

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070911.D
 Acq On : 3 Feb 2022 00:06
 Operator : JC/MD
 Sample : N1342-09DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31527DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 03 06:00:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

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

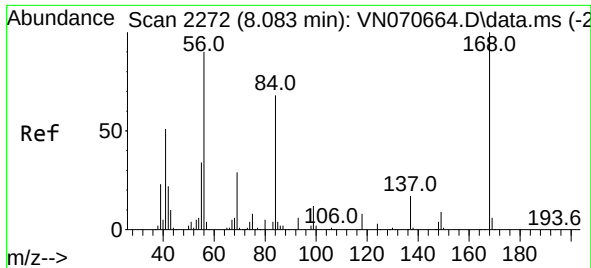
Internal Standards						
1) Pentafluorobenzene	8.086	168	1031568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1621394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1314684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	622266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	628803	45.032	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.060%		
35) Dibromofluoromethane	8.021	113	472197	48.615	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.220%		
50) Toluene-d8	10.441	98	1959689	49.139	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.280%		
62) 4-Bromofluorobenzene	12.731	95	700617	48.756	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.520%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.380	59	724041	246.769	ug/l	99
16) Acetone	4.288	43	941955	112.818	ug/l	97
18) Methyl Acetate	4.857	43	285296	14.656	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	226479	5.706	ug/l #	90
25) 2-Butanone	7.337	43	749956	62.227	ug/l	92
29) Tetrahydrofuran	7.694	42	17077	2.181	ug/l #	83
40) Benzene	8.461	78	1960527	39.547	ug/l	99
49) 1,4-Dioxane	9.572	88	287064	1087.135	ug/l #	27
51) 4-Methyl-2-Pentanone	10.331	43	748687	34.792	ug/l	98
52) Toluene	10.505	92	1452579	47.290	ug/l	96
67) Ethyl Benzene	11.843	91	281060	5.603	ug/l	94
68) m/p-Xylenes	11.948	106	557705	30.008	ug/l	92
69) o-Xylene	12.280	106	287835	15.474	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	46755	1.062	ug/l	97
84) 1,2,4-Trimethylbenzene	13.377	105	227840m	5.294	ug/l	
95) Naphthalene	15.501	128	367199	14.000	ug/l #	90

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

Manual Integrations

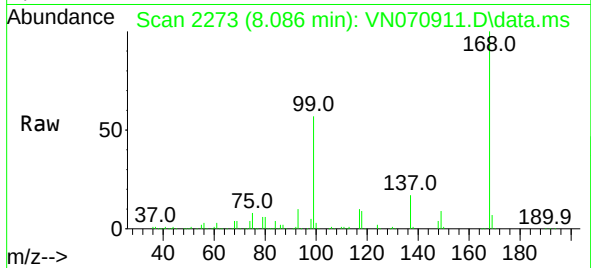
Quant Time: Feb 03 06:00:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 02 15:30:39 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

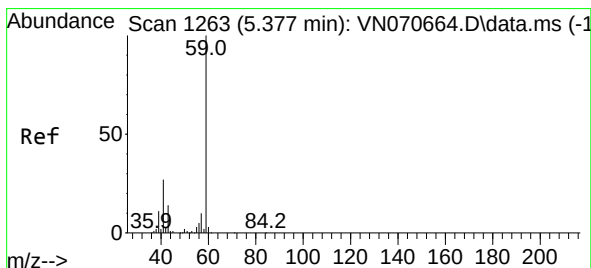
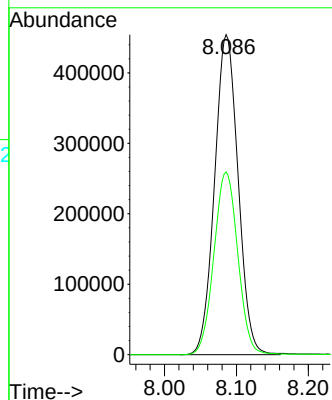
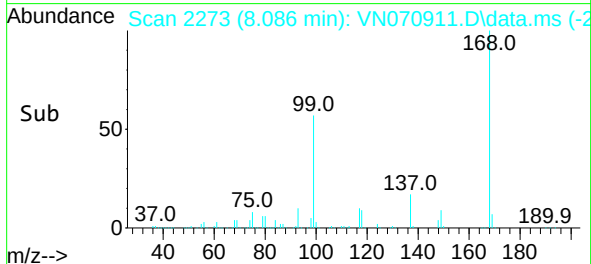
Instrument :
MSVOA_N
ClientSampleId :
31527DL



Tgt Ion:168 Resp: 103156
Ion Ratio Lower Upper
168 100
99 57.1 41.3 61.9

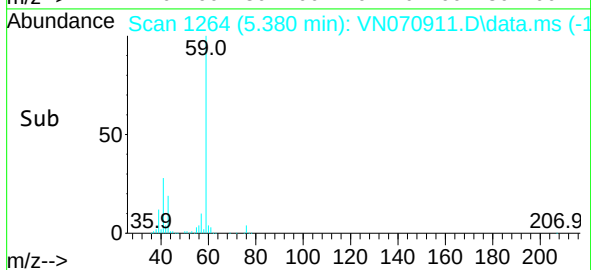
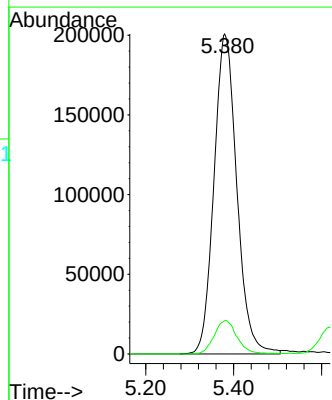
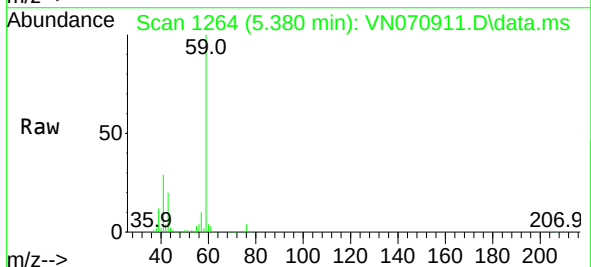
Manual Integrations
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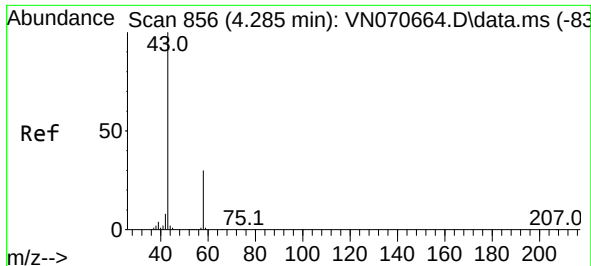
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022



#11
Tert butyl alcohol
Concen: 246.769 ug/l
RT: 5.380 min Scan# 1264
Delta R.T. -0.002 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

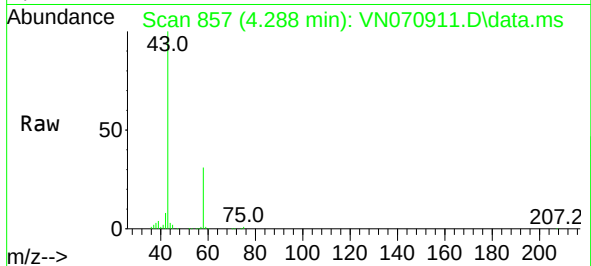
Tgt Ion: 59 Resp: 724041
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1





#16
Acetone
Concen: 112.818 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

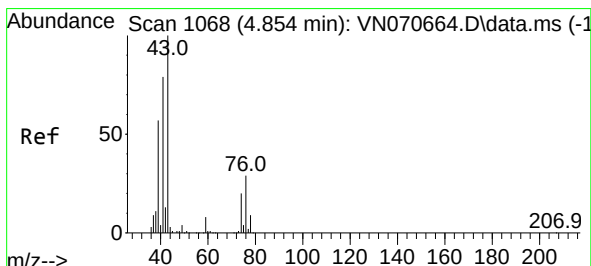
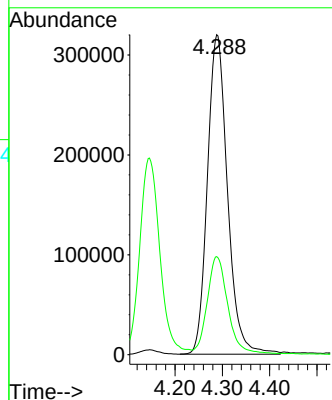
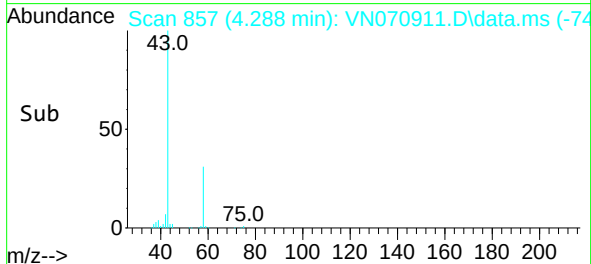
Instrument :
MSVOA_N
ClientSampleId :
31527DL



Tgt Ion: 43 Resp: 94195
Ion Ratio Lower Upper
43 100
58 30.3 23.1 34.7

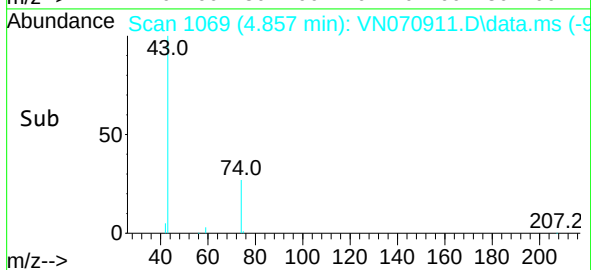
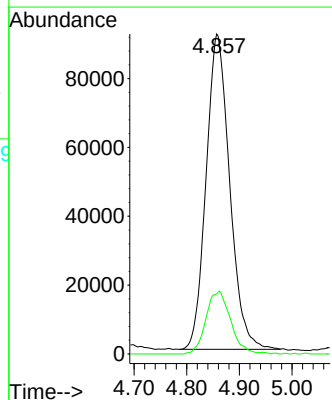
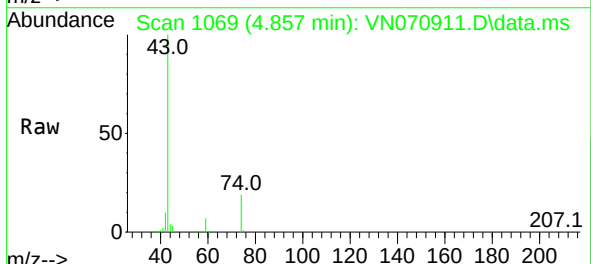
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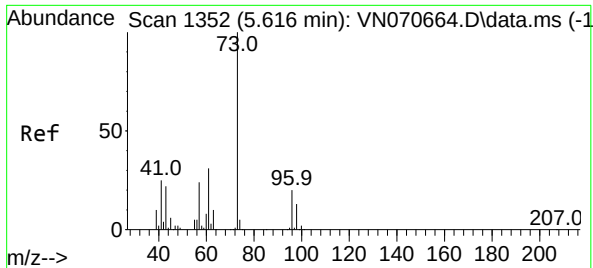
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022



#18
Methyl Acetate
Concen: 14.656 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

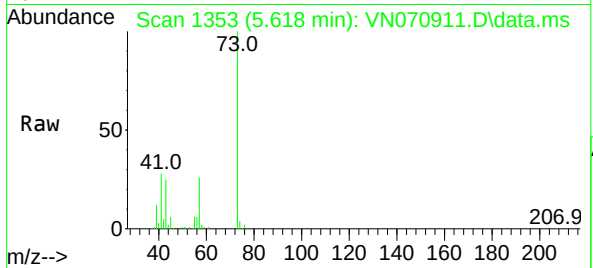
Tgt Ion: 43 Resp: 285296
Ion Ratio Lower Upper
43 100
74 20.6 19.4 29.2





#19
Methyl tert-butyl Ether
Concen: 5.706 ug/l
RT: 5.618 min Scan# 11
Delta R.T. 0.002 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

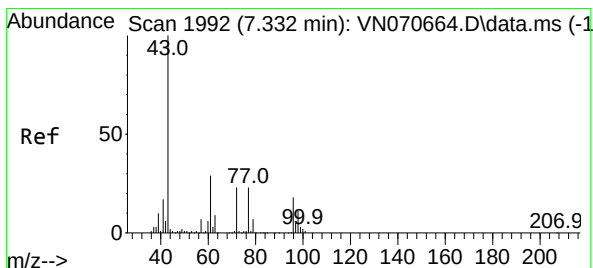
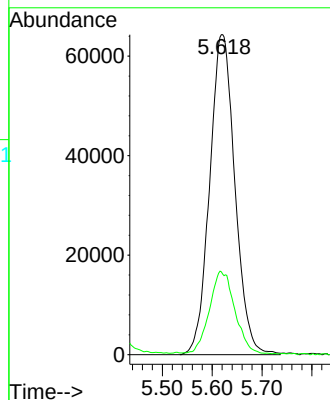
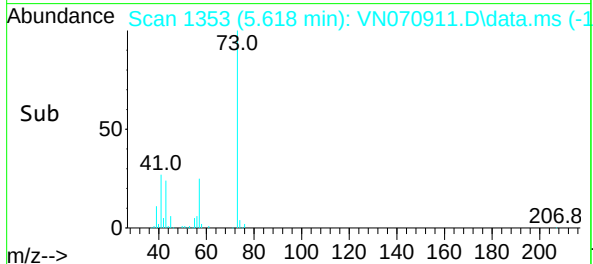
Instrument :
MSVOA_N
ClientSampleId :
31527DL



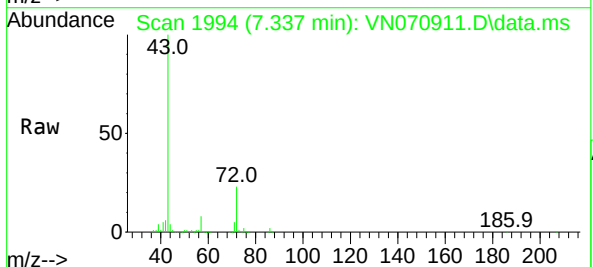
Tgt Ion: 73 Resp: 226479
Ion Ratio Lower Upper
73 100
57 25.6 16.8 25.2

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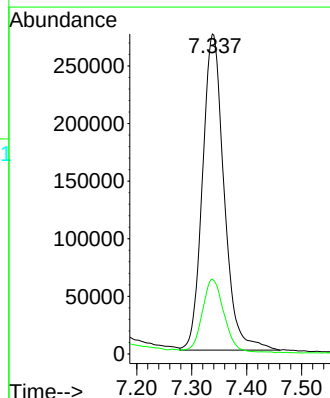
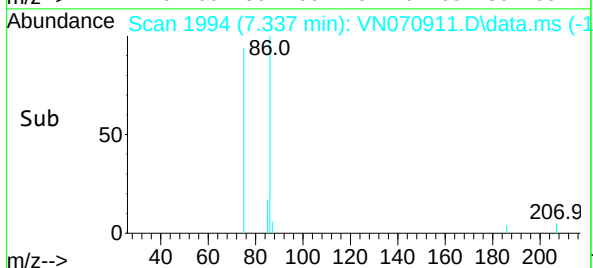
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022

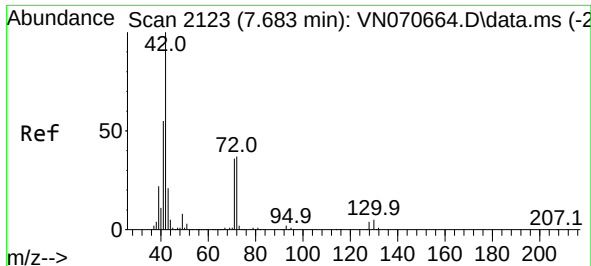


#25
2-Butanone
Concen: 62.227 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06



Tgt Ion: 43 Resp: 749956
Ion Ratio Lower Upper
43 100
72 23.1 21.7 32.5





#29

Tetrahydrofuran

Concen: 2.181 ug/l

RT: 7.694 min Scan# 2123

Delta R.T. 0.008 min

Lab File: VN070911.D

Acq: 3 Feb 2022 00:06

Instrument :

MSVOA_N

ClientSampleId :

31527DL

Tgt Ion: 42 Resp: 1707

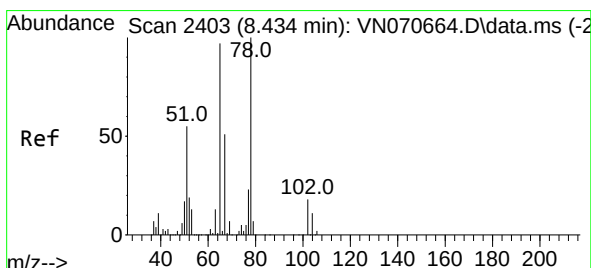
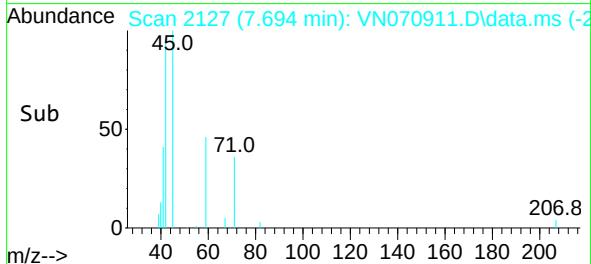
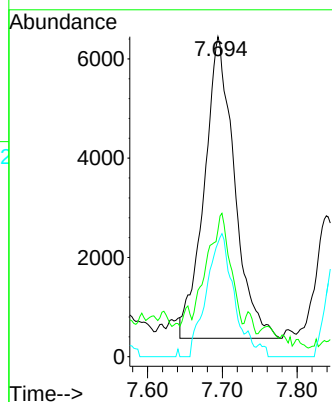
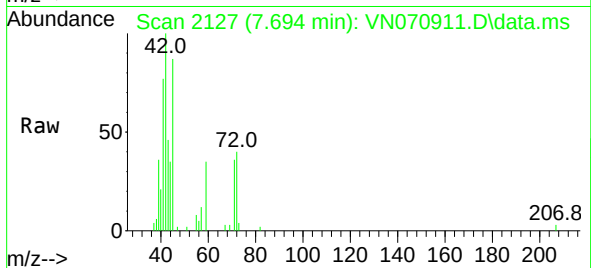
Ion	Ratio	Lower	Upper
42	100		
72	30.2	36.3	54.5
71	36.4	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#33

1,2-Dichloroethane-d4

Concen: 45.032 ug/l

RT: 8.437 min Scan# 2404

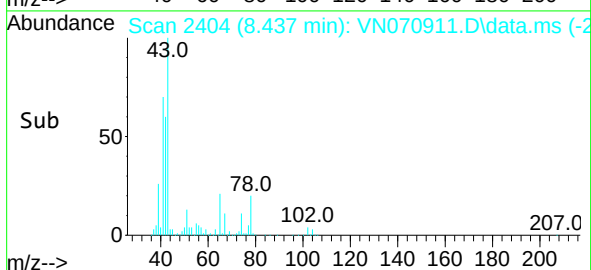
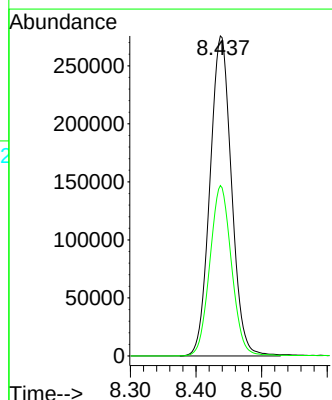
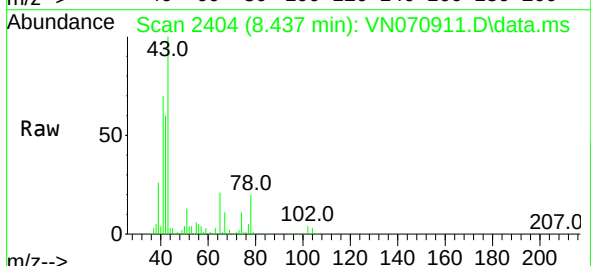
Delta R.T. 0.000 min

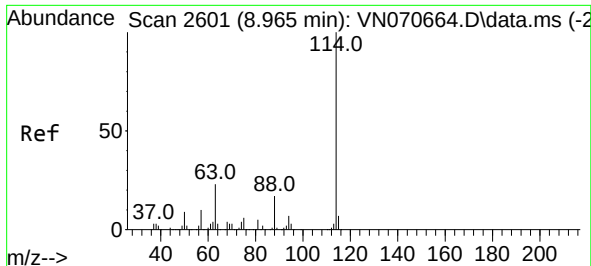
Lab File: VN070911.D

Acq: 3 Feb 2022 00:06

Tgt Ion: 65 Resp: 628803

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.0





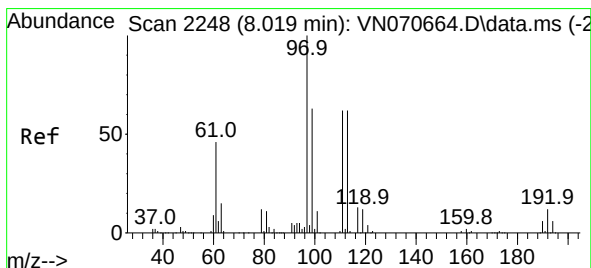
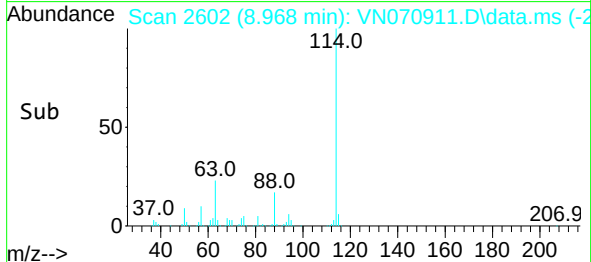
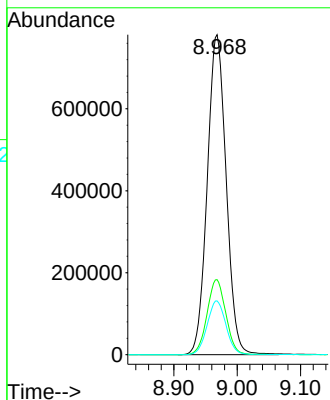
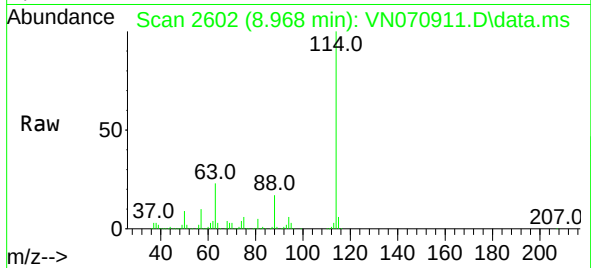
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

Instrument :
MSVOA_N
ClientSampleId :
31527DL

Tgt Ion:114 Resp: 1621394
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.8 0.0 27.4

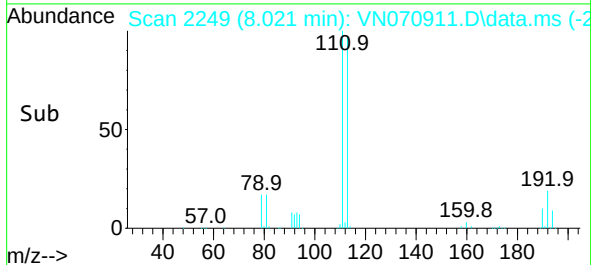
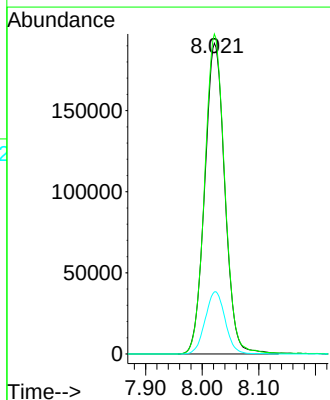
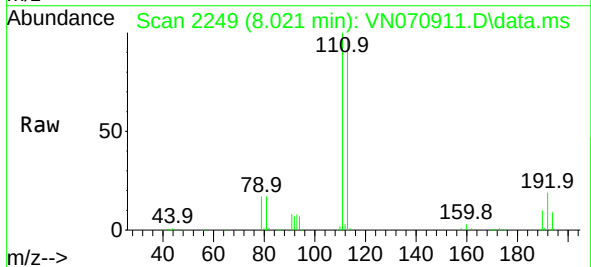
Manual Integrations
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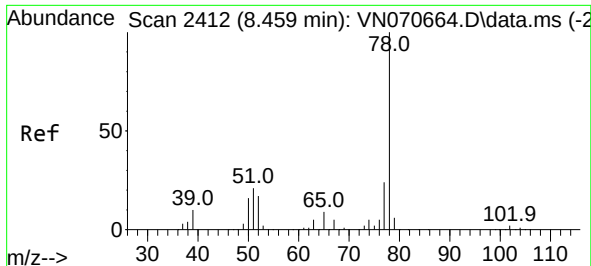
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022



#35
Dibromofluoromethane
Concen: 48.615 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

Tgt Ion:113 Resp: 472197
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 19.9 16.9 25.3





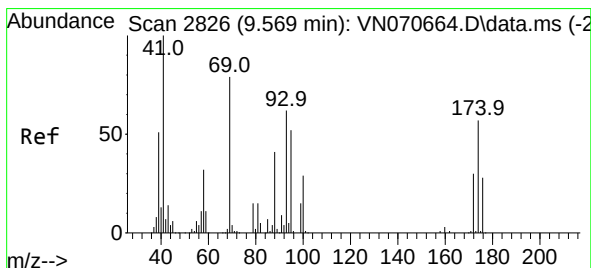
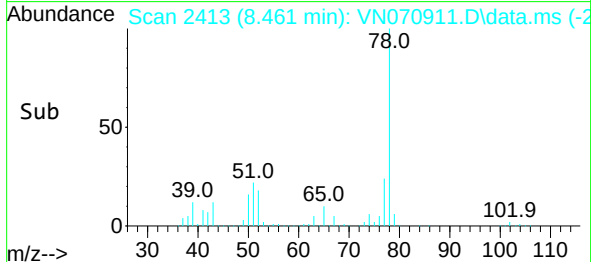
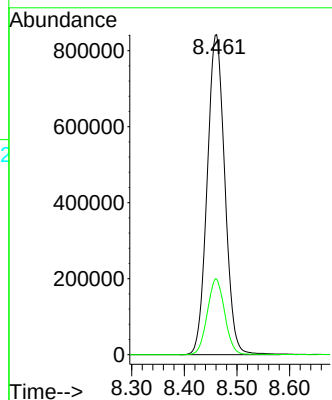
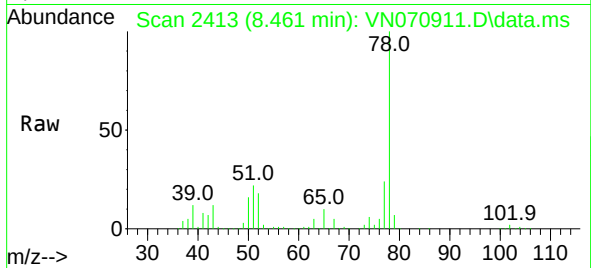
#40
Benzene
Concen: 39.547 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.002 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

Instrument :
MSVOA_N
ClientSampleId :
31527DL

Tgt Ion: 78 Resp: 196052
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

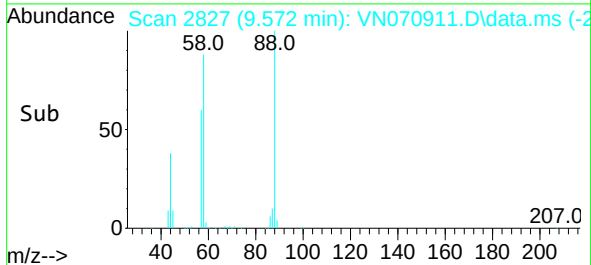
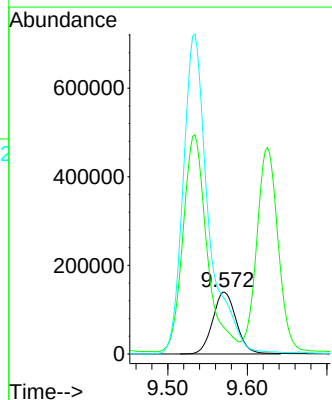
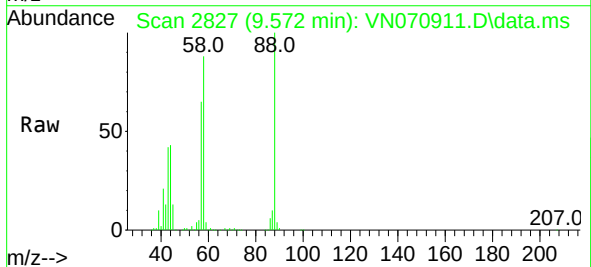
Manual Integrations
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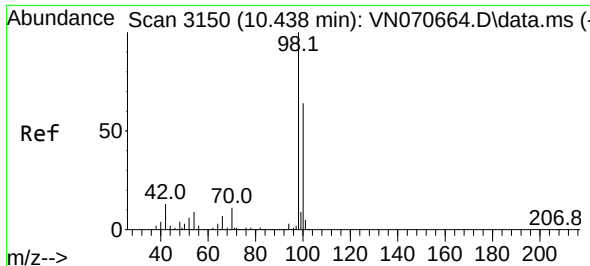
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022



#49
1,4-Dioxane
Concen: 1087.135 ug/l
RT: 9.572 min Scan# 2827
Delta R.T. 0.003 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

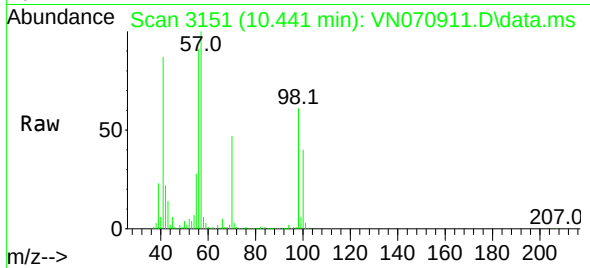
Tgt Ion: 88 Resp: 287064
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#





#50
Toluene-d8
Concen: 49.139 ug/l
RT: 10.441 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

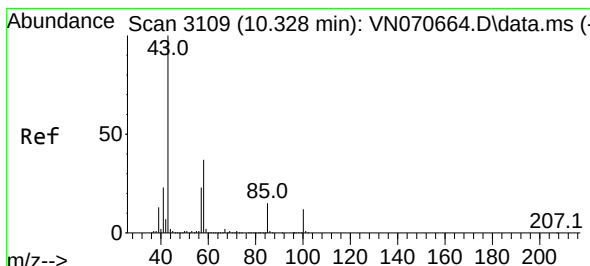
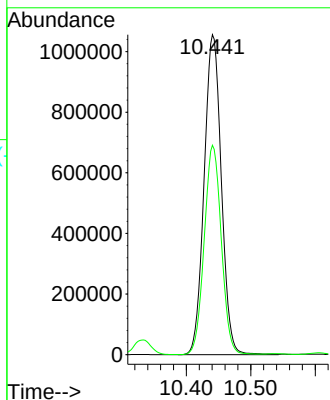
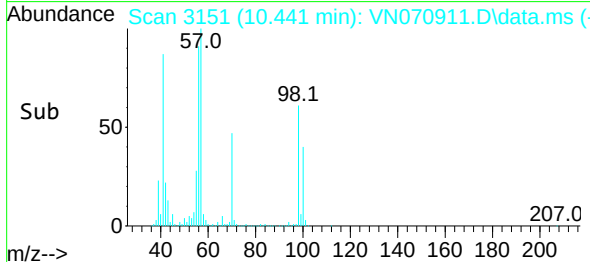
Instrument :
MSVOA_N
ClientSampleId :
31527DL



Tgt Ion: 98 Resp: 1959689
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6

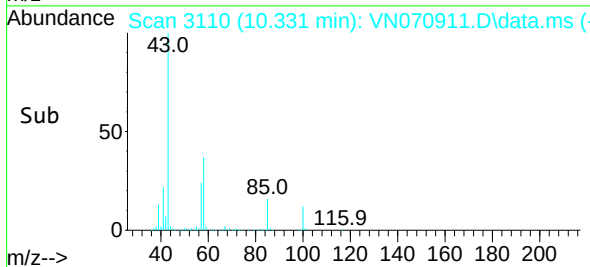
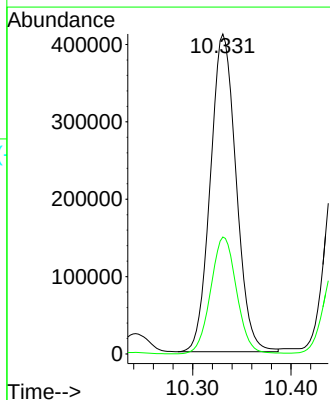
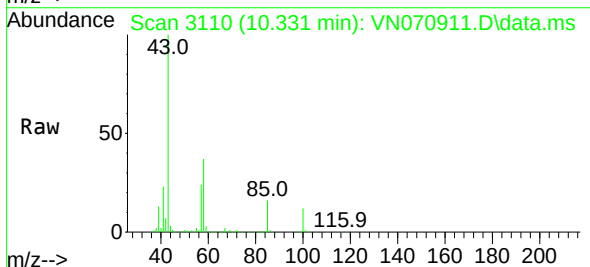
Manual Integrations
APPROVED

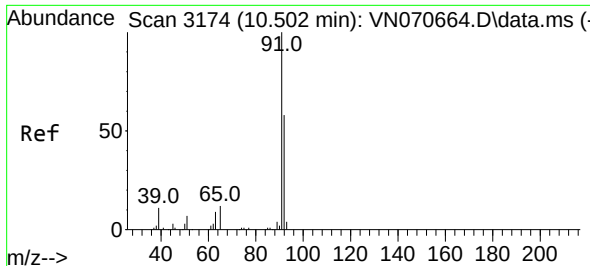
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022



#51
4-Methyl-2-Pentanone
Concen: 34.792 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

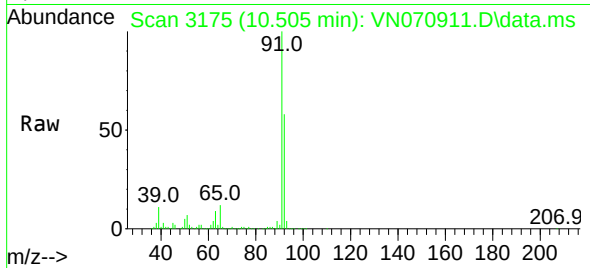
Tgt Ion: 43 Resp: 748687
Ion Ratio Lower Upper
43 100
58 37.1 30.4 45.6





#52
Toluene
Concen: 47.290 ug/l
RT: 10.505 min Scan# 3174
Delta R.T. -0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

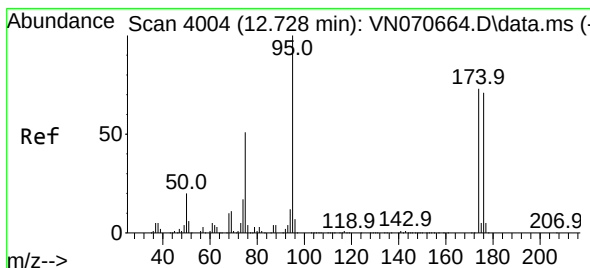
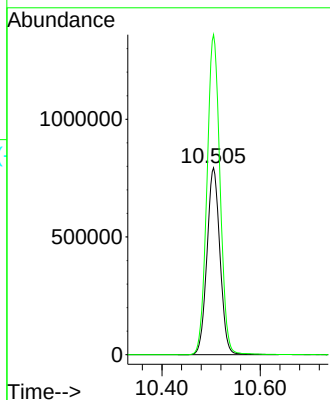
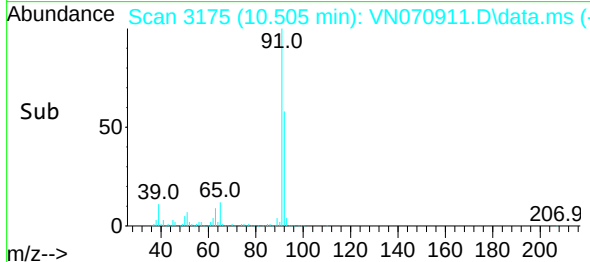
Instrument :
MSVOA_N
ClientSampleId :
31527DL



Tgt Ion: 92 Resp: 1452579
Ion Ratio Lower Upper
92 100
91 172.4 142.0 213.0

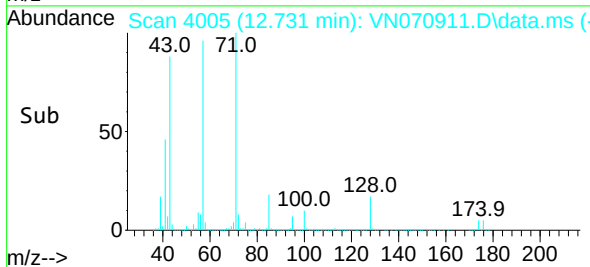
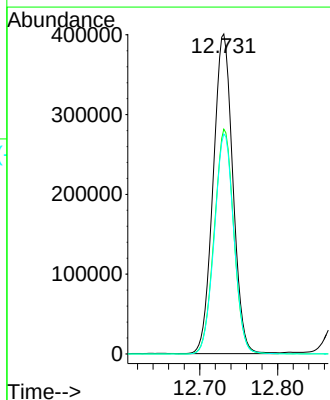
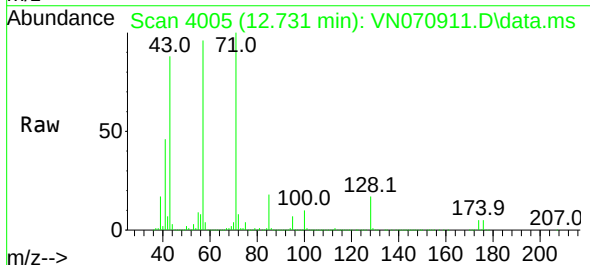
Manual Integrations
APPROVED

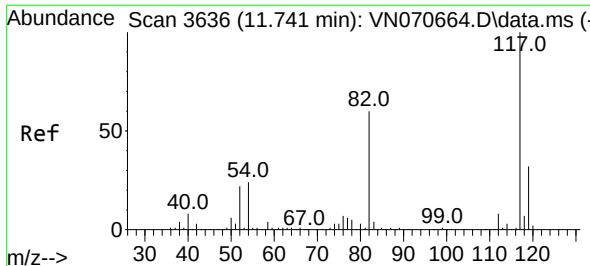
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022



#62
4-Bromofluorobenzene
Concen: 48.756 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

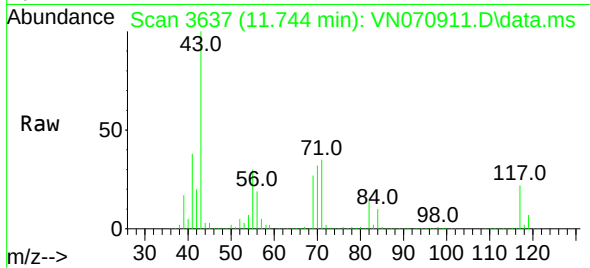
Tgt Ion: 95 Resp: 700617
Ion Ratio Lower Upper
95 100
174 69.7 0.0 187.2
176 68.4 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

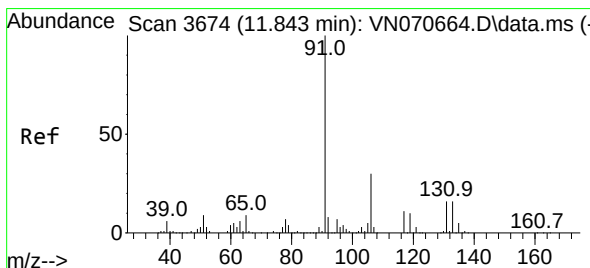
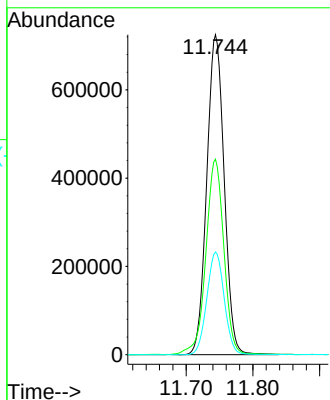
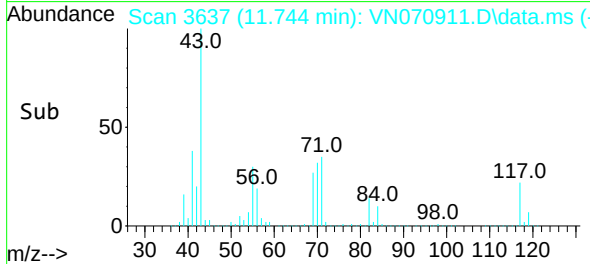
Instrument :
MSVOA_N
ClientSampleId :
31527DL



Tgt Ion:117 Resp: 1314684
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 32.1 25.4 38.2

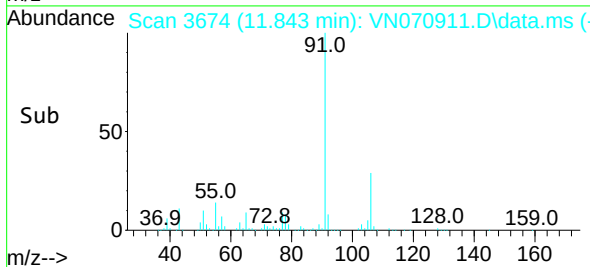
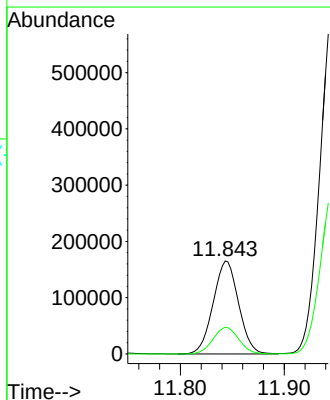
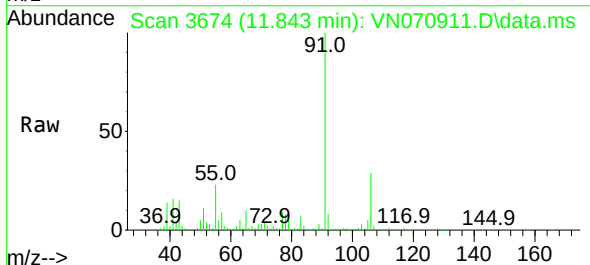
Manual Integrations
APPROVED

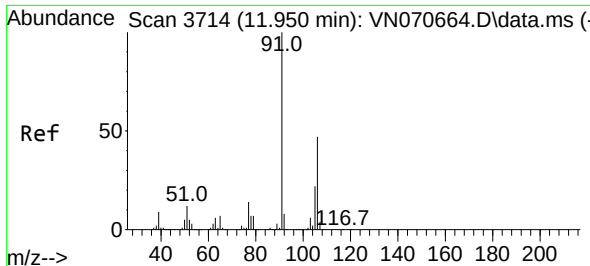
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022



#67
Ethyl Benzene
Concen: 5.603 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

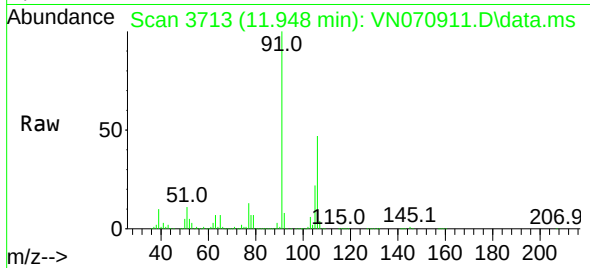
Tgt Ion: 91 Resp: 281060
Ion Ratio Lower Upper
91 100
106 28.8 25.7 38.5





#68
m/p-Xylenes
Concen: 30.008 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

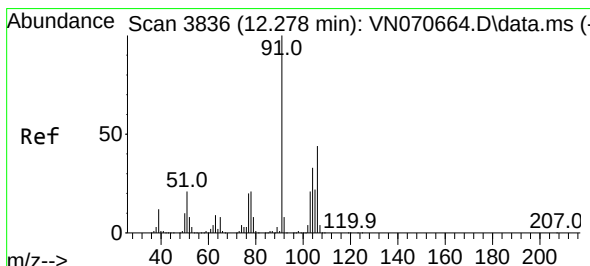
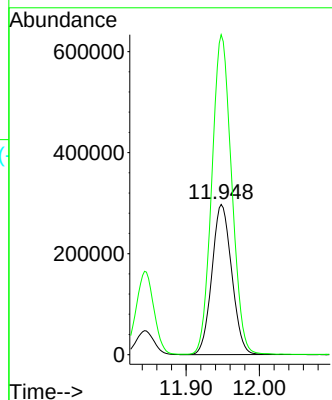
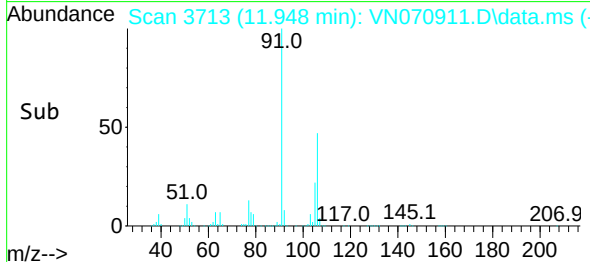
Instrument :
MSVOA_N
ClientSampleId :
31527DL



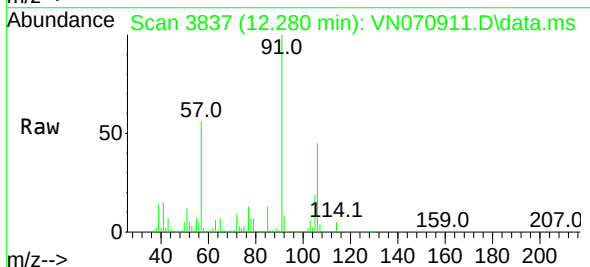
Tgt Ion:106 Resp: 55770
Ion Ratio Lower Upper
106 100
91 212.7 160.6 240.8

Manual Integrations
APPROVED

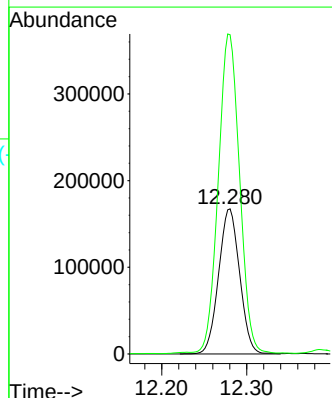
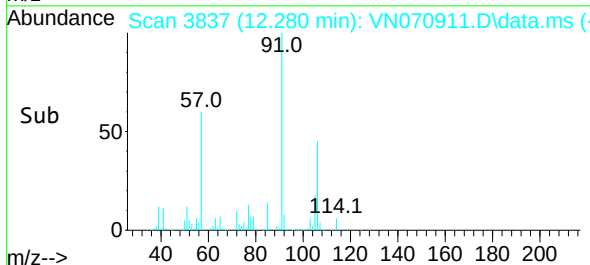
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022

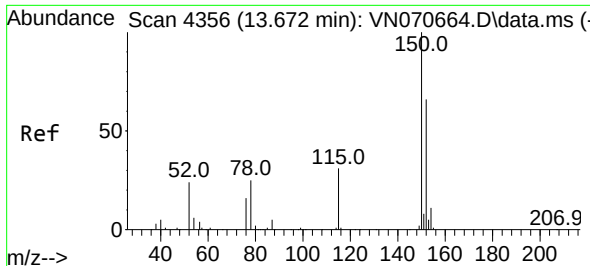


#69
o-Xylene
Concen: 15.474 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06



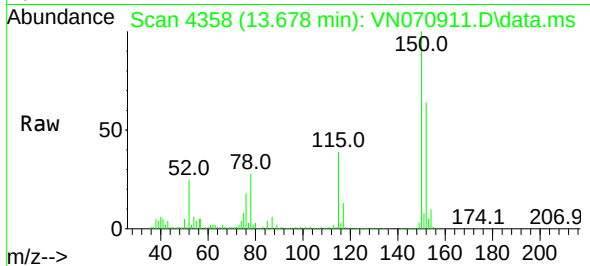
Tgt Ion:106 Resp: 287835
Ion Ratio Lower Upper
106 100
91 221.8 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4152
Delta R.T. 0.006 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06

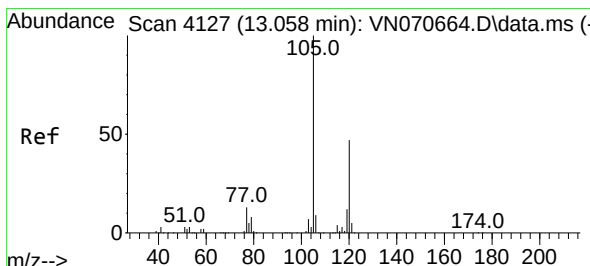
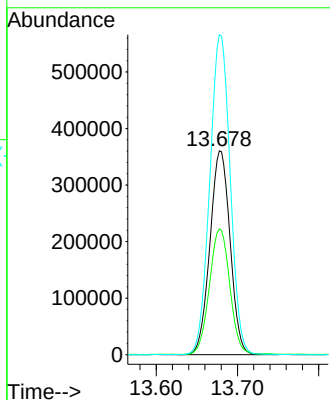
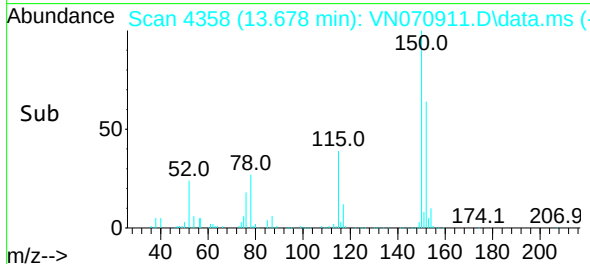
Instrument :
MSVOA_N
ClientSampleId :
31527DL



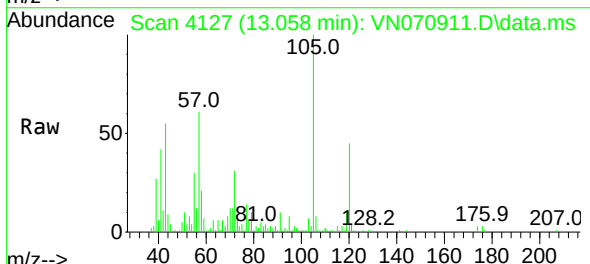
Tgt Ion:152 Resp: 622260
Ion Ratio Lower Upper
152 100
115 62.0 27.5 82.5
150 158.6 0.0 344.4

Manual Integrations
APPROVED

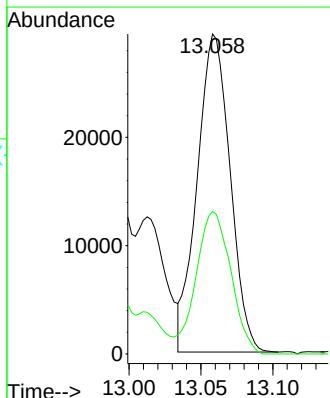
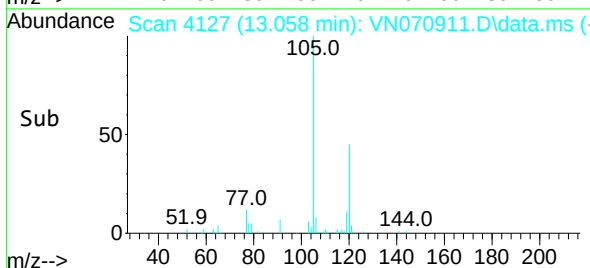
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022

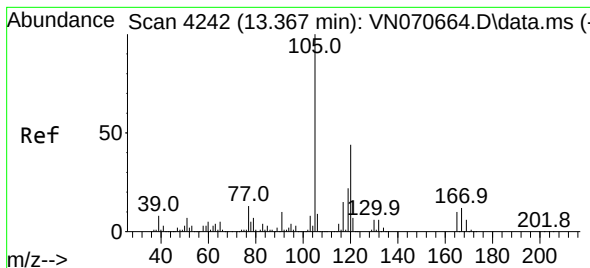


#80
1,3,5-Trimethylbenzene
Concen: 1.062 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070911.D
Acq: 3 Feb 2022 00:06



Tgt Ion:105 Resp: 46755
Ion Ratio Lower Upper
105 100
120 47.4 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 5.294 ug/l m

RT: 13.377 min Scan# 41

Delta R.T. 0.010 min

Lab File: VN070911.D

Acq: 3 Feb 2022 00:06

Instrument :

MSVOA_N

ClientSampleId :

31527DL

Tgt Ion:105 Resp: 227840

Ion Ratio Lower Upper

105 100

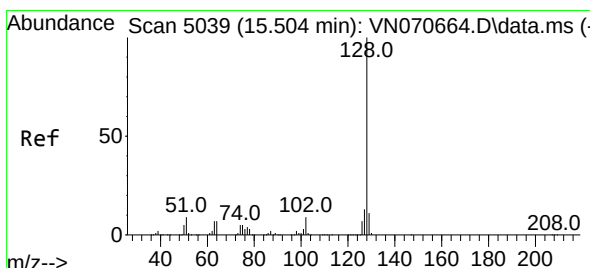
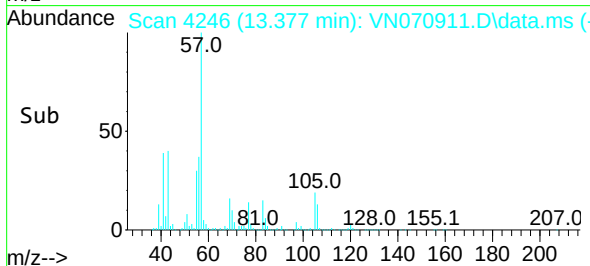
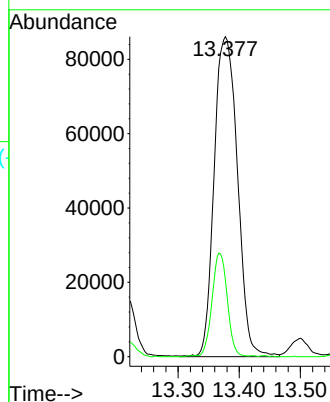
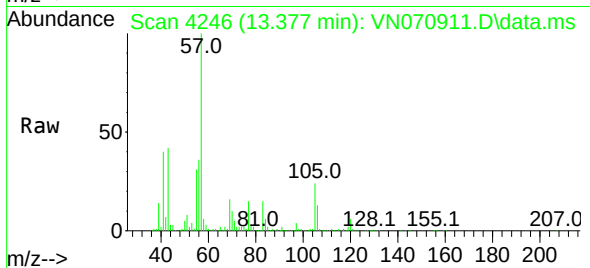
120 3.2 22.8 68.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#95

Naphthalene

Concen: 14.000 ug/l

RT: 15.501 min Scan# 5038

Delta R.T. -0.003 min

Lab File: VN070911.D

Acq: 3 Feb 2022 00:06

Tgt Ion:128 Resp: 367199

Ion Ratio Lower Upper

128 100

127 15.3 10.5 15.7

129 5.1 8.7 13.1

