

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070880.D
 Acq On : 1 Feb 2022 19:02
 Operator : JC/MD
 Sample : N1342-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31534

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:38:13 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	1310657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1942322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1764952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	886382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	737933	39.286	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	78.580%		
35) Dibromofluoromethane	8.021	113	559527	46.441	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.880%		
50) Toluene-d8	10.440	98	2383156	46.953	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.900%		
62) 4-Bromofluorobenzene	12.728	95	913385	50.500	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.000%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.821	74	6795257	646.722	ug/l	84
11) Tert butyl alcohol	5.372	59	2385009	703.783	ug/l	98
16) Acetone	4.283	43	12613464	967.489	ug/l	96
18) Methyl Acetate	4.851	43	2595151	101.216	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	2407633	46.481	ug/l #	73
20) Methylene Chloride	5.093	84	28774	1.676	ug/l #	91
25) 2-Butanone	7.335	43	2425487	147.847	ug/l	94
29) Tetrahydrofuran	7.686	42	79170	7.881	ug/l #	83
39) Methylcyclohexane	9.459	83	545633	21.790	ug/l	90
40) Benzene	8.445	78	27705880m	440.840	ug/l	
43) Isopropyl Acetate	8.560	43	388503	9.446	ug/l #	81
51) 4-Methyl-2-Pentanone	10.331	43	449814	17.139	ug/l	98
52) Toluene	10.491	92	25307509m	673.180	ug/l	
67) Ethyl Benzene	11.843	91	7661157	108.060	ug/l	98
68) m/p-Xylenes	11.940	106	19750898m	765.792	ug/l	
69) o-Xylene	12.278	106	8754488	342.036	ug/l #	1
73) Isopropylbenzene	12.575	105	1933667	23.059	ug/l	98
78) n-propylbenzene	12.919	91	1535846	16.377	ug/l	97
80) 1,3,5-Trimethylbenzene	13.058	105	8466017	124.844	ug/l	97
84) 1,2,4-Trimethylbenzene	13.367	105	13334856	204.574	ug/l	99
85) sec-Butylbenzene	13.501	105	473598	5.901	ug/l	82
86) p-Isopropyltoluene	13.613	119	505748	8.022	ug/l	97
89) n-Butylbenzene	13.940	91	153367	2.949	ug/l #	77
95) Naphthalene	15.501	128	194321	8.758	ug/l #	94

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

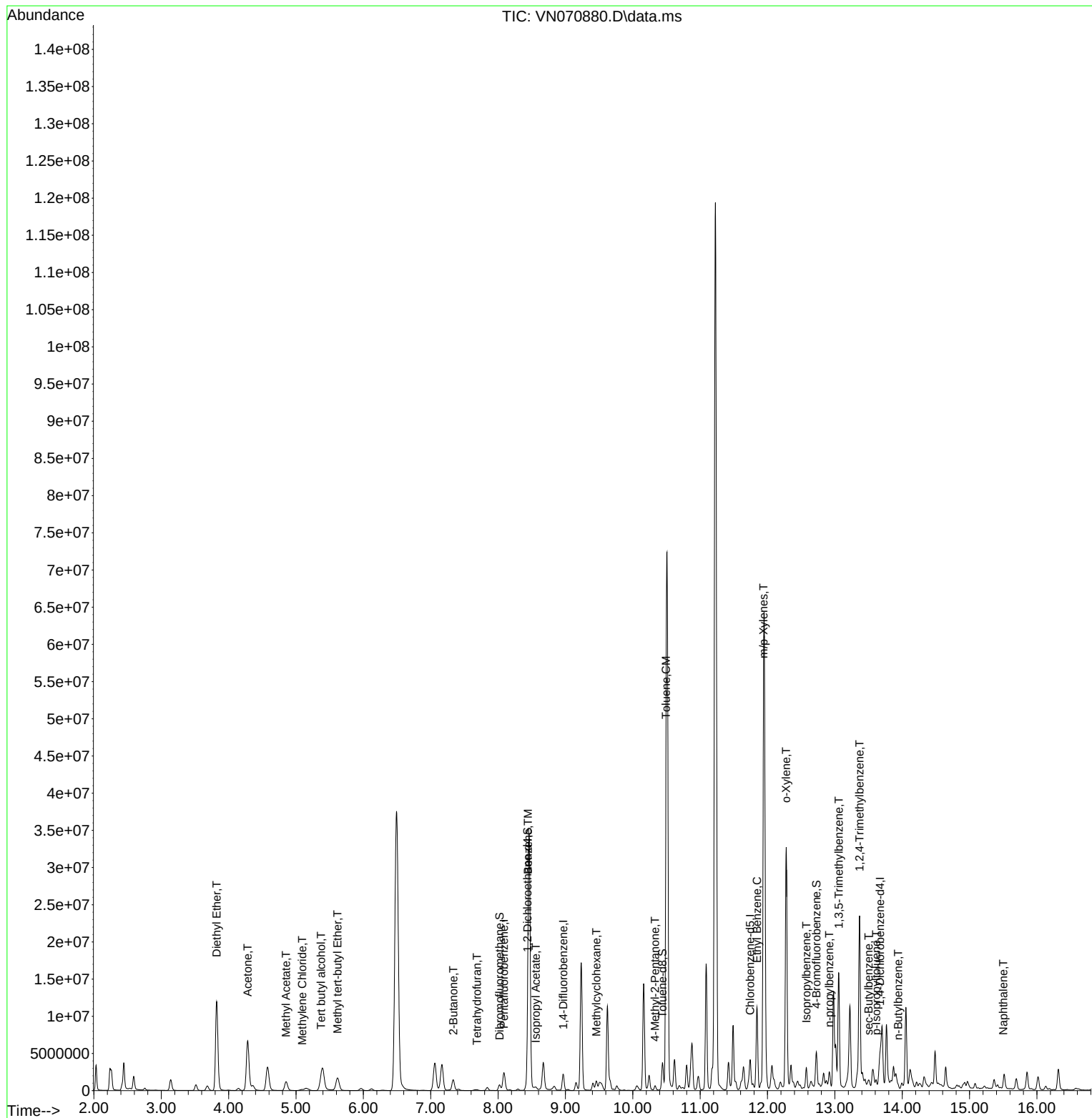
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
Data File : VN070880.D
Acq On : 1 Feb 2022 19:02
Operator : JC/MD
Sample : N1342-13
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

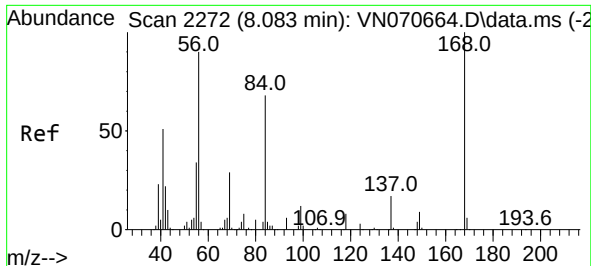
Instrument :
MSVOA_N
ClientSampleId :
31534

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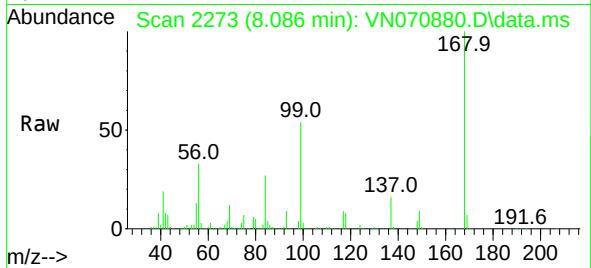
Quant Time: Feb 02 00:38:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

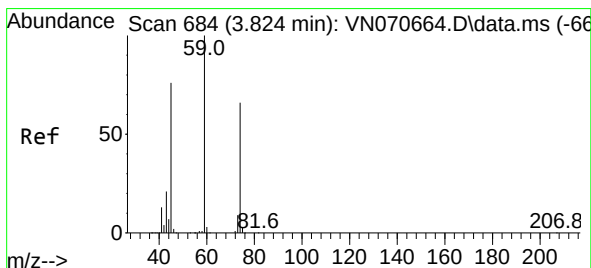
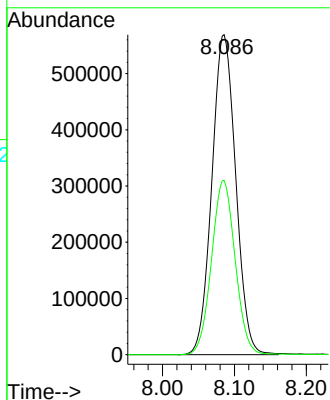
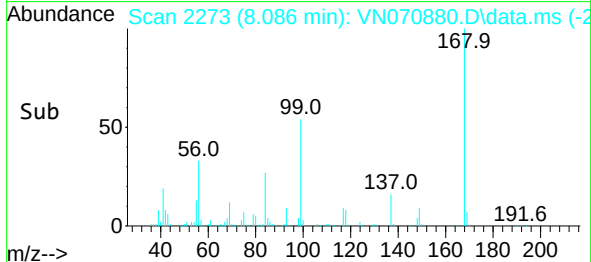
Instrument :
MSVOA_N
ClientSampleId :
31534



Tgt Ion:168 Resp: 131065
Ion Ratio Lower Upper
168 100
99 54.5 41.3 61.9

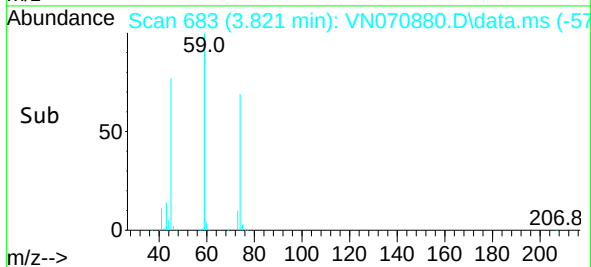
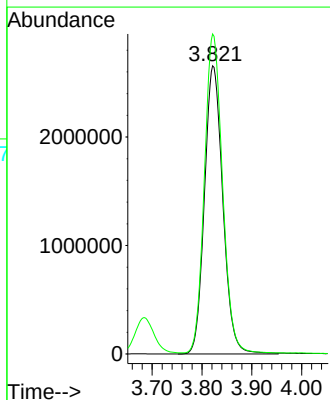
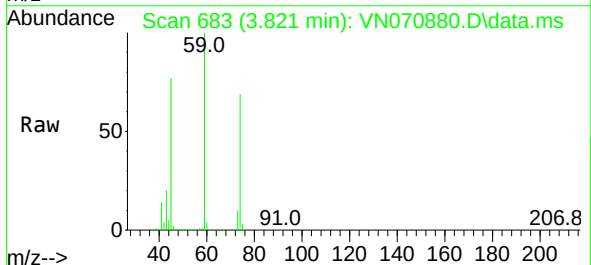
Manual Integrations
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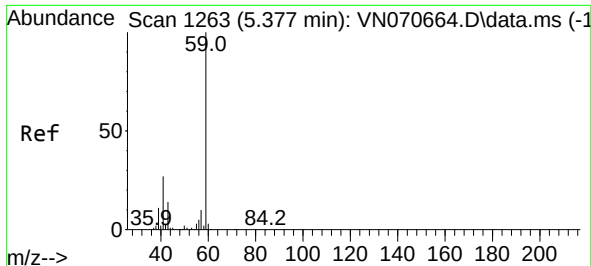
Reviewed By :John Carlone 02/02/2022
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#8
Diethyl Ether
Concen: 646.722 ug/l
RT: 3.821 min Scan# 683
Delta R.T. -0.003 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

Tgt Ion: 74 Resp: 6795257
Ion Ratio Lower Upper
74 100
45 109.2 47.0 141.2





#11

Tert butyl alcohol

Concen: 703.783 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN070880.D

Acq: 1 Feb 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

31534

Tgt Ion: 59 Resp: 2385009

Ion Ratio Lower Upper

59 100

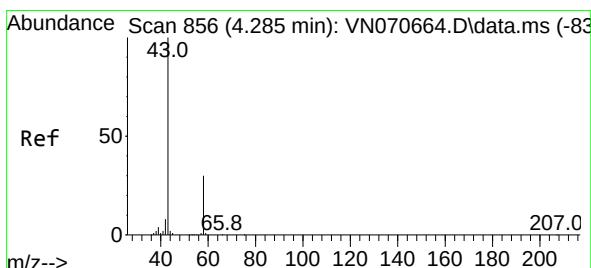
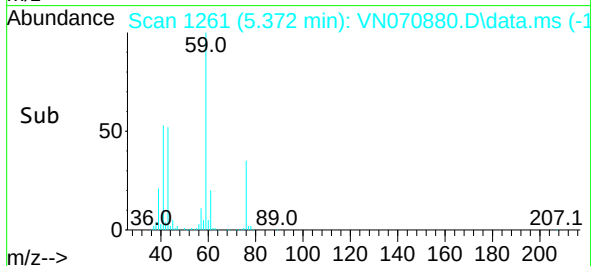
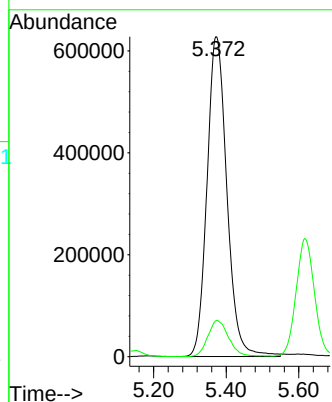
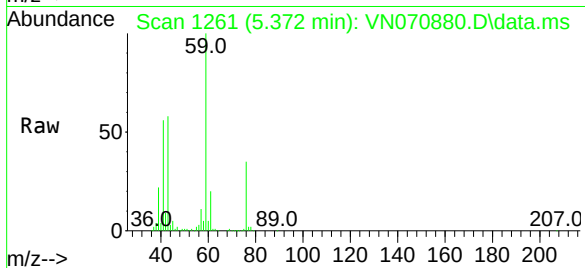
57 11.8 8.7 13.1

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#16

Acetone

Concen: 967.489 ug/l

RT: 4.283 min Scan# 855

Delta R.T. -0.002 min

Lab File: VN070880.D

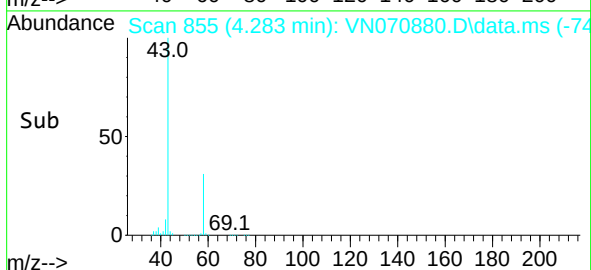
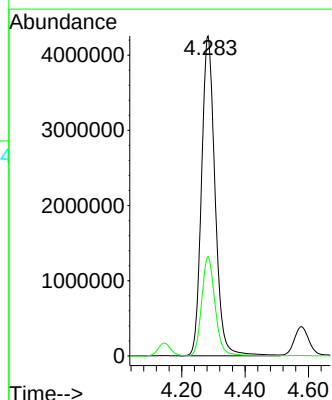
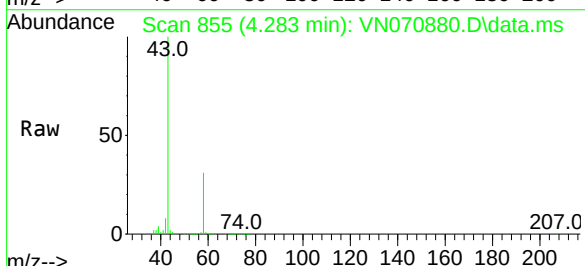
Acq: 1 Feb 2022 19:02

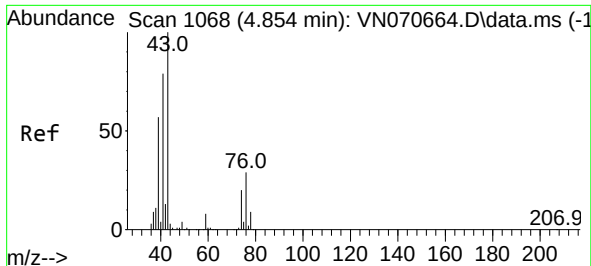
Tgt Ion: 43 Resp:12613464

Ion Ratio Lower Upper

43 100

58 31.0 23.1 34.7





#18

Methyl Acetate

Concen: 101.216 ug/l

RT: 4.851 min Scan# 1067

Delta R.T. -0.003 min

Lab File: VN070880.D

Acq: 1 Feb 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

31534

Tgt Ion: 43 Resp: 259515

Ion Ratio Lower Upper

43 100

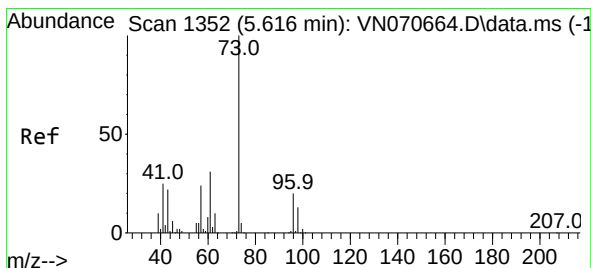
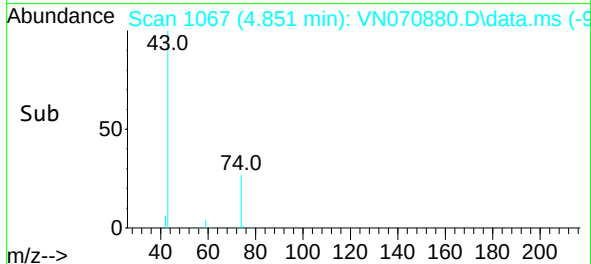
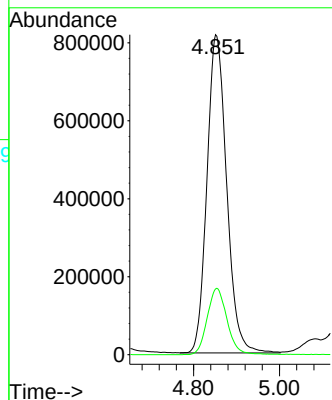
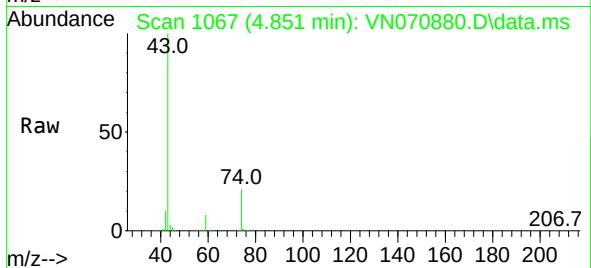
74 20.9 19.4 29.2

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#19

Methyl tert-butyl Ether

Concen: 46.481 ug/l

RT: 5.616 min Scan# 1352

Delta R.T. -0.000 min

Lab File: VN070880.D

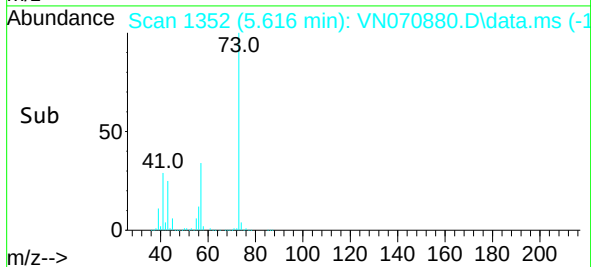
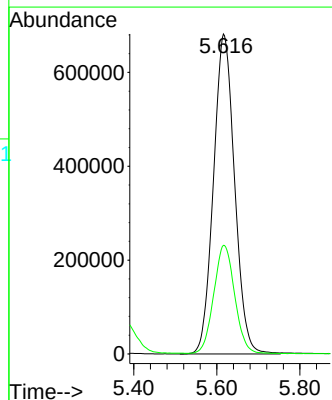
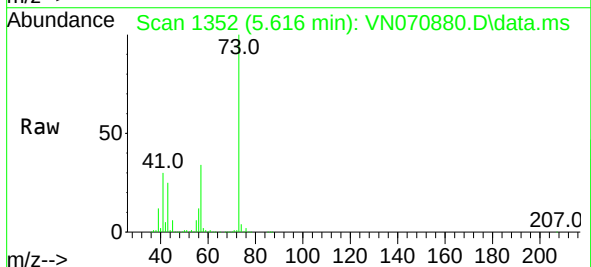
Acq: 1 Feb 2022 19:02

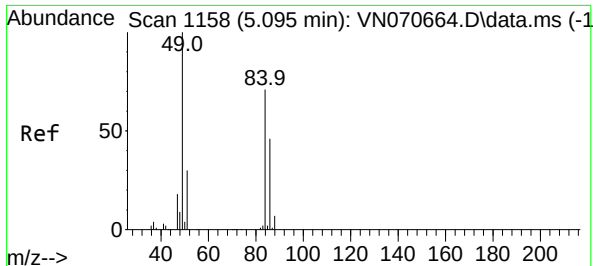
Tgt Ion: 73 Resp: 2407633

Ion Ratio Lower Upper

73 100

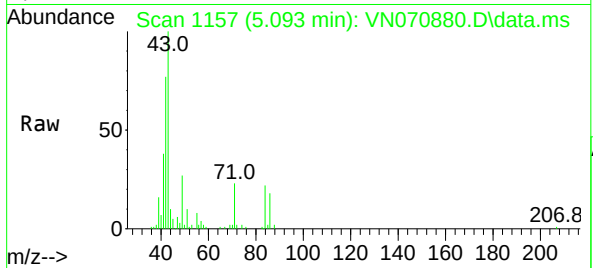
57 33.8 16.8 25.2#





#20
Methylene Chloride
Concen: 1.676 ug/l
RT: 5.093 min Scan# 1158
Delta R.T. -0.002 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

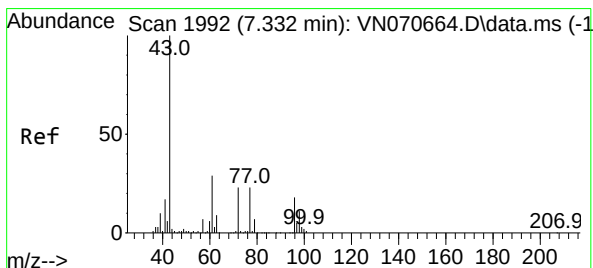
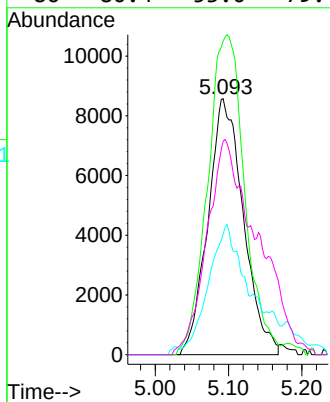
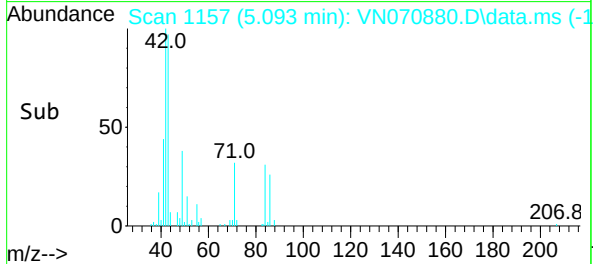
Instrument :
MSVOA_N
ClientSampleId :
31534



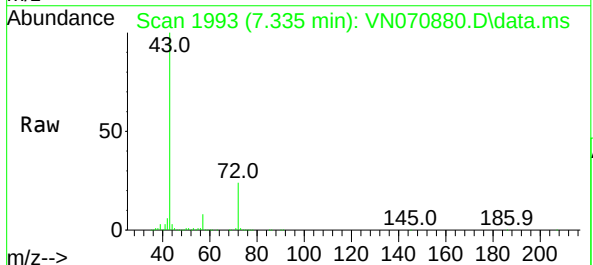
Tgt Ion: 84 Resp: 28774
Ion Ratio Lower Upper
84 100
49 120.8 93.5 140.3
51 44.5 29.4 44.2
86 80.4 53.0 79.4#

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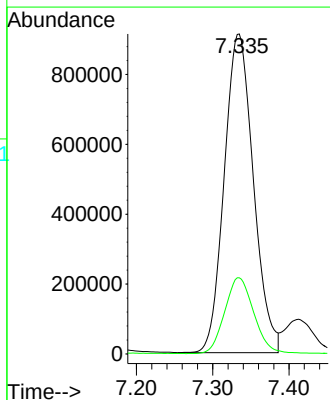
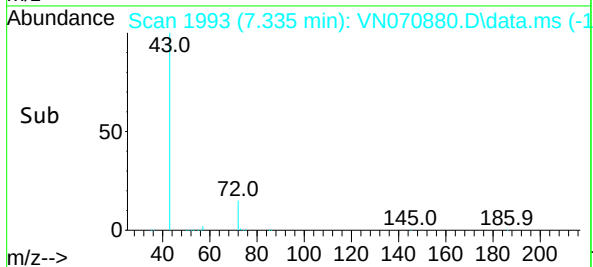
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

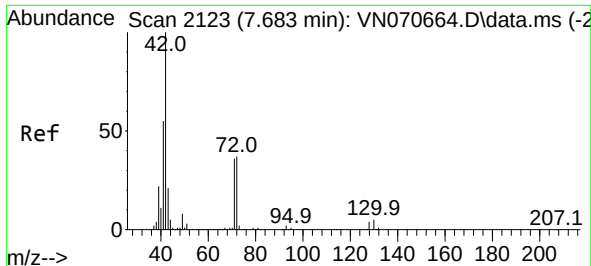


#25
2-Butanone
Concen: 147.847 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. 0.003 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02



Tgt Ion: 43 Resp: 2425487
Ion Ratio Lower Upper
43 100
72 23.7 21.7 32.5





#29

Tetrahydrofuran

Concen: 7.881 ug/l

RT: 7.686 min Scan# 2123

Delta R.T. 0.003 min

Lab File: VN070880.D

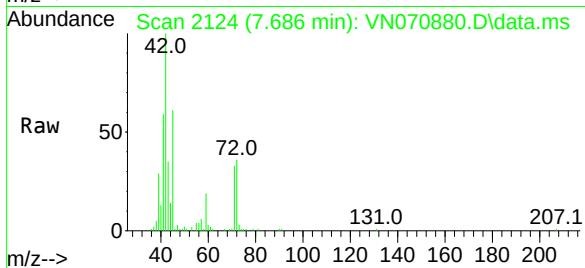
Acq: 1 Feb 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

31534



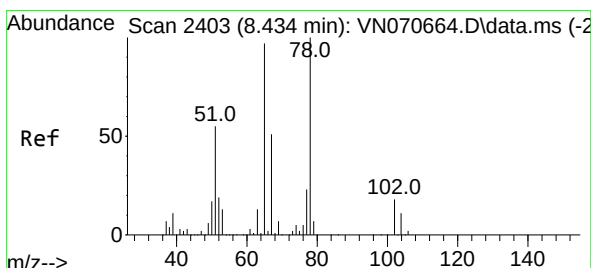
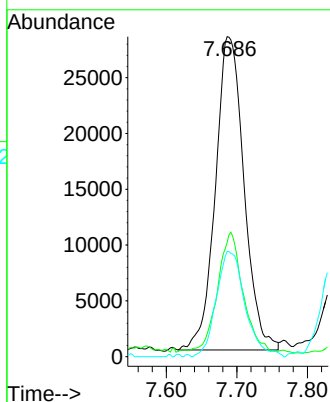
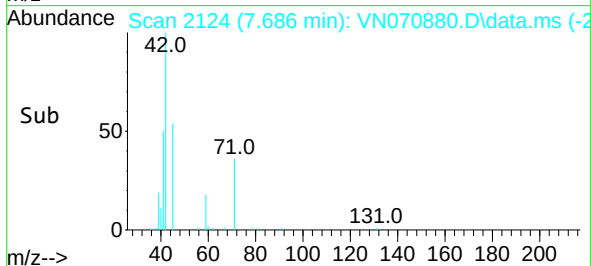
Tgt Ion:	42	Resp:	79170
Ion Ratio	Lower	Upper	
42	100		
72	33.2	36.3	54.5
71	33.1	34.7	52.1

Manual Integrations

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Supervised By :Mahesh Dadoda 02/07/2022



#33

1,2-Dichloroethane-d4

Concen: 39.286 ug/l

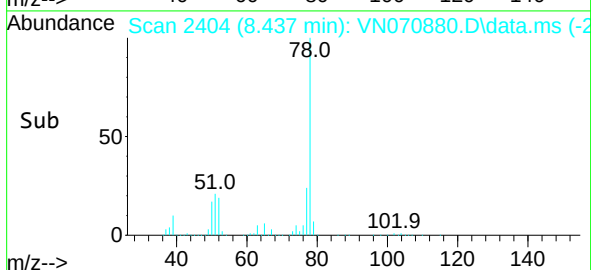
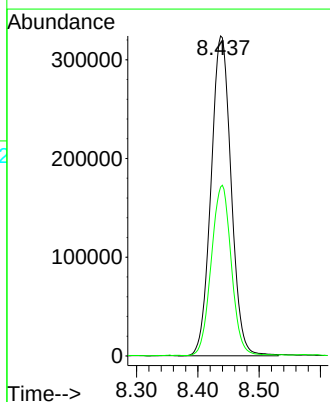
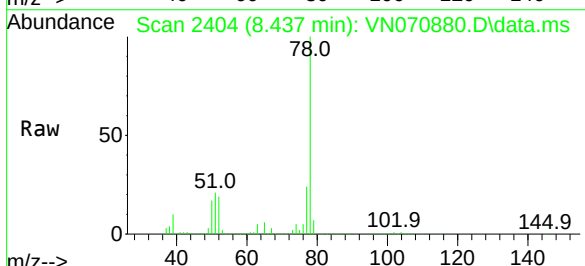
RT: 8.437 min Scan# 2404

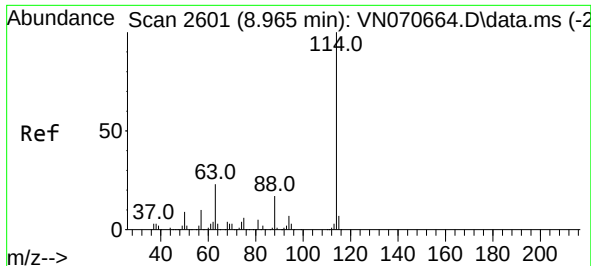
Delta R.T. 0.003 min

Lab File: VN070880.D

Acq: 1 Feb 2022 19:02

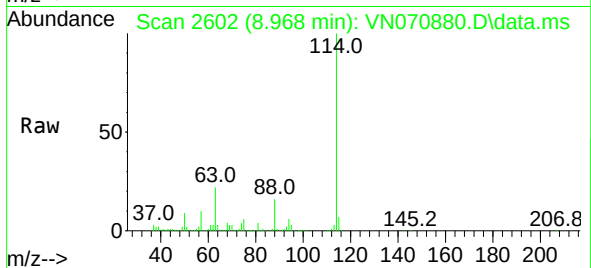
Tgt Ion:	65	Resp:	737933
Ion Ratio	Lower	Upper	
65	100		
67	53.0	0.0	103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 20
Delta R.T. 0.003 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

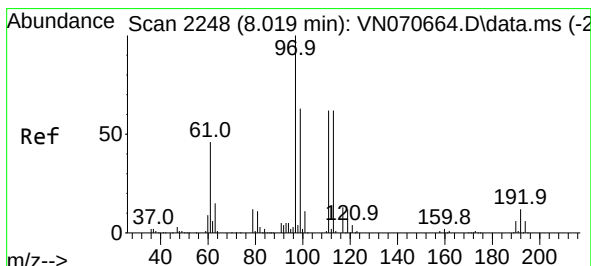
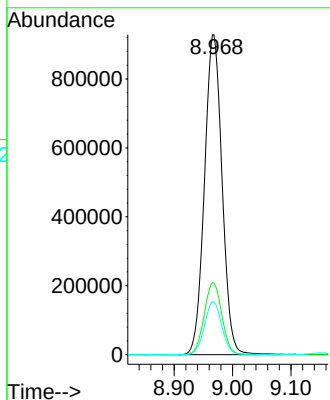
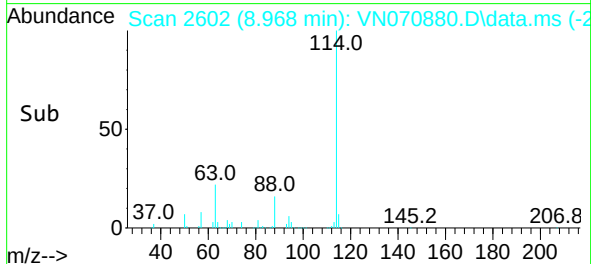
Instrument :
MSVOA_N
ClientSampleId :
31534



Tgt Ion:114 Resp: 194232
Ion Ratio Lower Upper
114 100
63 22.4 0.0 37.8
88 16.5 0.0 27.4

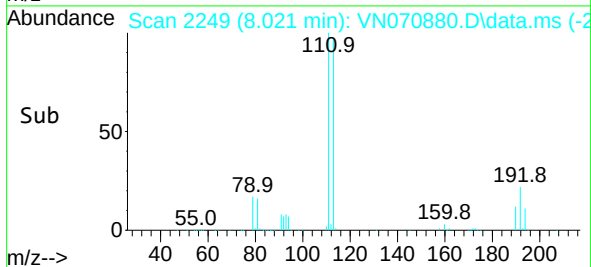
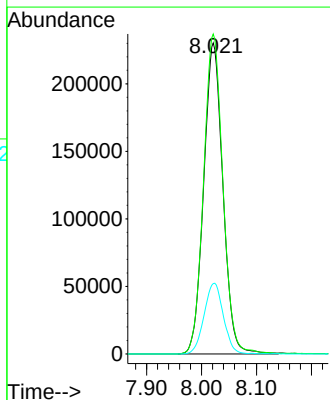
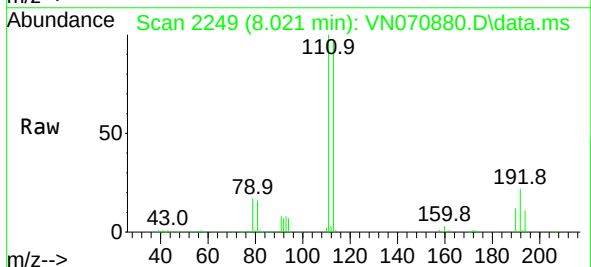
Manual Integrations
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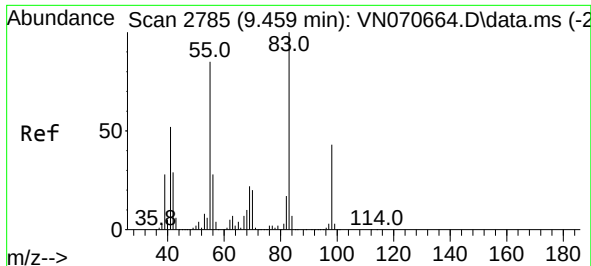
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#35
Dibromofluoromethane
Concen: 46.441 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

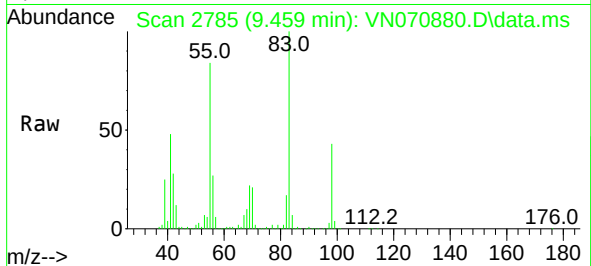
Tgt Ion:113 Resp: 559527
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 22.8 16.9 25.3





#39
Methylcyclohexane
Concen: 21.790 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

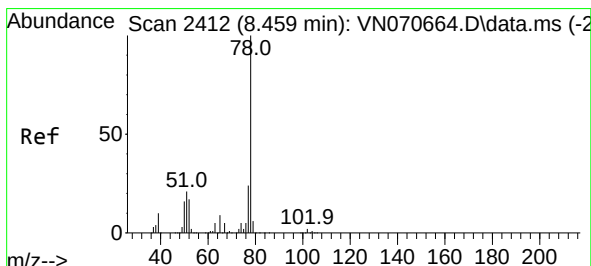
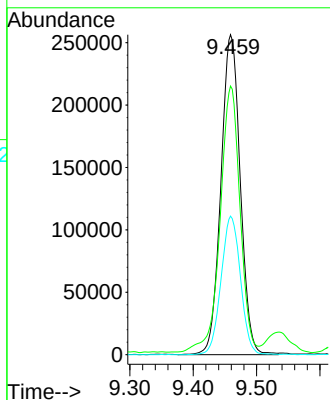
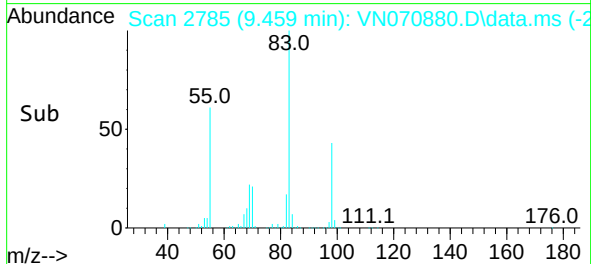
Instrument :
MSVOA_N
ClientSampleId :
31534



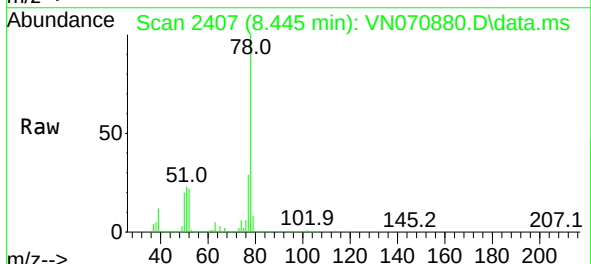
Tgt Ion: 83 Resp: 54563
Ion Ratio Lower Upper
83 100
55 83.1 58.1 87.1
98 43.3 38.4 57.6

Manual Integrations
APPROVED

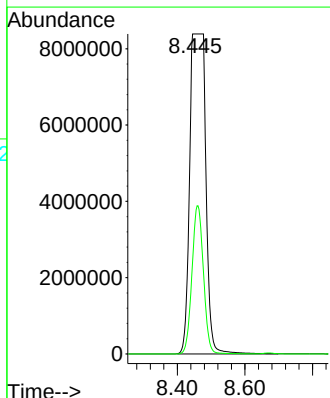
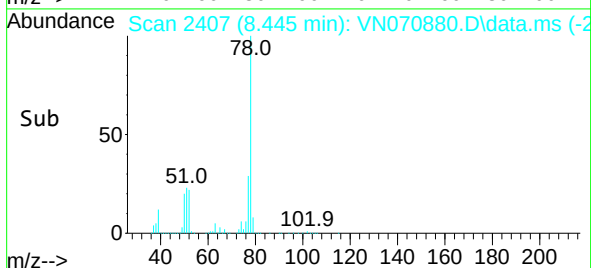
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

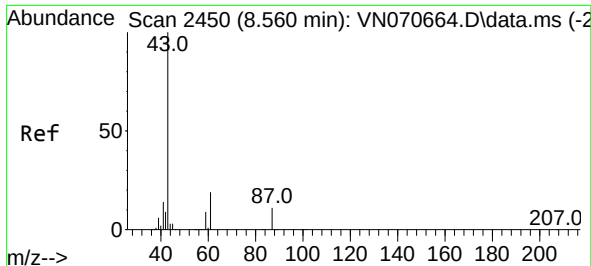


#40
Benzene
Concen: 440.840 ug/l m
RT: 8.445 min Scan# 2407
Delta R.T. -0.014 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02



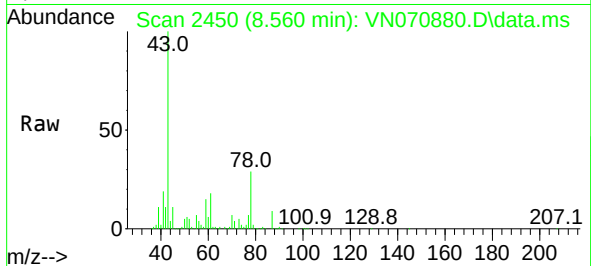
Tgt Ion: 78 Resp:27705880
Ion Ratio Lower Upper
78 100
77 28.9 18.6 27.8#





#43
Isopropyl Acetate
Concen: 9.446 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

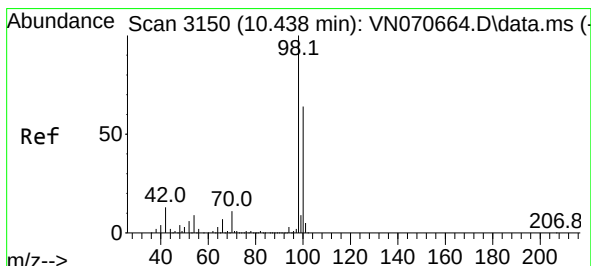
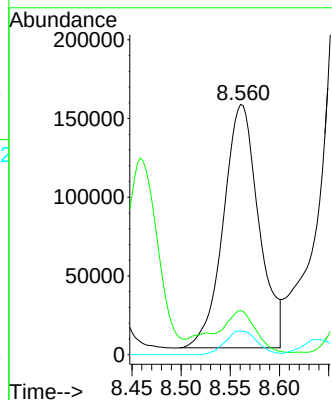
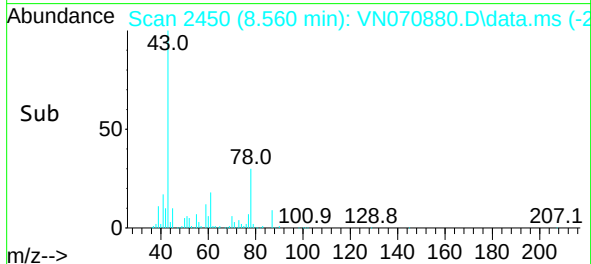
Instrument :
MSVOA_N
ClientSampleId :
31534



Tgt Ion: 43 Resp: 388500
Ion Ratio Lower Upper
43 100
61 13.9 20.4 30.6
87 8.7 11.2 16.8

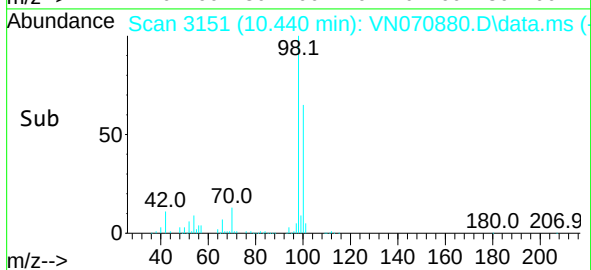
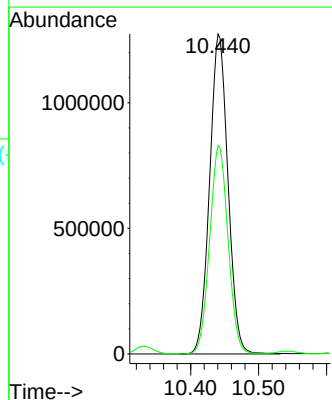
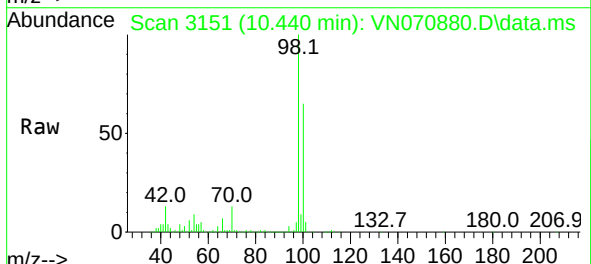
Manual Integrations
APPROVED

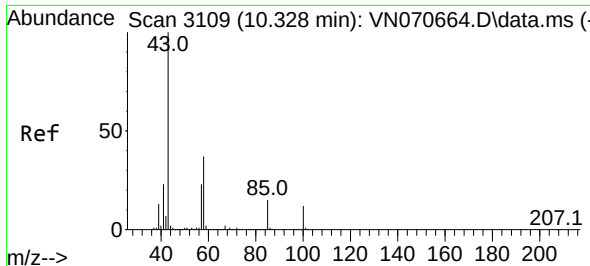
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#50
Toluene-d8
Concen: 46.953 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

Tgt Ion: 98 Resp: 2383156
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6





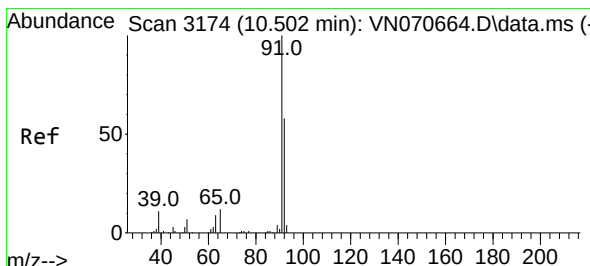
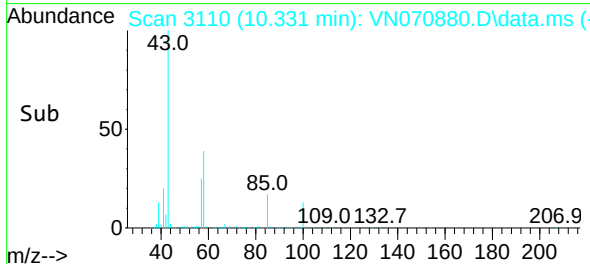
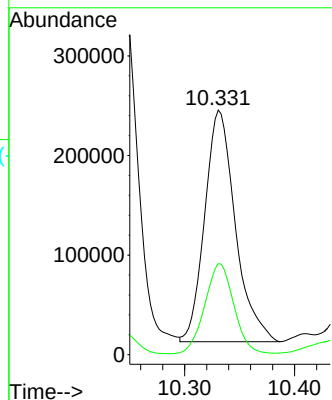
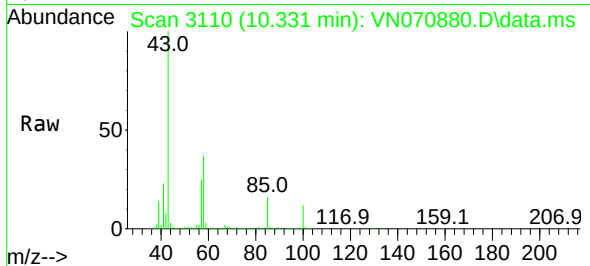
#51
4-Methyl-2-Pentanone
Concen: 17.139 ug/l
RT: 10.331 min Scan# 3109
Delta R.T. 0.003 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

Instrument :
MSVOA_N
ClientSampleId :
31534

Tgt Ion: 43 Resp: 449814
Ion Ratio Lower Upper
43 100
58 37.0 30.4 45.6

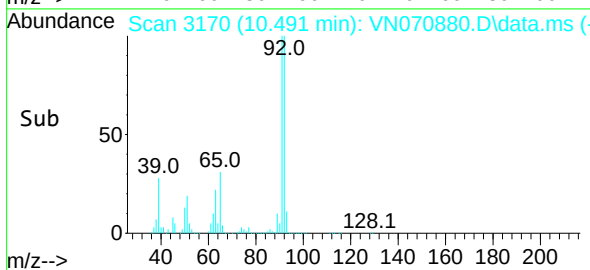
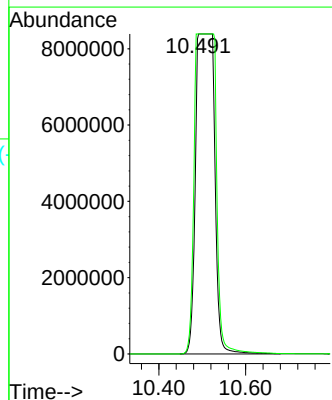
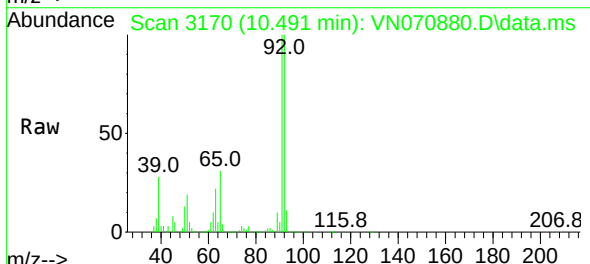
Manual Integrations
APPROVED

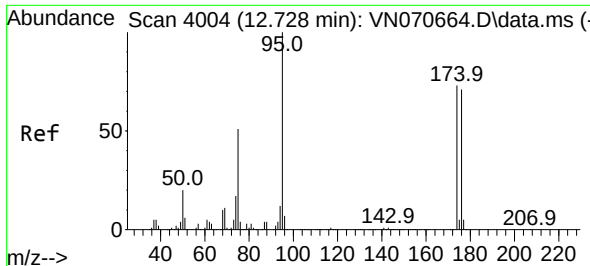
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#52
Toluene
Concen: 673.180 ug/l m
RT: 10.491 min Scan# 3170
Delta R.T. -0.011 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

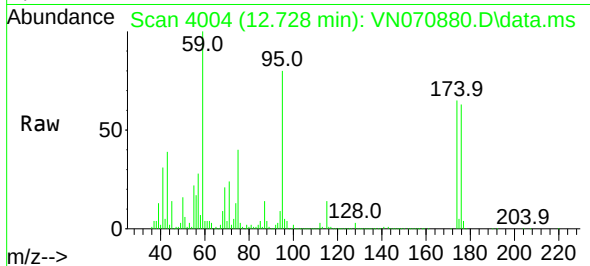
Tgt Ion: 92 Resp:25307509
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0#





#62
4-Bromofluorobenzene
Concen: 50.500 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

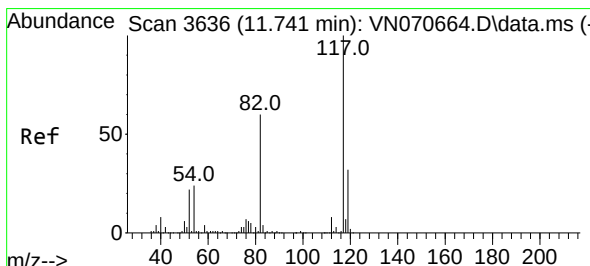
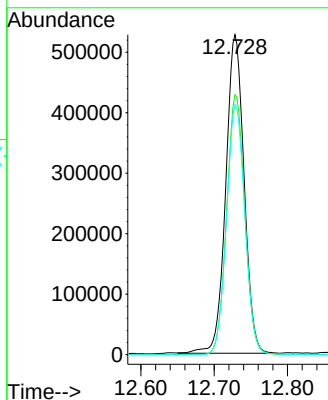
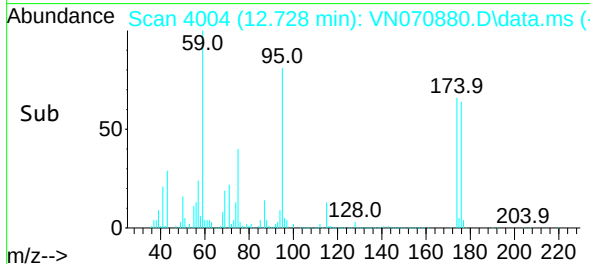
Instrument :
MSVOA_N
ClientSampleId :
31534



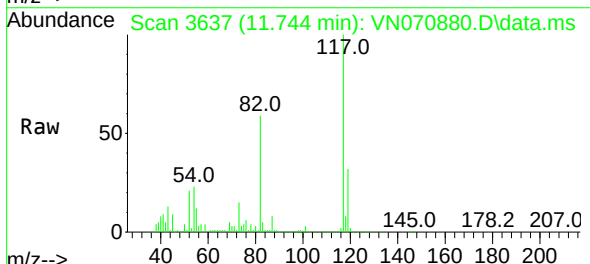
Tgt Ion: 95 Resp: 91338
Ion Ratio Lower Upper
95 100
174 81.2 0.0 187.2
176 78.8 0.0 181.4

Manual Integrations
APPROVED

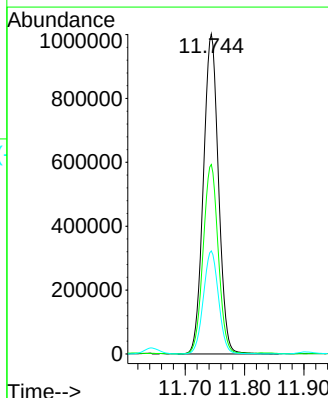
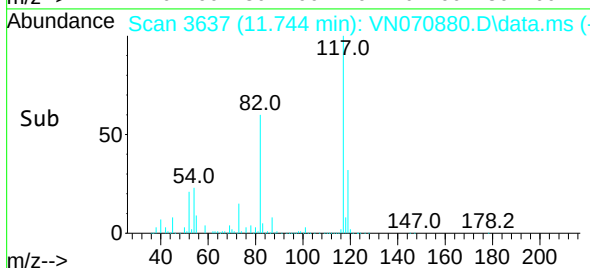
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

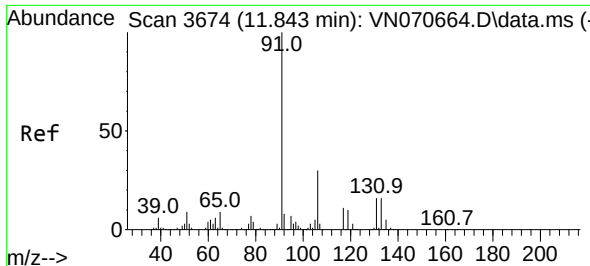


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02



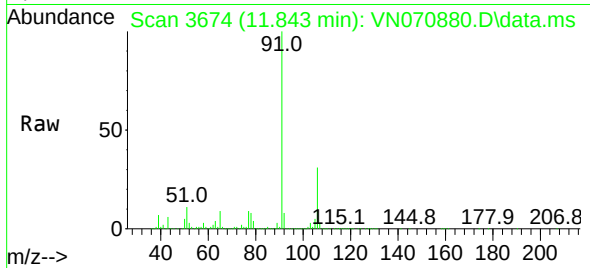
Tgt Ion:117 Resp: 1764952
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.2 25.4 38.2





#67
Ethyl Benzene
Concen: 108.060 ug/l
RT: 11.843 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

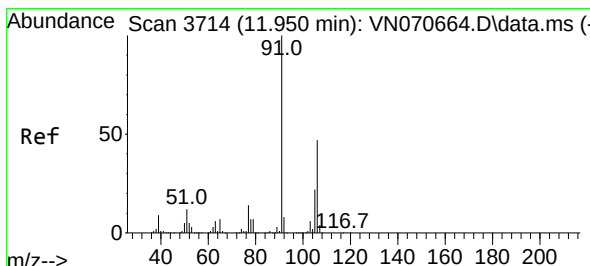
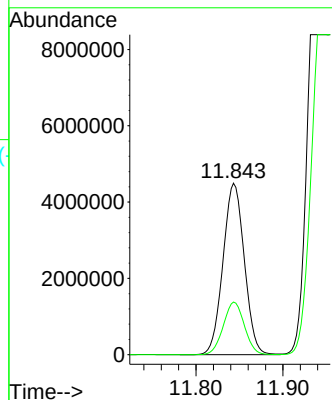
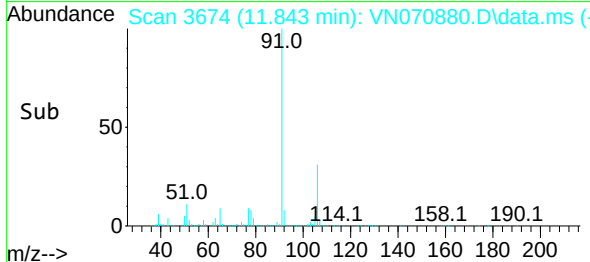
Instrument :
MSVOA_N
ClientSampleId :
31534



Tgt Ion: 91 Resp: 766115
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5

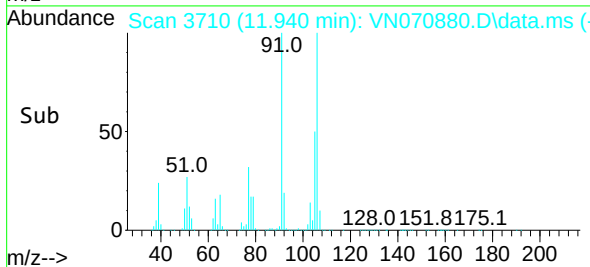
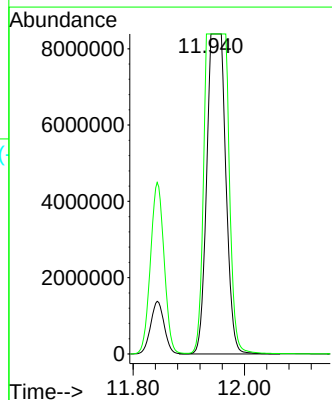
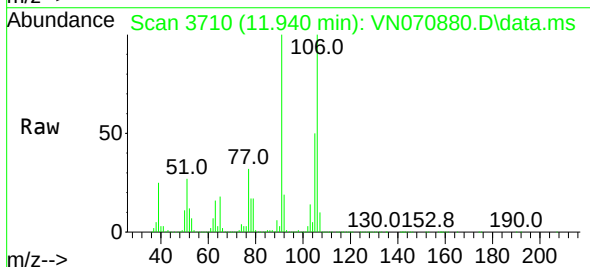
Manual Integrations
APPROVED

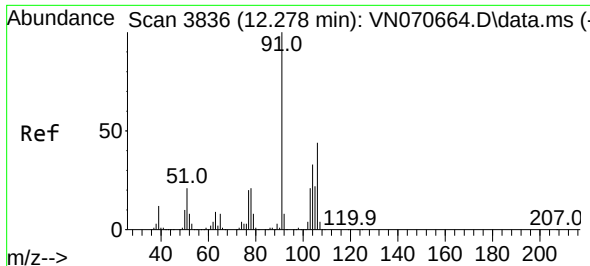
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#68
m/p-Xylenes
Concen: 765.792 ug/l m
RT: 11.940 min Scan# 3710
Delta R.T. -0.010 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

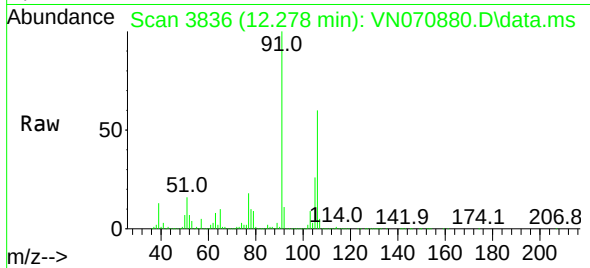
Tgt Ion:106 Resp:19750898
Ion Ratio Lower Upper
106 100
91 38.8 160.6 240.8#





#69
o-Xylene
Concen: 342.036 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

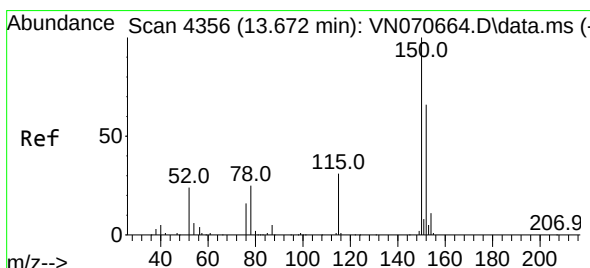
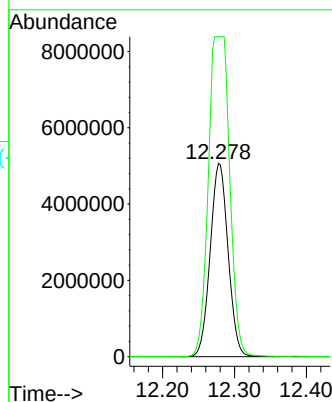
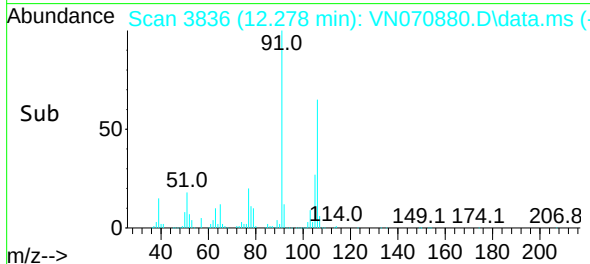
Instrument :
MSVOA_N
ClientSampleId :
31534



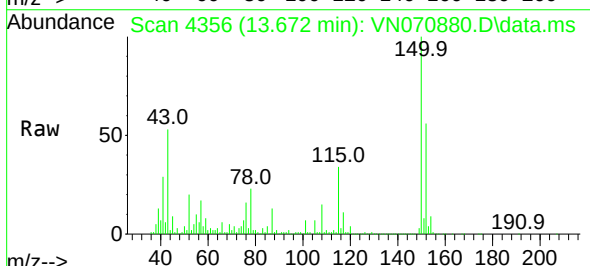
Tgt Ion:106 Resp: 875448
Ion Ratio Lower Upper
106 100
91 0.0 105.8 317.3

Manual Integrations
APPROVED

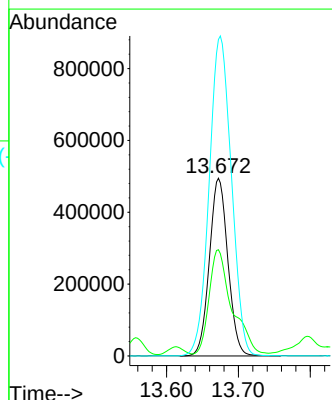
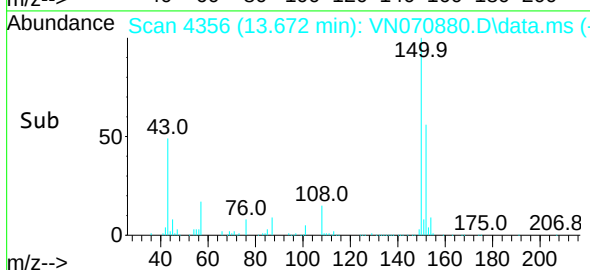
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

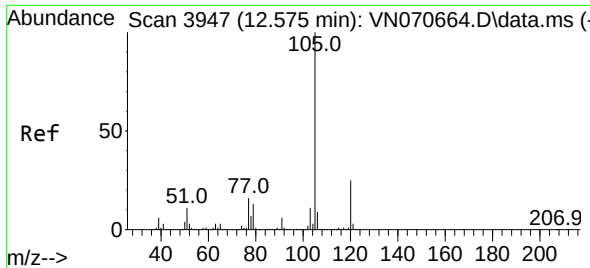


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02



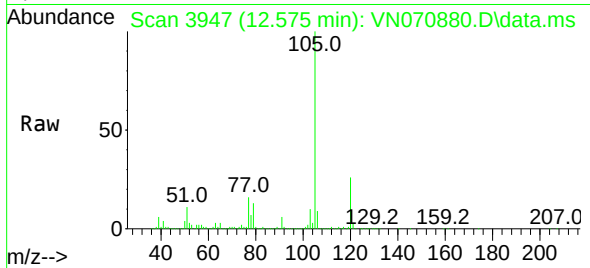
Tgt Ion:152 Resp: 886382
Ion Ratio Lower Upper
152 100
115 71.9 27.5 82.5
150 215.6 0.0 344.4





#73
Isopropylbenzene
Concen: 23.059 ug/l
RT: 12.575 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

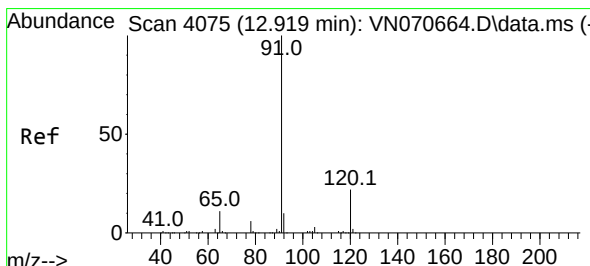
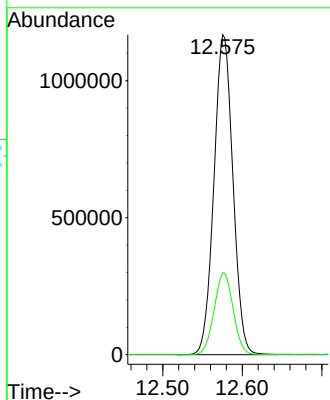
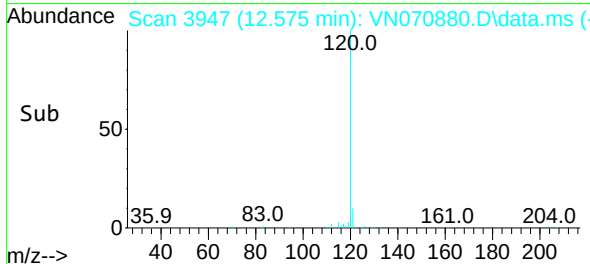
Instrument :
MSVOA_N
ClientSampleId :
31534



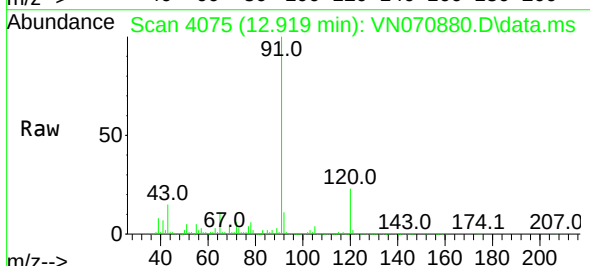
Tgt Ion:105 Resp: 193366
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1

Manual Integrations
APPROVED

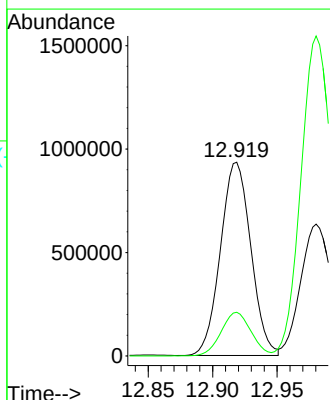
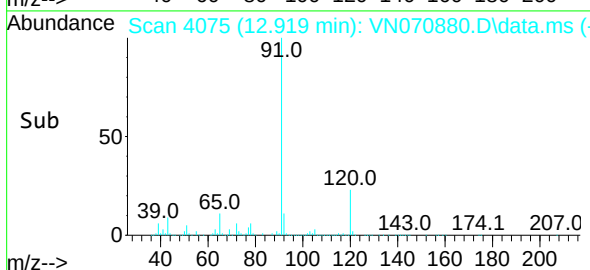
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

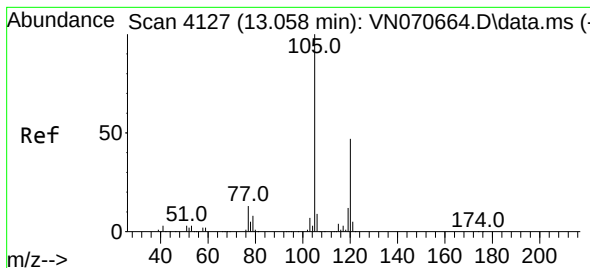


#78
n-propylbenzene
Concen: 16.377 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02



Tgt Ion: 91 Resp: 1535846
Ion Ratio Lower Upper
91 100
120 22.4 11.9 35.9





#80

1,3,5-Trimethylbenzene

Concen: 124.844 ug/l

RT: 13.058 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN070880.D

Acq: 1 Feb 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

31534

Tgt Ion:105 Resp: 846601

Ion Ratio Lower Upper

105 100

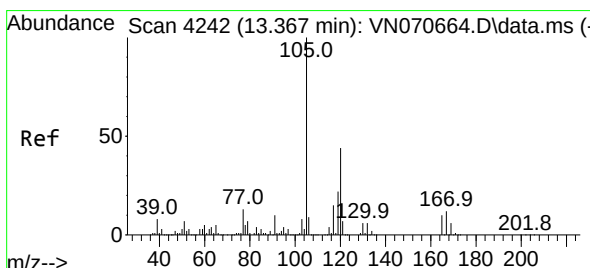
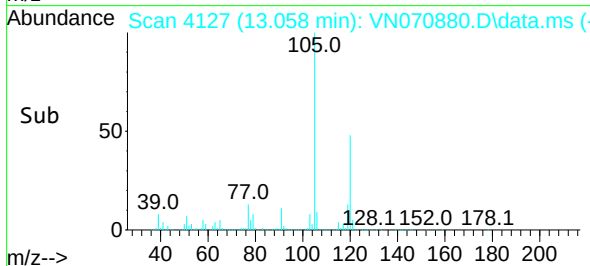
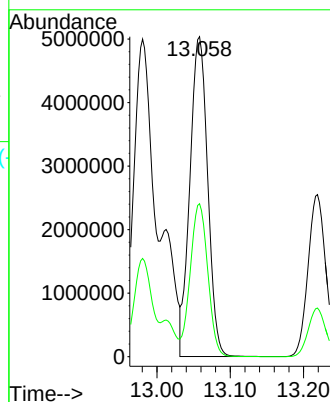
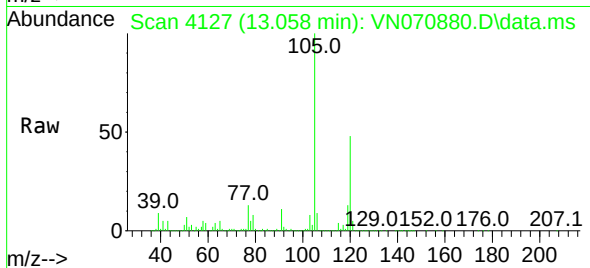
120 47.3 24.6 73.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/02/2022

Supervised By :Mahesh Dadoda 02/07/2022



#84

1,2,4-Trimethylbenzene

Concen: 204.574 ug/l

RT: 13.367 min Scan# 4242

Delta R.T. -0.000 min

Lab File: VN070880.D

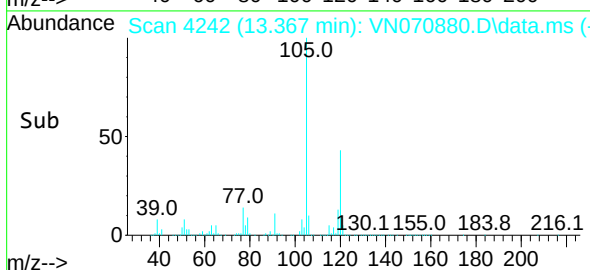
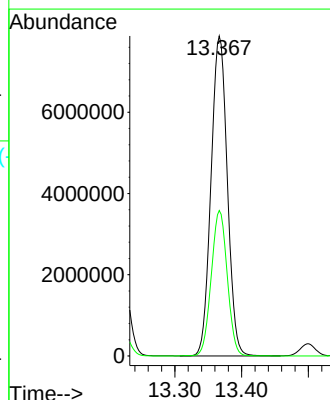
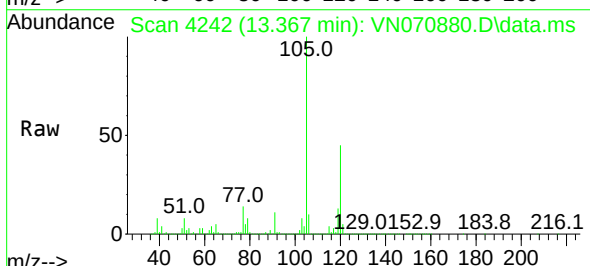
Acq: 1 Feb 2022 19:02

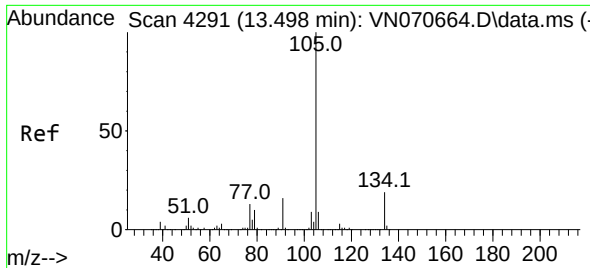
Tgt Ion:105 Resp:13334856

Ion Ratio Lower Upper

105 100

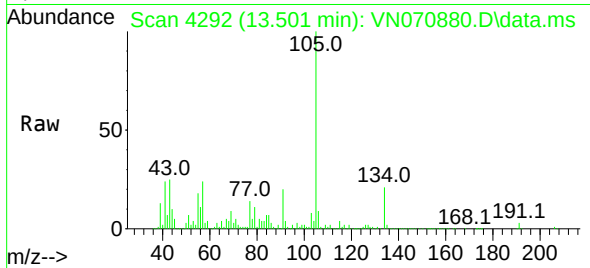
120 44.6 22.8 68.4





#85
 sec-Butylbenzene
 Concen: 5.901 ug/l
 RT: 13.501 min Scan# 4291
 Delta R.T. 0.003 min
 Lab File: VN070880.D
 Acq: 1 Feb 2022 19:02

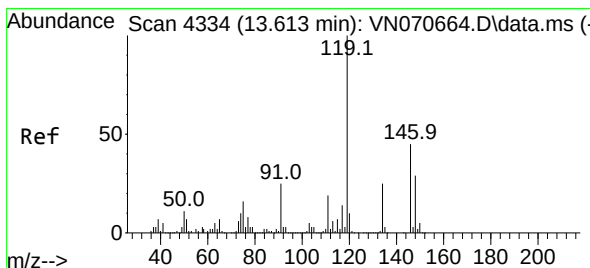
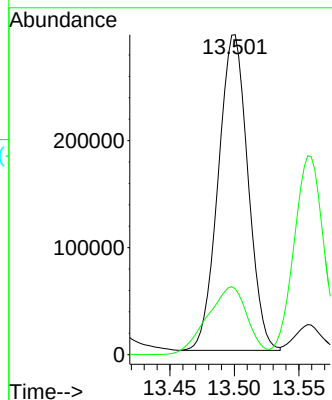
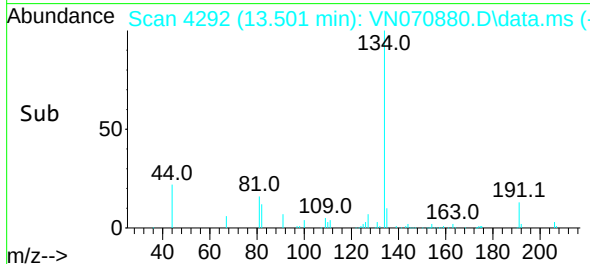
Instrument :
 MSVOA_N
 ClientSampleId :
 31534



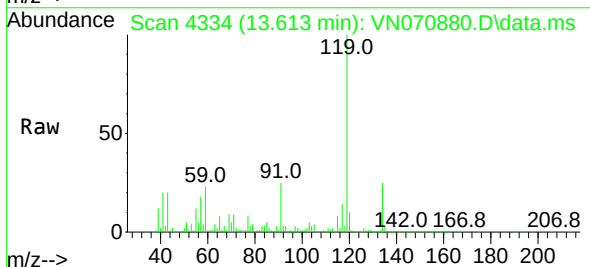
Tgt Ion:105 Resp: 473598
 Ion Ratio Lower Upper
 105 100
 134 29.0 10.4 31.1

Manual Integrations
 APPROVED

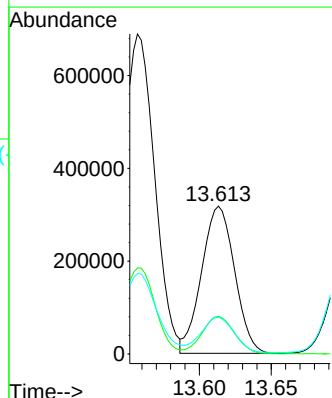
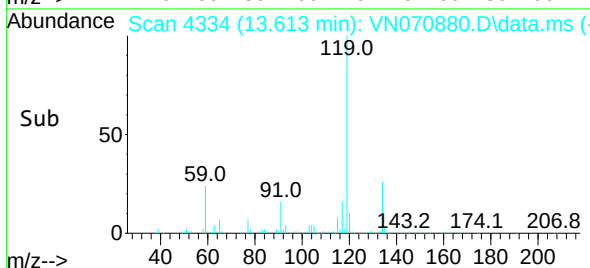
Reviewed By :John Carlone 02/02/2022
 Supervised By :Mahesh Dadoda 02/07/2022

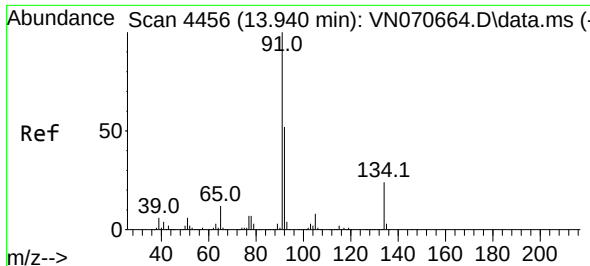


#86
 p-Isopropyltoluene
 Concen: 8.022 ug/l
 RT: 13.613 min Scan# 4334
 Delta R.T. 0.000 min
 Lab File: VN070880.D
 Acq: 1 Feb 2022 19:02



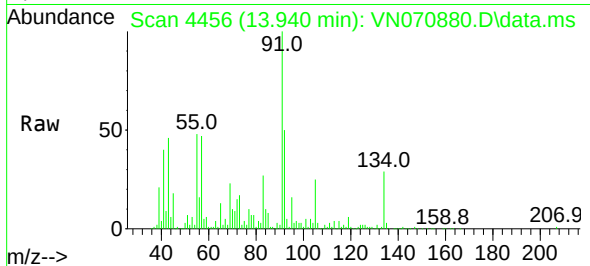
Tgt Ion:119 Resp: 505748
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.6 40.7
 91 24.0 11.4 34.1





#89
n-Butylbenzene
Concen: 2.949 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

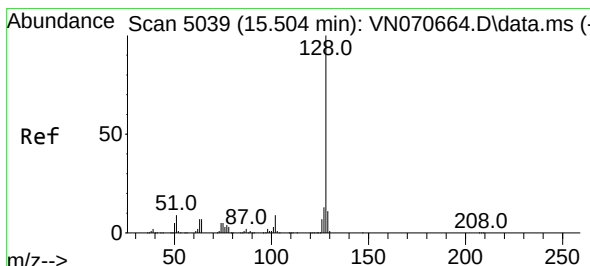
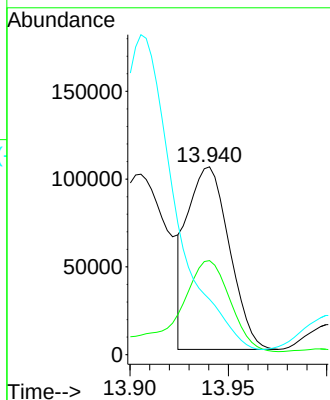
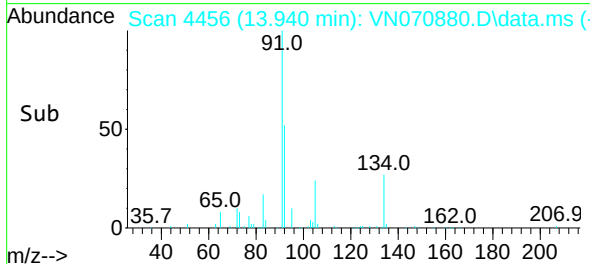
Instrument :
MSVOA_N
ClientSampleId :
31534



Tgt Ion: 91 Resp: 15336
Ion Ratio Lower Upper
91 100
92 55.5 25.4 76.0
134 0.0 13.6 40.8

Manual Integrations
APPROVED

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



#95
Naphthalene
Concen: 8.758 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070880.D
Acq: 1 Feb 2022 19:02

Tgt Ion:128 Resp: 194321
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 6.6 8.7 13.1

