

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070875.D
 Acq On : 1 Feb 2022 16:55
 Operator : JC/MD
 Sample : N1342-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31524

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:36:27 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	8.083	168	1113247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1752588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1497714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	722046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	738269	46.273	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.540%		
35) Dibromofluoromethane	8.021	113	522173	48.032	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.060%		
50) Toluene-d8	10.440	98	2143579	46.805	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.600%		
62) 4-Bromofluorobenzene	12.728	95	788162	48.295	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.580%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.821	74	4952632	554.939	ug/l	81
11) Tert butyl alcohol	5.385	59	18432514	6403.702	ug/l	97
16) Acetone	4.283	43	15355788	1386.697	ug/l	97
18) Methyl Acetate	4.851	43	4204880	193.081	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	4484164	101.922	ug/l #	80
20) Methylene Chloride	5.090	84	28125	1.928	ug/l #	89
25) 2-Butanone	7.335	43	14913206	1070.242	ug/l	94
29) Tetrahydrofuran	7.683	42	702596	82.347	ug/l #	80
31) Cyclohexane	8.094	56	964631	34.335	ug/l	88
39) Methylcyclohexane	9.459	83	775256	34.312	ug/l	91
40) Benzene	8.434	78	39675820m	699.642	ug/l	
51) 4-Methyl-2-Pentanone	10.336	43	4583745	193.561	ug/l	100
52) Toluene	10.489	92	30745330m	906.364	ug/l	
67) Ethyl Benzene	11.843	91	9549594	158.731	ug/l	97
68) m/p-Xylenes	11.942	106	17652628m	806.561	ug/l	
69) o-Xylene	12.278	106	7226489	332.715	ug/l	96
73) Isopropylbenzene	12.575	105	931110	13.631	ug/l	98
78) n-propylbenzene	12.919	91	584173	7.647	ug/l	100
80) 1,3,5-Trimethylbenzene	13.058	105	3115705	56.403	ug/l	96
84) 1,2,4-Trimethylbenzene	13.366	105	5758807	108.455	ug/l	95
95) Naphthalene	15.501	128	2003566	53.165	ug/l	100

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

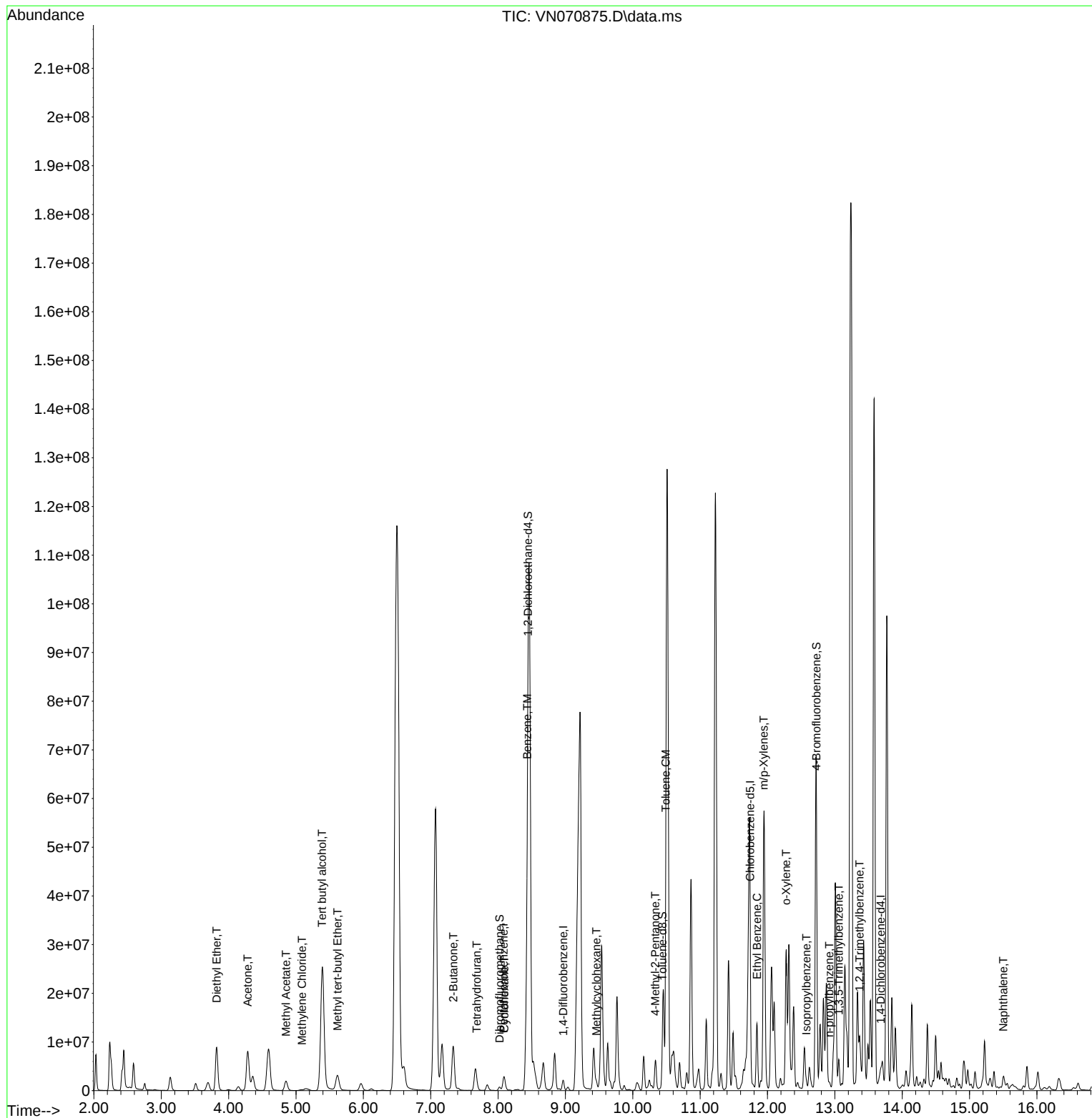
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
Data File : VN070875.D
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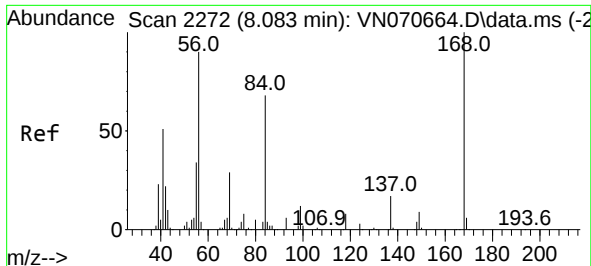
Instrument :
MSVOA_N
ClientSampleId :
31524

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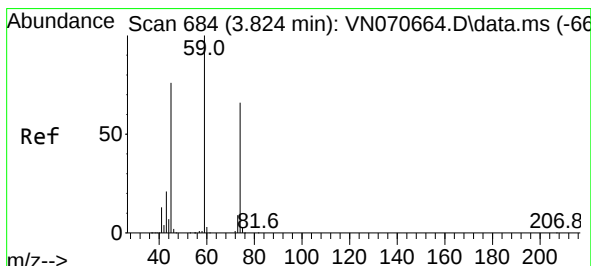
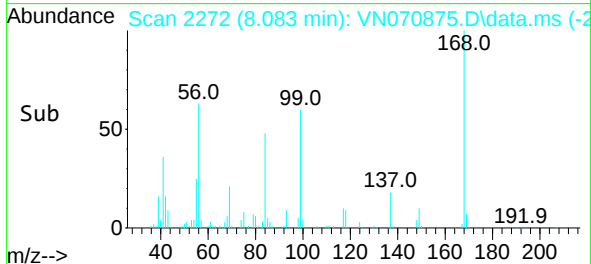
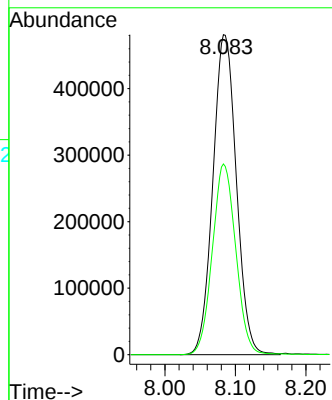
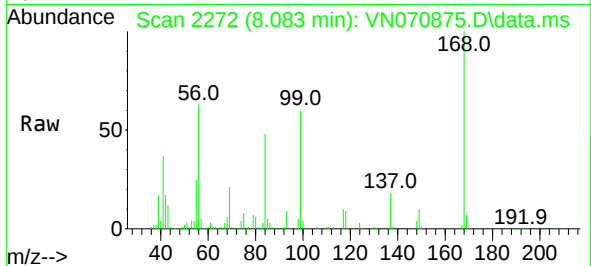
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :
31524

Tgt Ion:168 Resp: 111324
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9

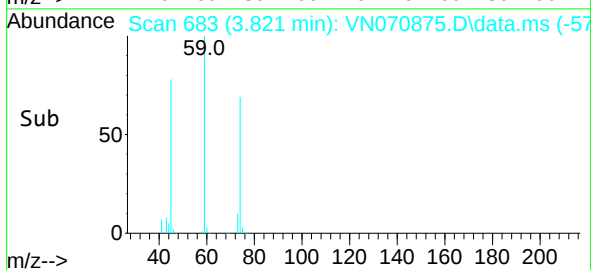
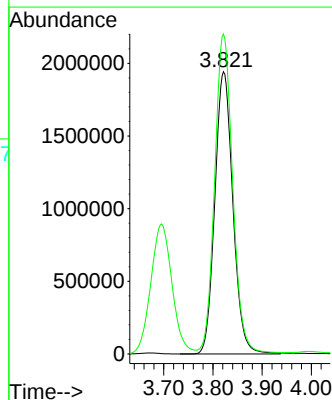
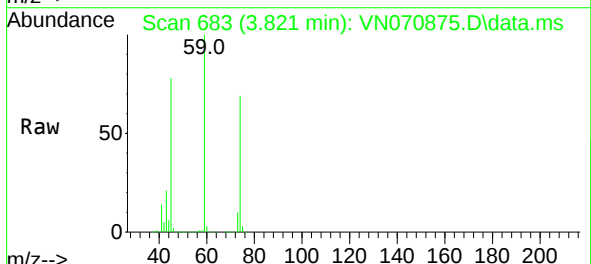
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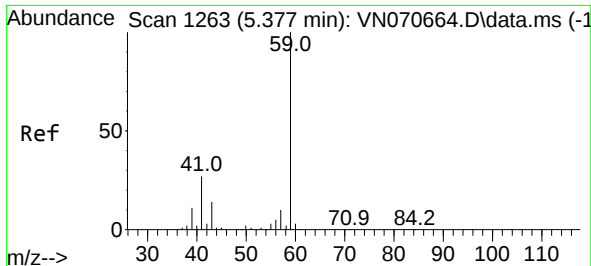
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#8
Diethyl Ether
Concen: 554.939 ug/l
RT: 3.821 min Scan# 683
Delta R.T. -0.003 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

Tgt Ion: 74 Resp: 4952632
Ion Ratio Lower Upper
74 100
45 112.7 47.0 141.2





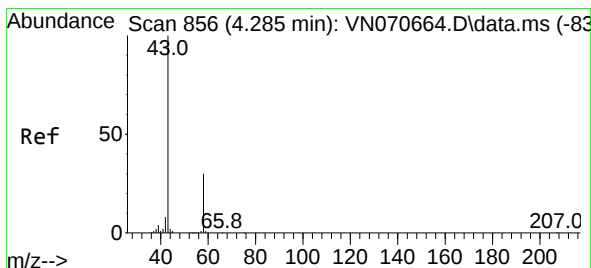
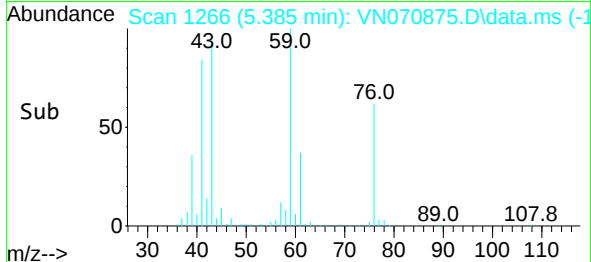
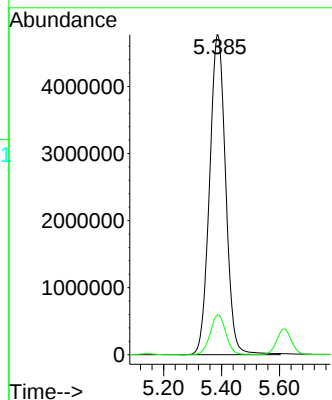
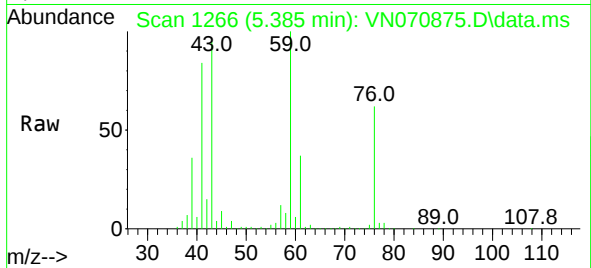
#11
Tert butyl alcohol
Concen: 6403.702 ug/l
RT: 5.385 min Scan# 11
Delta R.T. 0.008 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :
31524

Tgt Ion: 59 Resp:18432514
Ion Ratio Lower Upper
59 100
57 12.2 8.7 13.1

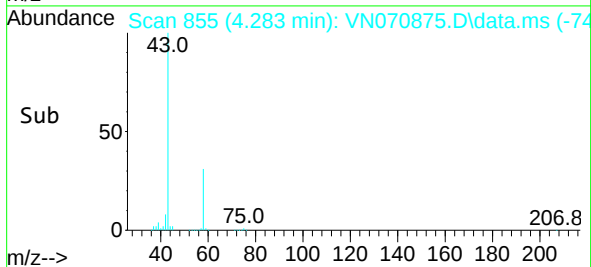
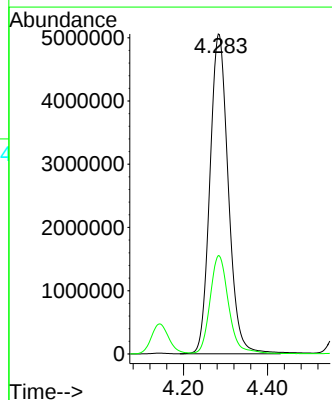
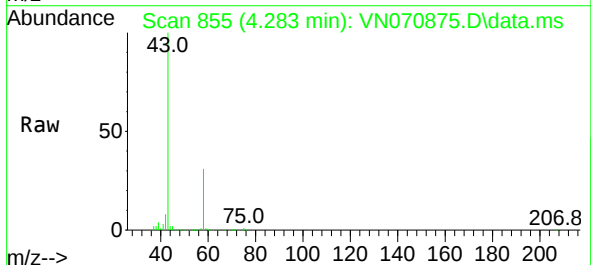
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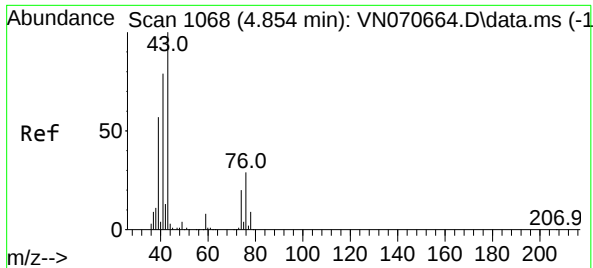
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#16
Acetone
Concen: 1386.697 ug/l
RT: 4.283 min Scan# 855
Delta R.T. -0.002 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

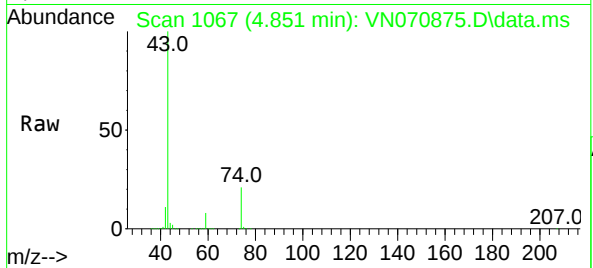
Tgt Ion: 43 Resp:15355788
Ion Ratio Lower Upper
43 100
58 30.6 23.1 34.7





#18
Methyl Acetate
Concen: 193.081 ug/l
RT: 4.851 min Scan# 1067
Delta R.T. -0.003 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

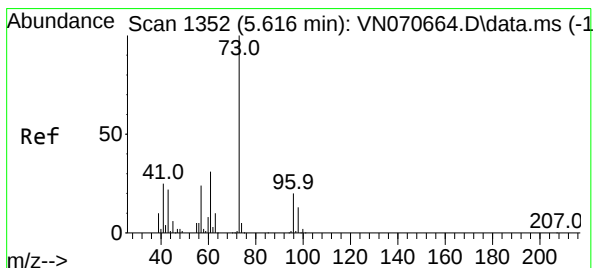
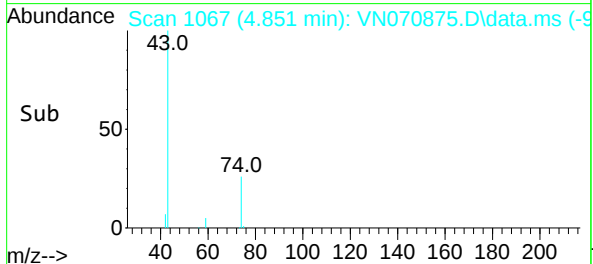
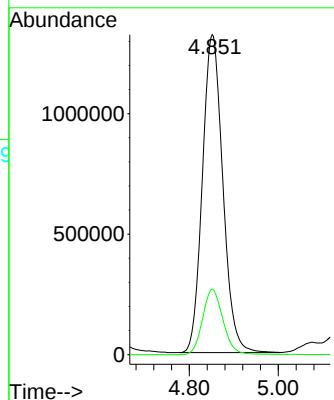
Instrument :
MSVOA_N
ClientSampleId :
31524



Tgt Ion: 43 Resp: 4204880
Ion Ratio Lower Upper
43 100
74 20.6 19.4 29.2

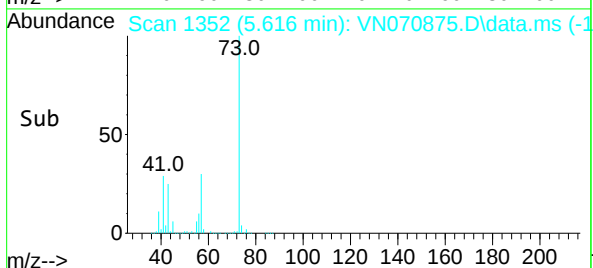
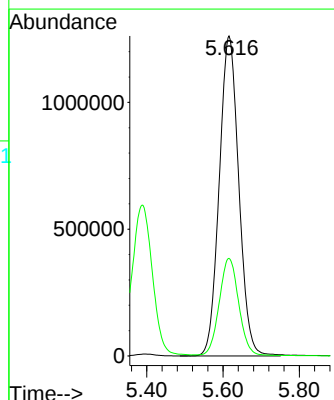
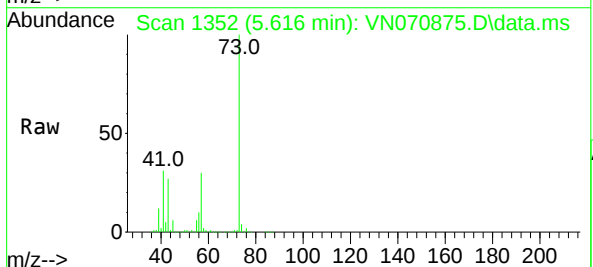
Manual Integrations
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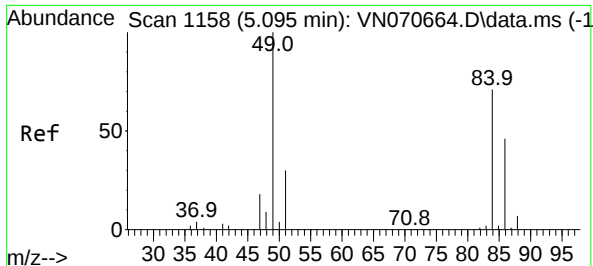
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#19
Methyl tert-butyl Ether
Concen: 101.922 ug/l
RT: 5.616 min Scan# 1352
Delta R.T. -0.000 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

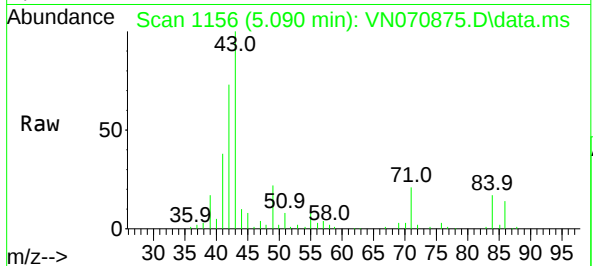
Tgt Ion: 73 Resp: 4484164
Ion Ratio Lower Upper
73 100
57 30.3 16.8 25.2#





#20
Methylene Chloride
Concen: 1.928 ug/l
RT: 5.090 min Scan# 1158
Delta R.T. -0.005 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :
31524

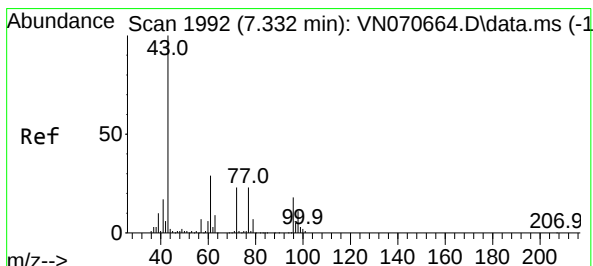
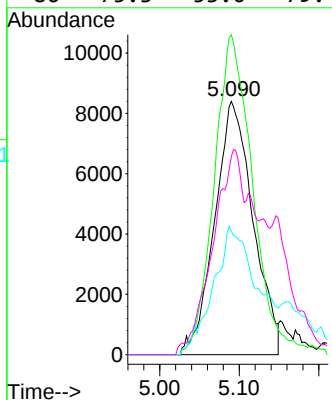
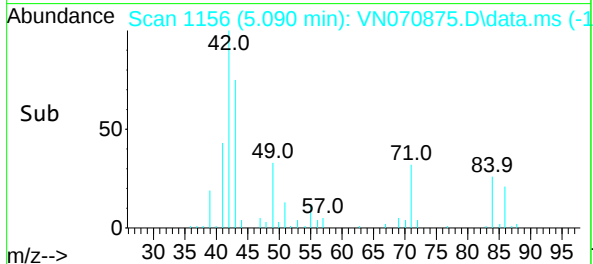


Tgt Ion: 84 Resp: 2812

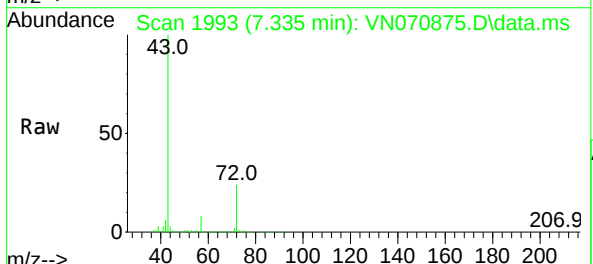
Ion	Ratio	Lower	Upper
84	100		
49	126.3	93.5	140.3
51	48.7	29.4	44.2
86	75.3	53.0	79.4

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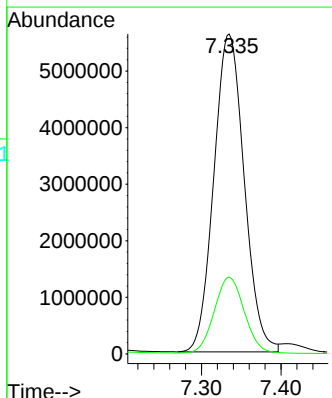
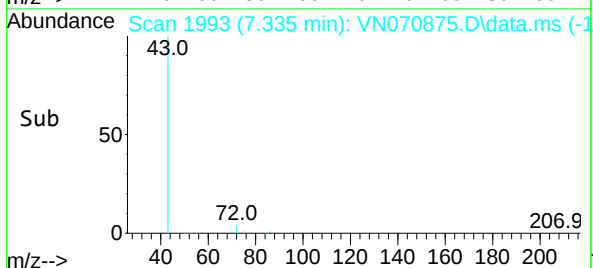


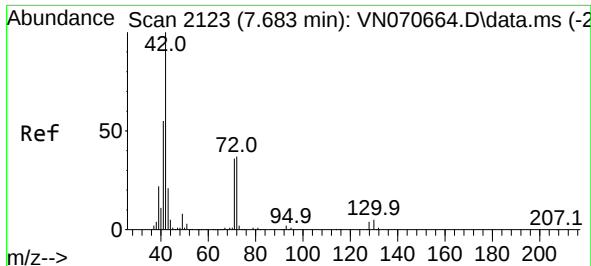
#25
2-Butanone
Concen: 1070.242 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. 0.003 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55



Tgt Ion: 43 Resp:14913206

Ion	Ratio	Lower	Upper
43	100		
72	23.9	21.7	32.5





#29

Tetrahydrofuran

Concen: 82.347 ug/l

RT: 7.683 min Scan# 2123

Delta R.T. 0.000 min

Lab File: VN070875.D

Acq: 1 Feb 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

31524

Tgt Ion: 42 Resp: 702590

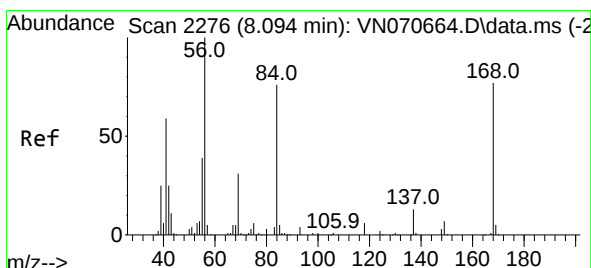
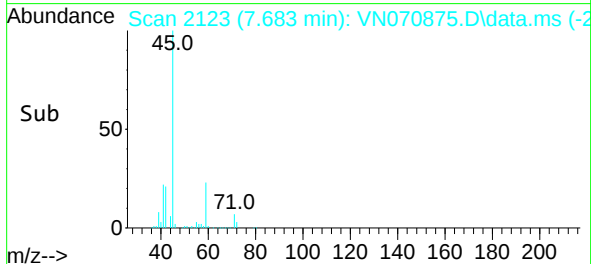
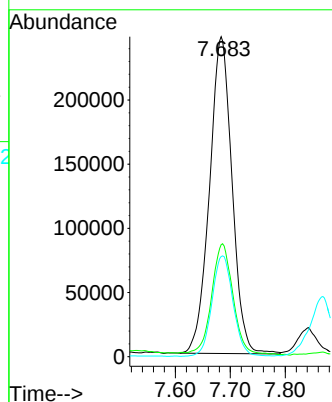
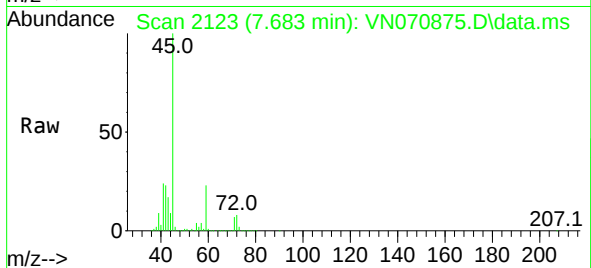
Ion	Ratio	Lower	Upper
42	100		
72	32.5	36.3	54.5
71	29.7	34.7	52.1

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#31

Cyclohexane

Concen: 34.335 ug/l

RT: 8.094 min Scan# 2276

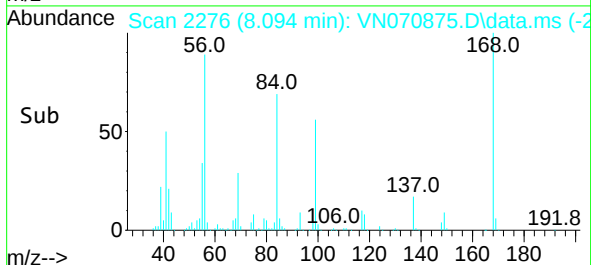
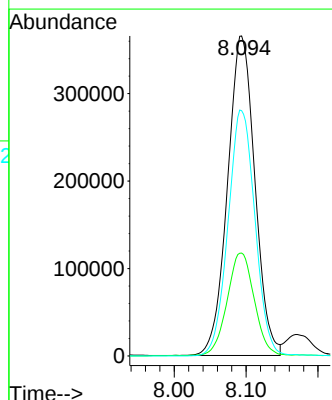
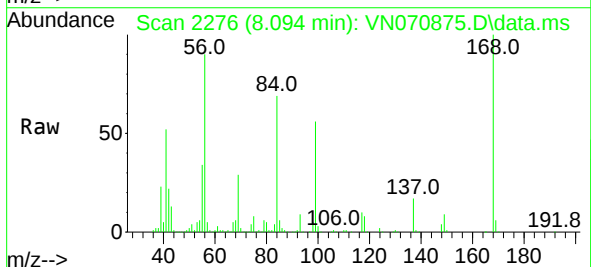
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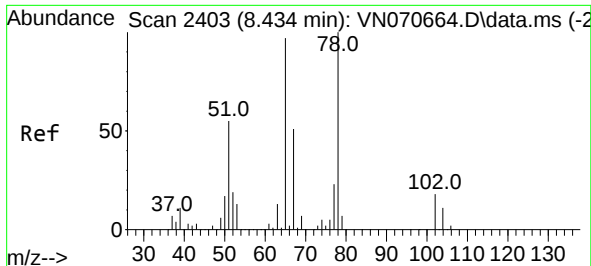
Lab File: VN070875.D

Acq: 1 Feb 2022 16:55

Tgt Ion: 56 Resp: 964631

Ion	Ratio	Lower	Upper
56	100		
69	32.0	27.1	40.7
84	76.8	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 46.273 ug/l

RT: 8.442 min Scan# 2403

Delta R.T. 0.008 min

Lab File: VN070875.D

Acq: 1 Feb 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

31524

Tgt Ion: 65 Resp: 738269

Ion Ratio Lower Upper

65 100

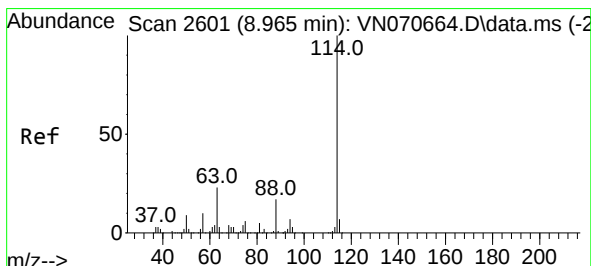
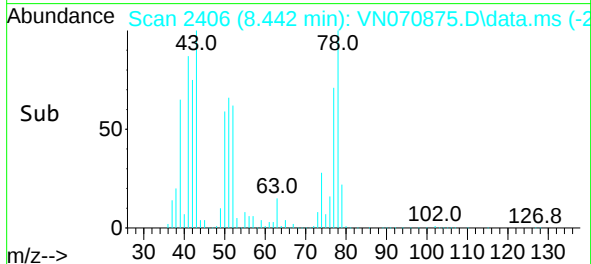
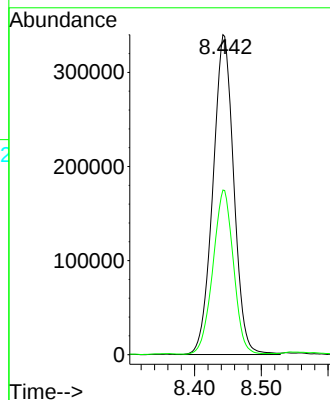
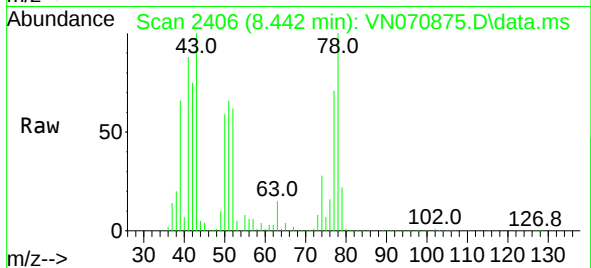
67 50.5 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 02/07/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070875.D

Acq: 1 Feb 2022 16:55

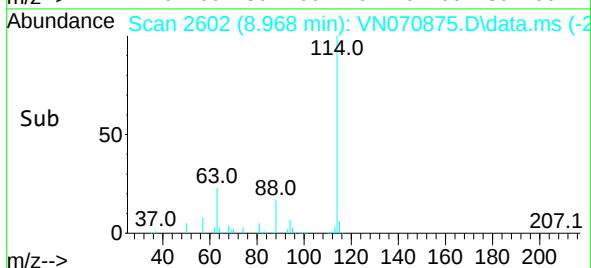
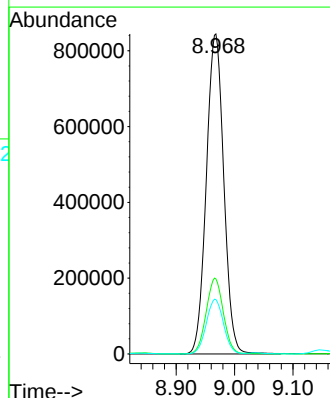
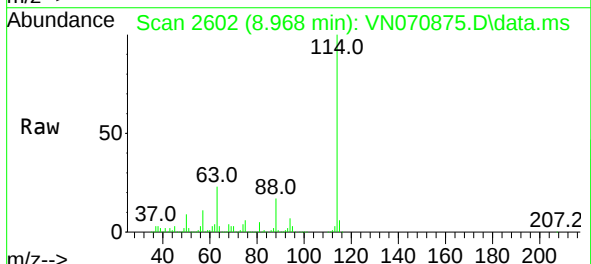
Tgt Ion:114 Resp: 1752588

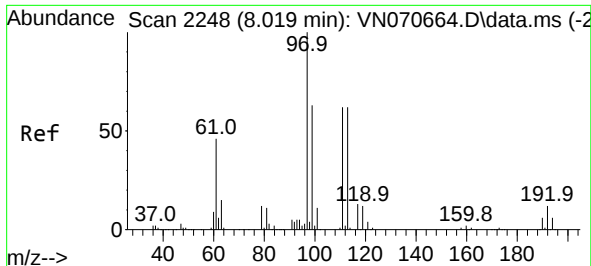
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

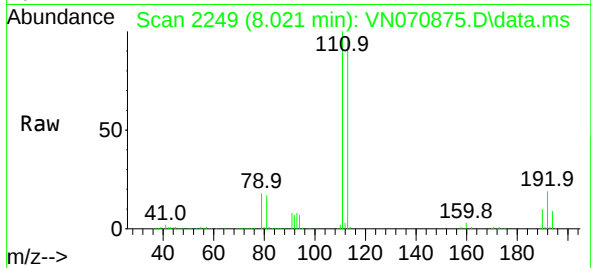
88 17.0 0.0 27.4





#35
Dibromofluoromethane
Concen: 48.032 ug/l
RT: 8.021 min Scan# 2248
Delta R.T. 0.002 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

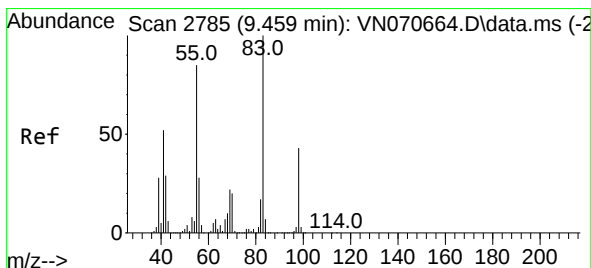
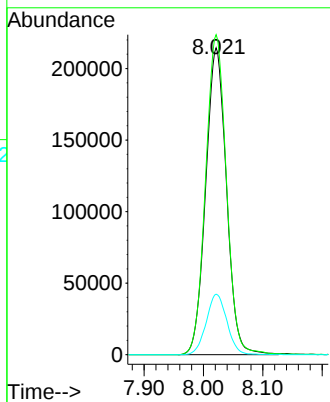
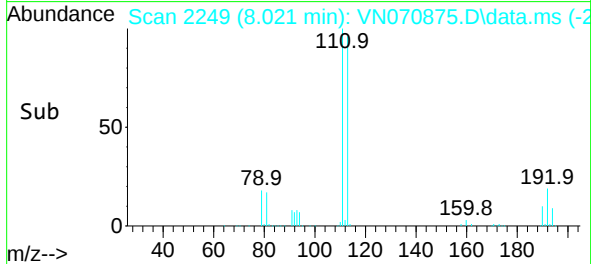
Instrument :
MSVOA_N
ClientSampleId :
31524



Tgt Ion: 113 Resp: 52217
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 19.6 16.9 25.3

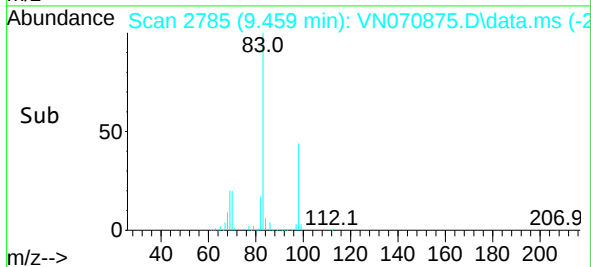
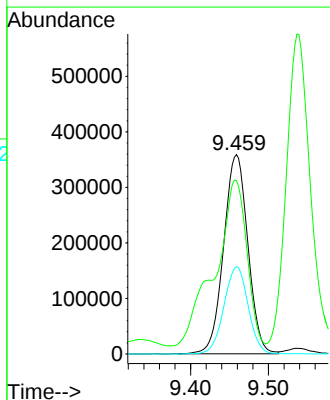
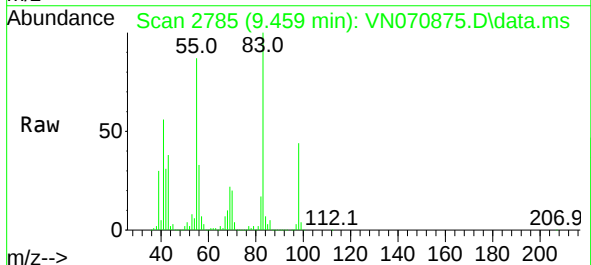
Manual Integrations
APPROVED

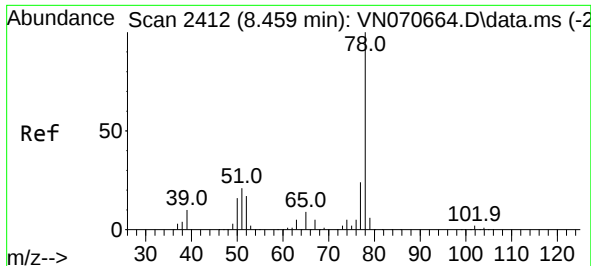
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#39
Methylcyclohexane
Concen: 34.312 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

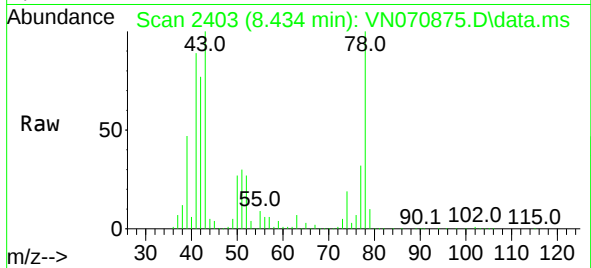
Tgt Ion: 83 Resp: 775256
Ion Ratio Lower Upper
83 100
55 82.0 58.1 87.1
98 43.9 38.4 57.6





#40
Benzene
Concen: 699.642 ug/l m
RT: 8.434 min Scan# 2412
Delta R.T. -0.025 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

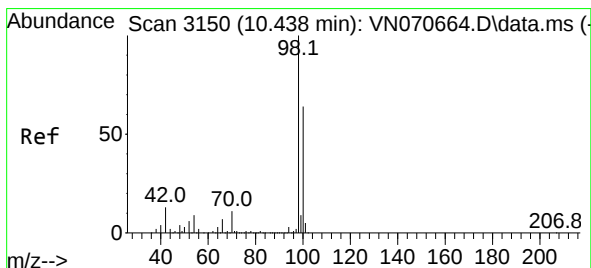
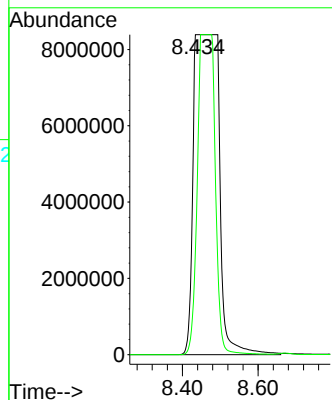
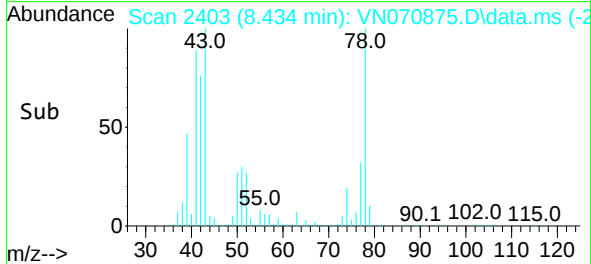
Instrument :
MSVOA_N
ClientSampleId :
31524



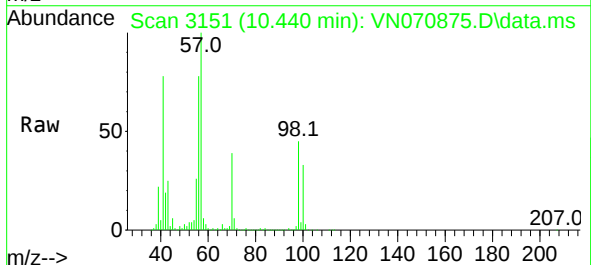
Tgt Ion: 78 Resp: 39675820
Ion Ratio Lower Upper
78 100
77 32.4 18.6 27.8

Manual Integrations
APPROVED

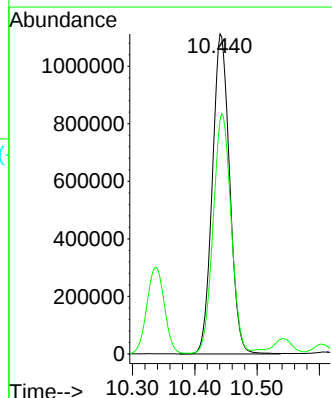
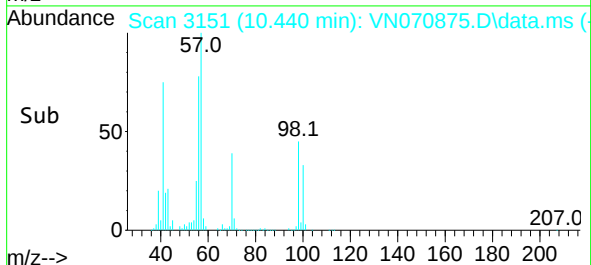
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

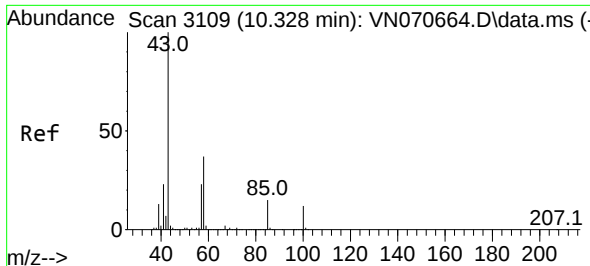


#50
Toluene-d8
Concen: 46.805 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55



Tgt Ion: 98 Resp: 2143579
Ion Ratio Lower Upper
98 100
100 77.5 50.4 75.6





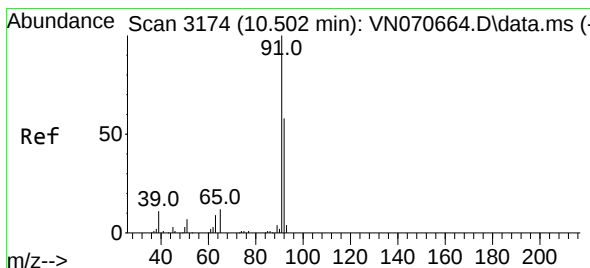
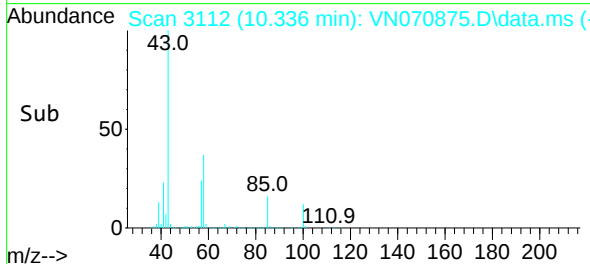
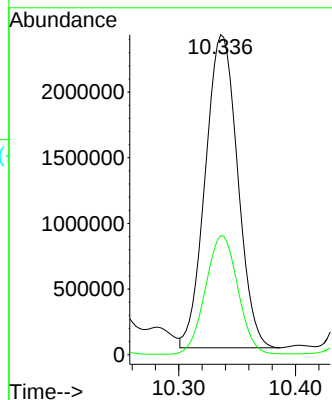
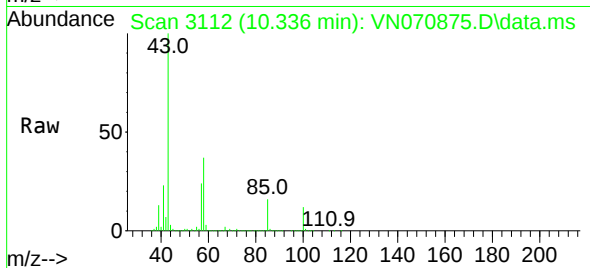
#51
4-Methyl-2-Pentanone
Concen: 193.561 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.008 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :
31524

Tgt Ion: 43 Resp: 458374
Ion Ratio Lower Upper
43 100
58 38.1 30.4 45.6

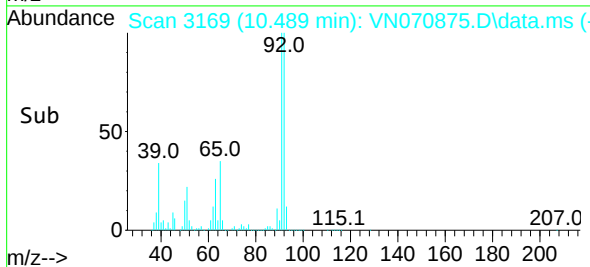
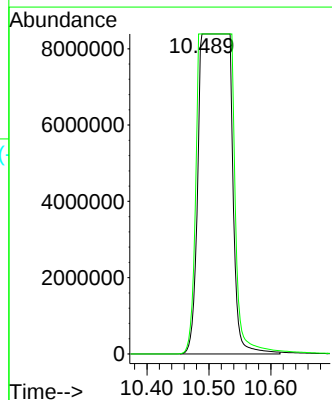
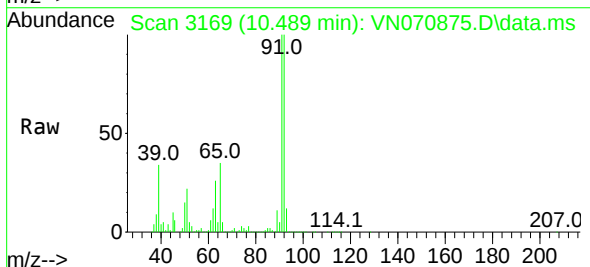
Manual Integrations
APPROVED

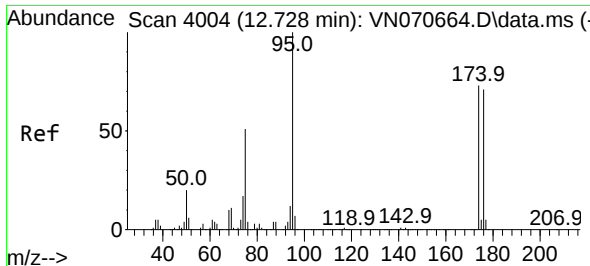
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#52
Toluene
Concen: 906.364 ug/l m
RT: 10.489 min Scan# 3169
Delta R.T. -0.013 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

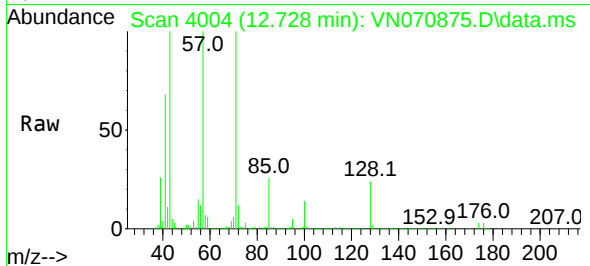
Tgt Ion: 92 Resp:30745330
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0#





#62
4-Bromofluorobenzene
Concen: 48.295 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

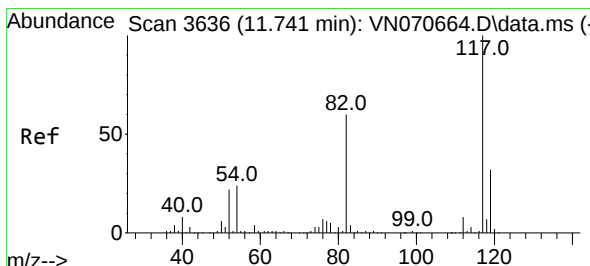
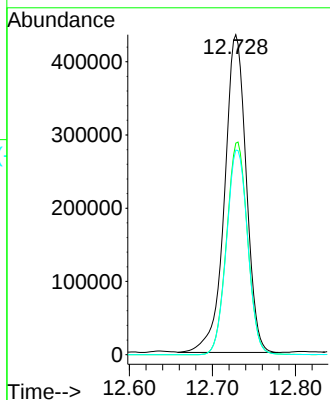
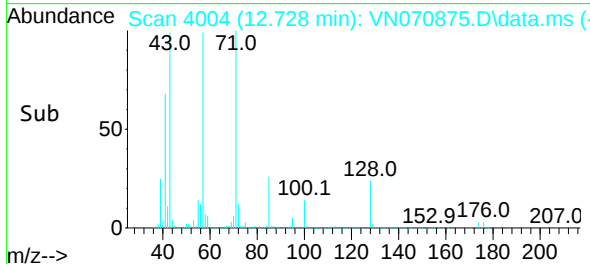
Instrument :
MSVOA_N
ClientSampleId :
31524



Tgt Ion: 95 Resp: 788162
Ion Ratio Lower Upper
95 100
174 64.6 0.0 187.2
176 63.1 0.0 181.4

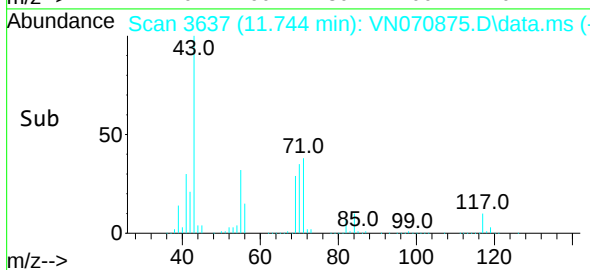
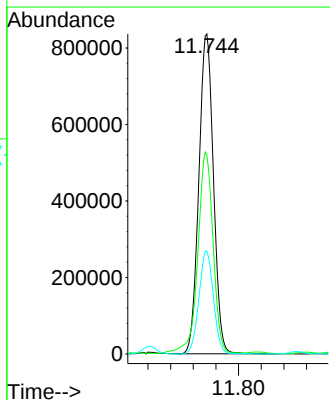
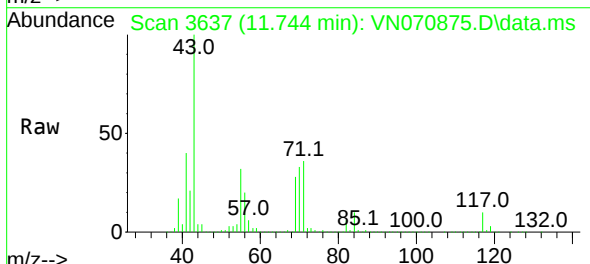
Manual Integrations
APPROVED

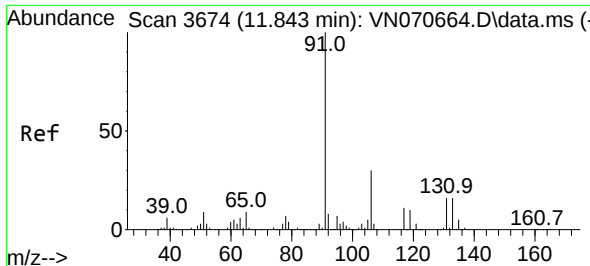
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

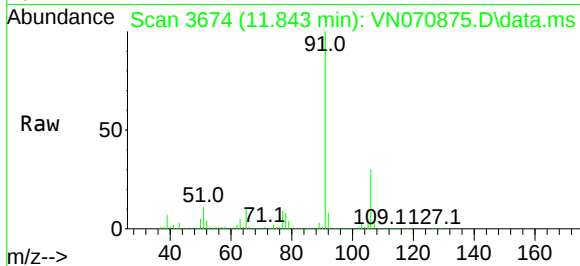
Tgt Ion:117 Resp: 1497714
Ion Ratio Lower Upper
117 100
82 62.1 42.4 63.6
119 32.2 25.4 38.2





#67
Ethyl Benzene
Concen: 158.731 ug/l
RT: 11.843 min Scan# 301
Delta R.T. 0.000 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

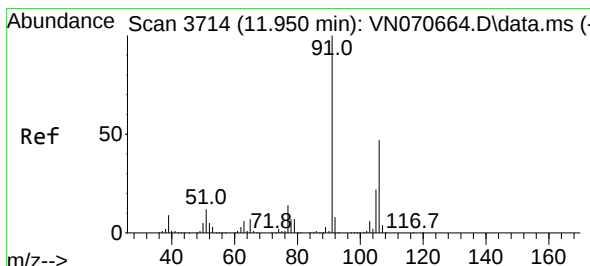
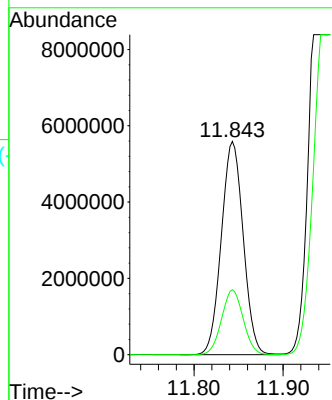
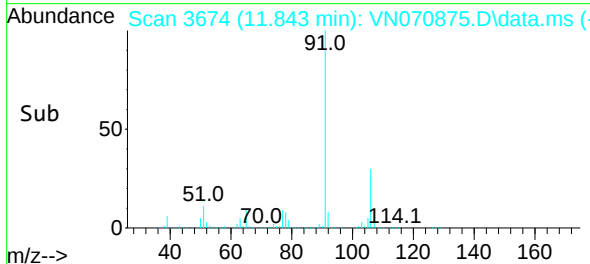
Instrument :
MSVOA_N
ClientSampleId :
31524



Tgt Ion: 91 Resp: 9549594
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5

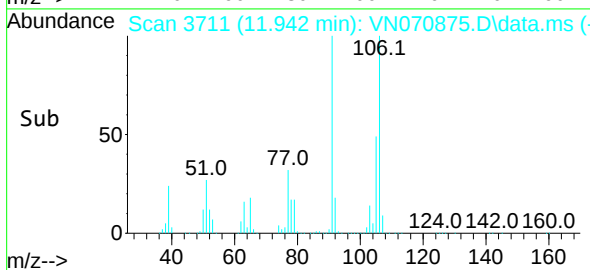
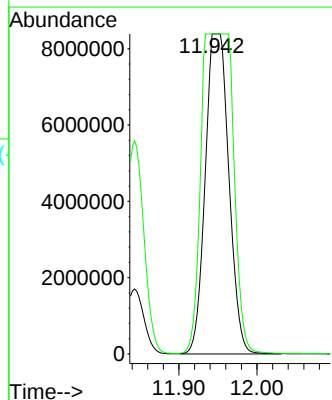
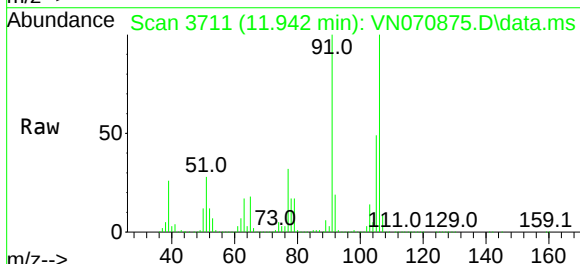
Manual Integrations
APPROVED

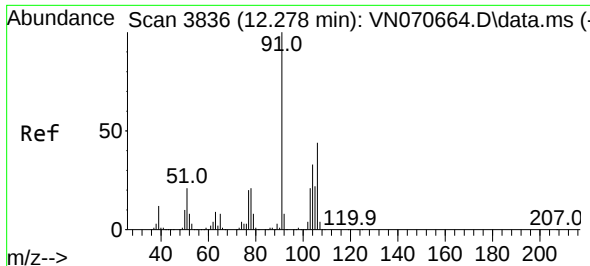
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#68
m/p-Xylenes
Concen: 806.561 ug/l m
RT: 11.942 min Scan# 3711
Delta R.T. -0.008 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

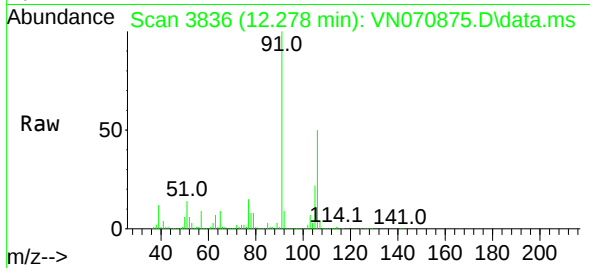
Tgt Ion:106 Resp:17652628
Ion Ratio Lower Upper
106 100
91 54.1 160.6 240.8#





#69
o-Xylene
Concen: 332.715 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

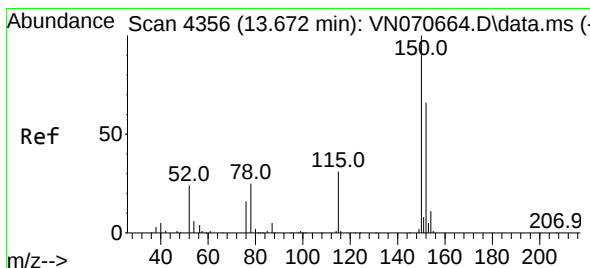
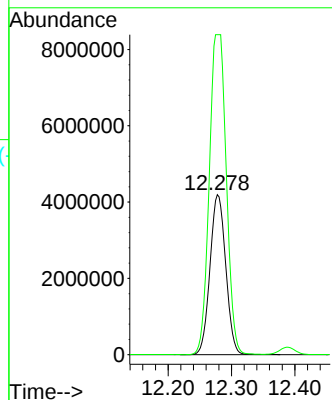
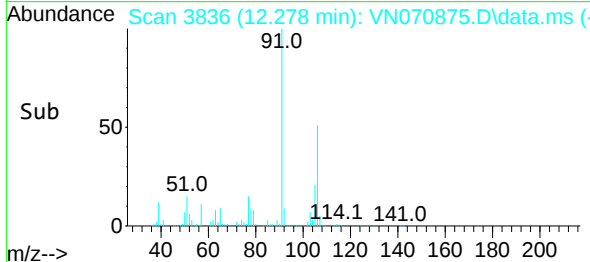
Instrument :
MSVOA_N
ClientSampleId :
31524



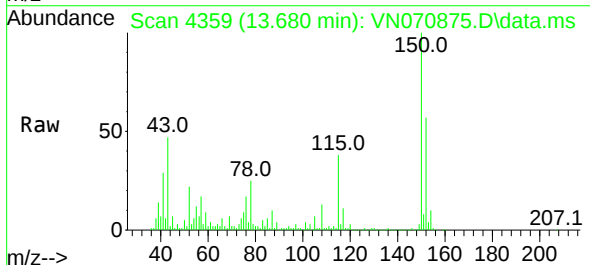
Tgt Ion:106 Resp: 7226489
Ion Ratio Lower Upper
106 100
91 217.2 105.8 317.3

Manual Integrations
APPROVED

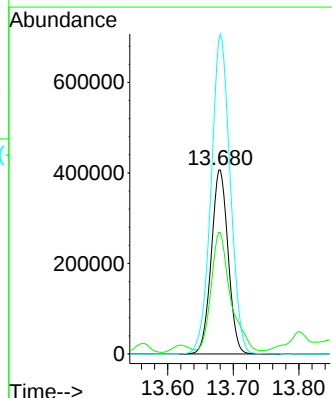
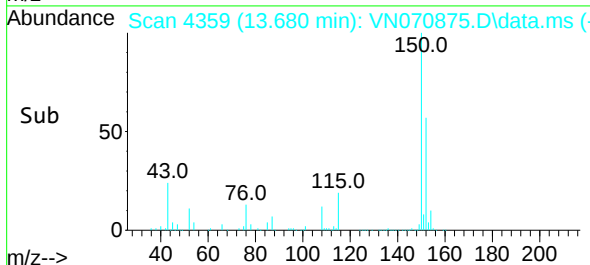
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

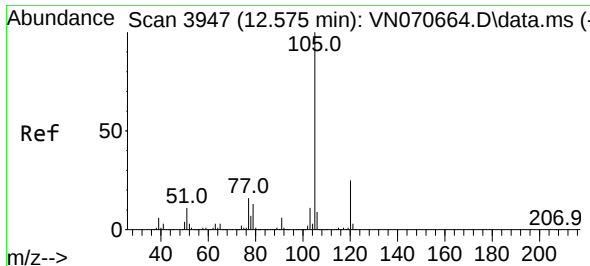


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.008 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55



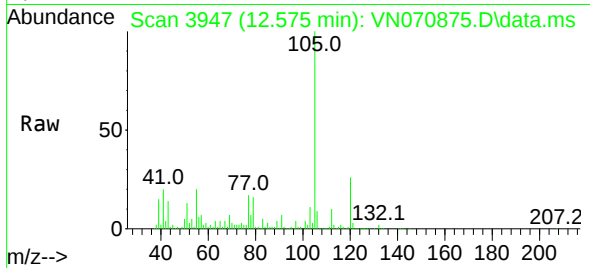
Tgt Ion:152 Resp: 722046
Ion Ratio Lower Upper
152 100
115 73.2 27.5 82.5
150 197.5 0.0 344.4





#73
Isopropylbenzene
Concen: 13.631 ug/l
RT: 12.575 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

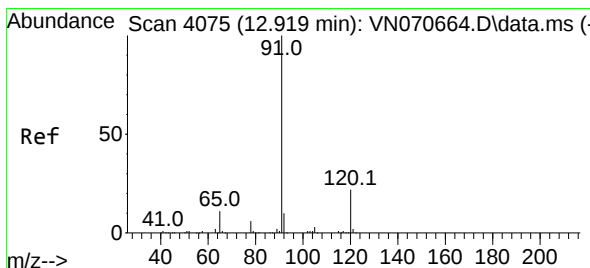
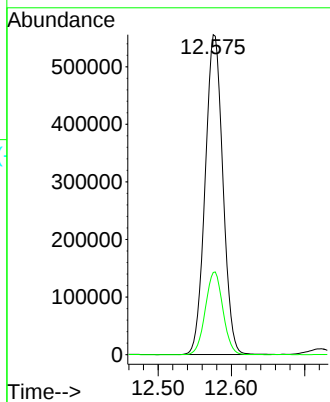
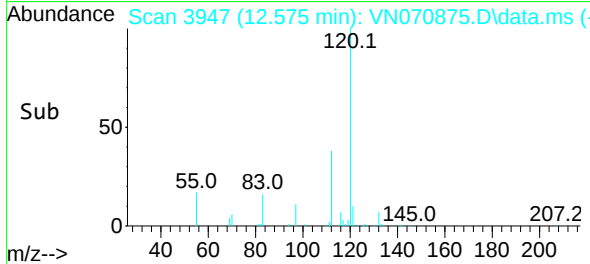
Instrument :
MSVOA_N
ClientSampleId :
31524



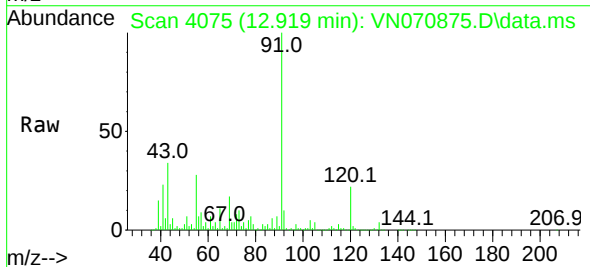
Tgt Ion:105 Resp: 931110
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

Manual Integrations
APPROVED

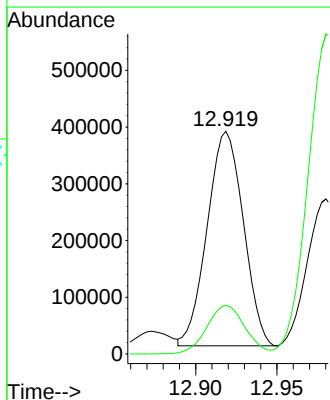
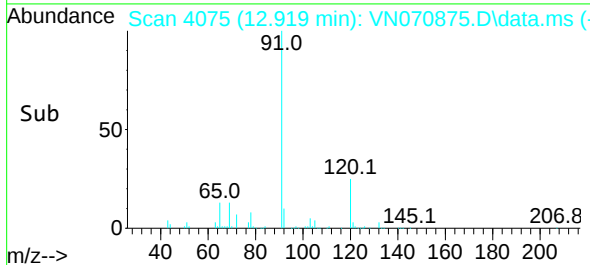
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

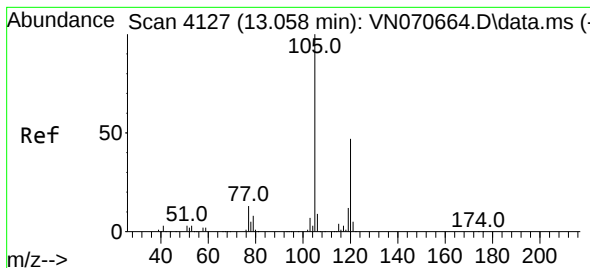


#78
n-propylbenzene
Concen: 7.647 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55



Tgt Ion: 91 Resp: 584173
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.9





#80

1,3,5-Trimethylbenzene

Concen: 56.403 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. 0.000 min

Lab File: VN070875.D

Acq: 1 Feb 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

31524

Tgt Ion:105 Resp: 311570

Ion Ratio Lower Upper

105 100

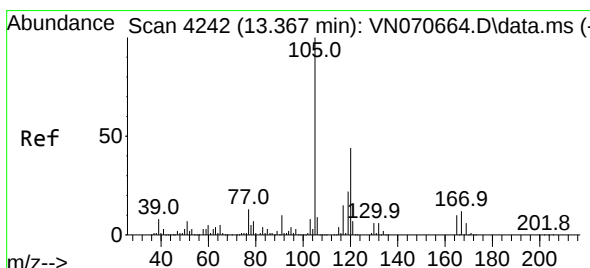
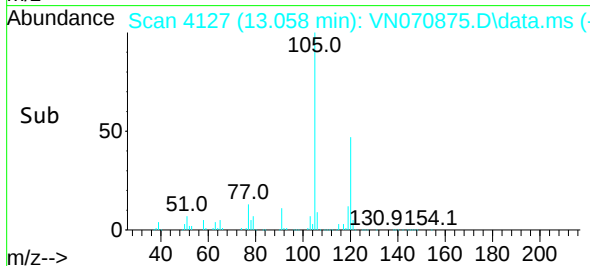
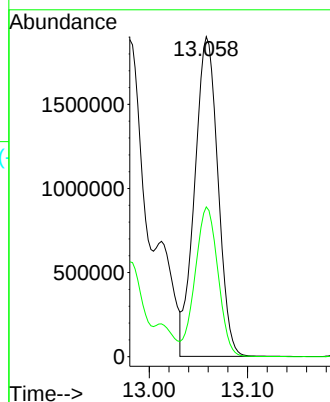
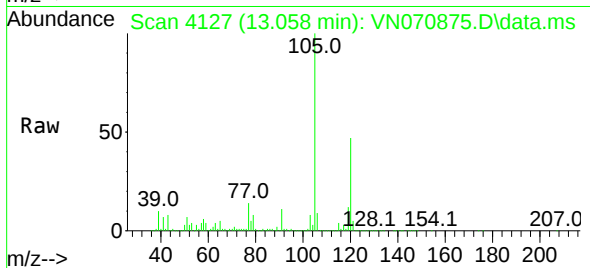
120 46.3 24.6 73.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/02/2022

Supervised By :Mahesh Dadoda 02/07/2022



#84

1,2,4-Trimethylbenzene

Concen: 108.455 ug/l

RT: 13.366 min Scan# 4242

Delta R.T. -0.001 min

Lab File: VN070875.D

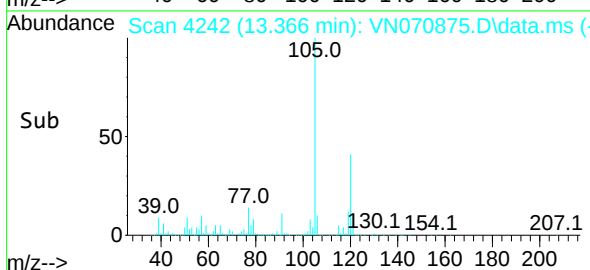
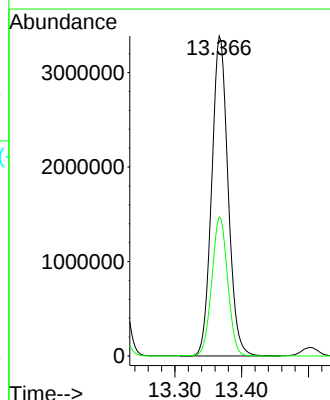
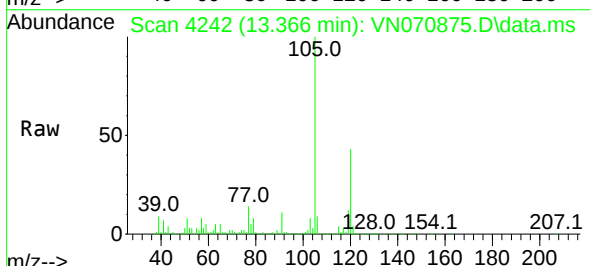
Acq: 1 Feb 2022 16:55

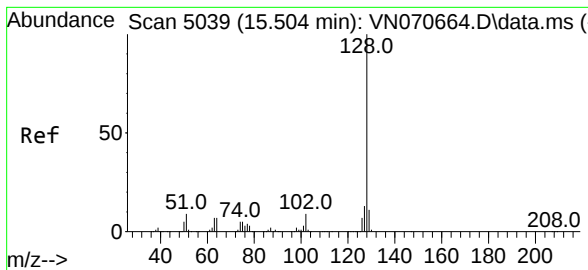
Tgt Ion:105 Resp: 5758807

Ion Ratio Lower Upper

105 100

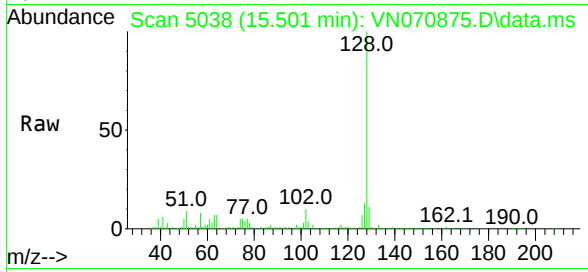
120 42.2 22.8 68.4





#95
Naphthalene
Concen: 53.165 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070875.D
Acq: 1 Feb 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :
31524



Tgt Ion:128 Resp: 2003560
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.7 13.1

Manual Integrations
APPROVED

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

