

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070879.D
 Acq On : 1 Feb 2022 18:36
 Operator : JC/MD
 Sample : N1342-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31528

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:37:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1394573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2065269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1797468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	928363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	766658	38.359	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	76.720%		
35) Dibromofluoromethane	8.021	113	598787	46.740	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.480%		
50) Toluene-d8	10.443	98	2513334	46.570	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.140%		
62) 4-Bromofluorobenzene	12.728	95	912966	47.472	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.940%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.824	74	3023496	270.439	ug/l	85
11) Tert butyl alcohol	5.374	59	8671257	2404.799	ug/l	97
16) Acetone	4.283	43	13345595	962.050	ug/l	96
18) Methyl Acetate	4.851	43	2577749	94.488	ug/l	94
19) Methyl tert-butyl Ether	5.616	73	8716132	158.146	ug/l #	88
20) Methylene Chloride	5.095	84	27959	1.530	ug/l #	95
25) 2-Butanone	7.335	43	8996154	515.369	ug/l	94
29) Tetrahydrofuran	7.686	42	314152	29.392	ug/l #	83
31) Cyclohexane	8.094	56	908190	25.805	ug/l	89
39) Methylcyclohexane	9.459	83	902727	33.905	ug/l	91
40) Benzene	8.437	78	37596409m	562.600	ug/l	
51) 4-Methyl-2-Pentanone	10.333	43	1598417	57.278	ug/l	99
52) Toluene	10.489	92	30744360m	769.117	ug/l	
67) Ethyl Benzene	11.843	91	9082561	125.792	ug/l	98
68) m/p-Xylenes	11.945	106	17062304	649.581	ug/l #	1
69) o-Xylene	12.278	106	6704767	257.215	ug/l	97
73) Isopropylbenzene	12.578	105	998750	11.372	ug/l	99
78) n-propylbenzene	12.919	91	658003	6.699	ug/l	100
80) 1,3,5-Trimethylbenzene	13.058	105	3451251	48.592	ug/l	98
84) 1,2,4-Trimethylbenzene	13.366	105	6270401	91.846	ug/l	97
86) p-Isopropyltoluene	13.616	119	312228m	4.729	ug/l	
95) Naphthalene	15.501	128	1488072	32.801	ug/l #	96

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

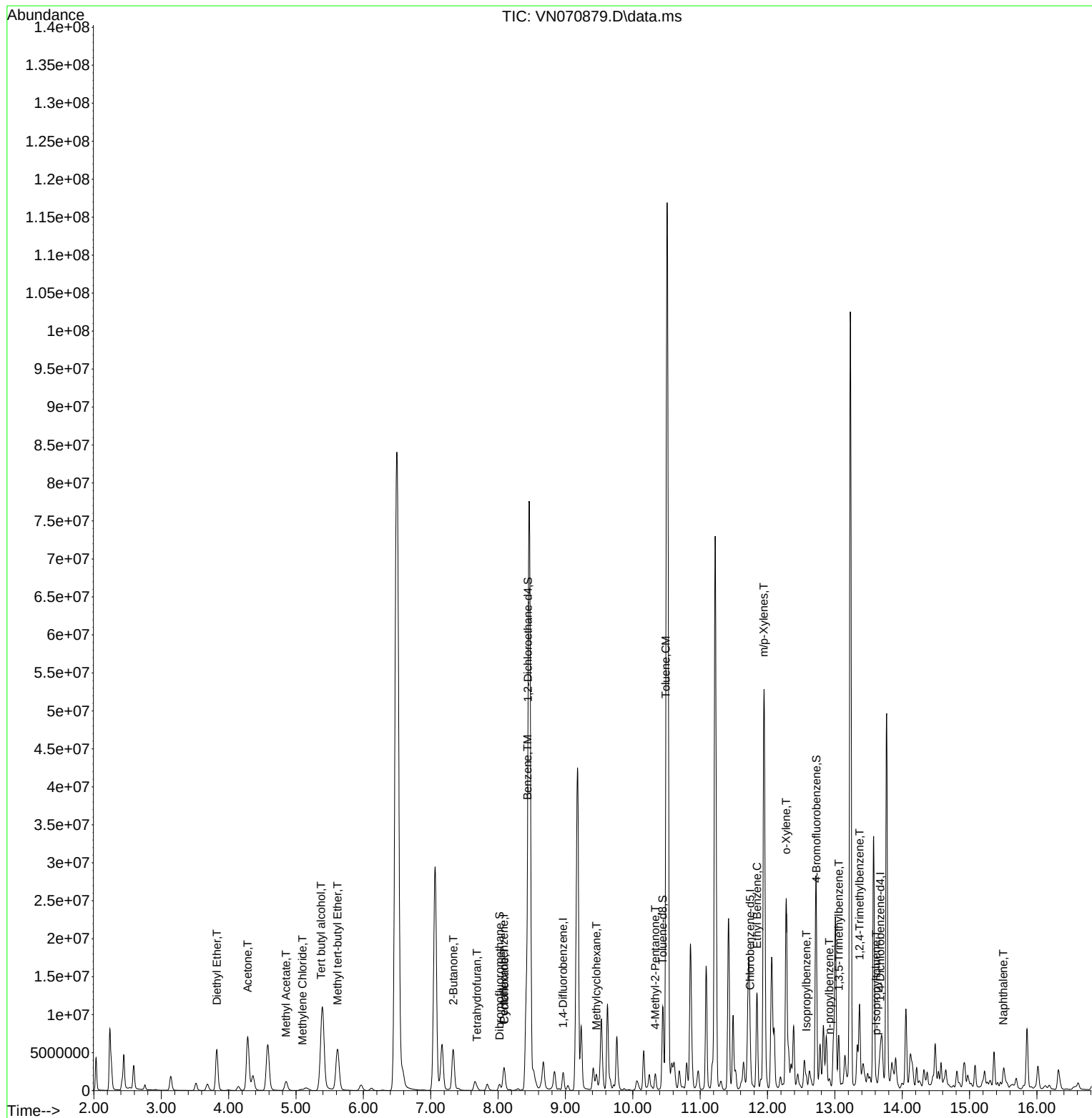
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
Data File : VN070879.D
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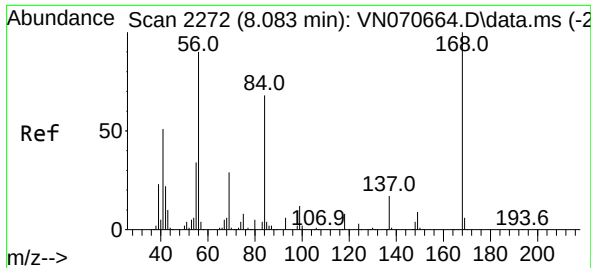
Instrument :
MSVOA_N
ClientSampleId :
31528

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Quant Time: Feb 02 00:37:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
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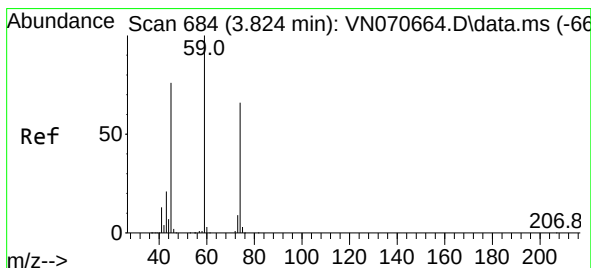
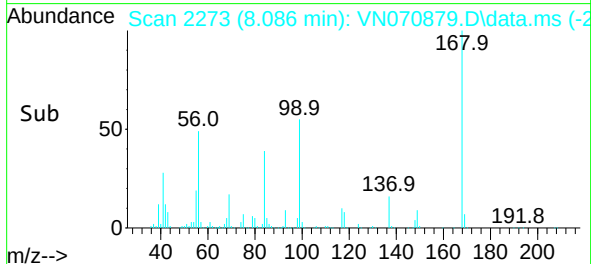
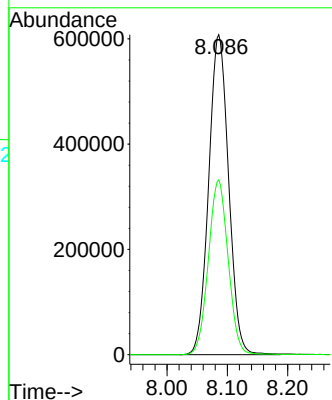
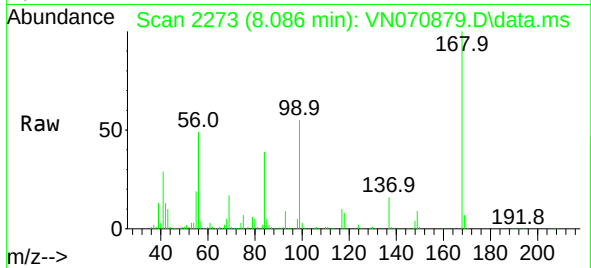
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

Instrument :
MSVOA_N
ClientSampleId :
31528

Tgt Ion:168 Resp: 139457
Ion Ratio Lower Upper
168 100
99 54.6 41.3 61.9

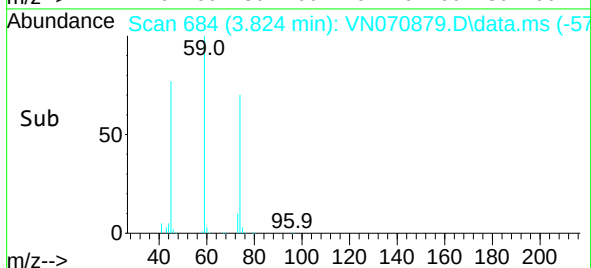
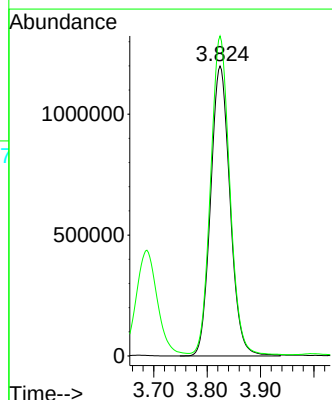
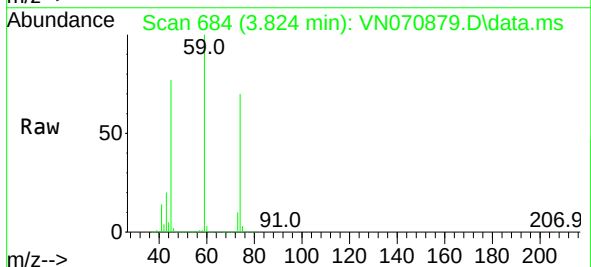
Manual Integrations
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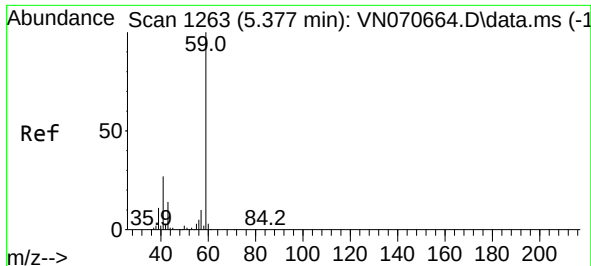
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#8
Diethyl Ether
Concen: 270.439 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.000 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

Tgt Ion: 74 Resp: 3023496
Ion Ratio Lower Upper
74 100
45 108.2 47.0 141.2





#11

Tert butyl alcohol

Concen: 2404.799 ug/l

RT: 5.374 min Scan# 11

Delta R.T. -0.003 min

Lab File: VN070879.D

Acq: 1 Feb 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

31528

Tgt Ion: 59 Resp: 867125

Ion Ratio Lower Upper

59 100

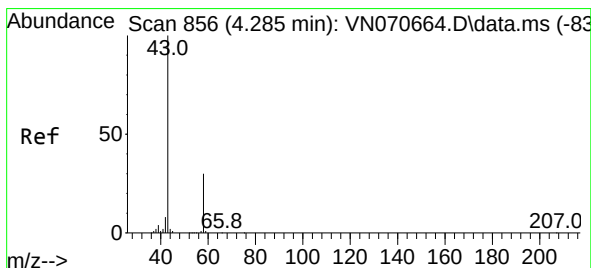
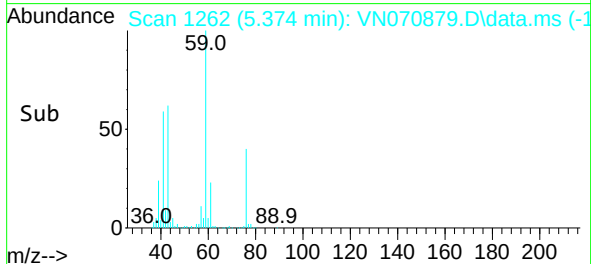
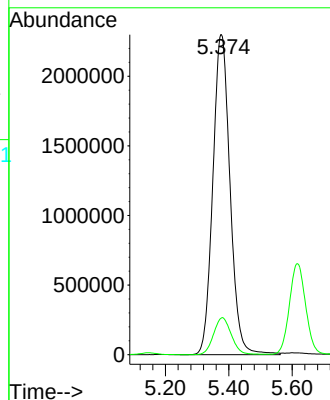
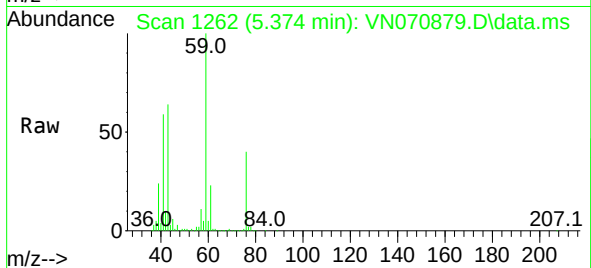
57 12.0 8.7 13.1

Manual Integrations

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#16

Acetone

Concen: 962.050 ug/l

RT: 4.283 min Scan# 855

Delta R.T. -0.002 min

Lab File: VN070879.D

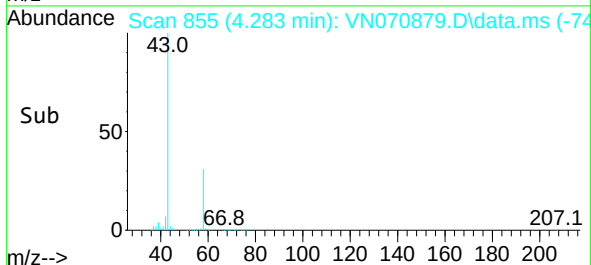
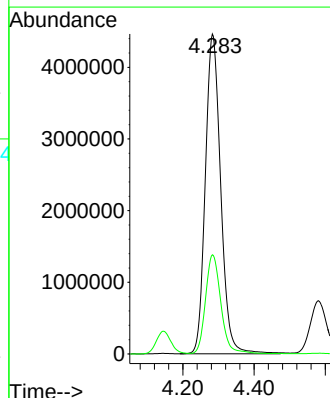
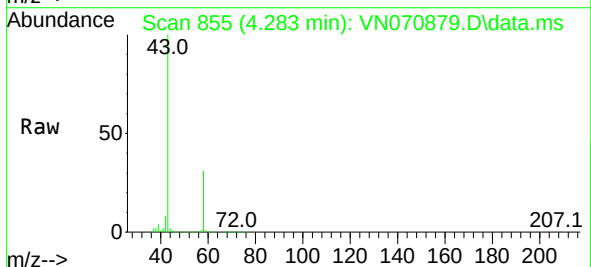
Acq: 1 Feb 2022 18:36

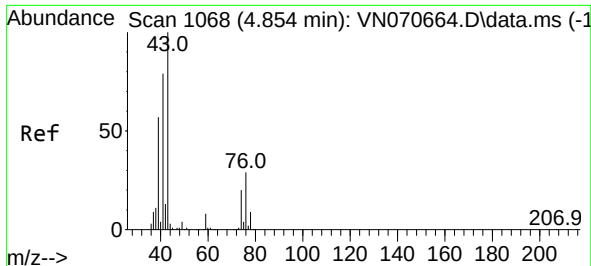
Tgt Ion: 43 Resp:13345595

Ion Ratio Lower Upper

43 100

58 30.9 23.1 34.7





#18

Methyl Acetate

Concen: 94.488 ug/l

RT: 4.851 min Scan# 1067

Delta R.T. -0.003 min

Lab File: VN070879.D

Acq: 1 Feb 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

31528

Tgt Ion: 43 Resp: 2577749

Ion Ratio Lower Upper

43 100

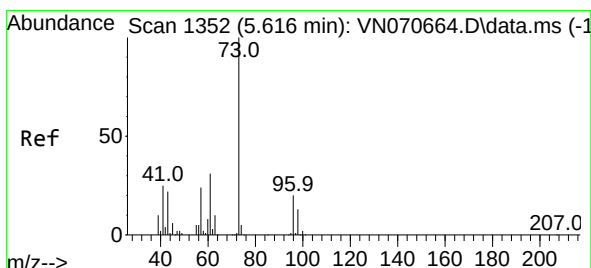
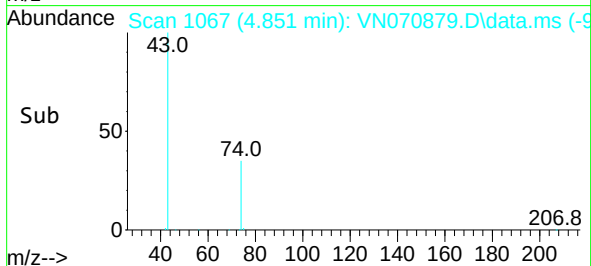
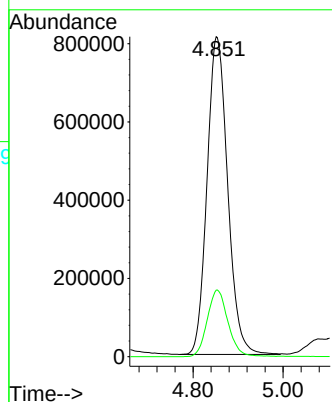
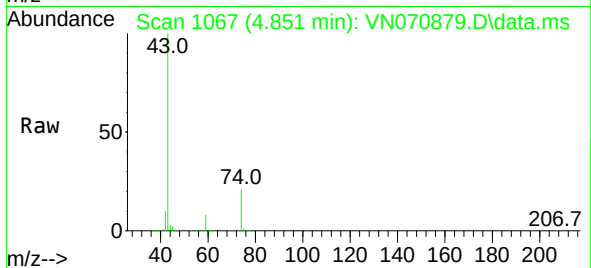
74 21.1 19.4 29.2

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: 158.146 ug/l

RT: 5.616 min Scan# 1352

Delta R.T. -0.000 min

Lab File: VN070879.D

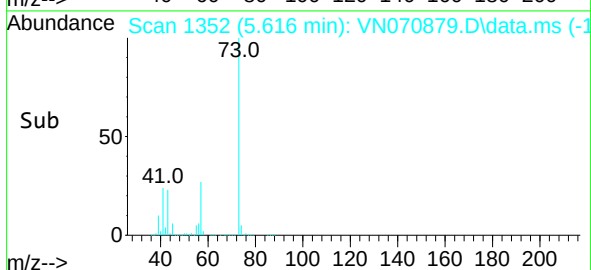
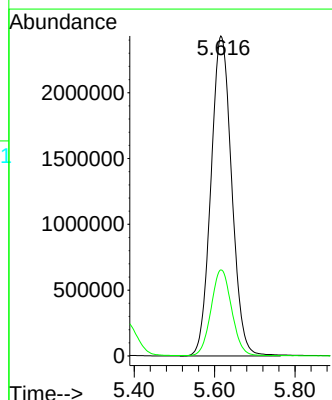
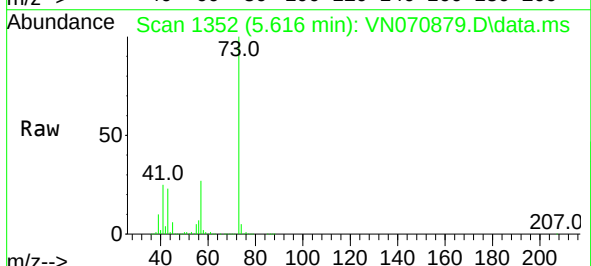
Acq: 1 Feb 2022 18:36

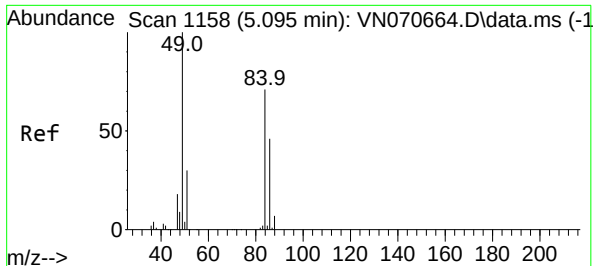
Tgt Ion: 73 Resp: 8716132

Ion Ratio Lower Upper

73 100

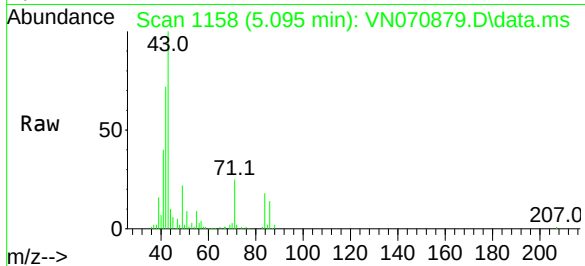
57 26.8 16.8 25.2#





#20
Methylene Chloride
Concen: 1.530 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

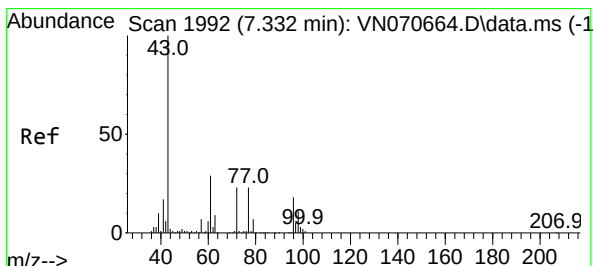
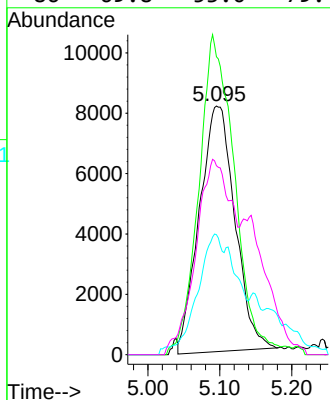
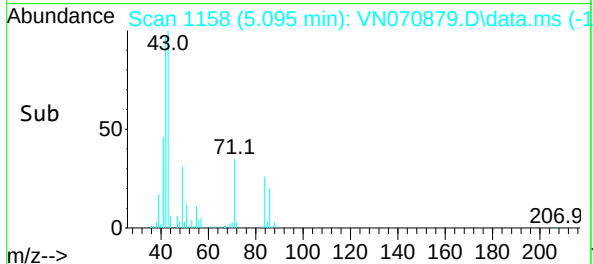
Instrument :
MSVOA_N
ClientSampleId :
31528



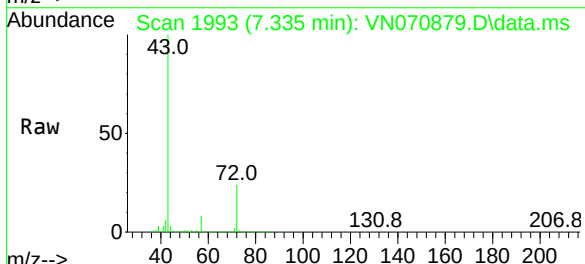
Tgt Ion: 84 Resp: 2795
Ion Ratio Lower Upper
84 100
49 119.5 93.5 140.3
51 45.0 29.4 44.2
86 69.8 53.0 79.4

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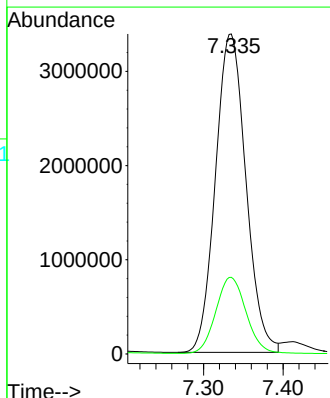
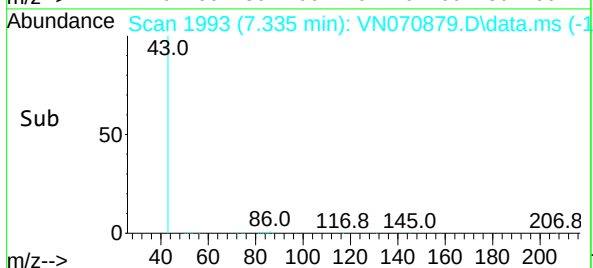
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

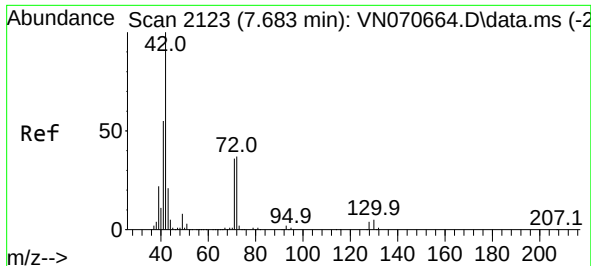


#25
2-Butanone
Concen: 515.369 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. 0.003 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36



Tgt Ion: 43 Resp: 8996154
Ion Ratio Lower Upper
43 100
72 23.8 21.7 32.5





#29

Tetrahydrofuran

Concen: 29.392 ug/l

RT: 7.686 min Scan# 2123

Delta R.T. 0.003 min

Lab File: VN070879.D

Acq: 1 Feb 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

31528

Tgt Ion: 42 Resp: 31415

Ion Ratio Lower Upper

42 100

72 34.3 36.3 54.5

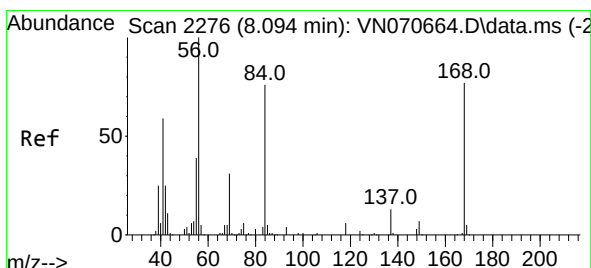
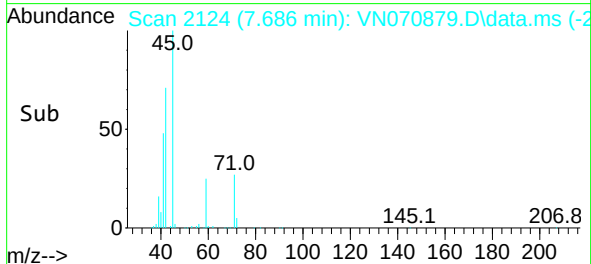
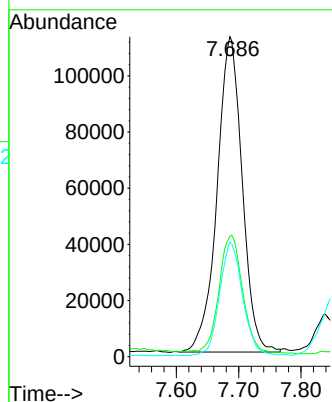
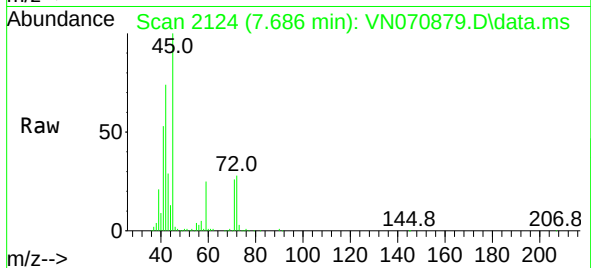
71 33.0 34.7 52.1

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#31

Cyclohexane

Concen: 25.805 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. -0.000 min

Lab File: VN070879.D

Acq: 1 Feb 2022 18:36

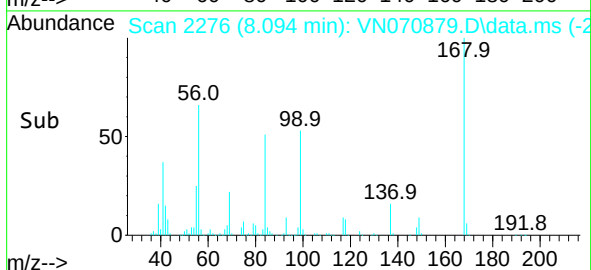
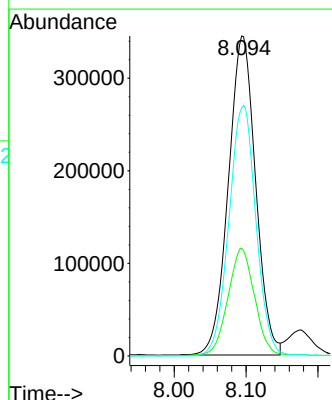
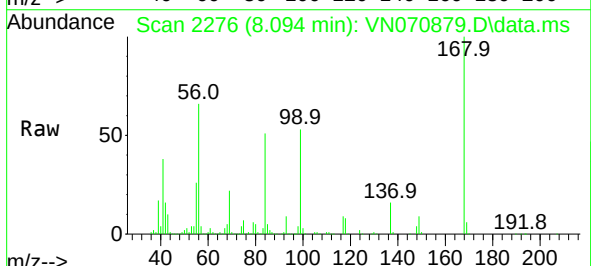
Tgt Ion: 56 Resp: 908190

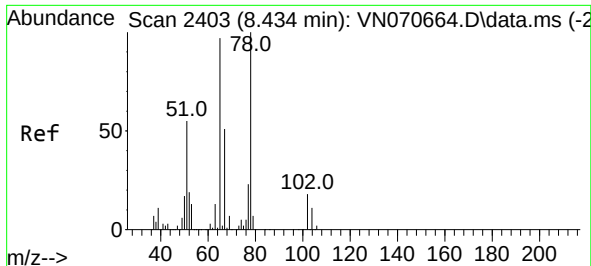
Ion Ratio Lower Upper

56 100

69 33.6 27.1 40.7

84 77.8 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 38.359 ug/l

RT: 8.442 min Scan# 2403

Delta R.T. 0.008 min

Lab File: VN070879.D

Acq: 1 Feb 2022 18:36

Instrument :

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Tgt Ion: 65 Resp: 766658

Ion Ratio Lower Upper

65 100

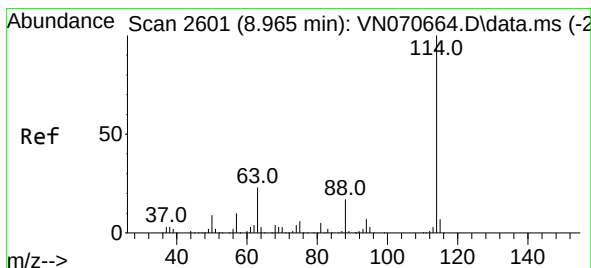
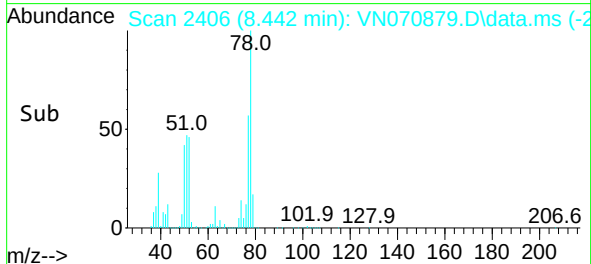
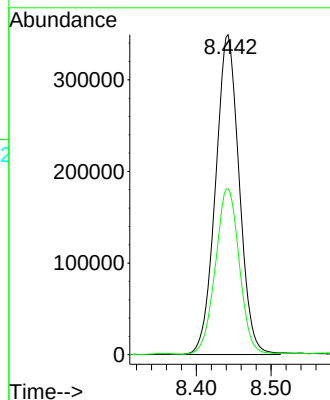
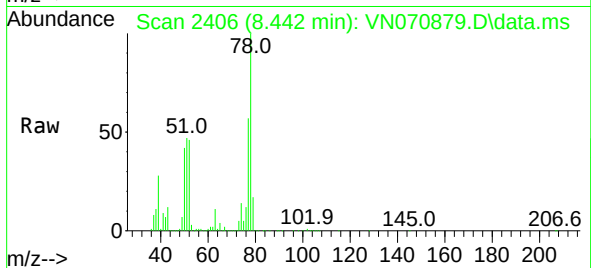
67 52.5 0.0 103.0

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Supervised By :Mahesh Dadoda 02/07/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VN070879.D

Acq: 1 Feb 2022 18:36

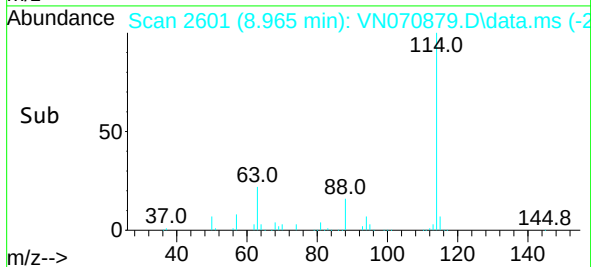
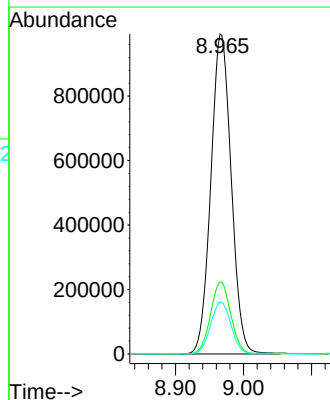
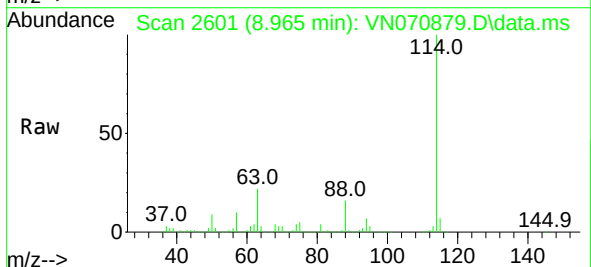
Tgt Ion:114 Resp: 2065269

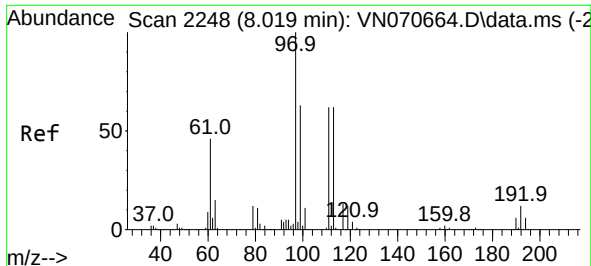
Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

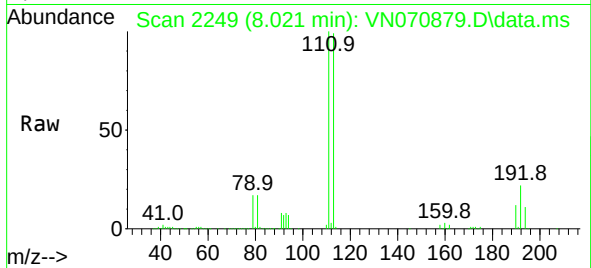
88 16.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 46.740 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. 0.002 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

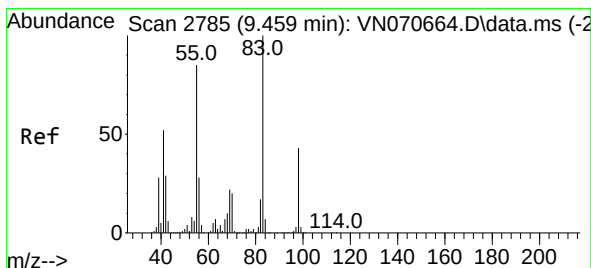
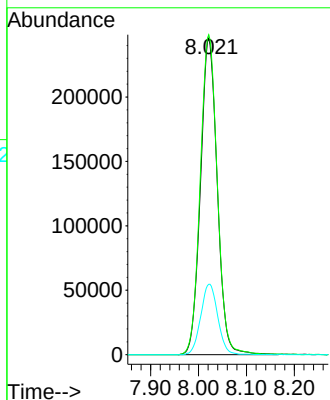
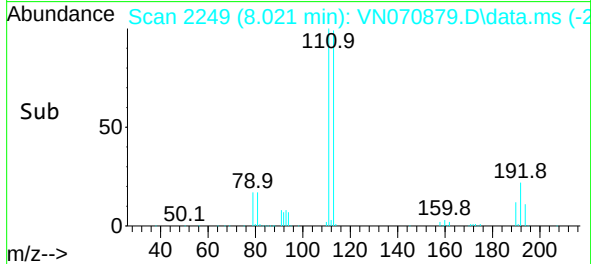
Instrument :
MSVOA_N
ClientSampleId :
31528



Tgt Ion: 113 Resp: 59878
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 22.5 16.9 25.3

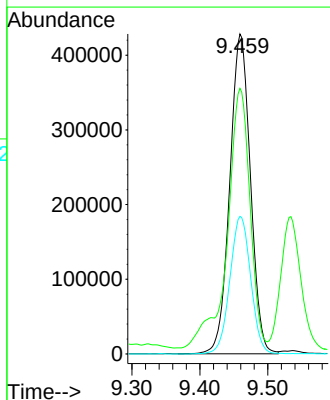
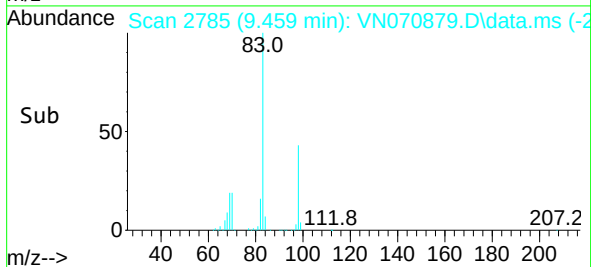
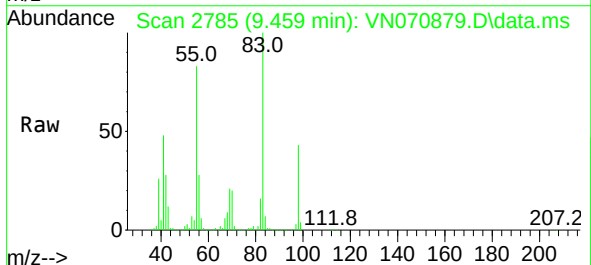
Manual Integrations
APPROVED

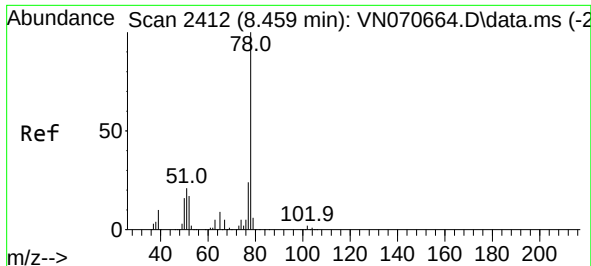
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#39
Methylcyclohexane
Concen: 33.905 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

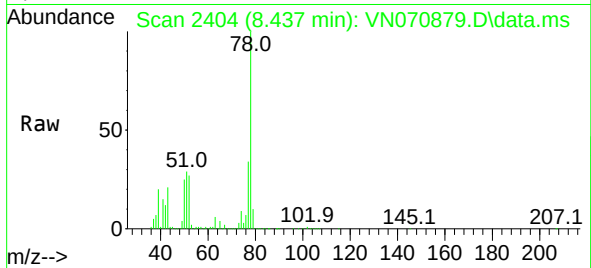
Tgt Ion: 83 Resp: 902727
Ion Ratio Lower Upper
83 100
55 81.1 58.1 87.1
98 43.0 38.4 57.6





#40
Benzene
Concen: 562.600 ug/l m
RT: 8.437 min Scan# 2412
Delta R.T. -0.022 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

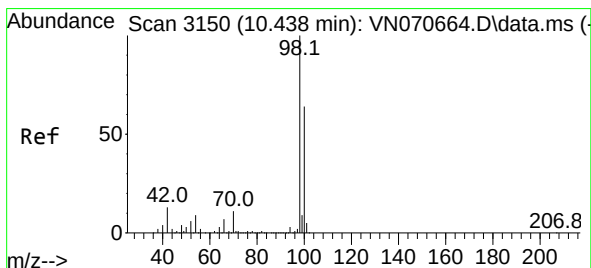
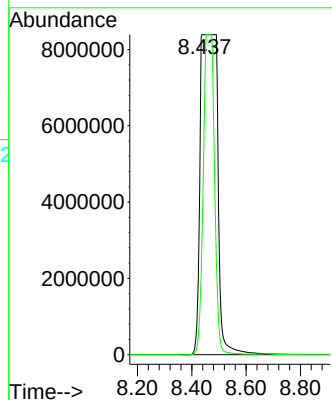
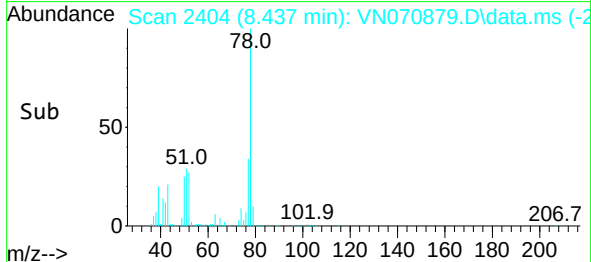
Instrument :
MSVOA_N
ClientSampleId :
31528



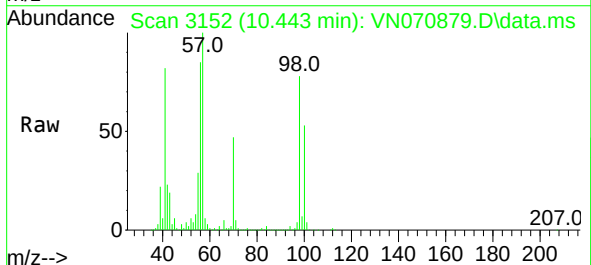
Tgt Ion: 78 Resp: 37596409
Ion Ratio Lower Upper
78 100
77 34.1 18.6 27.8

Manual Integrations
APPROVED

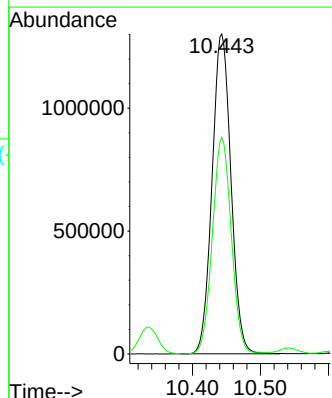
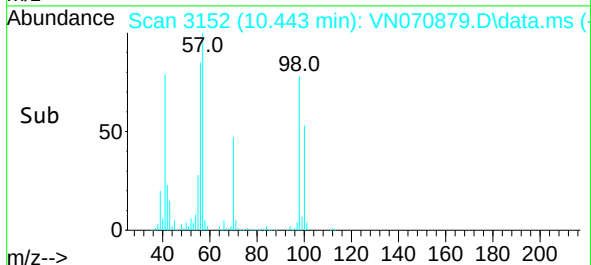
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

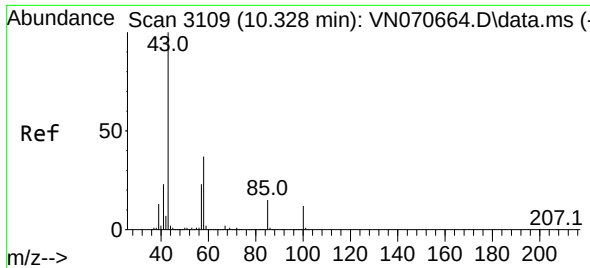


#50
Toluene-d8
Concen: 46.570 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.005 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36



Tgt Ion: 98 Resp: 2513334
Ion Ratio Lower Upper
98 100
100 67.9 50.4 75.6





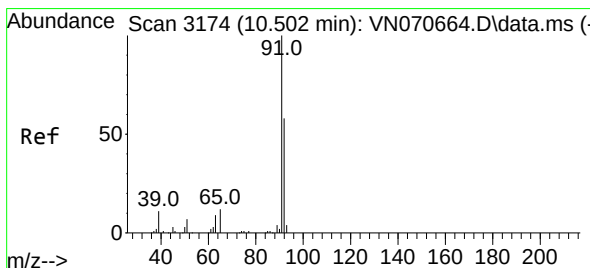
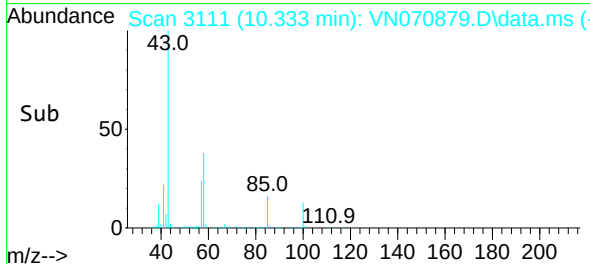
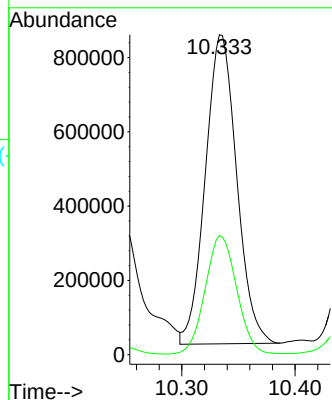
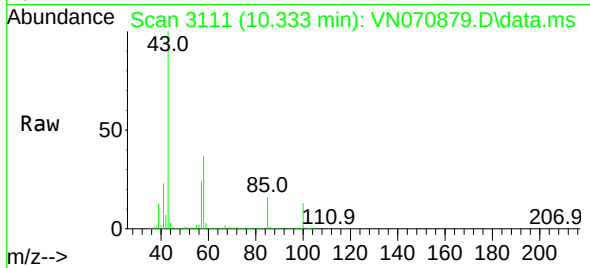
#51
4-Methyl-2-Pentanone
Concen: 57.278 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

Instrument :
MSVOA_N
ClientSampleId :
31528

Tgt Ion: 43 Resp: 159841
Ion Ratio Lower Upper
43 100
58 38.5 30.4 45.6

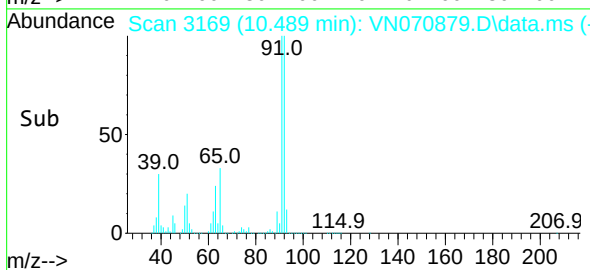
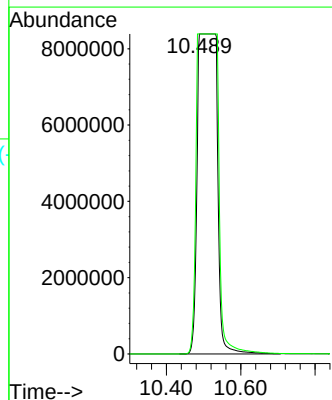
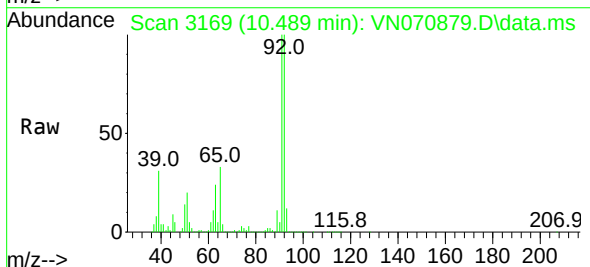
Manual Integrations
APPROVED

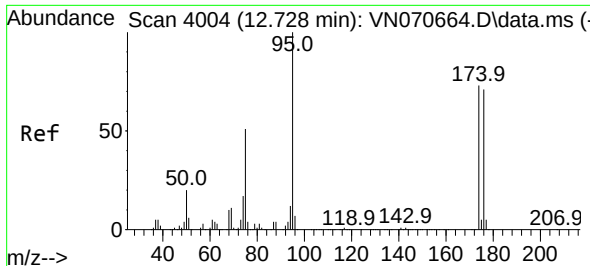
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#52
Toluene
Concen: 769.117 ug/l m
RT: 10.489 min Scan# 3169
Delta R.T. -0.013 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

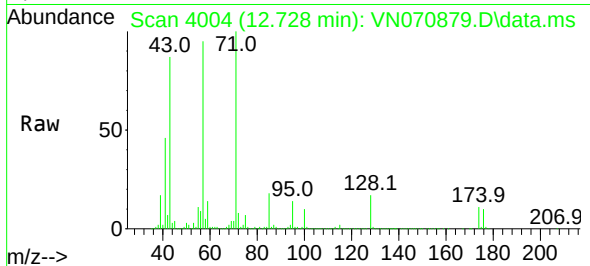
Tgt Ion: 92 Resp:30744360
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0#





#62
4-Bromofluorobenzene
Concen: 47.472 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

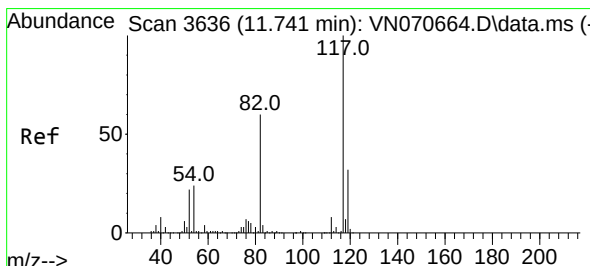
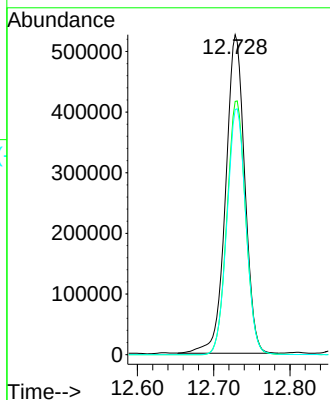
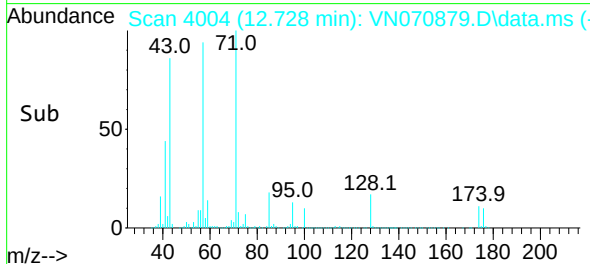
Instrument :
MSVOA_N
ClientSampleId :
31528



Tgt Ion: 95 Resp: 912960
Ion Ratio Lower Upper
95 100
174 78.3 0.0 187.2
176 76.4 0.0 181.4

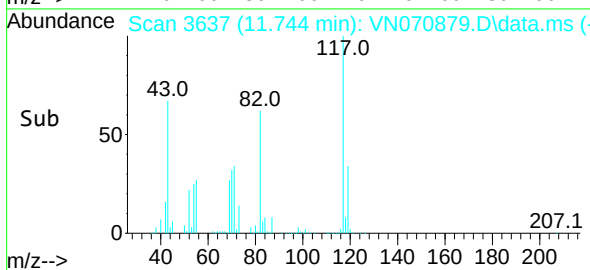
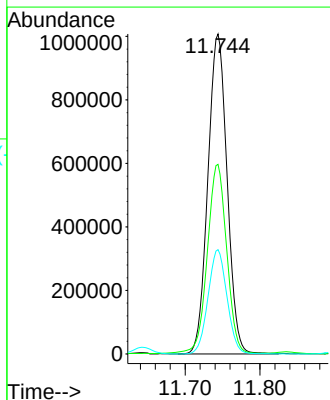
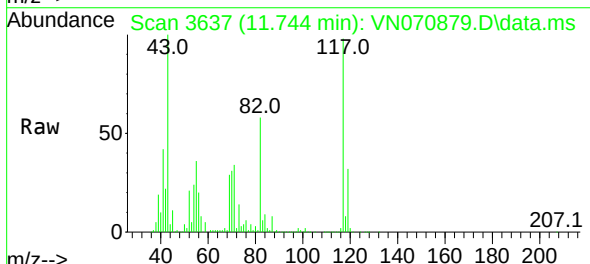
Manual Integrations
APPROVED

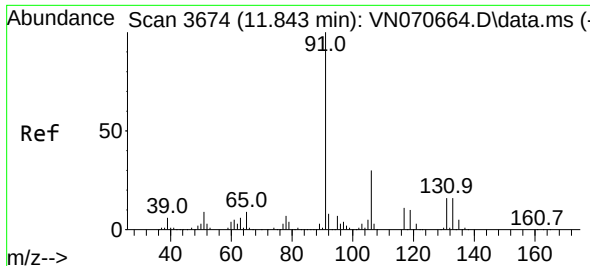
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

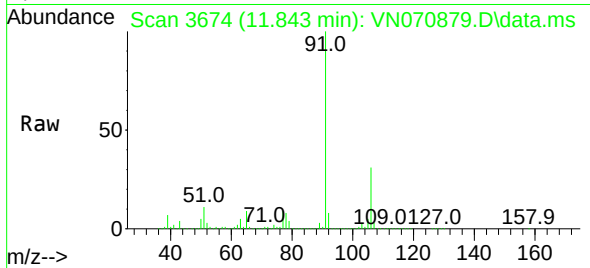
Tgt Ion:117 Resp: 1797468
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 32.6 25.4 38.2





#67
Ethyl Benzene
Concen: 125.792 ug/l
RT: 11.843 min Scan# 301
Delta R.T. 0.000 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

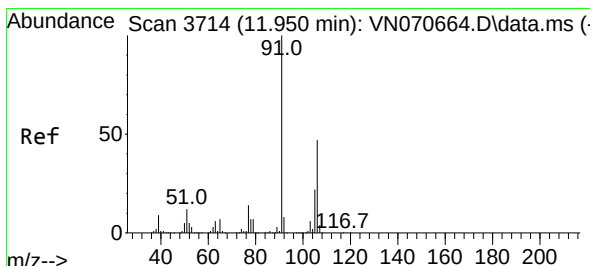
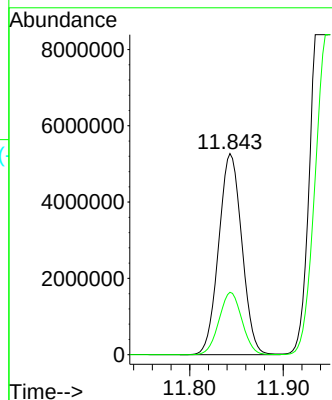
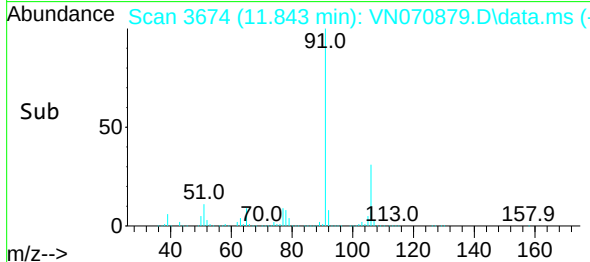
Instrument :
MSVOA_N
ClientSampleId :
31528



Tgt Ion: 91 Resp: 908256
Ion Ratio Lower Upper
91 100
106 31.1 25.7 38.5

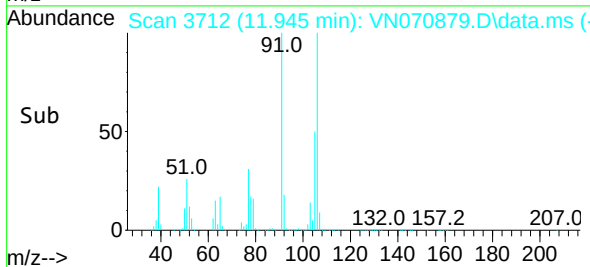
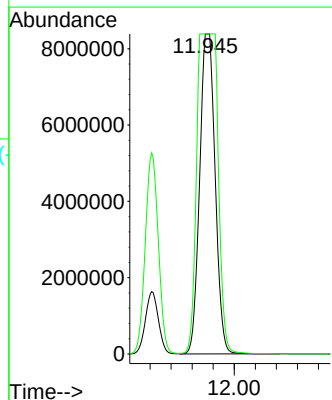
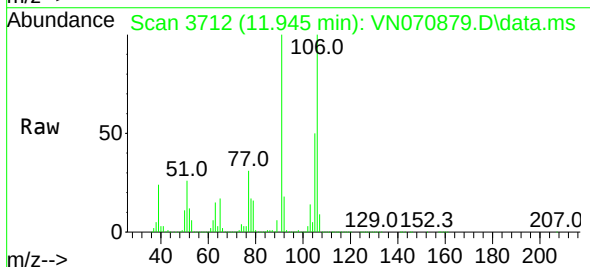
Manual Integrations
APPROVED

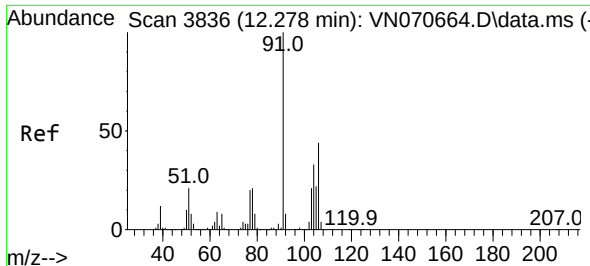
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#68
m/p-Xylenes
Concen: 649.581 ug/l
RT: 11.945 min Scan# 3712
Delta R.T. -0.005 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

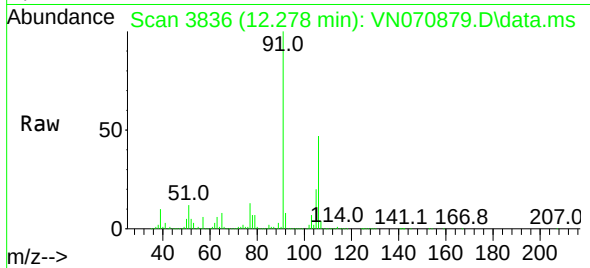
Tgt Ion:106 Resp:17062304
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8#





#69
o-Xylene
Concen: 257.215 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

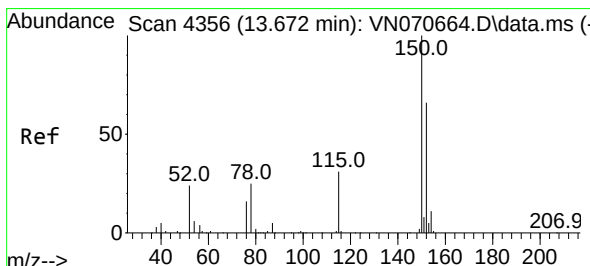
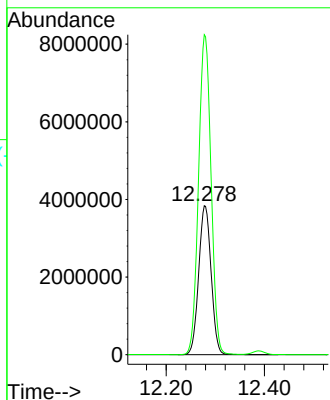
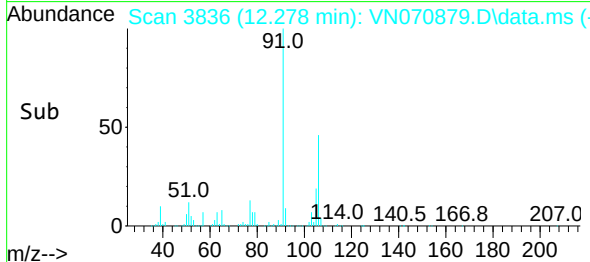
Instrument :
MSVOA_N
ClientSampleId :
31528



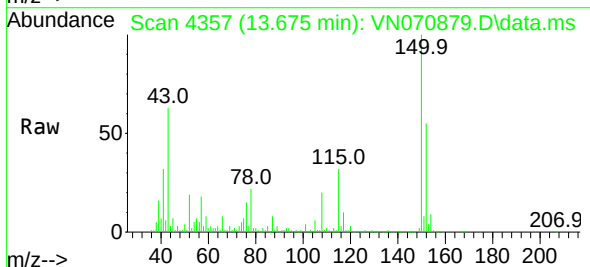
Tgt Ion:106 Resp: 670476
Ion Ratio Lower Upper
106 100
91 216.9 105.8 317.3

Manual Integrations
APPROVED

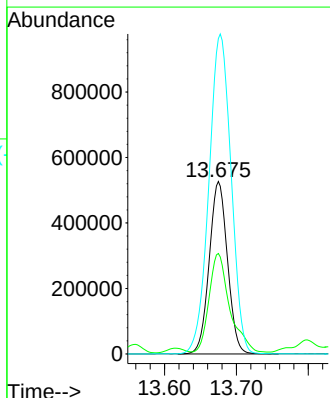
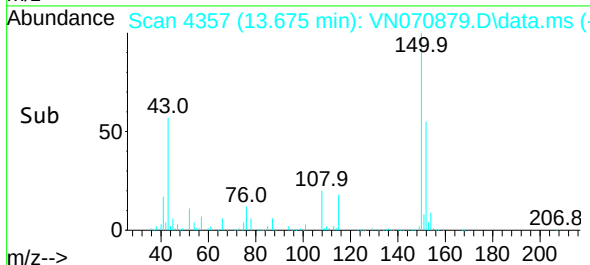
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

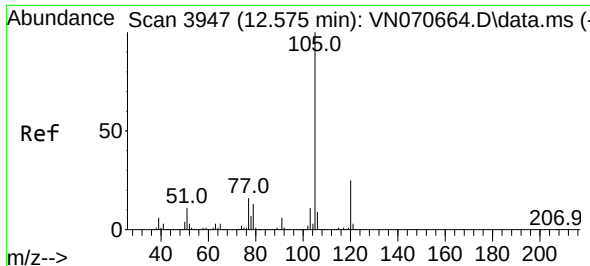


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36



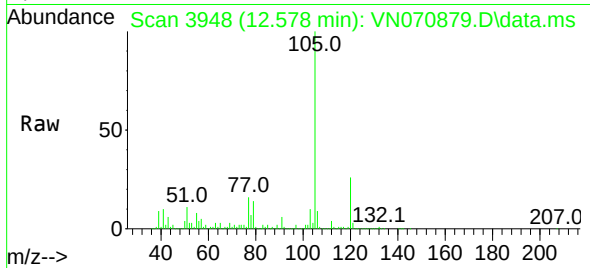
Tgt Ion:152 Resp: 928363
Ion Ratio Lower Upper
152 100
115 64.2 27.5 82.5
150 224.8 0.0 344.4





#73
Isopropylbenzene
Concen: 11.372 ug/l
RT: 12.578 min Scan# 3947
Delta R.T. 0.003 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

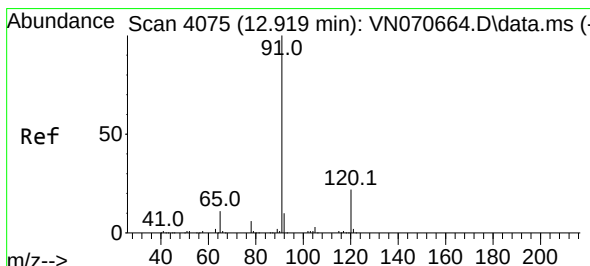
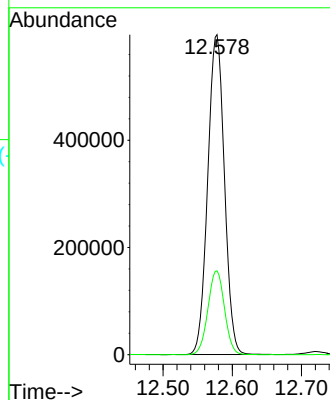
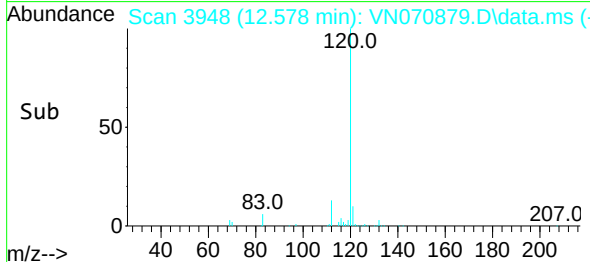
Instrument :
MSVOA_N
ClientSampleId :
31528



Tgt Ion:105 Resp: 998750
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1

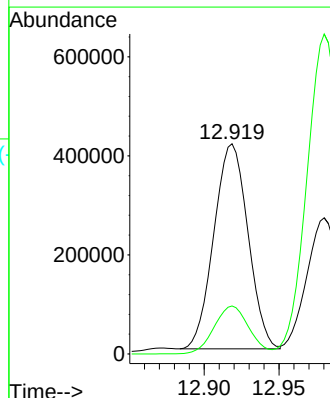
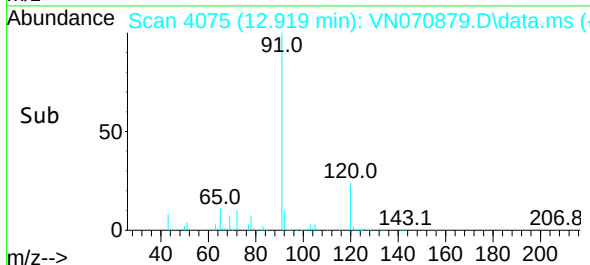
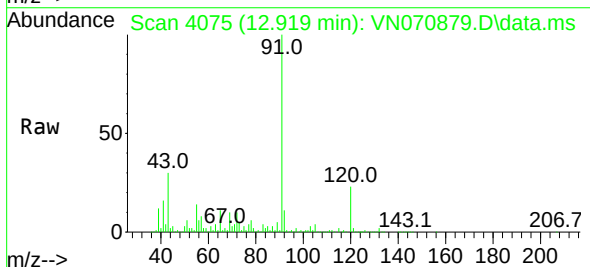
Manual Integrations
APPROVED

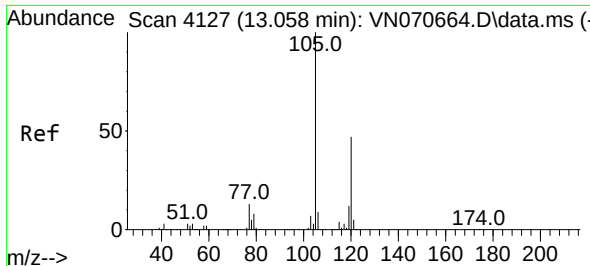
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#78
n-propylbenzene
Concen: 6.699 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

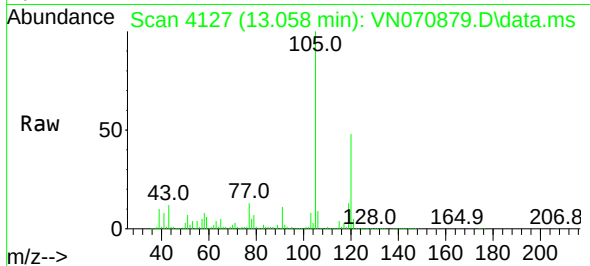
Tgt Ion: 91 Resp: 658003
Ion Ratio Lower Upper
91 100
120 23.9 11.9 35.9





#80
1,3,5-Trimethylbenzene
Concen: 48.592 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

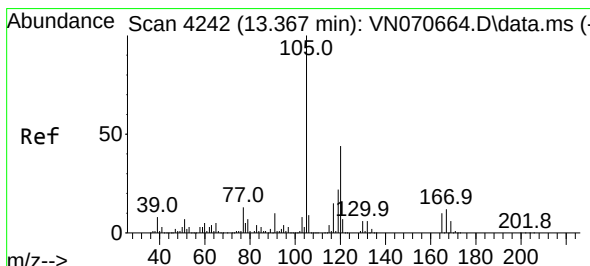
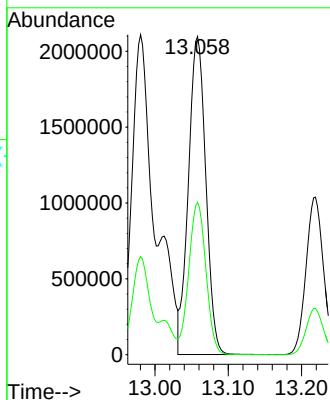
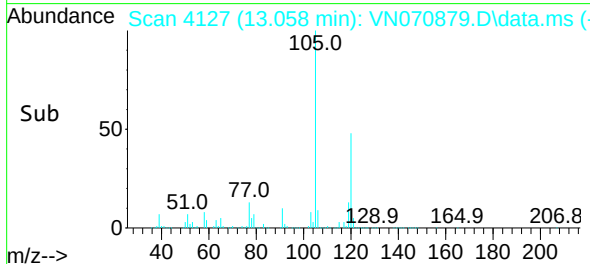
Instrument :
MSVOA_N
ClientSampleId :
31528



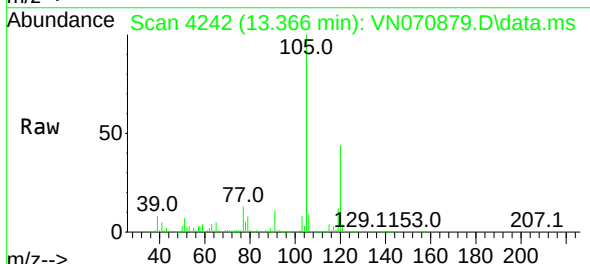
Tgt Ion:105 Resp: 345125
Ion Ratio Lower Upper
105 100
120 47.5 24.6 73.6

Manual Integrations
APPROVED

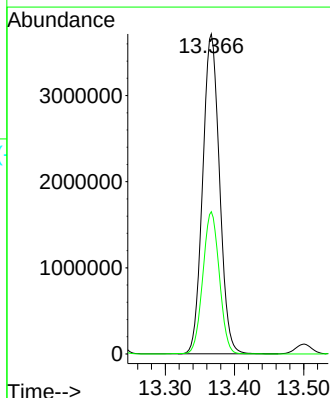
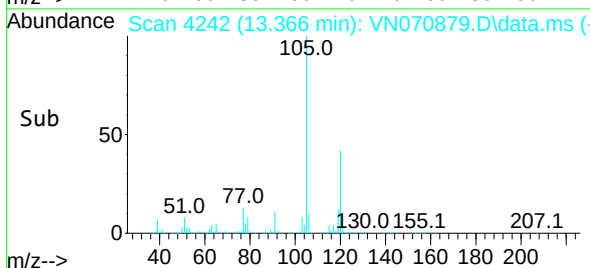
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

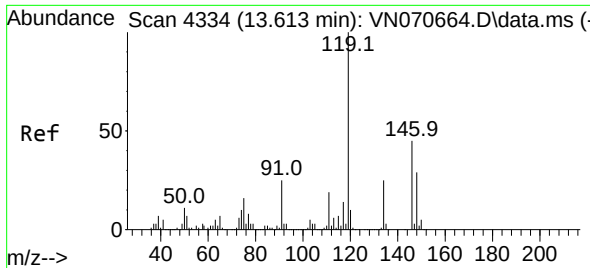


#84
1,2,4-Trimethylbenzene
Concen: 91.846 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.001 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36



Tgt Ion:105 Resp: 6270401
Ion Ratio Lower Upper
105 100
120 43.6 22.8 68.4





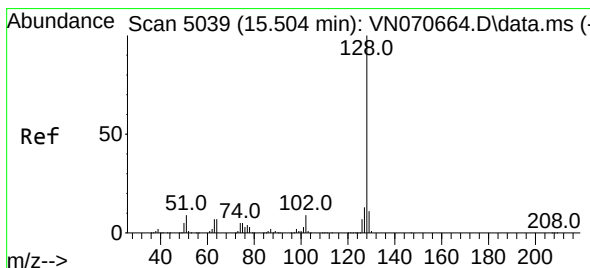
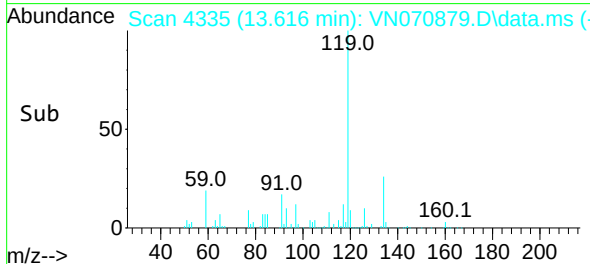
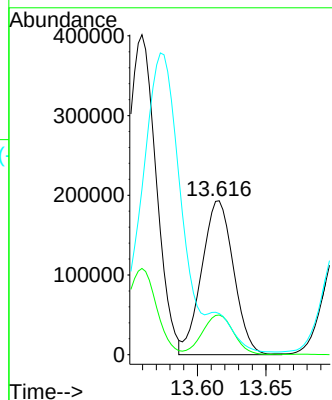
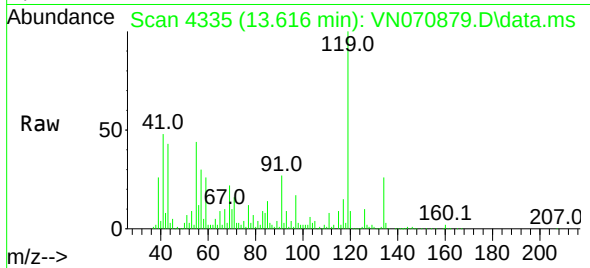
#86
p-Isopropyltoluene
Concen: 4.729 ug/l m
RT: 13.616 min Scan# 4334
Delta R.T. 0.003 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

Instrument :
MSVOA_N
ClientSampleId :
31528

Tgt Ion:119 Resp: 312228
Ion Ratio Lower Upper
119 100
134 23.3 13.6 40.7
91 24.7 11.4 34.1

Manual Integrations
APPROVED

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



#95
Naphthalene
Concen: 32.801 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070879.D
Acq: 1 Feb 2022 18:36

Tgt Ion:128 Resp: 1488072
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 14.3 8.7 13.1#

