

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070885.D
 Acq On : 1 Feb 2022 21:09
 Operator : JC/MD
 Sample : N1342-23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31539

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:39:45 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	1217144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1870930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1600359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.683	152	817207	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	733633	42.057	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.120%		
35) Dibromofluoromethane	8.021	113	554901	47.814	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.620%		
50) Toluene-d8	10.440	98	2443189	49.973	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.728	95	886589	50.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.780%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.821	74	3574127	366.293	ug/l	85
11) Tert butyl alcohol	5.382	59	12510143	3975.194	ug/l #	92
16) Acetone	4.283	43	12130270	1001.912	ug/l	97
17) Carbon Disulfide	4.535	76	38199	1.045	ug/l	99
18) Methyl Acetate	4.851	43	1654559	69.489	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	2799191	58.193	ug/l #	45
20) Methylene Chloride	5.093	84	26899	1.687	ug/l #	78
25) 2-Butanone	7.332	43	8146022	534.695	ug/l	93
29) Tetrahydrofuran	7.683	42	363922	39.012	ug/l #	78
31) Cyclohexane	8.094	56	1352389	44.028	ug/l	89
39) Methylcyclohexane	9.459	83	793382	32.894	ug/l	91
40) Benzene	8.437	78	35657282m	589.007	ug/l	
43) Isopropyl Acetate	8.560	43	3788803	95.633	ug/l #	93
49) 1,4-Dioxane	9.574	88	1773589	6255.898	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	4227692	167.234	ug/l	98
52) Toluene	10.489	92	27285613m	753.493	ug/l	
67) Ethyl Benzene	11.843	91	5866533	91.258	ug/l	97
68) m/p-Xylenes	11.948	106	14085458	602.296	ug/l #	1
69) o-Xylene	12.278	106	5097620	219.647	ug/l	93
73) Isopropylbenzene	12.578	105	677676	8.766	ug/l	98
78) n-propylbenzene	12.919	91	445087	5.148	ug/l	98
80) 1,3,5-Trimethylbenzene	13.058	105	2800972	44.801	ug/l	97
84) 1,2,4-Trimethylbenzene	13.367	105	5454148	90.757	ug/l	92
85) sec-Butylbenzene	13.503	105	147176m	1.989	ug/l	
95) Naphthalene	15.501	128	1127038	28.913	ug/l #	96

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

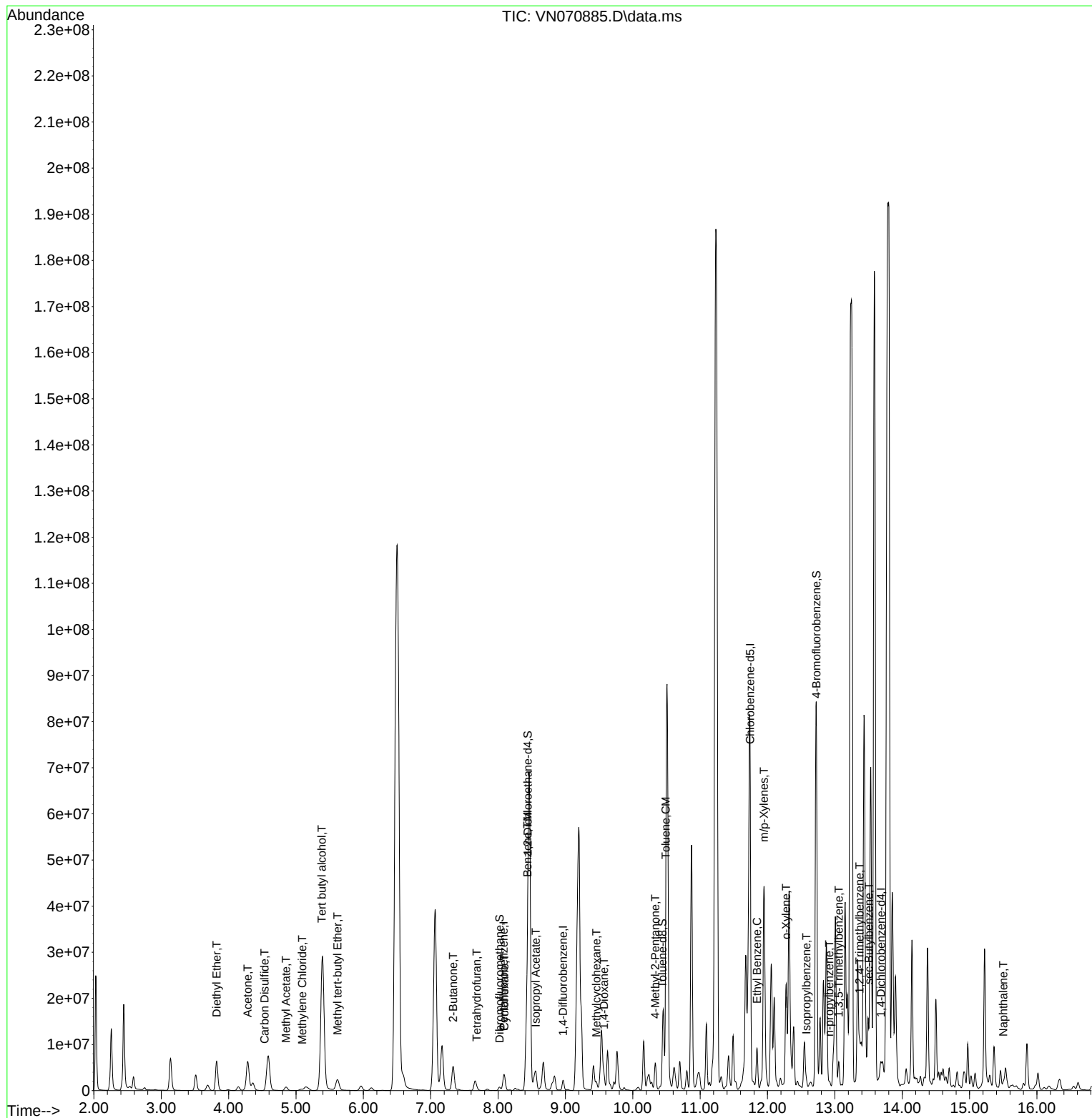
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
Data File : VN070885.D
Acq On : 1 Feb 2022 21:09
Operator : JC/MD
Sample : N1342-23
Misc : 5.00mL/MSVOA_N/WATER
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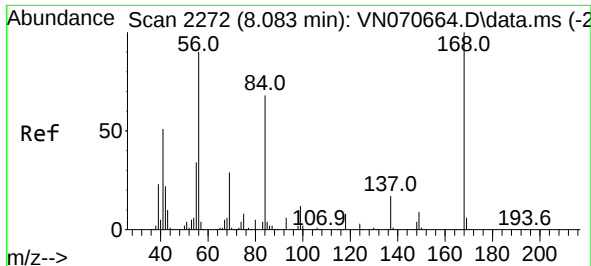
Instrument :
MSVOA_N
ClientSampleId :
31539

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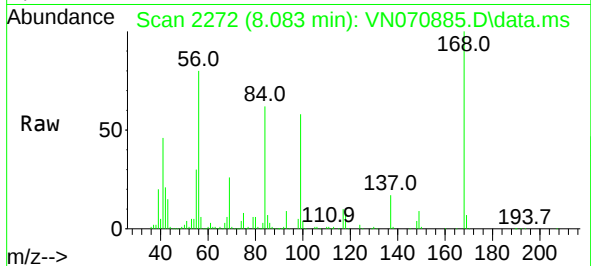
Quant Time: Feb 02 00:39:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

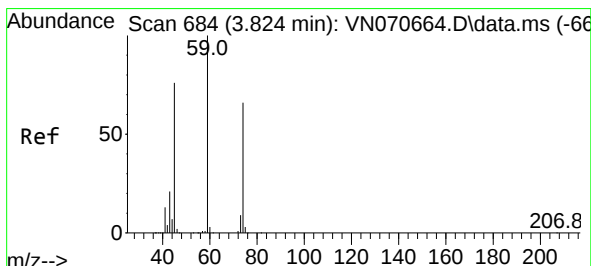
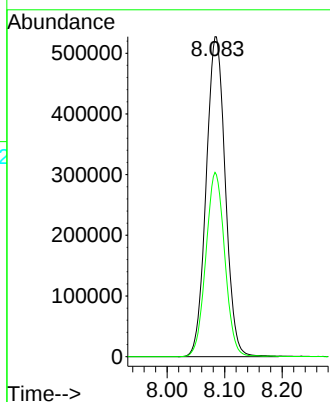
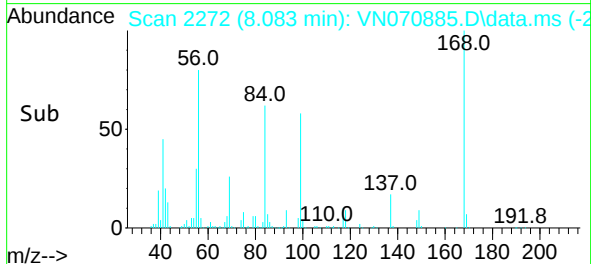
Instrument :
MSVOA_N
ClientSampleId :
31539



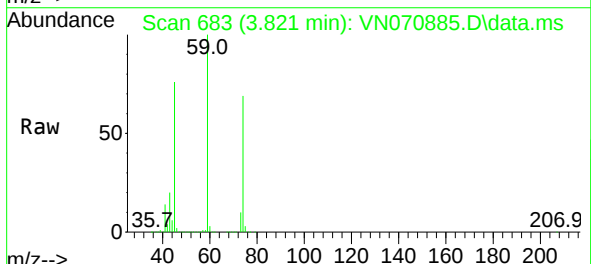
Tgt Ion:168 Resp: 1217144
Ion Ratio Lower Upper
168 100
99 57.6 41.3 61.9

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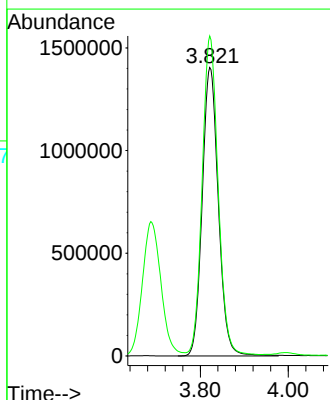
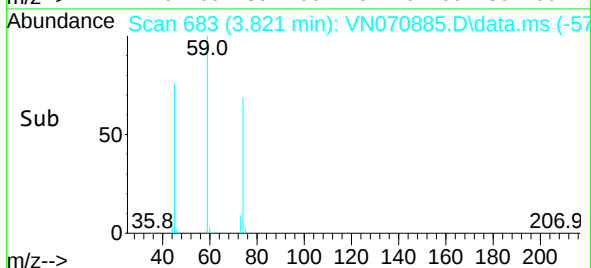
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

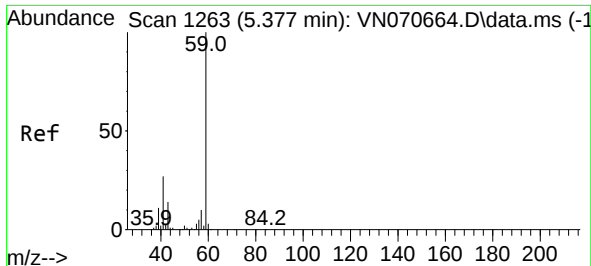


#8
Diethyl Ether
Concen: 366.293 ug/l
RT: 3.821 min Scan# 683
Delta R.T. -0.003 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09



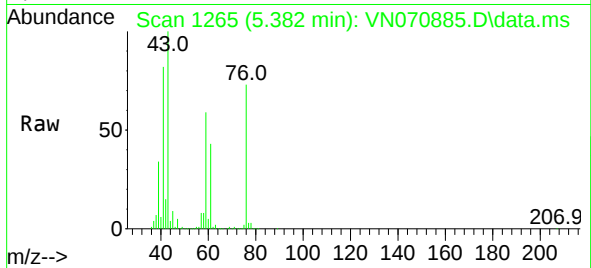
Tgt Ion: 74 Resp: 3574127
Ion Ratio Lower Upper
74 100
45 108.9 47.0 141.2





#11
Tert butyl alcohol
Concen: 3975.194 ug/l
RT: 5.382 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

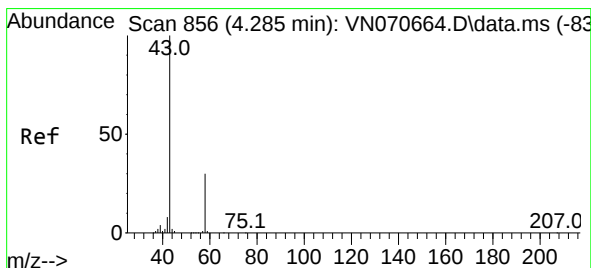
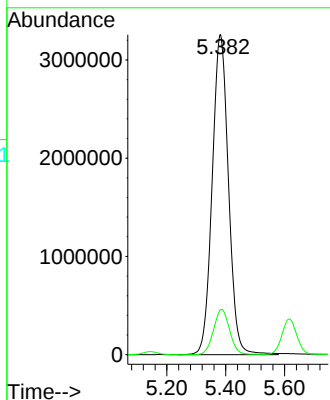
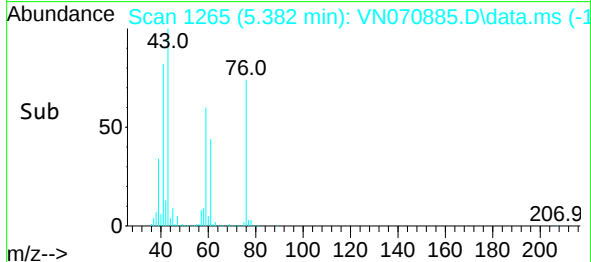
Instrument :
MSVOA_N
ClientSampleId :
31539



Tgt Ion: 59 Resp:1251014
Ion Ratio Lower Upper
59 100
57 14.0 8.7 13.1

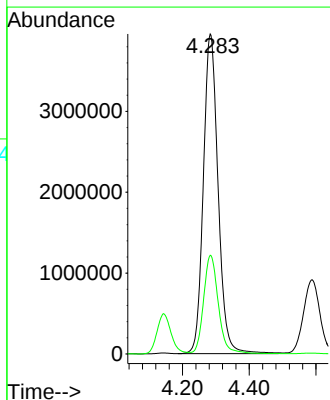
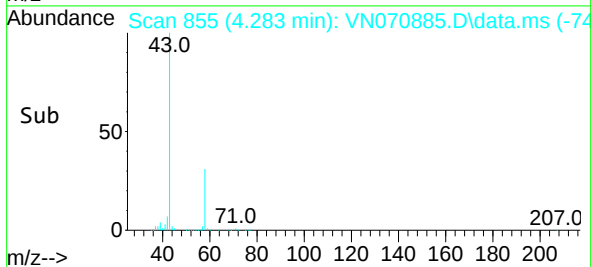
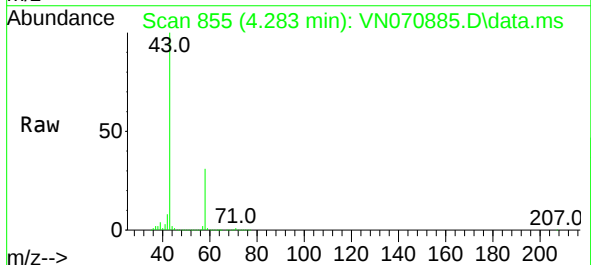
Manual Integrations
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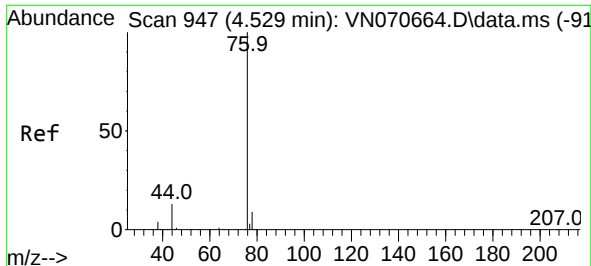
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#16
Acetone
Concen: 1001.912 ug/l
RT: 4.283 min Scan# 855
Delta R.T. -0.002 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

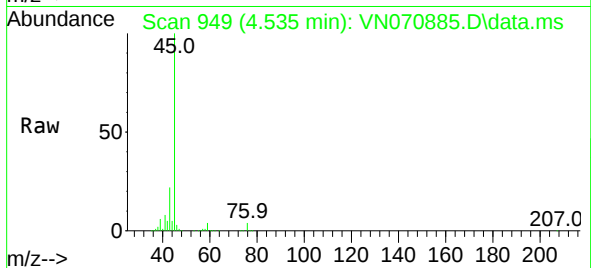
Tgt Ion: 43 Resp:12130270
Ion Ratio Lower Upper
43 100
58 30.7 23.1 34.7





#17
Carbon Disulfide
Concen: 1.045 ug/l
RT: 4.535 min Scan# 947
Delta R.T. 0.006 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

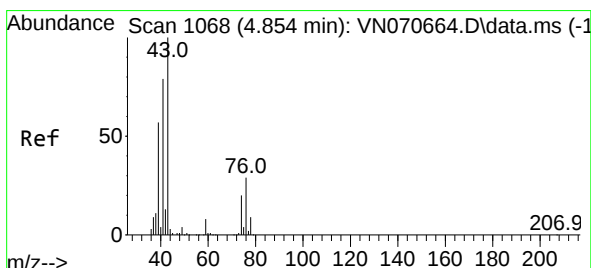
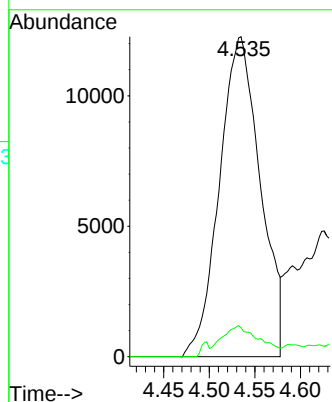
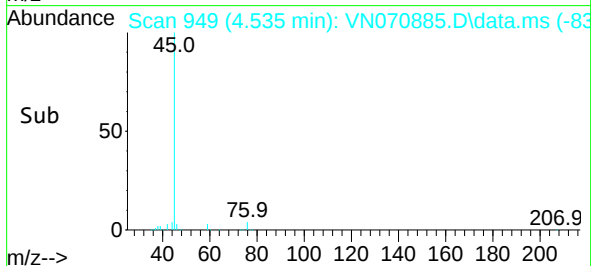
Instrument :
MSVOA_N
ClientSampleId :
31539



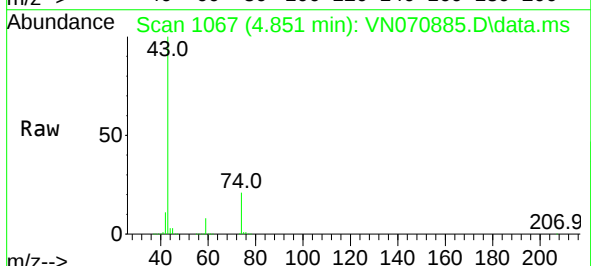
Tgt Ion: 76 Resp: 38199
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

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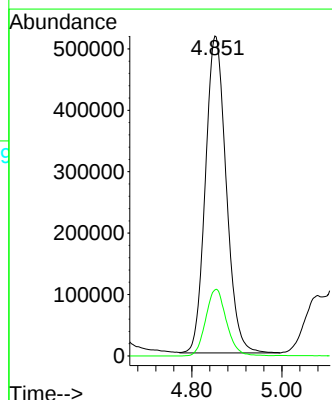
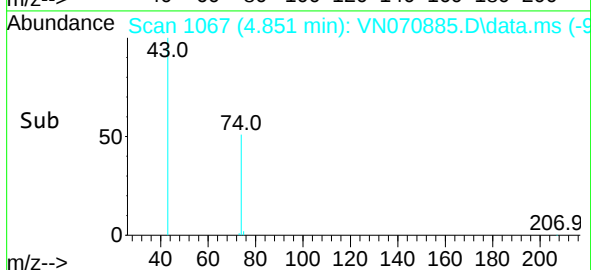
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

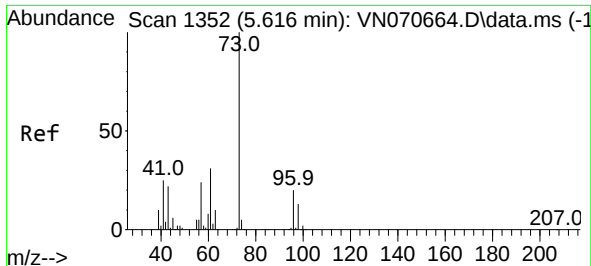


#18
Methyl Acetate
Concen: 69.489 ug/l
RT: 4.851 min Scan# 1067
Delta R.T. -0.003 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09



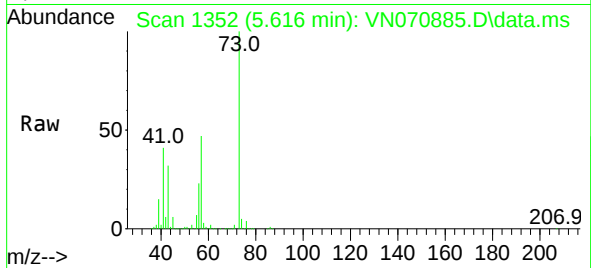
Tgt Ion: 43 Resp: 1654559
Ion Ratio Lower Upper
43 100
74 21.1 19.4 29.2





#19
Methyl tert-butyl Ether
Concen: 58.193 ug/l
RT: 5.616 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

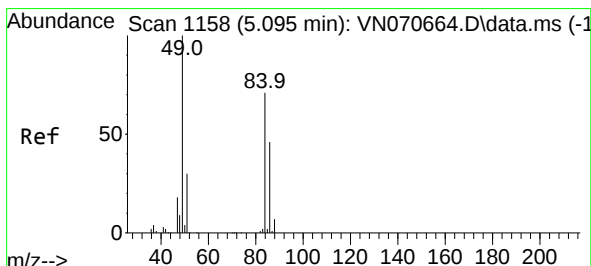
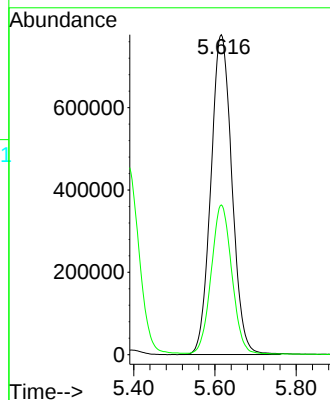
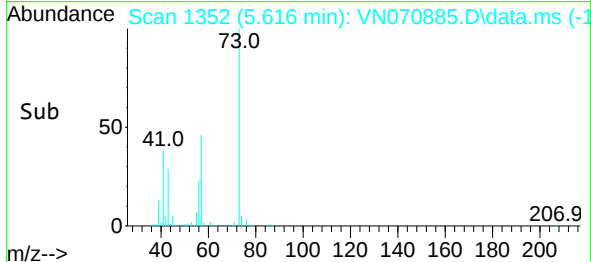
Instrument :
MSVOA_N
ClientSampleId :
31539



Tgt Ion: 73 Resp: 279919
Ion Ratio Lower Upper
73 100
57 46.6 16.8 25.2

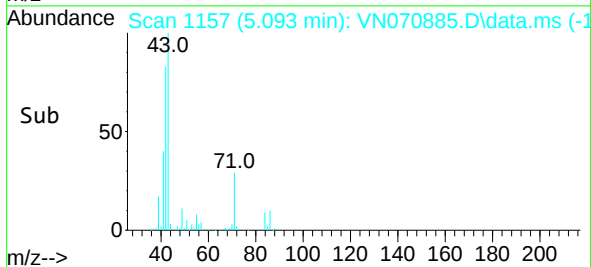
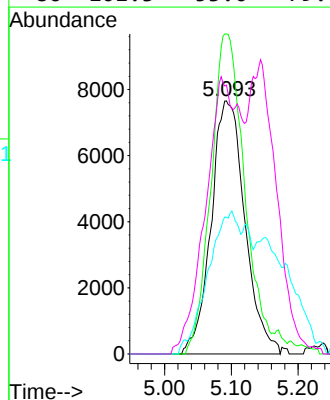
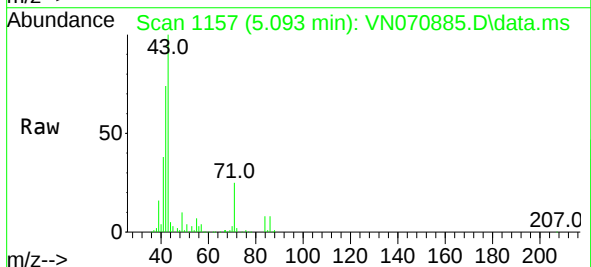
Manual Integrations
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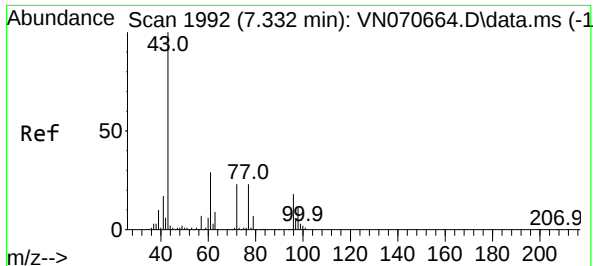
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#20
Methylene Chloride
Concen: 1.687 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

Tgt Ion: 84 Resp: 26899
Ion Ratio Lower Upper
84 100
49 126.4 93.5 140.3
51 51.7 29.4 44.2#
86 101.3 53.0 79.4#





#25

2-Butanone

Concen: 534.695 ug/l

RT: 7.332 min Scan# 1992

Delta R.T. 0.000 min

Lab File: VN070885.D

Acq: 1 Feb 2022 21:09

Instrument :

MSVOA_N

ClientSampleId :

31539

Tgt Ion: 43 Resp: 814602

Ion Ratio Lower Upper

43 100

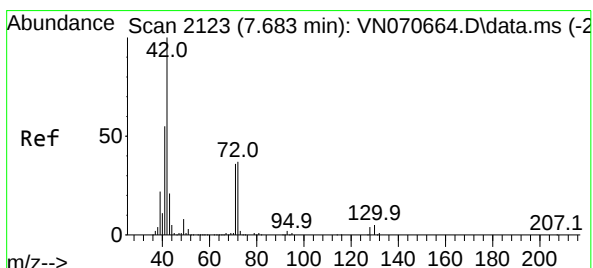
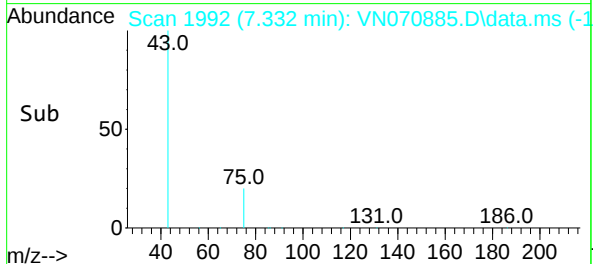
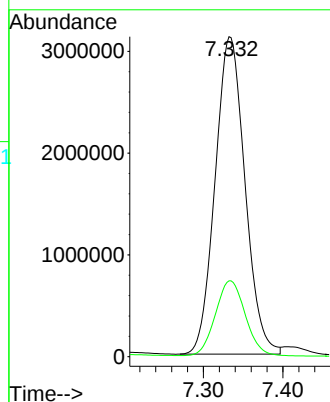
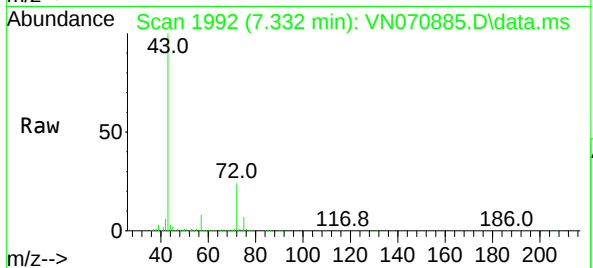
72 23.6 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/02/2022

Supervised By :Mahesh Dadoda 02/07/2022



#29

Tetrahydrofuran

Concen: 39.012 ug/l

RT: 7.683 min Scan# 2123

Delta R.T. 0.000 min

Lab File: VN070885.D

Acq: 1 Feb 2022 21:09

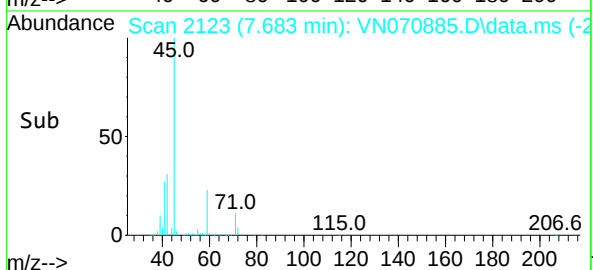
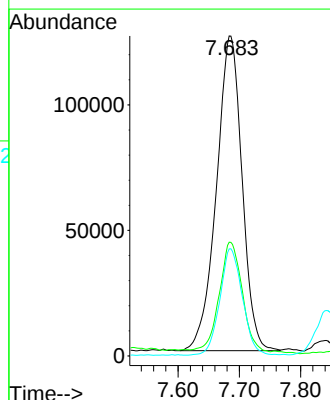
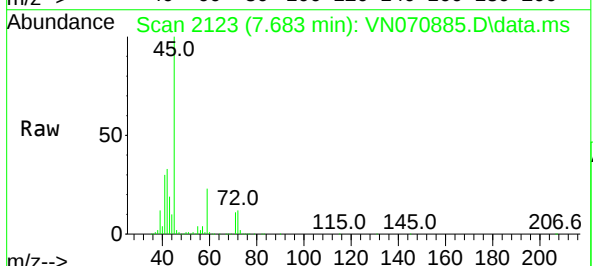
Tgt Ion: 42 Resp: 363922

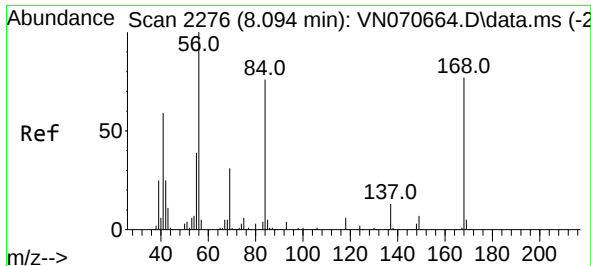
Ion Ratio Lower Upper

42 100

72 30.8 36.3 54.5#

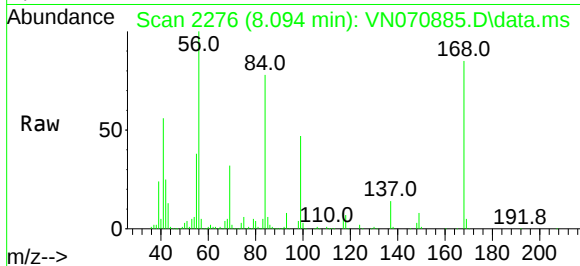
71 29.8 34.7 52.1#





#31
Cyclohexane
Concen: 44.028 ug/l
RT: 8.094 min Scan# 21539
Delta R.T. -0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

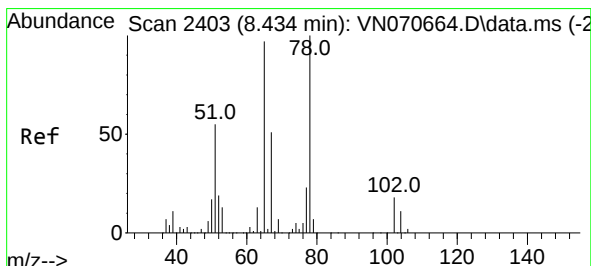
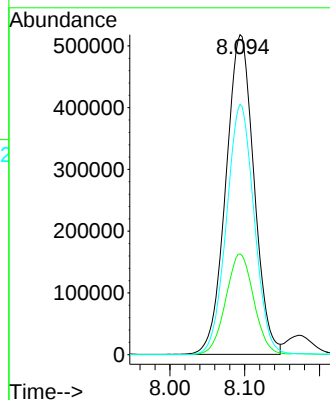
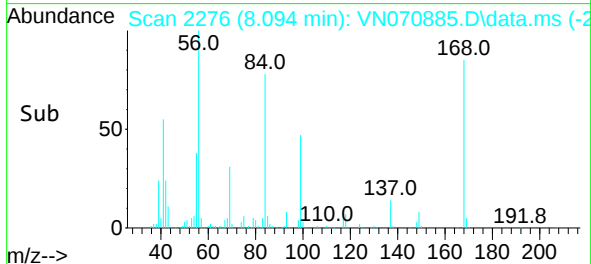
Instrument :
MSVOA_N
ClientSampleId :
31539



Tgt Ion: 56 Resp: 1352389
Ion Ratio Lower Upper
56 100
69 31.5 27.1 40.7
84 78.3 73.4 110.0

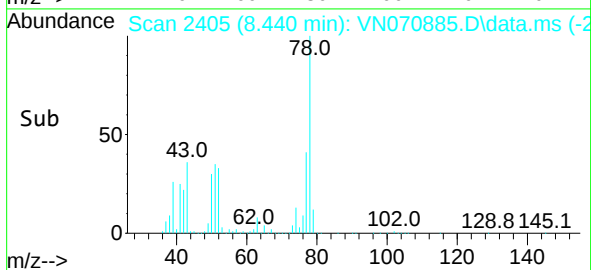
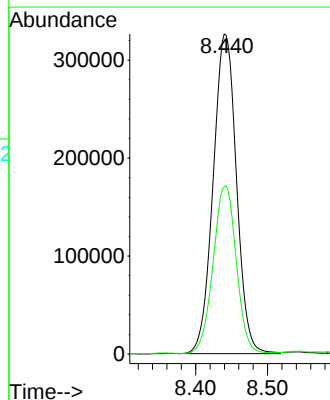
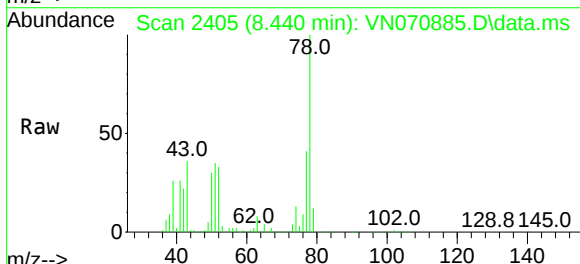
Manual Integrations
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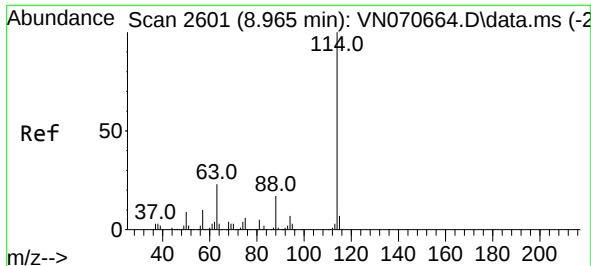
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#33
1,2-Dichloroethane-d4
Concen: 42.057 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.006 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

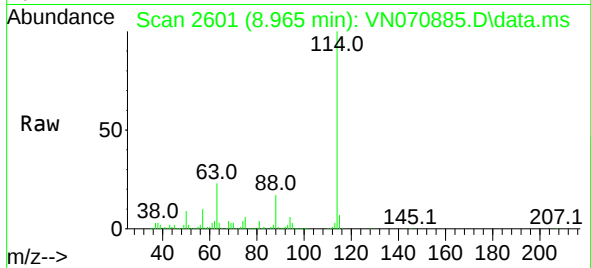
Tgt Ion: 65 Resp: 733633
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. 0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

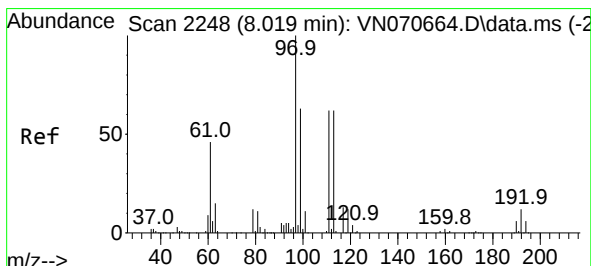
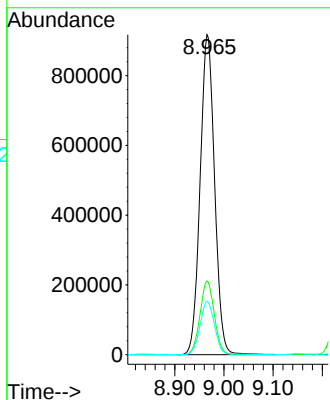
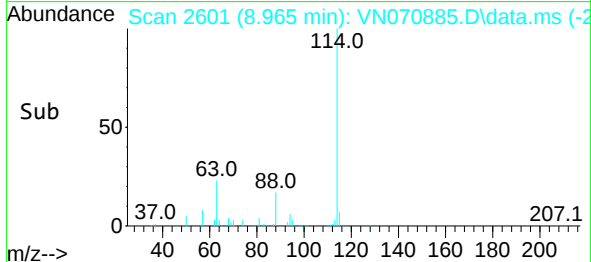
Instrument :
MSVOA_N
ClientSampleId :
31539



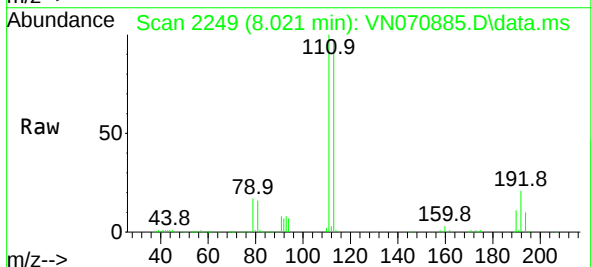
Tgt Ion:114 Resp: 1870930
Ion Ratio Lower Upper
114 100
63 23.0 0.0 37.8
88 16.7 0.0 27.4

Manual Integrations
APPROVED

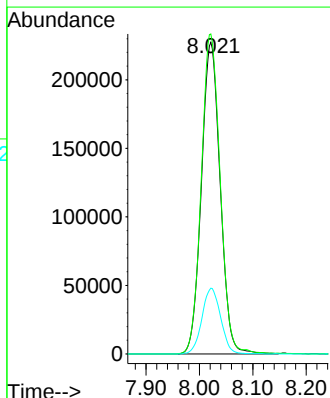
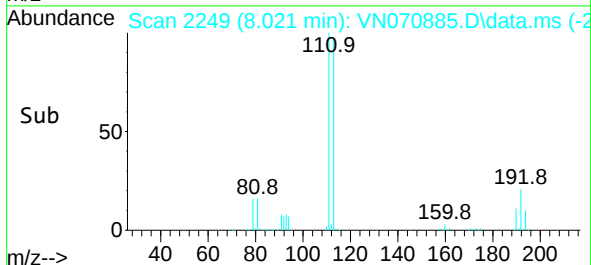
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

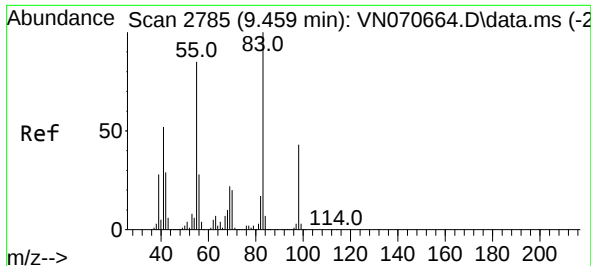


#35
Dibromofluoromethane
Concen: 47.814 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09



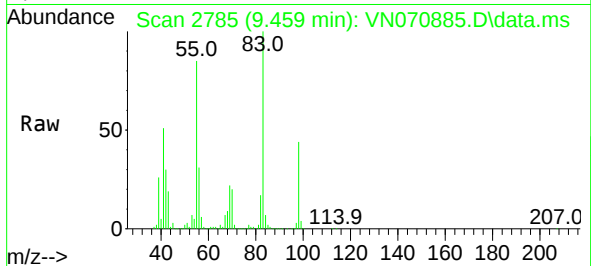
Tgt Ion:113 Resp: 554901
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 21.0 16.9 25.3





#39
Methylcyclohexane
Concen: 32.894 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

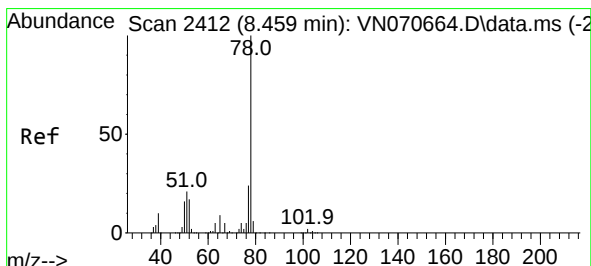
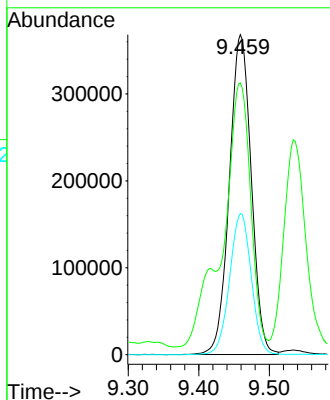
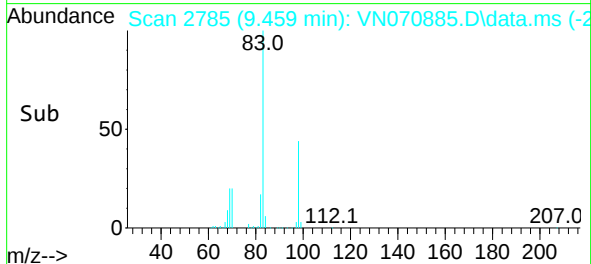
Instrument :
MSVOA_N
ClientSampleId :
31539



Tgt Ion: 83 Resp: 79338
Ion Ratio Lower Upper
83 100
55 82.5 58.1 87.1
98 44.1 38.4 57.6

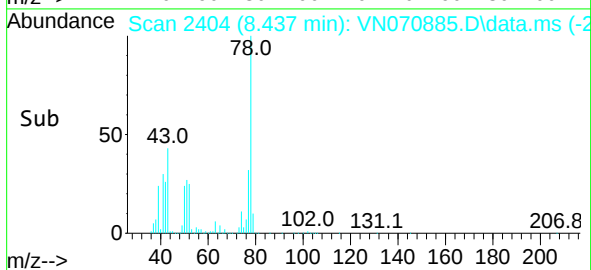
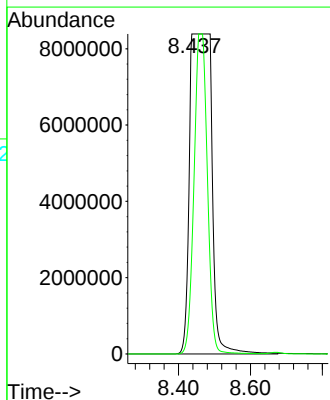
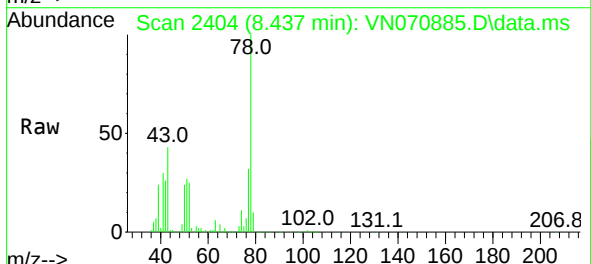
Manual Integrations
APPROVED

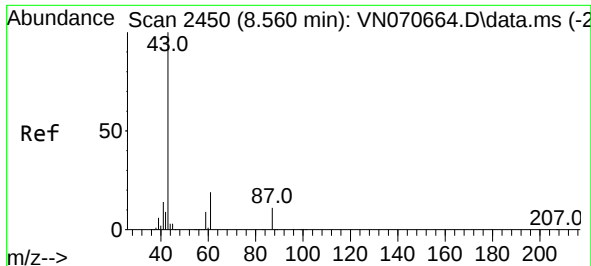
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#40
Benzene
Concen: 589.007 ug/l m
RT: 8.437 min Scan# 2404
Delta R.T. -0.022 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

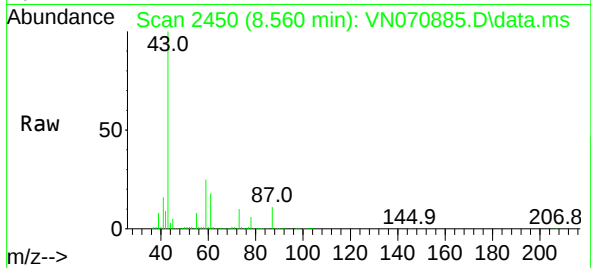
Tgt Ion: 78 Resp:35657282
Ion Ratio Lower Upper
78 100
77 31.8 18.6 27.8#





#43
Isopropyl Acetate
Concen: 95.633 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

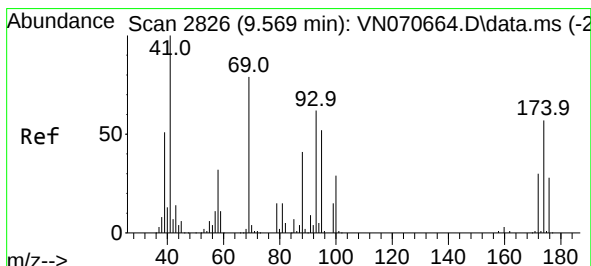
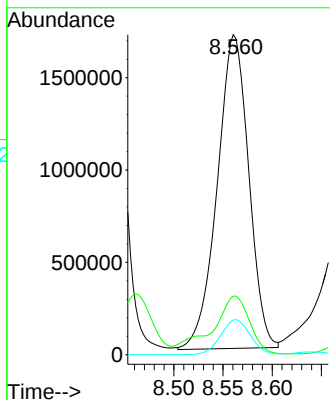
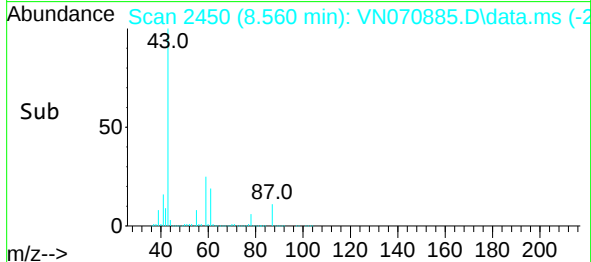
Instrument :
MSVOA_N
ClientSampleId :
31539



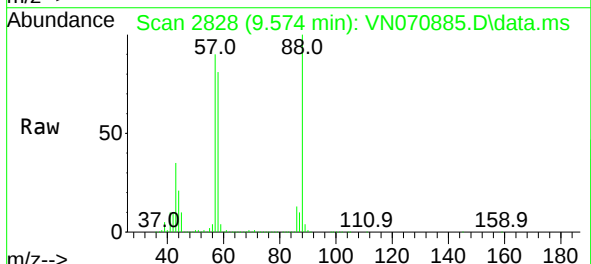
Tgt Ion: 43 Resp: 378880
Ion Ratio Lower Upper
43 100
61 22.8 20.4 30.6
87 10.5 11.2 16.8

Manual Integrations
APPROVED

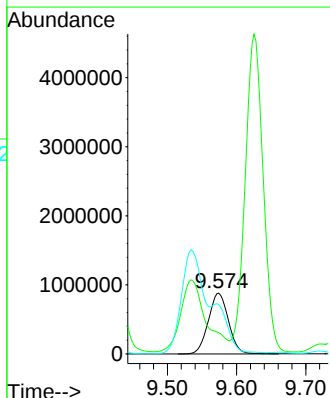
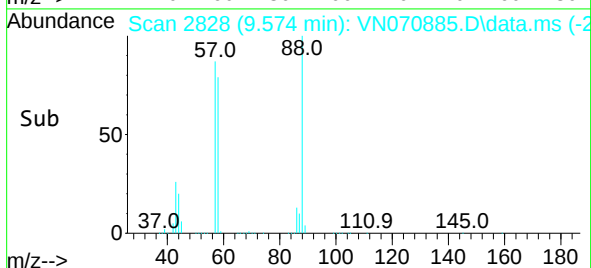
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

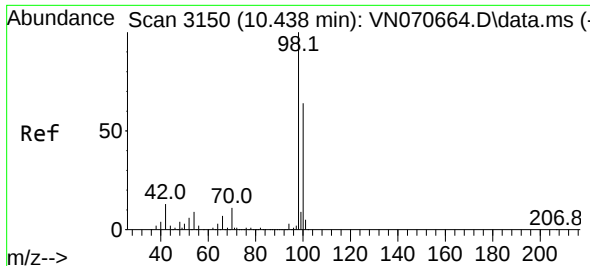


#49
1,4-Dioxane
Concen: 6255.898 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.005 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09



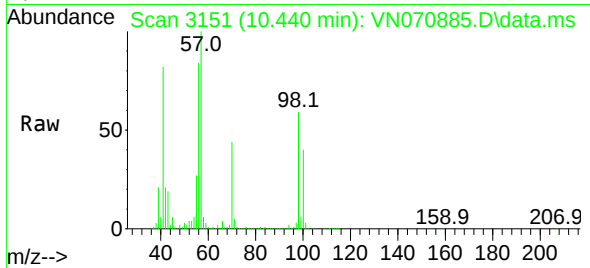
Tgt Ion: 88 Resp: 1773589
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#





#50
Toluene-d8
Concen: 49.973 ug/l
RT: 10.440 min Scan# 3150
Delta R.T. 0.002 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

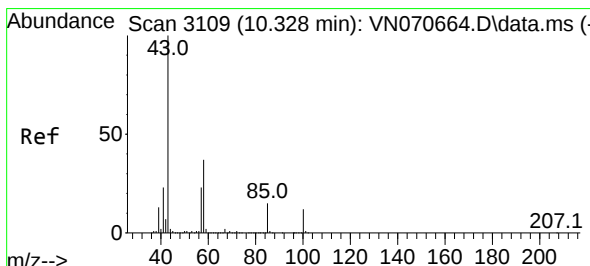
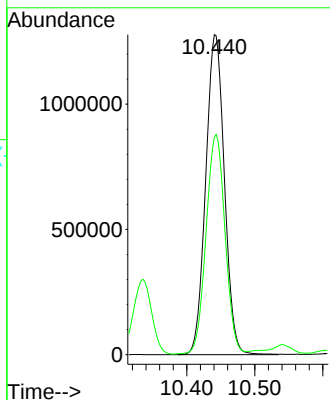
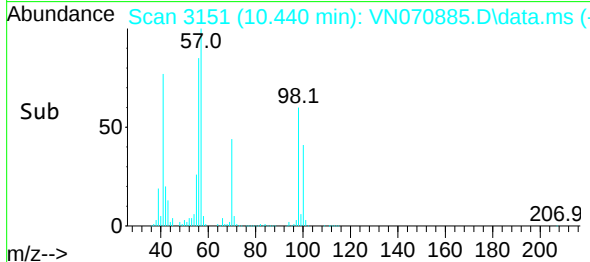
Instrument :
MSVOA_N
ClientSampleId :
31539



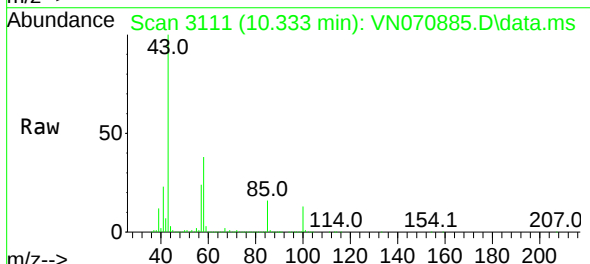
Tgt Ion: 98 Resp: 2443189
Ion Ratio Lower Upper
98 100
100 69.6 50.4 75.6

Manual Integrations
APPROVED

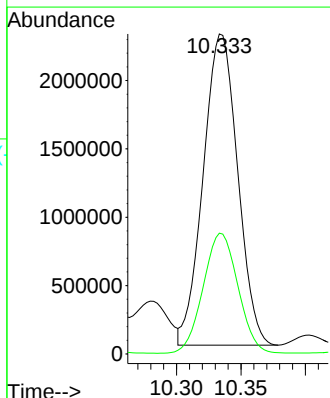
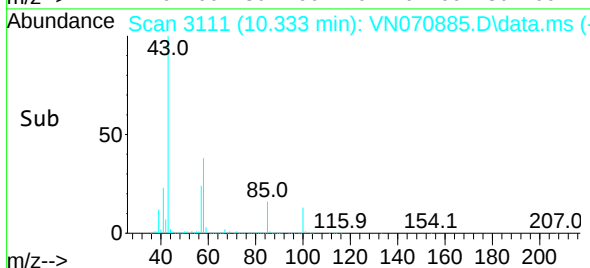
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

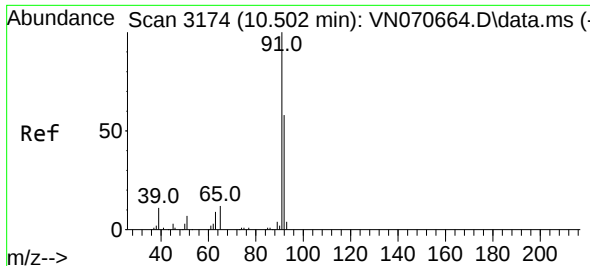


#51
4-Methyl-2-Pentanone
Concen: 167.234 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09



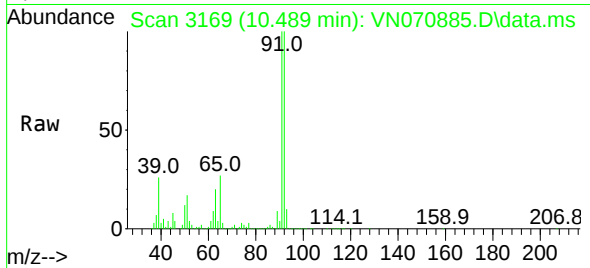
Tgt Ion: 43 Resp: 4227692
Ion Ratio Lower Upper
43 100
58 39.0 30.4 45.6





#52
Toluene
Concen: 753.493 ug/l m
RT: 10.489 min Scan# 3174
Delta R.T. -0.013 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

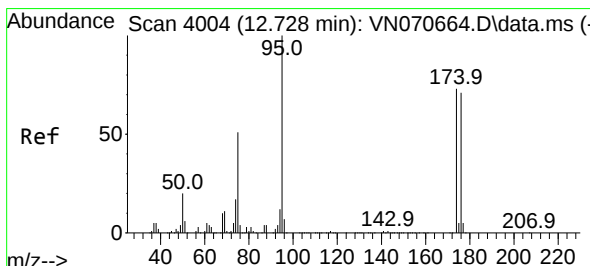
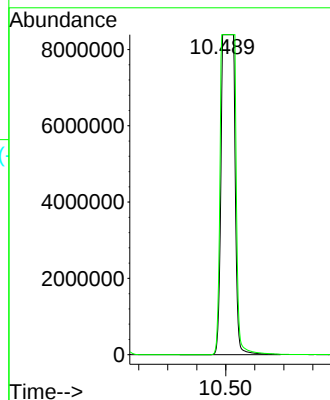
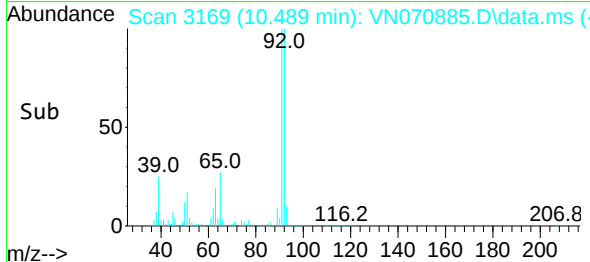
Instrument :
MSVOA_N
ClientSampleId :
31539



Tgt Ion: 92 Resp: 2728561
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0

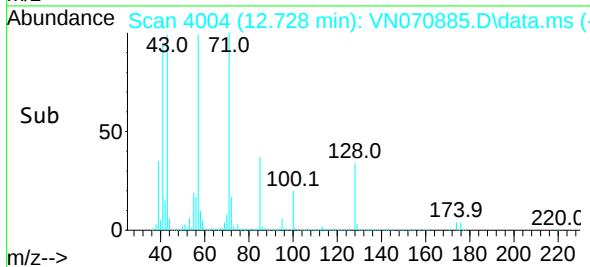
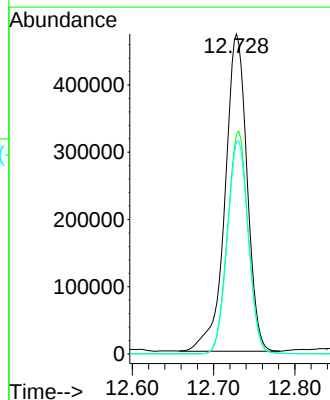
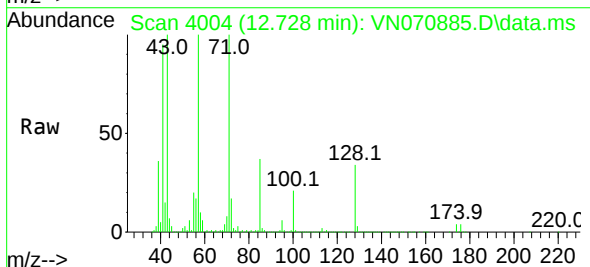
Manual Integrations
APPROVED

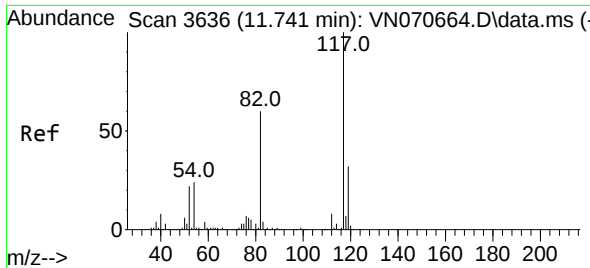
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#62
4-Bromofluorobenzene
Concen: 50.889 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

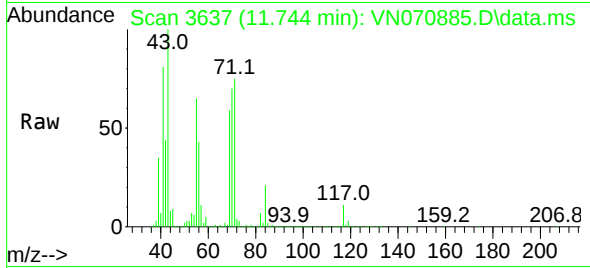
Tgt Ion: 95 Resp: 886589
Ion Ratio Lower Upper
95 100
174 66.1 0.0 187.2
176 64.0 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. 0.003 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

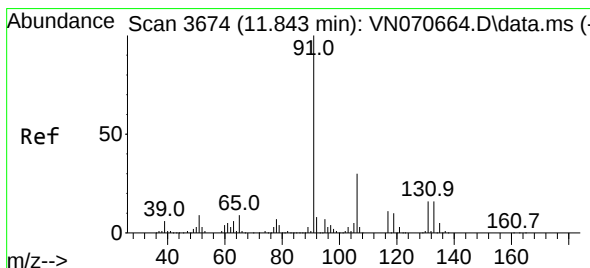
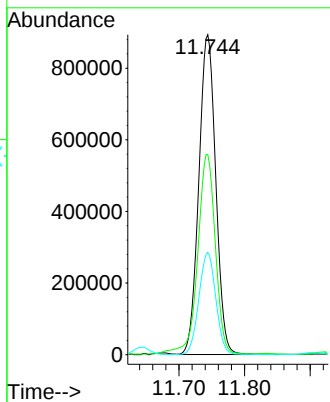
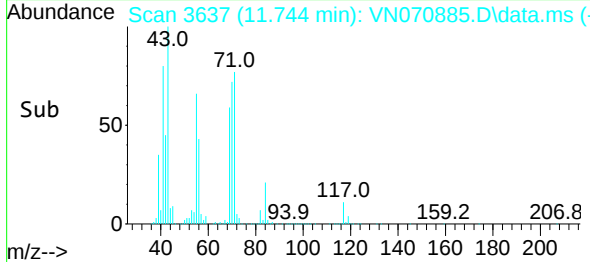
Instrument :
MSVOA_N
ClientSampleId :
31539



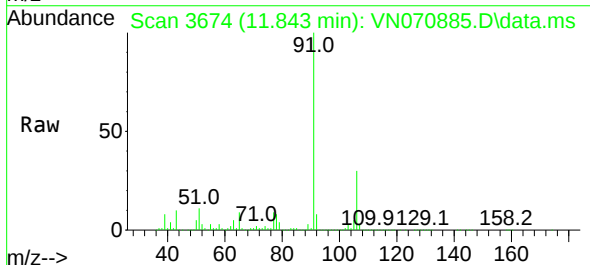
Tgt Ion:117 Resp: 1600359
Ion Ratio Lower Upper
117 100
82 62.3 42.4 63.6
119 31.9 25.4 38.2

Manual Integrations
APPROVED

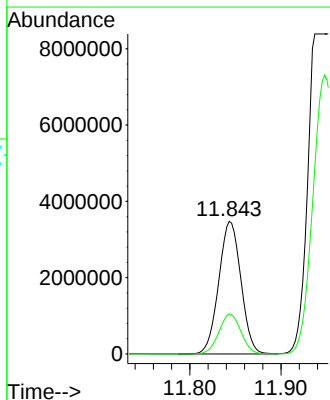
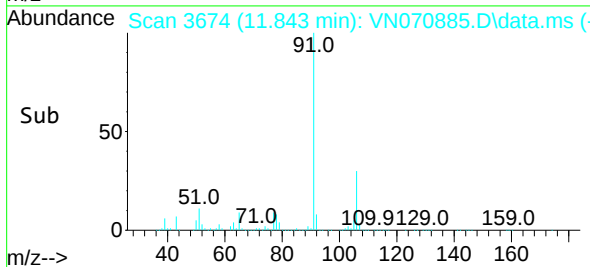
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

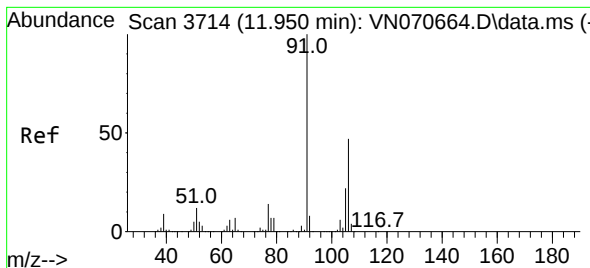


#67
Ethyl Benzene
Concen: 91.258 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09



Tgt Ion: 91 Resp: 5866533
Ion Ratio Lower Upper
91 100
106 30.2 25.7 38.5





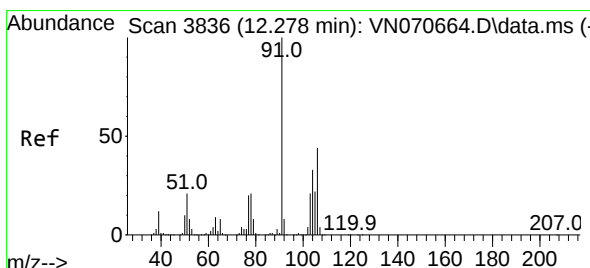
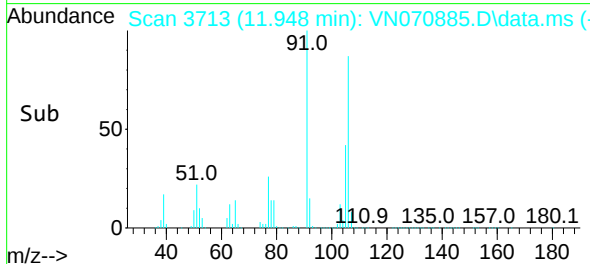
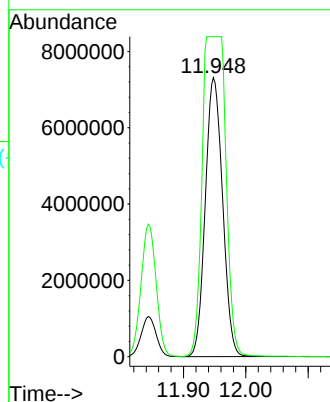
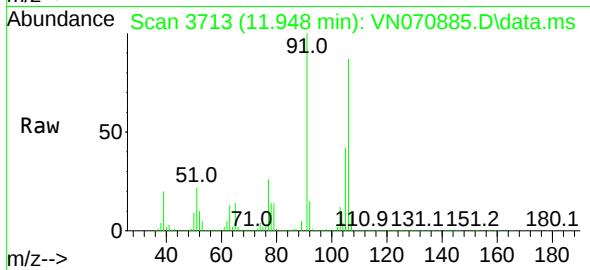
#68
m/p-Xylenes
Concen: 602.296 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.002 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

Instrument :
MSVOA_N
ClientSampleId :
31539

Tgt Ion:106 Resp:14085458
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8

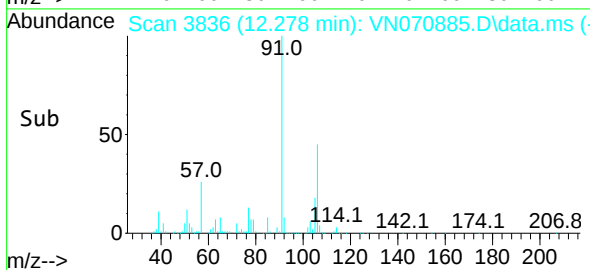
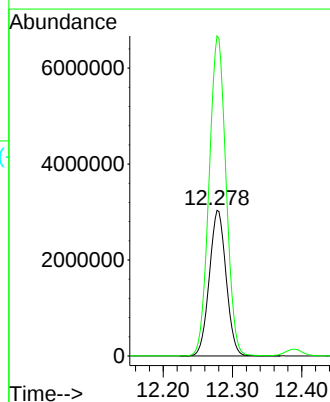
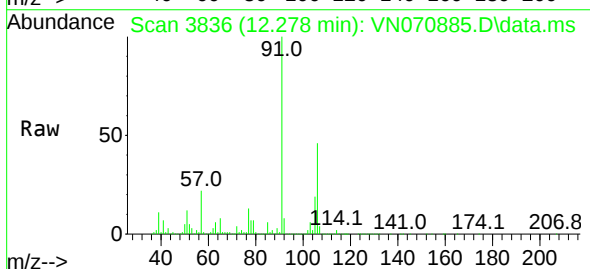
Manual Integrations
APPROVED

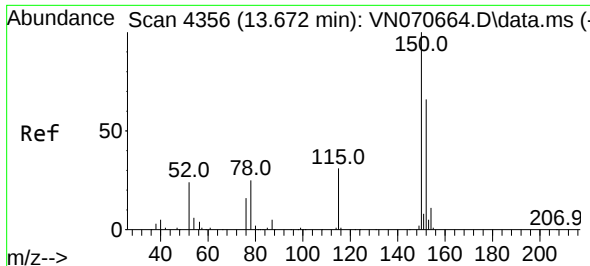
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#69
o-Xylene
Concen: 219.647 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

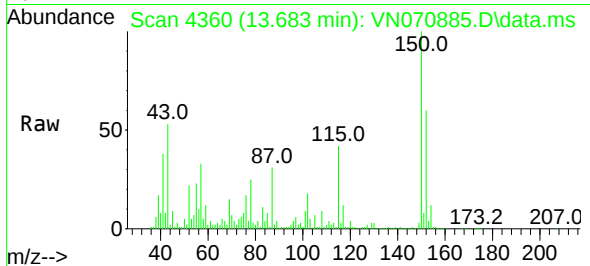
Tgt Ion:106 Resp: 5097620
Ion Ratio Lower Upper
106 100
91 222.4 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.683 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

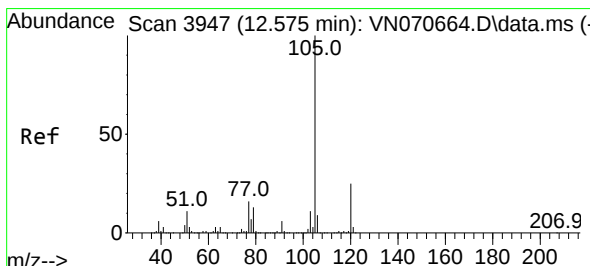
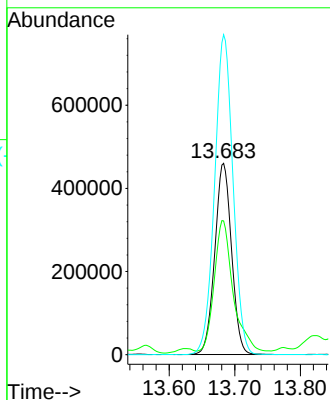
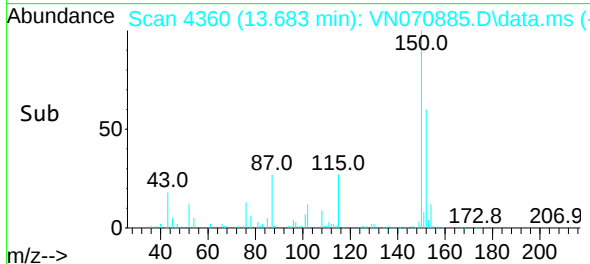
Instrument :
MSVOA_N
ClientSampleId :
31539



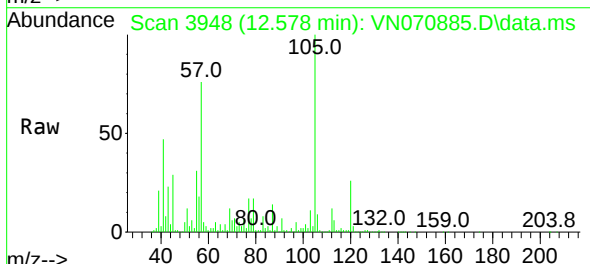
Tgt Ion:152 Resp: 81720
Ion Ratio Lower Upper
152 100
115 76.5 27.5 82.5
150 183.3 0.0 344.4

Manual Integrations
APPROVED

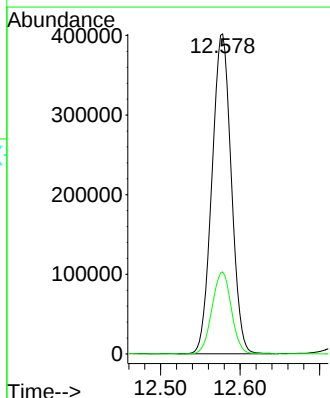
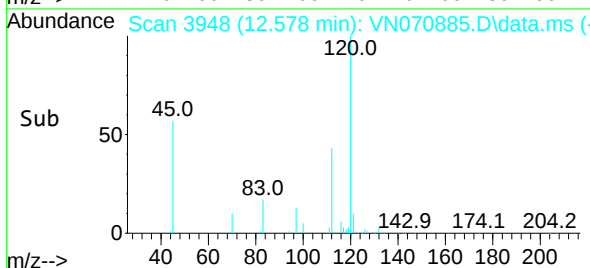
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

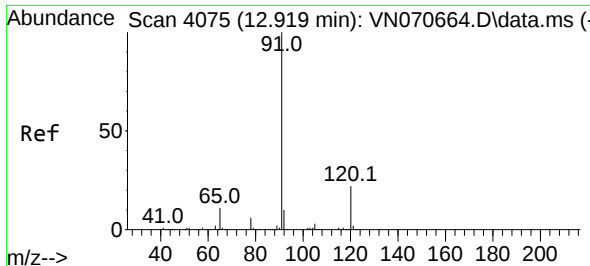


#73
Isopropylbenzene
Concen: 8.766 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09



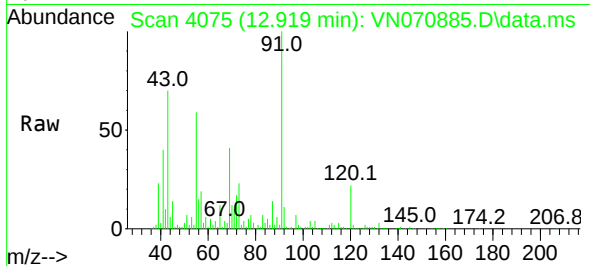
Tgt Ion:105 Resp: 677676
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1





#78
n-propylbenzene
Concen: 5.148 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

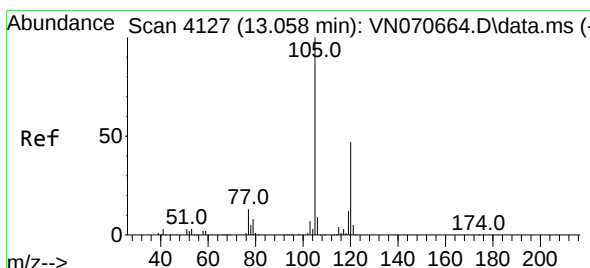
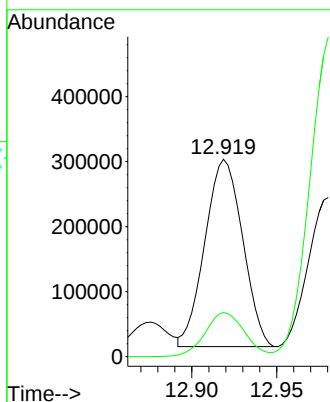
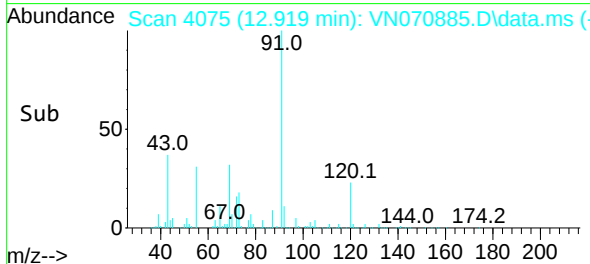
Instrument :
MSVOA_N
ClientSampleId :
31539



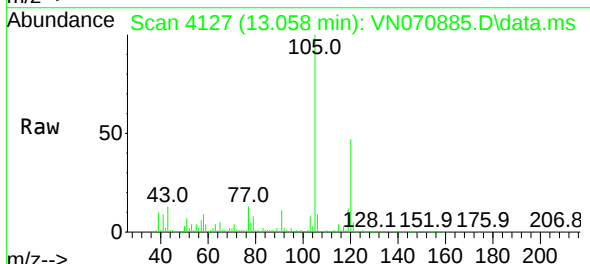
Tgt Ion: 91 Resp: 44508
Ion Ratio Lower Upper
91 100
120 24.7 11.9 35.9

Manual Integrations
APPROVED

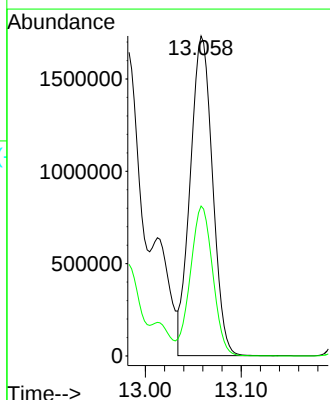
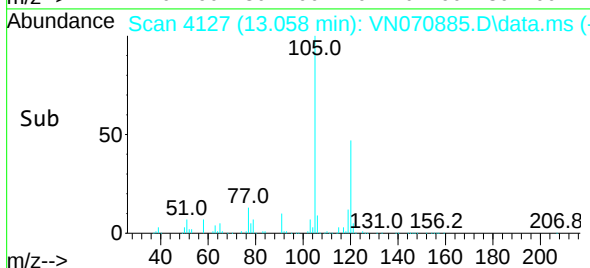
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

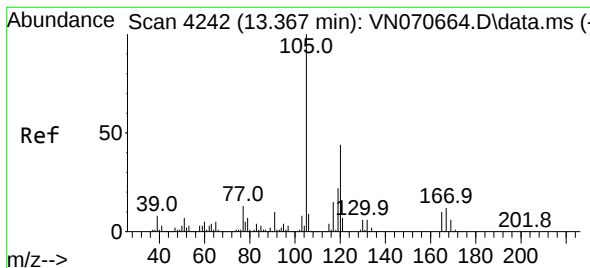


#80
1,3,5-Trimethylbenzene
Concen: 44.801 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09



Tgt Ion:105 Resp: 2800972
Ion Ratio Lower Upper
105 100
120 47.2 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 90.757 ug/l

RT: 13.367 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN070885.D

Acq: 1 Feb 2022 21:09

Instrument :

MSVOA_N

ClientSampleId :

31539

Tgt Ion:105 Resp: 545414

Ion Ratio Lower Upper

105 100

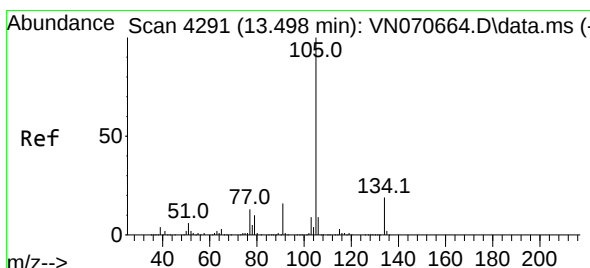
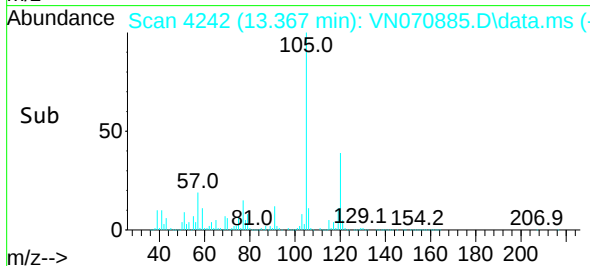
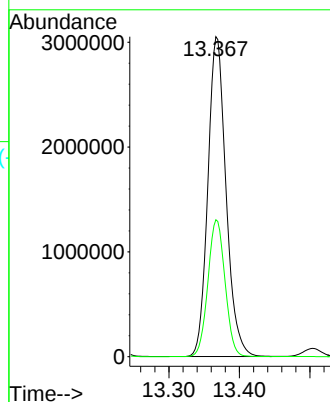
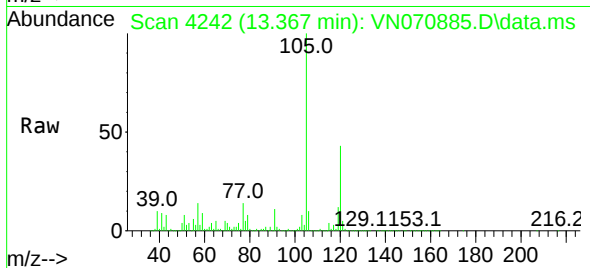
120 40.4 22.8 68.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/02/2022

Supervised By :Mahesh Dadoda 02/07/2022



#85

sec-Butylbenzene

Concen: 1.989 ug/l m

RT: 13.503 min Scan# 4293

Delta R.T. 0.005 min

Lab File: VN070885.D

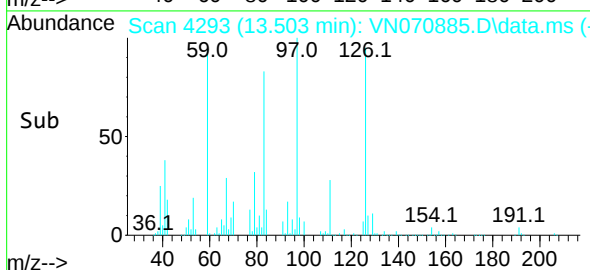
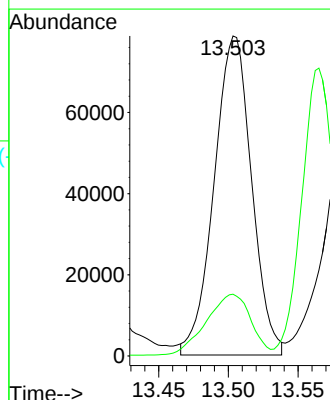
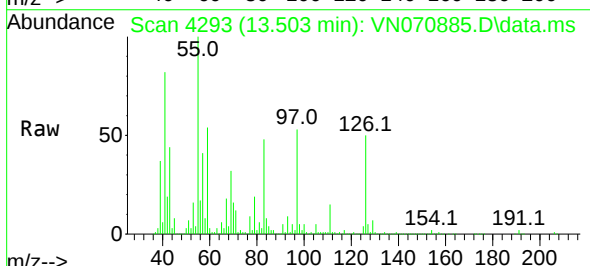
Acq: 1 Feb 2022 21:09

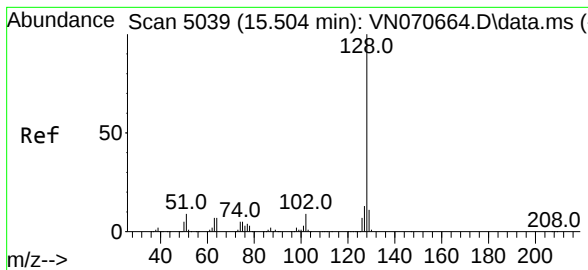
Tgt Ion:105 Resp: 147176

Ion Ratio Lower Upper

105 100

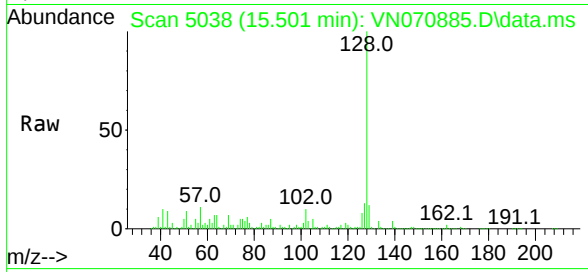
134 0.0 10.4 31.1#





#95
Naphthalene
Concen: 28.913 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070885.D
Acq: 1 Feb 2022 21:09

Instrument :
MSVOA_N
ClientSampleId :
31539



Tgt Ion:128 Resp: 1127038
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 8.3 8.7 13.1

Manual Integrations
APPROVED

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

