

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070270.D
 Acq On : 21 Dec 2021 16:18
 Operator : JC/MD
 Sample : M5039-09DL 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-29DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/22/2021
 Supervised By :Semsettin Yesilyurt 12/23/2021

Quant Time: Dec 21 20:11:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	839447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1417746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1249843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	472832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	708012	54.626	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.260%			
35) Dibromofluoromethane	8.024	113	463299	52.171	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.340%			
50) Toluene-d8	10.440	98	1812687	50.835	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.731	95	623262	48.247	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.500%			
Target Compounds					Qvalue	
3) Chloromethane	2.306	50	2715	0.221	ug/l	96
11) Tert butyl alcohol	5.377	59	108778	44.400	ug/l	99
16) Acetone	4.293	43	33146	4.251	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	508373	16.351	ug/l #	89
22) Diisopropyl ether	6.509	45	11699	0.332	ug/l #	85
25) 2-Butanone	7.348	43	27614	2.607	ug/l #	86
31) Cyclohexane	8.091	56	50347m	2.791	ug/l	
39) Methylcyclohexane	9.461	83	22032	1.372	ug/l	94
40) Benzene	8.461	78	358134	8.681	ug/l	99
52) Toluene	10.505	92	96613	3.836	ug/l	98
67) Ethyl Benzene	11.843	91	1273205	27.644	ug/l	95
68) m/p-Xylenes	11.953	106	1154404	68.837	ug/l	92
69) o-Xylene	12.280	106	240540	14.240	ug/l	91
73) Isopropylbenzene	12.575	105	110782	2.633	ug/l	98
78) n-propylbenzene	12.919	91	282127	6.027	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	564027	16.657	ug/l	98
84) 1,2,4-Trimethylbenzene	13.366	105	2086277	64.696	ug/l	98
85) sec-Butylbenzene	13.501	105	10346m	0.254	ug/l	

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

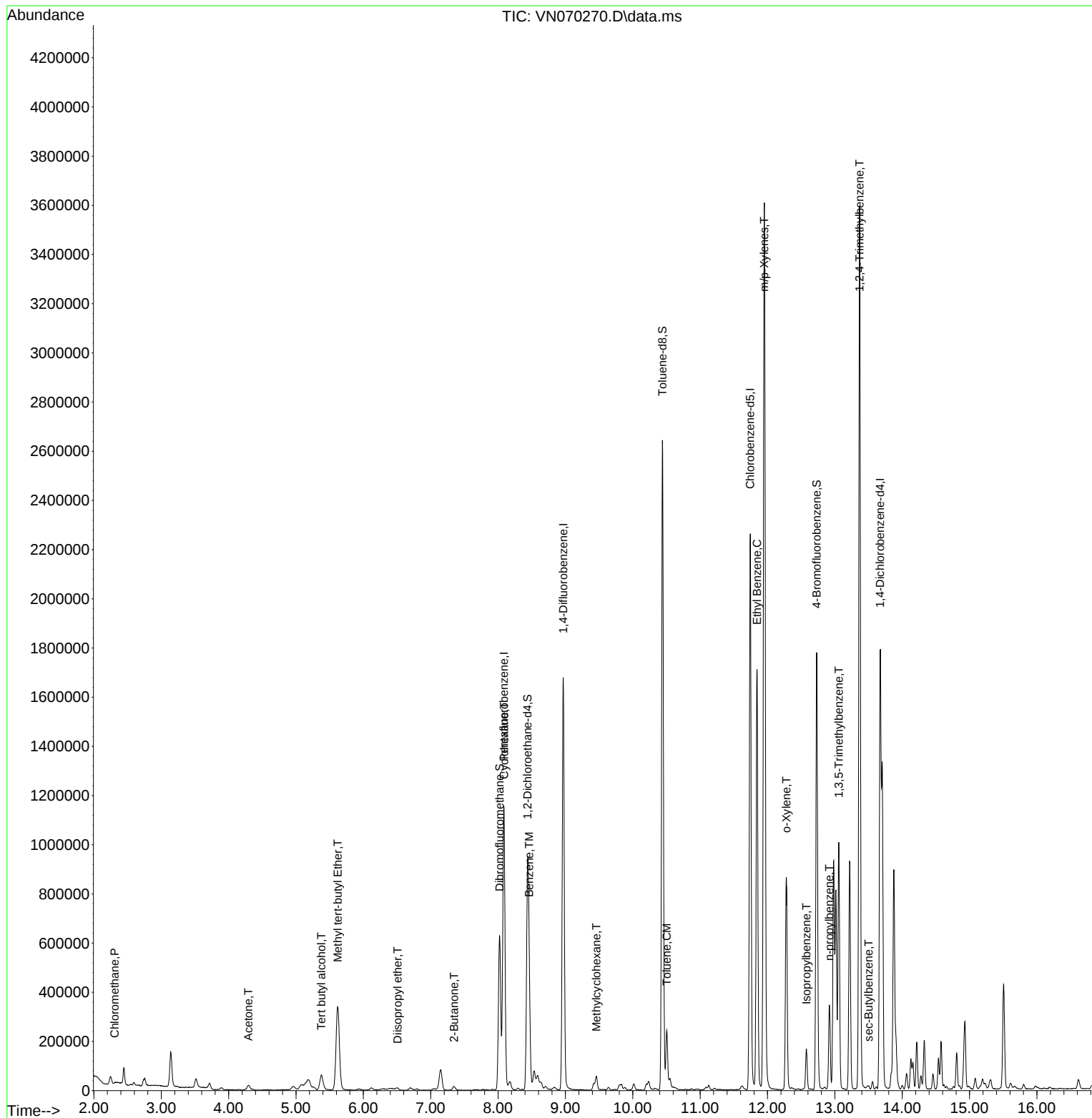
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
Data File : VN070270.D
Acq On : 21 Dec 2021 16:18
Operator : JC/MD
Sample : M5039-09DL 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

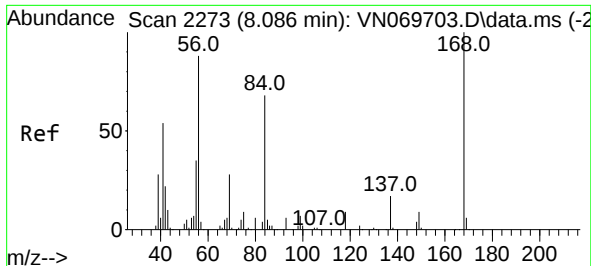
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL

Quant Time: Dec 21 20:11:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

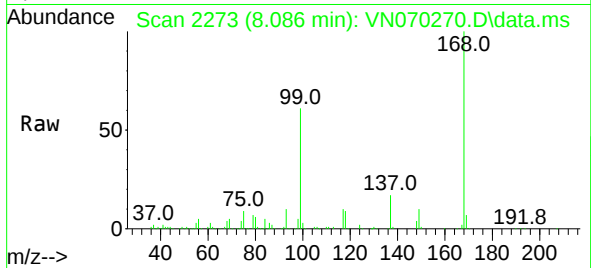
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

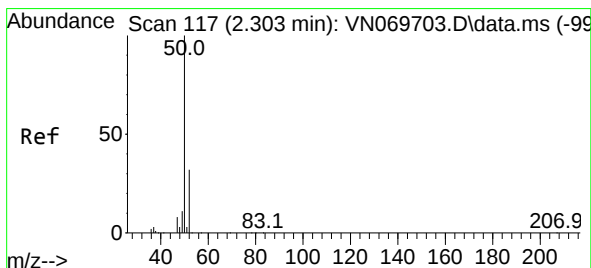
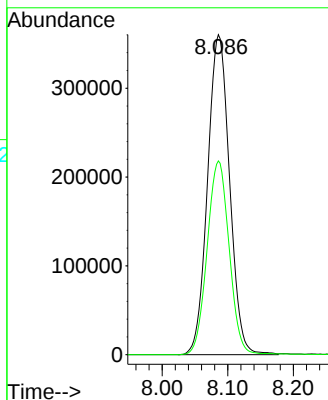
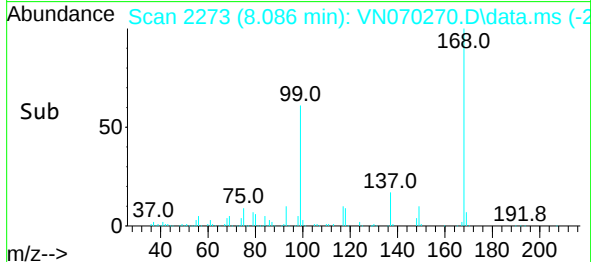
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL



Tgt Ion:168 Resp: 83944
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9

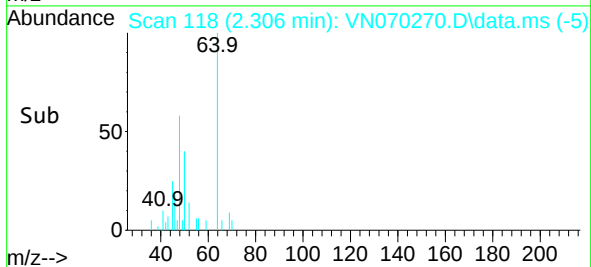
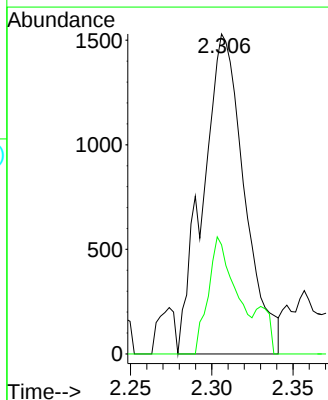
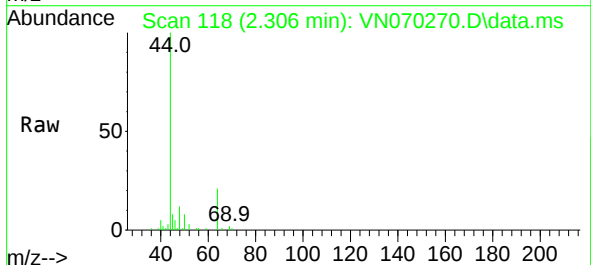
Manual Integrations
APPROVED

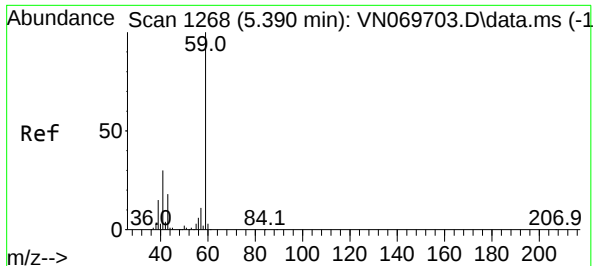
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

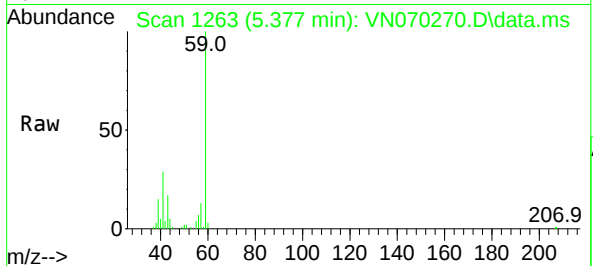
Tgt Ion: 50 Resp: 2715
Ion Ratio Lower Upper
50 100
52 34.1 25.4 38.0





#11
Tert butyl alcohol
Concen: 44.400 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.013 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

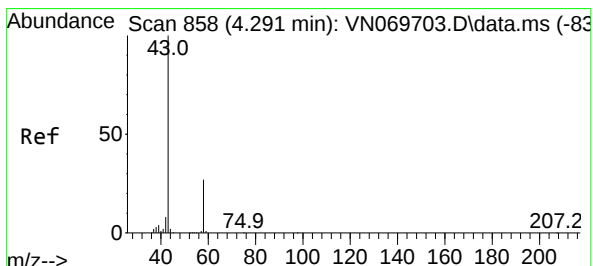
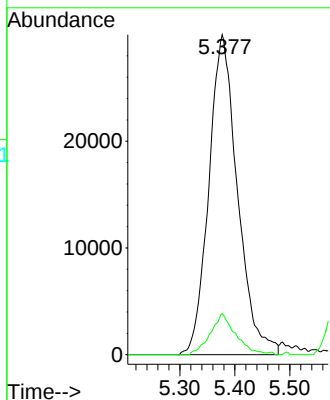
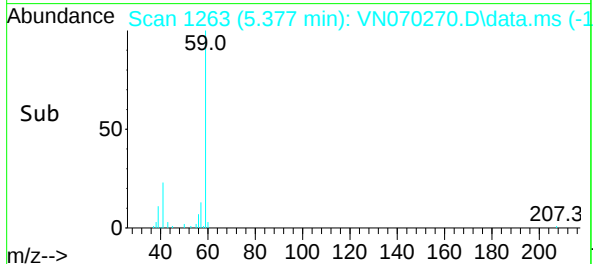
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL



Tgt Ion: 59 Resp: 108778
Ion Ratio Lower Upper
59 100
57 11.2 8.7 13.1

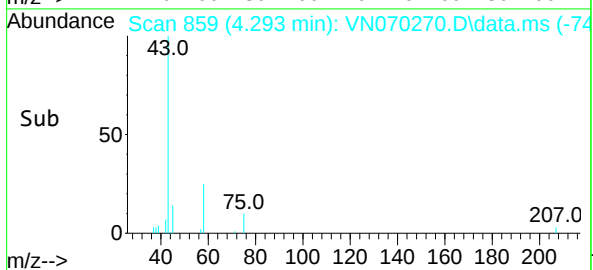
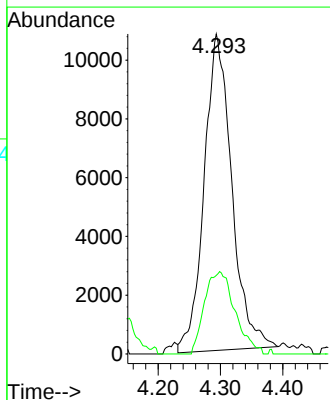
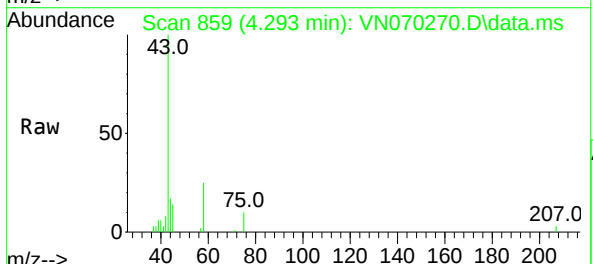
Manual Integrations
APPROVED

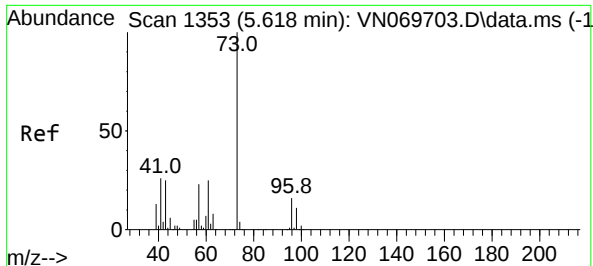
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#16
Acetone
Concen: 4.251 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

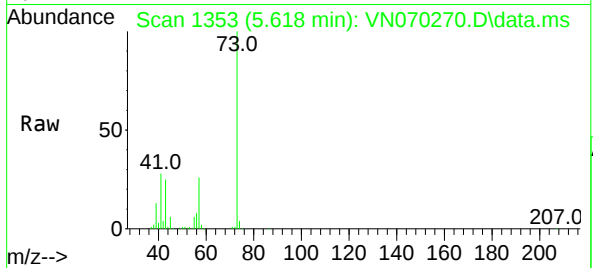
Tgt Ion: 43 Resp: 33146
Ion Ratio Lower Upper
43 100
58 25.1 23.1 34.7





#19
Methyl tert-butyl Ether
Concen: 16.351 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

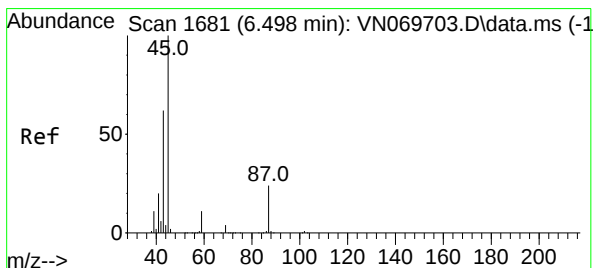
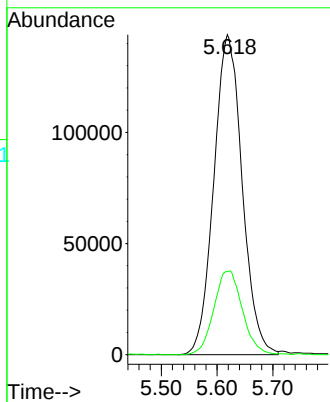
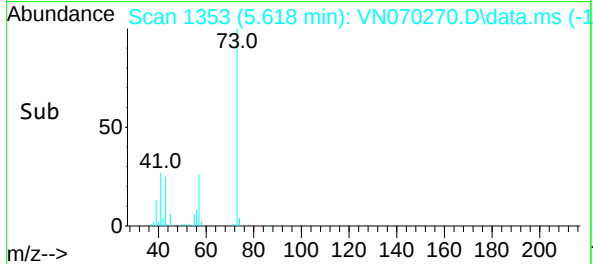
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL



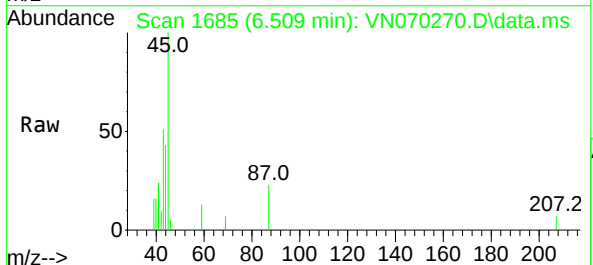
Tgt Ion: 73 Resp: 50837
Ion Ratio Lower Upper
73 100
57 26.0 16.8 25.2

Manual Integrations
APPROVED

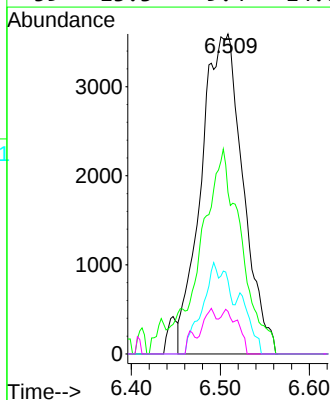
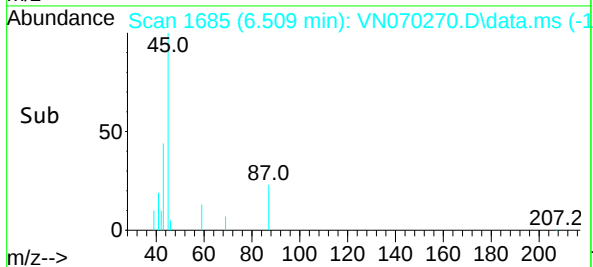
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

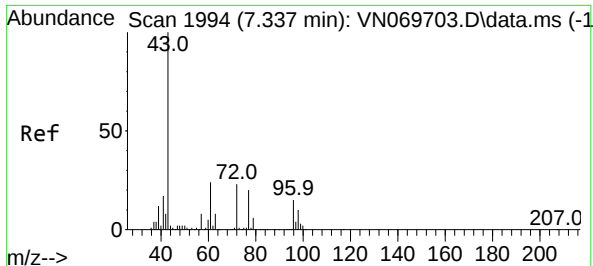


#22
Diisopropyl ether
Concen: 0.332 ug/l
RT: 6.509 min Scan# 1685
Delta R.T. 0.011 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18



Tgt Ion: 45 Resp: 11699
Ion Ratio Lower Upper
45 100
43 50.6 51.7 77.5#
87 22.9 23.2 34.8#
59 13.3 9.4 14.0





#25

2-Butanone

Concen: 2.607 ug/l

RT: 7.348 min Scan# 1994

Delta R.T. 0.011 min

Lab File: VN070270.D

Acq: 21 Dec 2021 16:18

Instrument :

MSVOA_N

ClientSampleId :

MW-29DL

Tgt Ion: 43 Resp: 27614

Ion Ratio Lower Upper

43 100

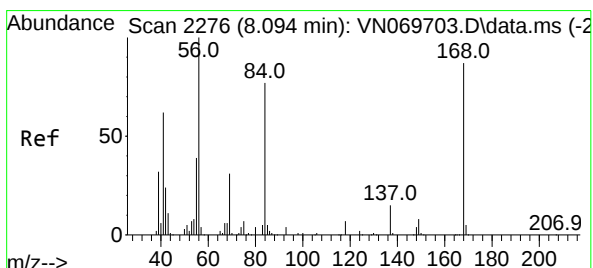
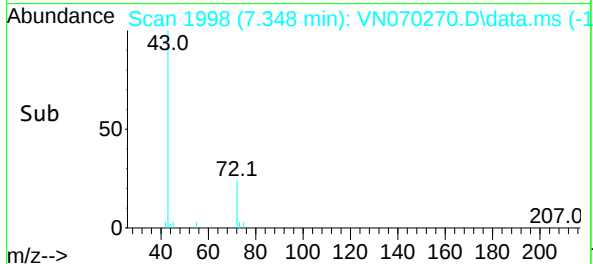
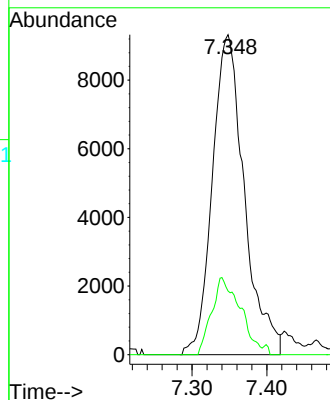
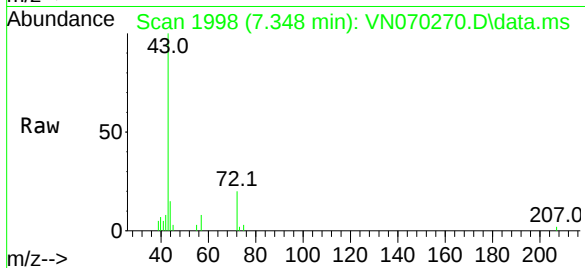
72 19.9 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2021

Supervised By :Semsettin Yesilyurt 12/23/2021



#31

Cyclohexane

Concen: 2.791 ug/l m

RT: 8.091 min Scan# 2275

Delta R.T. -0.003 min

Lab File: VN070270.D

Acq: 21 Dec 2021 16:18

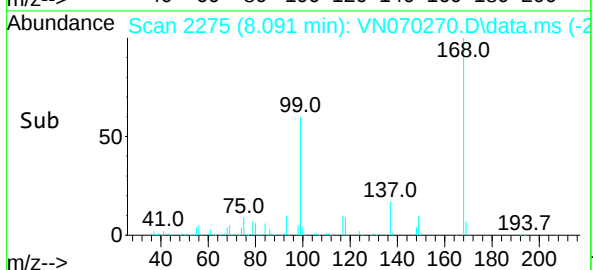
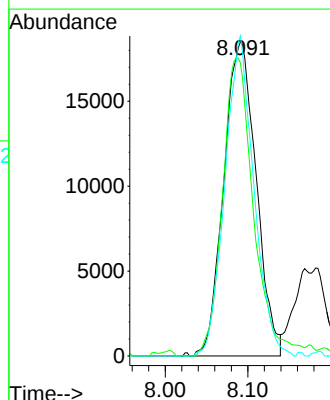
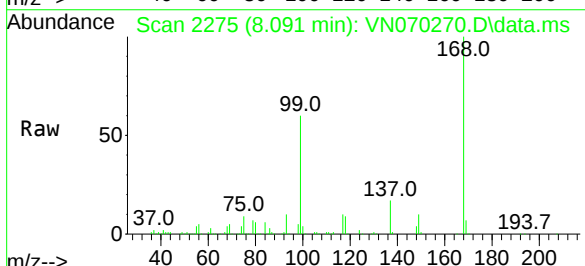
Tgt Ion: 56 Resp: 50347

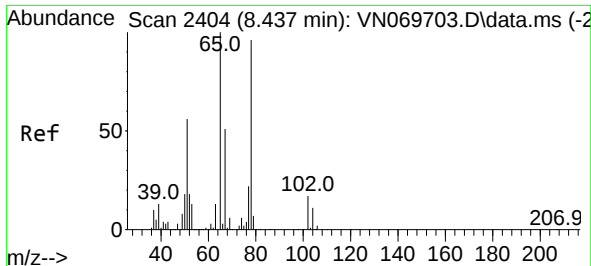
Ion Ratio Lower Upper

56 100

69 93.3 27.1 40.7

84 101.9 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 54.626 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070270.D

Acq: 21 Dec 2021 16:18

Instrument :

MSVOA_N

ClientSampleId :

MW-29DL

Tgt Ion: 65 Resp: 70801

Ion Ratio Lower Upper

65 100

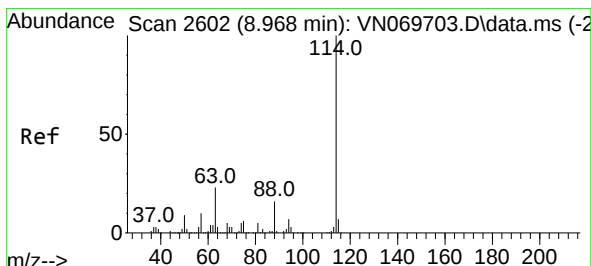
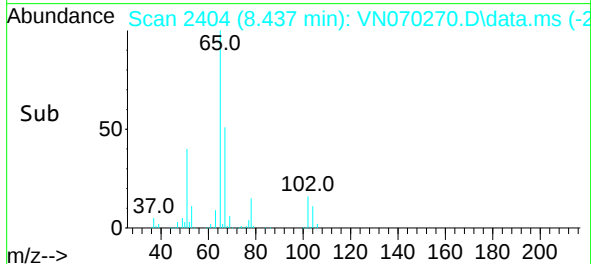
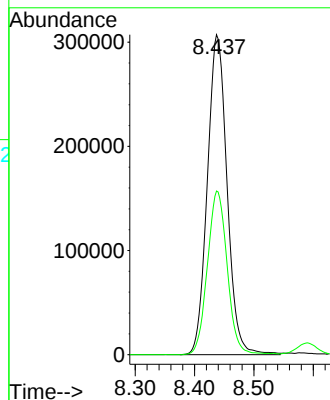
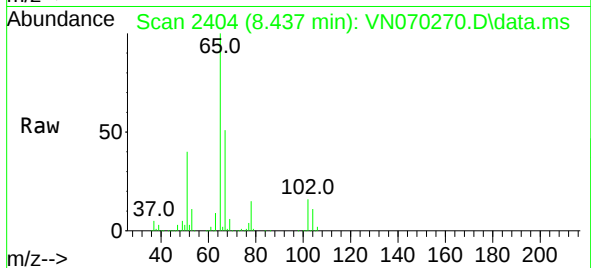
67 51.4 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2021

Supervised By :Semsettin Yesilyurt 12/23/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070270.D

Acq: 21 Dec 2021 16:18

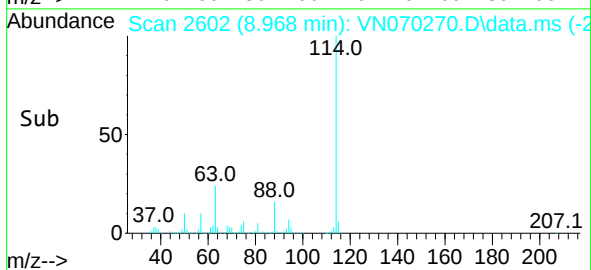
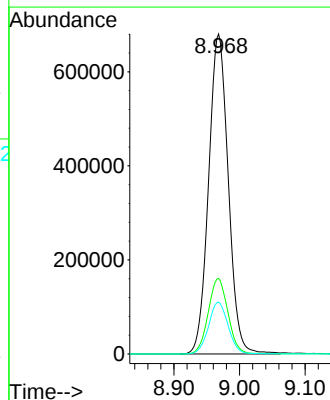
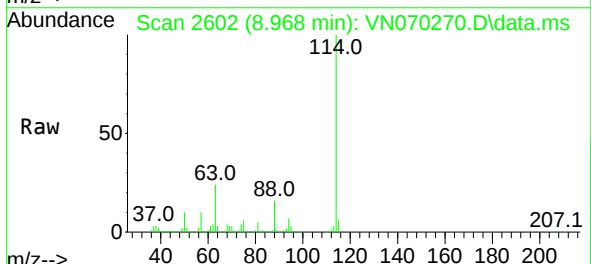
Tgt Ion:114 Resp: 1417746

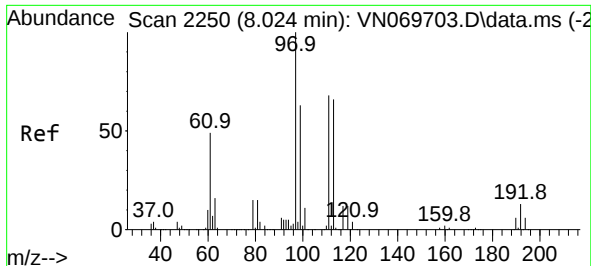
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

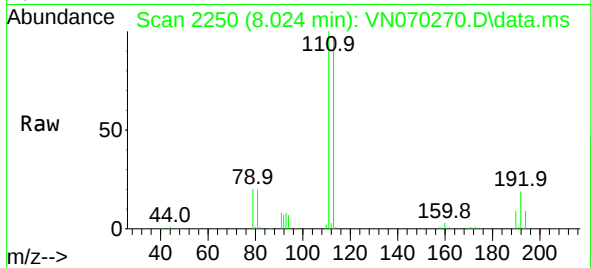
88 16.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 52.171 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

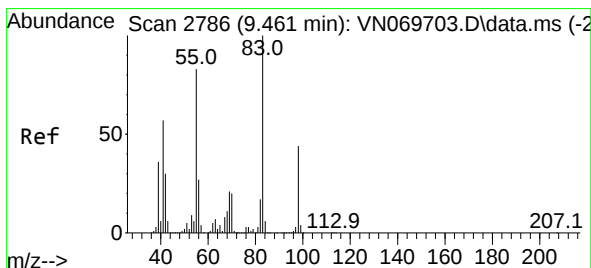
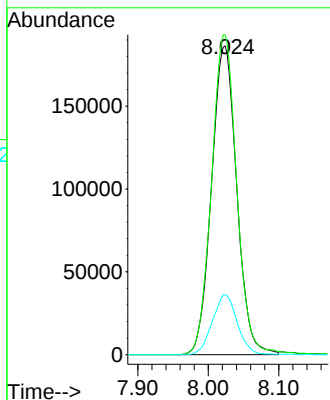
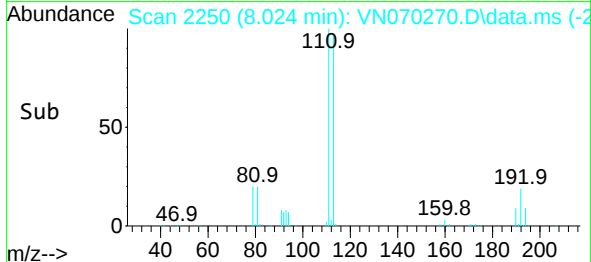
Instrument :
MSVOA_N
Client Sample Id :
MW-29DL



Tgt Ion: 113 Resp: 463299
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 19.2 16.9 25.3

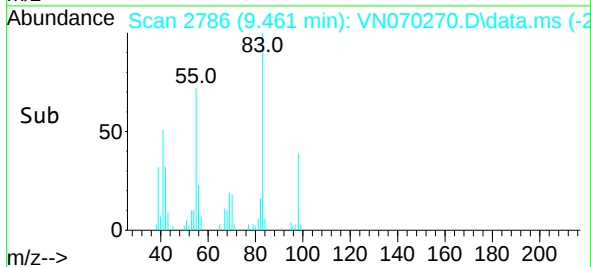
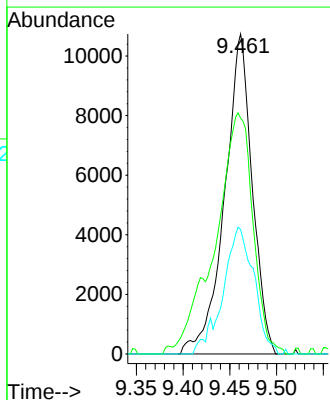
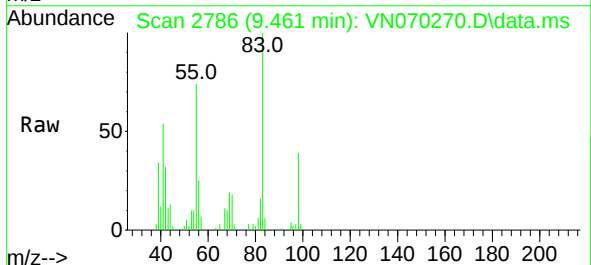
Manual Integrations
APPROVED

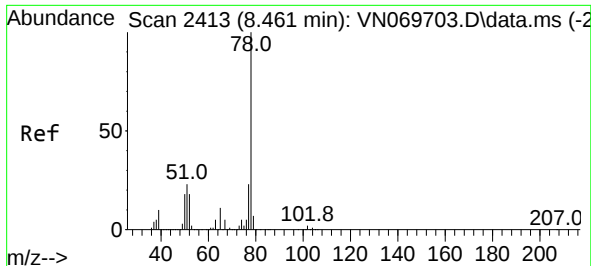
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#39
Methylcyclohexane
Concen: 1.372 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

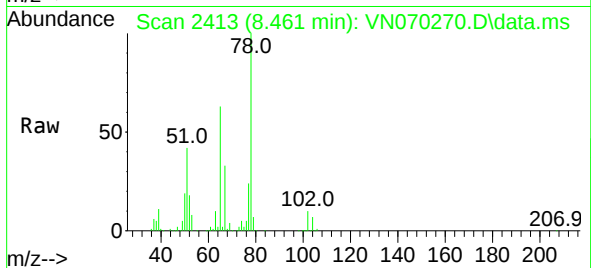
Tgt Ion: 83 Resp: 22032
Ion Ratio Lower Upper
83 100
55 71.7 58.1 87.1
98 38.9 38.4 57.6





#40
Benzene
Concen: 8.681 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

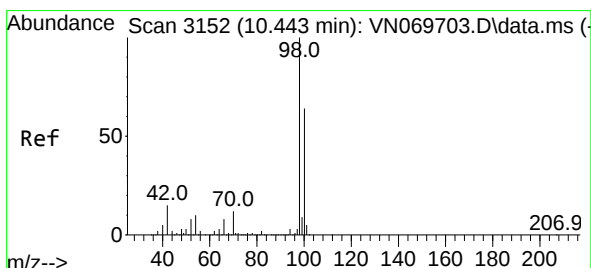
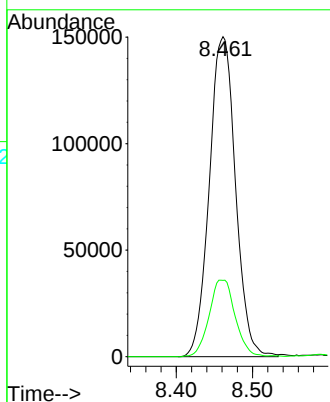
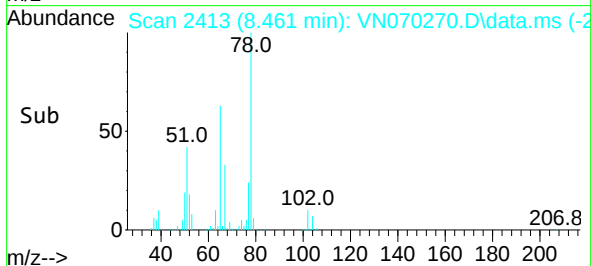
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL



Tgt Ion: 78 Resp: 358134
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8

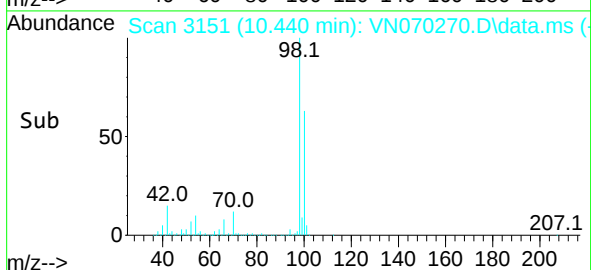
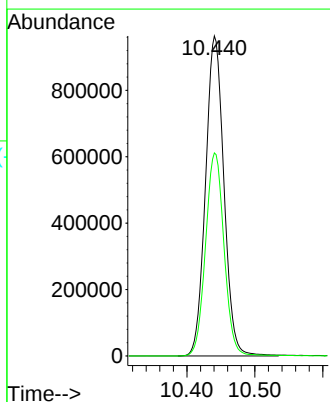
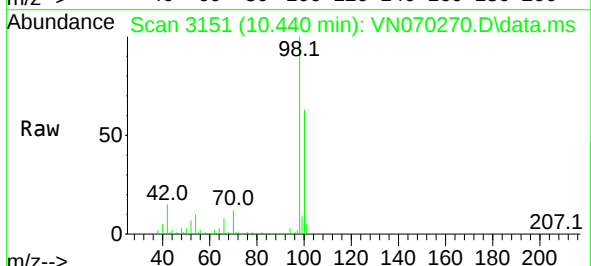
Manual Integrations
APPROVED

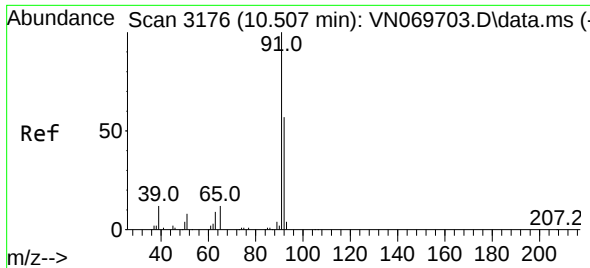
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#50
Toluene-d8
Concen: 50.835 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

Tgt Ion: 98 Resp: 1812687
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6





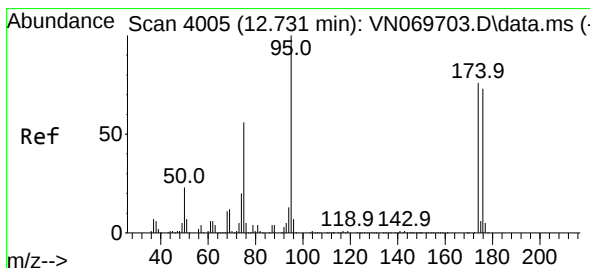
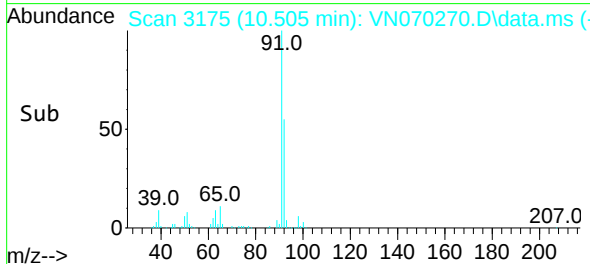
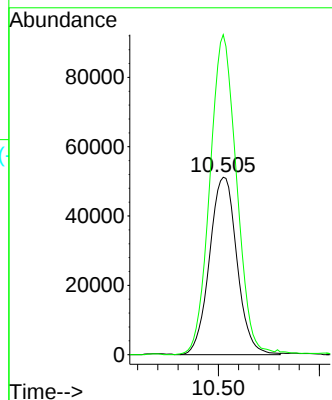
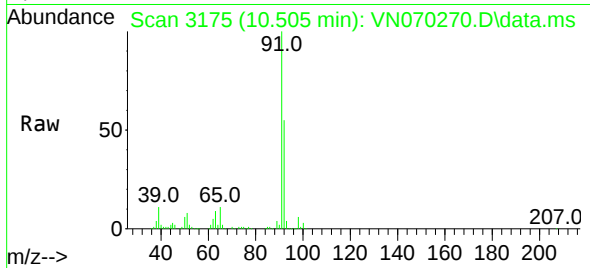
#52
Toluene
Concen: 3.836 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

Instrument :
MSVOA_N
ClientSampleId :
MW-29DL

Tgt Ion: 92 Resp: 9661
Ion Ratio Lower Upper
92 100
91 175.0 142.0 213.0

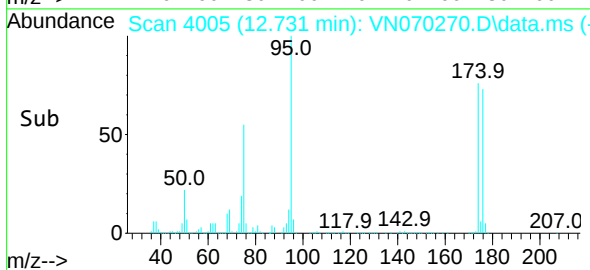
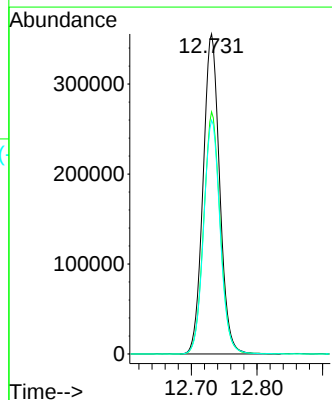
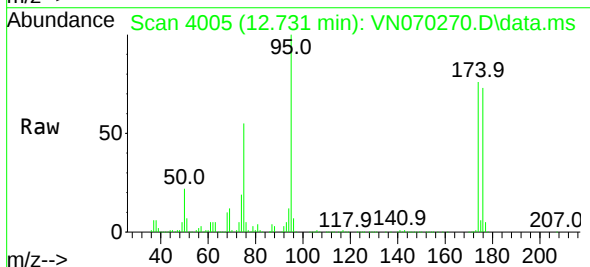
Manual Integrations
APPROVED

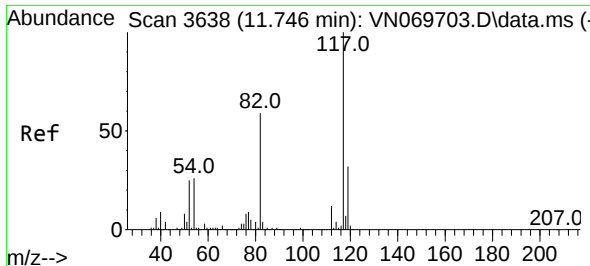
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#62
4-Bromofluorobenzene
Concen: 48.247 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

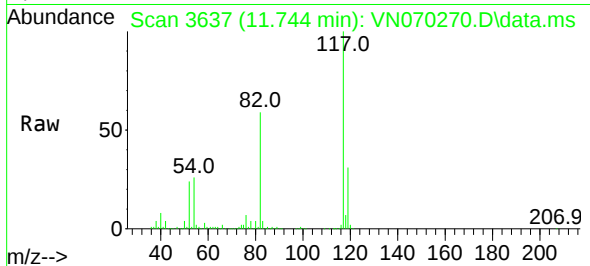
Tgt Ion: 95 Resp: 623262
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 73.1 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

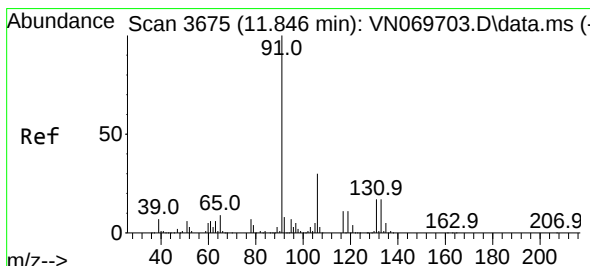
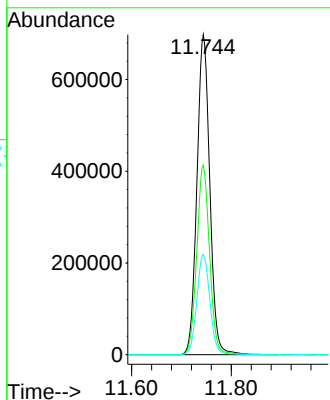
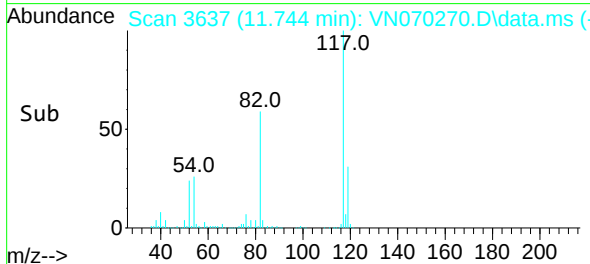
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL



Tgt Ion: 117 Resp: 124984
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 31.4 25.4 38.2

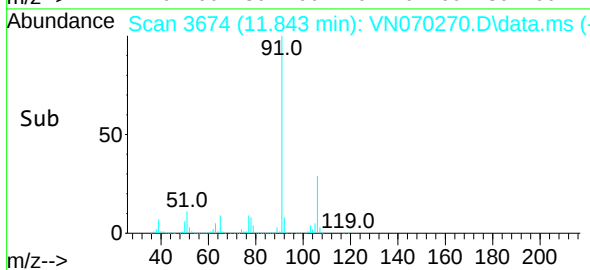
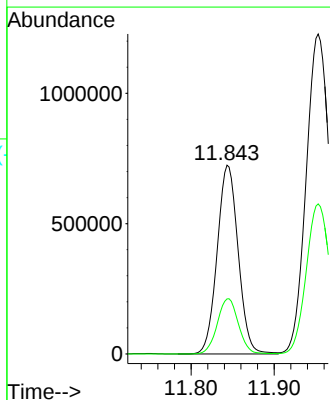
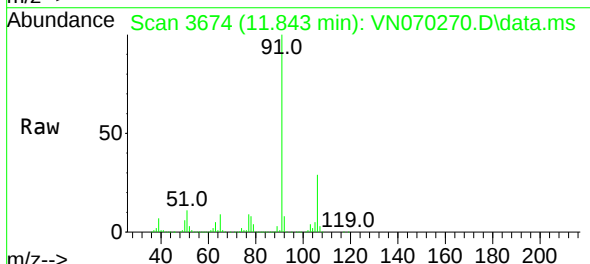
Manual Integrations
APPROVED

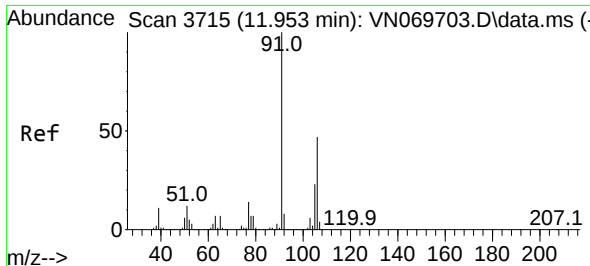
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#67
Ethyl Benzene
Concen: 27.644 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

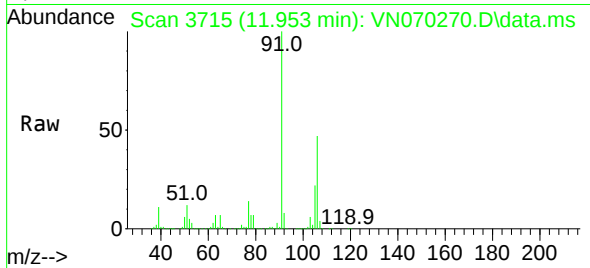
Tgt Ion: 91 Resp: 1273205
Ion Ratio Lower Upper
91 100
106 29.1 25.7 38.5





#68
m/p-Xylenes
Concen: 68.837 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

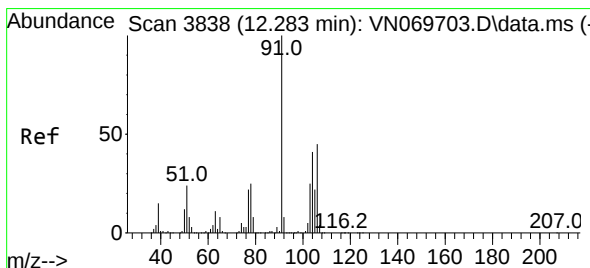
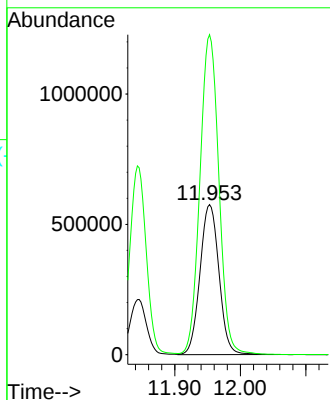
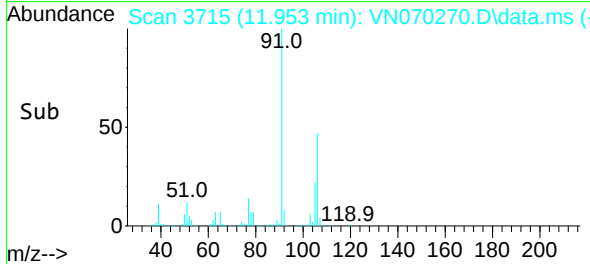
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL



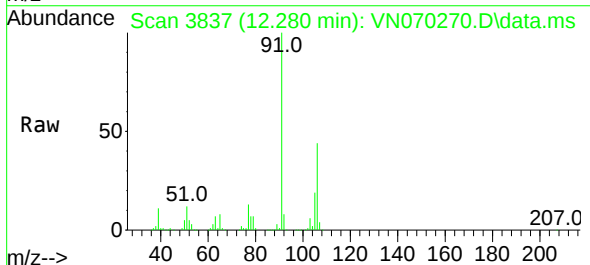
Tgt Ion:106 Resp: 1154404
Ion Ratio Lower Upper
106 100
91 213.2 160.6 240.8

Manual Integrations
APPROVED

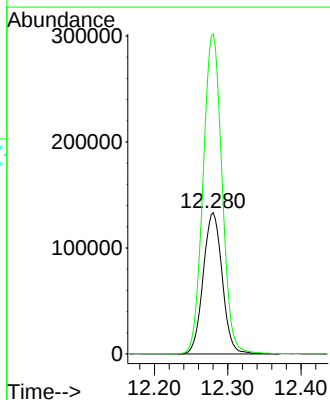
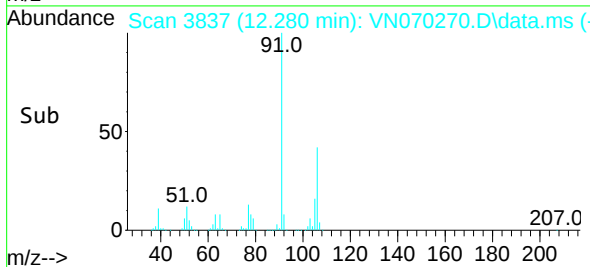
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

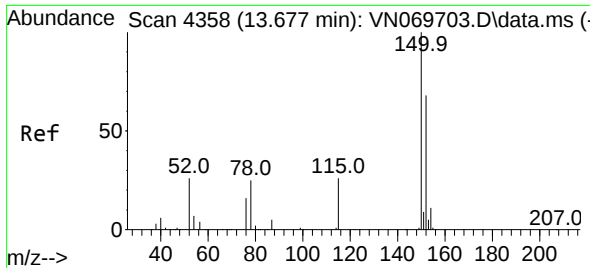


#69
o-Xylene
Concen: 14.240 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18



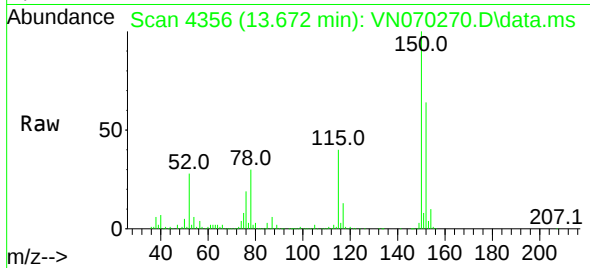
Tgt Ion:106 Resp: 240540
Ion Ratio Lower Upper
106 100
91 225.3 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. -0.005 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

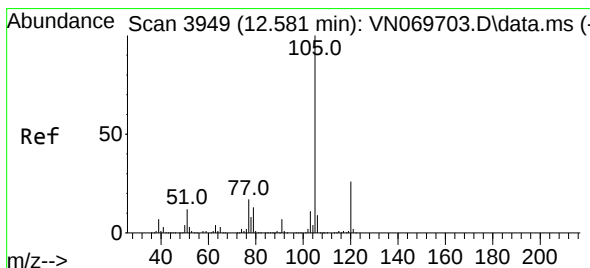
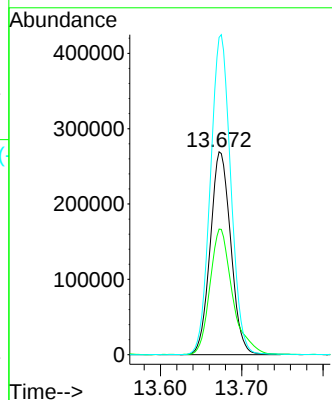
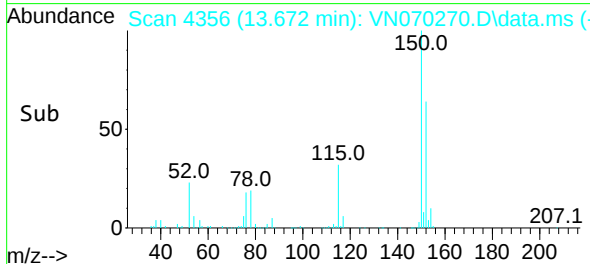
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL



Tgt Ion:152 Resp: 472832
Ion Ratio Lower Upper
152 100
115 67.8 27.5 82.5
150 156.4 0.0 344.4

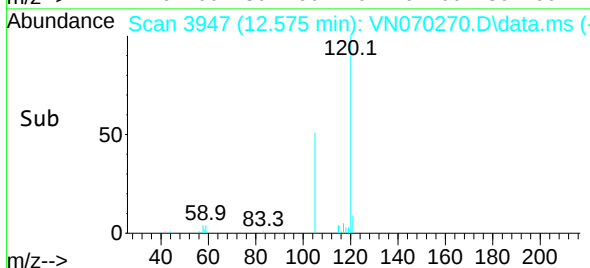
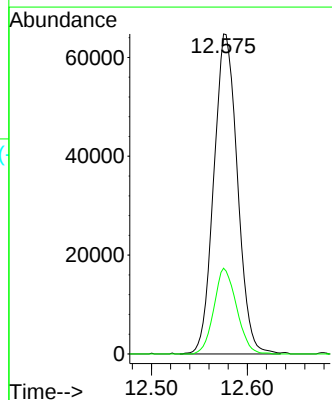
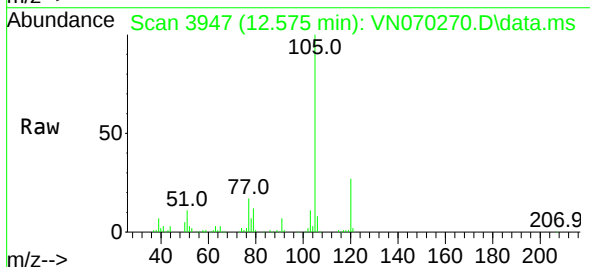
Manual Integrations
APPROVED

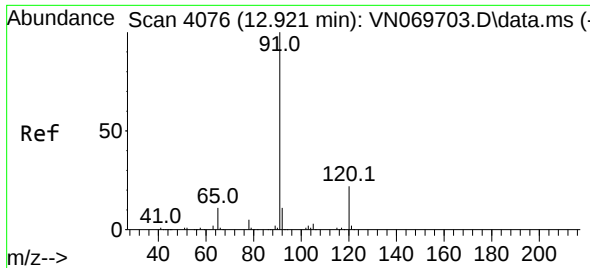
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#73
Isopropylbenzene
Concen: 2.633 ug/l
RT: 12.575 min Scan# 3947
Delta R.T. -0.005 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

Tgt Ion:105 Resp: 110782
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1





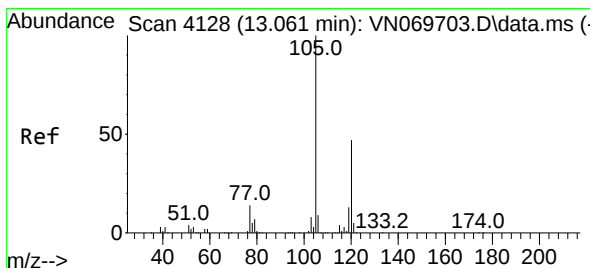
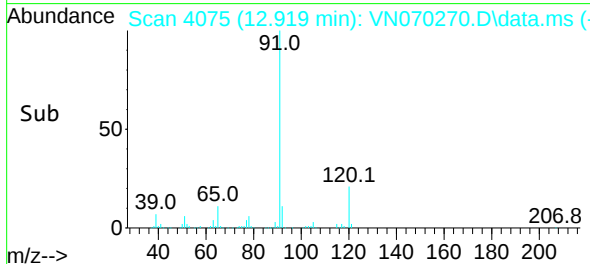
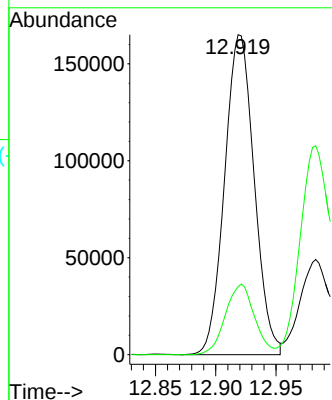
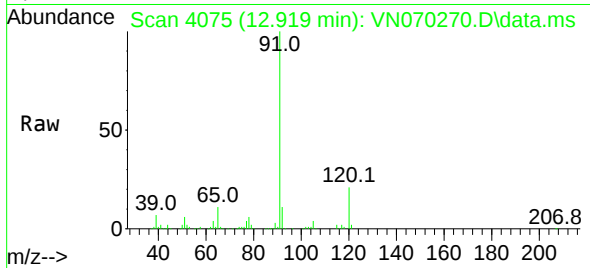
#78
n-propylbenzene
Concen: 6.027 ug/l
RT: 12.919 min Scan# 4076
Delta R.T. -0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

Instrument :
MSVOA_N
ClientSampleId :
MW-29DL

Tgt Ion: 91 Resp: 28212
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.9

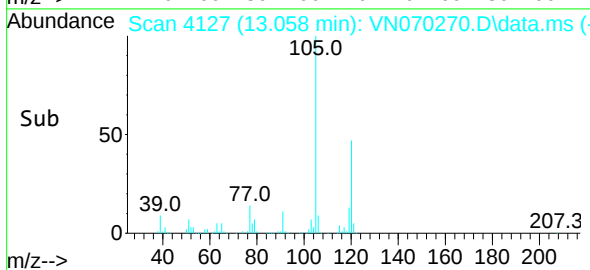
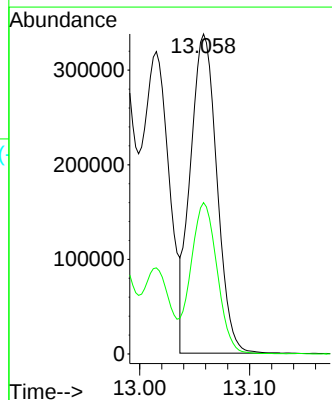
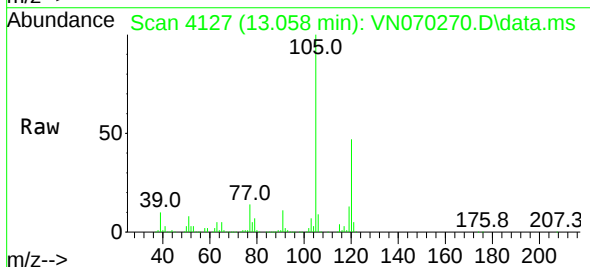
Manual Integrations
APPROVED

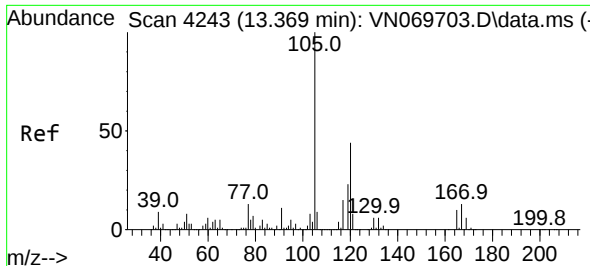
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#80
1,3,5-Trimethylbenzene
Concen: 16.657 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

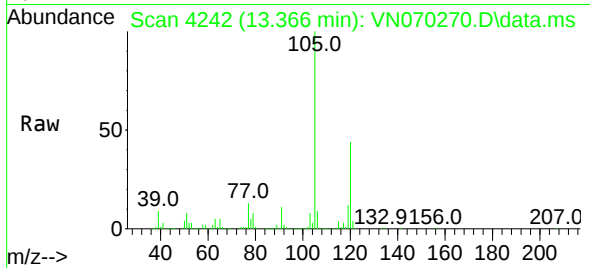
Tgt Ion:105 Resp: 564027
Ion Ratio Lower Upper
105 100
120 47.8 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 64.696 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18

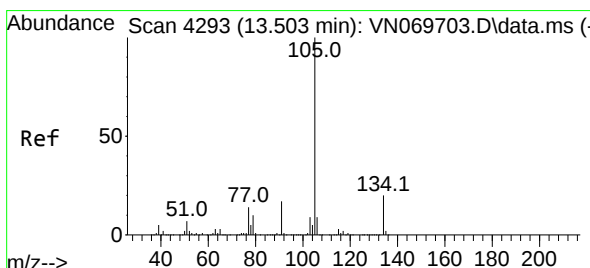
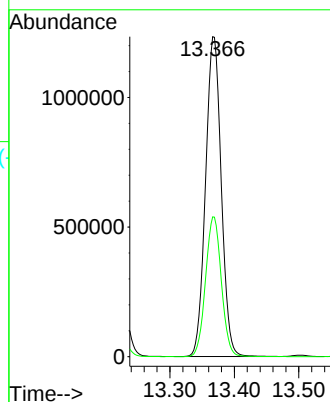
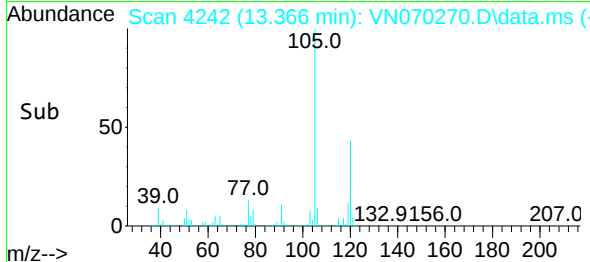
Instrument :
MSVOA_N
ClientSampleId :
MW-29DL



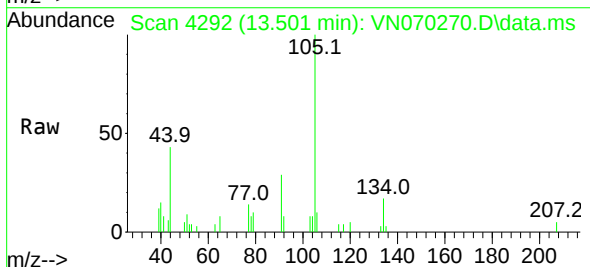
Tgt Ion:105 Resp: 208627
Ion Ratio Lower Upper
105 100
120 44.0 22.8 68.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#85
sec-Butylbenzene
Concen: 0.254 ug/l m
RT: 13.501 min Scan# 4292
Delta R.T. -0.003 min
Lab File: VN070270.D
Acq: 21 Dec 2021 16:18



Tgt Ion:105 Resp: 10346
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#

