

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070876.D
 Acq On : 1 Feb 2022 17:20
 Operator : JC/MD
 Sample : N1342-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31525

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/02/2022
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 02 00:36:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1249395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1969078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1683334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	800559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	759748	42.430	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.860%		
35) Dibromofluoromethane	8.021	113	572475	46.870	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.740%		
50) Toluene-d8	10.440	98	2411842	46.872	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.740%		
62) 4-Bromofluorobenzene	12.728	95	897657	48.956	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.920%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.824	74	1953799	195.066	ug/l	83
11) Tert butyl alcohol	5.371	59	5447620	1686.340	ug/l	100
16) Acetone	4.283	43	5718785	460.156	ug/l	97
18) Methyl Acetate	4.854	43	1573146	64.365	ug/l	93
19) Methyl tert-butyl Ether	5.615	73	2483601	50.299	ug/l #	74
20) Methylene Chloride	5.098	84	29703	1.814	ug/l #	89
25) 2-Butanone	7.332	43	5701884	364.604	ug/l	93
29) Tetrahydrofuran	7.683	42	261084	27.266	ug/l #	84
31) Cyclohexane	8.094	56	893153	28.327	ug/l	89
39) Methylcyclohexane	9.459	83	867614	34.178	ug/l	90
40) Benzene	8.440	78	33093774m	519.414	ug/l	
51) 4-Methyl-2-Pentanone	10.330	43	802804	30.173	ug/l	100
52) Toluene	10.489	92	26237262m	688.429	ug/l	
67) Ethyl Benzene	11.843	91	6054249	89.535	ug/l	96
68) m/p-Xylenes	11.948	106	12722145	517.186	ug/l #	1
69) o-Xylene	12.278	106	4595140	188.236	ug/l	92
73) Isopropylbenzene	12.575	105	811909	10.720	ug/l	98
78) n-propylbenzene	12.918	91	612607	7.233	ug/l	98
80) 1,3,5-Trimethylbenzene	13.058	105	3902077	63.711	ug/l	97
84) 1,2,4-Trimethylbenzene	13.366	105	6962336	118.262	ug/l	97
85) sec-Butylbenzene	13.500	105	197204m	2.721	ug/l	
86) p-Isopropyltoluene	13.616	119	349035m	6.130	ug/l	
95) Naphthalene	15.501	128	1064124	28.045	ug/l #	94

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

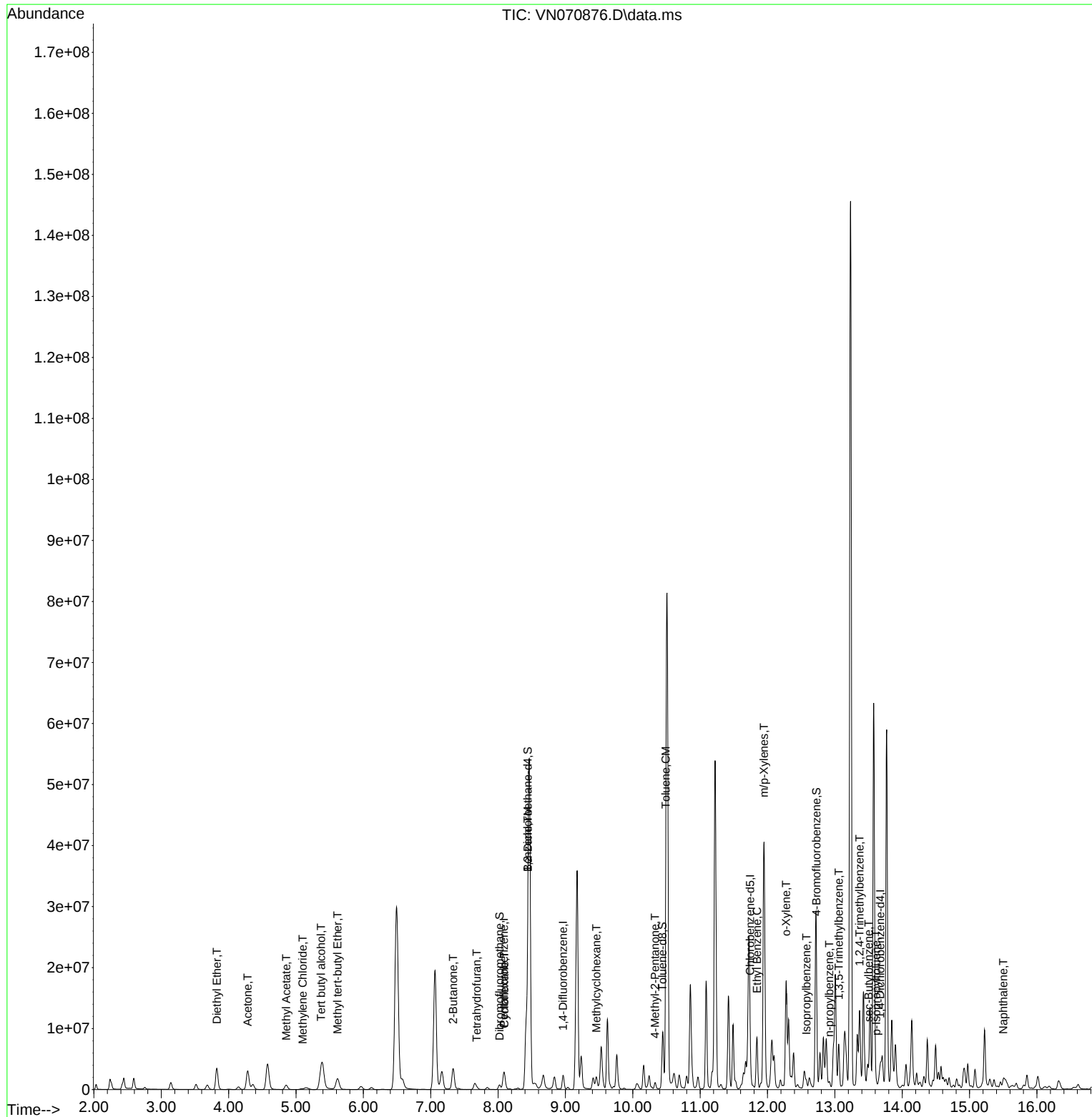
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
Data File : VN070876.D
Acq On : 1 Feb 2022 17:20
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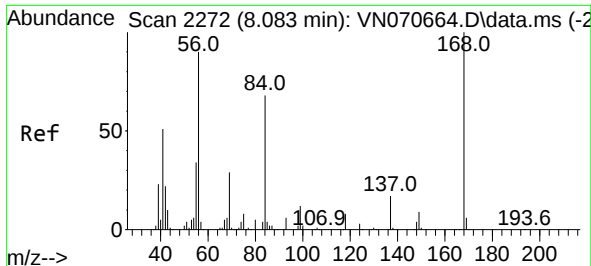
Instrument :
MSVOA_N
ClientSampleId :
31525

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Supervised By : Mahesh Dadoda 02/07/2022

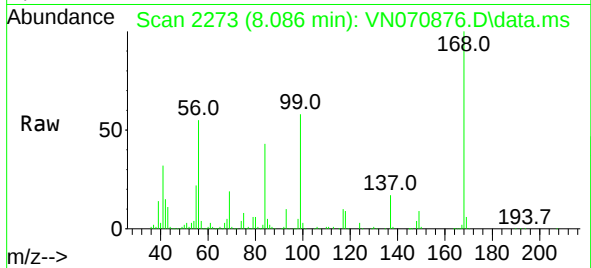
Quant Time: Feb 02 00:36:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

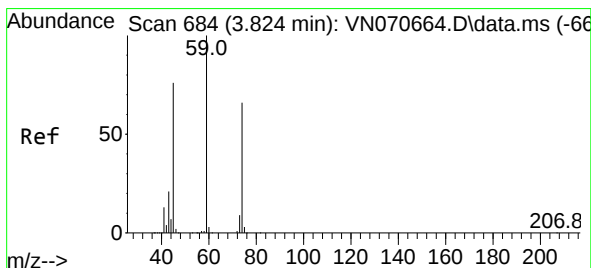
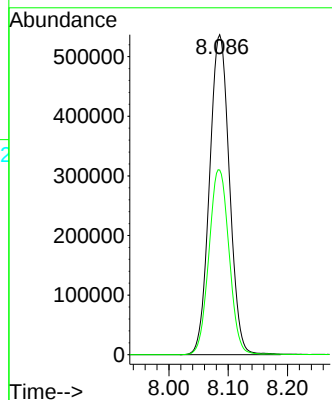
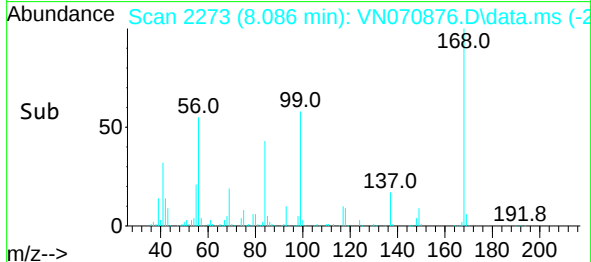
Instrument :
MSVOA_N
ClientSampleId :
31525



Tgt Ion:168 Resp: 124939
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9

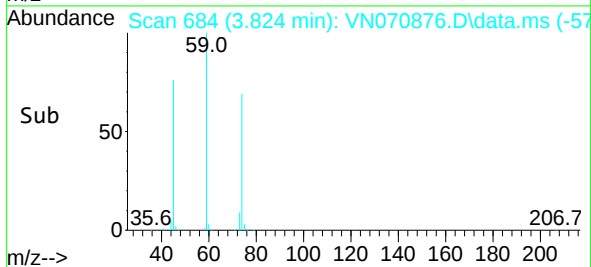
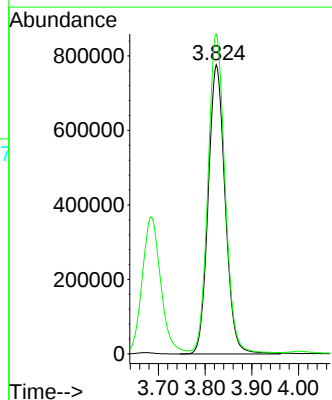
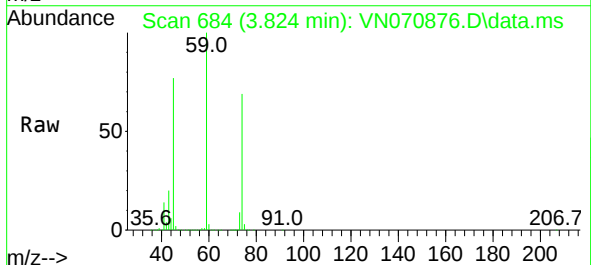
Manual Integrations
APPROVED

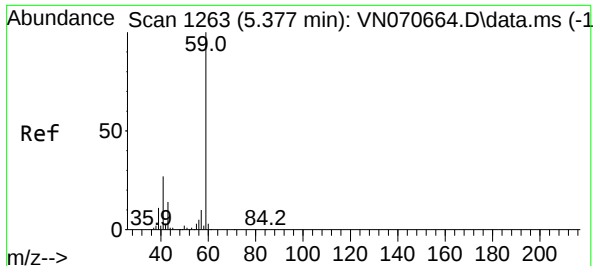
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#8
Diethyl Ether
Concen: 195.066 ug/l
RT: 3.824 min Scan# 684
Delta R.T. -0.000 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

Tgt Ion: 74 Resp: 1953799
Ion Ratio Lower Upper
74 100
45 110.4 47.0 141.2





#11

Tert butyl alcohol

Concen: 1686.340 ug/l

RT: 5.371 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN070876.D

Acq: 1 Feb 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

31525

Tgt Ion: 59 Resp: 5447620

Ion Ratio Lower Upper

59 100

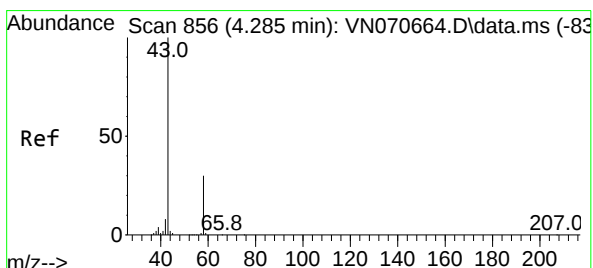
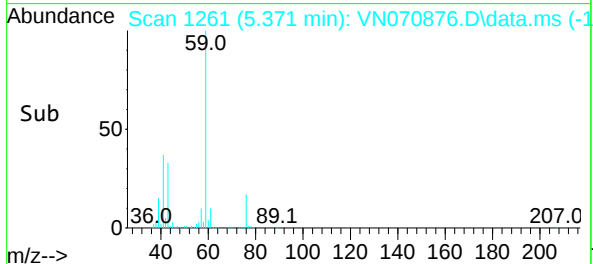
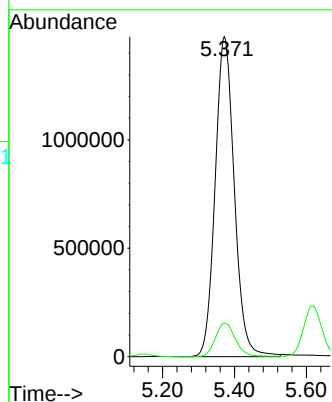
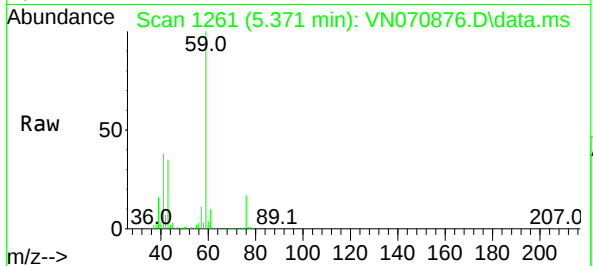
57 11.0 8.7 13.1

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#16

Acetone

Concen: 460.156 ug/l

RT: 4.283 min Scan# 855

Delta R.T. -0.002 min

Lab File: VN070876.D

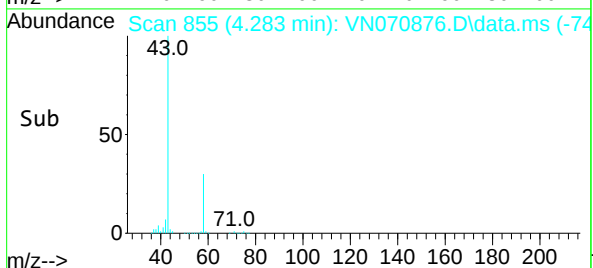
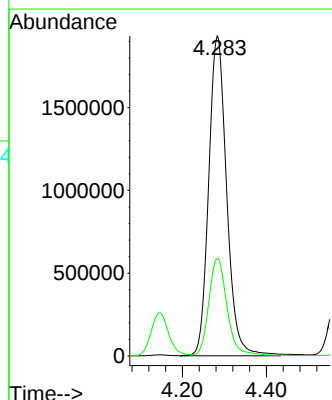
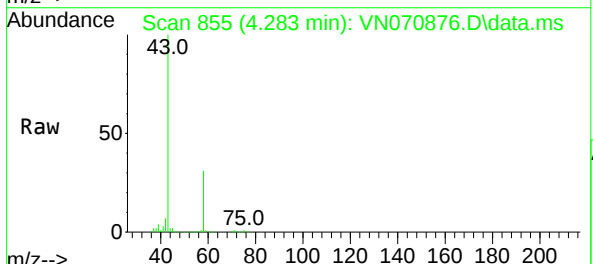
Acq: 1 Feb 2022 17:20

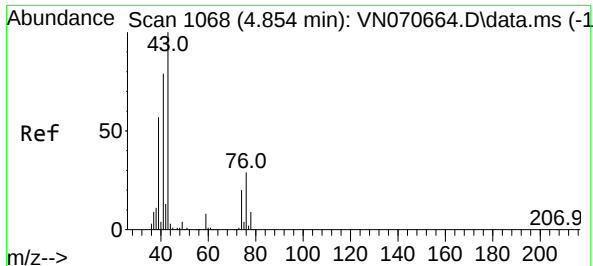
Tgt Ion: 43 Resp: 5718785

Ion Ratio Lower Upper

43 100

58 30.3 23.1 34.7





#18

Methyl Acetate

Concen: 64.365 ug/l

RT: 4.854 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VN070876.D

Acq: 1 Feb 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

31525

Tgt Ion: 43 Resp: 157314

Ion Ratio Lower Upper

43 100

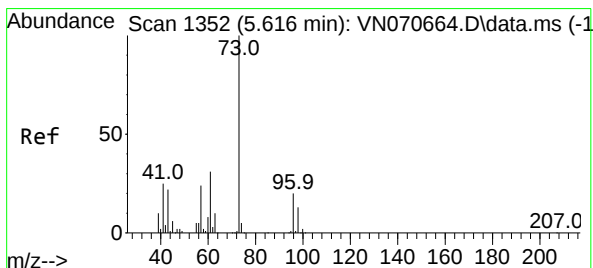
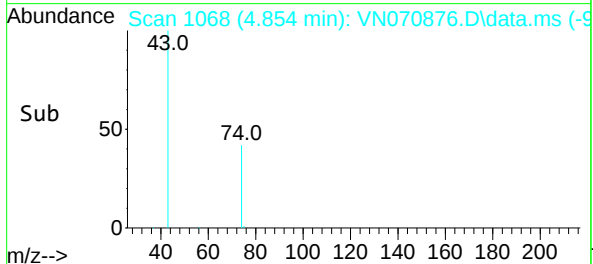
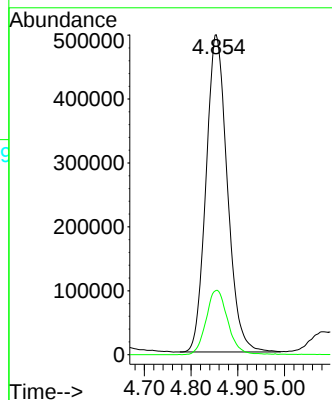
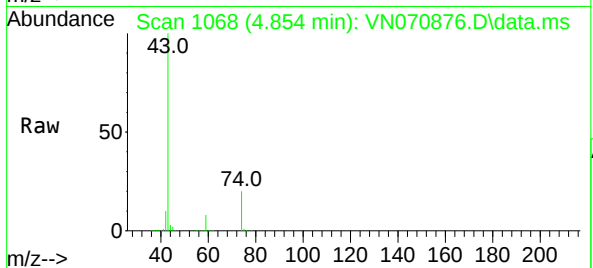
74 20.6 19.4 29.2

Manual Integrations

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Reviewed By :John Carlone 02/02/2022

Supervised By :Mahesh Dadoda 02/07/2022



#19

Methyl tert-butyl Ether

Concen: 50.299 ug/l

RT: 5.615 min Scan# 1352

Delta R.T. -0.001 min

Lab File: VN070876.D

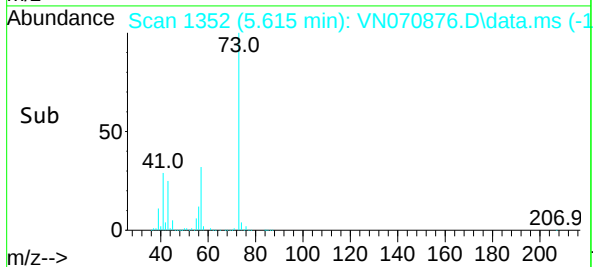
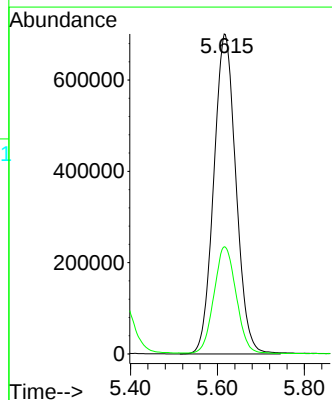
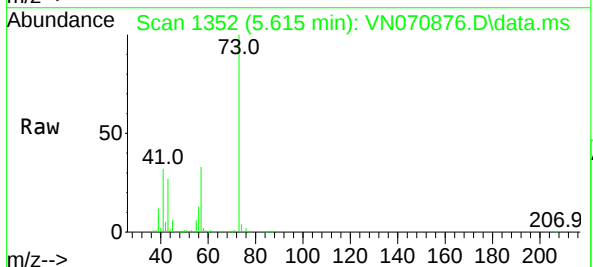
Acq: 1 Feb 2022 17:20

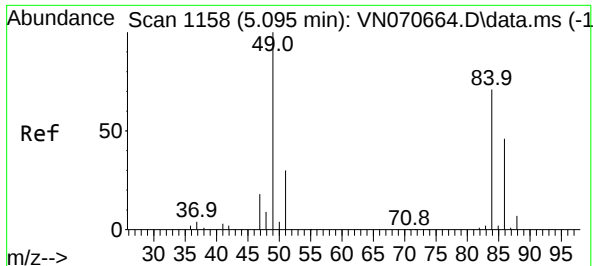
Tgt Ion: 73 Resp: 2483601

Ion Ratio Lower Upper

73 100

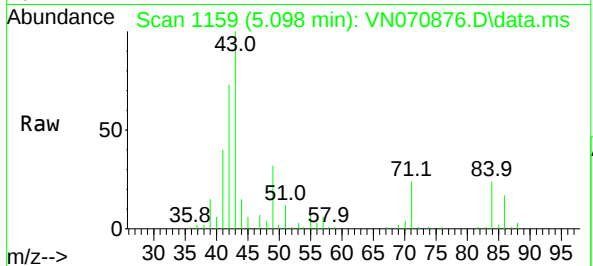
57 33.3 16.8 25.2#





#20
Methylene Chloride
Concen: 1.814 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

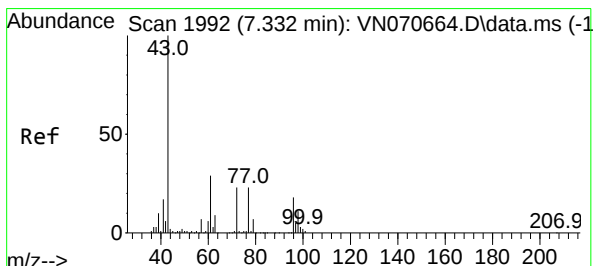
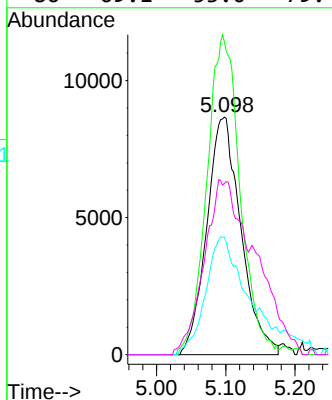
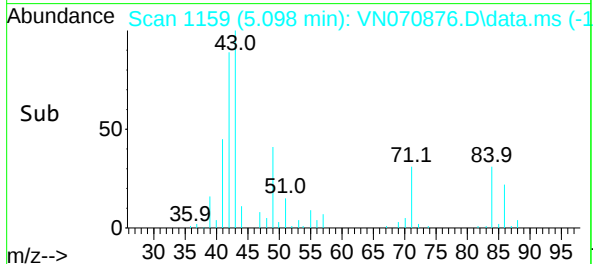
Instrument :
MSVOA_N
ClientSampleId :
31525



Tgt Ion: 84 Resp: 2970
Ion Ratio Lower Upper
84 100
49 129.9 93.5 140.3
51 49.5 29.4 44.2
86 69.1 53.0 79.4

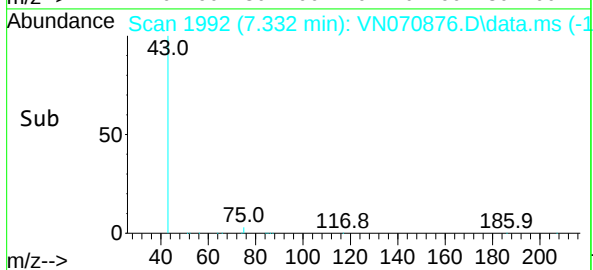
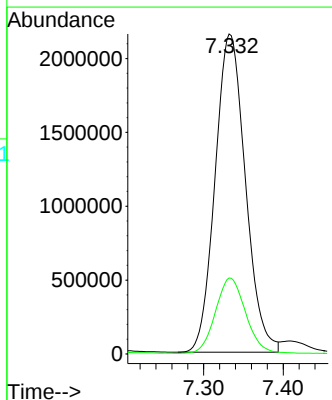
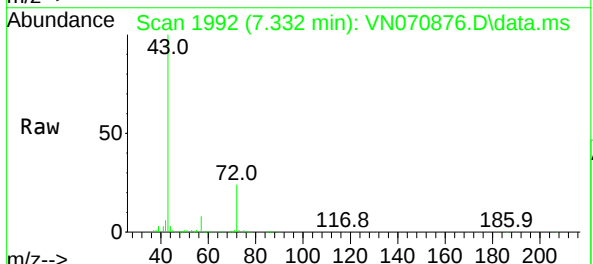
Manual Integrations
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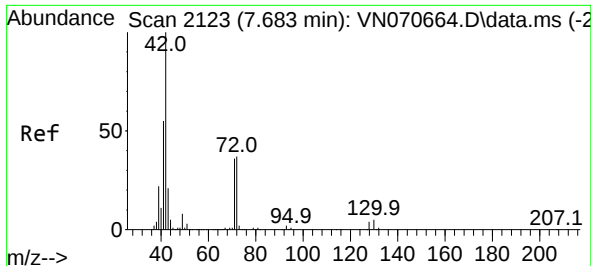
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#25
2-Butanone
Concen: 364.604 ug/l
RT: 7.332 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

Tgt Ion: 43 Resp: 5701884
Ion Ratio Lower Upper
43 100
72 23.7 21.7 32.5





#29

Tetrahydrofuran

Concen: 27.266 ug/l

RT: 7.683 min Scan# 2123

Delta R.T. 0.000 min

Lab File: VN070876.D

Acq: 1 Feb 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

31525

Tgt Ion: 42 Resp: 261084

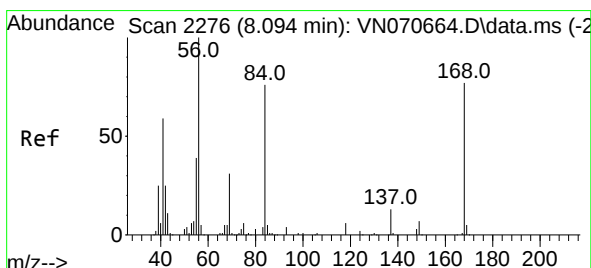
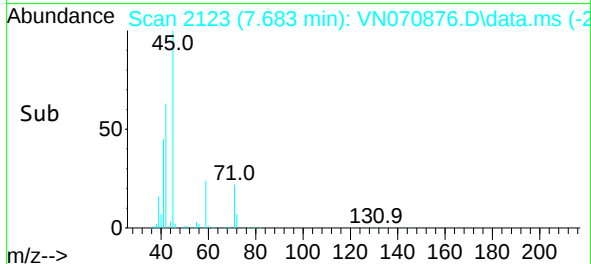
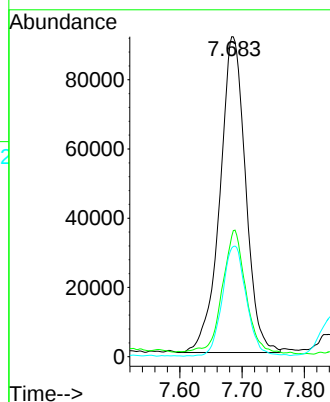
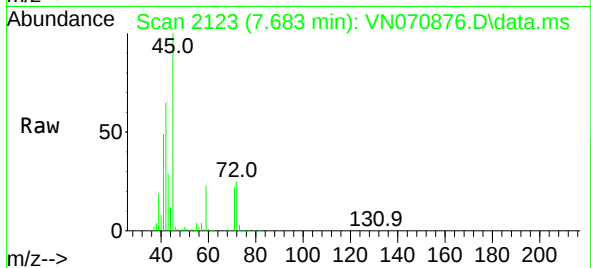
Ion	Ratio	Lower	Upper
42	100		
72	35.1	36.3	54.5
71	32.3	34.7	52.1

Manual Integrations

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Supervised By :Mahesh Dadoda 02/07/2022



#31

Cyclohexane

Concen: 28.327 ug/l

RT: 8.094 min Scan# 2276

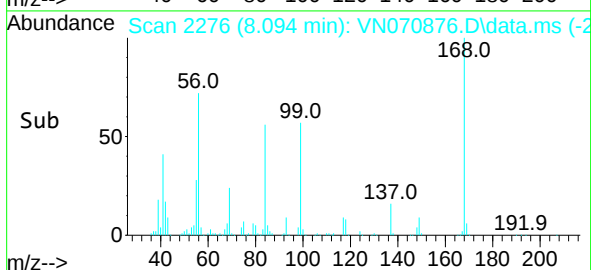
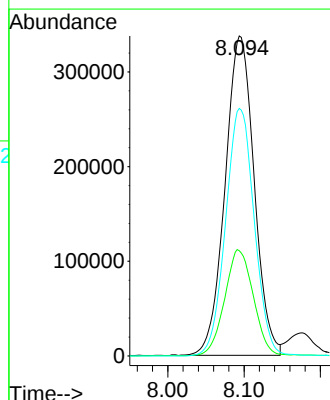
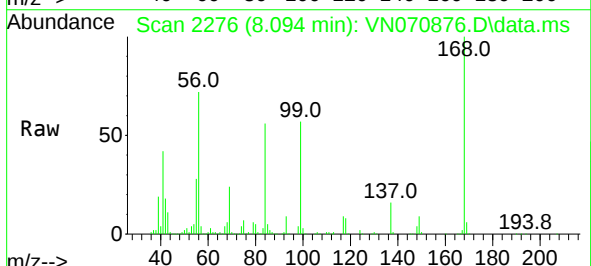
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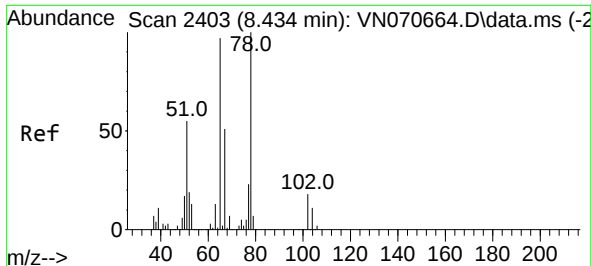
Lab File: VN070876.D

Acq: 1 Feb 2022 17:20

Tgt Ion: 56 Resp: 893153

Ion	Ratio	Lower	Upper
56	100		
69	32.9	27.1	40.7
84	77.5	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 42.430 ug/l

RT: 8.440 min Scan# 2403

Delta R.T. 0.006 min

Lab File: VN070876.D

Acq: 1 Feb 2022 17:20

Instrument :

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ClientSampleId :

31525

Tgt Ion: 65 Resp: 75974

Ion Ratio Lower Upper

65 100

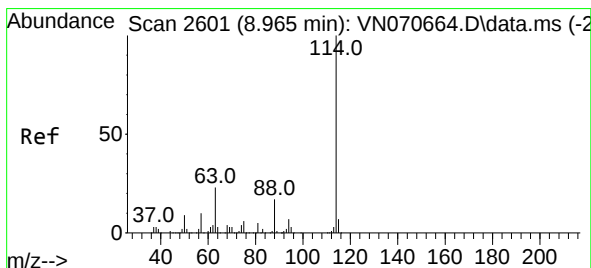
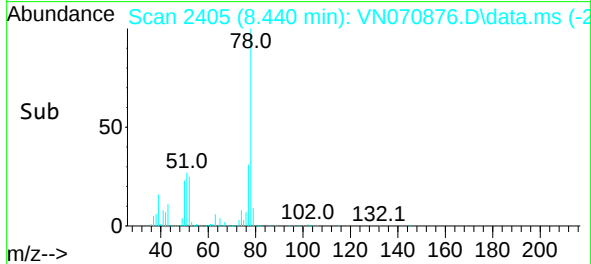
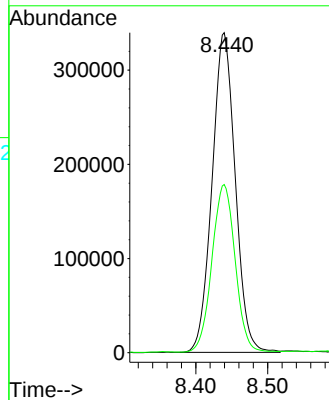
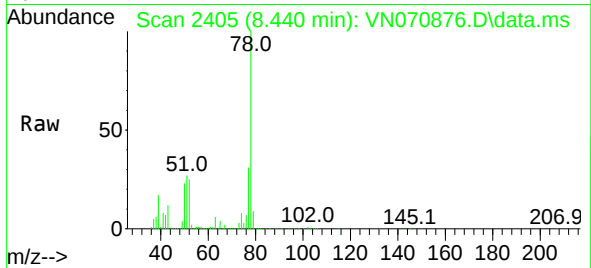
67 52.4 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 02/07/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VN070876.D

Acq: 1 Feb 2022 17:20

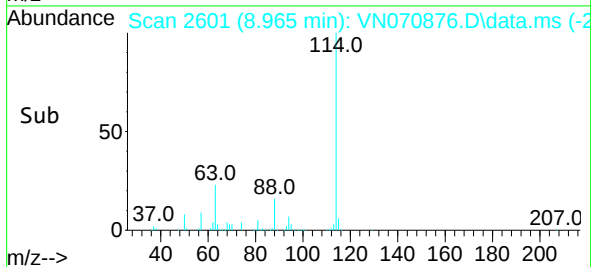
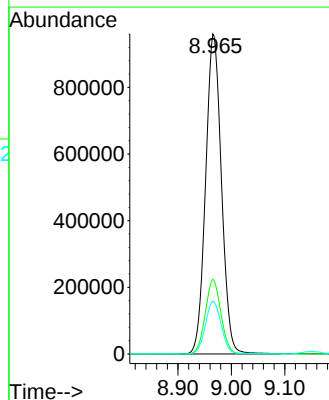
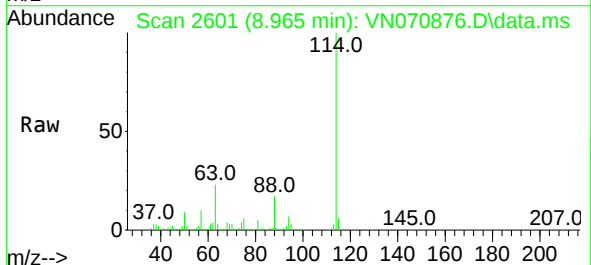
Tgt Ion:114 Resp: 1969078

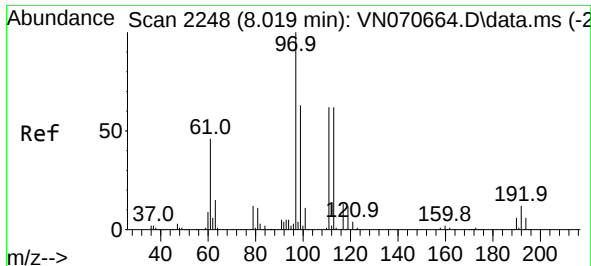
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

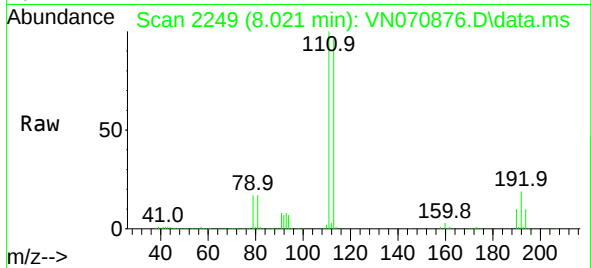
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 46.870 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. 0.002 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

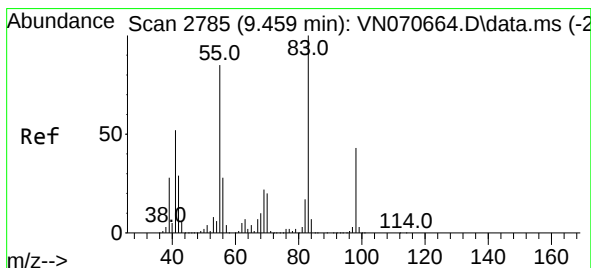
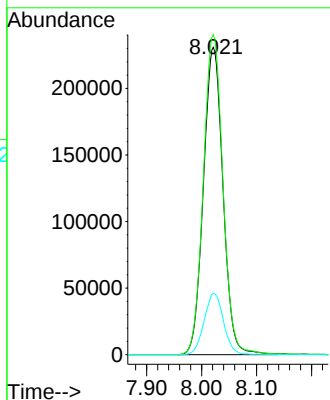
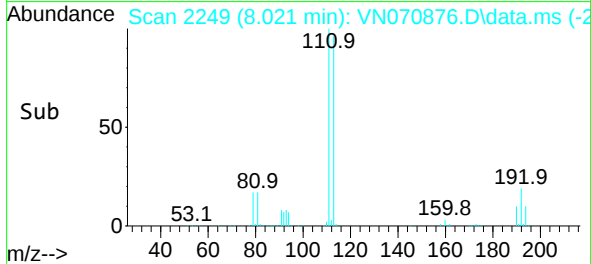
Instrument :
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Tgt Ion:113 Resp: 572475
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 19.7 16.9 25.3

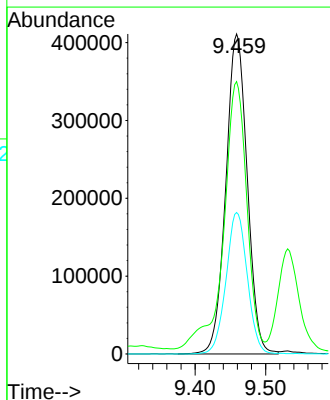
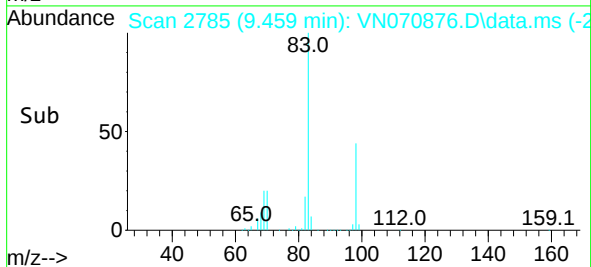
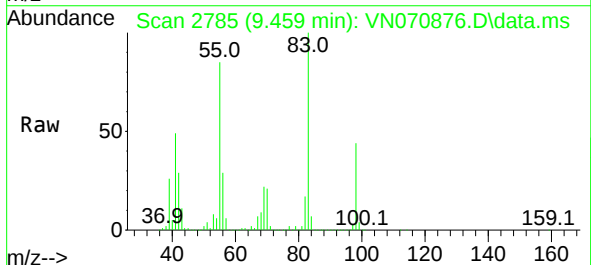
Manual Integrations
APPROVED

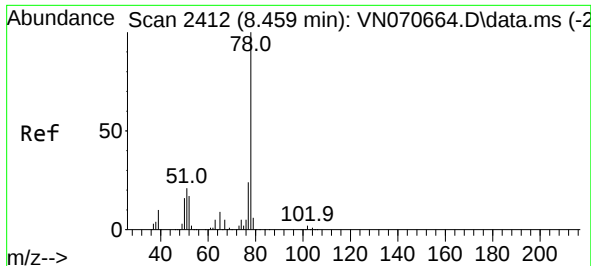
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#39
Methylcyclohexane
Concen: 34.178 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

Tgt Ion: 83 Resp: 867614
Ion Ratio Lower Upper
83 100
55 83.3 58.1 87.1
98 44.2 38.4 57.6





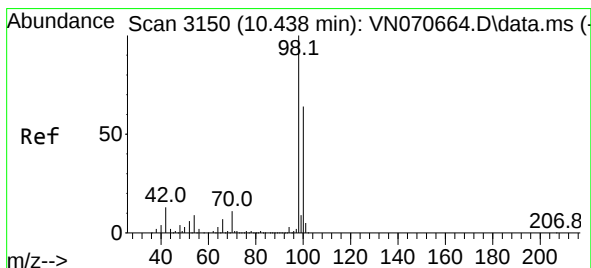
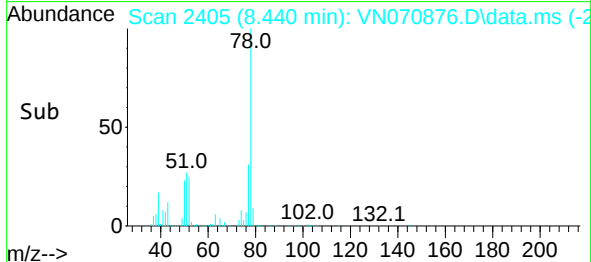
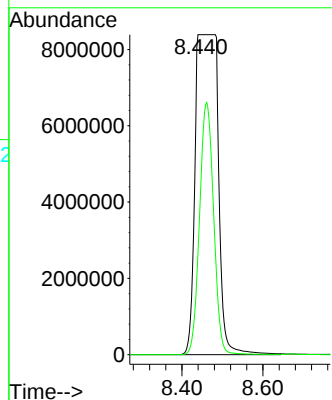
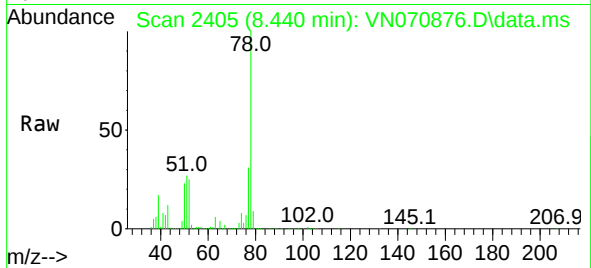
#40
Benzene
Concen: 519.414 ug/l m
RT: 8.440 min Scan# 2412
Delta R.T. -0.019 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

Instrument :
MSVOA_N
ClientSampleId :
31525

Tgt Ion: 78 Resp: 33093774
Ion Ratio Lower Upper
78 100
77 31.5 18.6 27.8

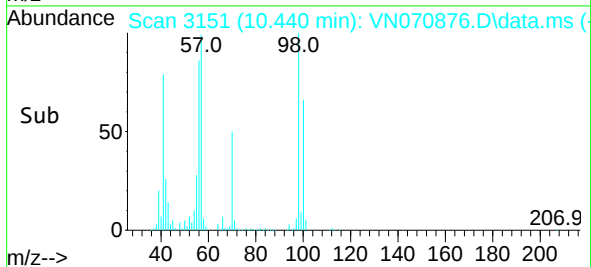
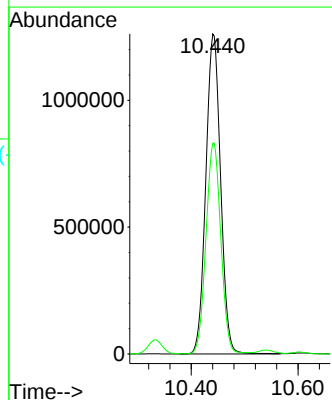
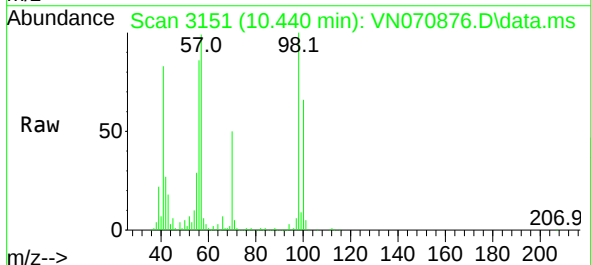
Manual Integrations
APPROVED

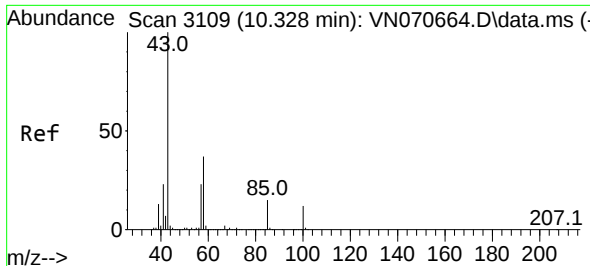
Reviewed By : John Carlone 02/02/2022
Supervised By : Mahesh Dadoda 02/07/2022



#50
Toluene-d8
Concen: 46.872 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

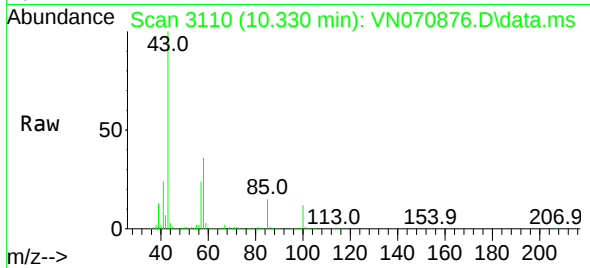
Tgt Ion: 98 Resp: 2411842
Ion Ratio Lower Upper
98 100
100 66.4 50.4 75.6





#51
4-Methyl-2-Pentanone
Concen: 30.173 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

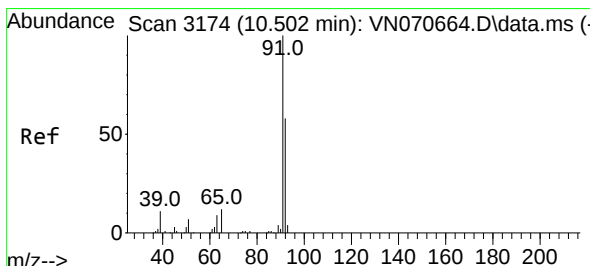
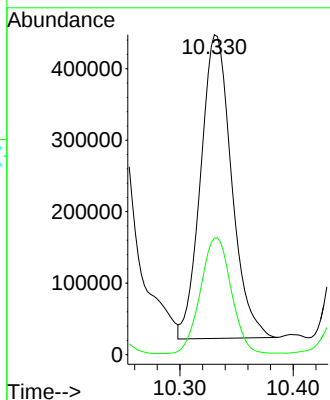
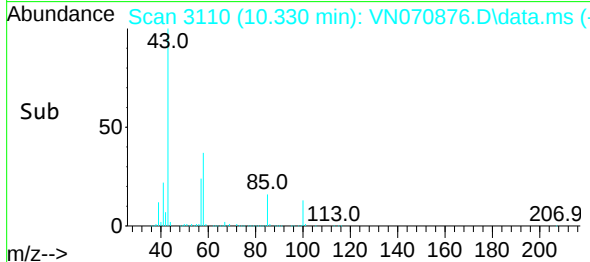
Instrument :
MSVOA_N
ClientSampleId :
31525



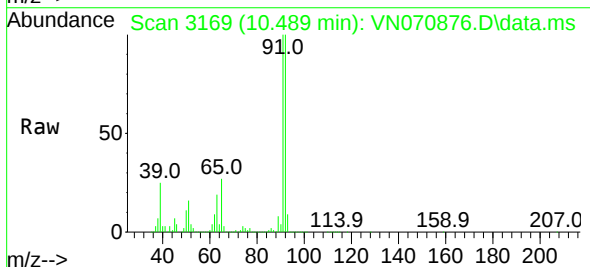
Tgt Ion: 43 Resp: 802804
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6

Manual Integrations
APPROVED

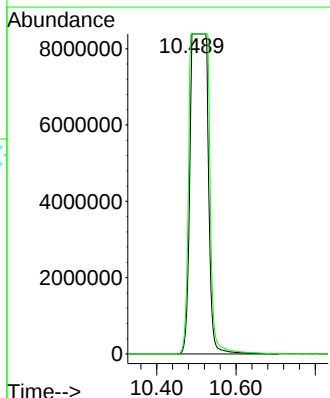
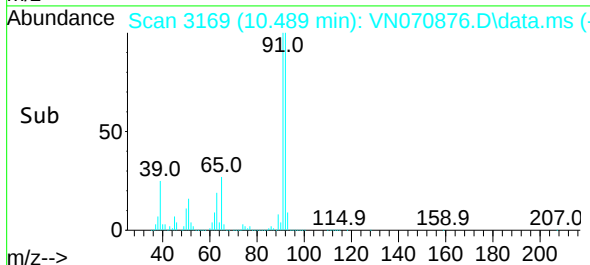
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

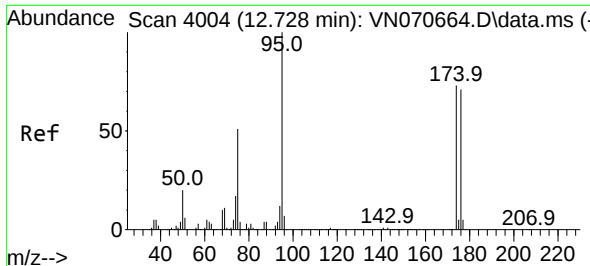


#52
Toluene
Concen: 688.429 ug/l m
RT: 10.489 min Scan# 3169
Delta R.T. -0.013 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20



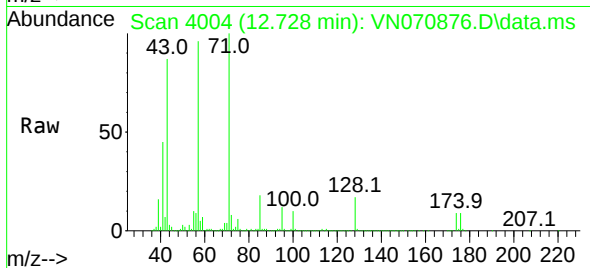
Tgt Ion: 92 Resp:26237262
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0#





#62
4-Bromofluorobenzene
Concen: 48.956 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

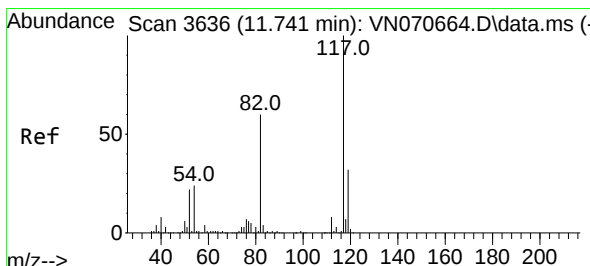
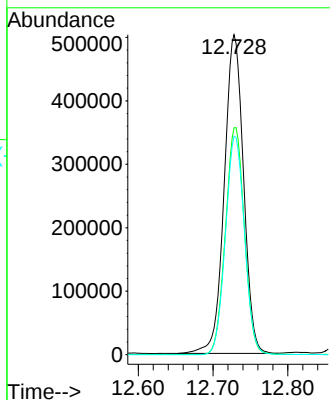
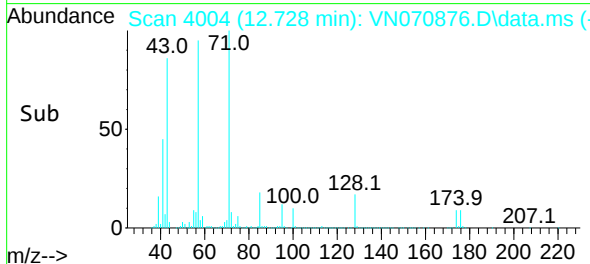
Instrument :
MSVOA_N
ClientSampleId :
31525



Tgt Ion: 95 Resp: 89765
Ion Ratio Lower Upper
95 100
174 70.2 0.0 187.2
176 67.8 0.0 181.4

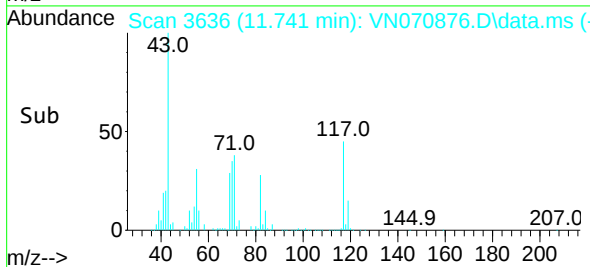
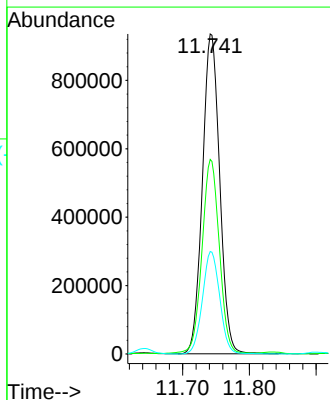
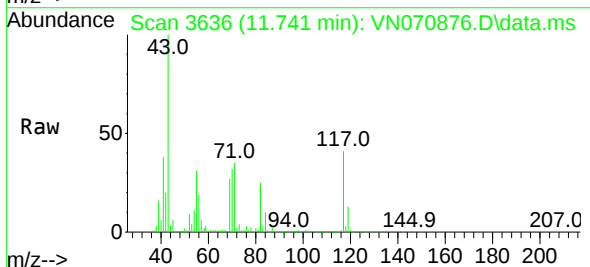
Manual Integrations
APPROVED

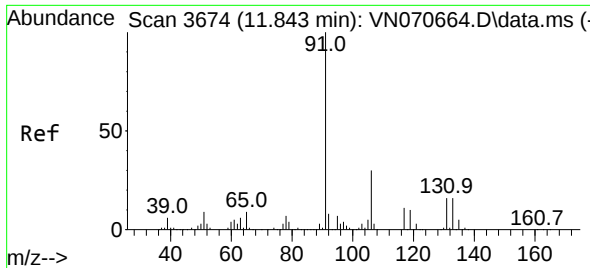
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. 0.000 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

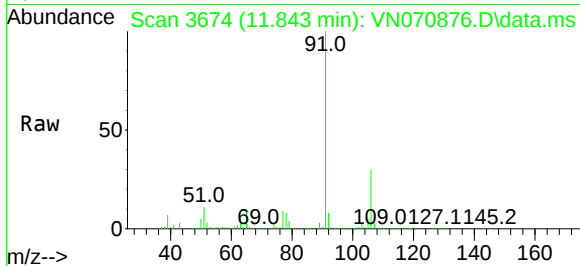
Tgt Ion:117 Resp: 1683334
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 32.0 25.4 38.2





#67
Ethyl Benzene
Concen: 89.535 ug/l
RT: 11.843 min Scan# 301
Delta R.T. 0.000 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

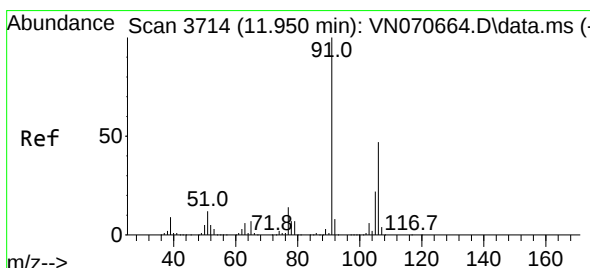
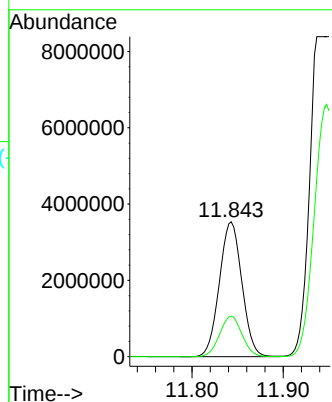
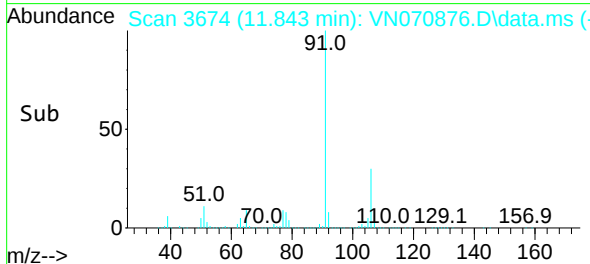
Instrument :
MSVOA_N
ClientSampleId :
31525



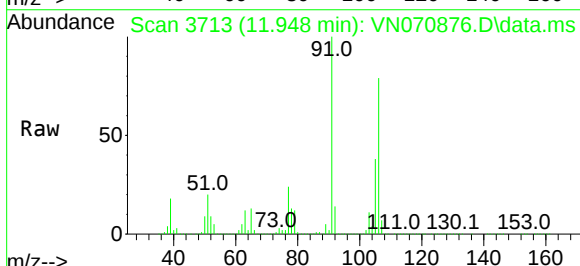
Tgt Ion: 91 Resp: 6054249
Ion Ratio Lower Upper
91 100
106 30.1 25.7 38.5

Manual Integrations
APPROVED

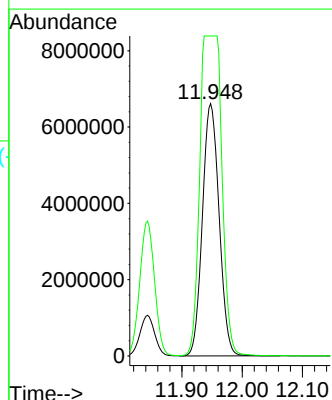
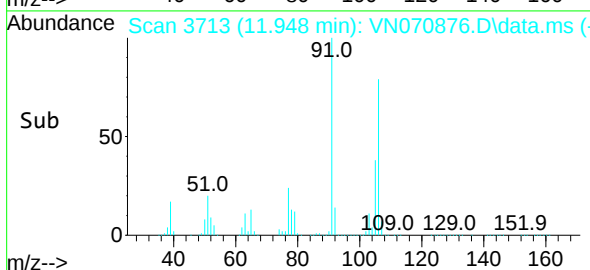
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

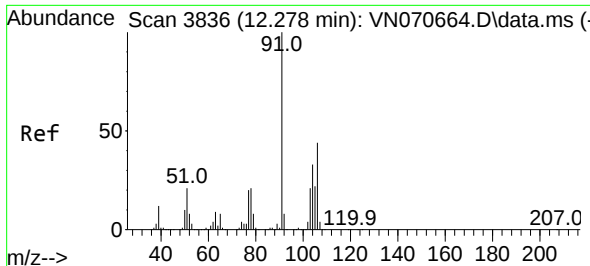


#68
m/p-Xylenes
Concen: 517.186 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.002 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20



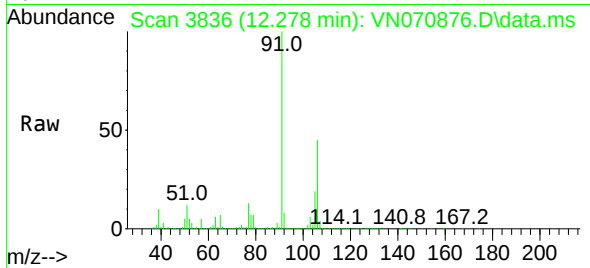
Tgt Ion:106 Resp:12722145
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8#





#69
o-Xylene
Concen: 188.236 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.001 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

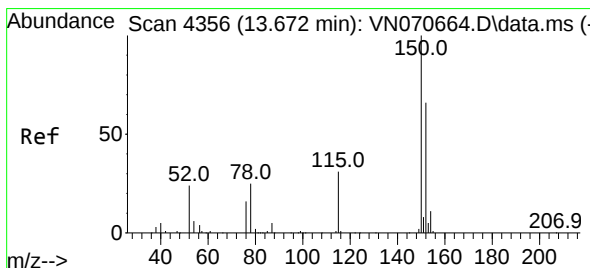
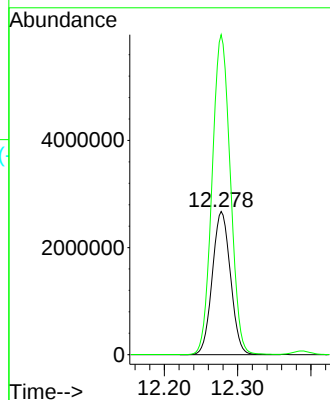
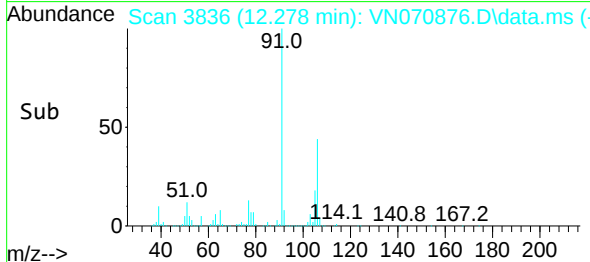
Instrument :
MSVOA_N
ClientSampleId :
31525



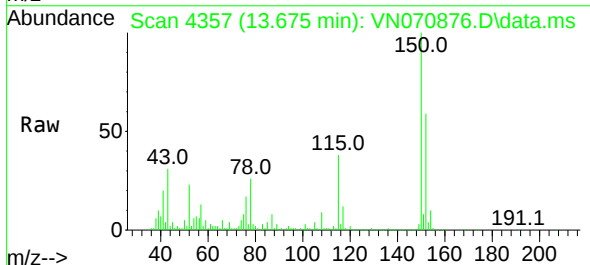
Tgt Ion:106 Resp: 4595140
Ion Ratio Lower Upper
106 100
91 224.5 105.8 317.3

Manual Integrations
APPROVED

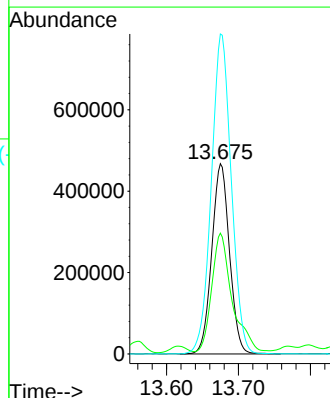
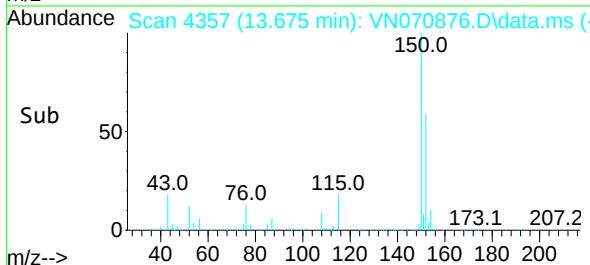
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

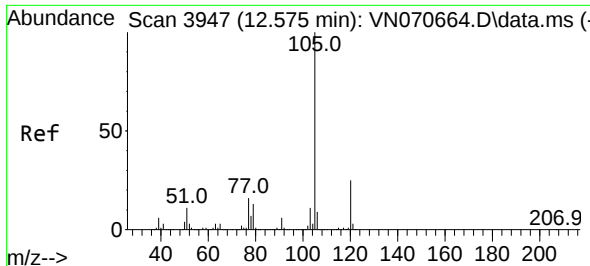


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20



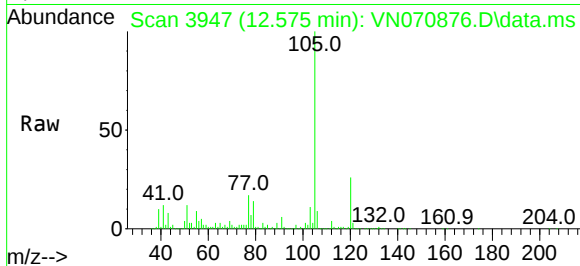
Tgt Ion:152 Resp: 800559
Ion Ratio Lower Upper
152 100
115 71.0 27.5 82.5
150 189.3 0.0 344.4





#73
Isopropylbenzene
Concen: 10.720 ug/l
RT: 12.575 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

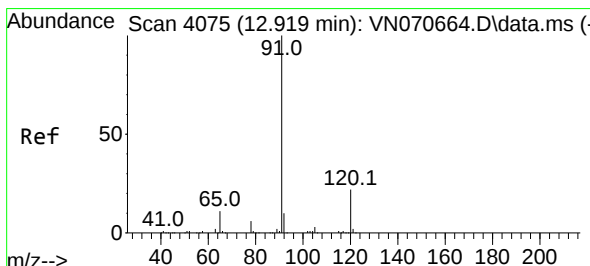
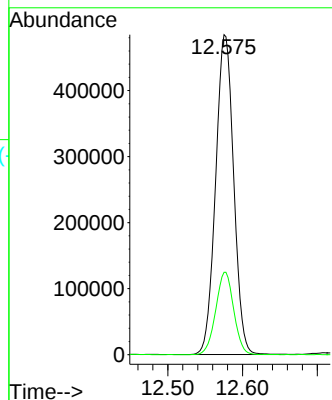
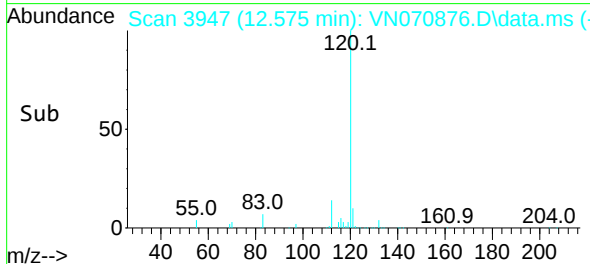
Instrument :
MSVOA_N
ClientSampleId :
31525



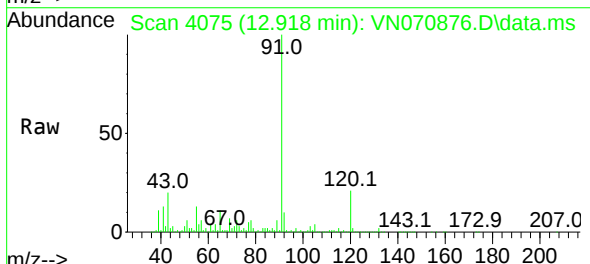
Tgt Ion:105 Resp: 811909
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1

Manual Integrations
APPROVED

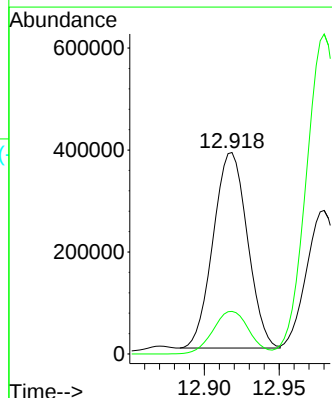
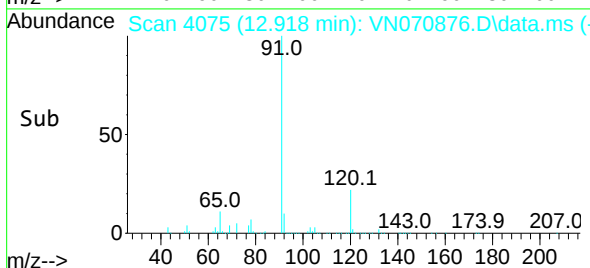
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

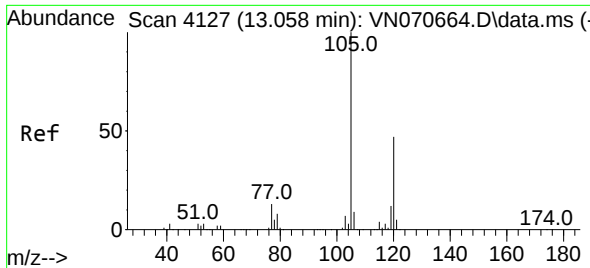


#78
n-propylbenzene
Concen: 7.233 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.001 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20



Tgt Ion: 91 Resp: 612607
Ion Ratio Lower Upper
91 100
120 22.9 11.9 35.9





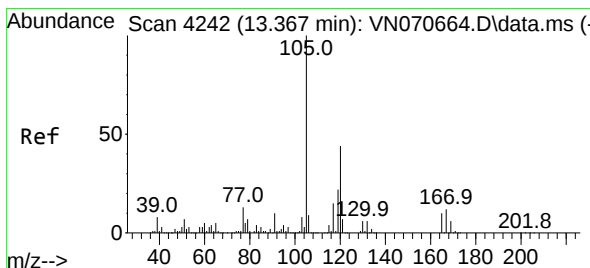
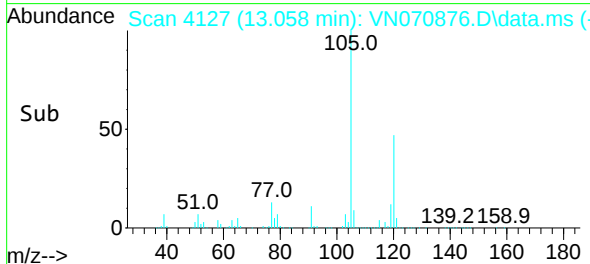
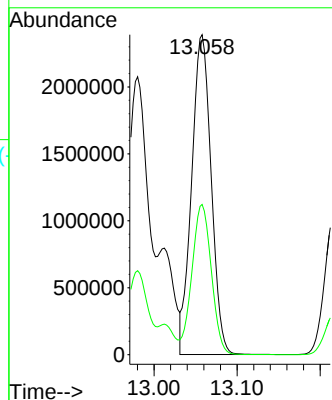
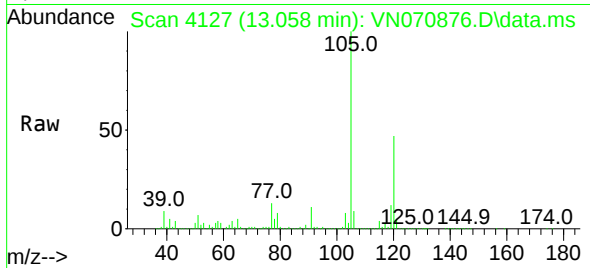
#80
 1,3,5-Trimethylbenzene
 Concen: 63.711 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. -0.000 min
 Lab File: VN070876.D
 Acq: 1 Feb 2022 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 31525

Tgt Ion:105 Resp: 390207
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.6 73.6

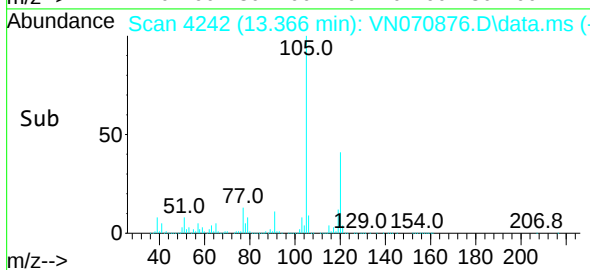
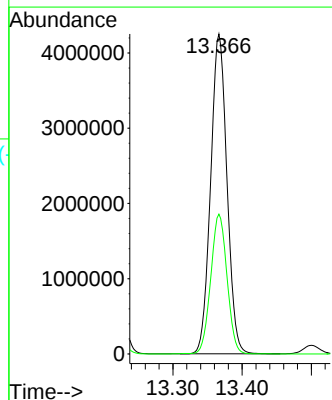
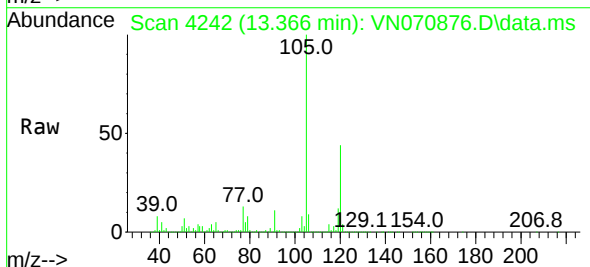
Manual Integrations
 APPROVED

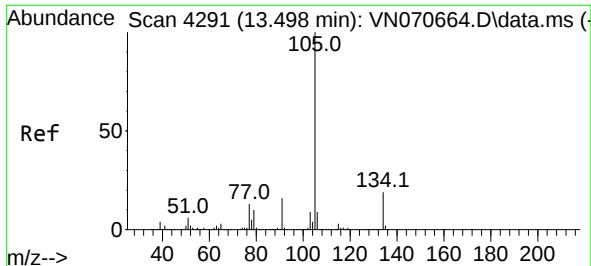
Reviewed By :John Carlone 02/02/2022
 Supervised By :Mahesh Dadoda 02/07/2022



#84
 1,2,4-Trimethylbenzene
 Concen: 118.262 ug/l
 RT: 13.366 min Scan# 4242
 Delta R.T. -0.001 min
 Lab File: VN070876.D
 Acq: 1 Feb 2022 17:20

Tgt Ion:105 Resp: 6962336
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.8 68.4





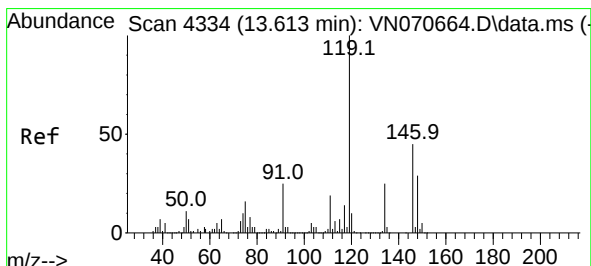
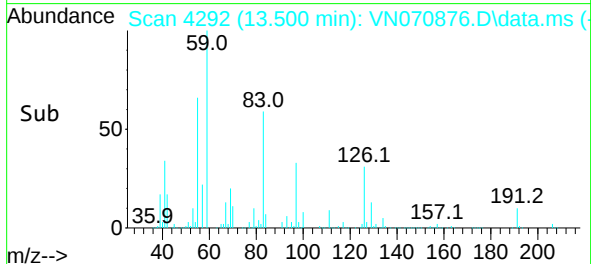
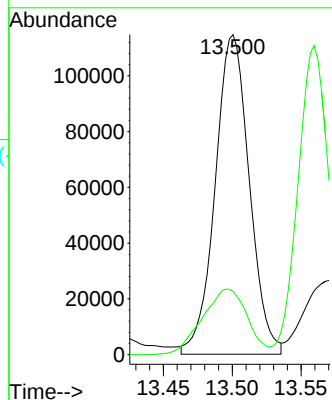
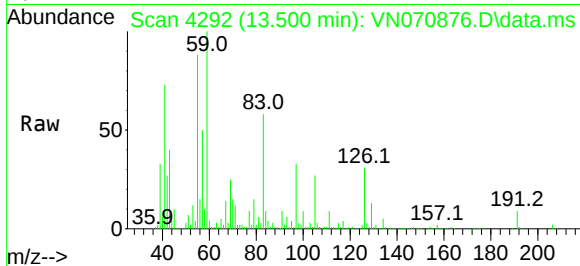
#85
 sec-Butylbenzene
 Concen: 2.721 ug/l m
 RT: 13.500 min Scan# 41
 Delta R.T. 0.002 min
 Lab File: VN070876.D
 Acq: 1 Feb 2022 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 31525

Tgt Ion:105 Resp: 197204
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

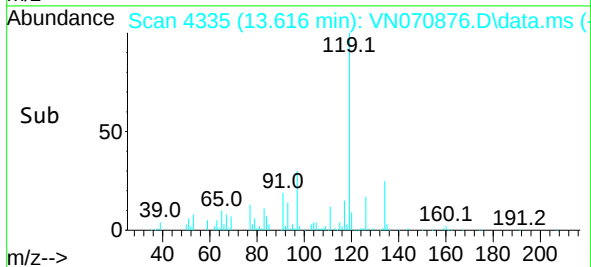
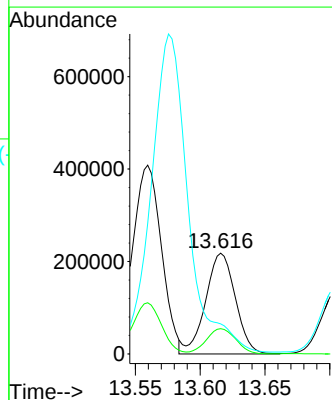
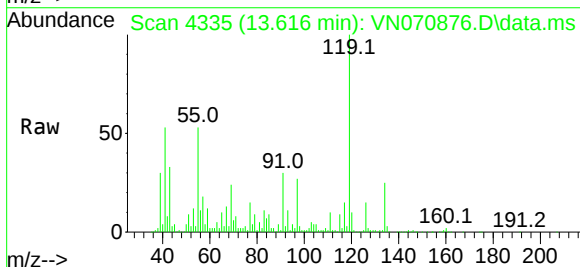
Manual Integrations
 APPROVED

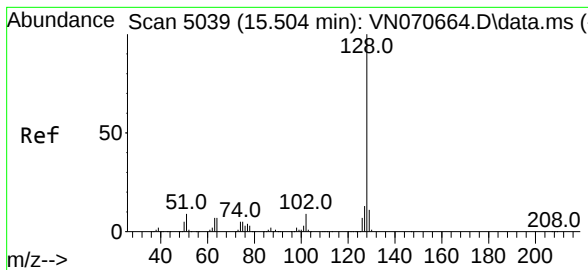
Reviewed By :John Carlone 02/02/2022
 Supervised By :Mahesh Dadoda 02/07/2022



#86
 p-Isopropyltoluene
 Concen: 6.130 ug/l m
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.003 min
 Lab File: VN070876.D
 Acq: 1 Feb 2022 17:20

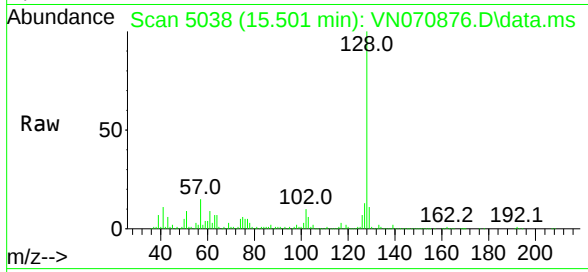
Tgt Ion:119 Resp: 349035
 Ion Ratio Lower Upper
 119 100
 134 22.5 13.6 40.7
 91 25.1 11.4 34.1





#95
Naphthalene
Concen: 28.045 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070876.D
Acq: 1 Feb 2022 17:20

Instrument :
MSVOA_N
ClientSampleId :
31525



Tgt Ion:128 Resp: 1064124
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 6.3 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

