

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070267.D
 Acq On : 21 Dec 2021 15:02
 Operator : JC/MD
 Sample : M5039-02DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 20:11:01 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	927998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1548057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1389513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	558992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	712418	49.721	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.440%		
35) Dibromofluoromethane	8.021	113	470535	48.525	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.060%		
50) Toluene-d8	10.440	98	1858390	47.730	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.460%		
62) 4-Bromofluorobenzene	12.731	95	671483	47.604	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.200%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.377	59	314009	115.939	ug/l	99
16) Acetone	4.291	43	48414	5.617	ug/l #	88
19) Methyl tert-butyl Ether	5.618	73	751429	21.863	ug/l #	62
22) Diisopropyl ether	6.501	45	41804	1.074	ug/l	88
31) Cyclohexane	8.094	56	162403m	8.145	ug/l	
39) Methylcyclohexane	9.461	83	62454	3.563	ug/l	88
40) Benzene	8.461	78	2670596	59.287	ug/l	99
52) Toluene	10.505	92	930393	33.831	ug/l	98
67) Ethyl Benzene	11.843	91	6987210	136.456	ug/l	96
68) m/p-Xylenes	11.950	106	6695460	359.120	ug/l	93
69) o-Xylene	12.280	106	1165882	62.082	ug/l	91
73) Isopropylbenzene	12.578	105	536282	10.783	ug/l	99
78) n-propylbenzene	12.919	91	932930	16.857	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	1308832	32.696	ug/l	98
84) 1,2,4-Trimethylbenzene	13.366	105	5414627	142.029	ug/l	98
85) sec-Butylbenzene	13.501	105	22048m	0.459	ug/l	
86) p-Isopropyltoluene	13.613	119	14858m	0.395	ug/l	

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

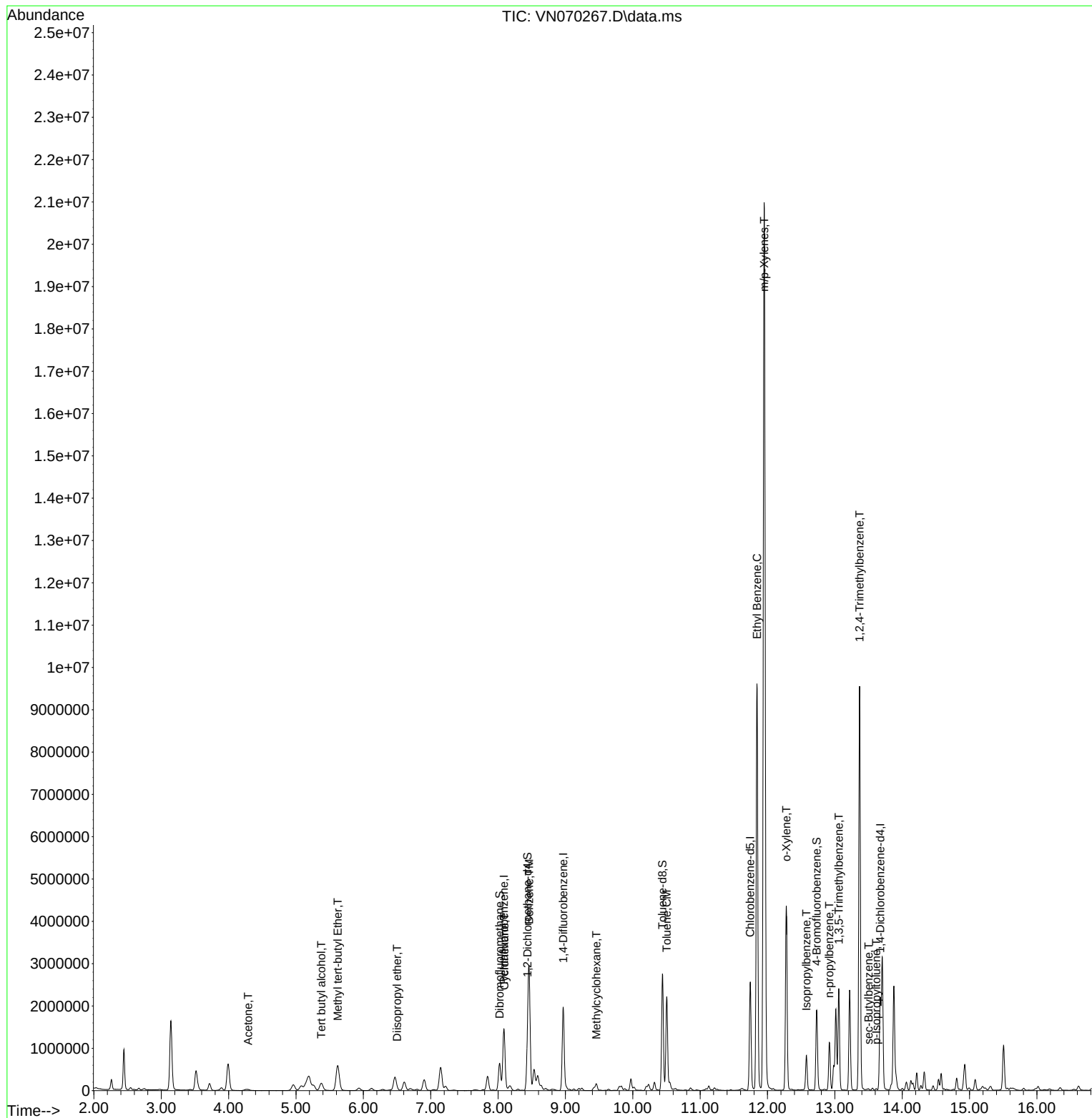
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
Data File : VN070267.D
Acq On : 21 Dec 2021 15:02
Operator : JC/MD
Sample : M5039-02DL 20X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

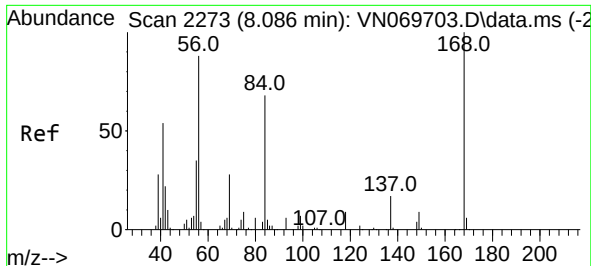
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

Quant Time: Dec 21 20:11:01 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

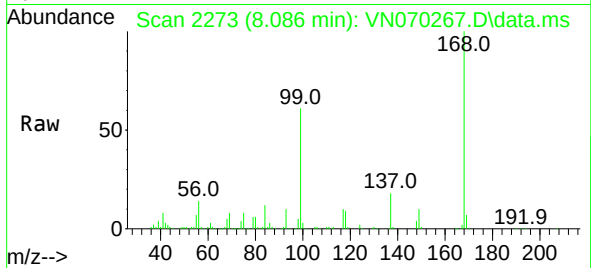
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

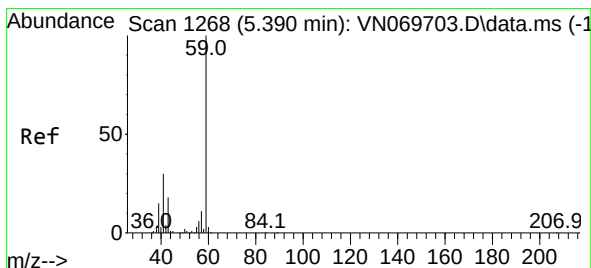
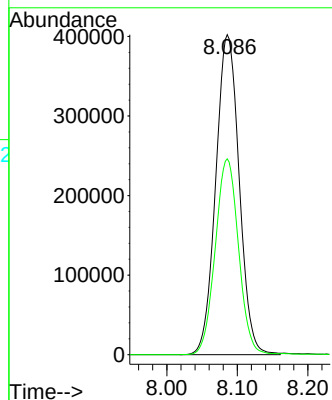
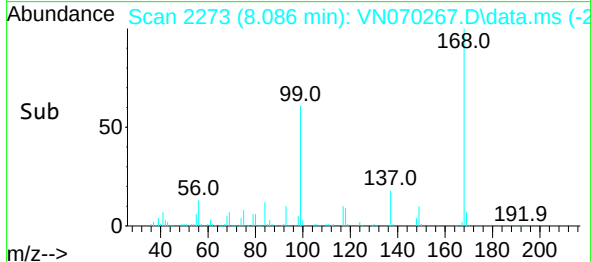
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL



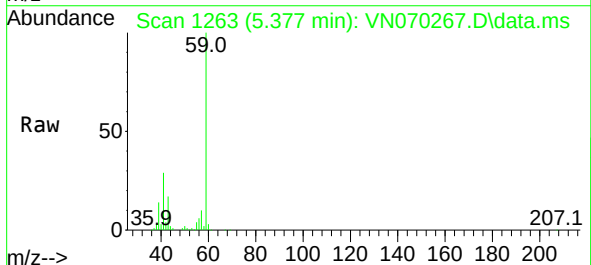
Tgt Ion:168 Resp: 927998
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9

Manual Integrations
APPROVED

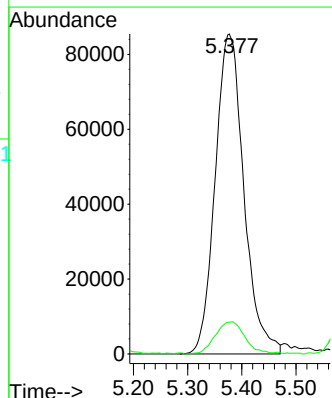
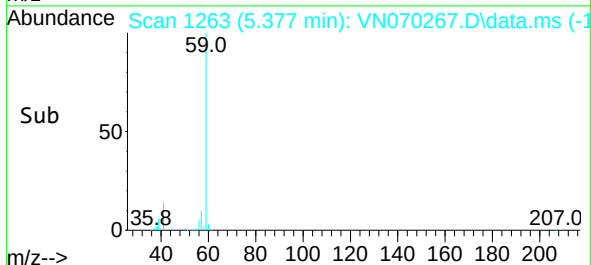
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

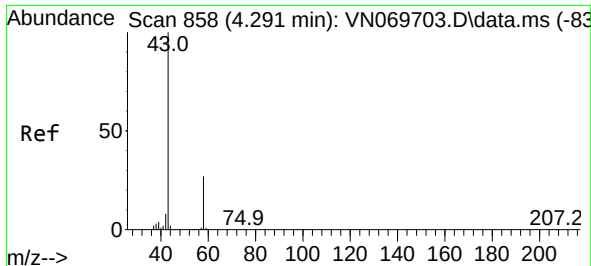


#11
Tert butyl alcohol
Concen: 115.939 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.013 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02



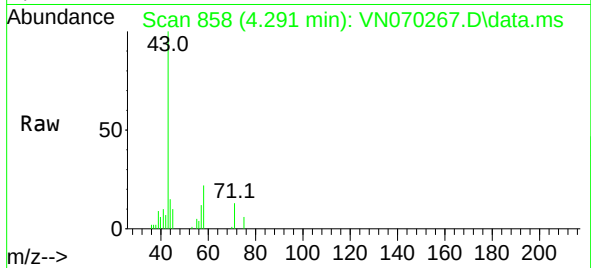
Tgt Ion: 59 Resp: 314009
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1





#16
Acetone
Concen: 5.617 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

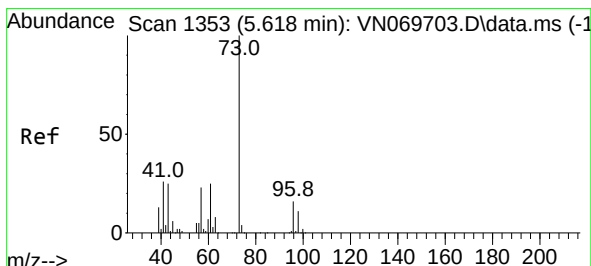
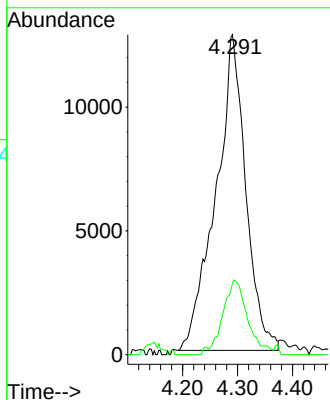
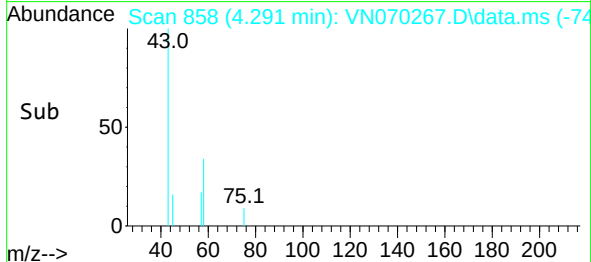
Instrument :
MSVOA_N
Client SampleId :
MW-14DL



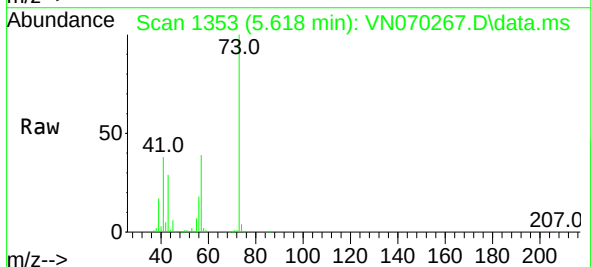
Tgt Ion: 43 Resp: 48414
Ion Ratio Lower Upper
43 100
58 22.6 23.1 34.7

Manual Integrations
APPROVED

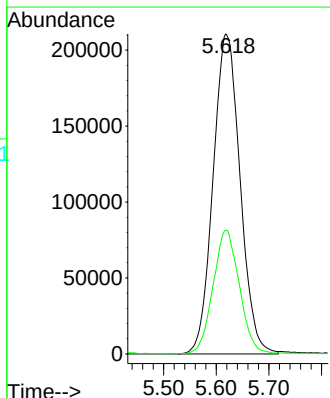
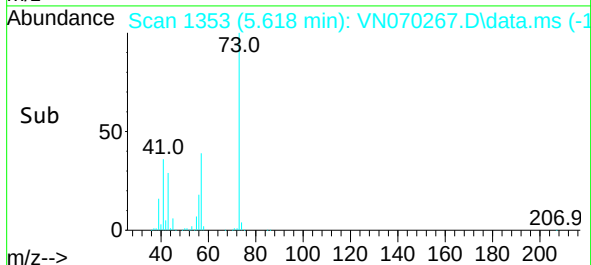
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

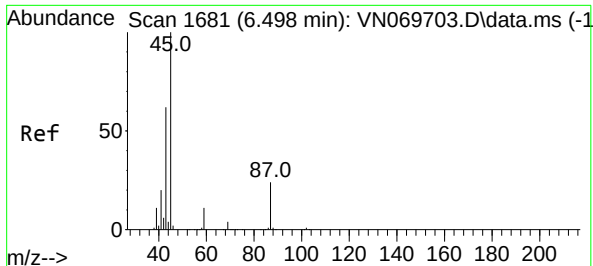


#19
Methyl tert-butyl Ether
Concen: 21.863 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02



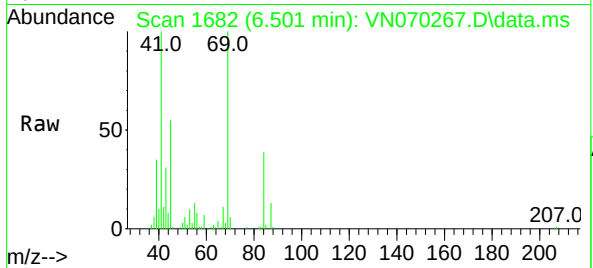
Tgt Ion: 73 Resp: 751429
Ion Ratio Lower Upper
73 100
57 38.6 16.8 25.2





#22
Diisopropyl ether
Concen: 1.074 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

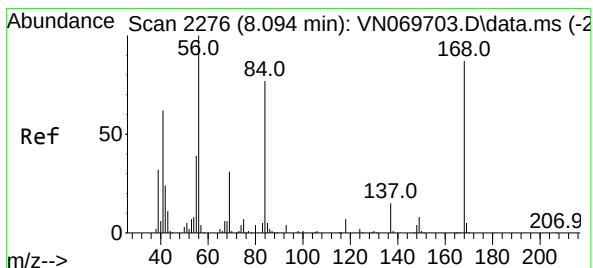
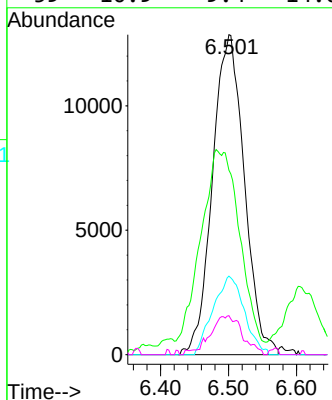
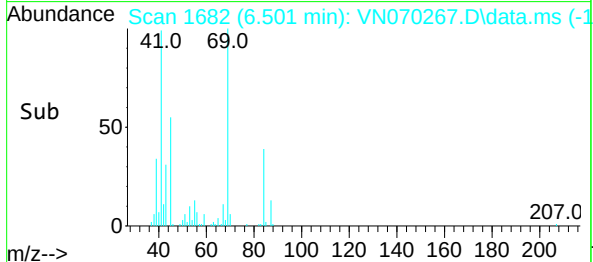
Instrument :
MSVOA_N
Client SampleId :
MW-14DL



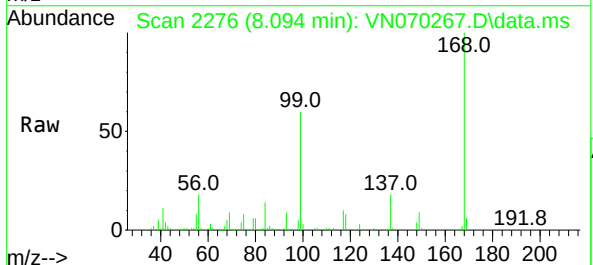
Tgt Ion: 45 Resp: 41804
Ion Ratio Lower Upper
45 100
43 52.4 51.7 77.5
87 24.6 23.2 34.8
59 10.9 9.4 14.0

Manual Integrations
APPROVED

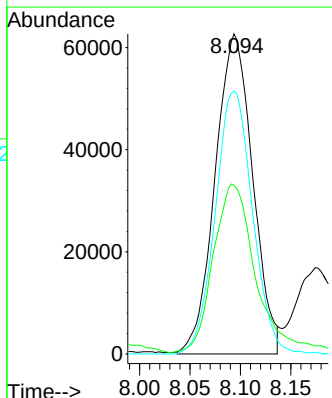
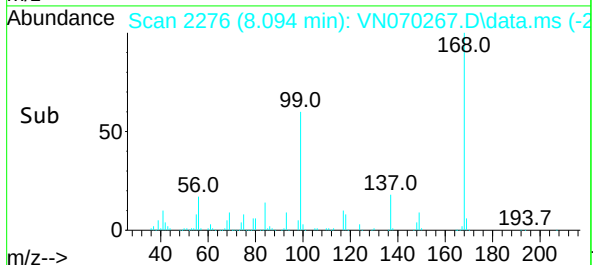
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

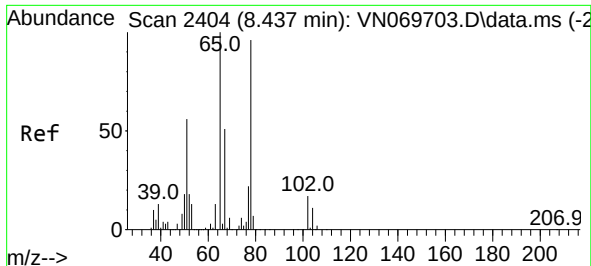


#31
Cyclohexane
Concen: 8.145 ug/l m
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02



Tgt Ion: 56 Resp: 162403
Ion Ratio Lower Upper
56 100
69 52.8 27.1 40.7#
84 82.2 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 49.721 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070267.D

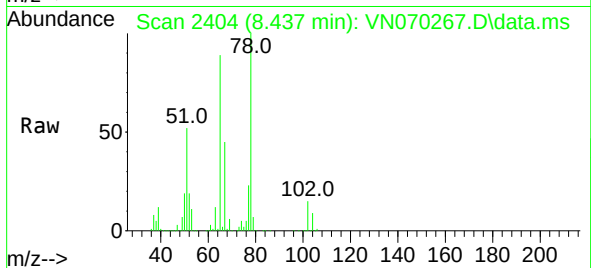
Acq: 21 Dec 2021 15:02

Instrument :

MSVOA_N

ClientSampleId :

MW-14DL



Tgt Ion: 65 Resp: 712418

Ion Ratio Lower Upper

65 100

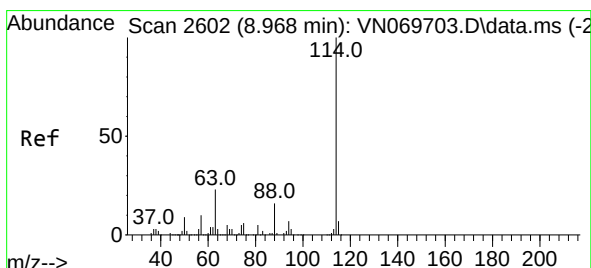
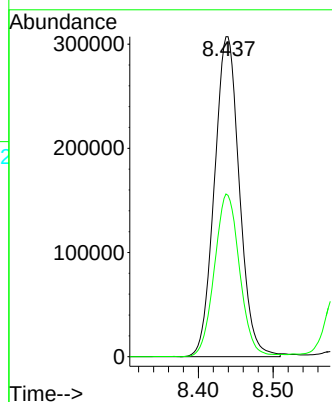
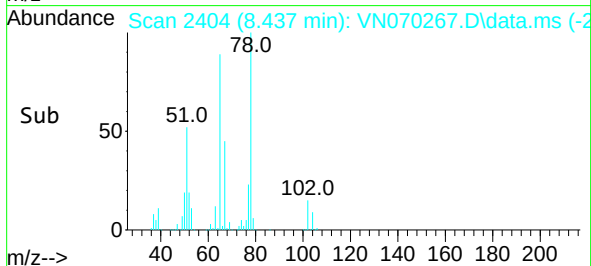
67 51.3 0.0 103.0

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: VN070267.D

Acq: 21 Dec 2021 15:02

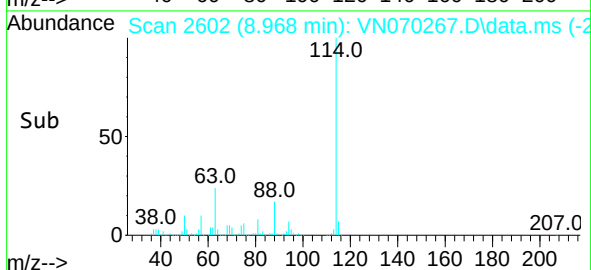
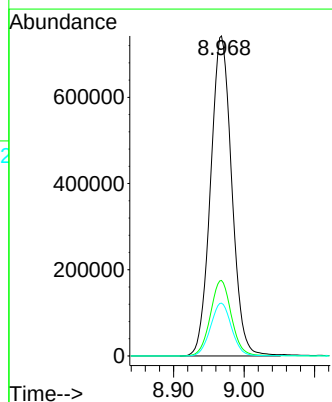
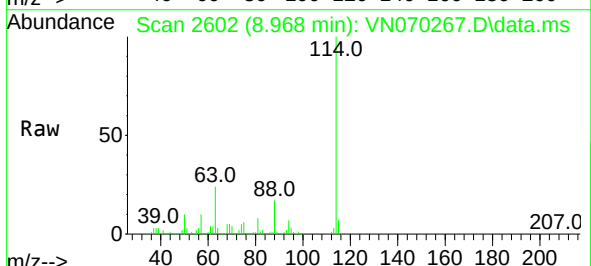
Tgt Ion:114 Resp: 1548057

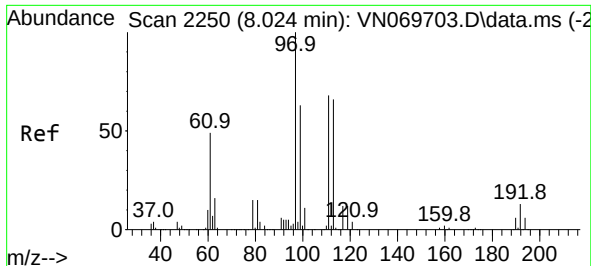
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

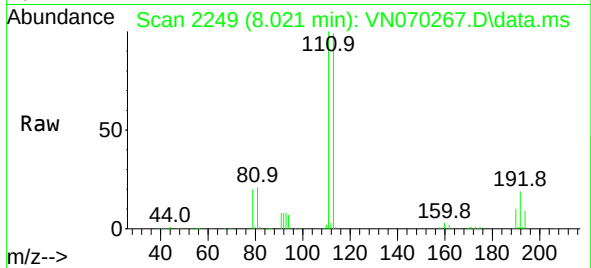
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 48.525 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

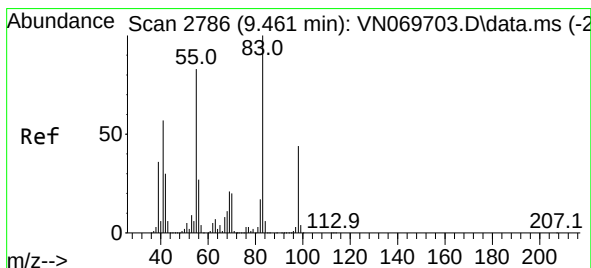
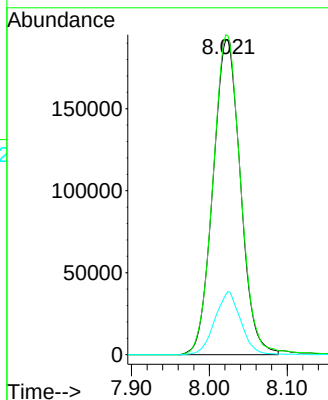
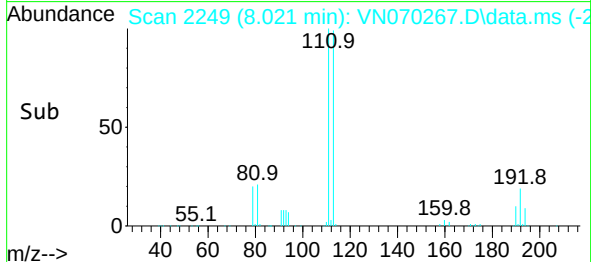
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL



Tgt Ion: 113 Resp: 47053
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.8 16.9 25.3

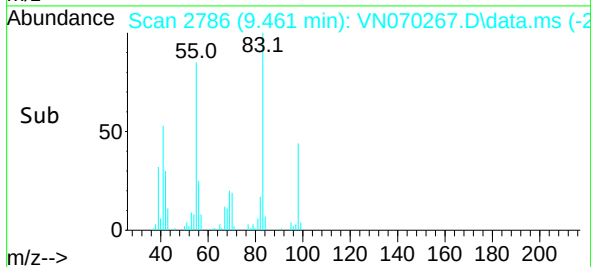
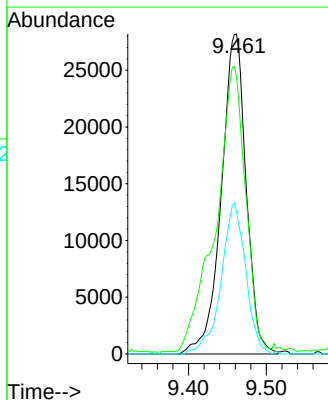
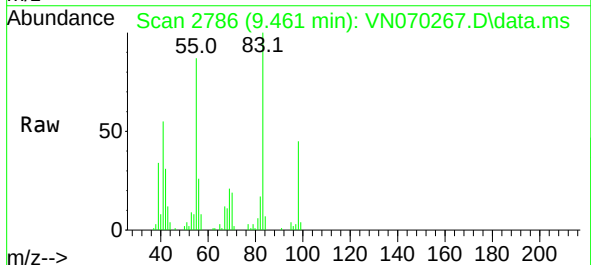
Manual Integrations
APPROVED

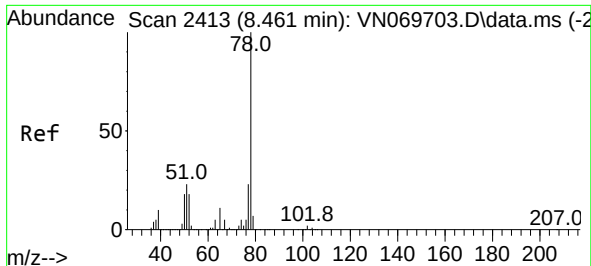
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#39
Methylcyclohexane
Concen: 3.563 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

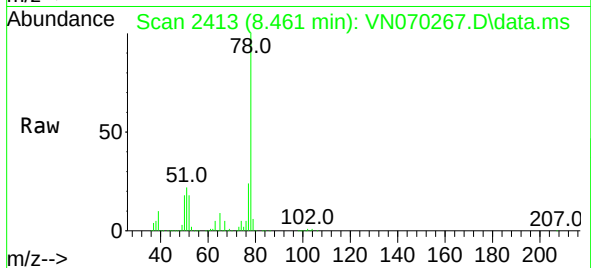
Tgt Ion: 83 Resp: 62454
Ion Ratio Lower Upper
83 100
55 85.9 58.1 87.1
98 44.5 38.4 57.6





#40
Benzene
Concen: 59.287 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

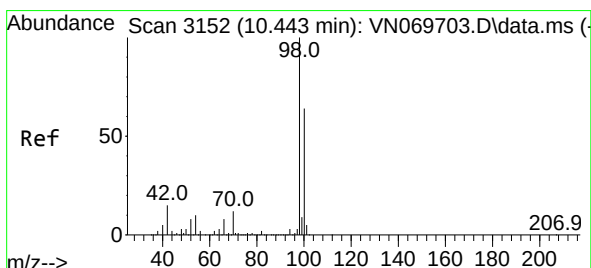
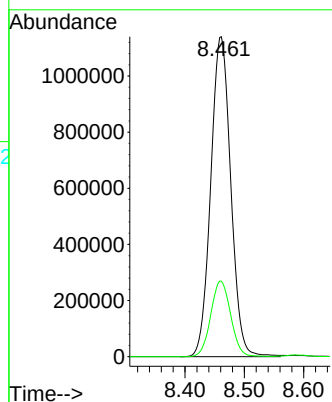
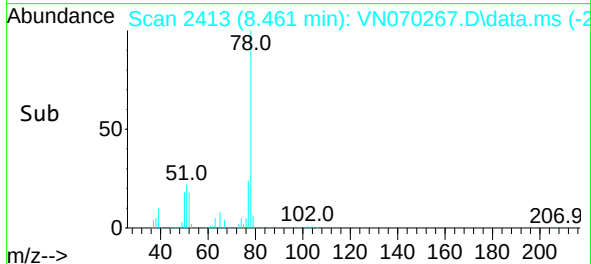
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL



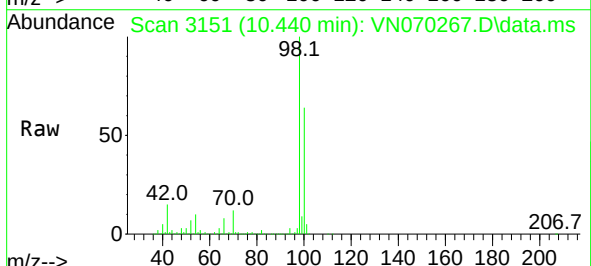
Tgt Ion: 78 Resp: 2670590
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

Manual Integrations
APPROVED

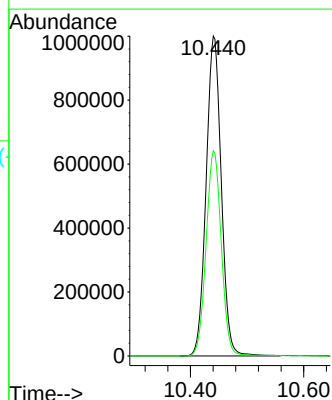
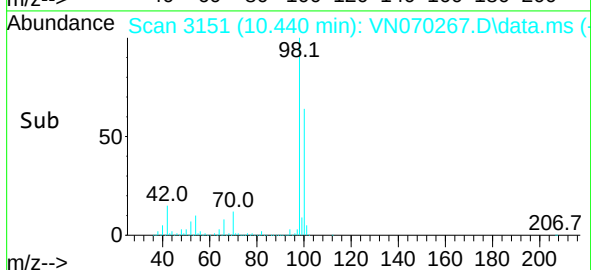
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

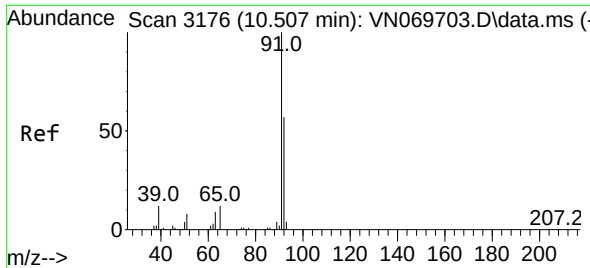


#50
Toluene-d8
Concen: 47.730 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02



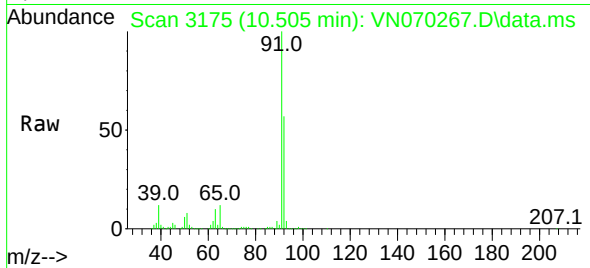
Tgt Ion: 98 Resp: 1858390
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6





#52
Toluene
Concen: 33.831 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

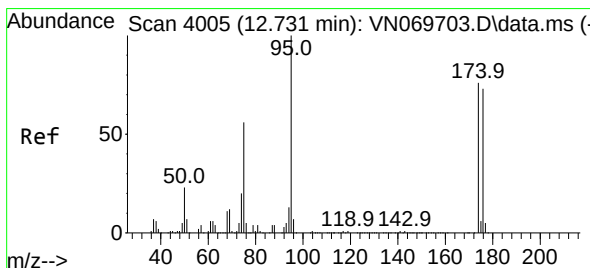
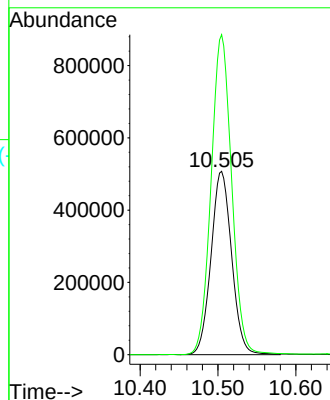
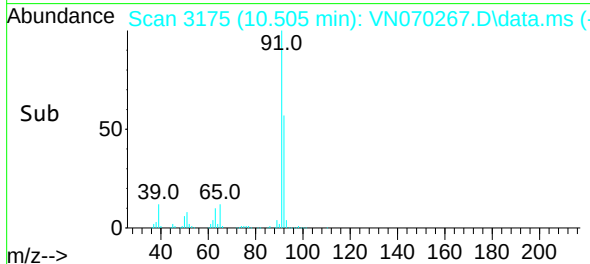
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL



Tgt Ion: 92 Resp: 93039
Ion Ratio Lower Upper
92 100
91 174.8 142.0 213.0

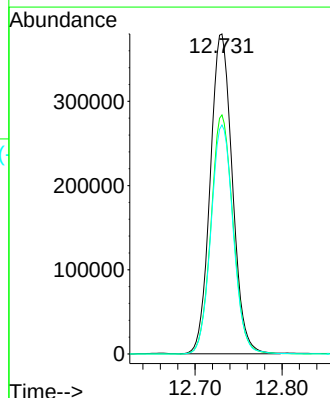
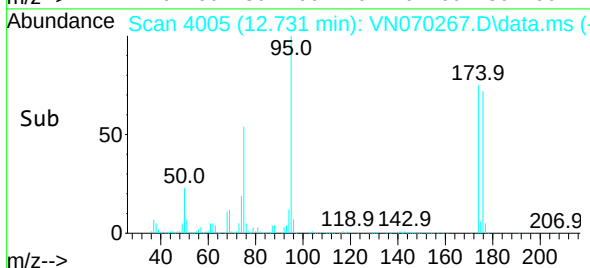
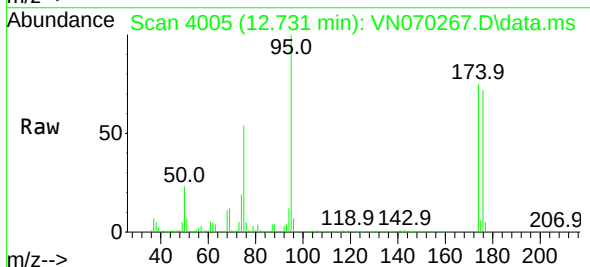
Manual Integrations
APPROVED

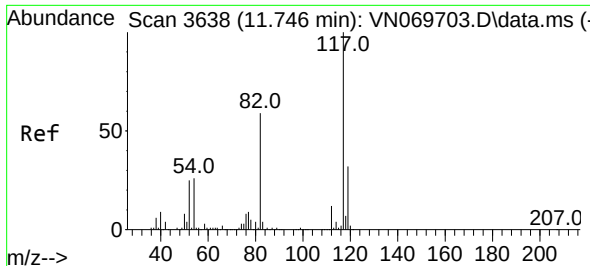
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#62
4-Bromofluorobenzene
Concen: 47.604 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

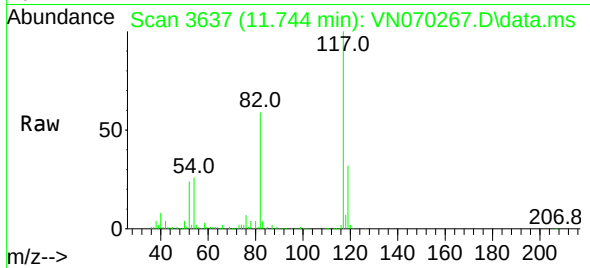
Tgt Ion: 95 Resp: 671483
Ion Ratio Lower Upper
95 100
174 74.6 0.0 187.2
176 72.2 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

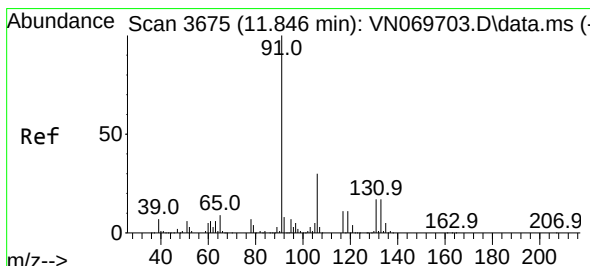
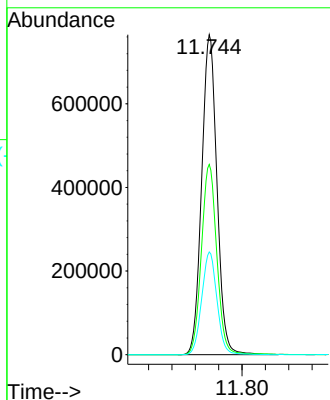
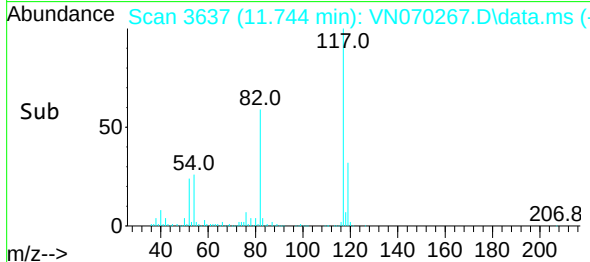
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL



Tgt Ion:117 Resp: 138951
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.1 25.4 38.2

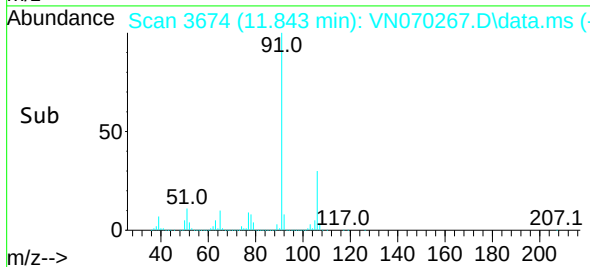
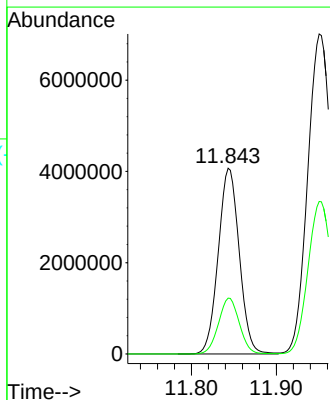
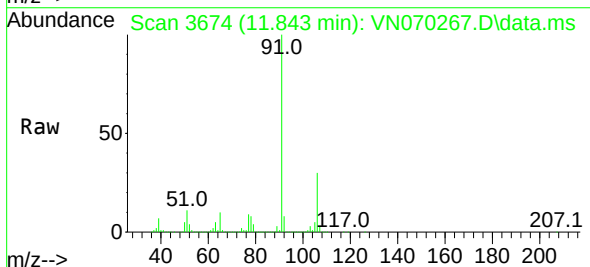
Manual Integrations
APPROVED

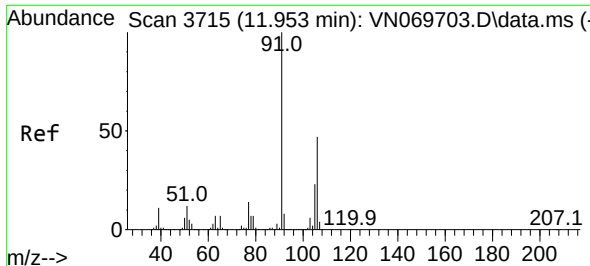
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#67
Ethyl Benzene
Concen: 136.456 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

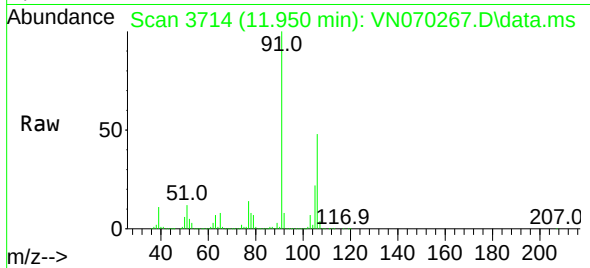
Tgt Ion: 91 Resp: 6987210
Ion Ratio Lower Upper
91 100
106 30.1 25.7 38.5





#68
m/p-Xylenes
Concen: 359.120 ug/l
RT: 11.950 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

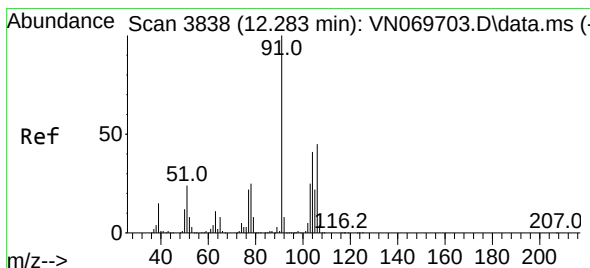
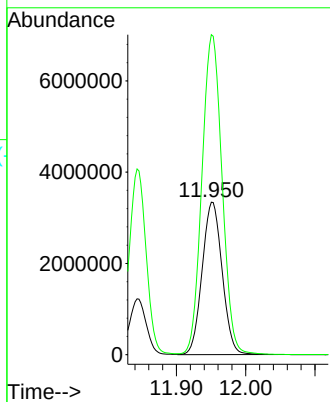
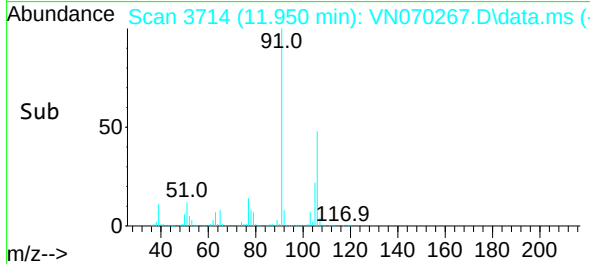
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL



Tgt Ion:106 Resp: 6695460
Ion Ratio Lower Upper
106 100
91 211.8 160.6 240.8

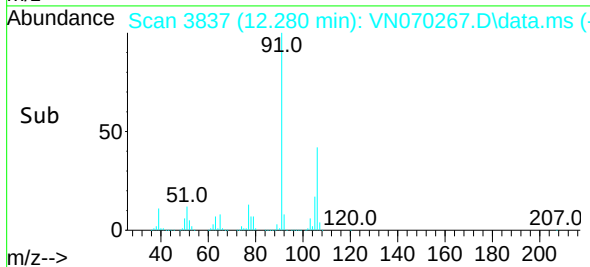
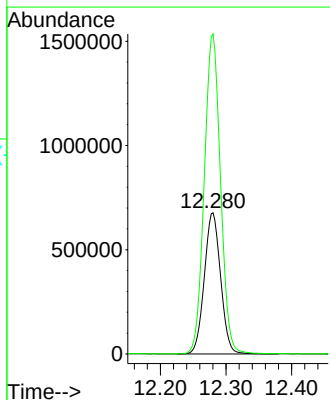
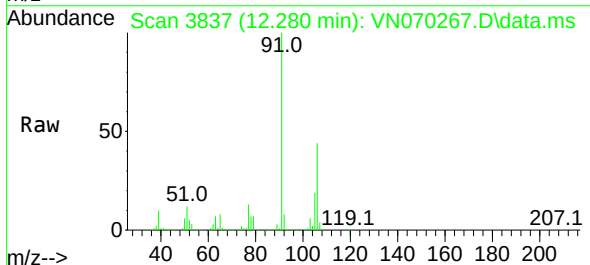
Manual Integrations
APPROVED

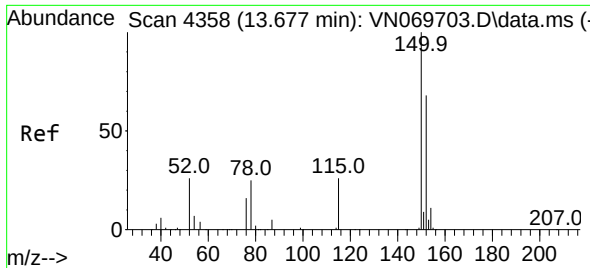
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#69
o-Xylene
Concen: 62.082 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

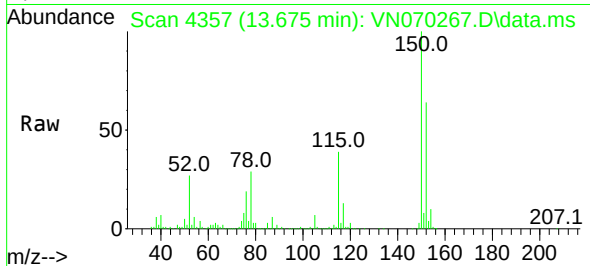
Tgt Ion:106 Resp: 1165882
Ion Ratio Lower Upper
106 100
91 226.1 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02

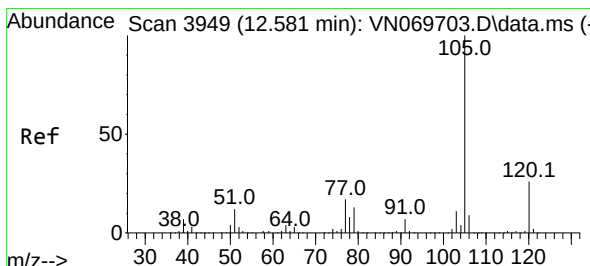
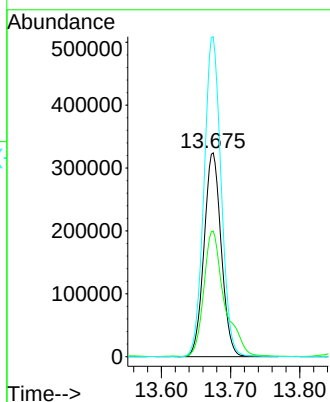
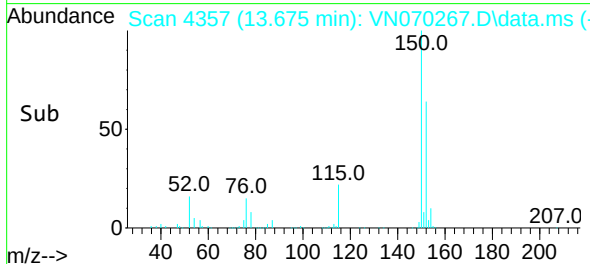
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL



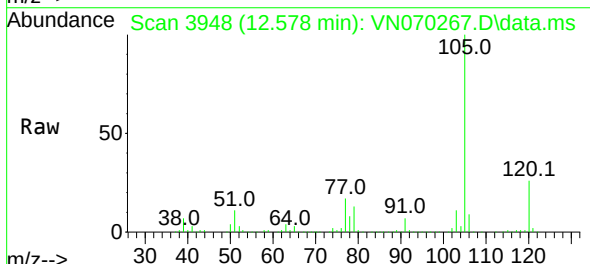
Tgt Ion:152 Resp: 558992
Ion Ratio Lower Upper
152 100
115 73.9 27.5 82.5
150 156.6 0.0 344.4

Manual Integrations
APPROVED

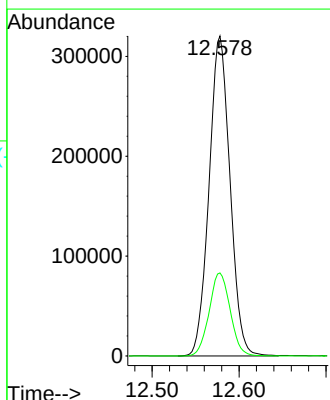
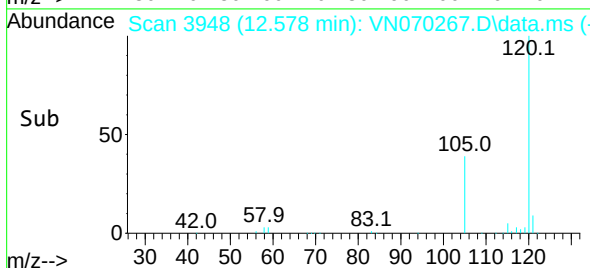
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

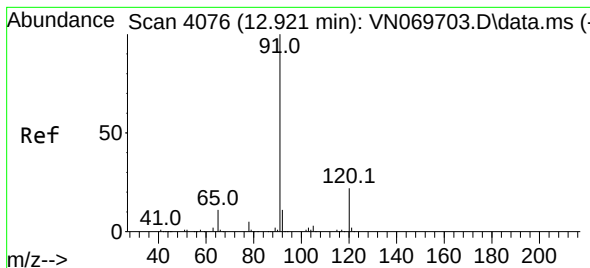


#73
Isopropylbenzene
Concen: 10.783 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070267.D
Acq: 21 Dec 2021 15:02



Tgt Ion:105 Resp: 536282
Ion Ratio Lower Upper
105 100
120 26.0 13.4 40.1





#78

n-propylbenzene

Concen: 16.857 ug/l

RT: 12.919 min Scan# 4076

Delta R.T. -0.003 min

Lab File: VN070267.D

Acq: 21 Dec 2021 15:02

Instrument :

MSVOA_N

ClientSampleId :

MW-14DL

Tgt Ion: 91 Resp: 932930

Ion Ratio Lower Upper

91 100

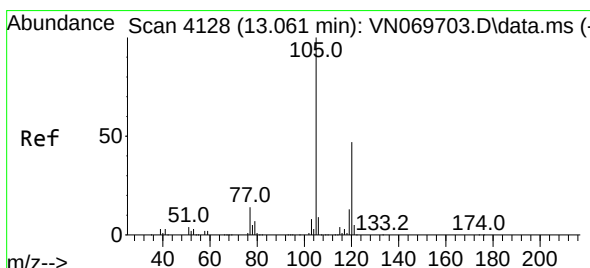
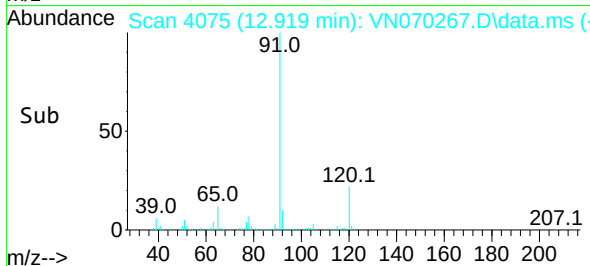
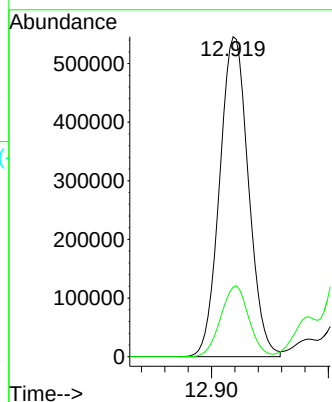
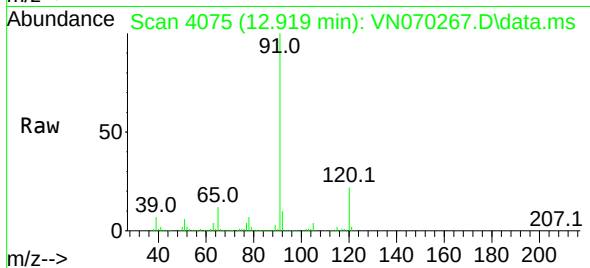
120 21.6 11.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2021

Supervised By :Semsettin Yesilyurt 12/23/2021



#80

1,3,5-Trimethylbenzene

Concen: 32.696 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. -0.003 min

Lab File: VN070267.D

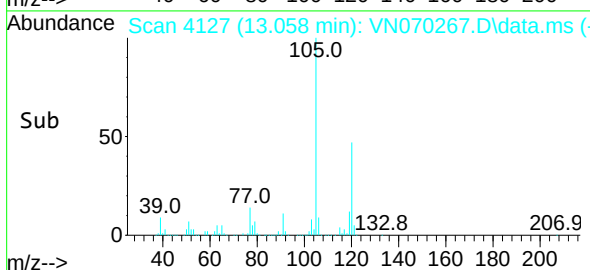
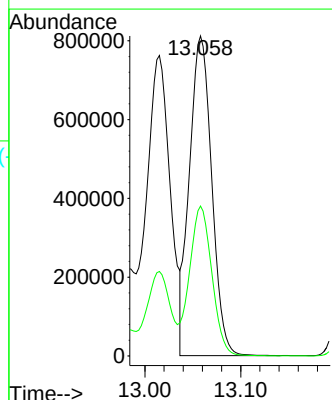
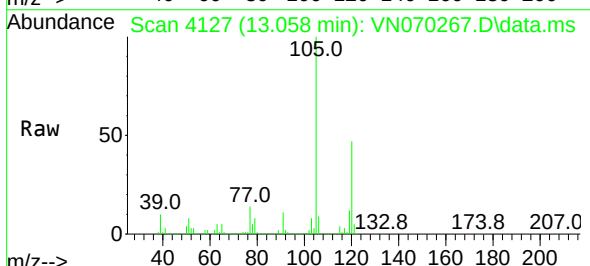
Acq: 21 Dec 2021 15:02

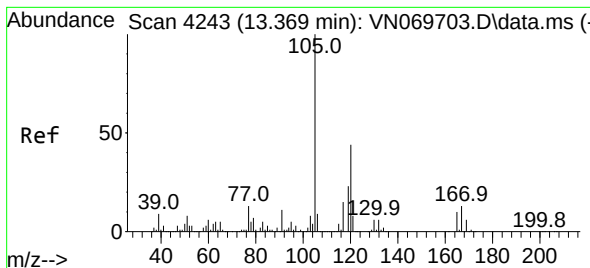
Tgt Ion:105 Resp: 1308832

Ion Ratio Lower Upper

105 100

120 47.7 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 142.029 ug/l

RT: 13.366 min Scan# 41

Delta R.T. -0.003 min

Lab File: VN070267.D

Acq: 21 Dec 2021 15:02

Instrument :

MSVOA_N

ClientSampleId :

MW-14DL

Tgt Ion:105 Resp: 541462

Ion Ratio Lower Upper

105 100

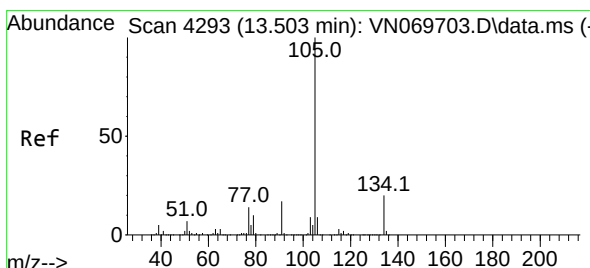
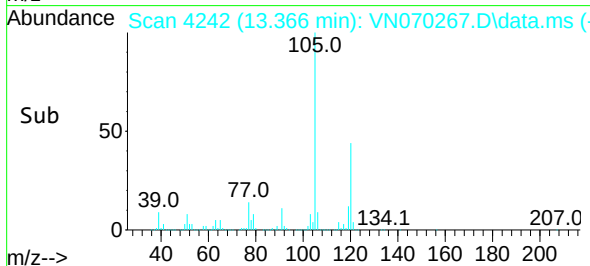
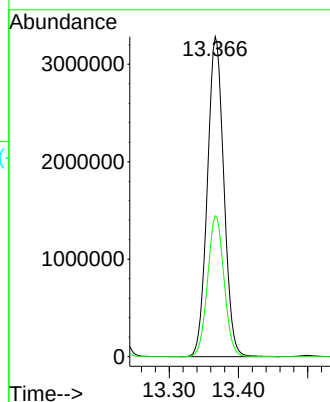
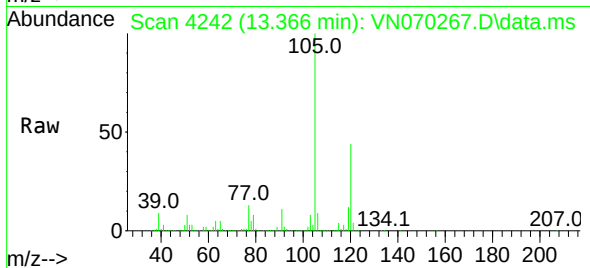
120 44.1 22.8 68.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2021

Supervised By :Semsettin Yesilyurt 12/23/2021



#85

sec-Butylbenzene

Concen: 0.459 ug/l m

RT: 13.501 min Scan# 4292

Delta R.T. -0.003 min

Lab File: VN070267.D

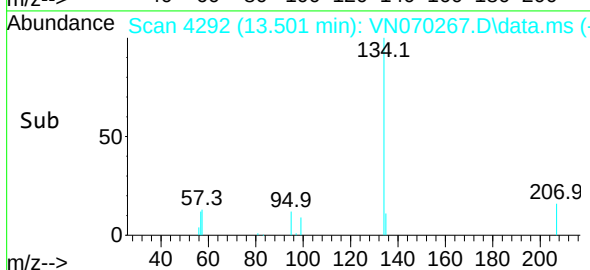
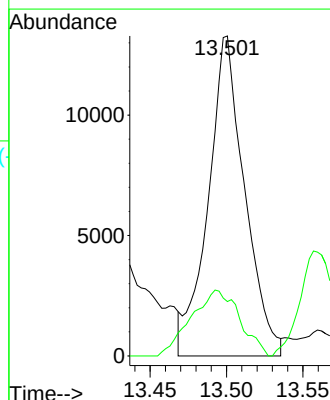
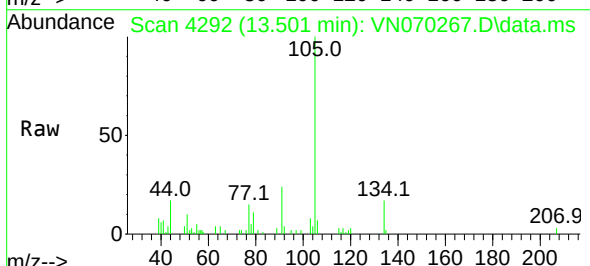
Acq: 21 Dec 2021 15:02

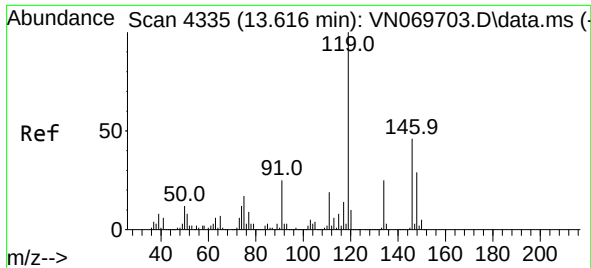
Tgt Ion:105 Resp: 22048

Ion Ratio Lower Upper

105 100

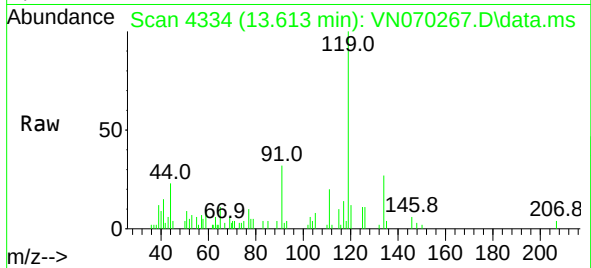
134 0.0 10.4 31.1#





#86
 p-Isopropyltoluene
 Concen: 0.395 ug/l m
 RT: 13.613 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070267.D
 Acq: 21 Dec 2021 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14DL



Tgt Ion:119 Resp: 1485
 Ion Ratio Lower Upper
 119 100
 134 45.7 13.6 40.7
 91 0.0 11.4 34.1

Manual Integrations
 APPROVED

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

