

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070881.D
 Acq On : 1 Feb 2022 19:27
 Operator : JC/MD
 Sample : N1342-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31535

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:38:32 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	1372584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2092193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1824759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	981028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.453	65	824842	41.931	ug/l	0.02
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.860%		
35) Dibromofluoromethane	8.021	113	606902	46.764	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.520%		
50) Toluene-d8	10.446	98	2548728	46.618	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.240%		
62) 4-Bromofluorobenzene	12.728	95	920472	47.247	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.500%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.824	74	2606399	236.866	ug/l	84
11) Tert butyl alcohol	5.377	59	8407240	2368.932	ug/l #	90
16) Acetone	4.283	43	14837338	1086.721	ug/l	97
17) Carbon Disulfide	4.532	76	69988	1.697	ug/l	99
18) Methyl Acetate	4.854	43	2888636	107.580	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	5468574	100.812	ug/l #	10
25) 2-Butanone	7.332	43	4605196	268.047	ug/l	93
29) Tetrahydrofuran	7.689	42	103143	9.805	ug/l #	79
31) Cyclohexane	8.096	56	4755900	137.298	ug/l	87
39) Methylcyclohexane	9.459	83	4065996	150.748	ug/l	89
40) Benzene	8.432	78	48627822m	718.312	ug/l	
51) 4-Methyl-2-Pentanone	10.339	43	686392	24.280	ug/l	99
52) Toluene	10.486	92	38819343m	958.627	ug/l	
67) Ethyl Benzene	11.838	91	16783326m	228.970	ug/l	
68) m/p-Xylenes	11.937	106	23525851m	882.260	ug/l	
69) o-Xylene	12.278	106	12021153	454.271	ug/l #	1
73) Isopropylbenzene	12.578	105	2050426	22.093	ug/l	98
78) n-propylbenzene	12.916	91	1383476	13.329	ug/l	97
80) 1,3,5-Trimethylbenzene	13.058	105	5455670	72.690	ug/l	97
83) tert-Butylbenzene	13.321	119	103391	1.583	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	9411634	130.457	ug/l	97
85) sec-Butylbenzene	13.501	105	338030	3.806	ug/l	83
86) p-Isopropyltoluene	13.613	119	418932	6.004	ug/l	98
89) n-Butylbenzene	13.938	91	127878	2.222	ug/l #	64
95) Naphthalene	15.501	128	327946	10.757	ug/l	97

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

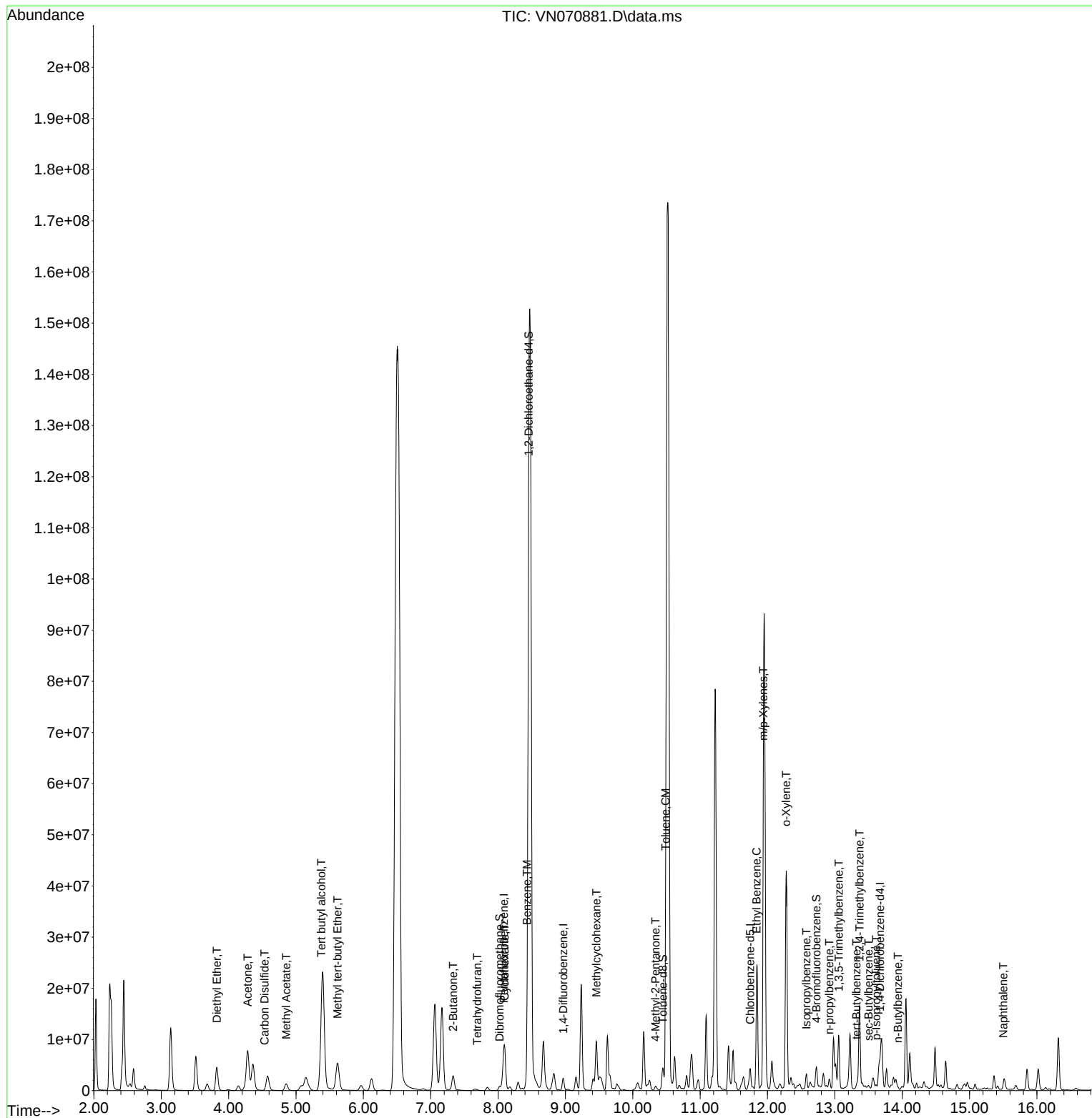
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
Data File : VN070881.D
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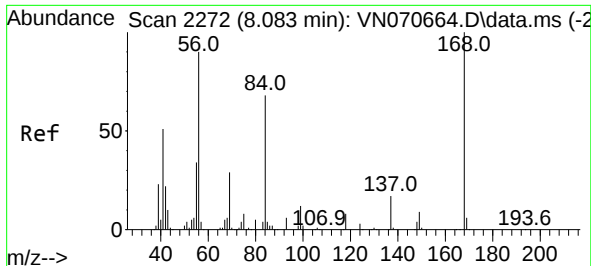
Instrument :
MSVOA_N
ClientSampleId :
31535

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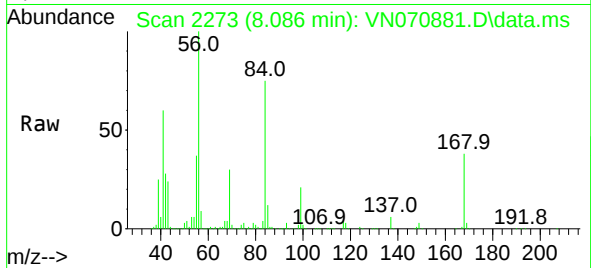
Quant Time: Feb 02 00:38:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

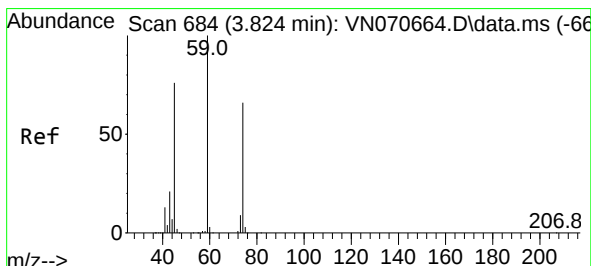
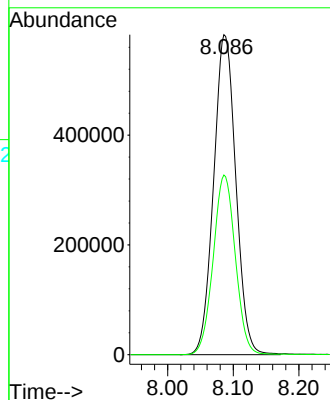
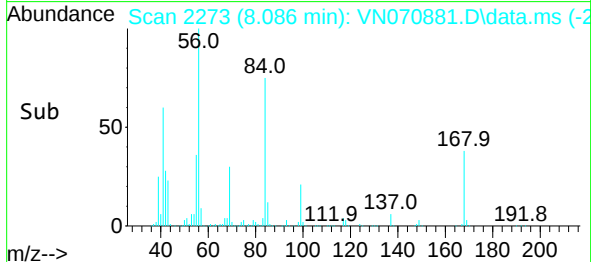
Instrument :
MSVOA_N
ClientSampleId :
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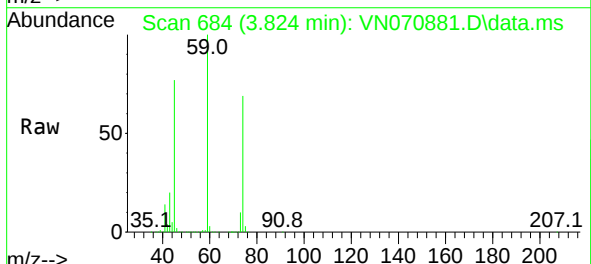
Tgt Ion:168 Resp: 1372584
Ion Ratio Lower Upper
168 100
99 56.1 41.3 61.9

Manual Integrations
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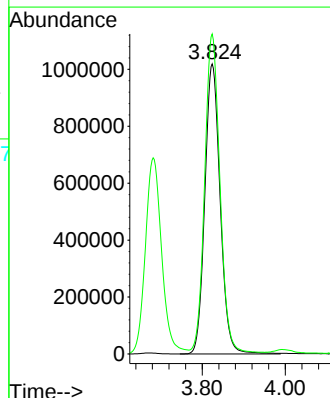
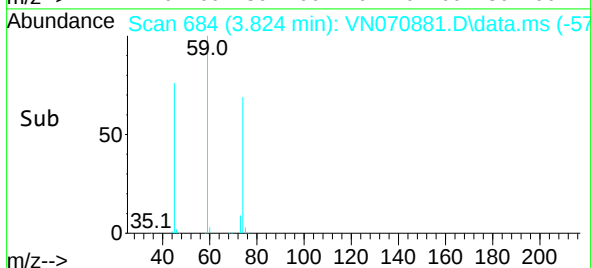
Reviewed By :John Carlone 02/02/2022
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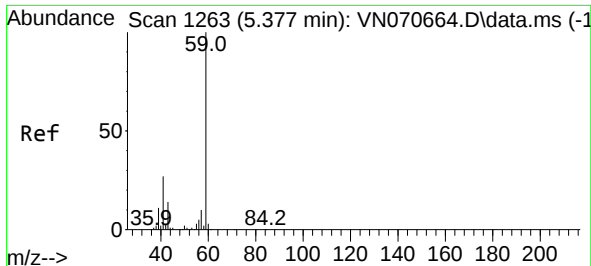


#8
Diethyl Ether
Concen: 236.866 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27



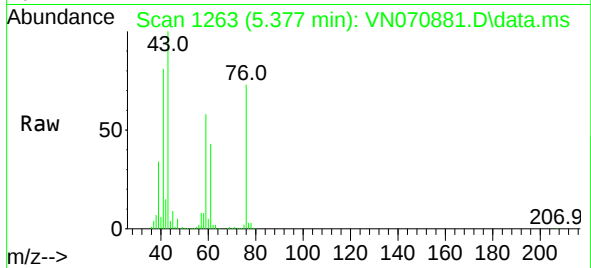
Tgt Ion: 74 Resp: 2606399
Ion Ratio Lower Upper
74 100
45 109.9 47.0 141.2





#11
Tert butyl alcohol
Concen: 2368.932 ug/l
RT: 5.377 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

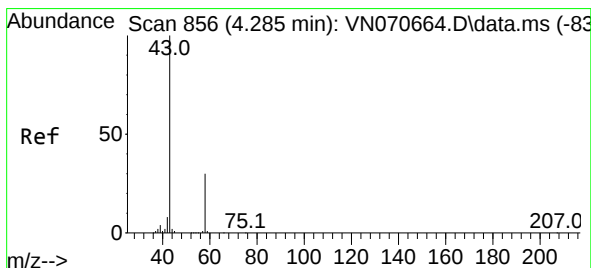
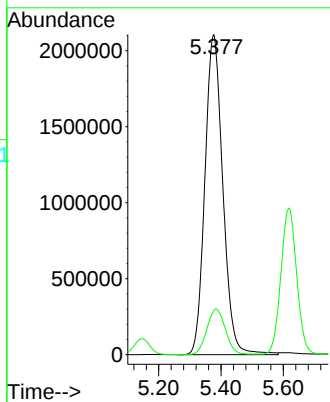
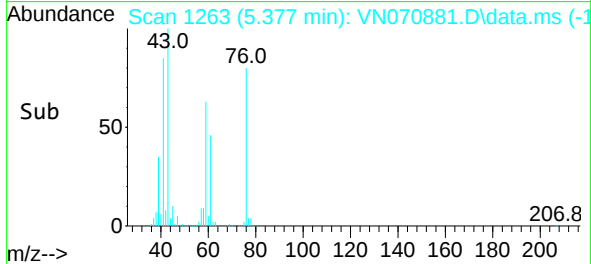
Instrument :
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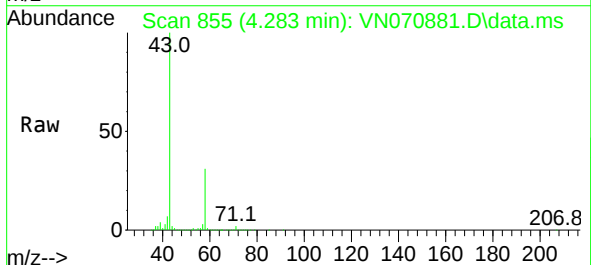
Tgt Ion: 59 Resp: 8407240
Ion Ratio Lower Upper
59 100
57 14.8 8.7 13.1

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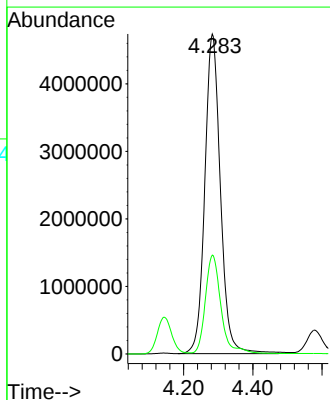
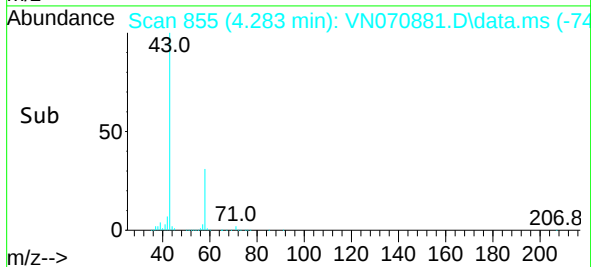
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

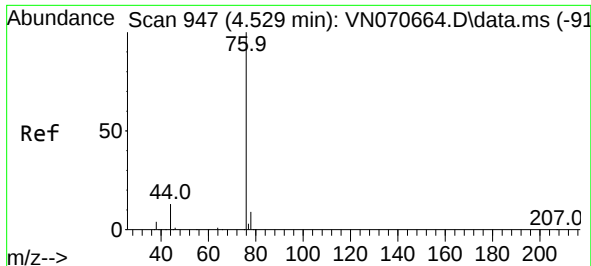


#16
Acetone
Concen: 1086.721 ug/l
RT: 4.283 min Scan# 855
Delta R.T. -0.002 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27



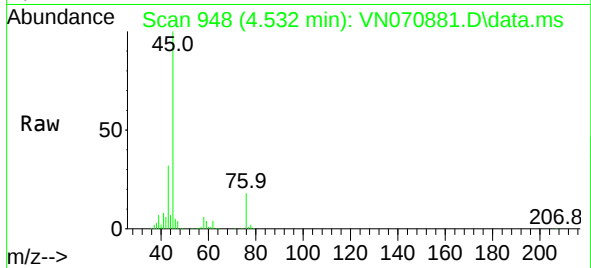
Tgt Ion: 43 Resp:14837338
Ion Ratio Lower Upper
43 100
58 30.8 23.1 34.7





#17
Carbon Disulfide
Concen: 1.697 ug/l
RT: 4.532 min Scan# 947
Delta R.T. 0.003 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

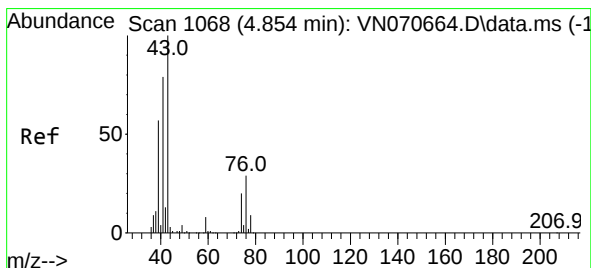
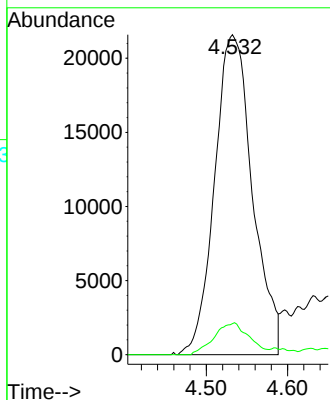
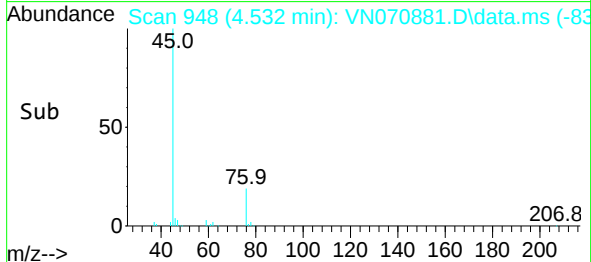
Instrument :
MSVOA_N
ClientSampleId :
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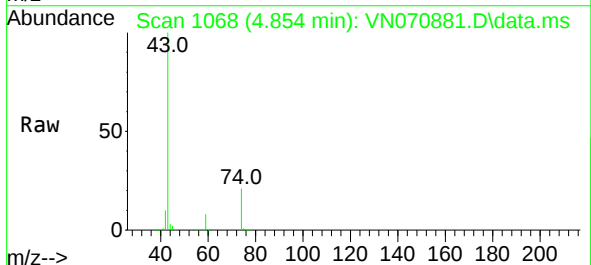
Tgt Ion: 76 Resp: 69988
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3

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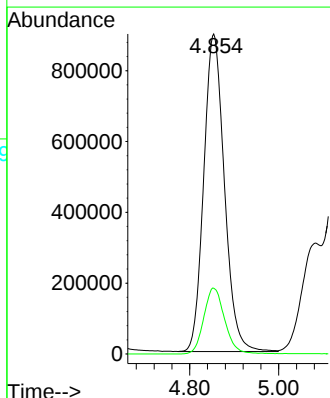
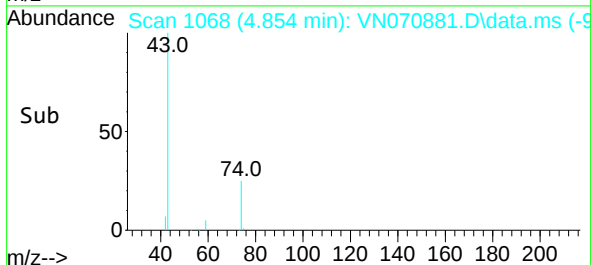
Reviewed By :John Carlone 02/02/2022
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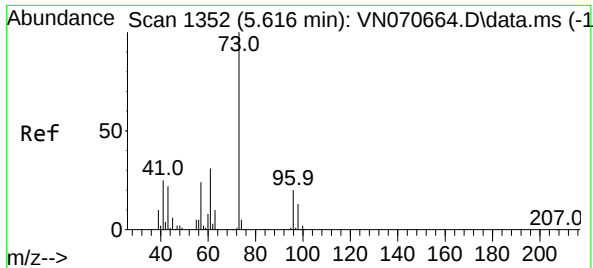


#18
Methyl Acetate
Concen: 107.580 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27



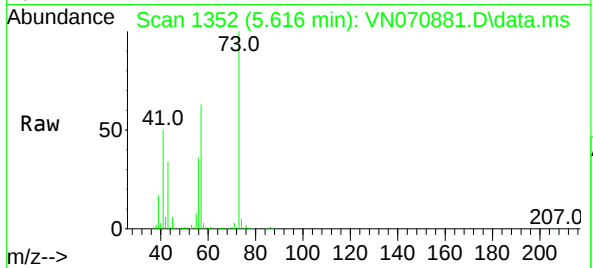
Tgt Ion: 43 Resp: 2888636
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.2





#19
Methyl tert-butyl Ether
Concen: 100.812 ug/l
RT: 5.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

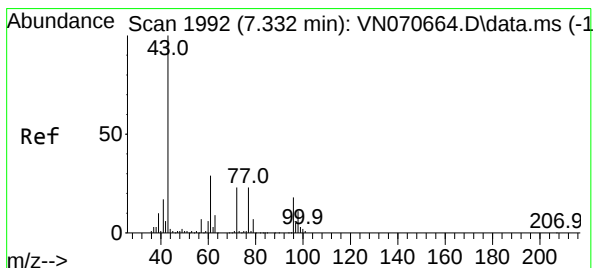
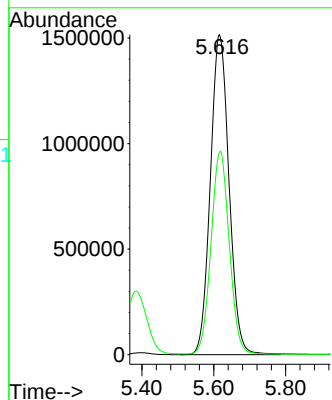
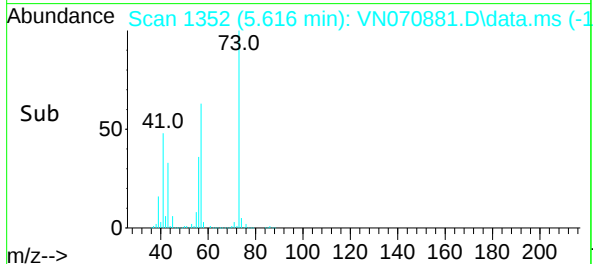
Instrument :
MSVOA_N
ClientSampleId :
31535



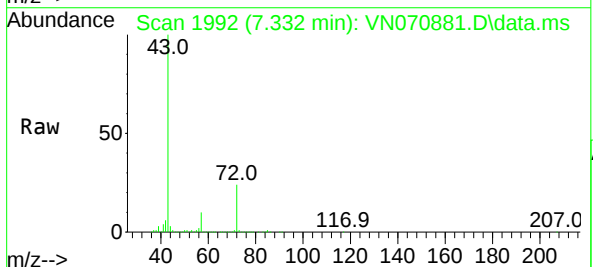
Tgt Ion: 73 Resp: 5468574
Ion Ratio Lower Upper
73 100
57 63.0 16.8 25.2

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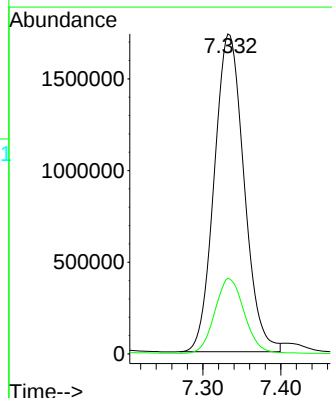
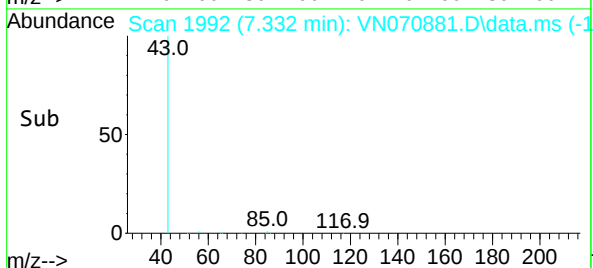
Reviewed By :John Carlone 02/02/2022
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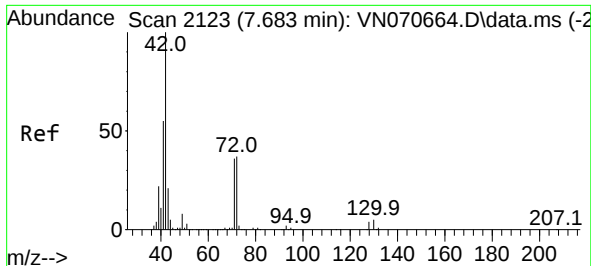


#25
2-Butanone
Concen: 268.047 ug/l
RT: 7.332 min Scan# 1992
Delta R.T. 0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27



Tgt Ion: 43 Resp: 4605196
Ion Ratio Lower Upper
43 100
72 23.6 21.7 32.5





#29

Tetrahydrofuran

Concen: 9.805 ug/l

RT: 7.689 min Scan# 2123

Delta R.T. 0.006 min

Lab File: VN070881.D

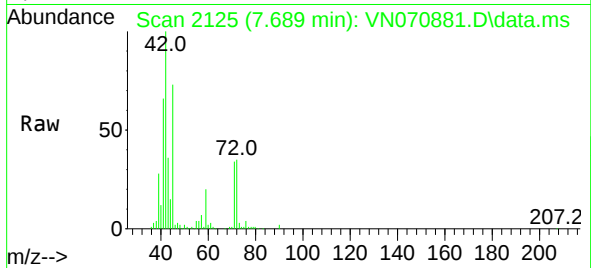
Acq: 1 Feb 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

31535



Tgt Ion: 42 Resp: 10314

Ion Ratio Lower Upper

42 100

72 32.0 36.3 54.5

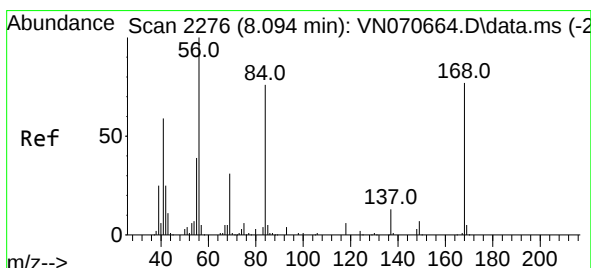
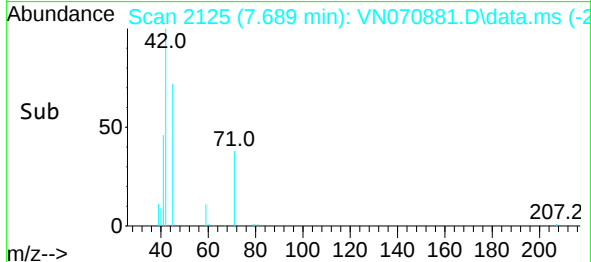
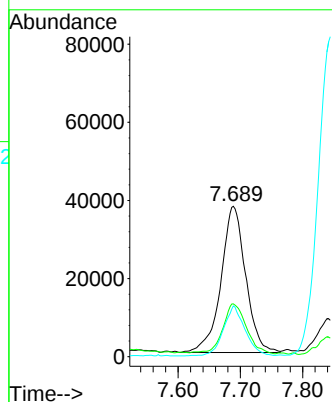
71 29.1 34.7 52.1

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#31

Cyclohexane

Concen: 137.298 ug/l

RT: 8.096 min Scan# 2277

Delta R.T. 0.002 min

Lab File: VN070881.D

Acq: 1 Feb 2022 19:27

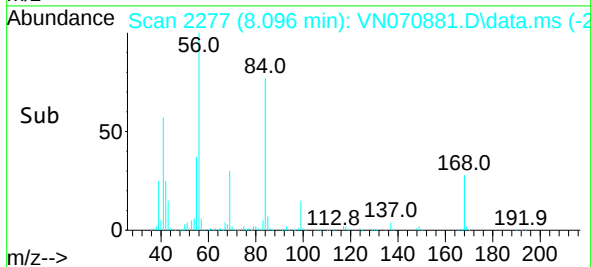
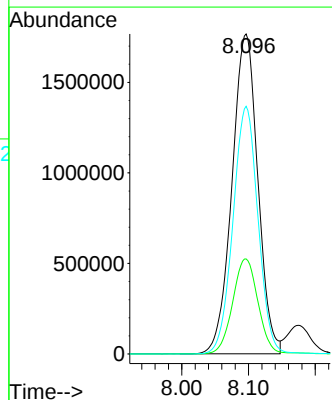
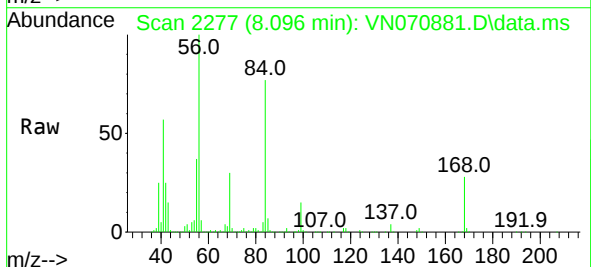
Tgt Ion: 56 Resp: 4755900

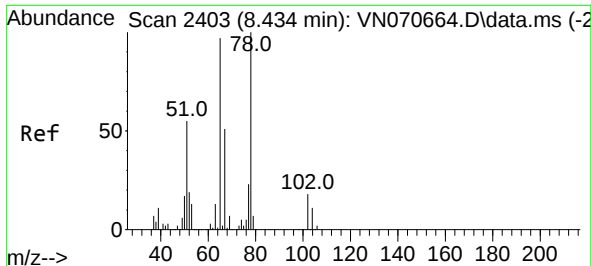
Ion Ratio Lower Upper

56 100

69 29.7 27.1 40.7

84 77.4 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 41.931 ug/l

RT: 8.453 min Scan# 2403

Delta R.T. 0.019 min

Lab File: VN070881.D

Acq: 1 Feb 2022 19:27

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Tgt Ion: 65 Resp: 82484

Ion Ratio Lower Upper

65 100

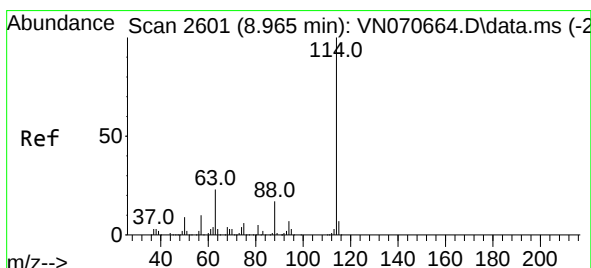
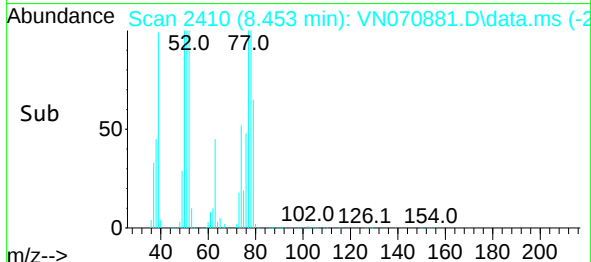
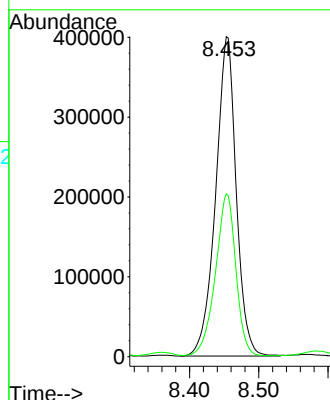
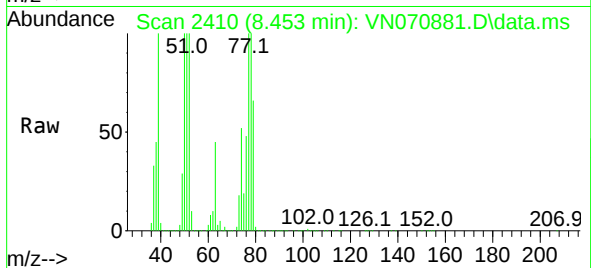
67 50.4 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070881.D

Acq: 1 Feb 2022 19:27

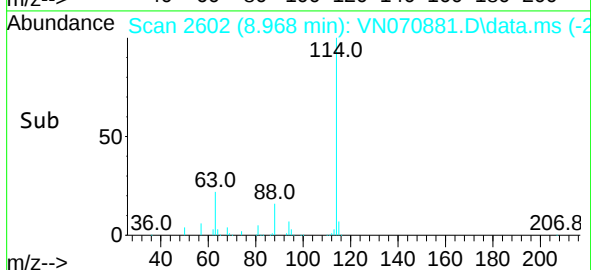
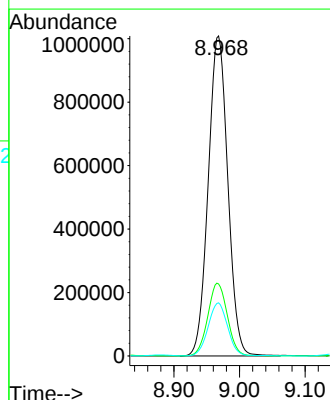
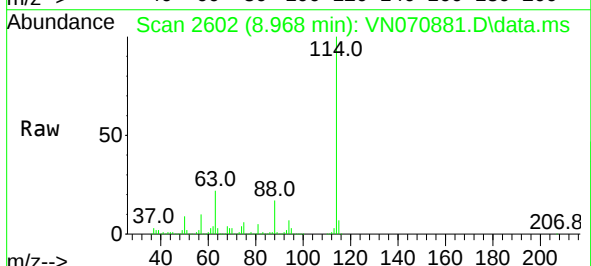
Tgt Ion:114 Resp: 2092193

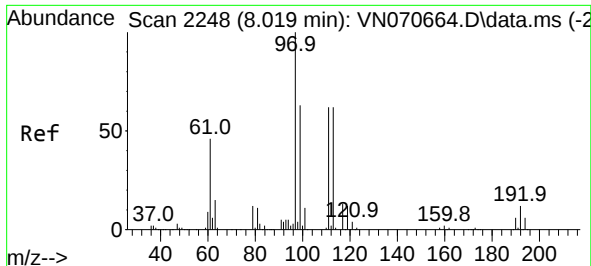
Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

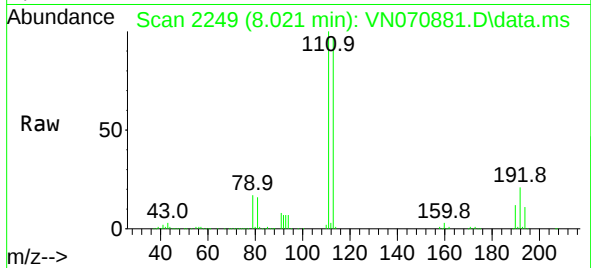
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 46.764 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. 0.002 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

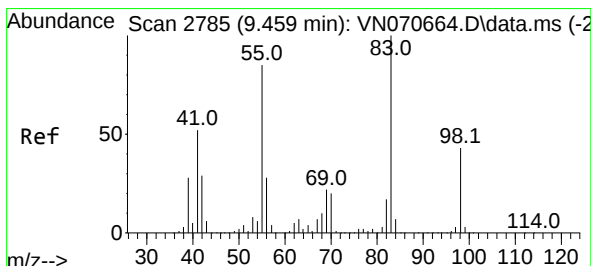
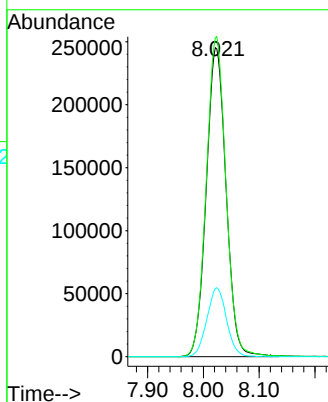
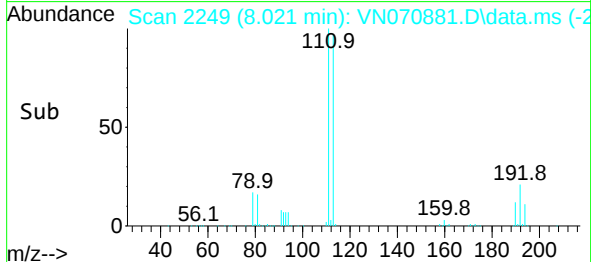
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:113 Resp: 606902
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 22.1 16.9 25.3

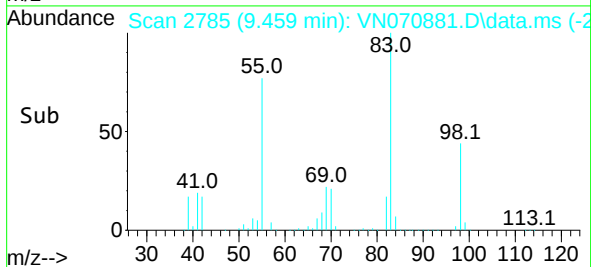
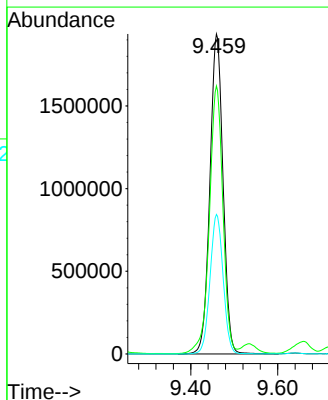
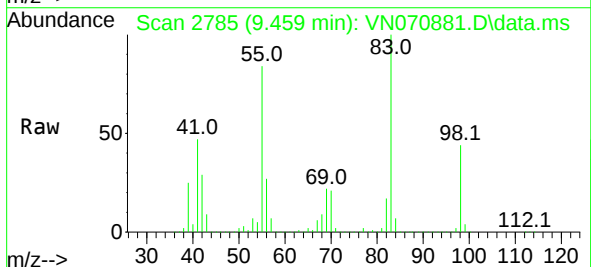
Manual Integrations
APPROVED

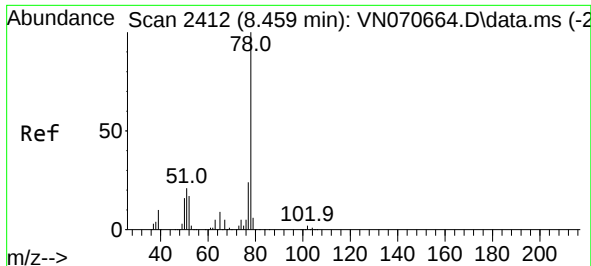
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#39
Methylcyclohexane
Concen: 150.748 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

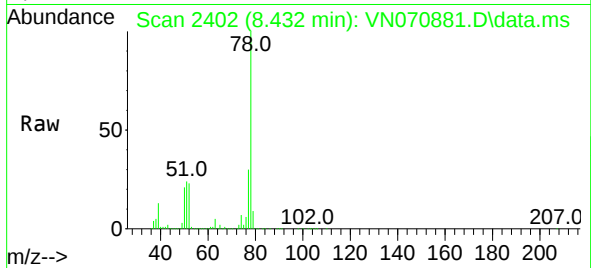
Tgt Ion: 83 Resp: 4065996
Ion Ratio Lower Upper
83 100
55 83.6 58.1 87.1
98 43.6 38.4 57.6





#40
Benzene
Concen: 718.312 ug/l m
RT: 8.432 min Scan# 2412
Delta R.T. -0.027 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

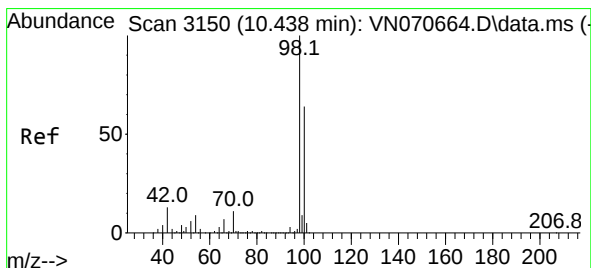
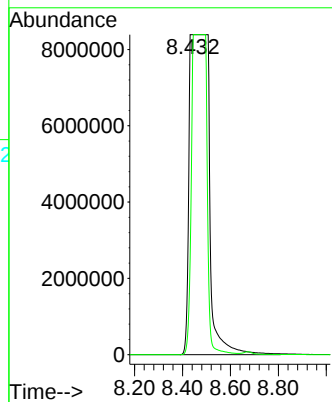
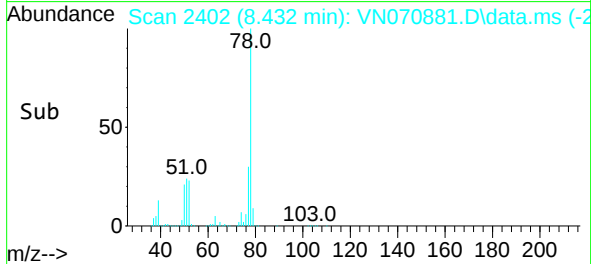
Instrument :
MSVOA_N
ClientSampleId :
31535



Tgt Ion: 78 Resp: 4862782
Ion Ratio Lower Upper
78 100
77 29.6 18.6 27.8

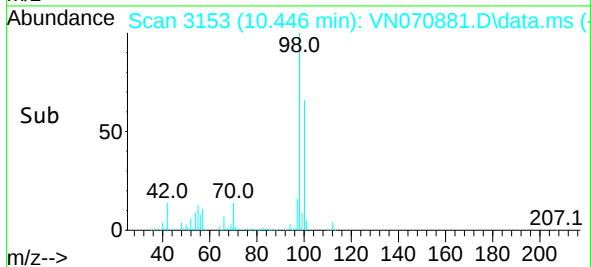
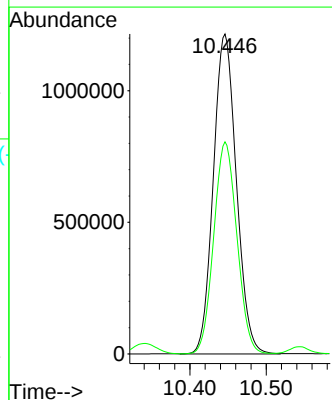
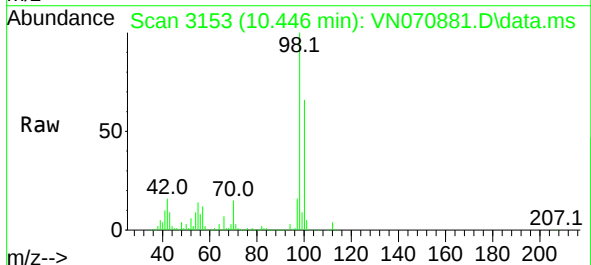
Manual Integrations
APPROVED

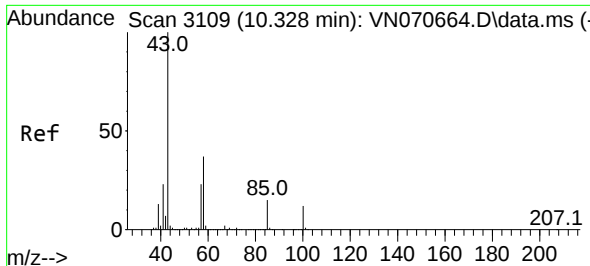
Reviewed By : John Carlone 02/02/2022
Supervised By : Mahesh Dadoda 02/07/2022



#50
Toluene-d8
Concen: 46.618 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.008 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

Tgt Ion: 98 Resp: 2548728
Ion Ratio Lower Upper
98 100
100 66.7 50.4 75.6





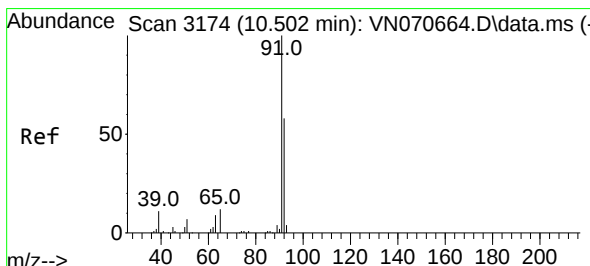
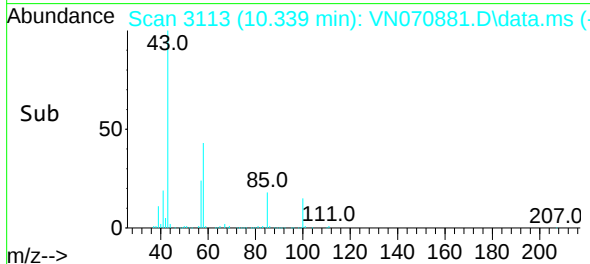
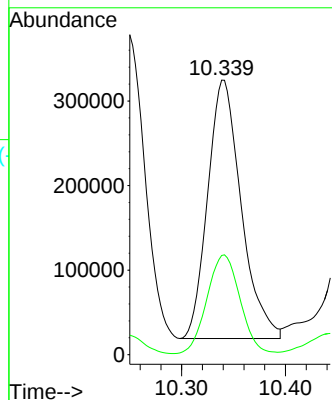
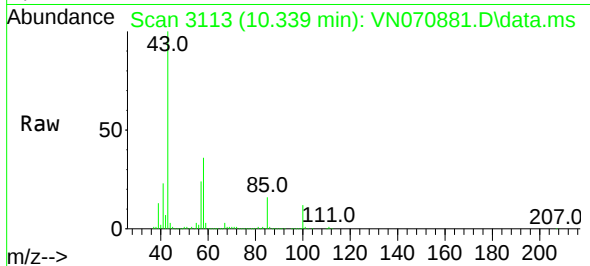
#51
4-Methyl-2-Pentanone
Concen: 24.280 ug/l
RT: 10.339 min Scan# 3109
Delta R.T. 0.011 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

Instrument :
MSVOA_N
ClientSampleId :
31535

Tgt Ion: 43 Resp: 686392
Ion Ratio Lower Upper
43 100
58 37.6 30.4 45.6

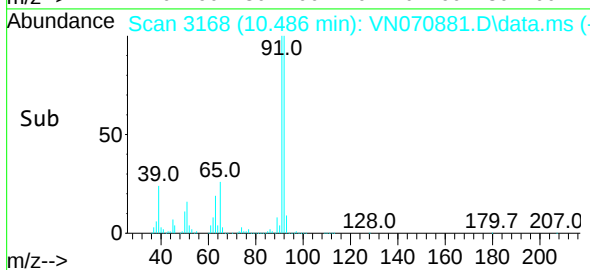
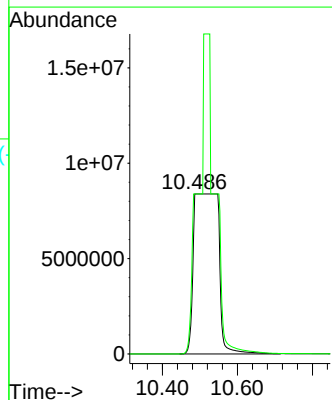
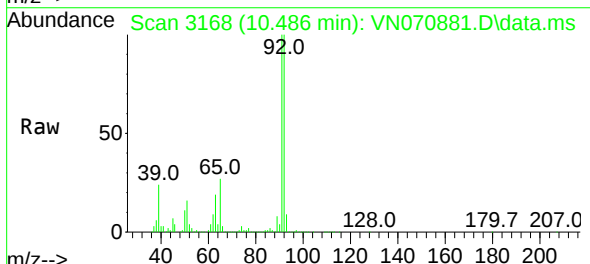
Manual Integrations
APPROVED

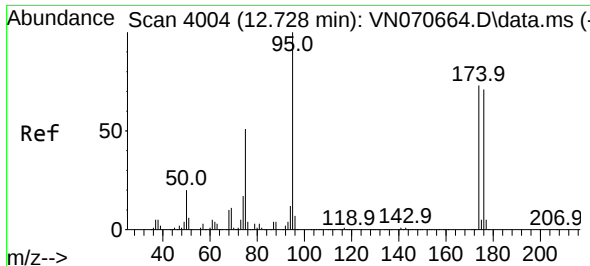
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#52
Toluene
Concen: 958.627 ug/l m
RT: 10.486 min Scan# 3168
Delta R.T. -0.016 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

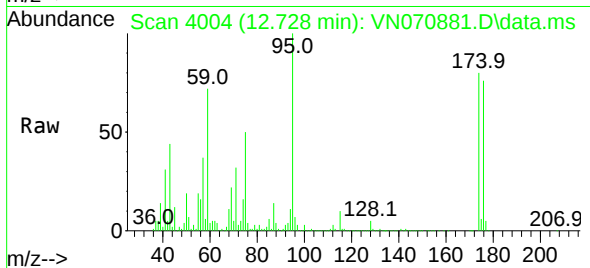
Tgt Ion: 92 Resp:38819343
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0#





#62
4-Bromofluorobenzene
Concen: 47.247 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

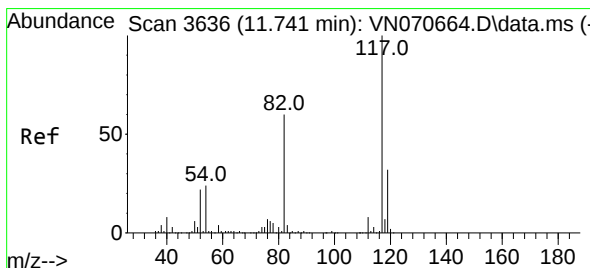
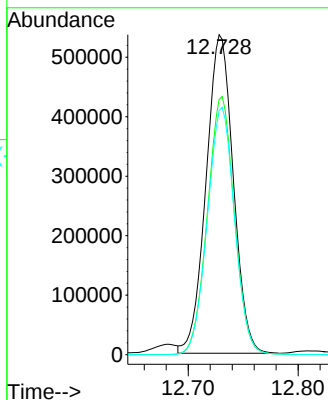
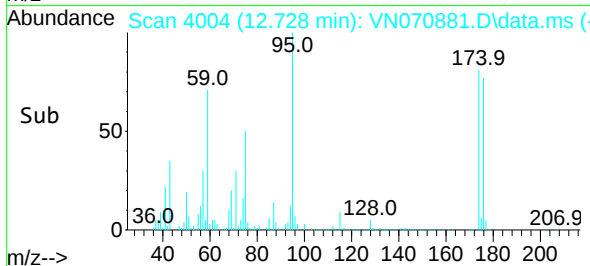
Instrument :
MSVOA_N
ClientSampleId :
31535



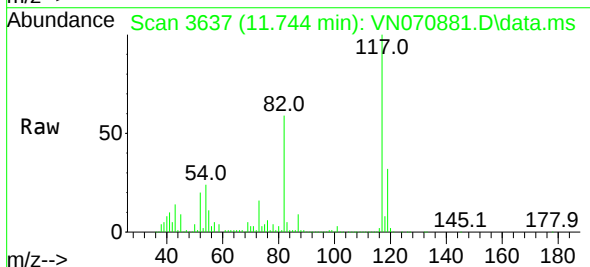
Tgt Ion: 95 Resp: 920472
Ion Ratio Lower Upper
95 100
174 80.3 0.0 187.2
176 77.9 0.0 181.4

Manual Integrations
APPROVED

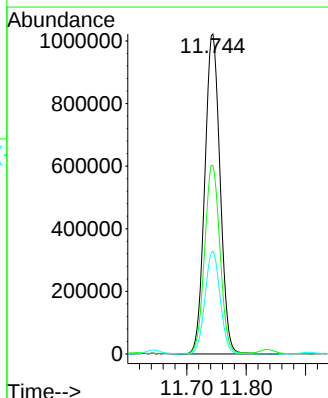
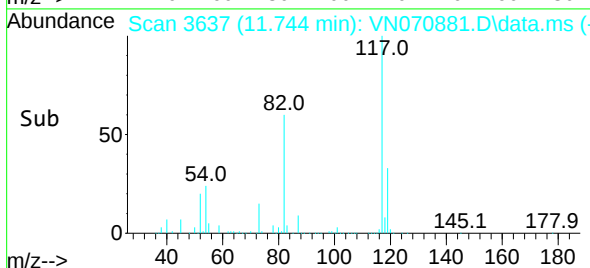
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

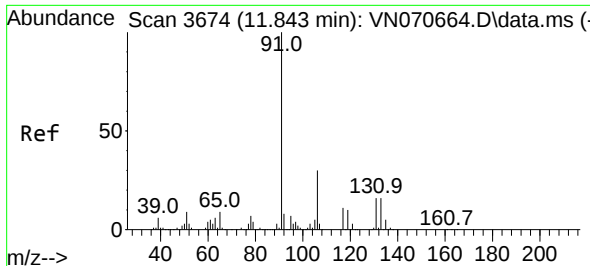


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27



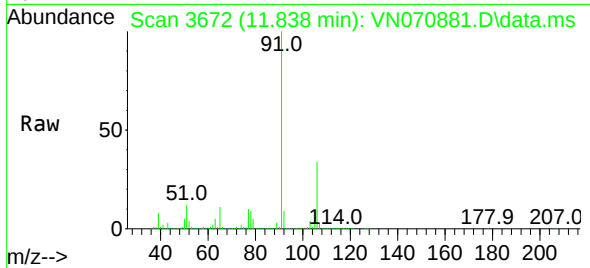
Tgt Ion:117 Resp: 1824759
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 32.1 25.4 38.2





#67
Ethyl Benzene
Concen: 228.970 ug/l m
RT: 11.838 min Scan# 3709
Delta R.T. -0.005 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

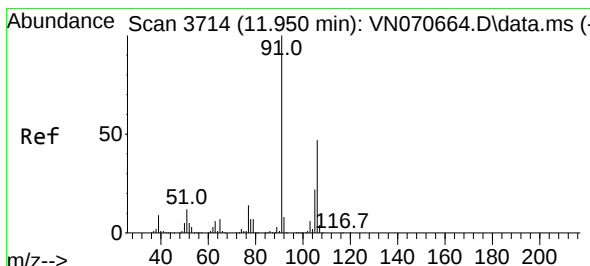
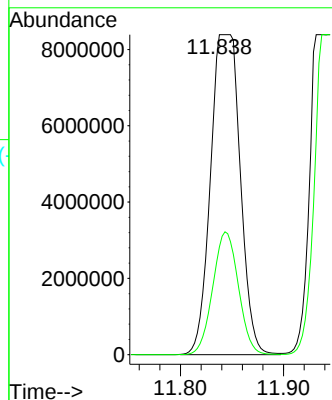
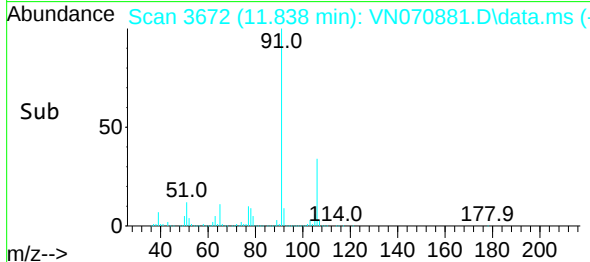
Instrument :
MSVOA_N
ClientSampleId :
31535



Tgt Ion: 91 Resp:16783320
Ion Ratio Lower Upper
91 100
106 33.7 25.7 38.5

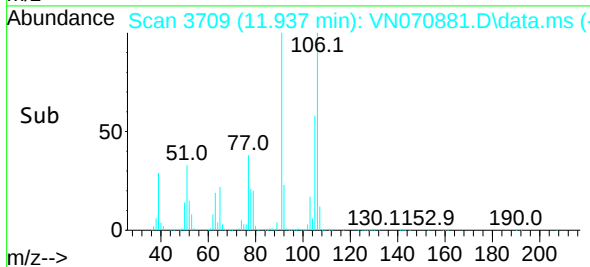
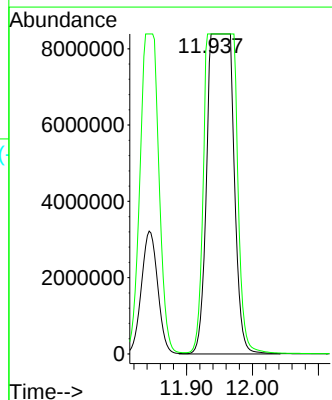
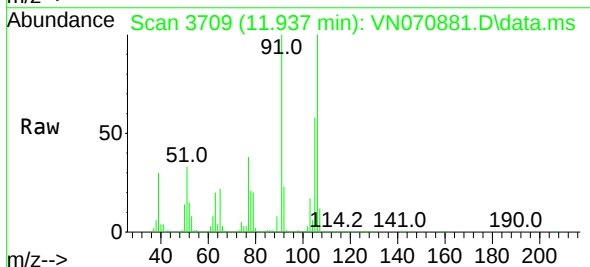
Manual Integrations
APPROVED

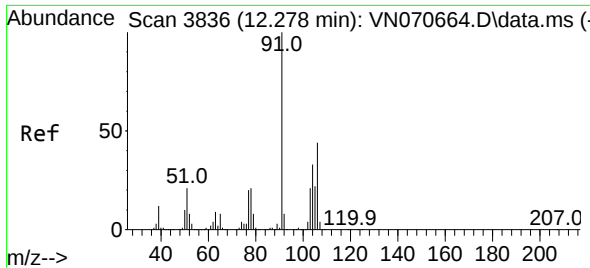
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#68
m/p-Xylenes
Concen: 882.260 ug/l m
RT: 11.937 min Scan# 3709
Delta R.T. -0.013 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

Tgt Ion:106 Resp:23525851
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8#





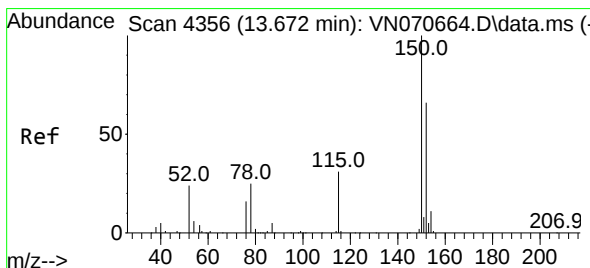
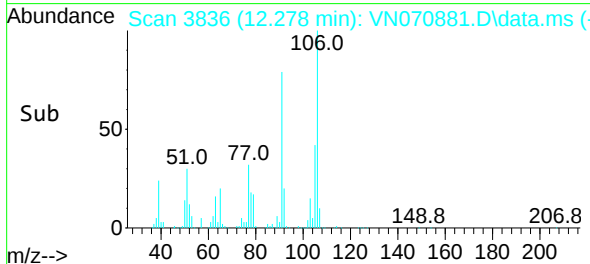
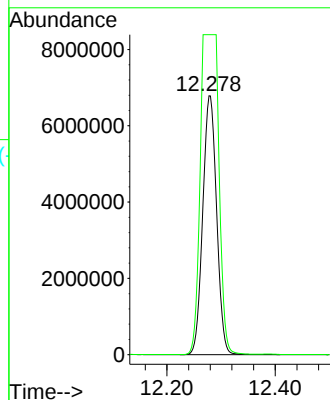
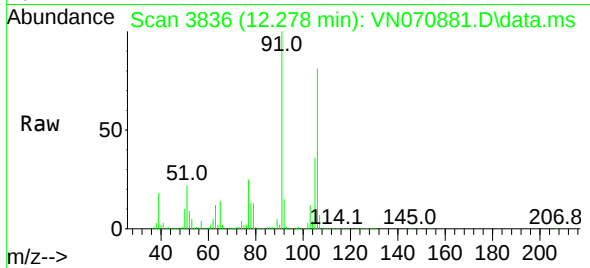
#69
o-Xylene
Concen: 454.271 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

Instrument :
MSVOA_N
ClientSampleId :
31535

Tgt Ion:106 Resp:1202115
Ion Ratio Lower Upper
106 100
91 0.0 105.8 317.3

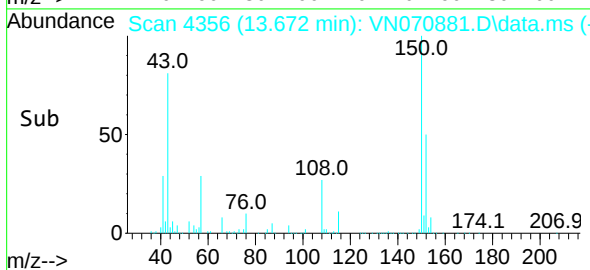
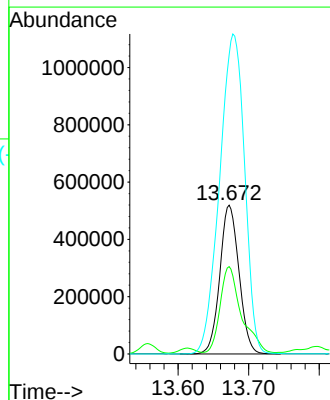
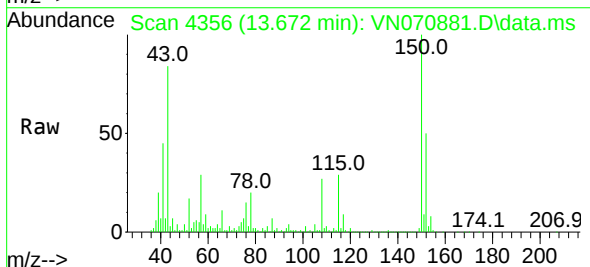
Manual Integrations
APPROVED

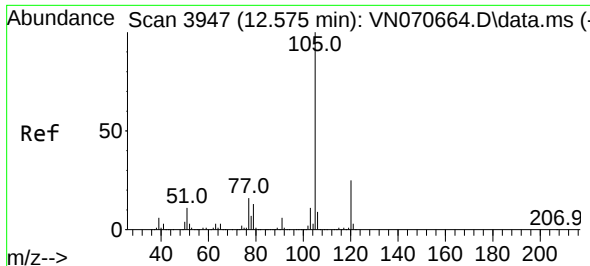
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

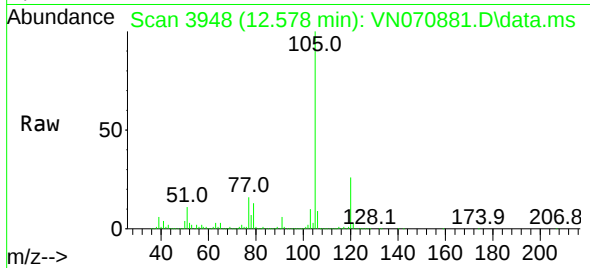
Tgt Ion:152 Resp: 981028
Ion Ratio Lower Upper
152 100
115 63.1 27.5 82.5
150 280.6 0.0 344.4





#73
Isopropylbenzene
Concen: 22.093 ug/l
RT: 12.578 min Scan# 3947
Delta R.T. 0.003 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

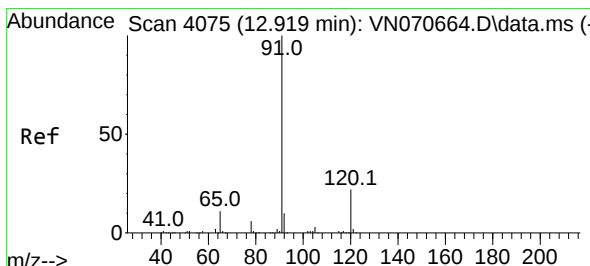
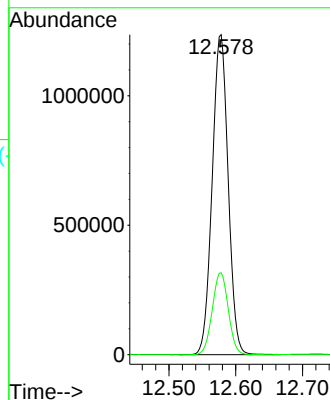
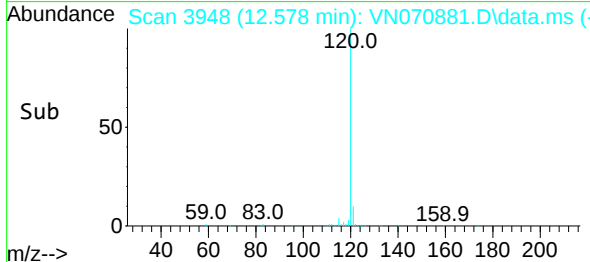
Instrument :
MSVOA_N
ClientSampleId :
31535



Tgt Ion:105 Resp: 2050420
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

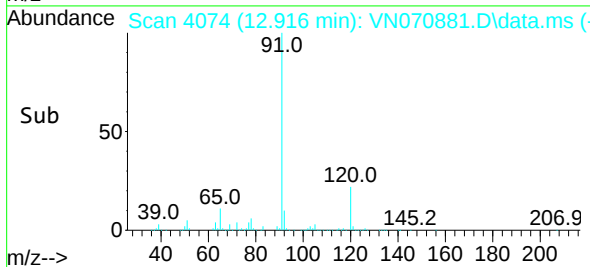
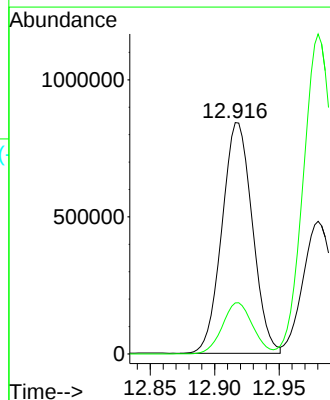
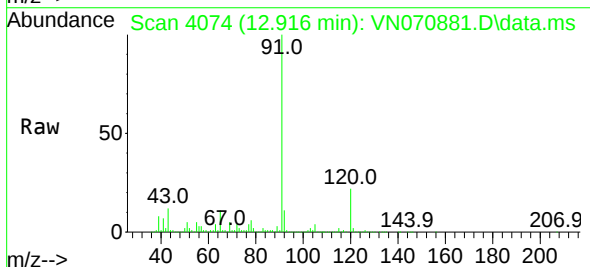
Manual Integrations
APPROVED

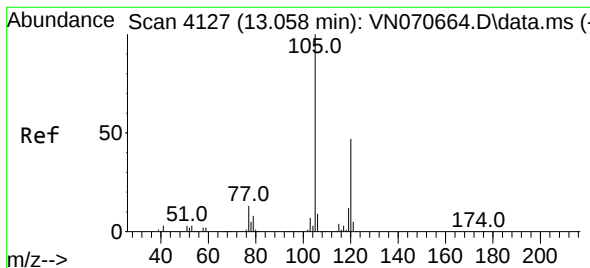
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#78
n-propylbenzene
Concen: 13.329 ug/l
RT: 12.916 min Scan# 4074
Delta R.T. -0.003 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

Tgt Ion: 91 Resp: 1383476
Ion Ratio Lower Upper
91 100
120 22.2 11.9 35.9





#80

1,3,5-Trimethylbenzene

Concen: 72.690 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. 0.000 min

Lab File: VN070881.D

Acq: 1 Feb 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

31535

Tgt Ion:105 Resp: 5455670

Ion Ratio Lower Upper

105 100

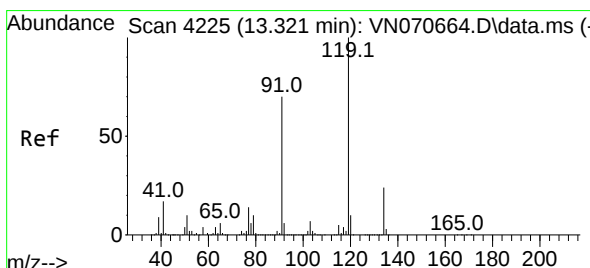
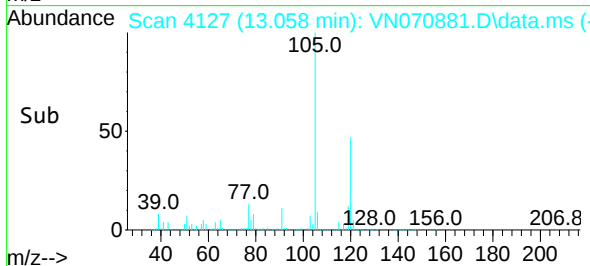
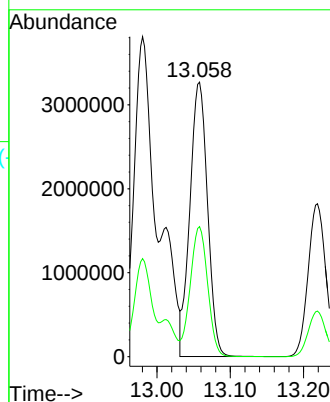
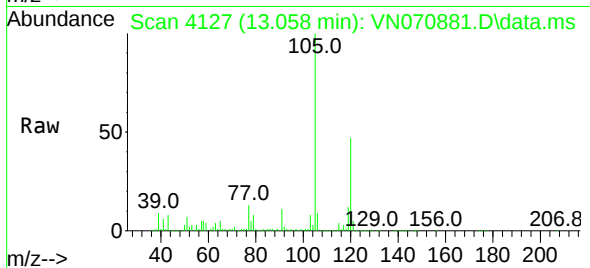
120 47.0 24.6 73.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/02/2022

Supervised By :Mahesh Dadoda 02/07/2022



#83

tert-Butylbenzene

Concen: 1.583 ug/l

RT: 13.321 min Scan# 4225

Delta R.T. -0.000 min

Lab File: VN070881.D

Acq: 1 Feb 2022 19:27

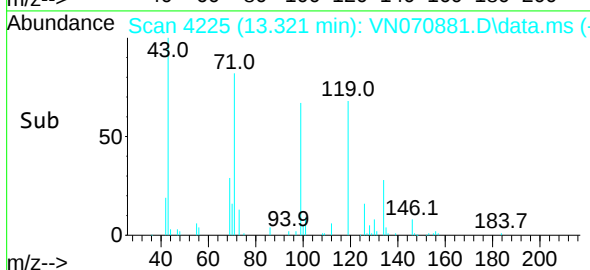
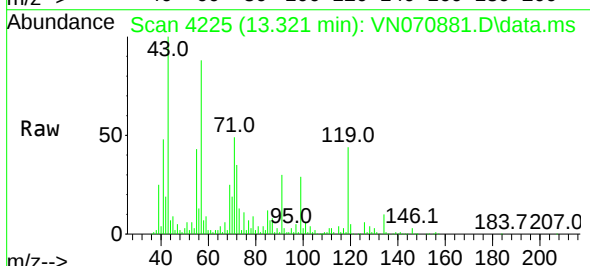
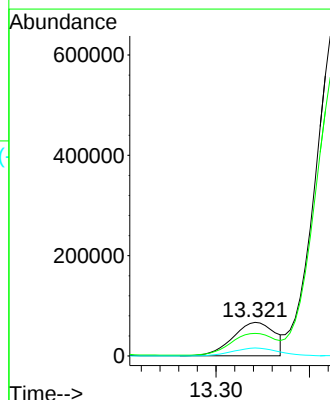
Tgt Ion:119 Resp: 103391

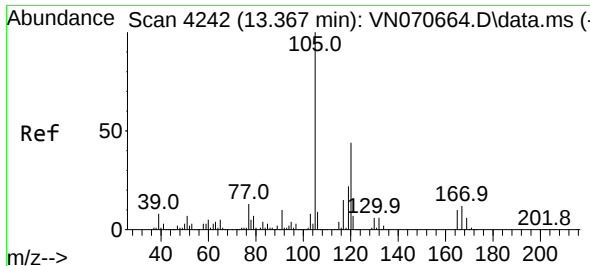
Ion Ratio Lower Upper

119 100

91 68.5 31.5 94.5

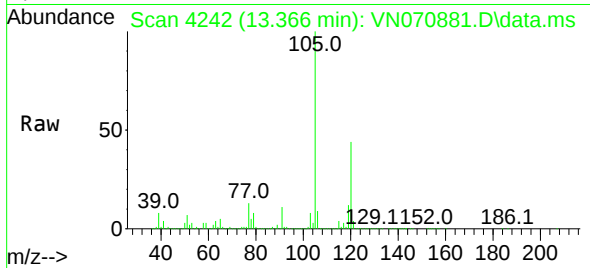
134 26.9 12.4 37.4





#84
1,2,4-Trimethylbenzene
Concen: 130.457 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

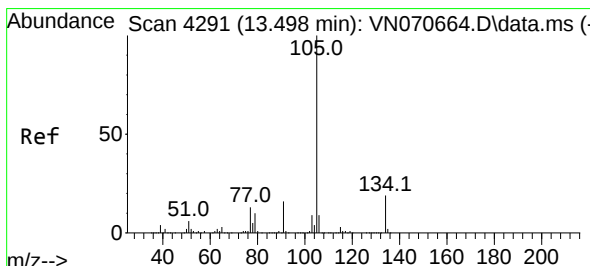
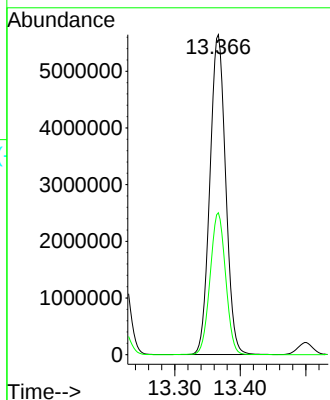
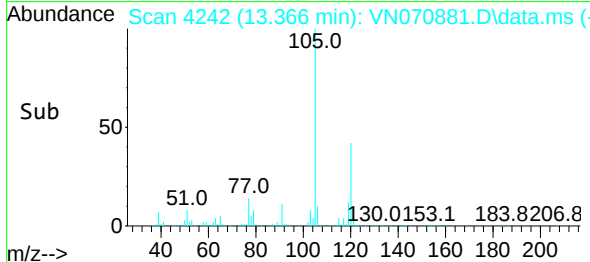
Instrument :
MSVOA_N
ClientSampleId :
31535



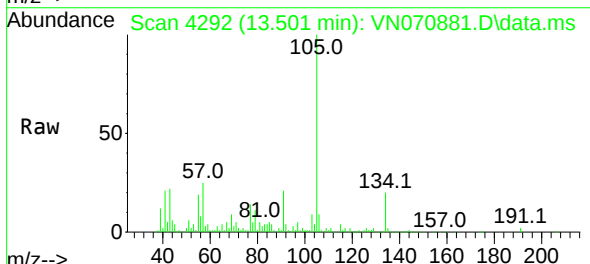
Tgt Ion:105 Resp: 9411634
Ion Ratio Lower Upper
105 100
120 43.8 22.8 68.4

Manual Integrations
APPROVED

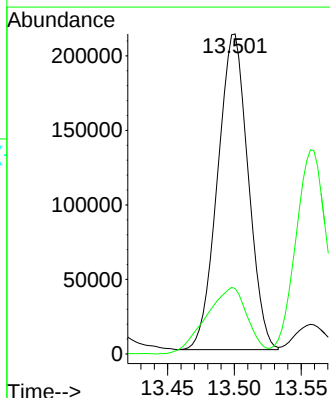
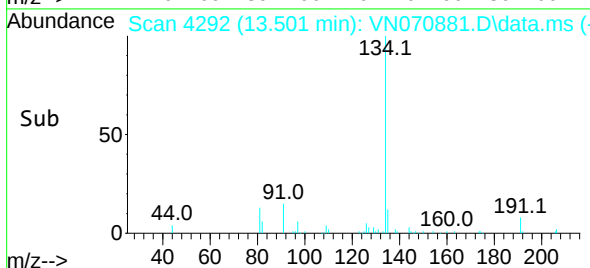
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022

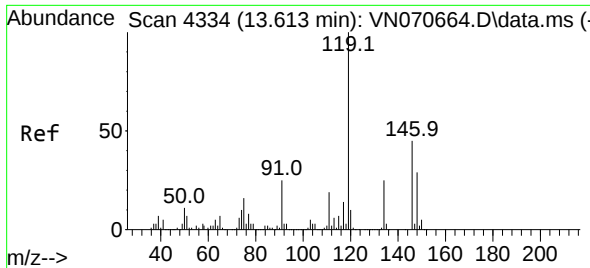


#85
sec-Butylbenzene
Concen: 3.806 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. 0.003 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27



Tgt Ion:105 Resp: 338030
Ion Ratio Lower Upper
105 100
134 28.4 10.4 31.1





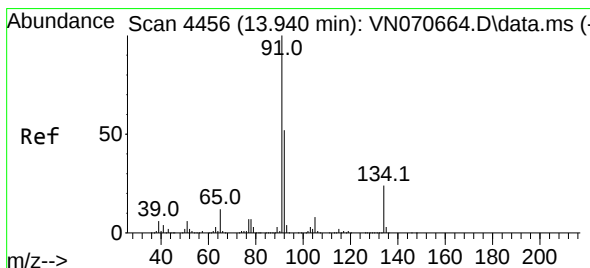
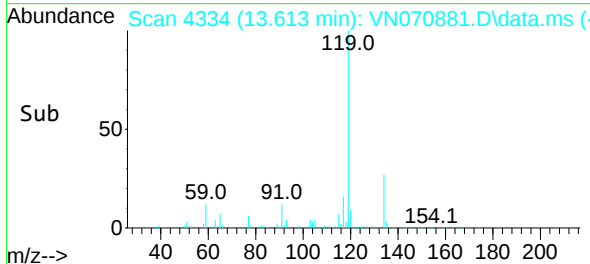
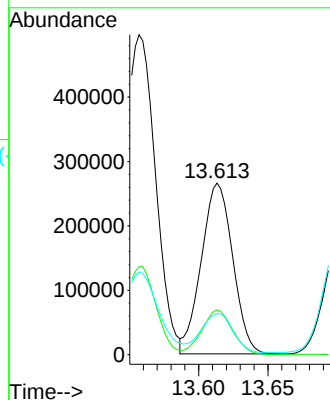
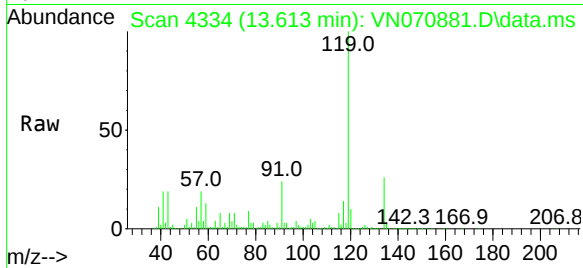
#86
p-Isopropyltoluene
Concen: 6.004 ug/l
RT: 13.613 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

Instrument :
MSVOA_N
ClientSampleId :
31535

Tgt Ion:119 Resp: 418932
Ion Ratio Lower Upper
119 100
134 25.6 13.6 40.7
91 23.5 11.4 34.1

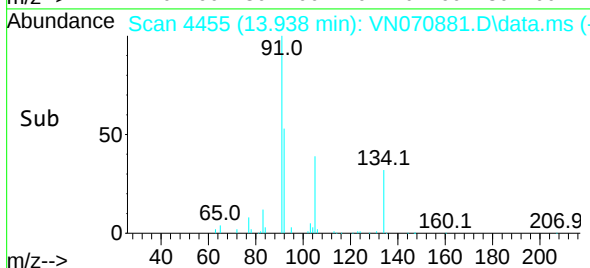
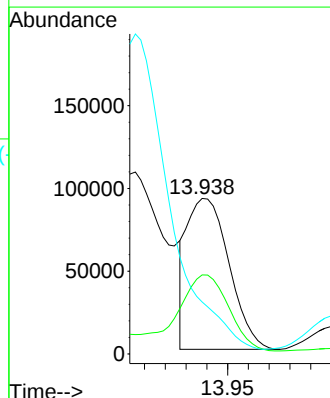
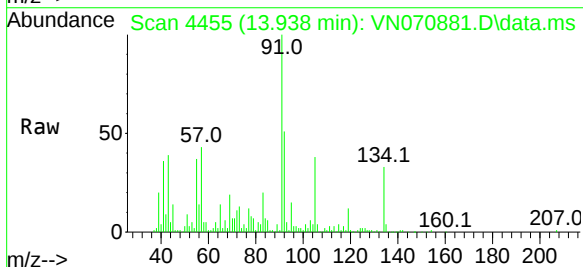
Manual Integrations
APPROVED

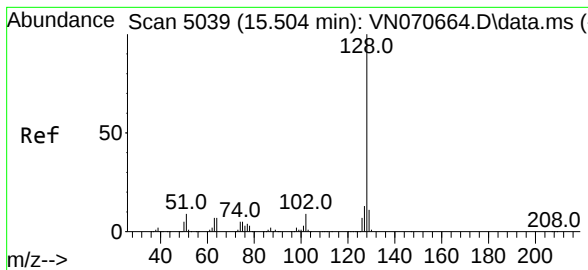
Reviewed By :John Carlone 02/02/2022
Supervised By :Mahesh Dadoda 02/07/2022



#89
n-Butylbenzene
Concen: 2.222 ug/l
RT: 13.938 min Scan# 4455
Delta R.T. -0.002 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

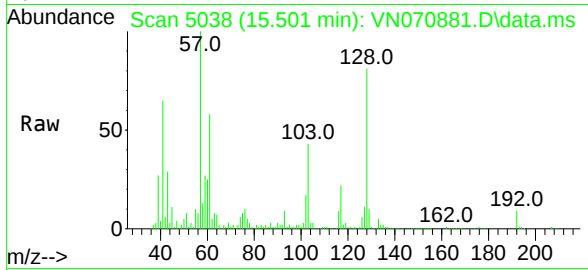
Tgt Ion: 91 Resp: 127878
Ion Ratio Lower Upper
91 100
92 69.4 25.4 76.0
134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 10.757 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070881.D
Acq: 1 Feb 2022 19:27

Instrument :
MSVOA_N
ClientSampleId :
31535



Tgt Ion:128 Resp: 327940
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 12.7 8.7 13.1

Manual Integrations
APPROVED

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

