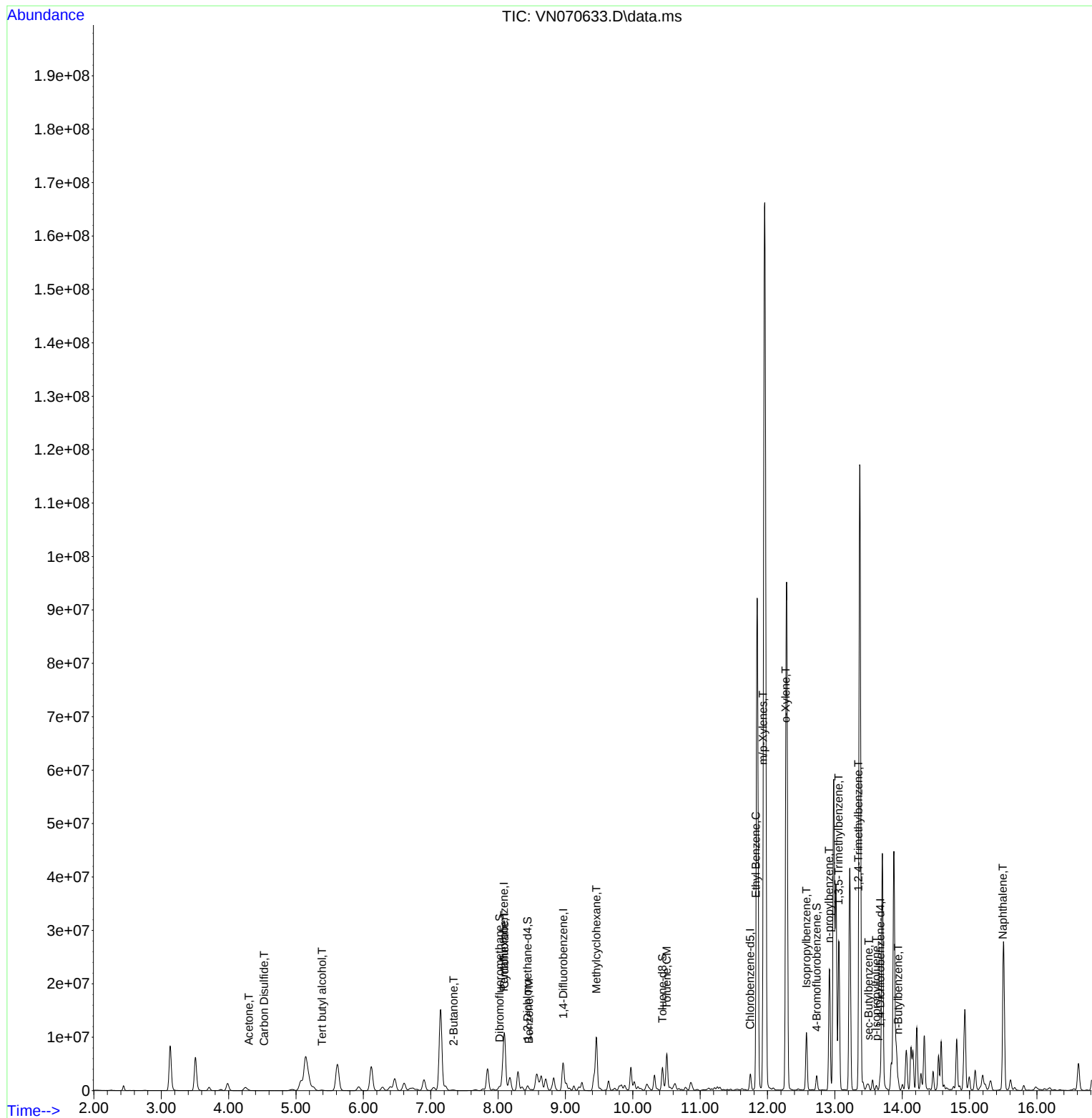
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
Data File : VN070633.D
Acq On : 14 Jan 2022 19:28
Operator : JC/MD
Sample : N1148-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

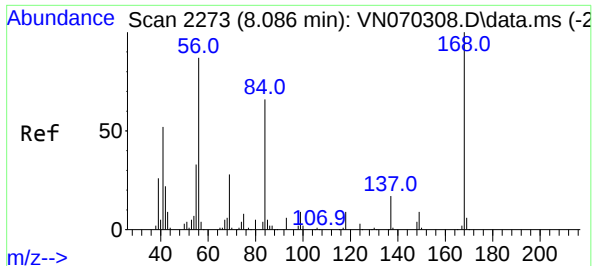
Instrument :
MSVOA_N
ClientSampleId :
MW-46

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/17/2022
Supervised By : Mahesh Dadoda 01/18/2022

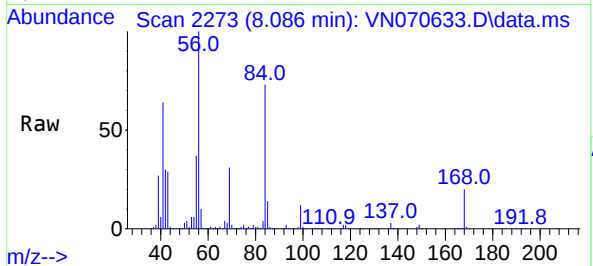
Quant Time: Jan 17 05:41:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

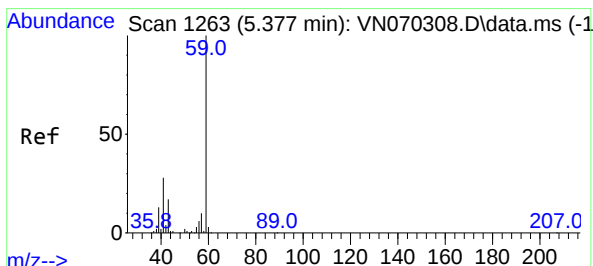
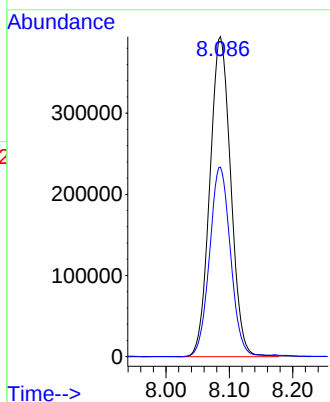
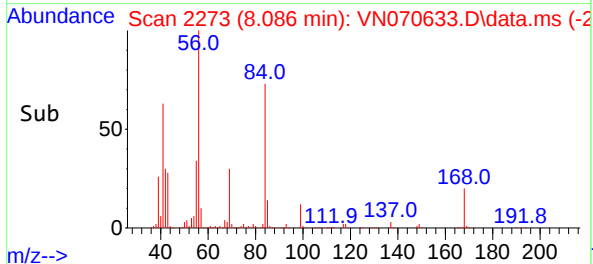
Instrument :
MSVOA_N
ClientSampleId :
MW-46



Tgt Ion:168 Resp: 902778
Ion Ratio Lower Upper
168 100
99 59.3 41.3 61.9

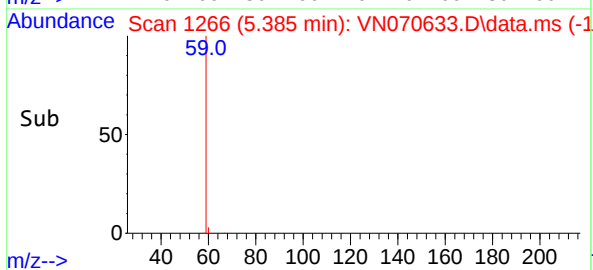
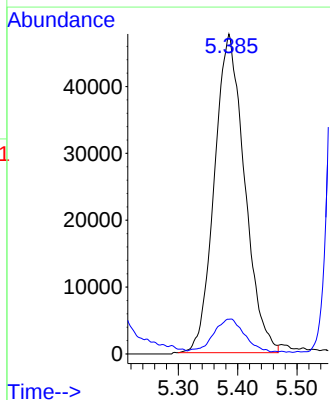
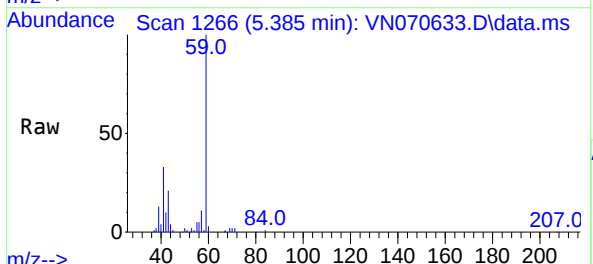
Manual Integrations
APPROVED

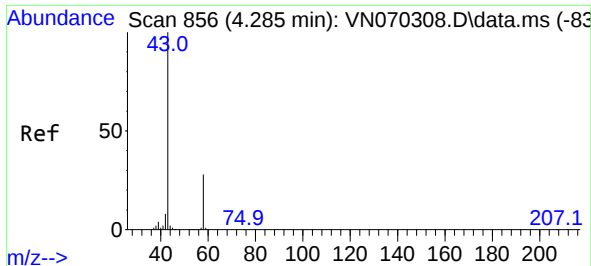
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#11
Tert butyl alcohol
Concen: 77.899 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. 0.008 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

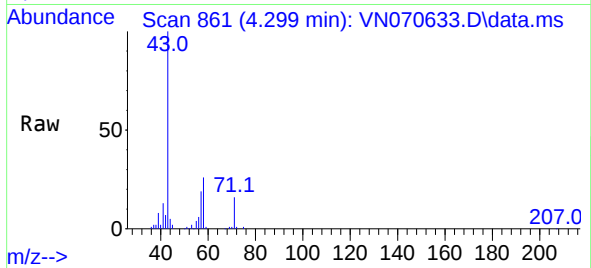
Tgt Ion: 59 Resp: 168360
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#16
Acetone
Concen: 9.893 ug/l m
RT: 4.299 min Scan# 8
Delta R.T. 0.014 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

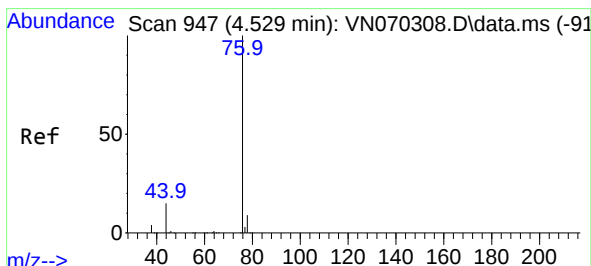
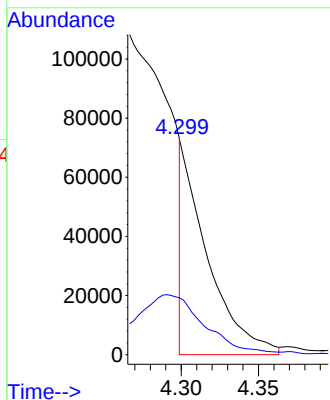
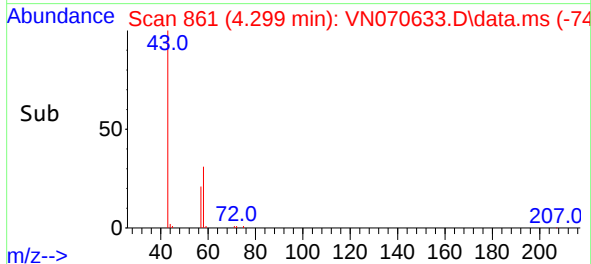
Instrument :
MSVOA_N
ClientSampleId :
MW-46



Tgt Ion: 43 Resp: 8335
Ion Ratio Lower Upper
43 100
58 26.3 23.1 34.7

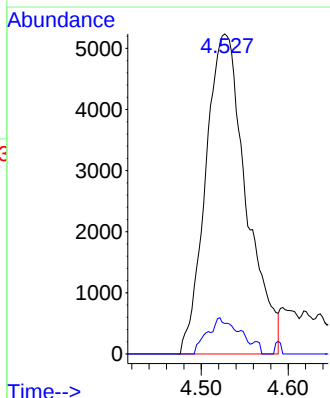
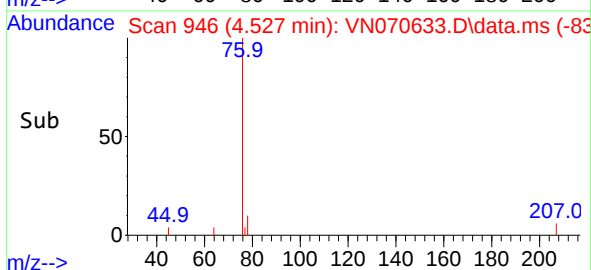
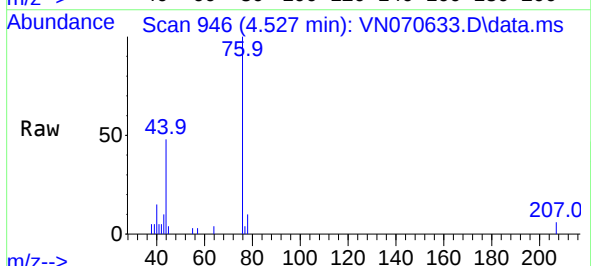
Manual Integrations
APPROVED

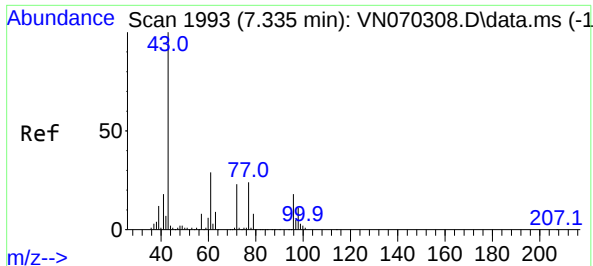
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#17
Carbon Disulfide
Concen: 0.676 ug/l
RT: 4.527 min Scan# 946
Delta R.T. -0.002 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

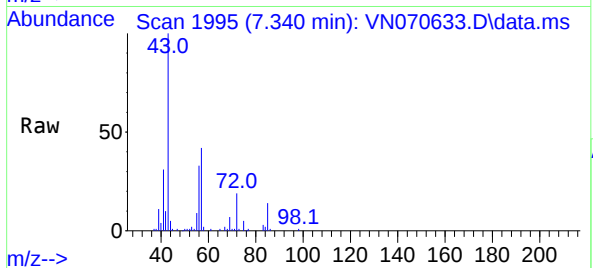
Tgt Ion: 76 Resp: 16958
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3





#25
2-Butanone
Concen: 12.740 ug/l
RT: 7.340 min Scan# 1993
Delta R.T. 0.005 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

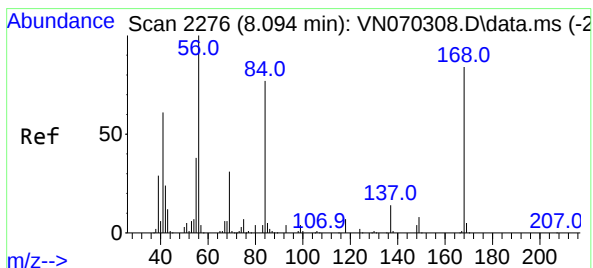
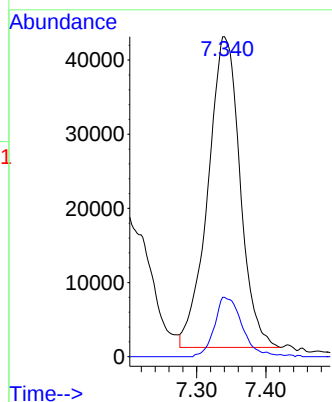
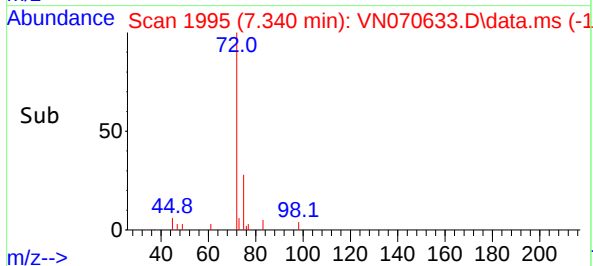
Instrument :
MSVOA_N
ClientSampleId :
MW-46



Tgt Ion: 43 Resp: 13517
Ion Ratio Lower Upper
43 100
72 19.1 21.7 32.5

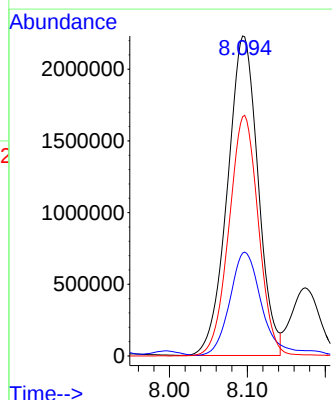
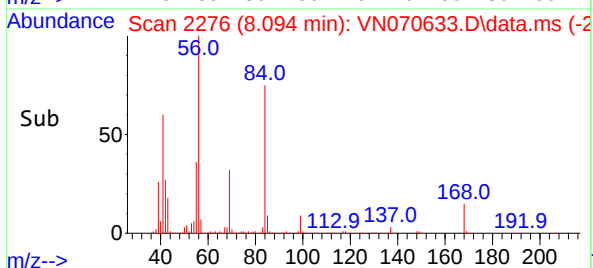
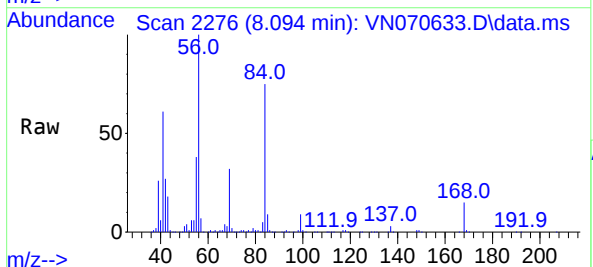
Manual Integrations
APPROVED

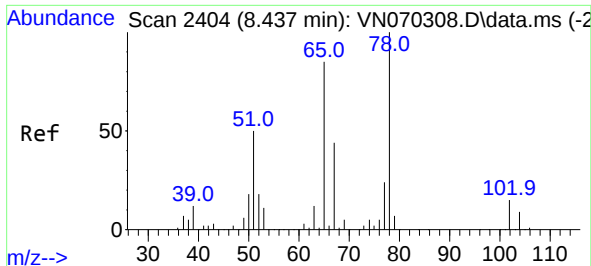
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#31
Cyclohexane
Concen: 297.357 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

Tgt Ion: 56 Resp: 6090818
Ion Ratio Lower Upper
56 100
69 31.3 27.1 40.7
84 74.8 73.4 110.0





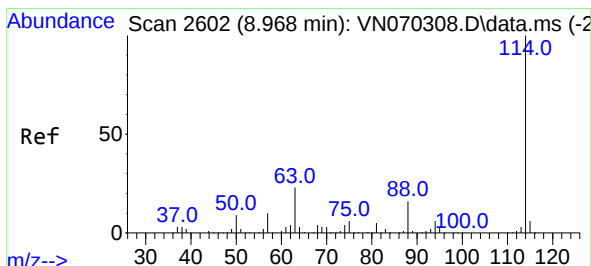
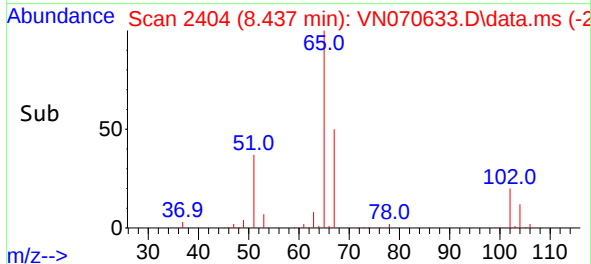
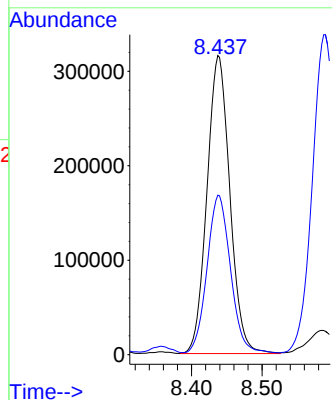
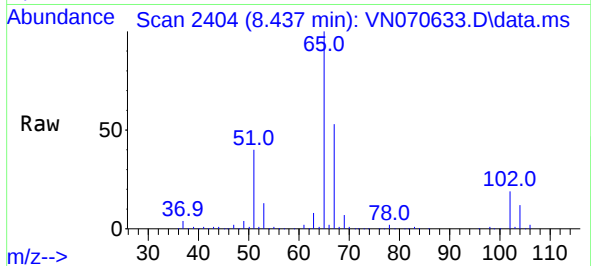
#33
1,2-Dichloroethane-d4
Concen: 54.857 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

Instrument :
MSVOA_N
ClientSampleId :
MW-46

Tgt Ion: 65 Resp: 71205
Ion Ratio Lower Upper
65 100
67 53.9 0.0 103.0

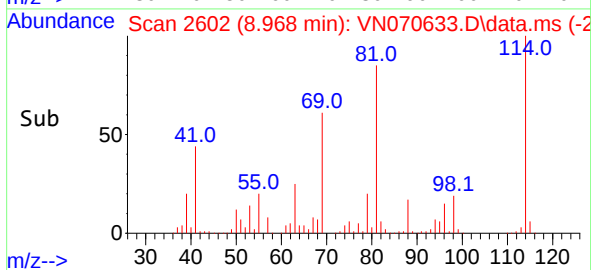
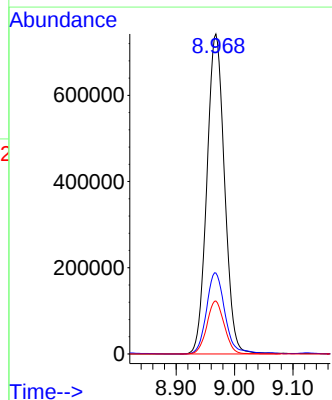
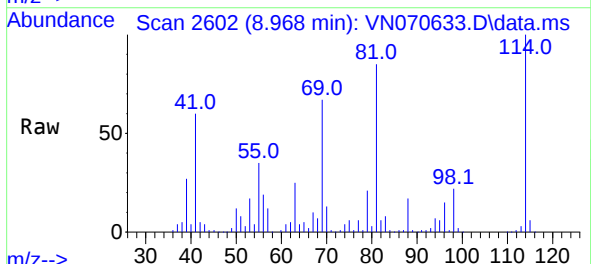
Manual Integrations
APPROVED

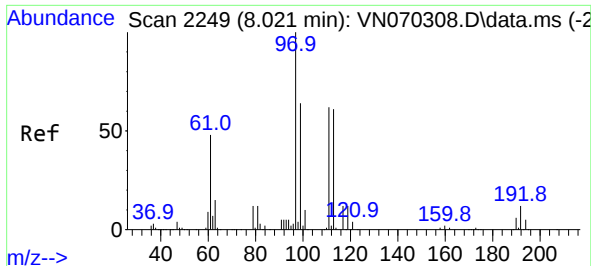
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

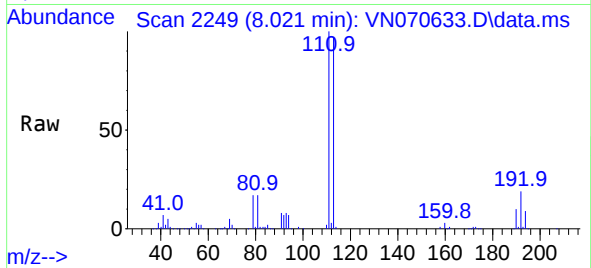
Tgt Ion:114 Resp: 1556260
Ion Ratio Lower Upper
114 100
63 25.3 0.0 37.8
88 16.6 0.0 27.4





#35
Dibromofluoromethane
Concen: 55.047 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

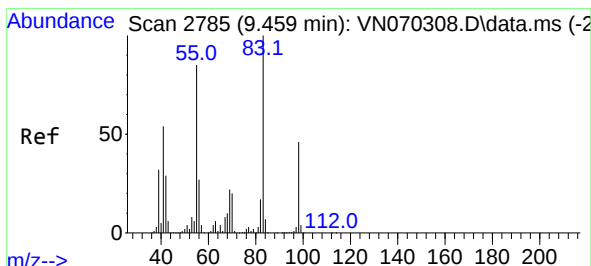
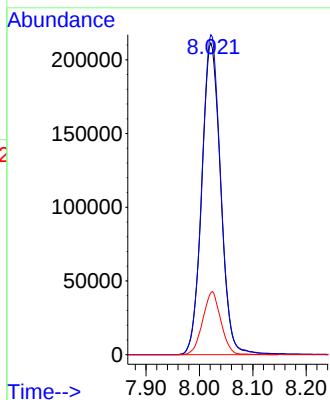
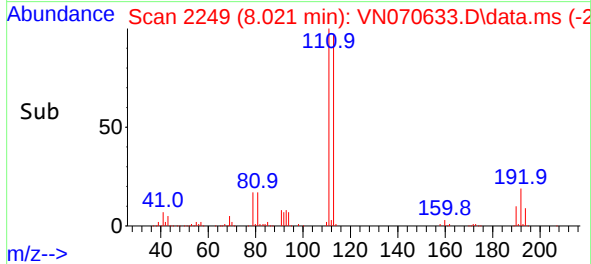
Instrument :
MSVOA_N
ClientSampleId :
MW-46



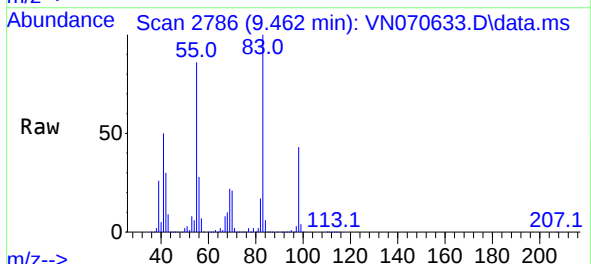
Tgt Ion:113 Resp: 518329
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.5 16.9 25.3

Manual Integrations
APPROVED

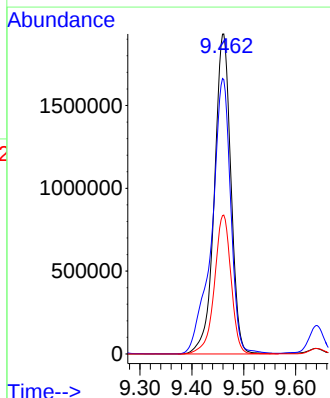
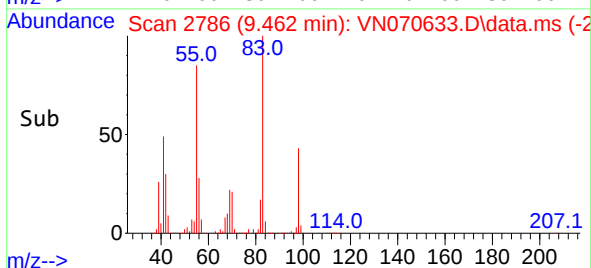
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

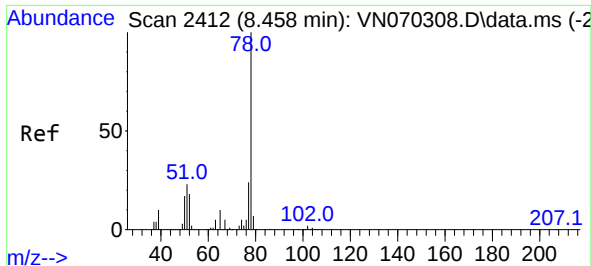


#39
Methylcyclohexane
Concen: 226.331 ug/l
RT: 9.462 min Scan# 2786
Delta R.T. 0.003 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28



Tgt Ion: 83 Resp: 4268175
Ion Ratio Lower Upper
83 100
55 85.7 58.1 87.1
98 43.4 38.4 57.6





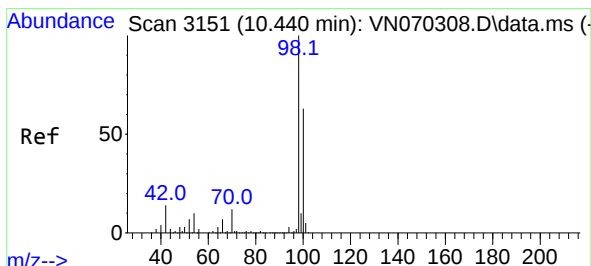
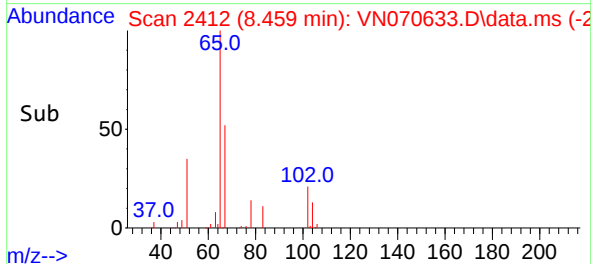
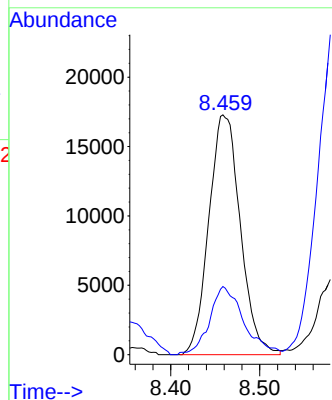
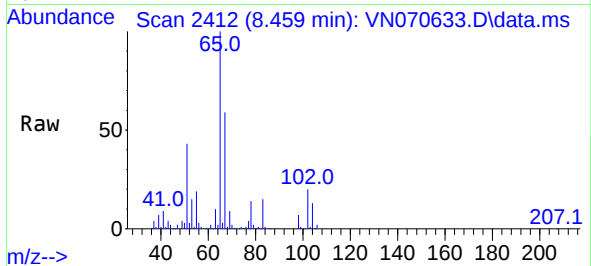
#40
Benzene
Concen: 0.889 ug/l
RT: 8.459 min Scan# 2412
Delta R.T. 0.001 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

Instrument :
MSVOA_N
ClientSampleId :
MW-46

Tgt Ion: 78 Resp: 42454
Ion Ratio Lower Upper
78 100
77 27.5 18.6 27.8

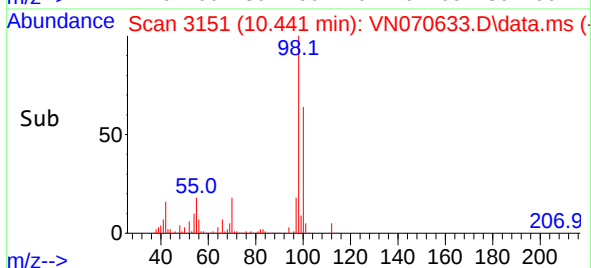
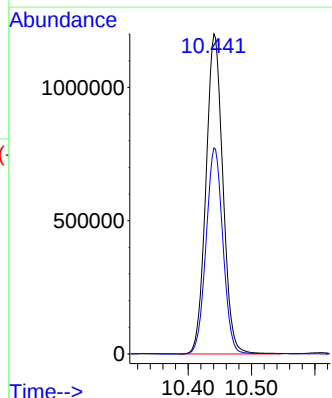
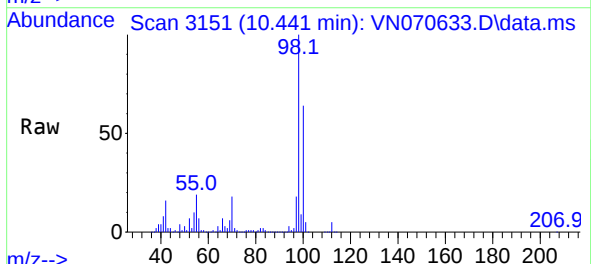
Manual Integrations
APPROVED

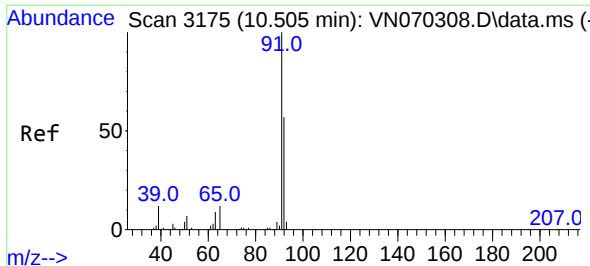
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#50
Toluene-d8
Concen: 57.791 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

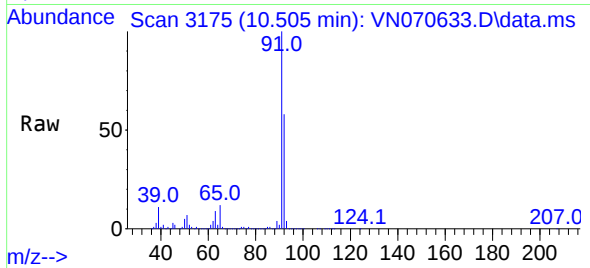
Tgt Ion: 98 Resp: 2222987
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6





#52
Toluene
Concen: 103.248 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

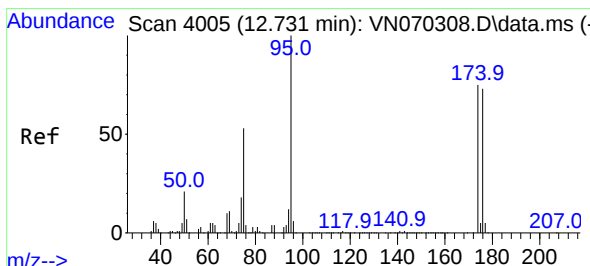
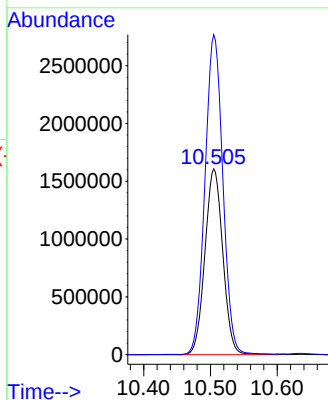
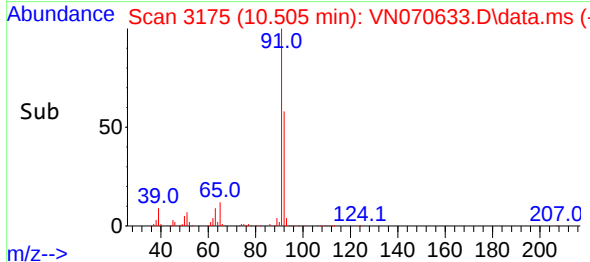
Instrument :
MSVOA_N
ClientSampleId :
MW-46



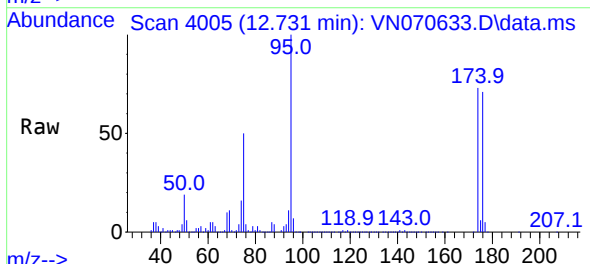
Tgt Ion: 92 Resp: 2984452
Ion Ratio Lower Upper
92 100
91 172.0 142.0 213.0

Manual Integrations
APPROVED

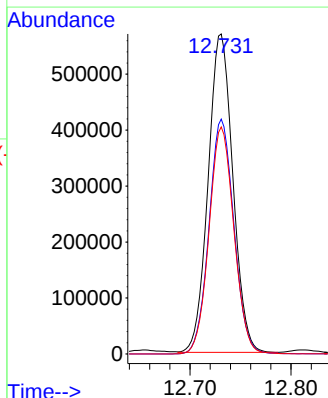
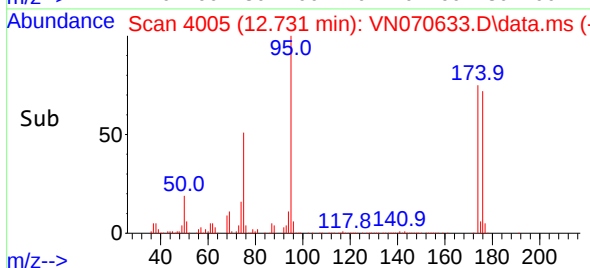
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

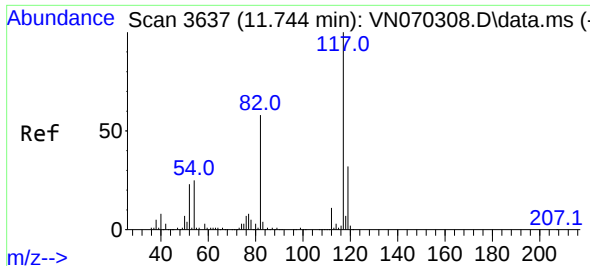


#62
4-Bromofluorobenzene
Concen: 69.593 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28



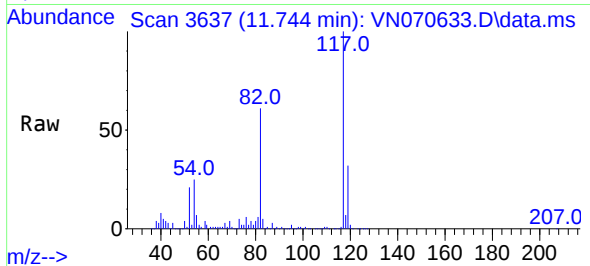
Tgt Ion: 95 Resp: 966861
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.8 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

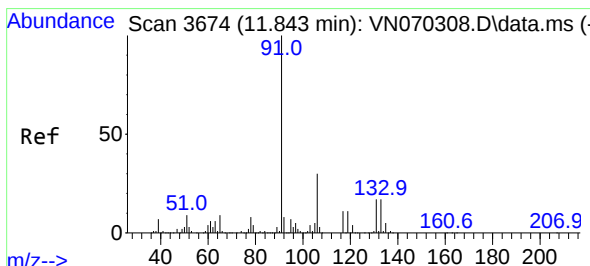
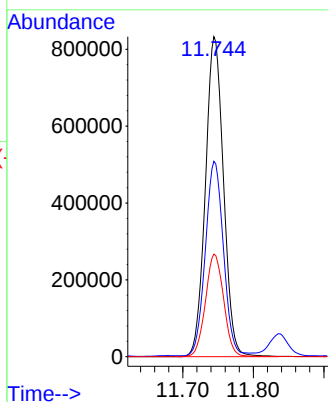
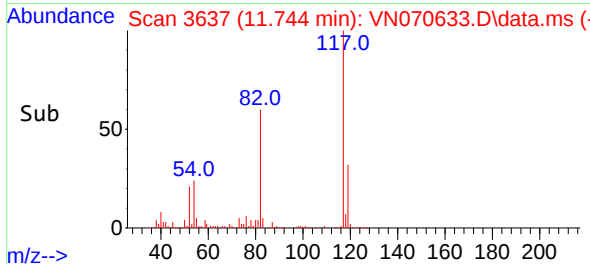
Instrument :
MSVOA_N
ClientSampleId :
MW-46



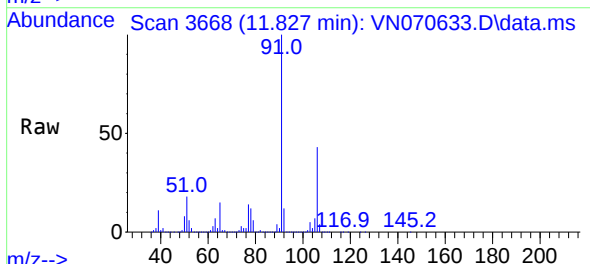
Tgt Ion:117 Resp: 1485879
Ion Ratio Lower Upper
117 100
82 60.7 42.4 63.6
119 32.1 25.4 38.2

Manual Integrations
APPROVED

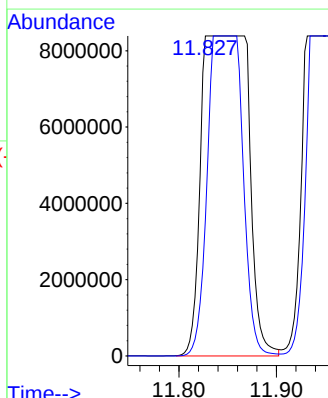
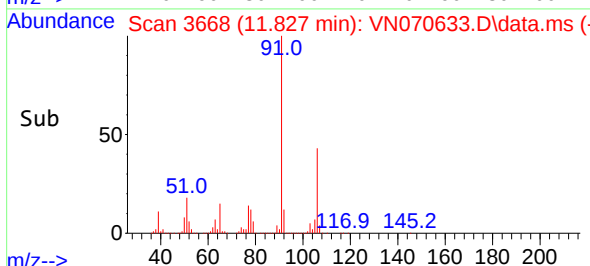
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

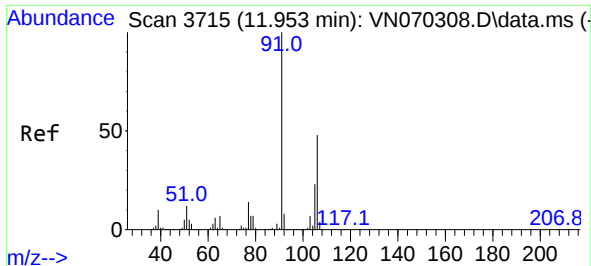


#67
Ethyl Benzene
Concen: 487.733 ug/l m
RT: 11.827 min Scan# 3668
Delta R.T. -0.016 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28



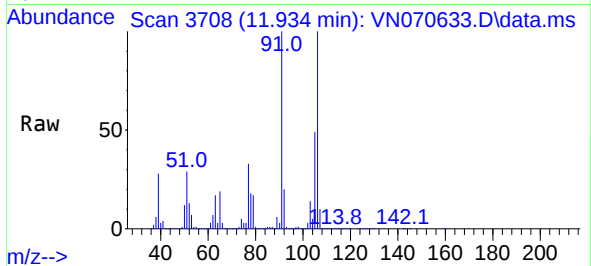
Tgt Ion: 91 Resp:28173865
Ion Ratio Lower Upper
91 100
106 42.7 25.7 38.5#





#68
m/p-Xylenes
Concen: 1453.990 ug/l m
RT: 11.934 min Scan# 31
Delta R.T. -0.019 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

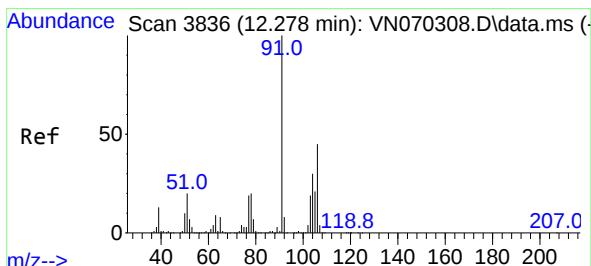
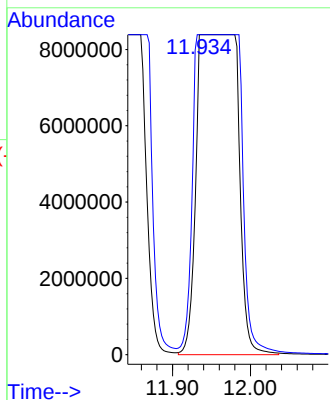
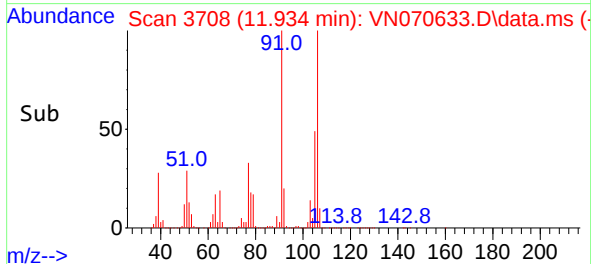
Instrument :
MSVOA_N
ClientSampleId :
MW-46



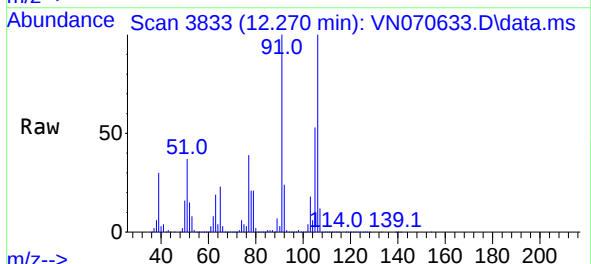
Tgt Ion:106 Resp:30572684
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8

Manual Integrations
APPROVED

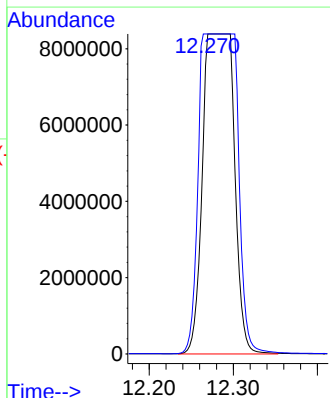
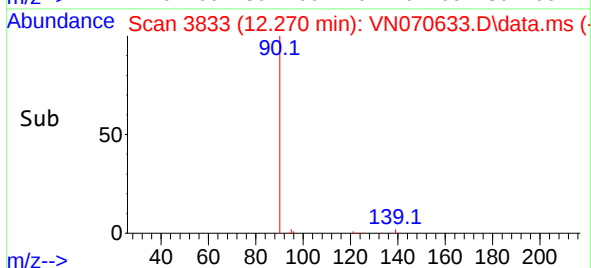
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

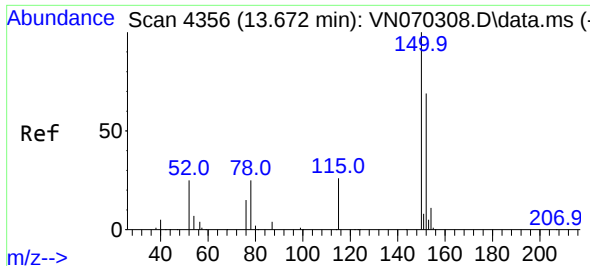


#69
o-Xylene
Concen: 1038.532 ug/l m
RT: 12.270 min Scan# 3833
Delta R.T. -0.008 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28



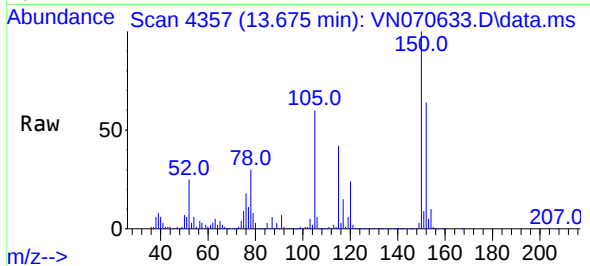
Tgt Ion:106 Resp:21720360
Ion Ratio Lower Upper
106 100
91 0.0 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4356
Delta R.T. 0.003 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

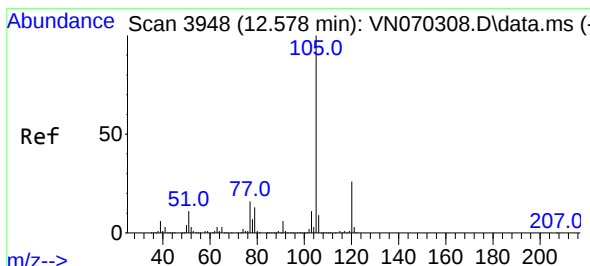
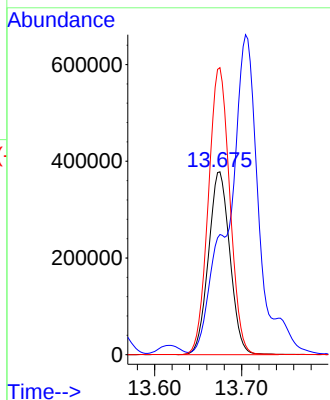
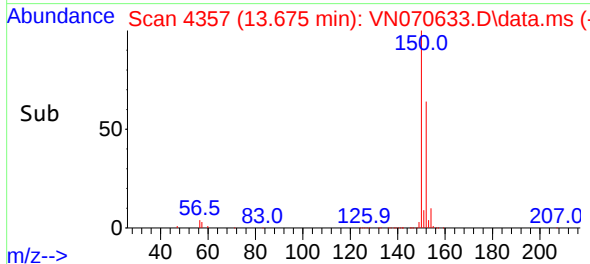
Instrument :
MSVOA_N
ClientSampleId :
MW-46



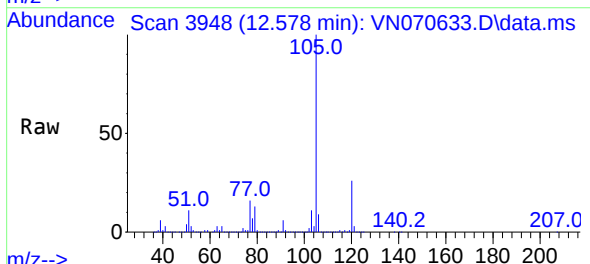
Tgt Ion:152 Resp: 645225
Ion Ratio Lower Upper
152 100
115 47.4 27.5 82.5
150 157.3 0.0 344.4

Manual Integrations
APPROVED

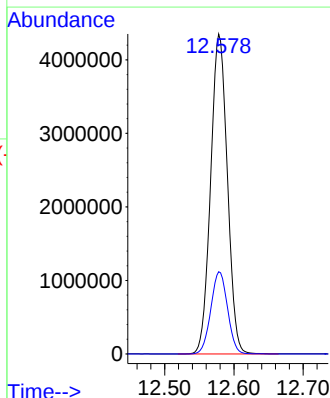
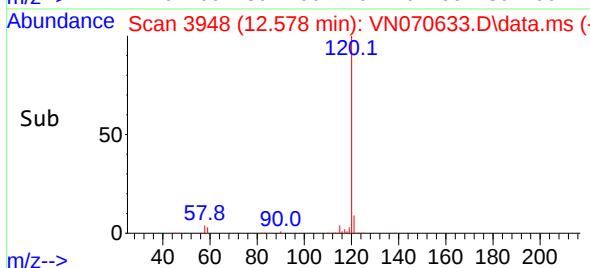
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

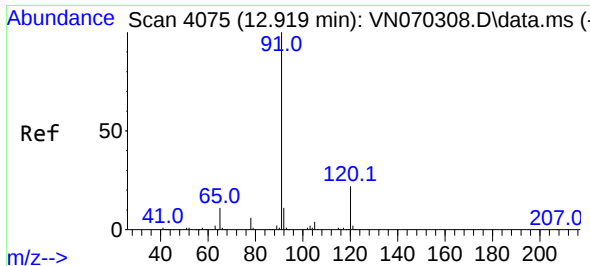


#73
Isopropylbenzene
Concen: 121.610 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28



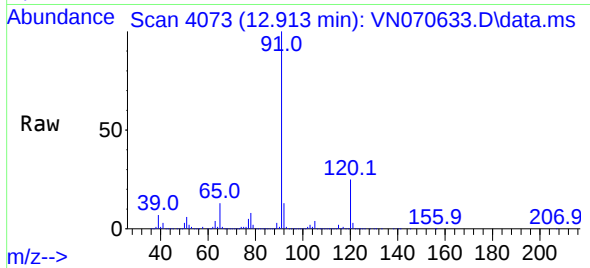
Tgt Ion:105 Resp: 7286682
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1





#78
n-propylbenzene
Concen: 252.381 ug/l m
RT: 12.913 min Scan# 4075
Delta R.T. -0.006 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

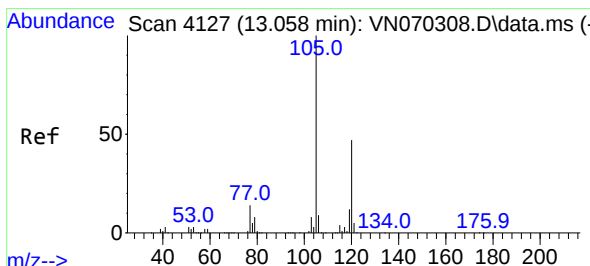
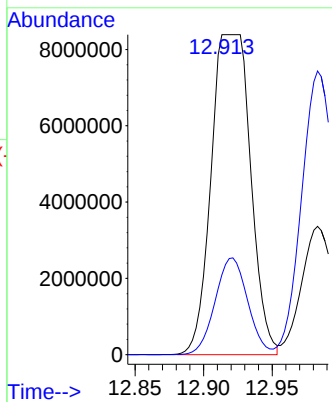
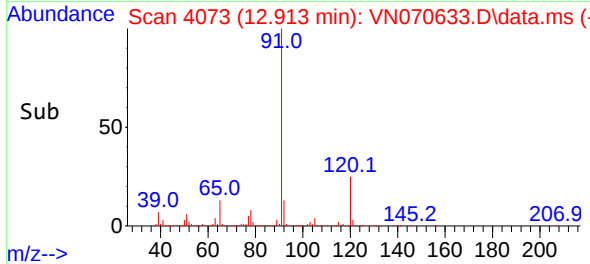
Instrument :
MSVOA_N
ClientSampleId :
MW-46



Tgt Ion: 91 Resp:1675522
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.9

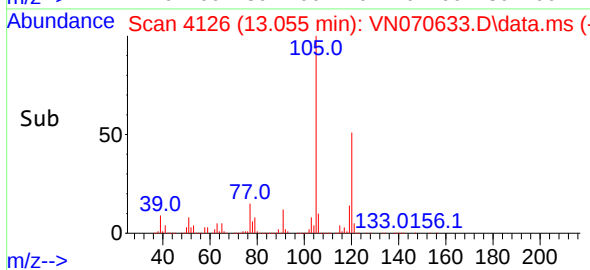
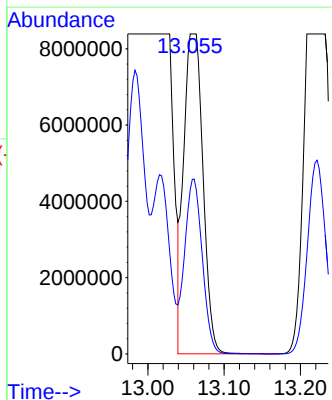
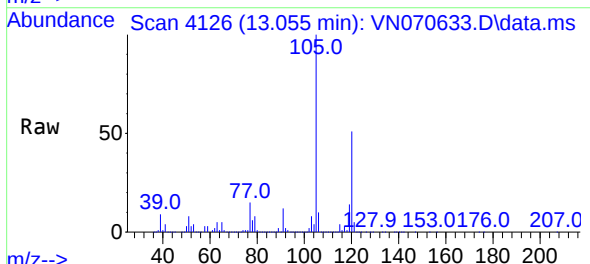
Manual Integrations
APPROVED

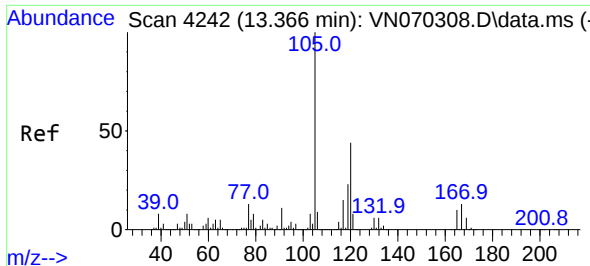
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#80
1,3,5-Trimethylbenzene
Concen: 307.634 ug/l
RT: 13.055 min Scan# 4126
Delta R.T. -0.003 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

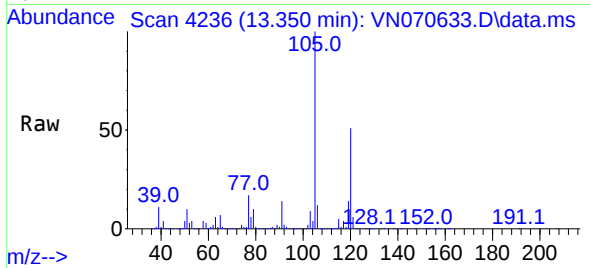
Tgt Ion:105 Resp:14771323
Ion Ratio Lower Upper
105 100
120 49.6 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 571.613 ug/l m
RT: 13.350 min Scan# 4236
Delta R.T. -0.016 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

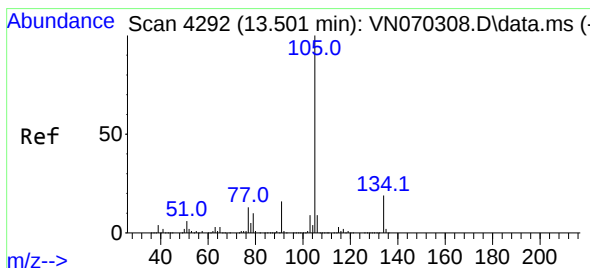
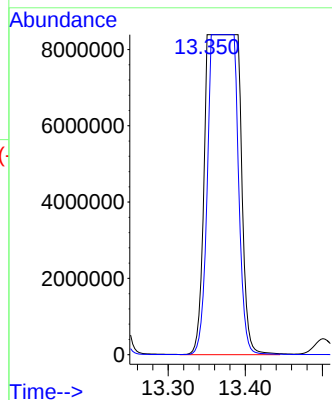
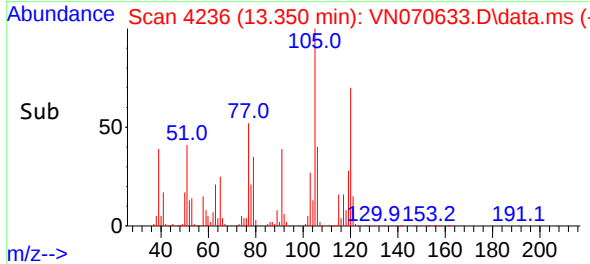
Instrument :
MSVOA_N
ClientSampleId :
MW-46



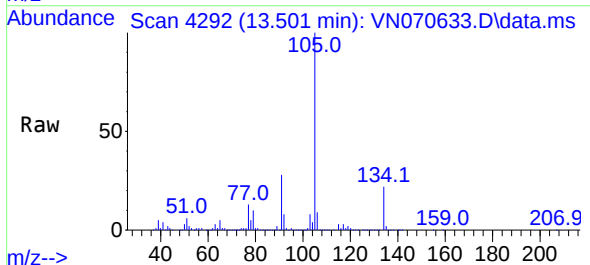
Tgt Ion:105 Resp:26429090
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4

Manual Integrations
APPROVED

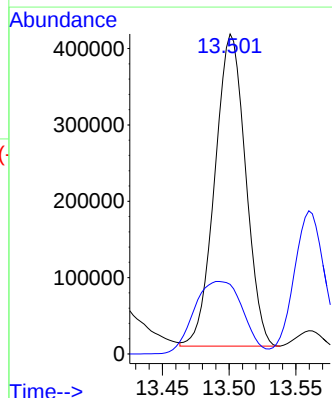
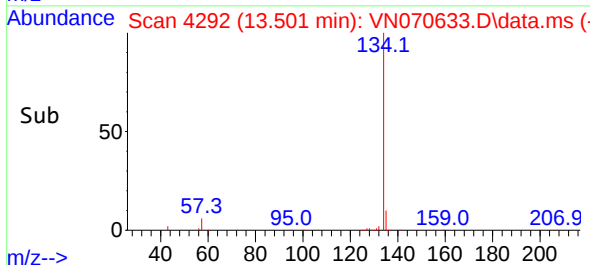
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

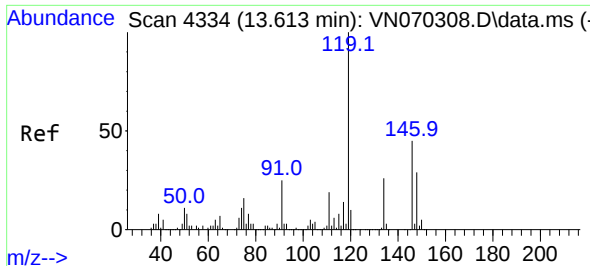


#85
sec-Butylbenzene
Concen: 11.389 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28



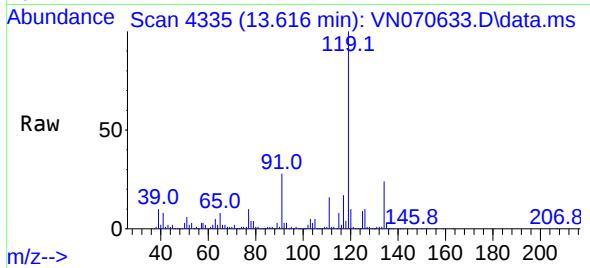
Tgt Ion:105 Resp: 653761
Ion Ratio Lower Upper
105 100
134 36.9 10.4 31.1





#86
p-Isopropyltoluene
Concen: 8.947 ug/l
RT: 13.616 min Scan# 4334
Delta R.T. 0.003 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

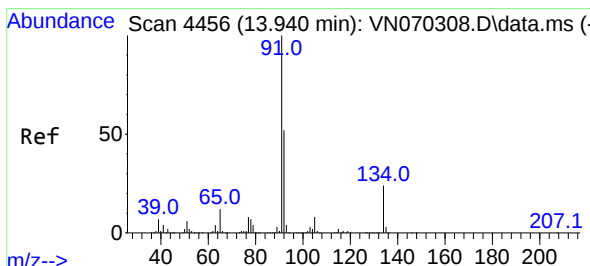
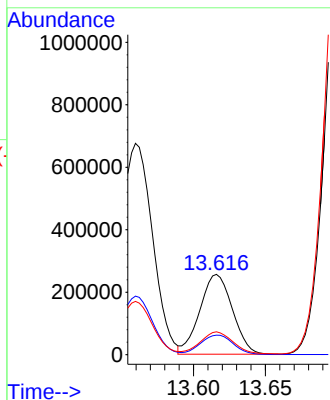
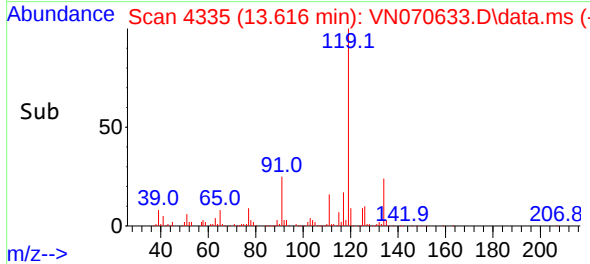
Instrument :
MSVOA_N
ClientSampleId :
MW-46



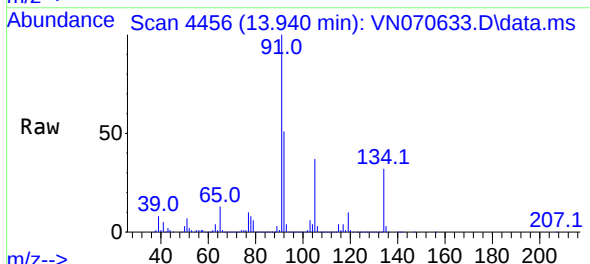
Tgt Ion:119 Resp: 403444
Ion Ratio Lower Upper
119 100
134 24.6 13.6 40.7
91 0.0 11.4 34.1

Manual Integrations
APPROVED

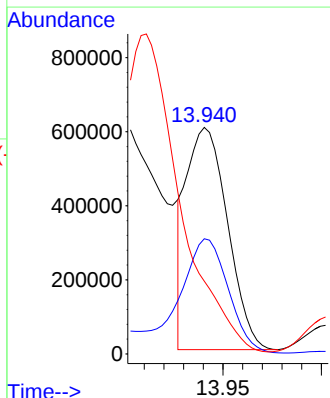
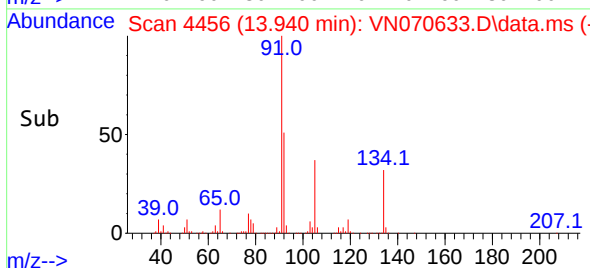
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

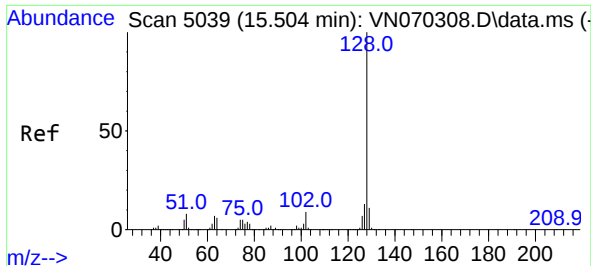


#89
n-Butylbenzene
Concen: 23.266 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28



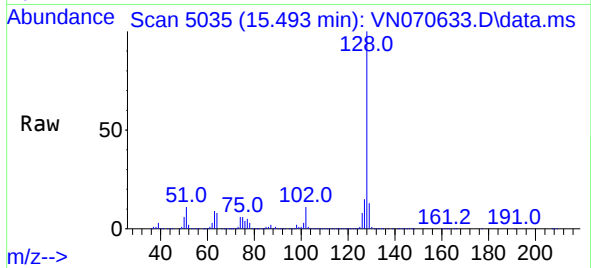
Tgt Ion: 91 Resp: 875057
Ion Ratio Lower Upper
91 100
92 58.8 25.4 76.0
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 687.347 ug/l m
RT: 15.493 min Scan# 50
Delta R.T. -0.011 min
Lab File: VN070633.D
Acq: 14 Jan 2022 19:28

Instrument :
MSVOA_N
ClientSampleId :
MW-46



Tgt Ion:128 Resp:2090525
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7
129 0.0 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

