

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070166.D
 Acq On : 17 Dec 2021 16:10
 Operator : JC/MD
 Sample : M5039-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Quant Time: Dec 18 05:46:06 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 12/18/2021
 Supervised By : Mahesh Dadoda 12/23/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1038727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1774320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1687205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	800928	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	740119	46.148	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.300%		
35) Dibromofluoromethane	8.024	113	493561	44.409	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	88.820%		
50) Toluene-d8	10.440	98	2011437	45.073	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.140%		
62) 4-Bromofluorobenzene	12.731	95	828670	51.257	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.520%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.388	59	6931515	2286.449	ug/l	99
16) Acetone	4.291	43	1431080	148.336	ug/l	95
17) Carbon Disulfide	4.529	76	11670	0.457	ug/l	100
19) Methyl tert-butyl Ether	5.621	73	9784284	254.325	ug/l	# 47
22) Diisopropyl ether	6.501	45	731166	16.778	ug/l	87
25) 2-Butanone	7.340	43	555071	42.345	ug/l	90
31) Cyclohexane	8.094	56	2666096	119.453	ug/l	88
39) Methylcyclohexane	9.461	83	1281742	63.795	ug/l	88
40) Benzene	8.445	78	28638741m	554.700	ug/l	
52) Toluene	10.507	92	13463162	427.124	ug/l	# 1
67) Ethyl Benzene	11.827	91	29471995m	474.016	ug/l	
68) m/p-Xylenes	11.937	106	32641386m	1441.857	ug/l	
69) o-Xylene	12.275	106	18077611m	792.771	ug/l	
73) Isopropylbenzene	12.578	105	11032641	154.822	ug/l	99
78) n-propylbenzene	12.913	91	17382776m	219.211	ug/l	
80) 1,3,5-Trimethylbenzene	13.050	105	19073674m	332.549	ug/l	
83) tert-Butylbenzene	13.329	119	27472m	0.541	ug/l	
84) 1,2,4-Trimethylbenzene	13.350	105	27079326m	495.745	ug/l	
85) sec-Butylbenzene	13.503	105	385623	5.598	ug/l	# 74
86) p-Isopropyltoluene	13.616	119	337410m	6.266	ug/l	
89) n-Butylbenzene	13.940	91	312028m	7.143	ug/l	

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

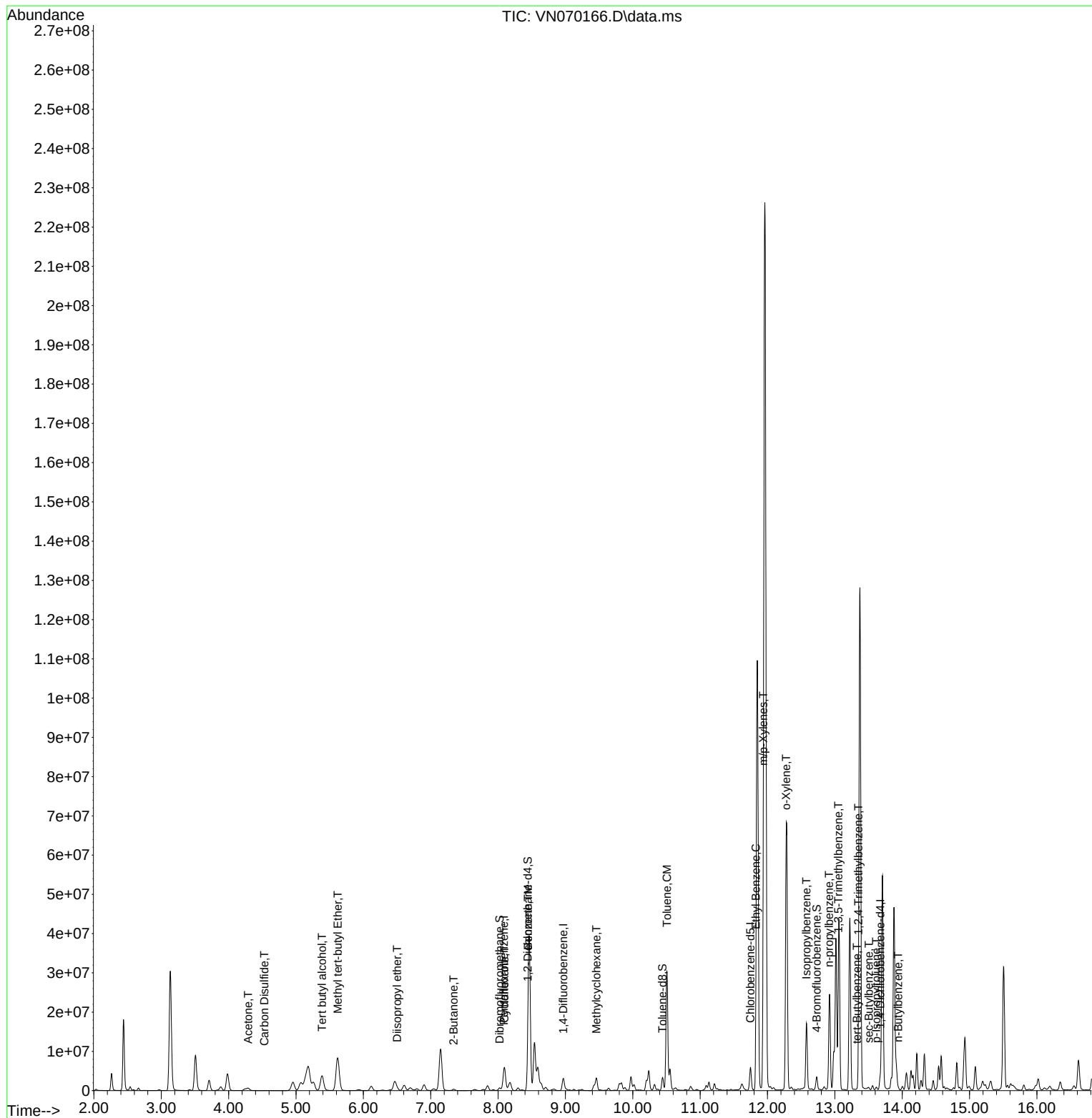
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070166.D
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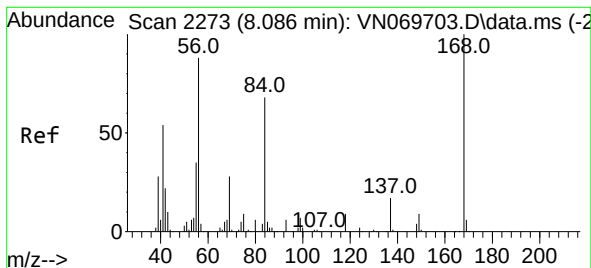
Instrument :
MSVOA_N
ClientSampleId :
MW-14

Quant Time: Dec 18 05:46:06 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

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Supervised By : Mahesh Dadoda 12/23/2021





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070166.D

Acq: 17 Dec 2021 16:10

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tgt Ion:168 Resp: 103872

Ion Ratio Lower Upper

168 100

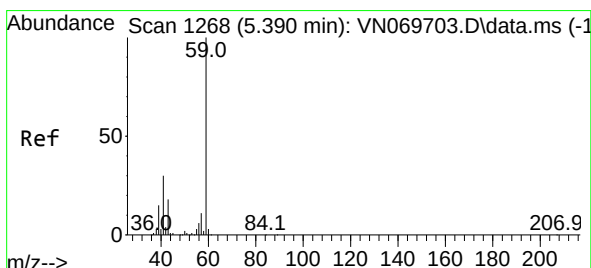
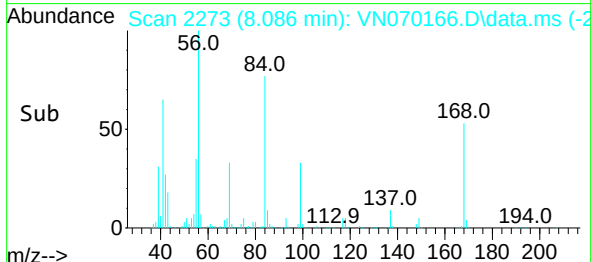
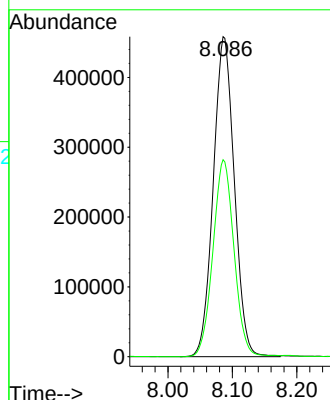
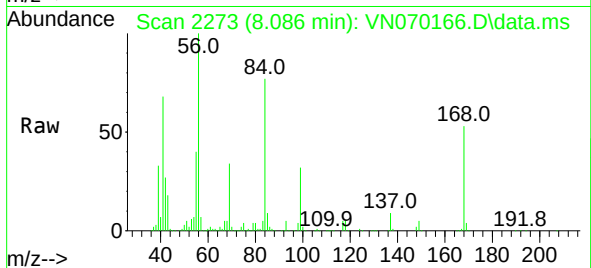
99 61.5 41.3 61.9

Manual Integrations

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#11

Tert butyl alcohol

Concen: 2286.449 ug/l

RT: 5.388 min Scan# 1267

Delta R.T. -0.003 min

Lab File: VN070166.D

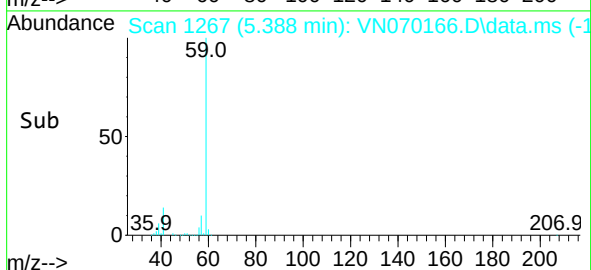
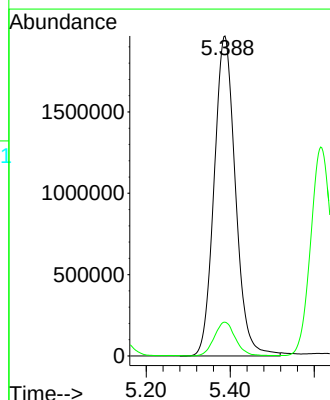
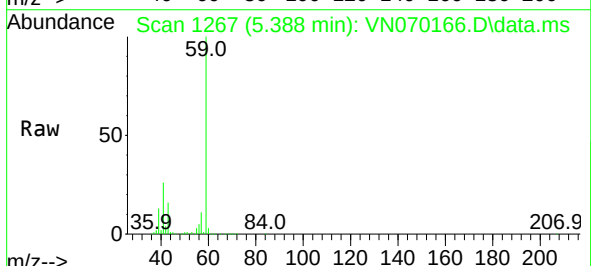
Acq: 17 Dec 2021 16:10

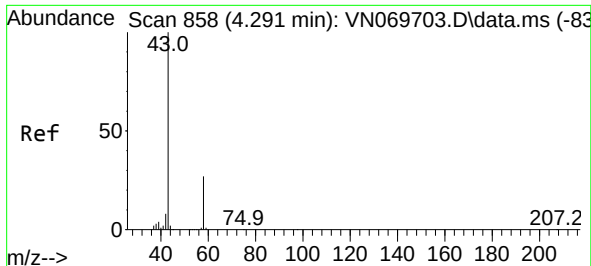
Tgt Ion: 59 Resp: 6931515

Ion Ratio Lower Upper

59 100

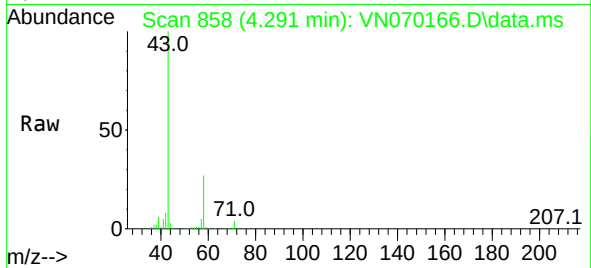
57 10.5 8.7 13.1





#16
Acetone
Concen: 148.336 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

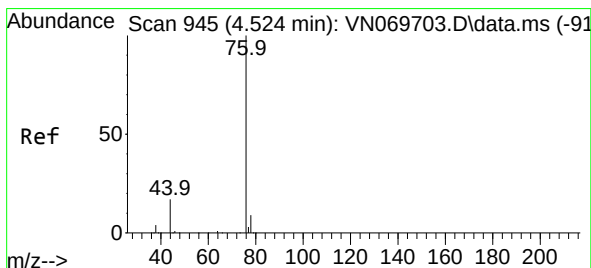
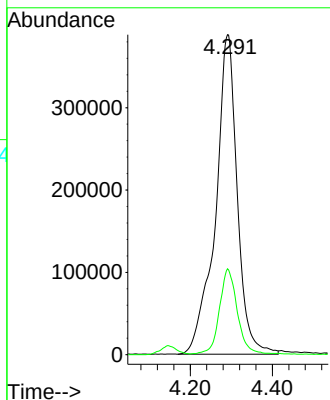
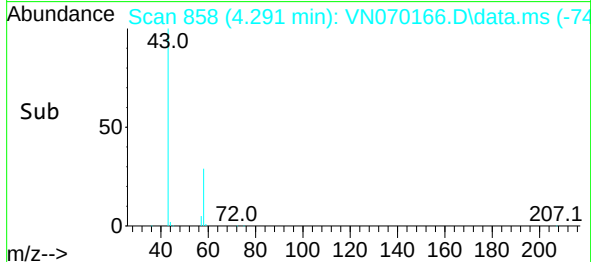
Instrument :
MSVOA_N
Client Sample Id :
MW-14



Tgt Ion: 43 Resp: 1431080
Ion Ratio Lower Upper
43 100
58 26.4 23.1 34.7

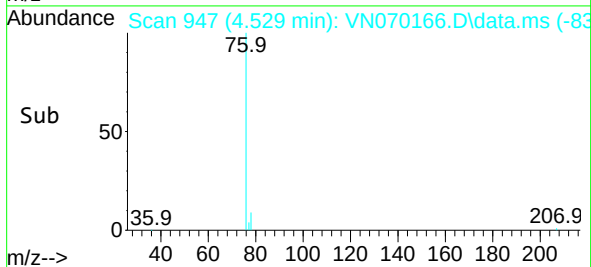
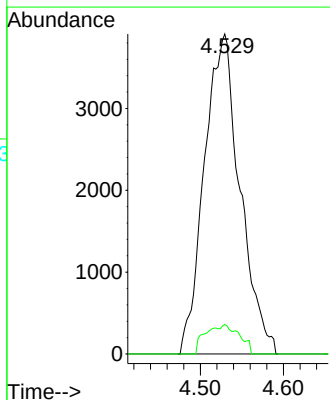
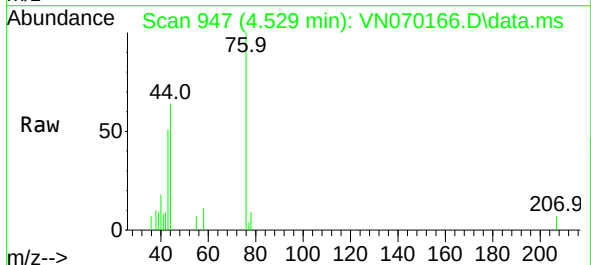
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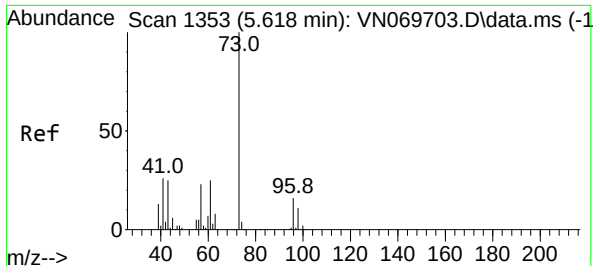
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#17
Carbon Disulfide
Concen: 0.457 ug/l
RT: 4.529 min Scan# 947
Delta R.T. 0.005 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

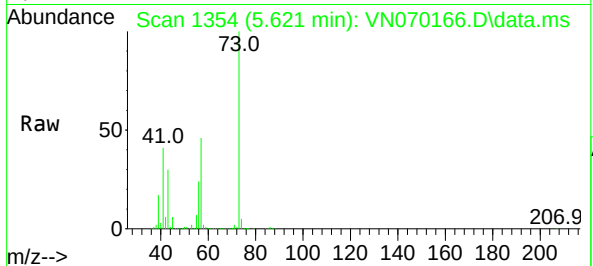
Tgt Ion: 76 Resp: 11670
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3





#19
Methyl tert-butyl Ether
Concen: 254.325 ug/l
RT: 5.621 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

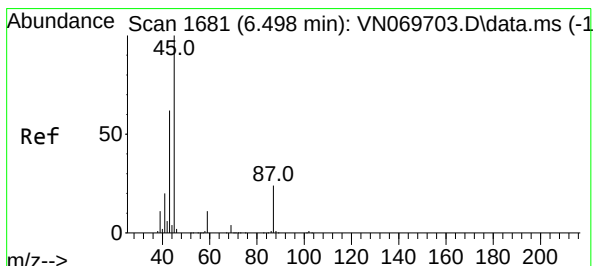
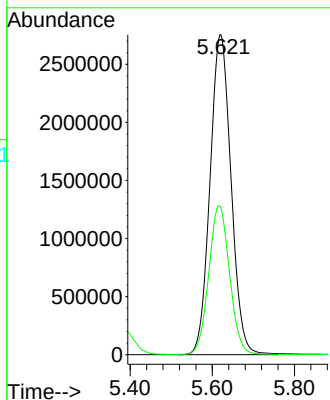
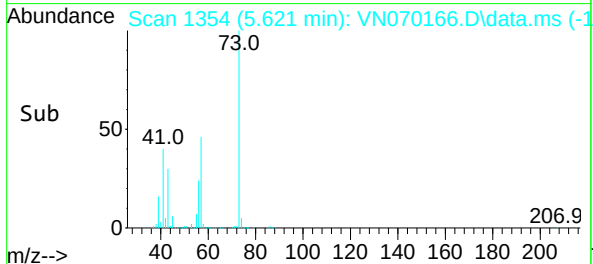
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 73 Resp: 9784284
Ion Ratio Lower Upper
73 100
57 45.6 16.8 25.2

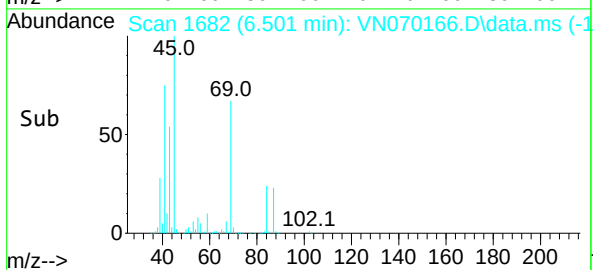
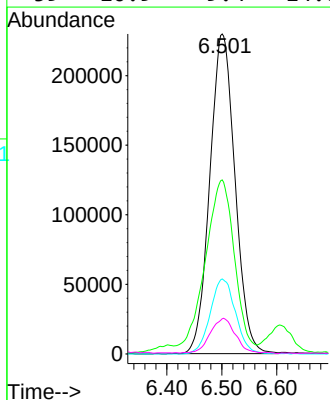
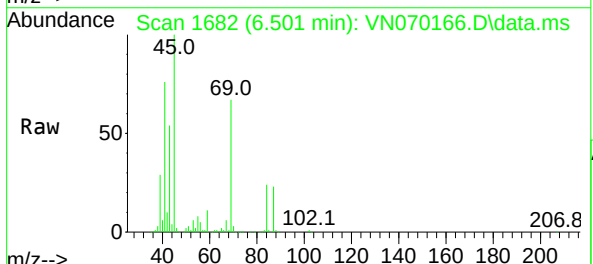
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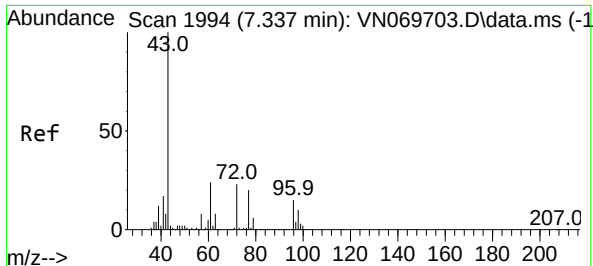
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#22
Diisopropyl ether
Concen: 16.778 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

Tgt Ion: 45 Resp: 731166
Ion Ratio Lower Upper
45 100
43 51.7 51.7 77.5
87 23.5 23.2 34.8
59 10.9 9.4 14.0





#25

2-Butanone

Concen: 42.345 ug/l

RT: 7.340 min Scan# 1994

Delta R.T. 0.003 min

Lab File: VN070166.D

Acq: 17 Dec 2021 16:10

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tgt Ion: 43 Resp: 55507

Ion Ratio Lower Upper

43 100

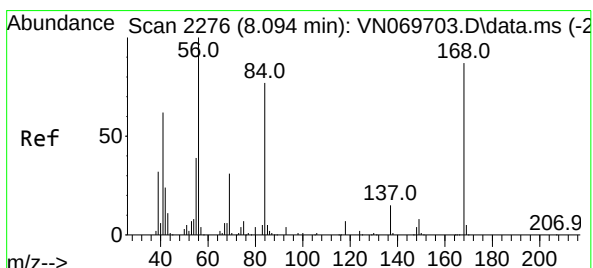
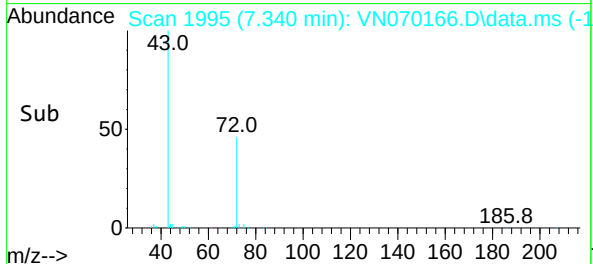
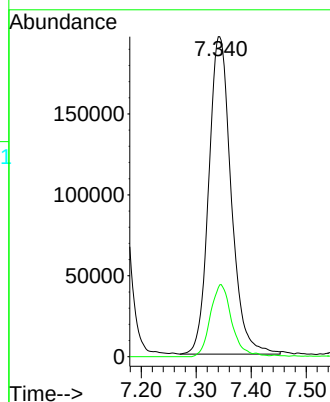
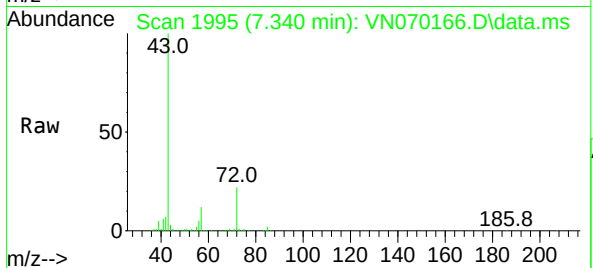
72 21.7 21.7 32.5

Manual Integrations

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#31

Cyclohexane

Concen: 119.453 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. 0.000 min

Lab File: VN070166.D

Acq: 17 Dec 2021 16:10

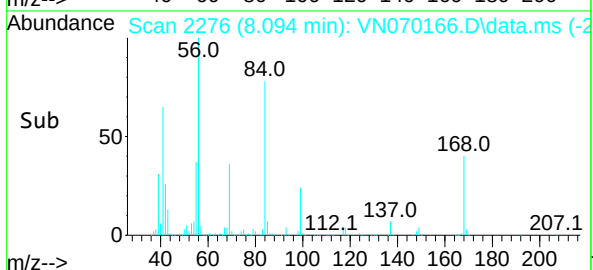
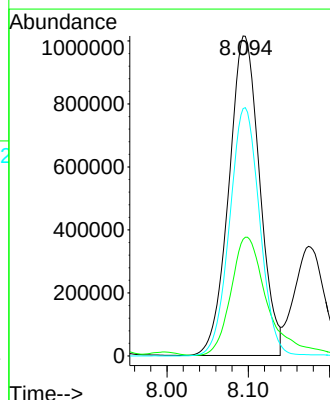
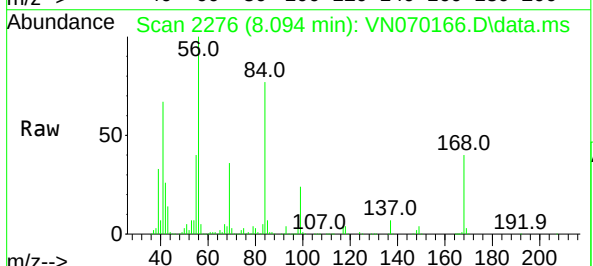
Tgt Ion: 56 Resp: 2666096

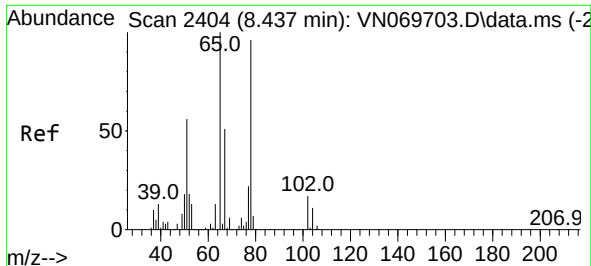
Ion Ratio Lower Upper

56 100

69 36.0 27.1 40.7

84 77.4 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 46.148 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070166.D

Acq: 17 Dec 2021 16:10

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tgt Ion: 65 Resp: 740119

Ion Ratio Lower Upper

65 100

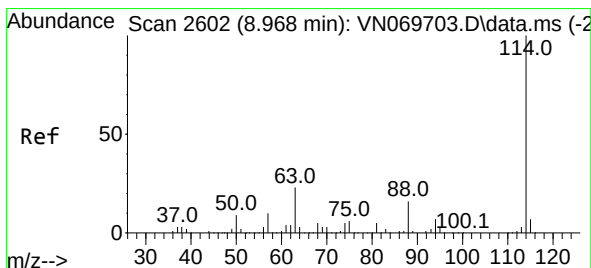
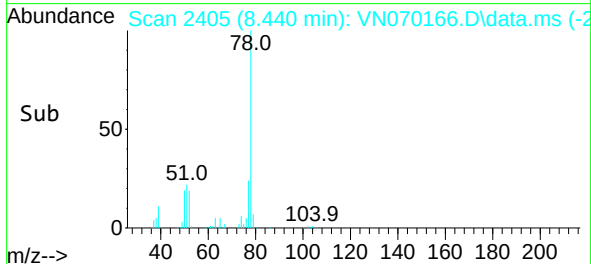
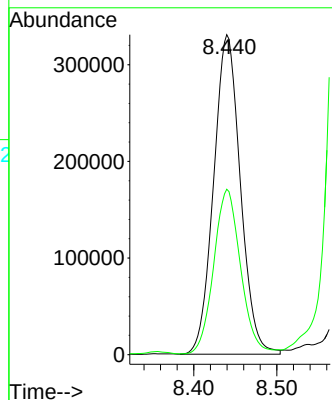
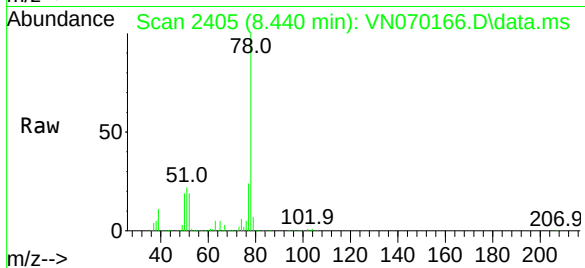
67 51.6 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 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: VN070166.D

Acq: 17 Dec 2021 16:10

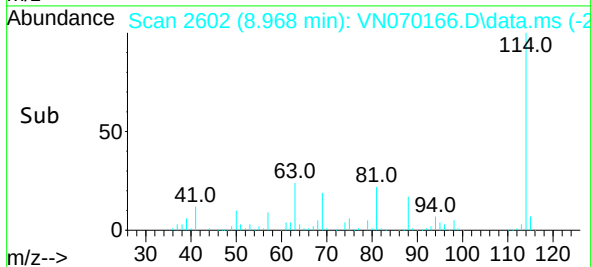
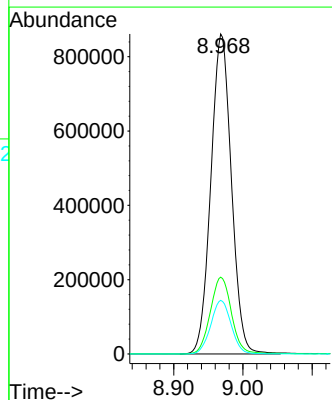
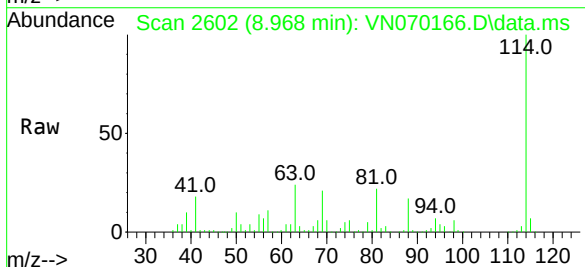
Tgt Ion:114 Resp: 1774320

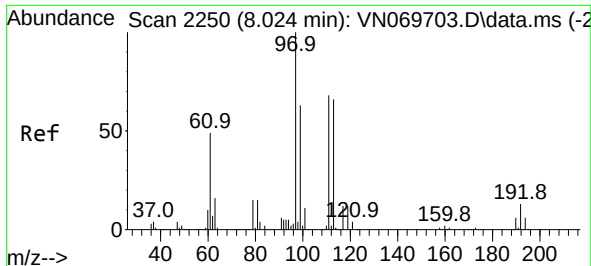
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

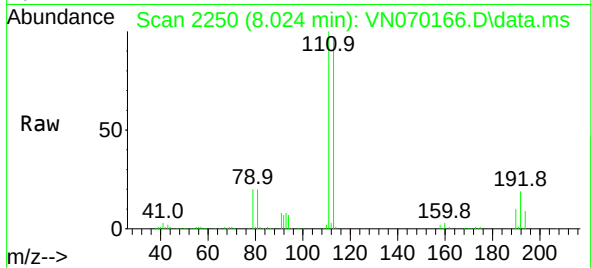
88 16.7 0.0 27.4





#35
Dibromofluoromethane
Concen: 44.409 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

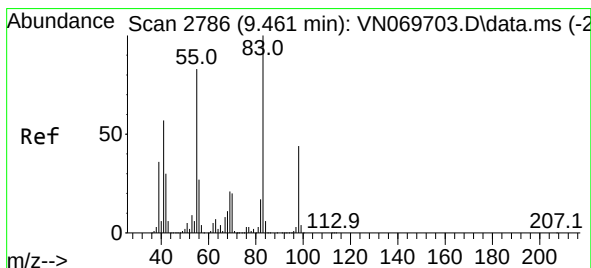
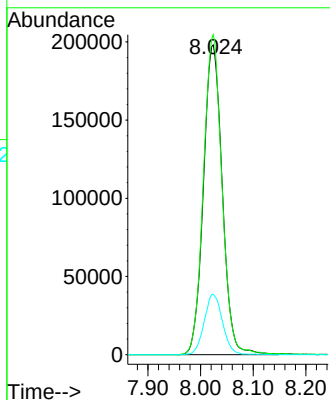
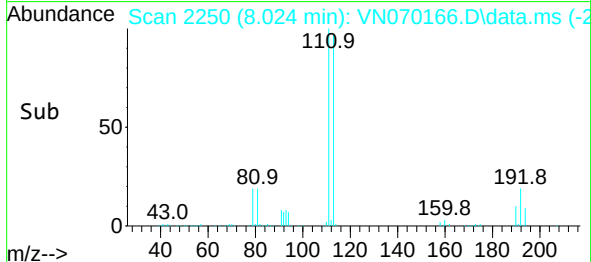
Instrument :
MSVOA_N
ClientSampleId :
MW-14



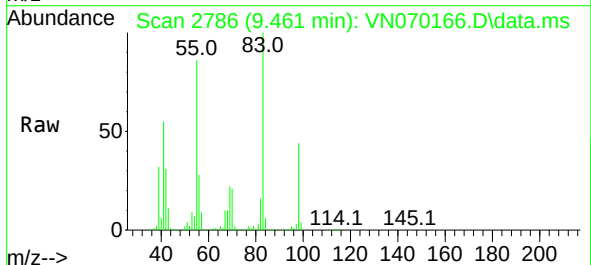
Tgt Ion: 113 Resp: 49356
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 18.9 16.9 25.3

Manual Integrations
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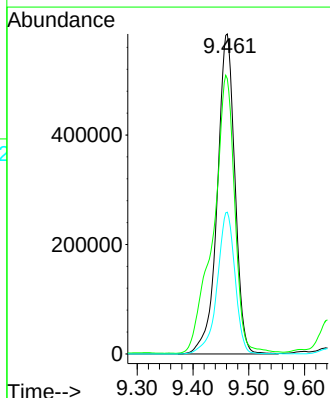
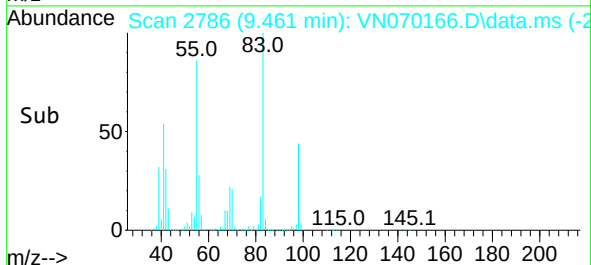
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

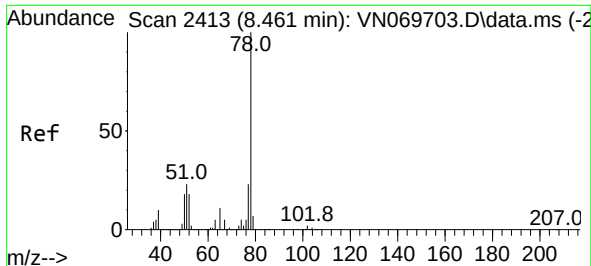


#39
Methylcyclohexane
Concen: 63.795 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10



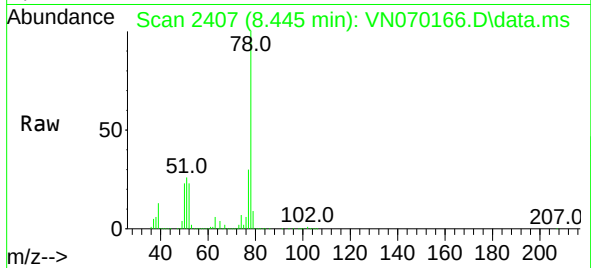
Tgt Ion: 83 Resp: 1281742
Ion Ratio Lower Upper
83 100
55 85.8 58.1 87.1
98 44.3 38.4 57.6





#40
Benzene
Concen: 554.700 ug/l m
RT: 8.445 min Scan# 2413
Delta R.T. -0.016 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

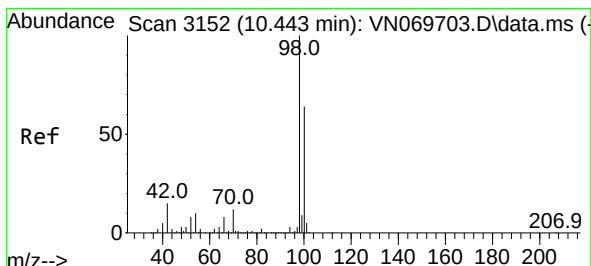
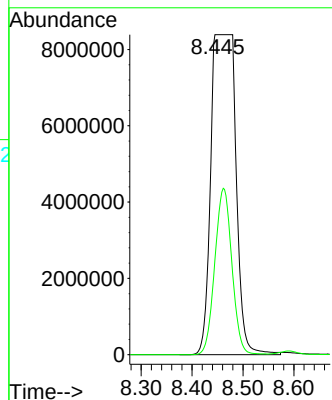
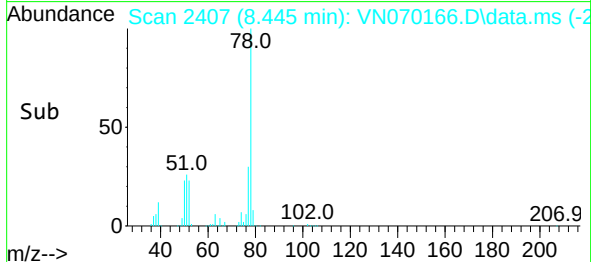
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 78 Resp: 2863874
Ion Ratio Lower Upper
78 100
77 29.7 18.6 27.8

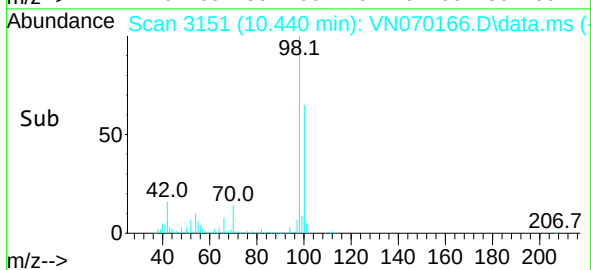
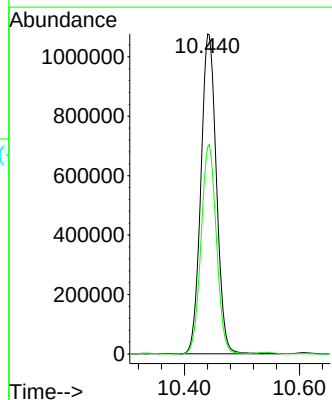
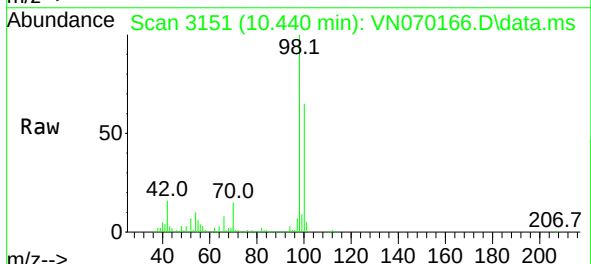
Manual Integrations
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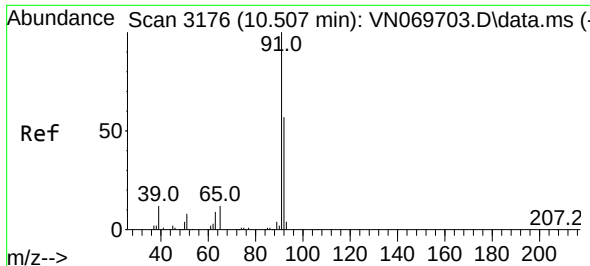
Reviewed By : John Carlone 12/18/2021
Supervised By : Mahesh Dadoda 12/23/2021



#50
Toluene-d8
Concen: 45.073 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

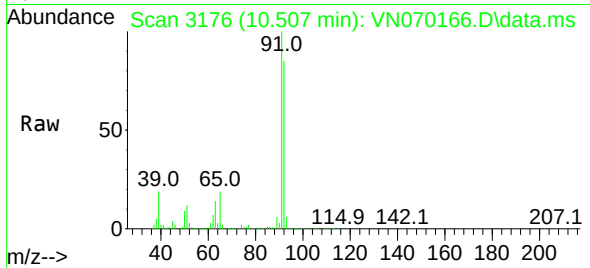
Tgt Ion: 98 Resp: 2011437
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6





#52
Toluene
Concen: 427.124 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

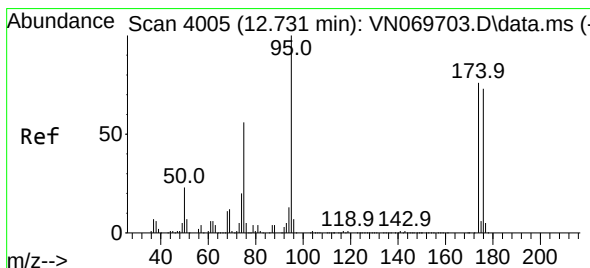
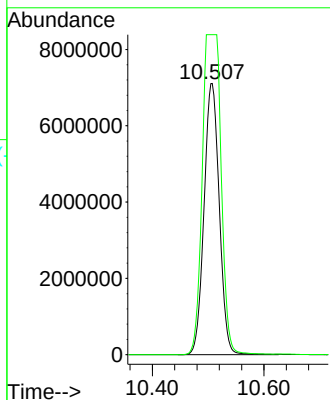
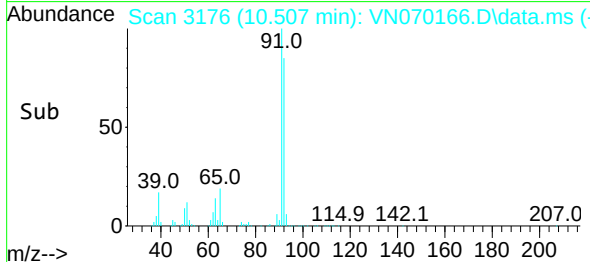
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 92 Resp:1346316
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0

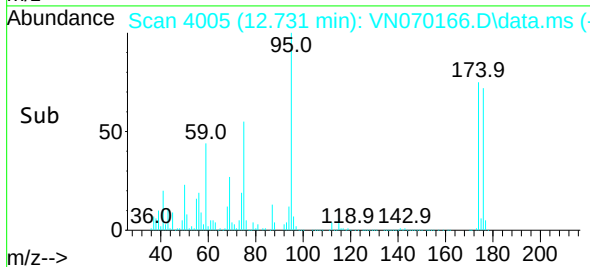
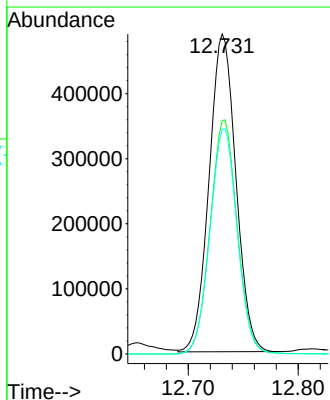
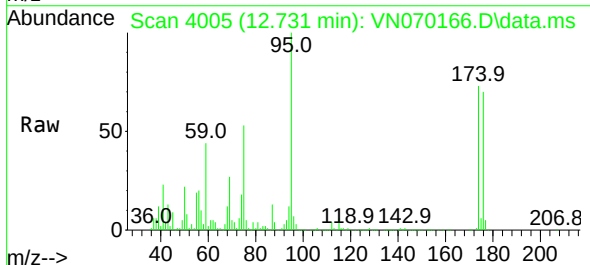
Manual Integrations
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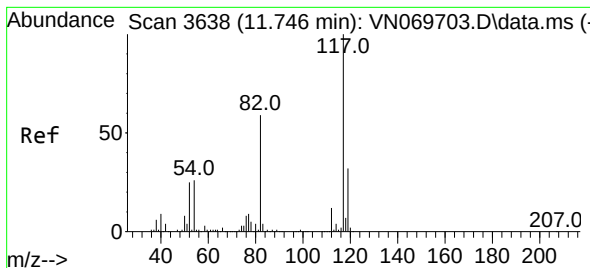
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#62
4-Bromofluorobenzene
Concen: 51.257 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

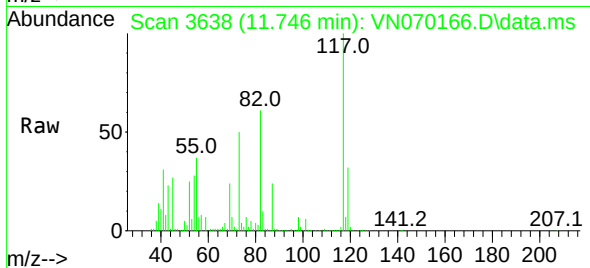
Tgt Ion: 95 Resp: 828670
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.8 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

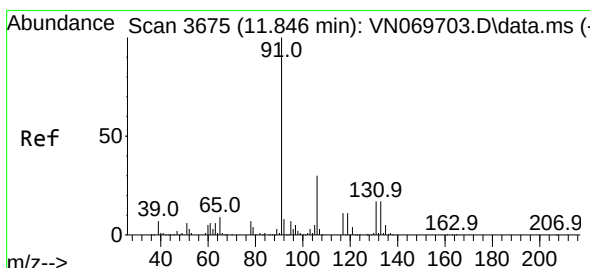
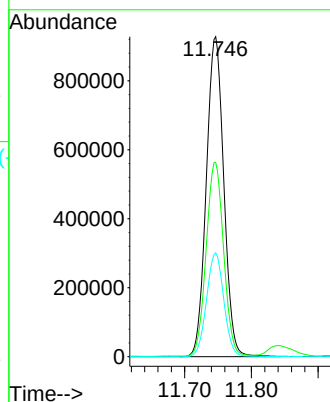
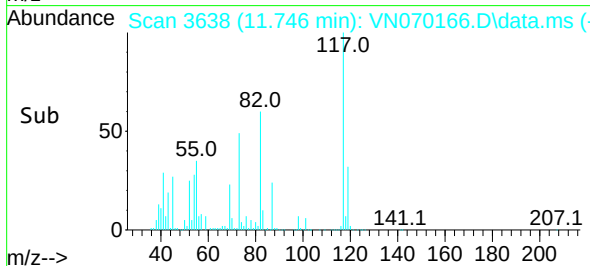
Instrument :
MSVOA_N
ClientSampleId :
MW-14



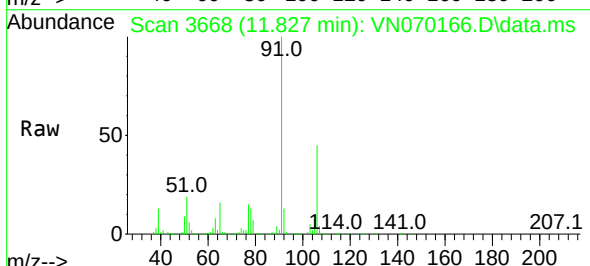
Tgt Ion: 117 Resp: 168720
Ion Ratio Lower Upper
117 100
82 60.5 42.4 63.6
119 32.4 25.4 38.2

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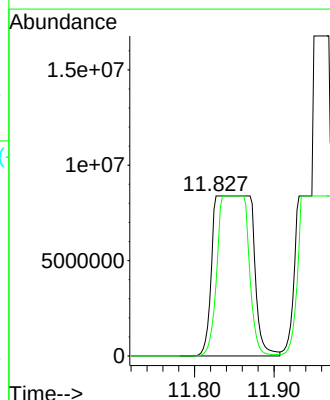
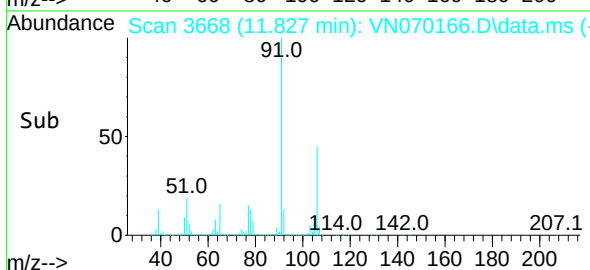
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

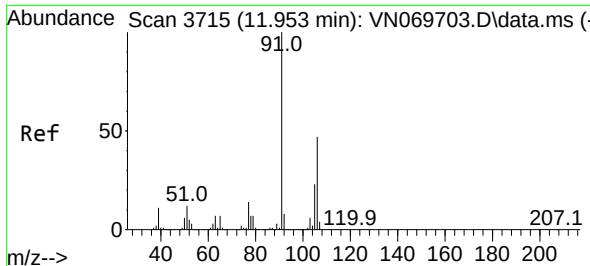


#67
Ethyl Benzene
Concen: 474.016 ug/l m
RT: 11.827 min Scan# 3668
Delta R.T. -0.019 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10



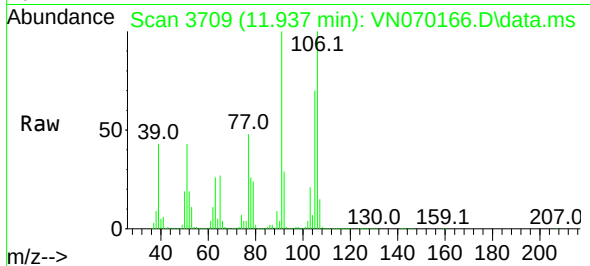
Tgt Ion: 91 Resp: 29471995
Ion Ratio Lower Upper
91 100
106 45.1 25.7 38.5#





#68
m/p-Xylenes
Concen: 1441.857 ug/l m
RT: 11.937 min Scan# 3715
Delta R.T. -0.016 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

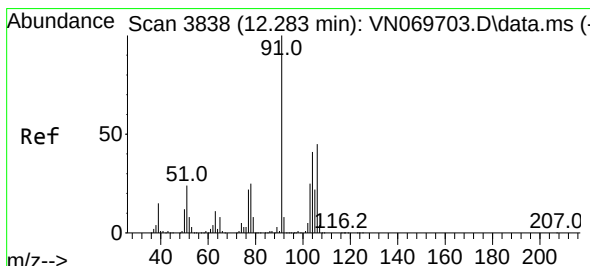
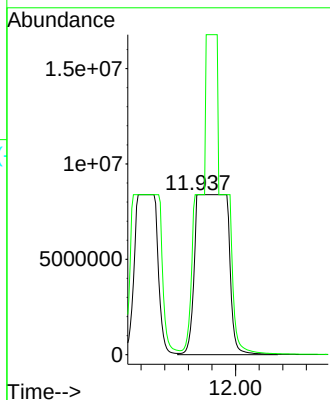
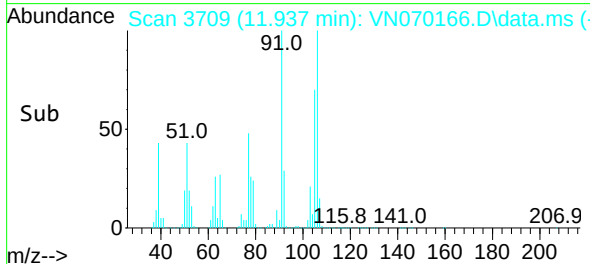
Instrument :
MSVOA_N
ClientSampleId :
MW-14



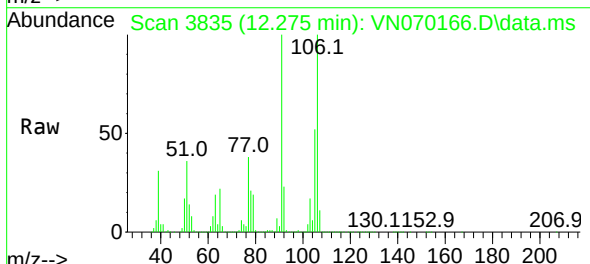
Tgt Ion:106 Resp:32641380
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8

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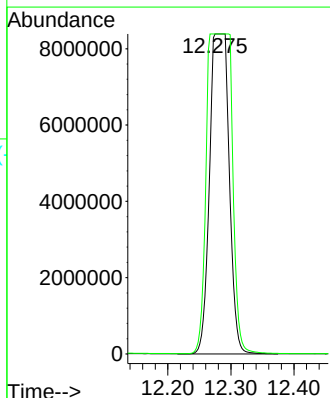
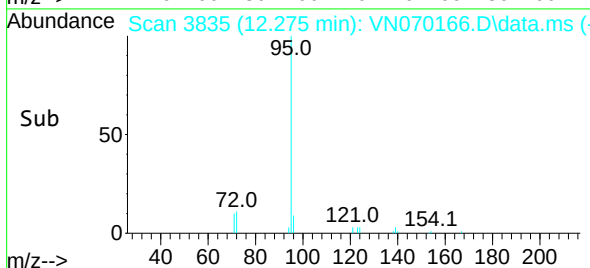
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

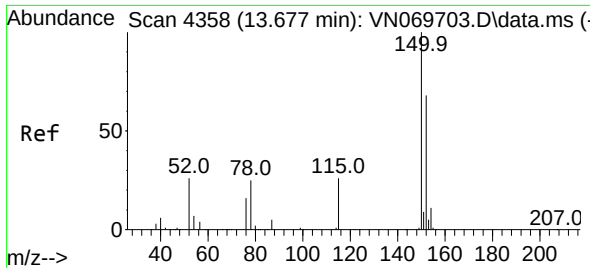


#69
o-Xylene
Concen: 792.771 ug/l m
RT: 12.275 min Scan# 3835
Delta R.T. -0.008 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10



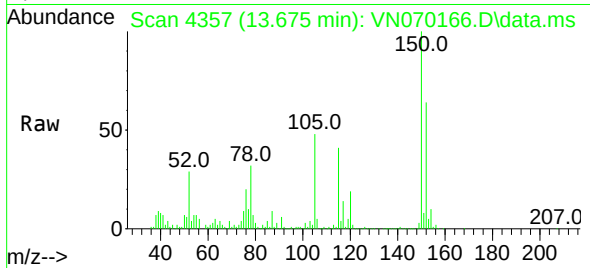
Tgt Ion:106 Resp:18077611
Ion Ratio Lower Upper
106 100
91 0.0 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

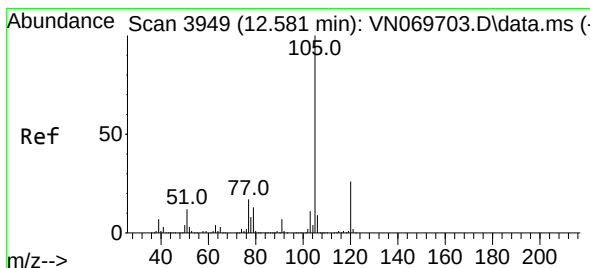
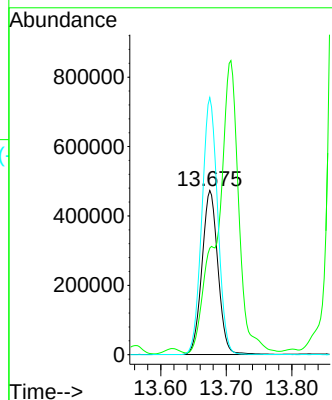
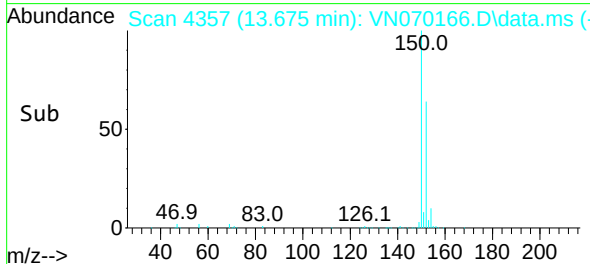
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:152 Resp: 800928
Ion Ratio Lower Upper
152 100
115 0.0 27.5 82.5
150 154.9 0.0 344.4

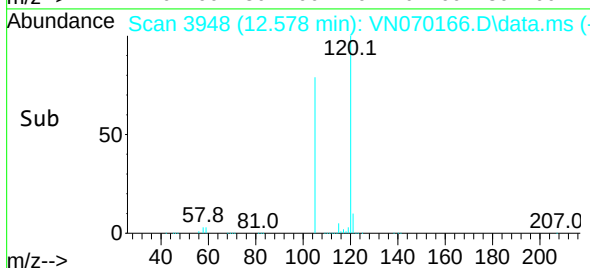
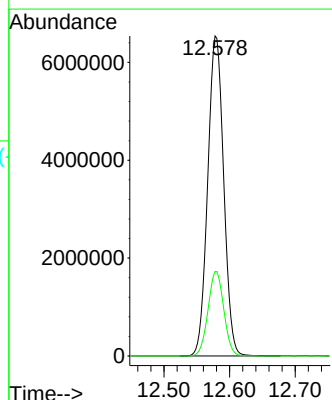
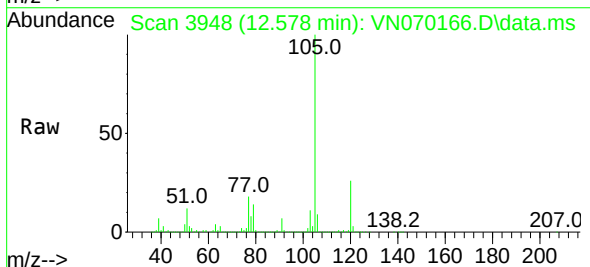
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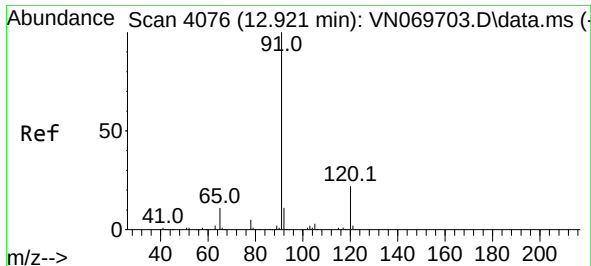
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#73
Isopropylbenzene
Concen: 154.822 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

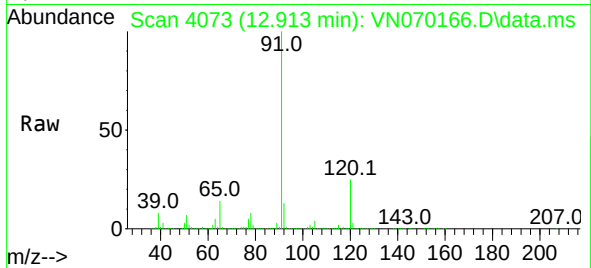
Tgt Ion:105 Resp:11032641
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1





#78
n-propylbenzene
Concen: 219.211 ug/l m
RT: 12.913 min Scan# 4076
Delta R.T. -0.008 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

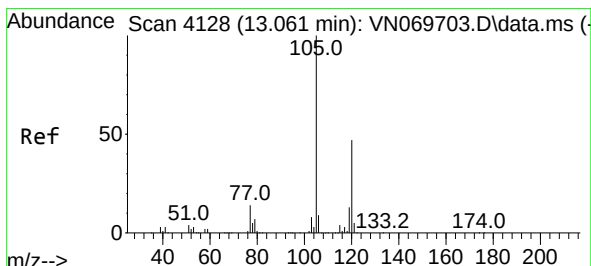
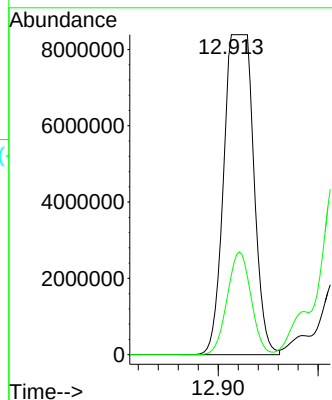
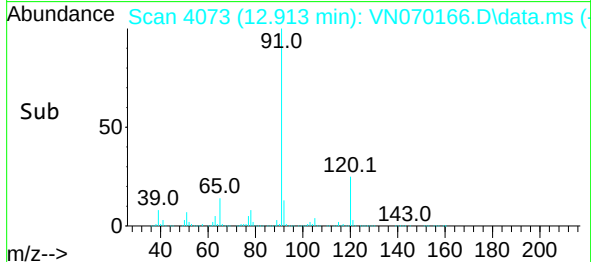
Instrument :
MSVOA_N
ClientSampleId :
MW-14



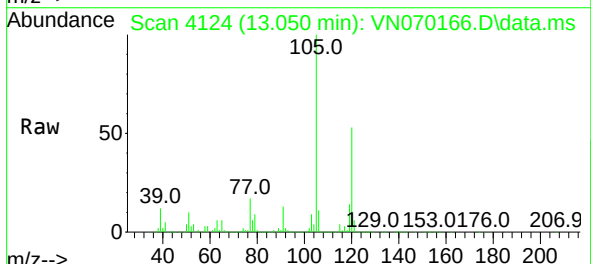
Tgt Ion: 91 Resp:17382770
Ion Ratio Lower Upper
91 100
120 8.6 11.9 35.9

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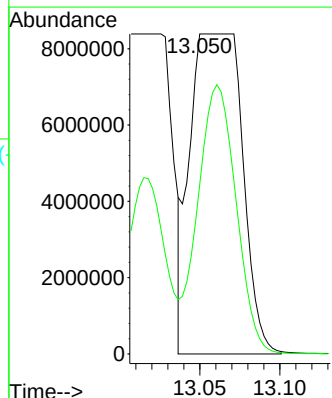
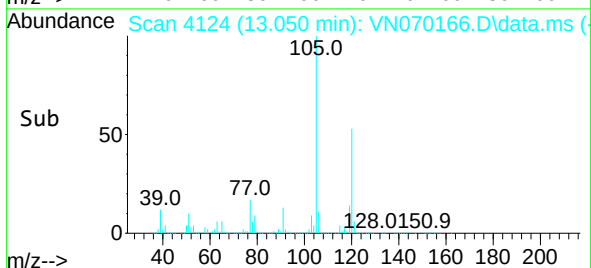
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

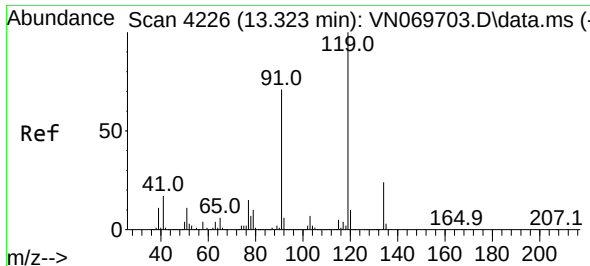


#80
1,3,5-Trimethylbenzene
Concen: 332.549 ug/l m
RT: 13.050 min Scan# 4124
Delta R.T. -0.011 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10



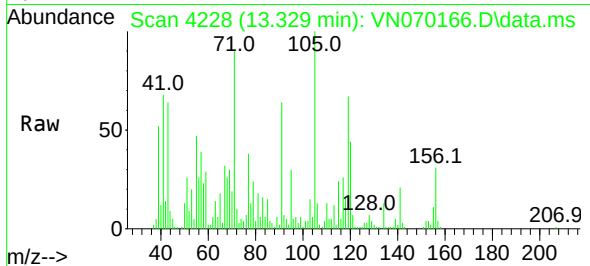
Tgt Ion:105 Resp:19073674
Ion Ratio Lower Upper
105 100
120 61.8 24.6 73.6





#83
tert-Butylbenzene
Concen: 0.541 ug/l m
RT: 13.329 min Scan# 4228
Delta R.T. 0.005 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10

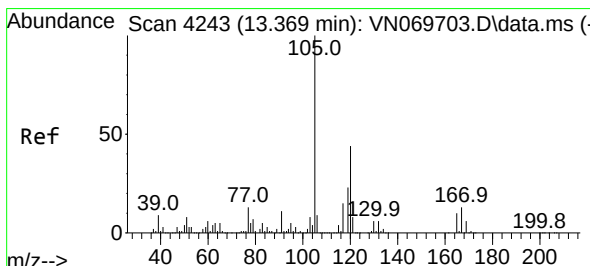
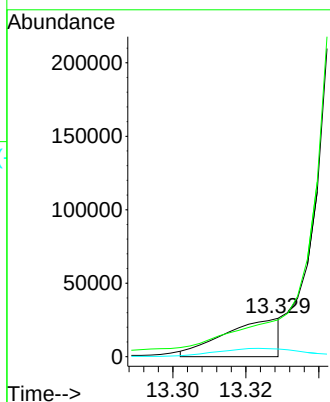
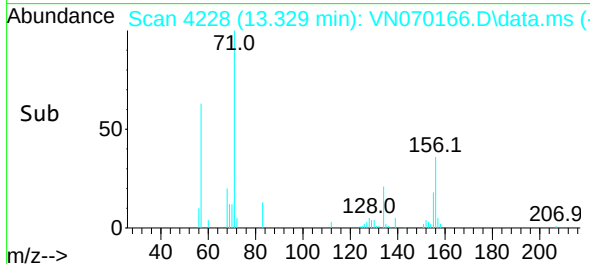
Instrument :
MSVOA_N
ClientSampleId :
MW-14



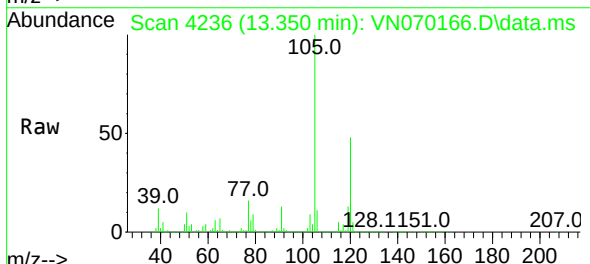
Tgt Ion:119 Resp: 27472
Ion Ratio Lower Upper
119 100
91 42870.8 31.5 94
134 0.0 12.4 37.4

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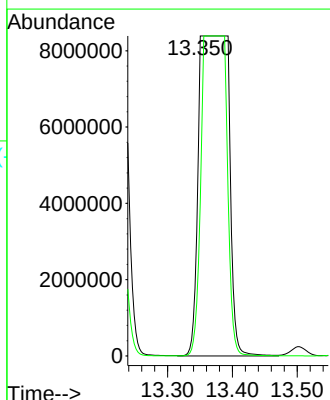
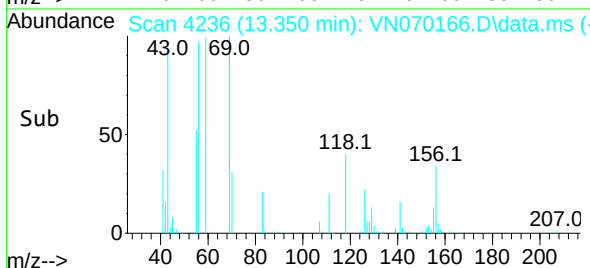
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

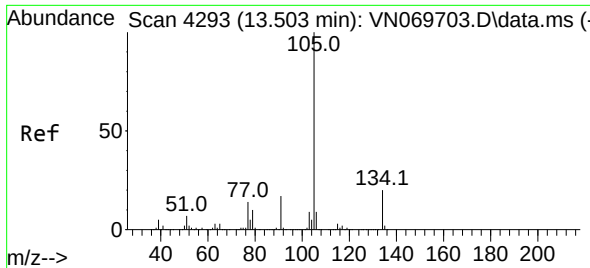


#84
1,2,4-Trimethylbenzene
Concen: 495.745 ug/l m
RT: 13.350 min Scan# 4236
Delta R.T. -0.019 min
Lab File: VN070166.D
Acq: 17 Dec 2021 16:10



Tgt Ion:105 Resp:27079326
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4





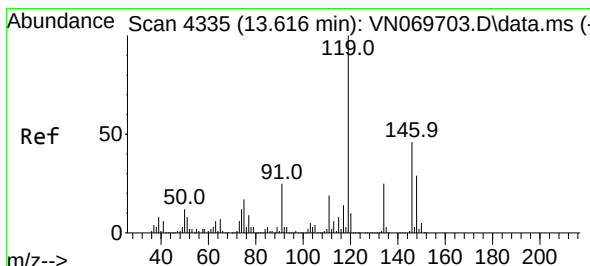
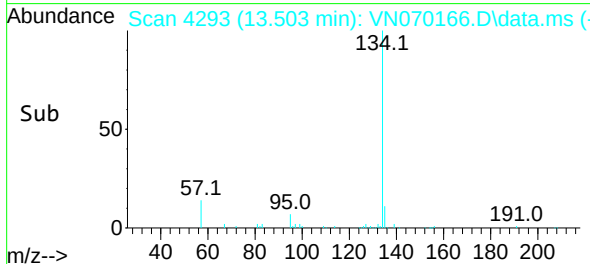
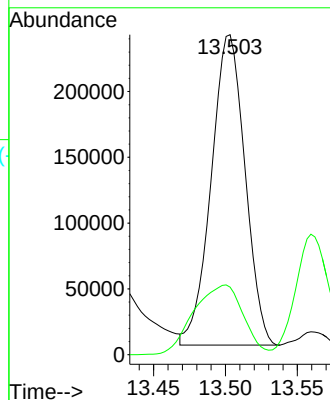
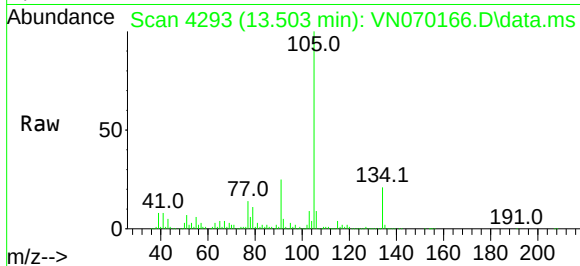
#85
 sec-Butylbenzene
 Concen: 5.598 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN070166.D
 Acq: 17 Dec 2021 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Tgt Ion:105 Resp: 385623
 Ion Ratio Lower Upper
 105 100
 134 32.8 10.4 31.1#

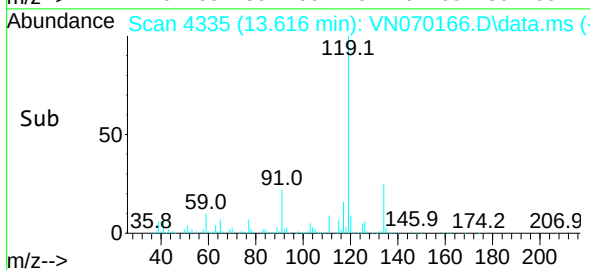
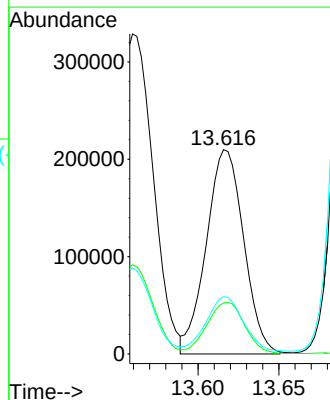
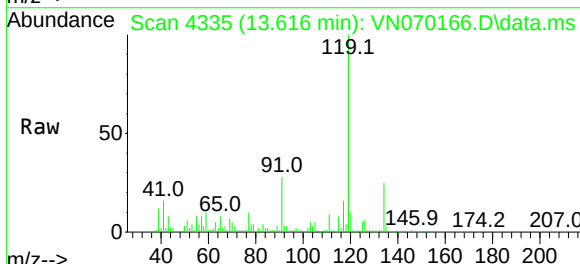
Manual Integrations
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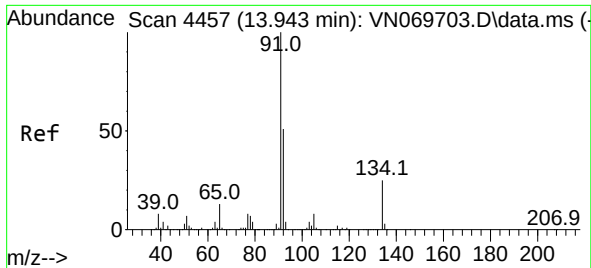
Reviewed By :John Carlone 12/18/2021
 Supervised By :Mahesh Dadoda 12/23/2021



#86
 p-Isopropyltoluene
 Concen: 6.266 ug/l m
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070166.D
 Acq: 17 Dec 2021 16:10

Tgt Ion:119 Resp: 337410
 Ion Ratio Lower Upper
 119 100
 134 43.4 13.6 40.7#
 91 0.0 11.4 34.1#





#89

n-Butylbenzene

Concen: 7.143 ug/l m

RT: 13.940 min Scan# 44

Delta R.T. -0.003 min

Lab File: VN070166.D

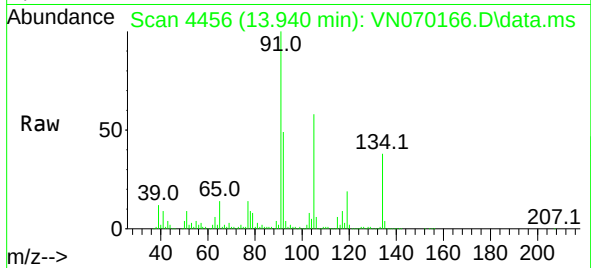
Acq: 17 Dec 2021 16:10

Instrument :

MSVOA_N

ClientSampleId :

MW-14



Tgt Ion: 91	Resp: 312028
Ion Ratio	Lower Upper
91	100
92	184.7 25.4 76.0
134	0.0 13.6 40.8

Manual Integrations

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Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021

