

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070268.D
 Acq On : 21 Dec 2021 15:27
 Operator : JC/MD
 Sample : M5039-07DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 20:11:14 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	8.085	168	850603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1435192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1280522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	501983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	721538	54.940	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.880%			
35) Dibromofluoromethane	8.021	113	473202	52.638	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.280%			
50) Toluene-d8	10.440	98	1850831	51.274	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.731	95	666472	50.965	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.920%			
Target Compounds					Qvalue	
3) Chloromethane	2.306	50	2835	0.228	ug/l	97
11) Tert butyl alcohol	5.374	59	277064	111.606	ug/l #	71
16) Acetone	4.293	43	68185	8.631	ug/l	97
19) Methyl tert-butyl Ether	5.618	73	4574981	145.219	ug/l	94
22) Diisopropyl ether	6.492	45	22202	0.622	ug/l #	79
25) 2-Butanone	7.345	43	37038	3.450	ug/l #	89
31) Cyclohexane	8.094	56	140476	7.686	ug/l #	88
39) Methylcyclohexane	9.461	83	49436	3.042	ug/l	93
40) Benzene	8.461	78	4322264	103.499	ug/l	98
52) Toluene	10.505	92	4000674	156.914	ug/l	98
67) Ethyl Benzene	11.843	91	1841774	39.030	ug/l	96
68) m/p-Xylenes	11.950	106	2873832	167.261	ug/l	92
69) o-Xylene	12.277	106	1479490	85.487	ug/l	90
73) Isopropylbenzene	12.578	105	151048	3.382	ug/l	98
78) n-propylbenzene	12.918	91	329908	6.638	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	862531	23.994	ug/l	98
84) 1,2,4-Trimethylbenzene	13.366	105	3154413	92.139	ug/l	98
85) sec-Butylbenzene	13.500	105	11234m	0.260	ug/l	
86) p-Isopropyltoluene	13.613	119	7830m	0.232	ug/l	

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

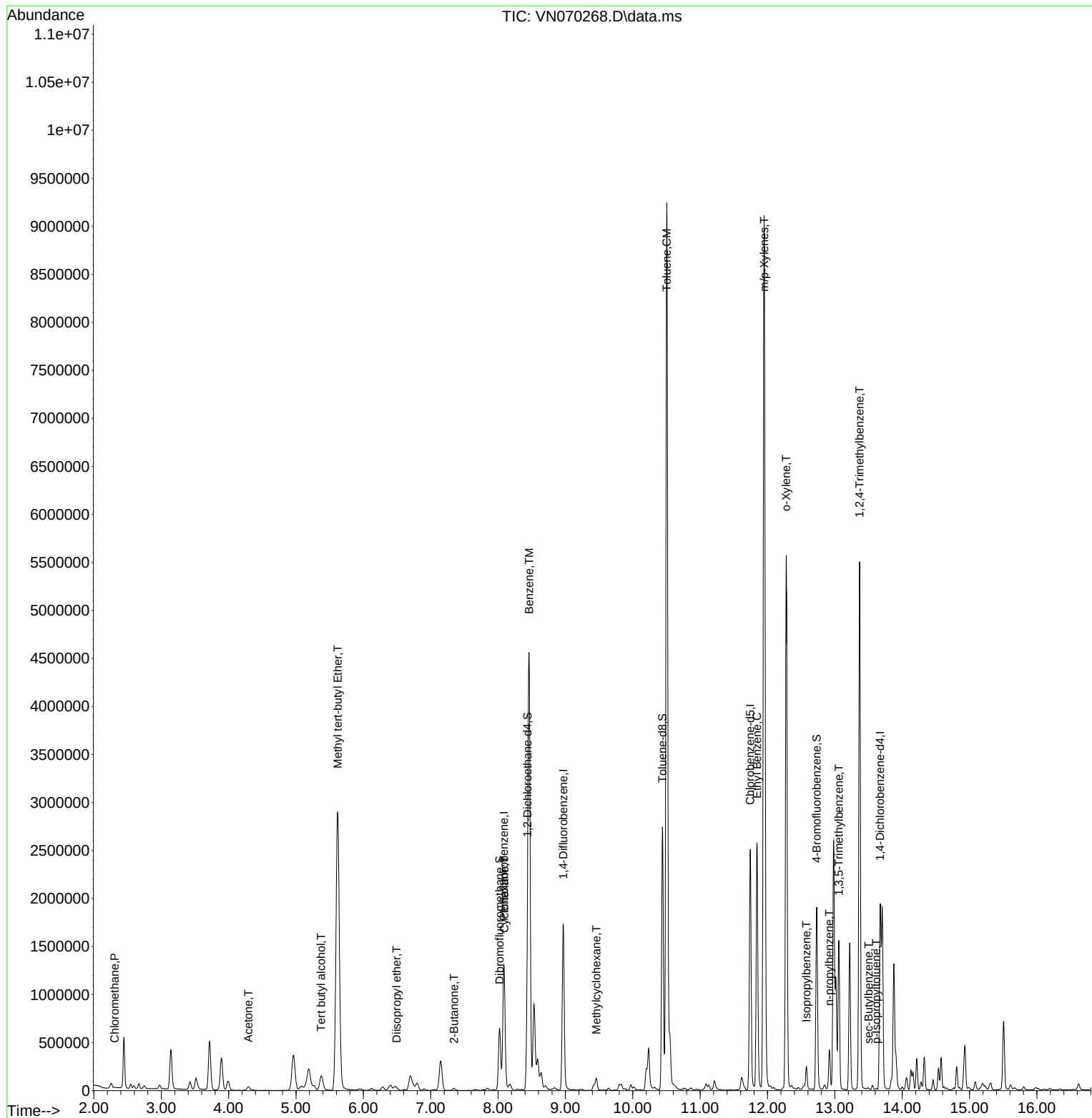
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
Data File : VN070268.D
Acq On : 21 Dec 2021 15:27
Operator : JC/MD
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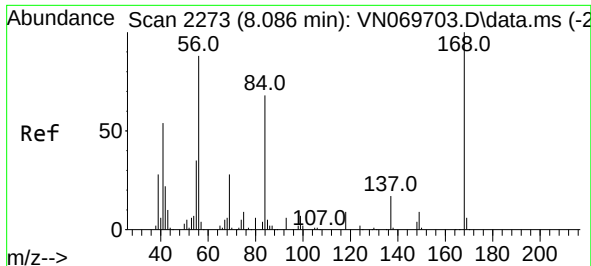
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL

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

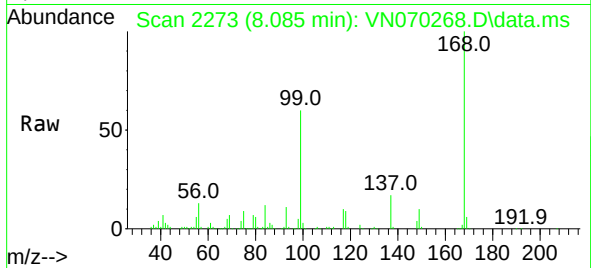
Quant Time: Dec 21 20:11:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

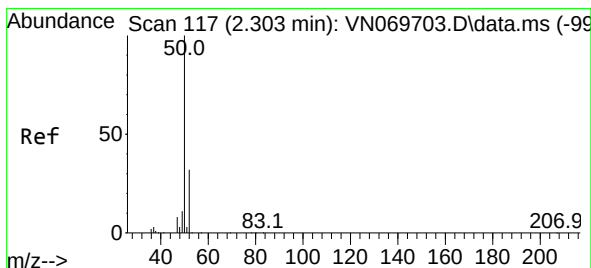
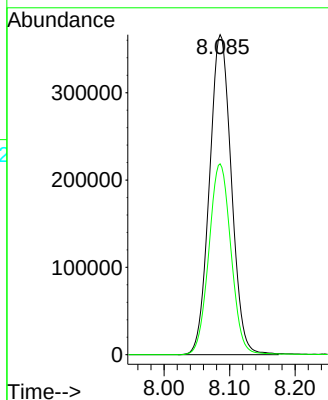
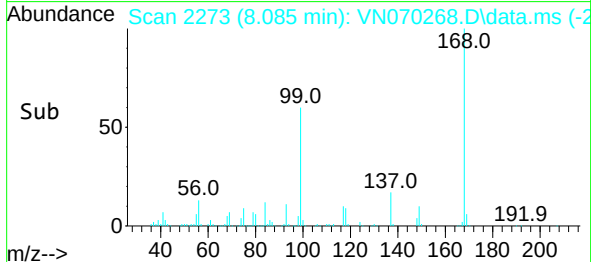
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



Tgt Ion:168 Resp: 85060
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9

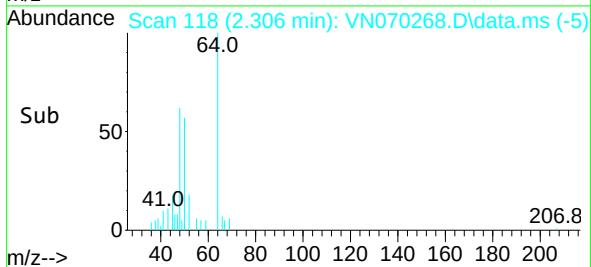
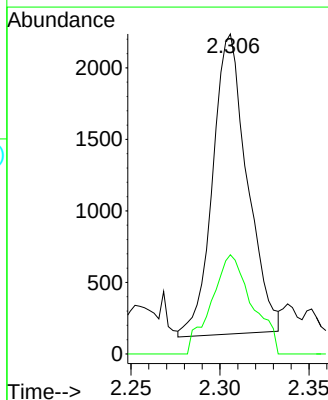
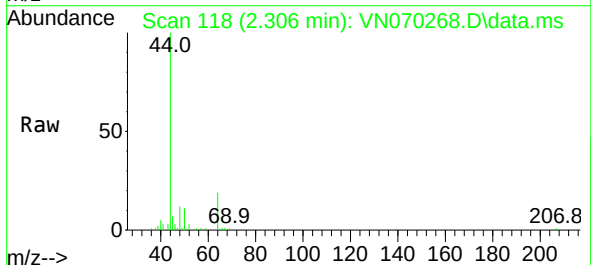
Manual Integrations
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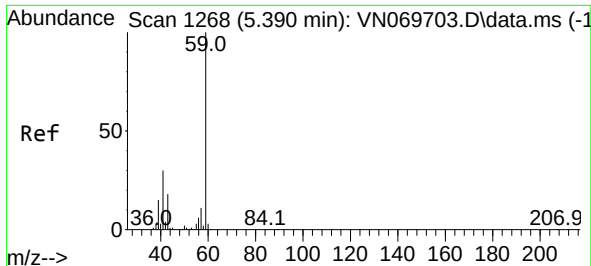
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

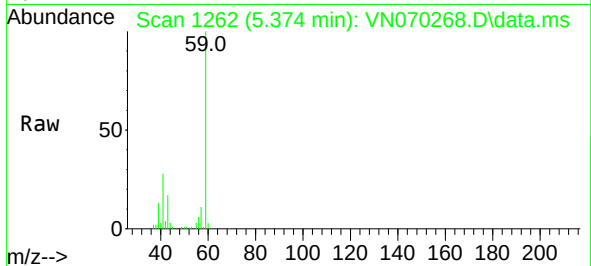
Tgt Ion: 50 Resp: 2835
Ion Ratio Lower Upper
50 100
52 33.4 25.4 38.0





#11
Tert butyl alcohol
Concen: 111.606 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.016 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

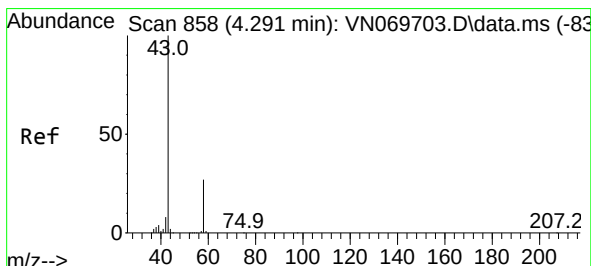
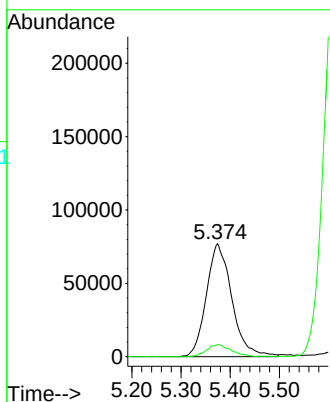
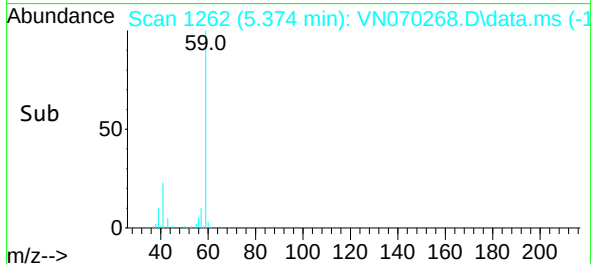
Instrument :
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ClientSampleId :
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Tgt Ion: 59 Resp: 277064
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

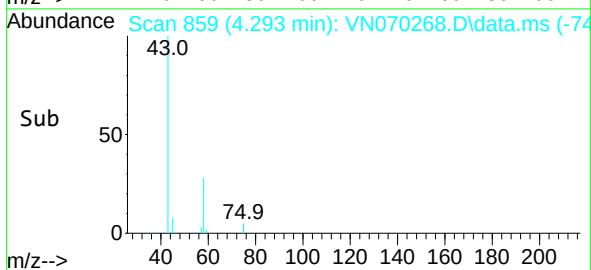
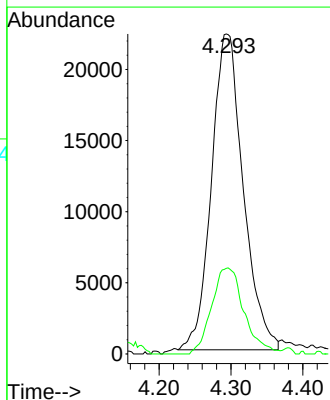
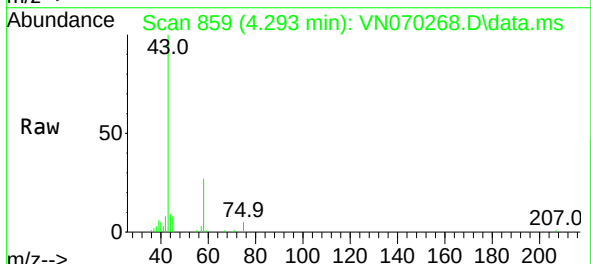
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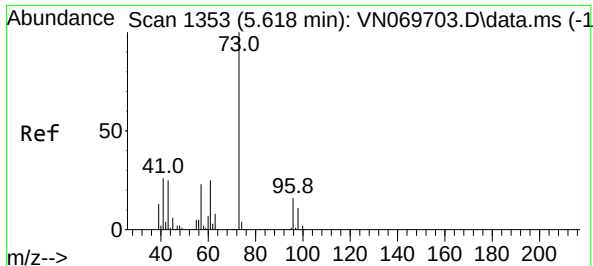
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#16
Acetone
Concen: 8.631 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

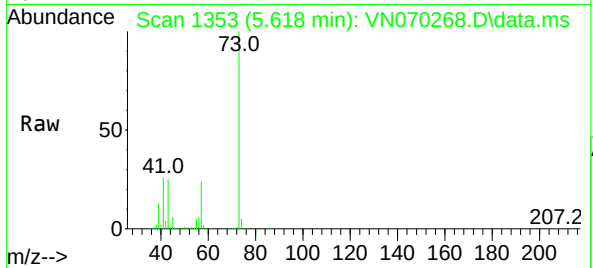
Tgt Ion: 43 Resp: 68185
Ion Ratio Lower Upper
43 100
58 27.1 23.1 34.7





#19
Methyl tert-butyl Ether
Concen: 145.219 ug/l
RT: 5.618 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

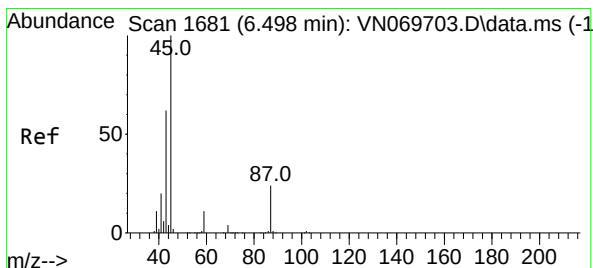
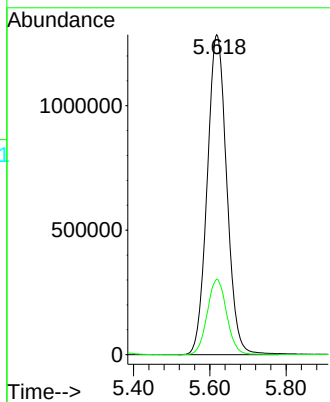
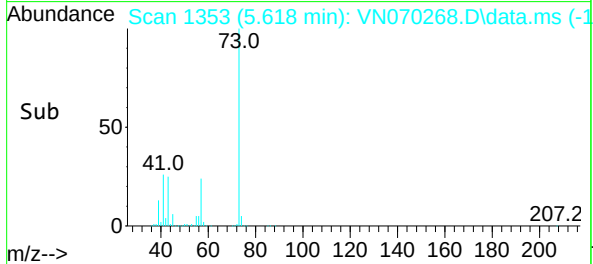
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



Tgt Ion: 73 Resp: 457498
Ion Ratio Lower Upper
73 100
57 23.6 16.8 25.2

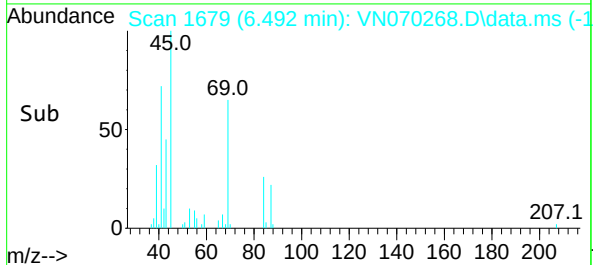
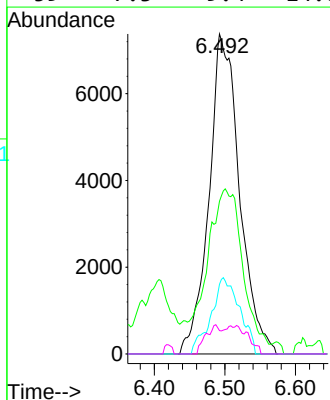
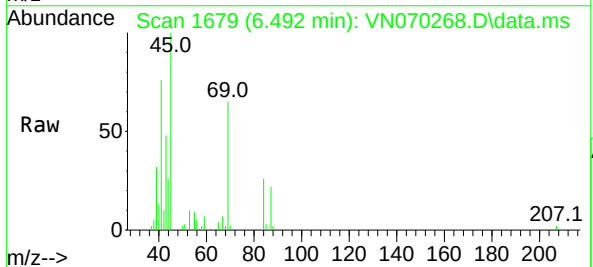
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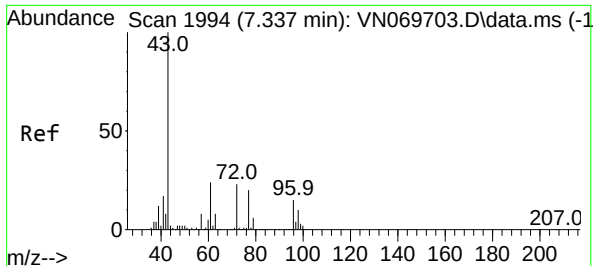
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#22
Diisopropyl ether
Concen: 0.622 ug/l
RT: 6.492 min Scan# 1679
Delta R.T. -0.005 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

Tgt Ion: 45 Resp: 22202
Ion Ratio Lower Upper
45 100
43 44.1 51.7 77.5#
87 21.8 23.2 34.8#
59 7.3 9.4 14.0#





#25

2-Butanone

Concen: 3.450 ug/l

RT: 7.345 min Scan# 1994

Delta R.T. 0.008 min

Lab File: VN070268.D

Acq: 21 Dec 2021 15:27

Instrument :

MSVOA_N

ClientSampleId :

MW-27DL

Tgt Ion: 43 Resp: 37038

Ion Ratio Lower Upper

43 100

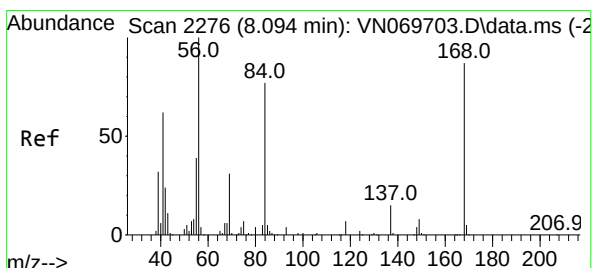
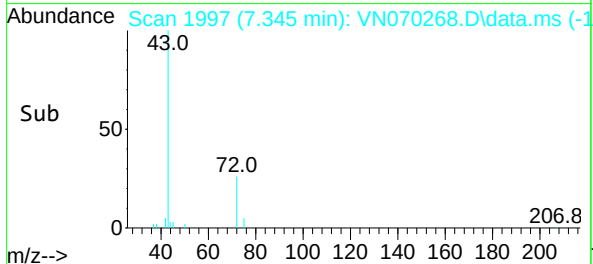
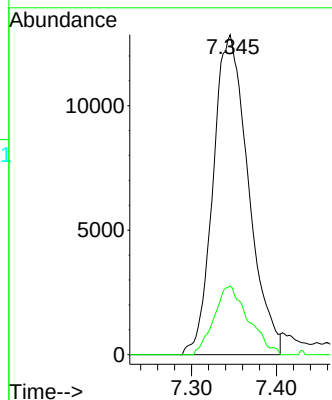
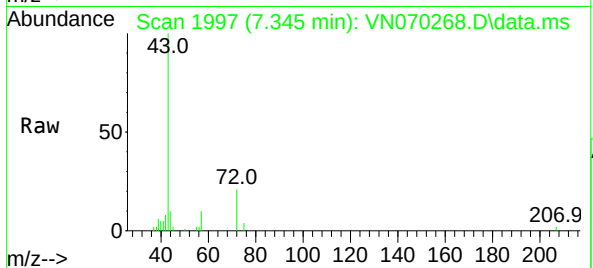
72 21.4 21.7 32.5

Manual Integrations

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#31

Cyclohexane

Concen: 7.686 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. 0.000 min

Lab File: VN070268.D

Acq: 21 Dec 2021 15:27

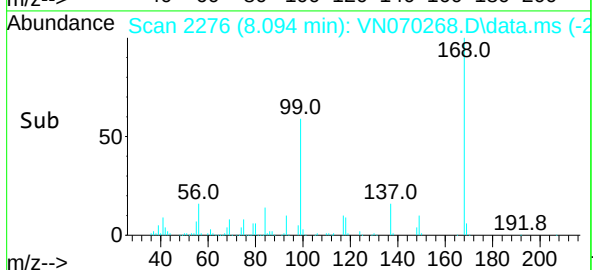
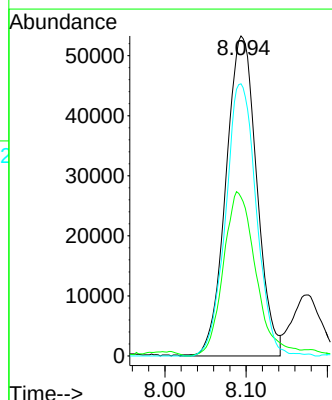
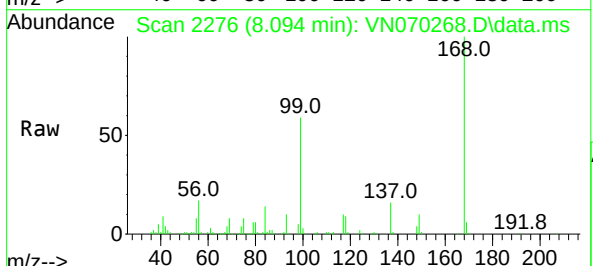
Tgt Ion: 56 Resp: 140476

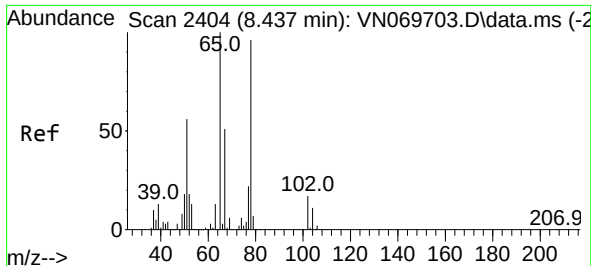
Ion Ratio Lower Upper

56 100

69 49.1 27.1 40.7

84 85.1 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 54.940 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070268.D

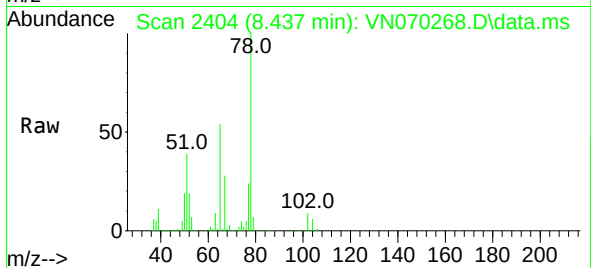
Acq: 21 Dec 2021 15:27

Instrument :

MSVOA_N

ClientSampleId :

MW-27DL



Tgt Ion: 65 Resp: 721538

Ion Ratio Lower Upper

65 100

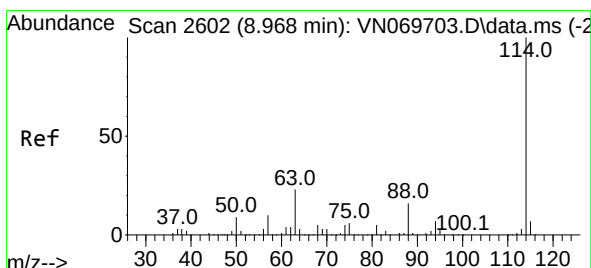
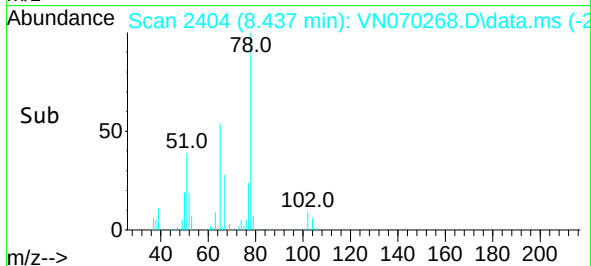
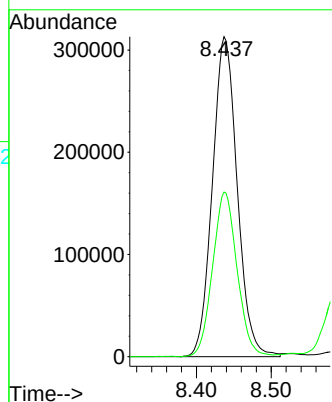
67 50.8 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070268.D

Acq: 21 Dec 2021 15:27

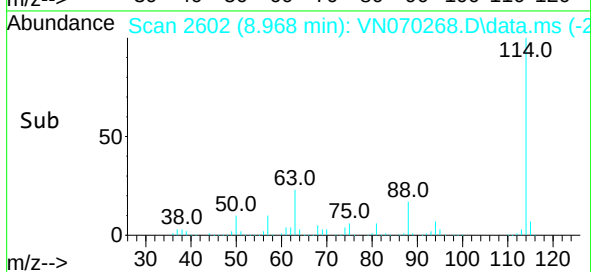
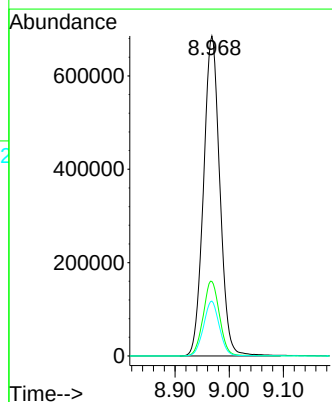
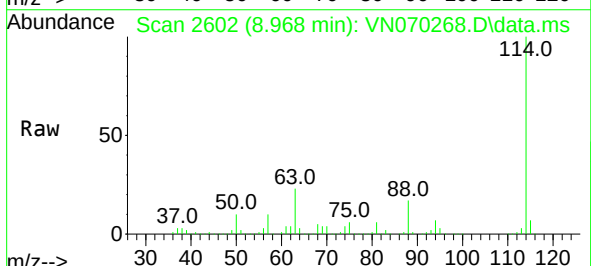
Tgt Ion:114 Resp: 1435192

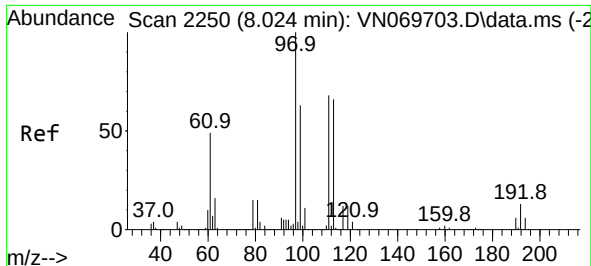
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

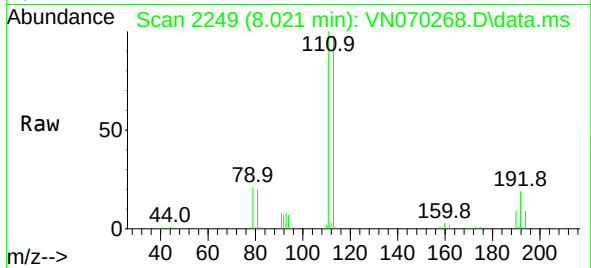
88 17.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 52.638 ug/l
RT: 8.021 min Scan# 2250
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

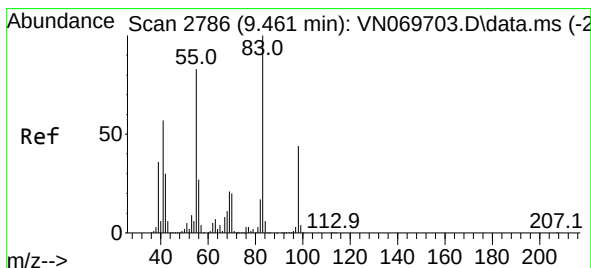
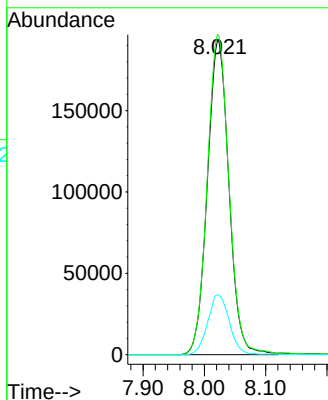
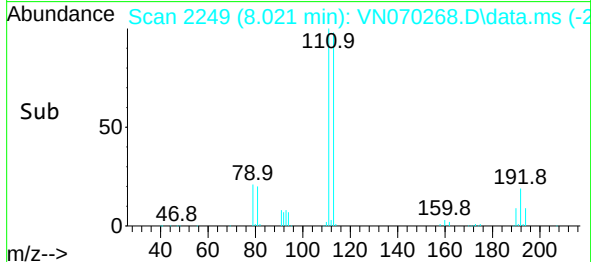
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



Tgt Ion: 113 Resp: 47320
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 19.0 16.9 25.3

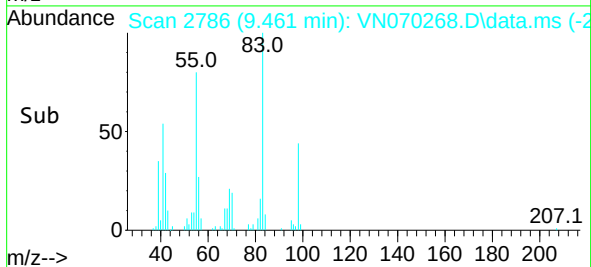
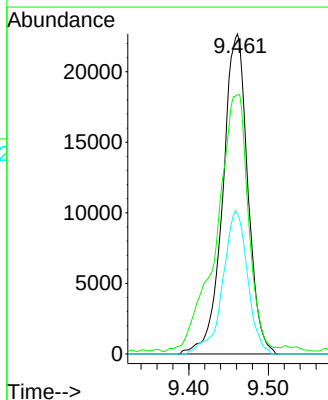
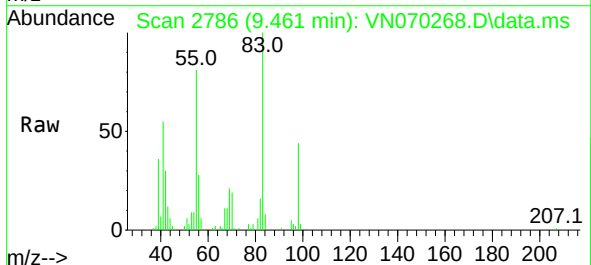
Manual Integrations
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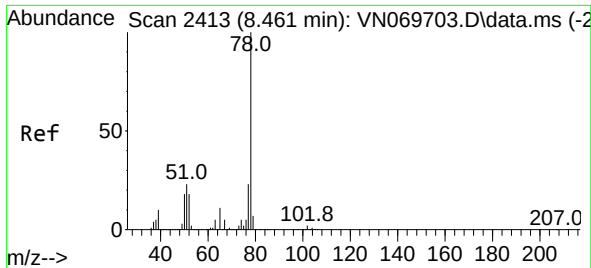
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#39
Methylcyclohexane
Concen: 3.042 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

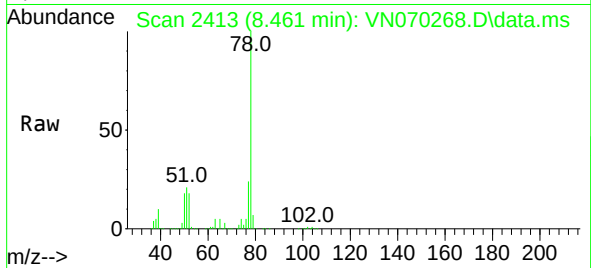
Tgt Ion: 83 Resp: 49436
Ion Ratio Lower Upper
83 100
55 79.0 58.1 87.1
98 43.9 38.4 57.6





#40
Benzene
Concen: 103.499 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

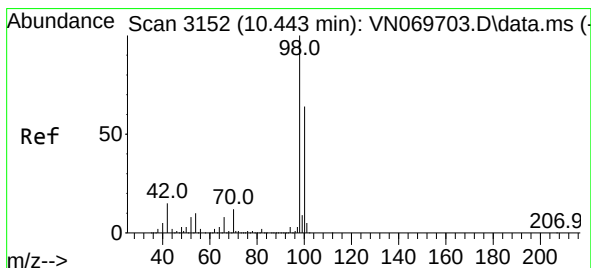
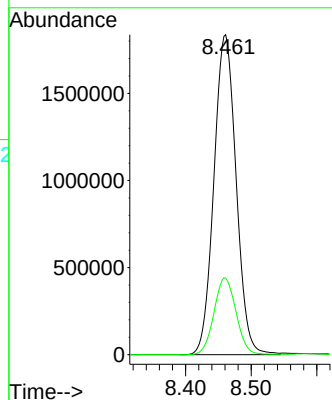
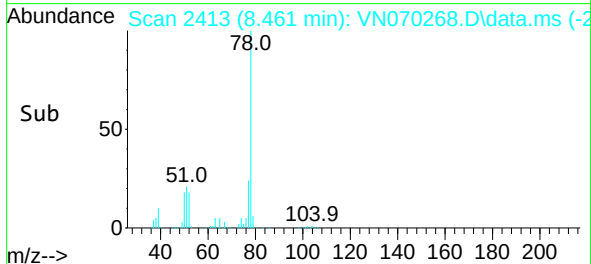
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



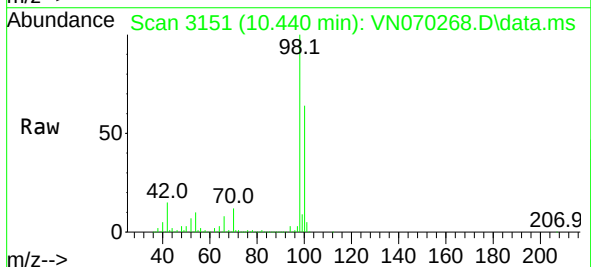
Tgt Ion: 78 Resp: 4322264
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8

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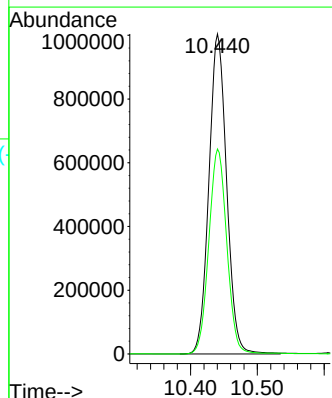
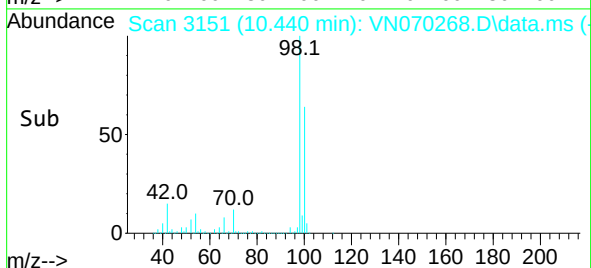
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

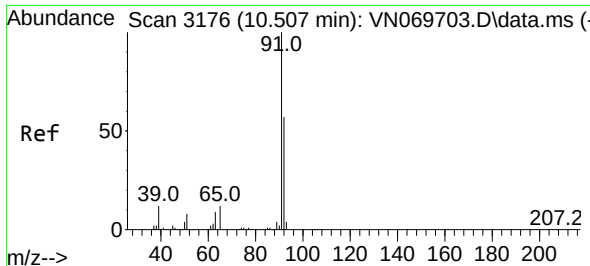


#50
Toluene-d8
Concen: 51.274 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27



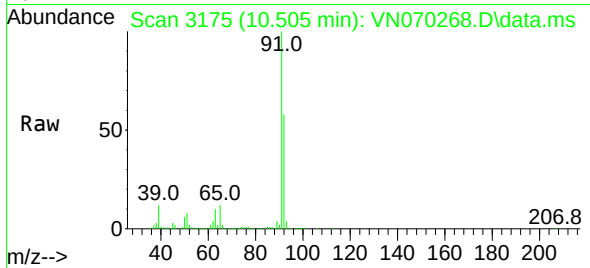
Tgt Ion: 98 Resp: 1850831
Ion Ratio Lower Upper
98 100
100 64.8 50.4 75.6





#52
Toluene
Concen: 156.914 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

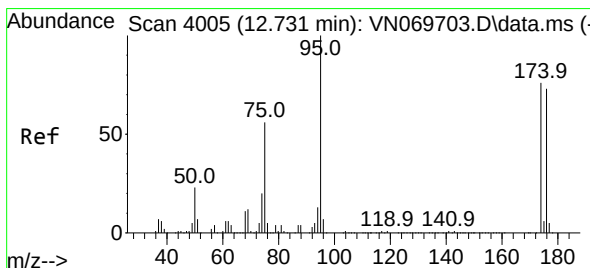
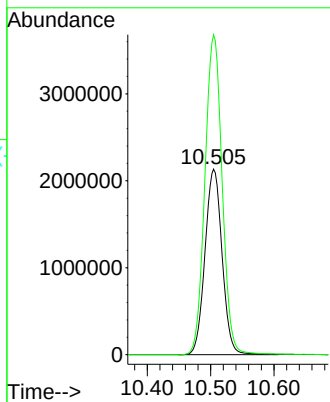
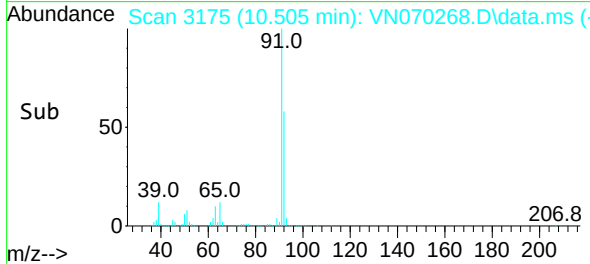
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



Tgt Ion: 92 Resp: 4000674
Ion Ratio Lower Upper
92 100
91 174.1 142.0 213.0

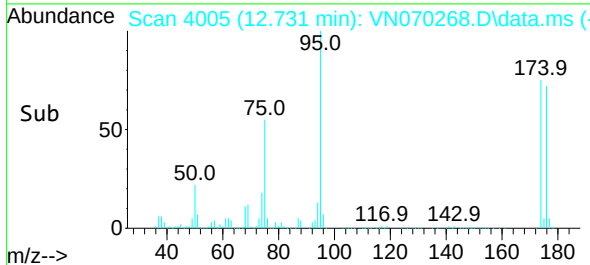
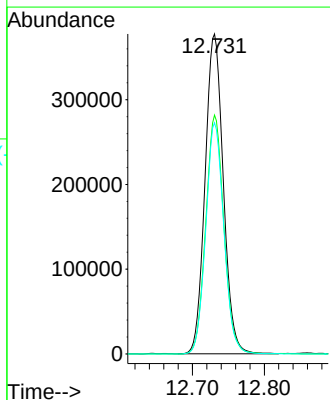
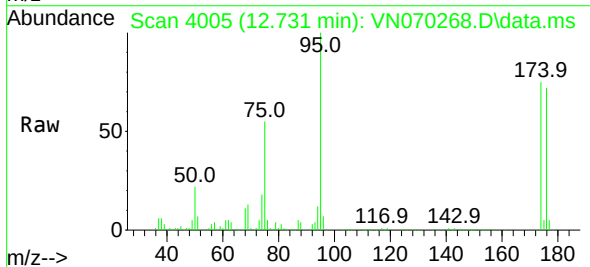
Manual Integrations
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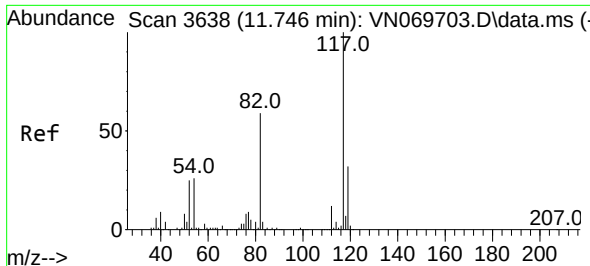
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#62
4-Bromofluorobenzene
Concen: 50.965 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

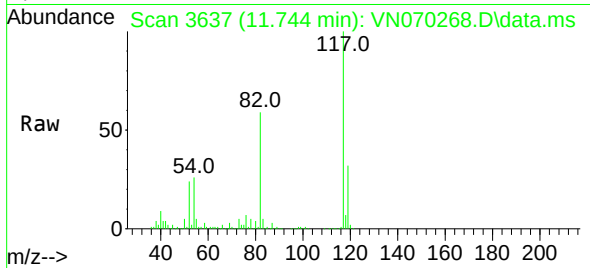
Tgt Ion: 95 Resp: 666472
Ion Ratio Lower Upper
95 100
174 74.4 0.0 187.2
176 71.8 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

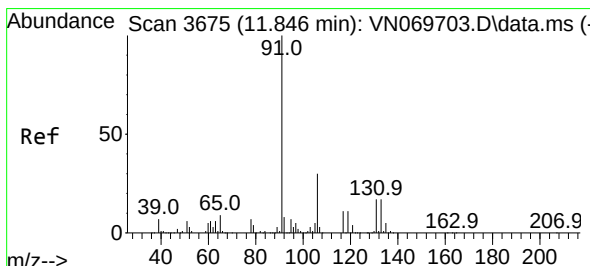
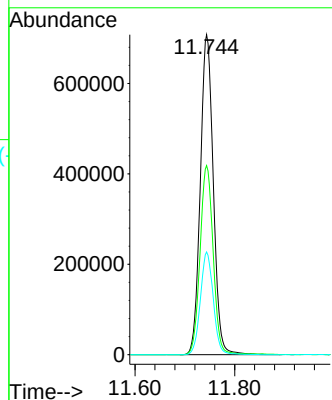
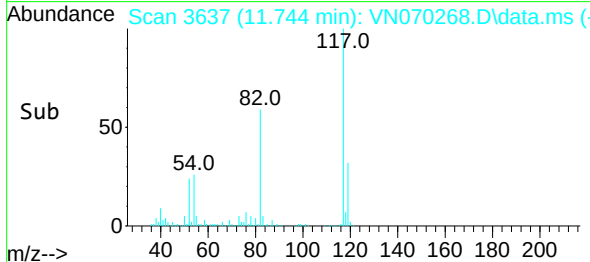
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



Tgt Ion:117 Resp: 128052
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.1 25.4 38.2

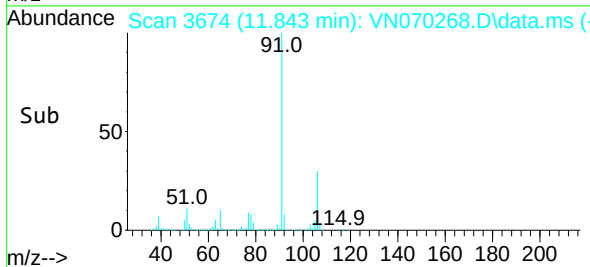
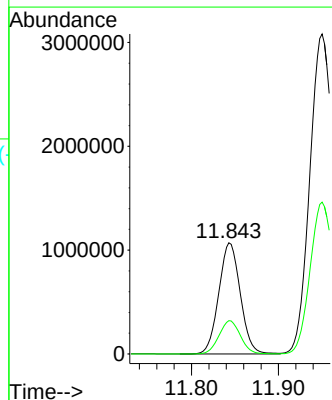
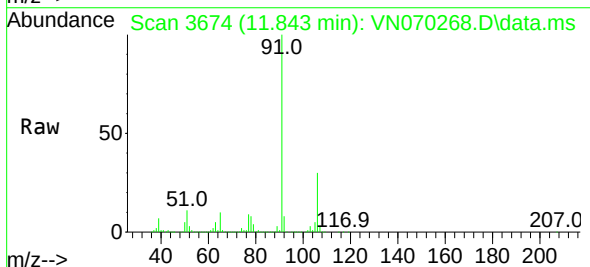
Manual Integrations
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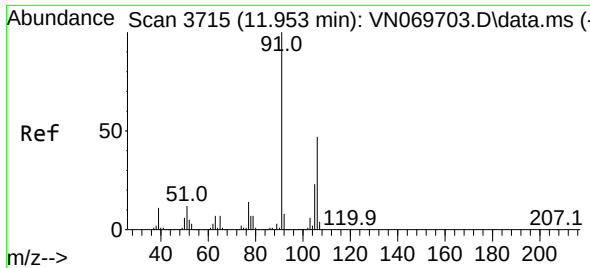
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#67
Ethyl Benzene
Concen: 39.030 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

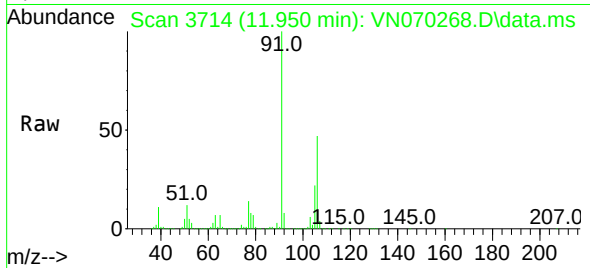
Tgt Ion: 91 Resp: 1841774
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5





#68
m/p-Xylenes
Concen: 167.261 ug/l
RT: 11.950 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

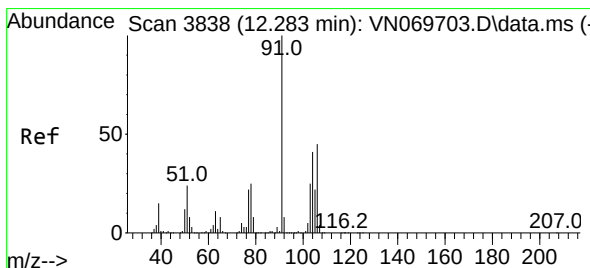
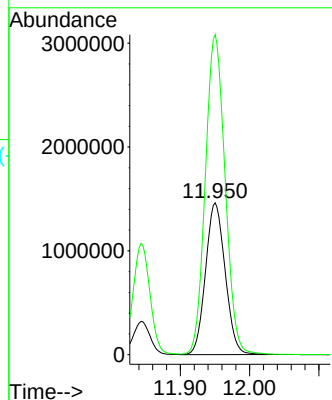
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



Tgt Ion:106 Resp: 287383
Ion Ratio Lower Upper
106 100
91 213.0 160.6 240.8

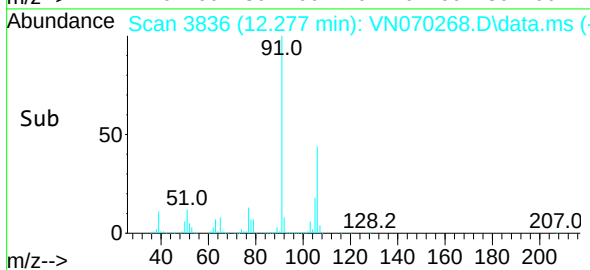
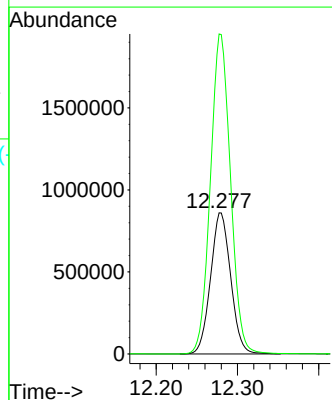
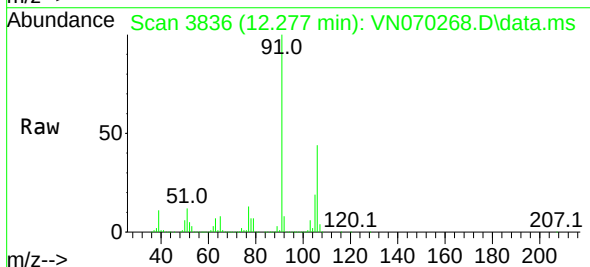
Manual Integrations
APPROVED

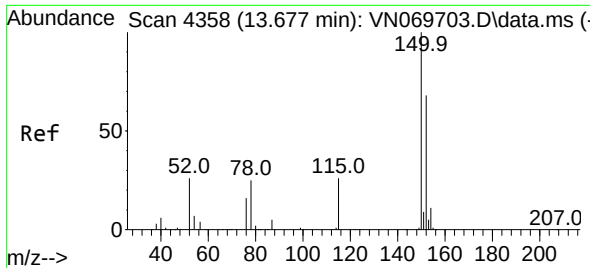
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#69
o-Xylene
Concen: 85.487 ug/l
RT: 12.277 min Scan# 3836
Delta R.T. -0.005 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

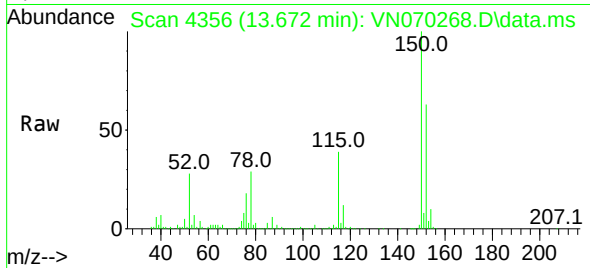
Tgt Ion:106 Resp: 1479490
Ion Ratio Lower Upper
106 100
91 226.7 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. -0.005 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

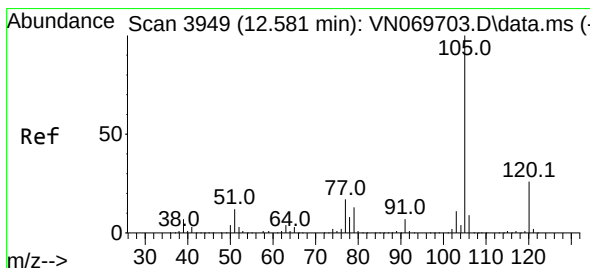
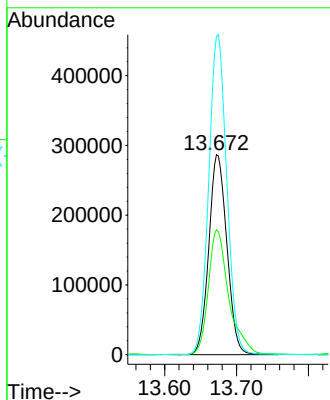
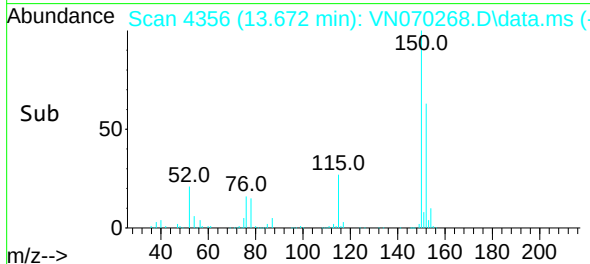
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



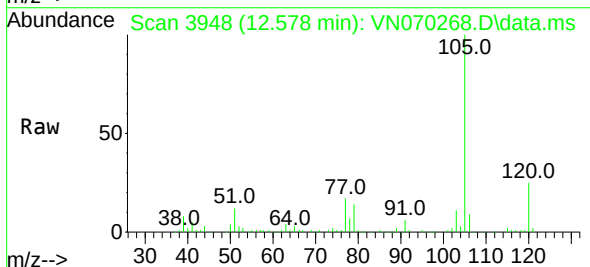
Tgt Ion:152 Resp: 50198
Ion Ratio Lower Upper
152 100
115 70.6 27.5 82.5
150 159.8 0.0 344.4

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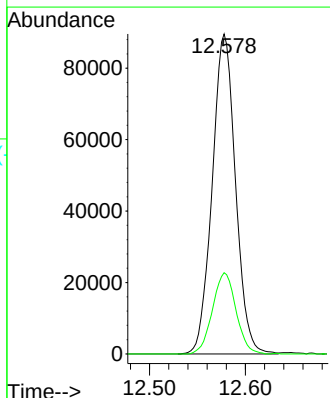
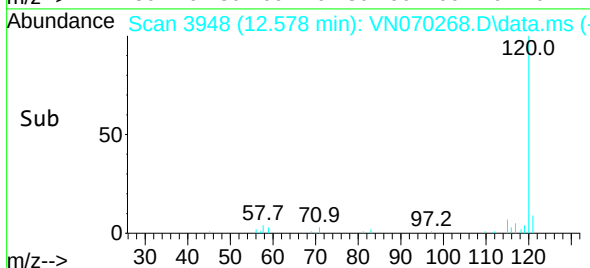
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

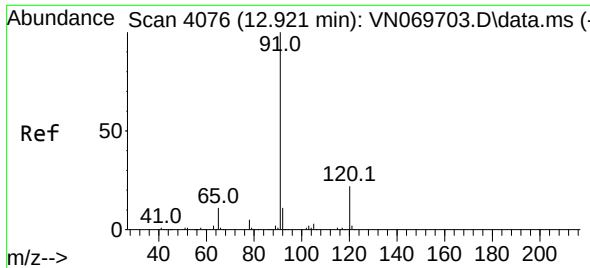


#73
Isopropylbenzene
Concen: 3.382 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27



Tgt Ion:105 Resp: 151048
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1





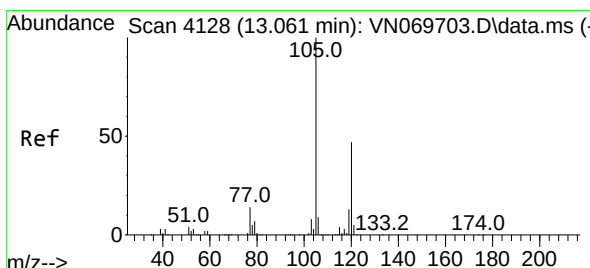
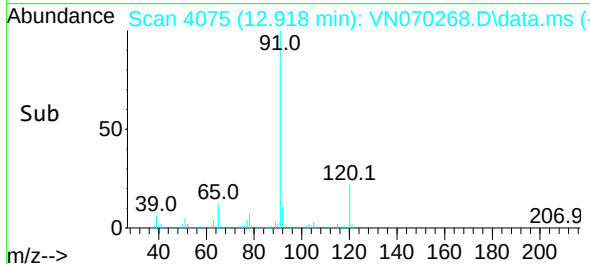
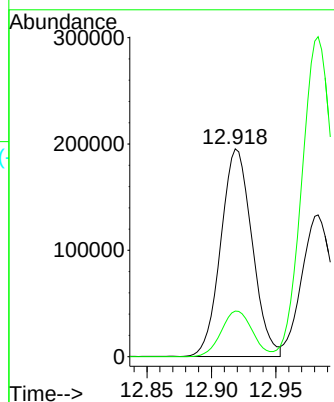
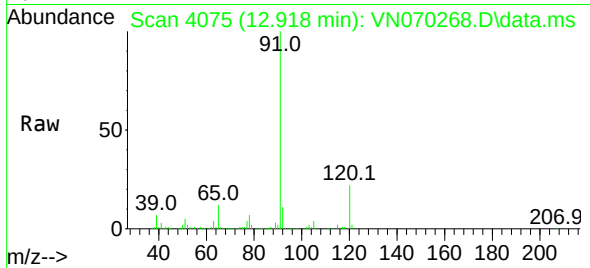
#78
n-propylbenzene
Concen: 6.638 ug/l
RT: 12.918 min Scan# 4076
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

Instrument :
MSVOA_N
Client Sample Id :
MW-27DL

Tgt Ion: 91 Resp: 329908
Ion Ratio Lower Upper
91 100
120 22.1 11.9 35.9

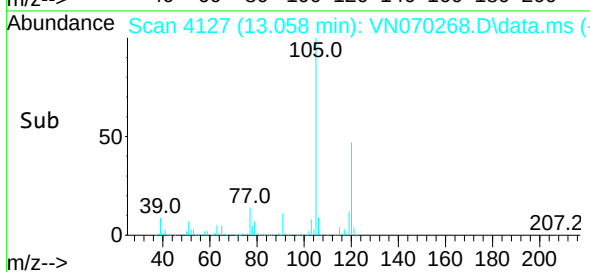
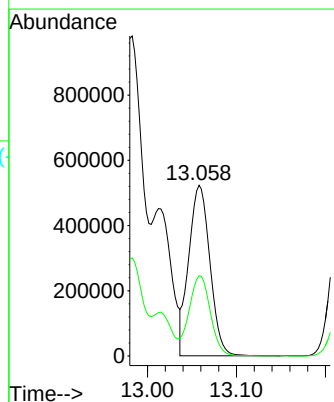
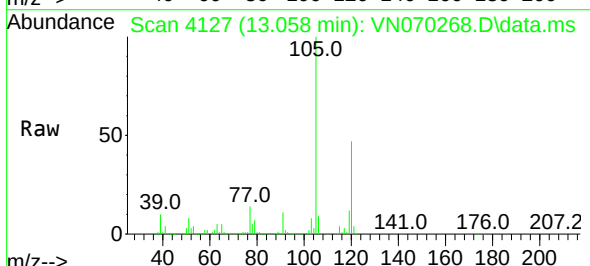
Manual Integrations
APPROVED

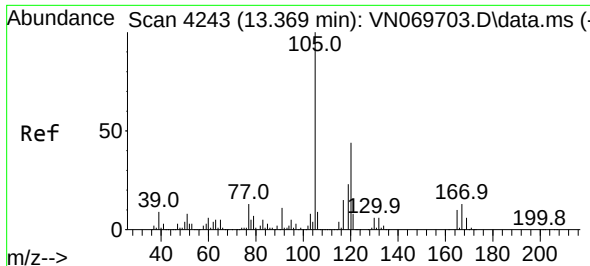
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#80
1,3,5-Trimethylbenzene
Concen: 23.994 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

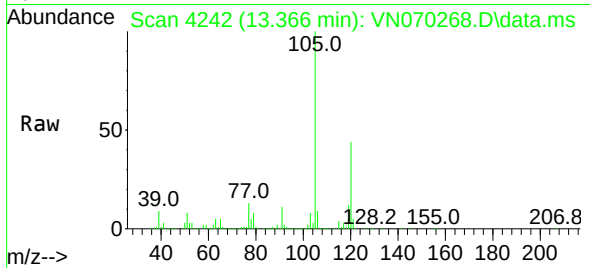
Tgt Ion:105 Resp: 862531
Ion Ratio Lower Upper
105 100
120 47.9 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 92.139 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27

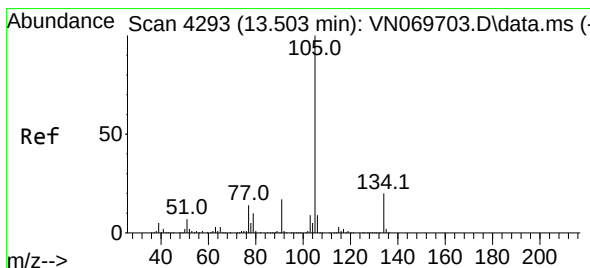
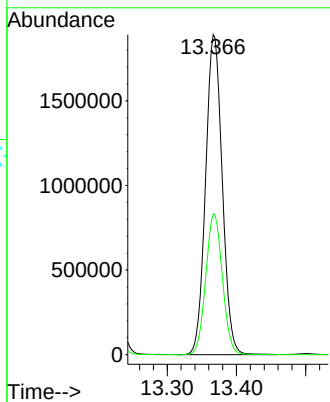
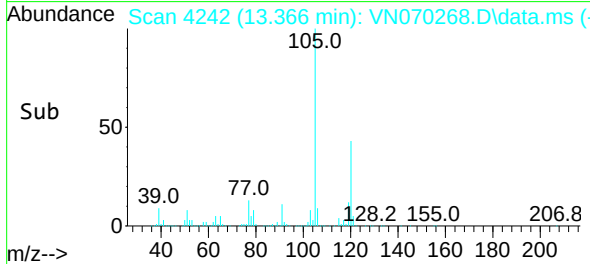
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



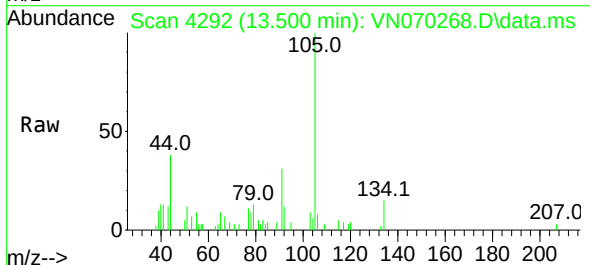
Tgt Ion:105 Resp: 315441
Ion Ratio Lower Upper
105 100
120 44.0 22.8 68.4

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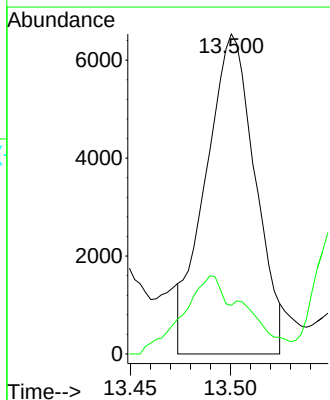
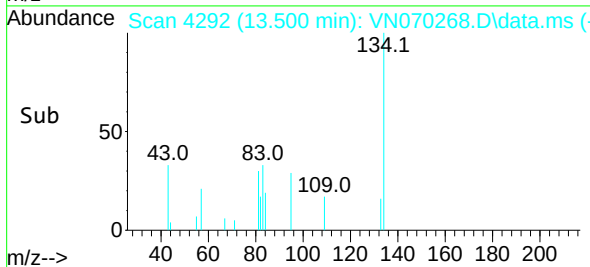
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

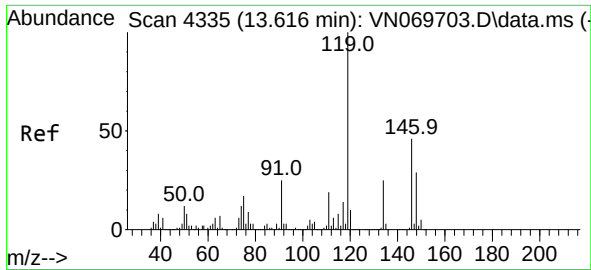


#85
sec-Butylbenzene
Concen: 0.260 ug/l m
RT: 13.500 min Scan# 4292
Delta R.T. -0.003 min
Lab File: VN070268.D
Acq: 21 Dec 2021 15:27



Tgt Ion:105 Resp: 11234
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86

p-Isopropyltoluene

Concen: 0.232 ug/l m

RT: 13.613 min Scan# 4334

Delta R.T. -0.003 min

Lab File: VN070268.D

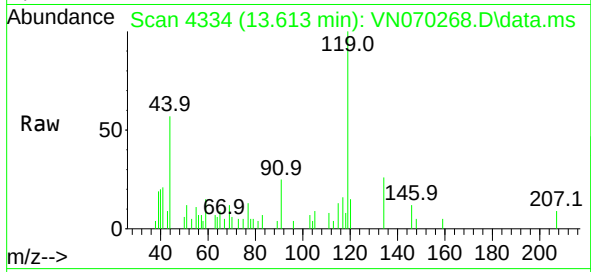
Acq: 21 Dec 2021 15:27

Instrument :

MSVOA_N

ClientSampleId :

MW-27DL



Tgt Ion:119 Resp: 7830

Ion Ratio Lower Upper

119 100

134 81.5 13.6 40.7

91 0.0 11.4 34.1

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/23/2021

