

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070171.D
 Acq On : 17 Dec 2021 18:18
 Operator : JC/MD
 Sample : M5039-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/18/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 18 05:47:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	916107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1577132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1486107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	694126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	746169	52.753	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.500%			
35) Dibromofluoromethane	8.024	113	494168	50.023	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.040%			
50) Toluene-d8	10.443	98	2028920	51.149	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.300%			
62) 4-Bromofluorobenzene	12.731	95	826542	57.517	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.040%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	12108	0.905	ug/l	91
6) Chloroethane	3.025	64	28795	3.818	ug/l	92
11) Tert butyl alcohol	5.388	59	6795413	2541.583	ug/l	99
16) Acetone	4.293	43	1412283	165.981	ug/l	97
17) Carbon Disulfide	4.519	76	24310	1.078	ug/l #	94
19) Methyl tert-butyl Ether	5.591	73	45536314m	1342.062	ug/l	
22) Diisopropyl ether	6.501	45	363153	9.449	ug/l	88
25) 2-Butanone	7.343	43	757973	65.564	ug/l	91
31) Cyclohexane	8.094	56	2158895	109.675	ug/l	89
39) Methylcyclohexane	9.459	83	943695	52.843	ug/l	88
40) Benzene	8.440	78	32766176m	713.993	ug/l	
51) 4-Methyl-2-Pentanone	10.336	43	164247	7.656	ug/l	91
52) Toluene	10.491	92	27124290m	968.120	ug/l	
67) Ethyl Benzene	11.835	91	20306830m	370.803	ug/l	
68) m/p-Xylenes	11.937	106	25827808m	1295.266	ug/l	
69) o-Xylene	12.272	106	19206776m	956.266	ug/l	
73) Isopropylbenzene	12.578	105	2636166	42.686	ug/l	98
78) n-propylbenzene	12.921	91	6253060	90.990	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	14449500	290.689	ug/l	99
84) 1,2,4-Trimethylbenzene	13.353	105	23739025m	501.463	ug/l	
85) sec-Butylbenzene	13.501	105	191367m	3.205	ug/l	
86) p-Isopropyltoluene	13.616	119	134969m	2.892	ug/l	

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

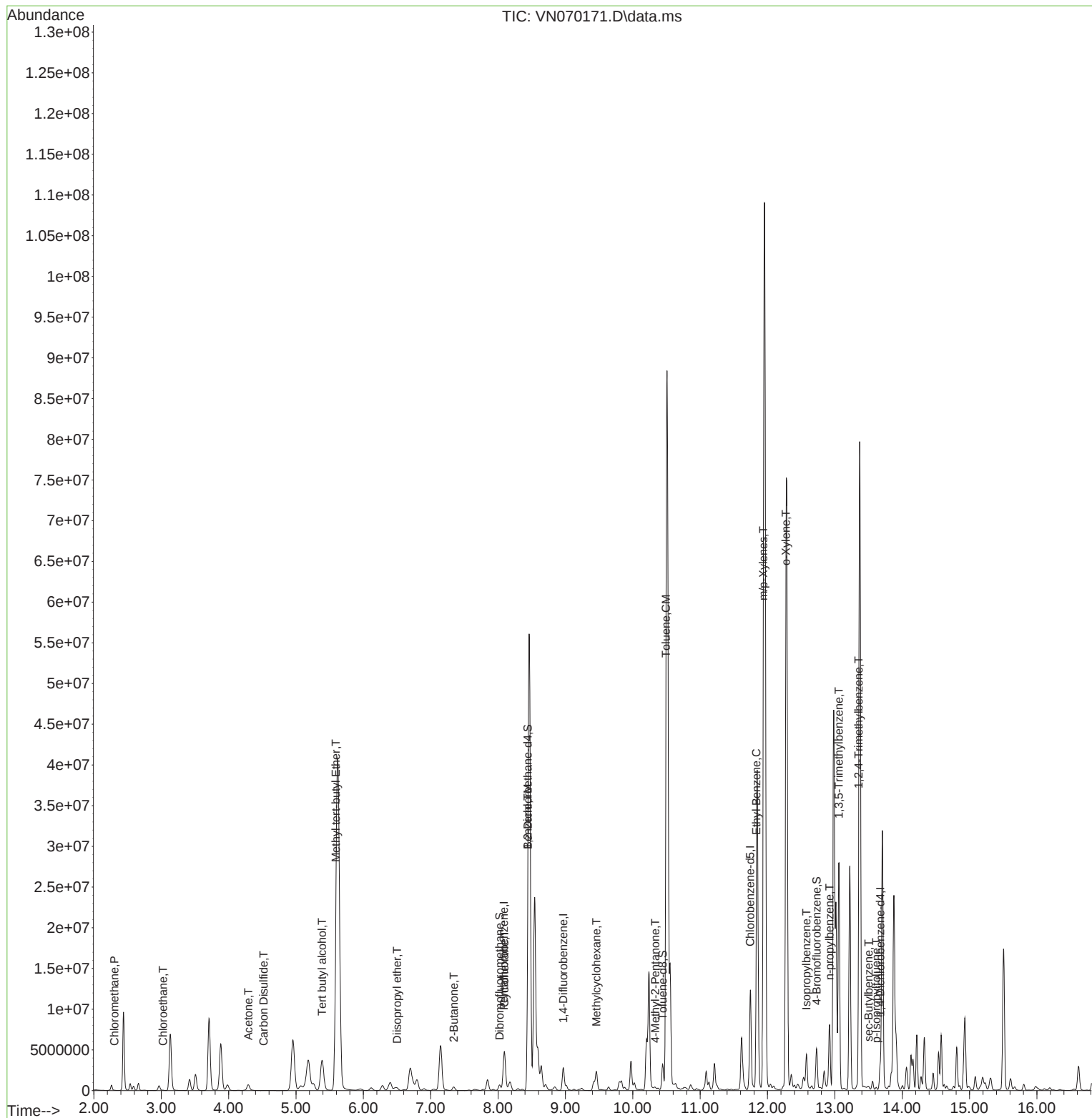
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070171.D
Acq On : 17 Dec 2021 18:18
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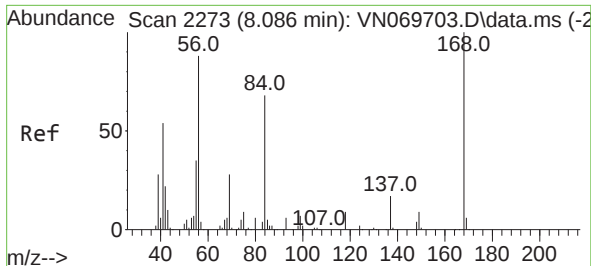
Instrument :
MSVOA_N
ClientSampleId :
MW-27

Quant Time: Dec 18 05:47:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

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APPROVED

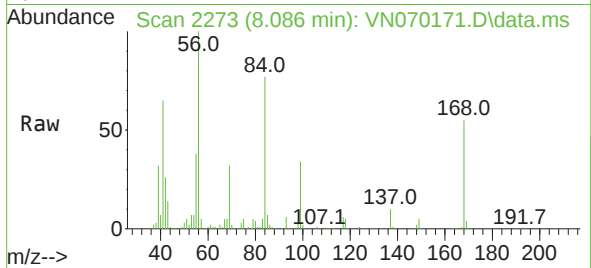
Reviewed By : John Carlone 12/18/2021
Supervised By : Mahesh Dadoda 12/23/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

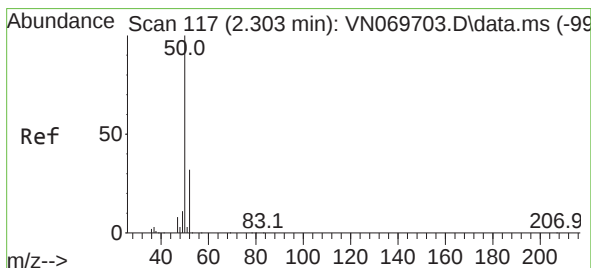
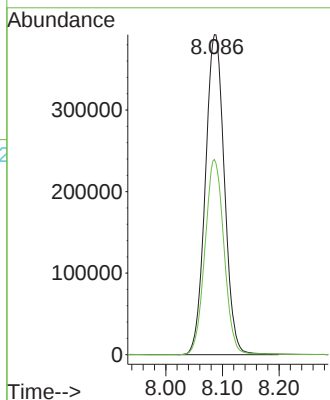
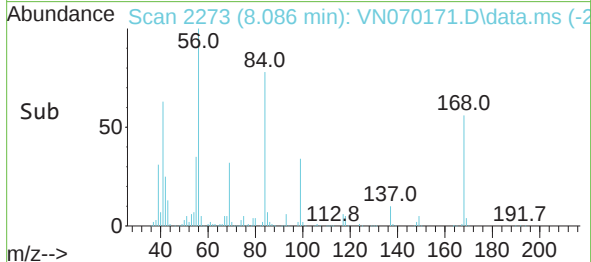
Instrument :
MSVOA_N
ClientSampleId :
MW-27



Tgt Ion:168 Resp: 91610
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9

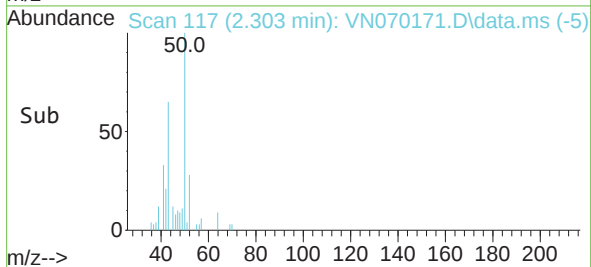
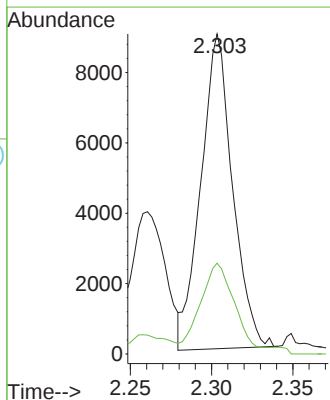
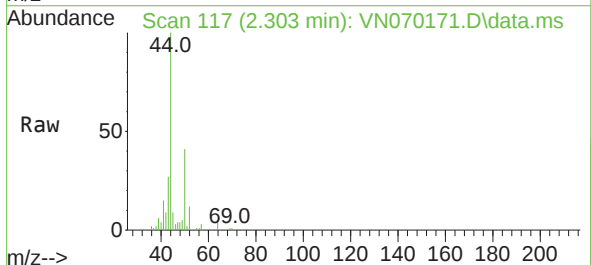
Manual Integrations
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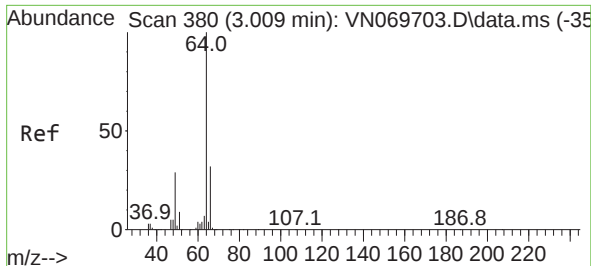
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#3
Chloromethane
Concen: 0.905 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

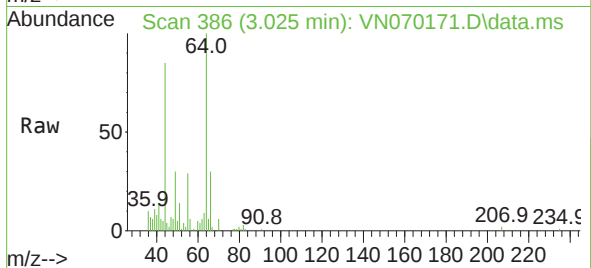
Tgt Ion: 50 Resp: 12108
Ion Ratio Lower Upper
50 100
52 26.9 25.4 38.0





#6
Chloroethane
Concen: 3.818 ug/l
RT: 3.025 min Scan# 380
Delta R.T. 0.016 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

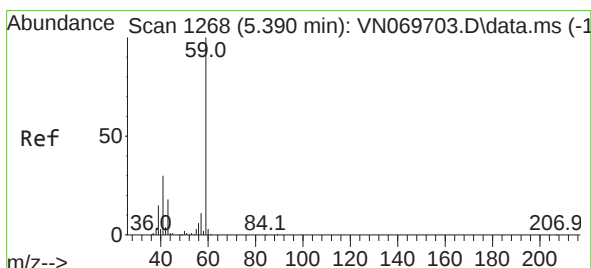
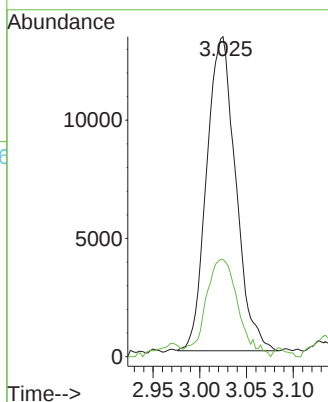
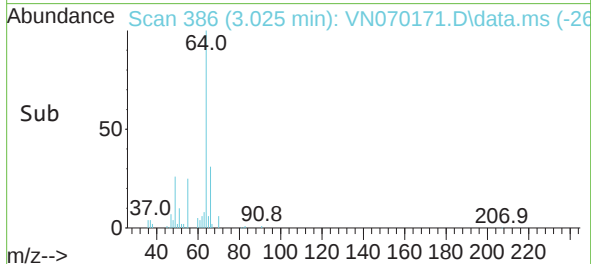
Instrument :
MSVOA_N
ClientSampleId :
MW-27



Tgt Ion: 64 Resp: 2879
Ion Ratio Lower Upper
64 100
66 28.1 26.3 39.5

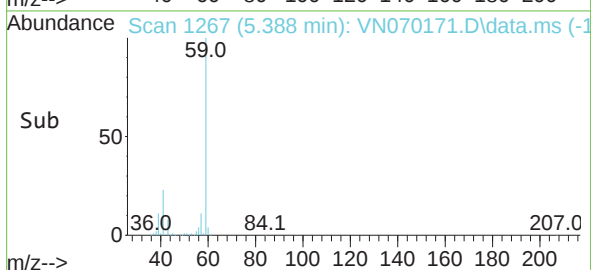
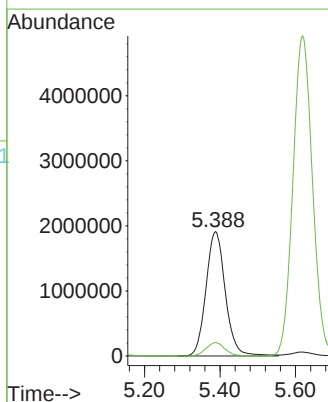
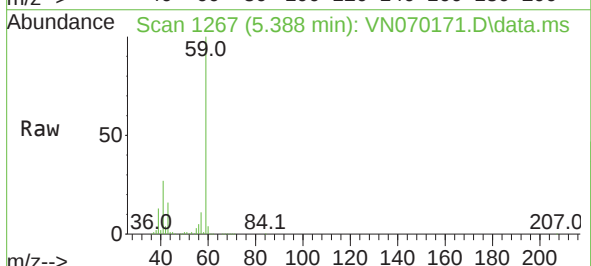
Manual Integrations
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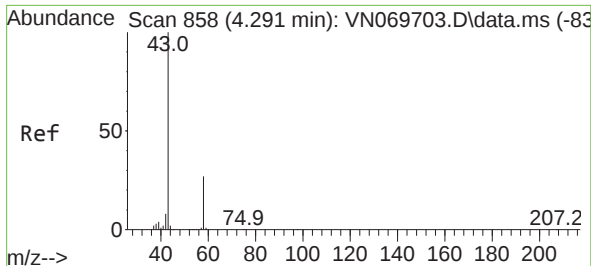
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#11
Tert butyl alcohol
Concen: 2541.583 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

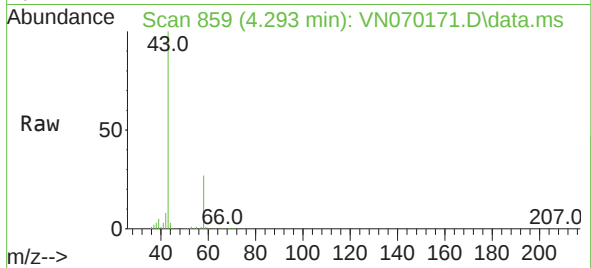
Tgt Ion: 59 Resp: 6795413
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1





#16
Acetone
Concen: 165.981 ug/l
RT: 4.293 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

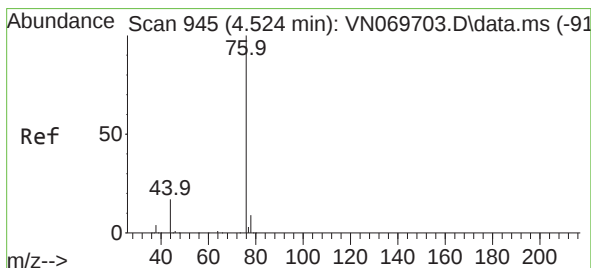
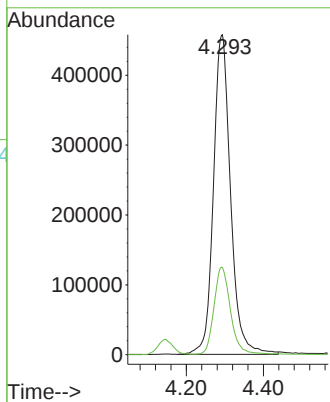
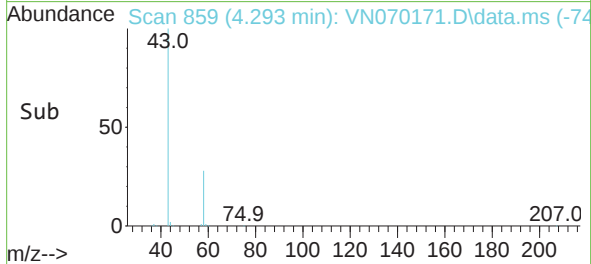
Instrument :
MSVOA_N
ClientSampleId :
MW-27



Tgt Ion: 43 Resp: 141228
Ion Ratio Lower Upper
43 100
58 27.1 23.1 34.7

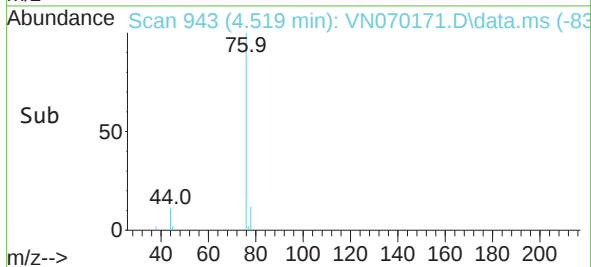
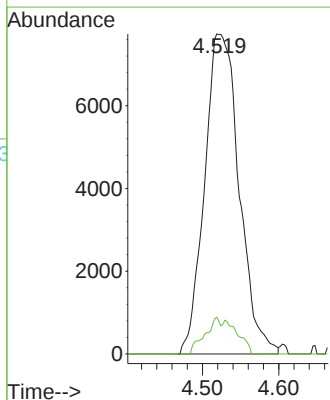
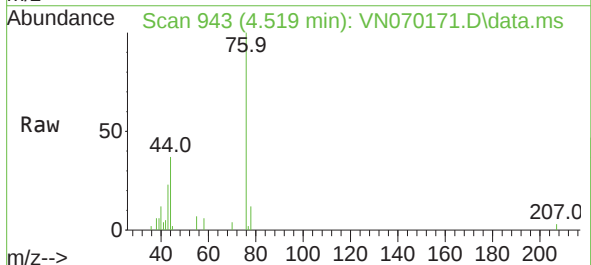
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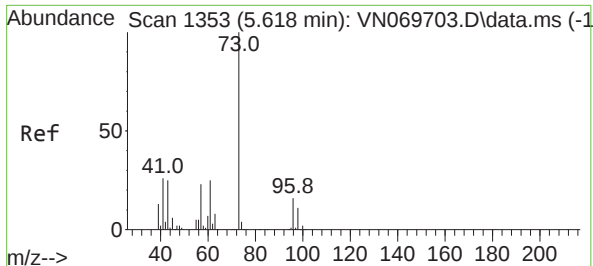
Reviewed By :John Carlone 12/18/2021
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#17
Carbon Disulfide
Concen: 1.078 ug/l
RT: 4.519 min Scan# 943
Delta R.T. -0.005 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

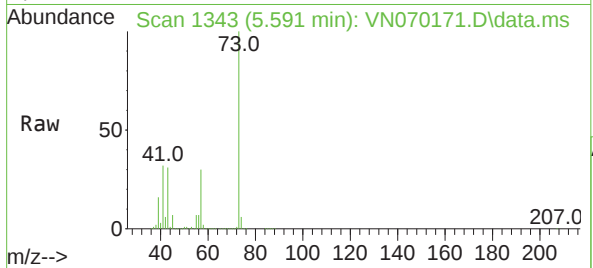
Tgt Ion: 76 Resp: 24310
Ion Ratio Lower Upper
76 100
78 11.5 7.5 11.3#





#19
Methyl tert-butyl Ether
Concen: 1342.062 ug/l m
RT: 5.591 min Scan# 1343
Delta R.T. -0.027 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

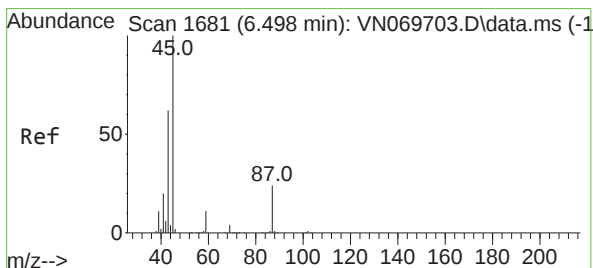
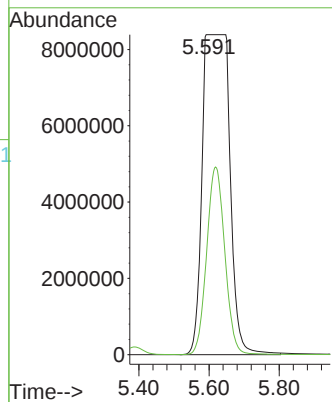
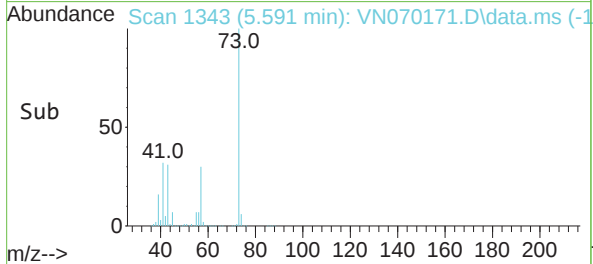
Instrument :
MSVOA_N
ClientSampleId :
MW-27



Tgt Ion: 73 Resp:45536314
Ion Ratio Lower Upper
73 100
57 29.9 16.8 25.2

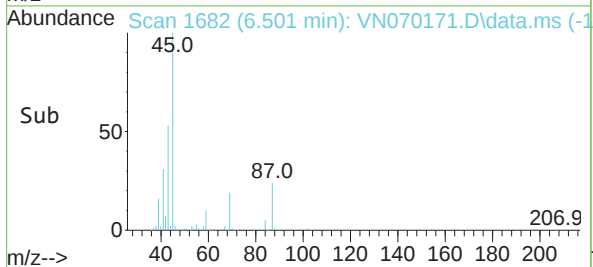
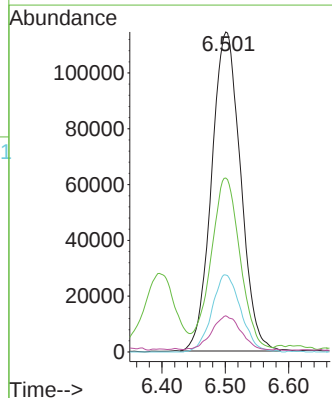
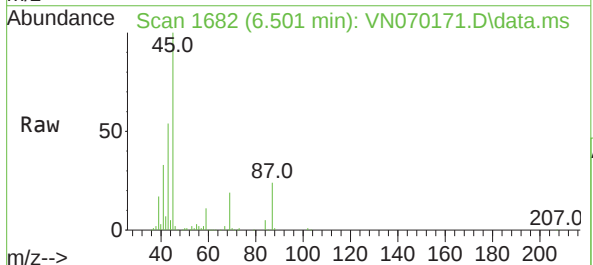
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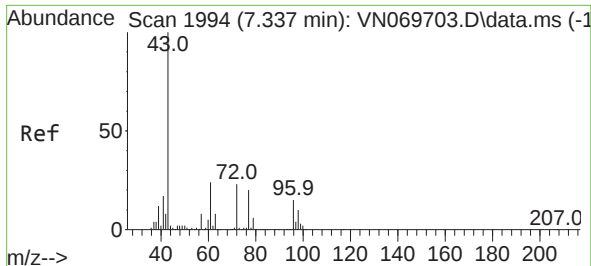
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#22
Diisopropyl ether
Concen: 9.449 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

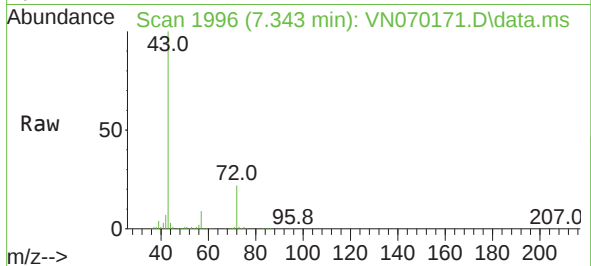
Tgt Ion: 45 Resp: 363153
Ion Ratio Lower Upper
45 100
43 52.5 51.7 77.5
87 24.1 23.2 34.8
59 10.7 9.4 14.0





#25
2-Butanone
Concen: 65.564 ug/l
RT: 7.343 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

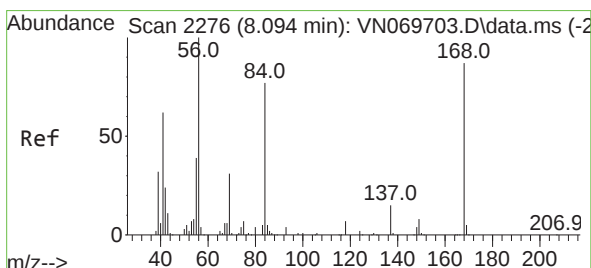
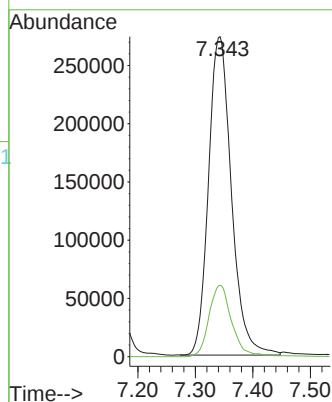
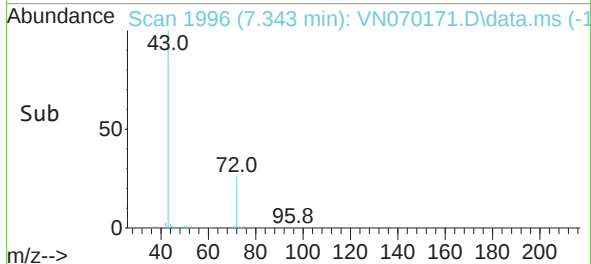
Instrument :
MSVOA_N
ClientSampleId :
MW-27



Tgt Ion: 43 Resp: 75797
Ion Ratio Lower Upper
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72 22.4 21.7 32.5

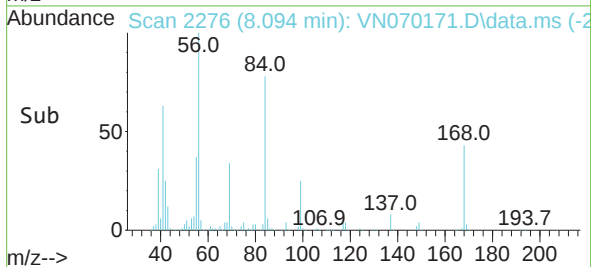
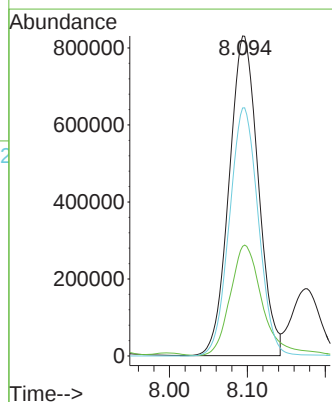
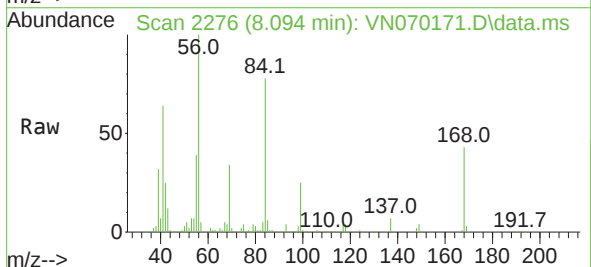
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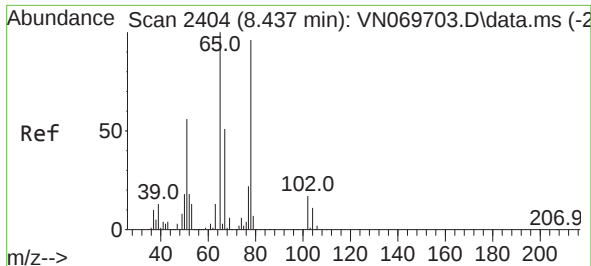
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#31
Cyclohexane
Concen: 109.675 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

Tgt Ion: 56 Resp: 2158895
Ion Ratio Lower Upper
56 100
69 33.7 27.1 40.7
84 77.6 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 52.753 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070171.D

Acq: 17 Dec 2021 18:18

Instrument :

MSVOA_N

ClientSampleId :

MW-27

Tgt Ion: 65 Resp: 746169

Ion Ratio Lower Upper

65 100

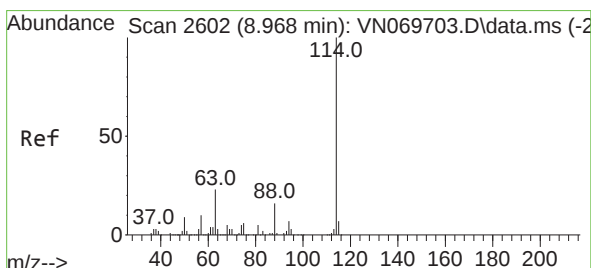
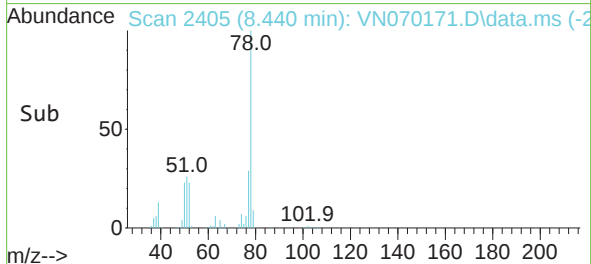
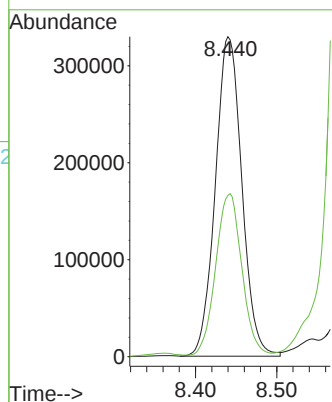
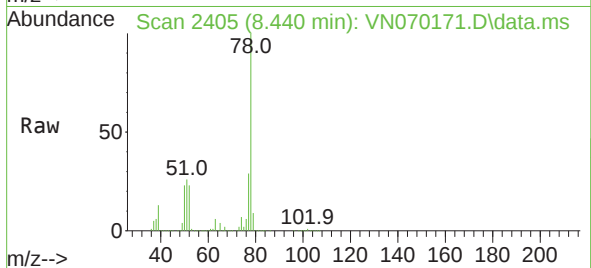
67 49.7 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 12/23/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070171.D

Acq: 17 Dec 2021 18:18

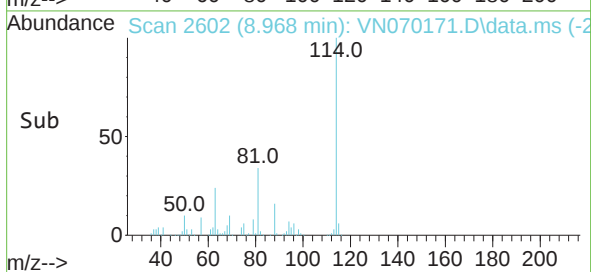
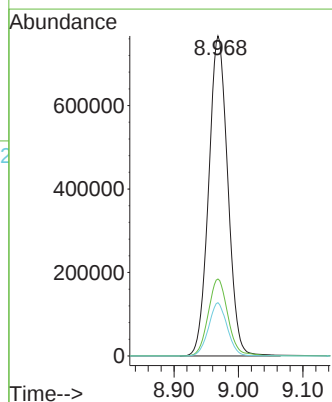
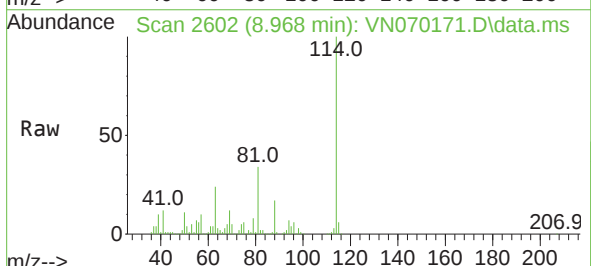
Tgt Ion:114 Resp: 1577132

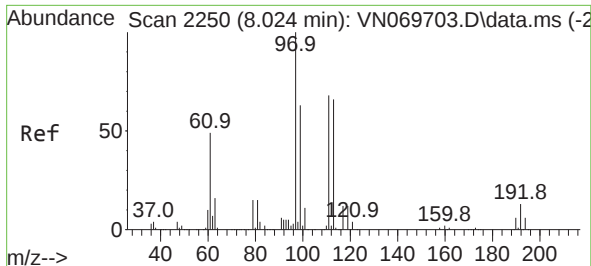
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

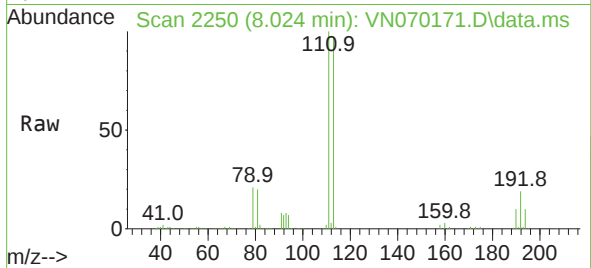
88 16.6 0.0 27.4





#35
Dibromofluoromethane
Concen: 50.023 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

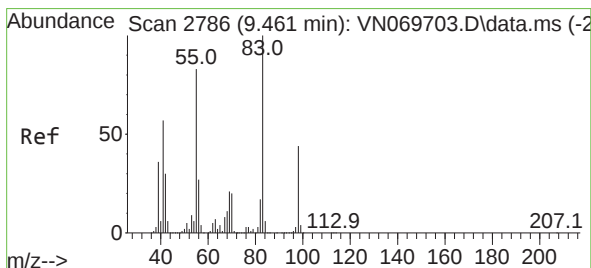
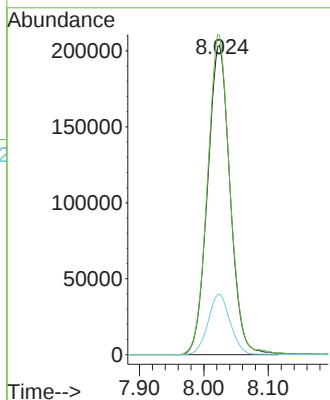
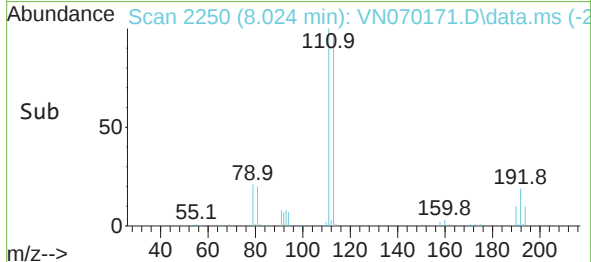
Instrument :
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Tgt Ion:113 Resp: 49416
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 19.3 16.9 25.3

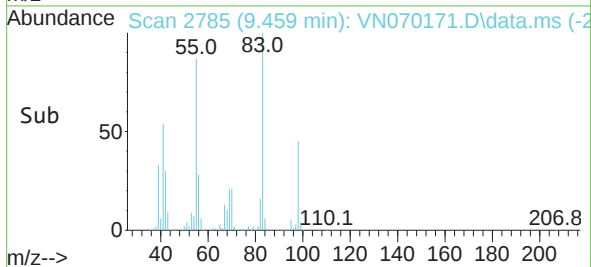
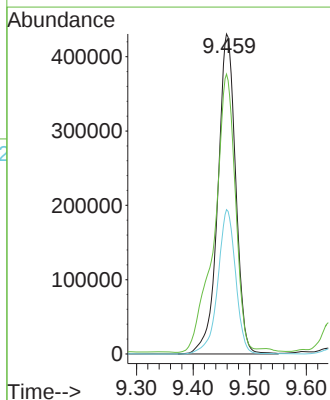
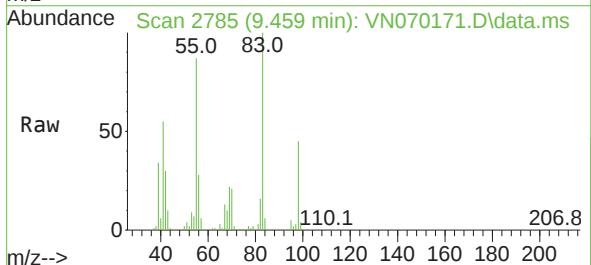
Manual Integrations
APPROVED

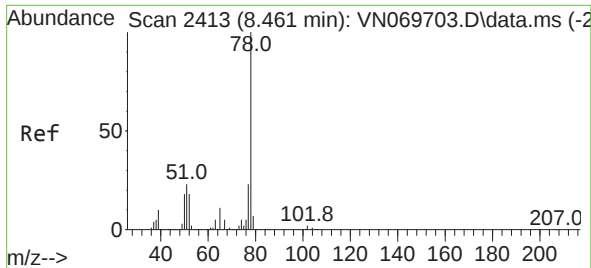
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#39
Methylcyclohexane
Concen: 52.843 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.002 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

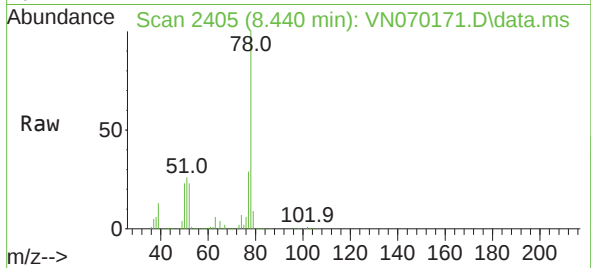
Tgt Ion: 83 Resp: 943695
Ion Ratio Lower Upper
83 100
55 86.9 58.1 87.1
98 45.1 38.4 57.6





#40
Benzene
Concen: 713.993 ug/l m
RT: 8.440 min Scan# 2413
Delta R.T. -0.021 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

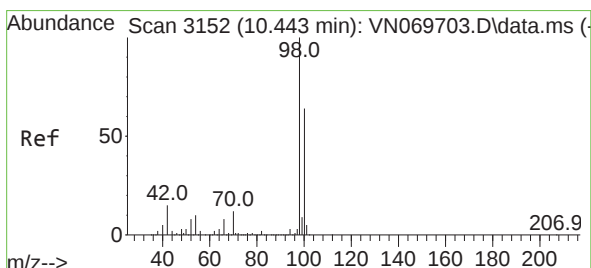
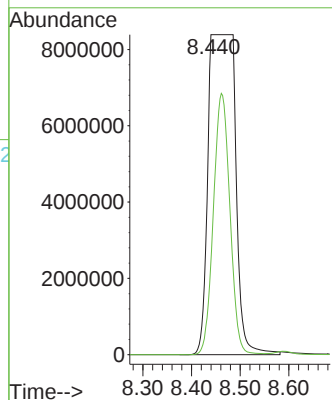
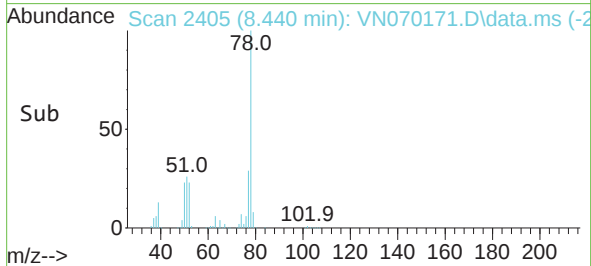
Instrument :
MSVOA_N
ClientSampleId :
MW-27



Tgt Ion: 78 Resp: 32766170
Ion Ratio Lower Upper
78 100
77 29.2 18.6 27.8

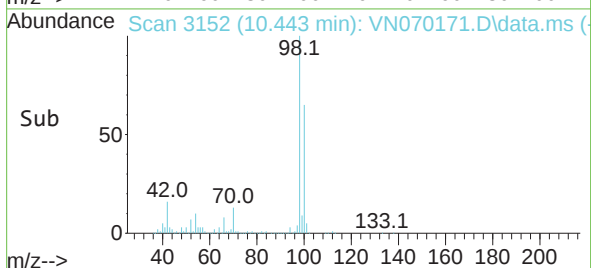
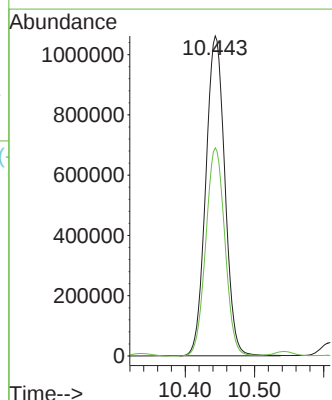
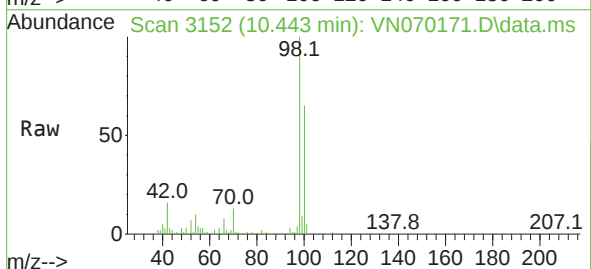
Manual Integrations
APPROVED

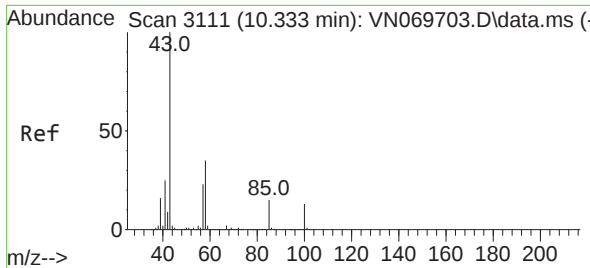
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#50
Toluene-d8
Concen: 51.149 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

Tgt Ion: 98 Resp: 2028920
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6





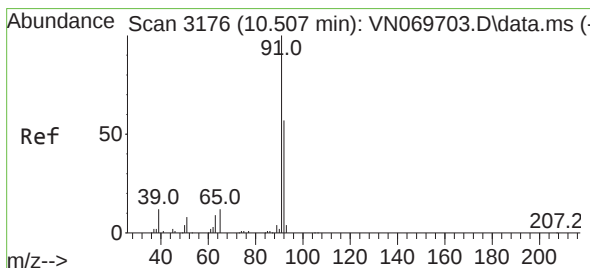
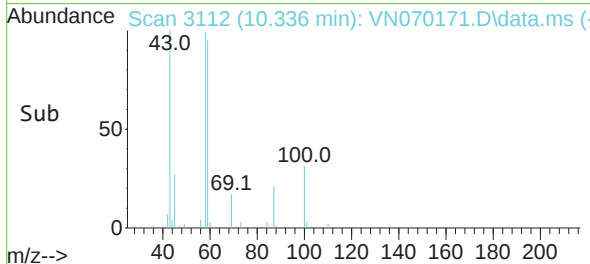
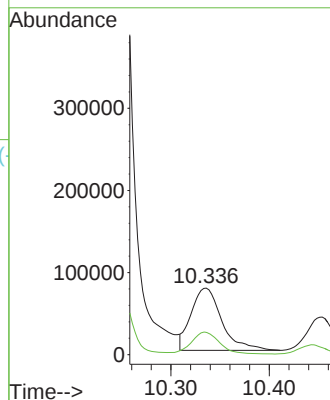
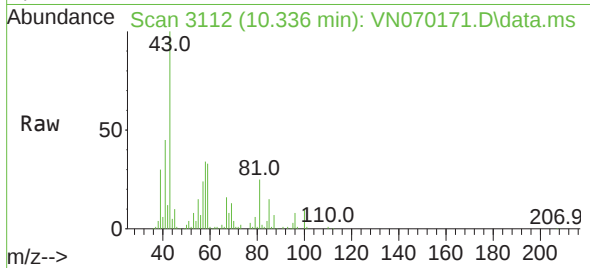
#51
4-Methyl-2-Pentanone
Concen: 7.656 ug/l
RT: 10.336 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :
MW-27

Tgt Ion: 43 Resp: 16424
Ion Ratio Lower Upper
43 100
58 32.4 30.4 45.6

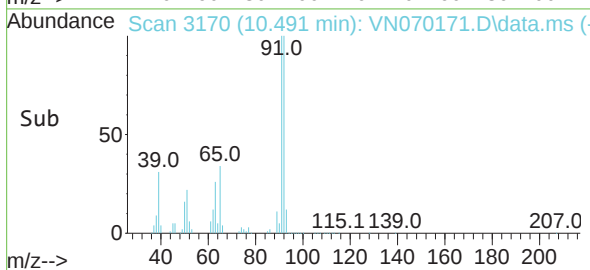
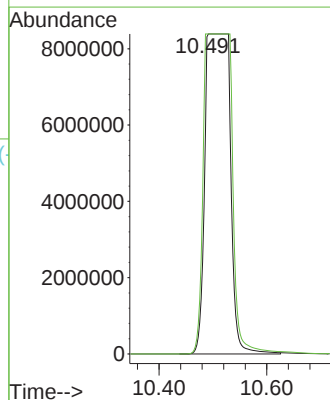
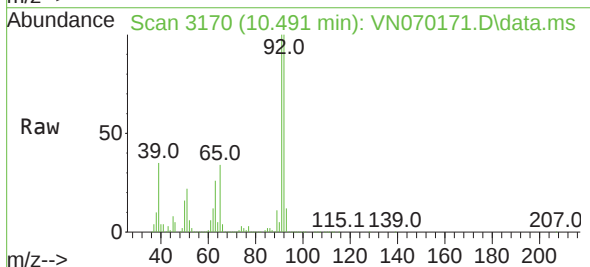
Manual Integrations
APPROVED

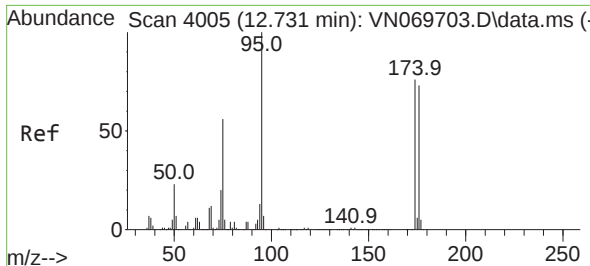
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#52
Toluene
Concen: 968.120 ug/l m
RT: 10.491 min Scan# 3170
Delta R.T. -0.016 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

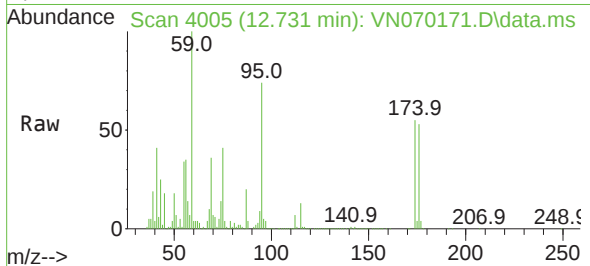
Tgt Ion: 92 Resp:27124290
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0#





#62
4-Bromofluorobenzene
Concen: 57.517 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

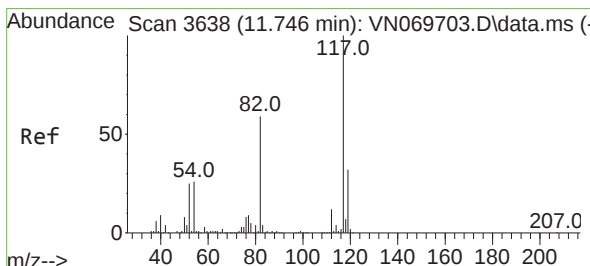
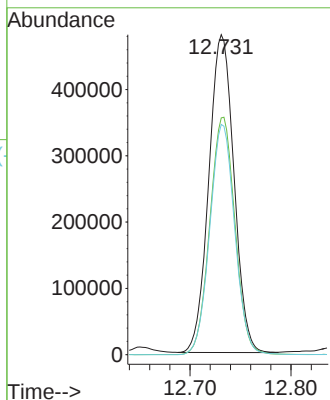
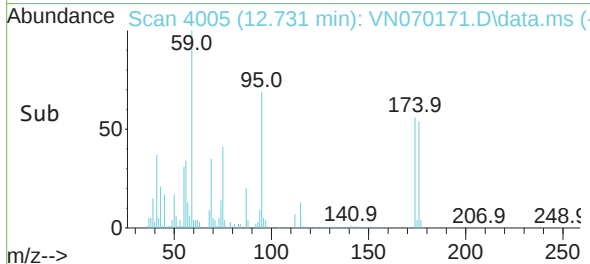
Instrument :
MSVOA_N
ClientSampleId :
MW-27



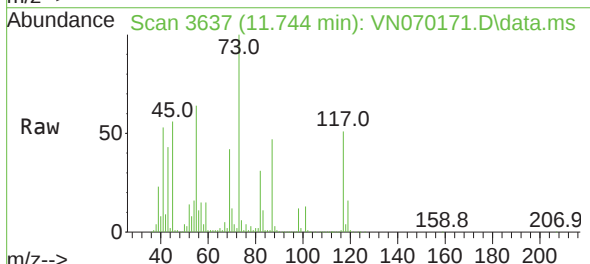
Tgt Ion: 95 Resp: 826542
Ion Ratio Lower Upper
95 100
174 74.8 0.0 187.2
176 72.1 0.0 181.4

Manual Integrations
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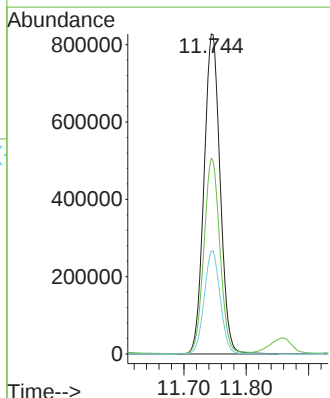
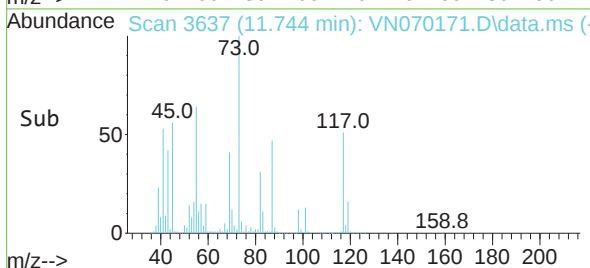
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

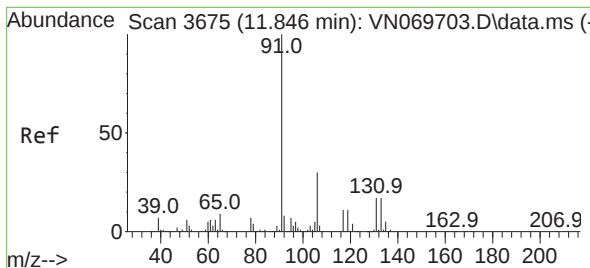


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18



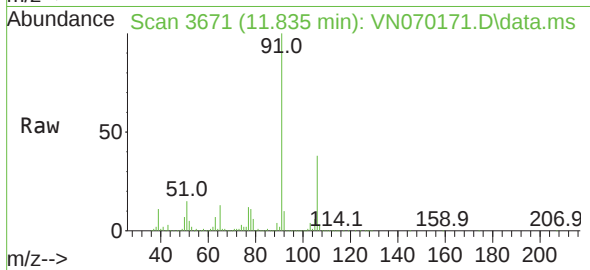
Tgt Ion:117 Resp: 1486107
Ion Ratio Lower Upper
117 100
82 61.0 42.4 63.6
119 32.2 25.4 38.2





#67
Ethyl Benzene
Concen: 370.803 ug/l m
RT: 11.835 min Scan# 3709
Delta R.T. -0.011 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

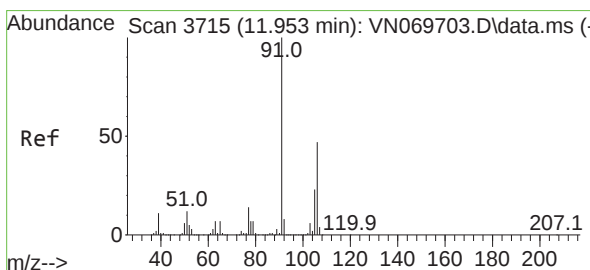
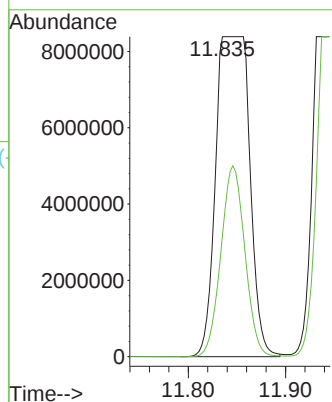
Instrument :
MSVOA_N
ClientSampleId :
MW-27



Tgt Ion: 91 Resp:20306830
Ion Ratio Lower Upper
91 100
106 38.0 25.7 38.5

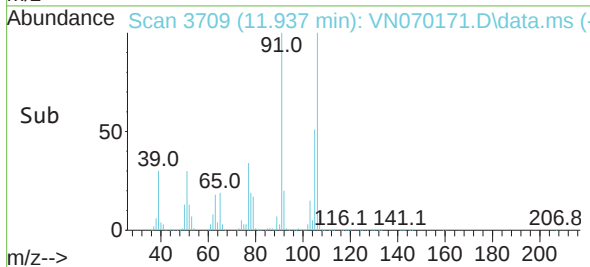
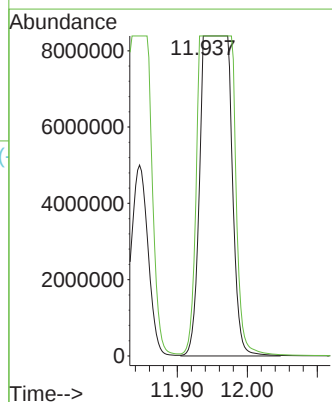
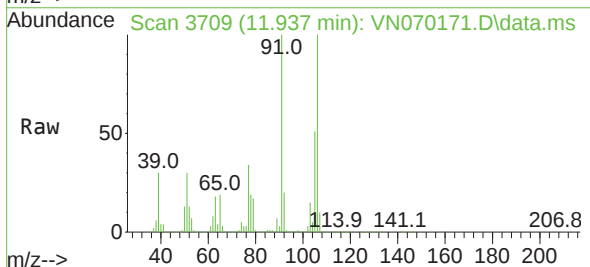
Manual Integrations
APPROVED

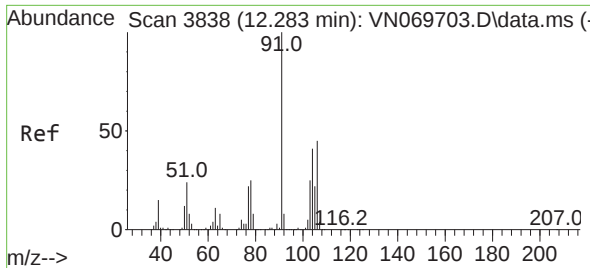
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#68
m/p-Xylenes
Concen: 1295.266 ug/l m
RT: 11.937 min Scan# 3709
Delta R.T. -0.016 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

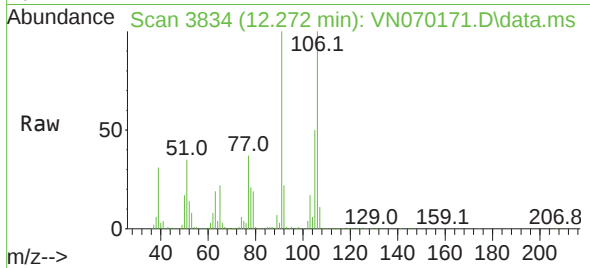
Tgt Ion:106 Resp:25827808
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8#





#69
o-Xylene
Concen: 956.266 ug/l m
RT: 12.272 min Scan# 3834
Delta R.T. -0.011 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

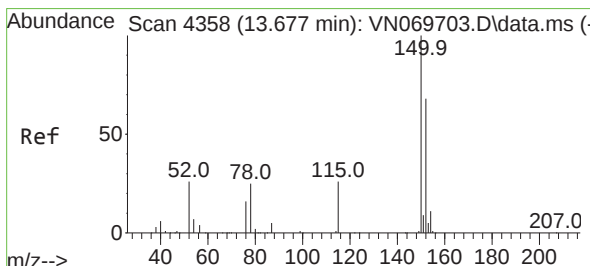
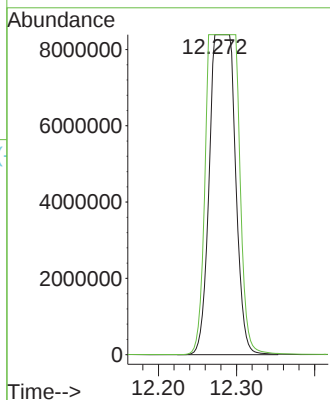
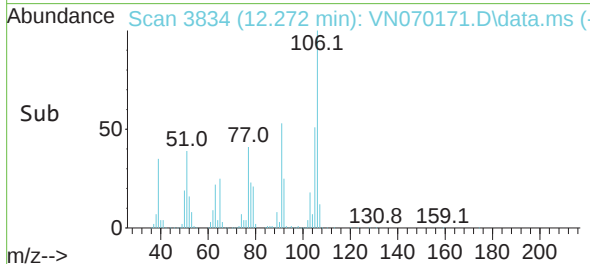
Instrument :
MSVOA_N
ClientSampleId :
MW-27



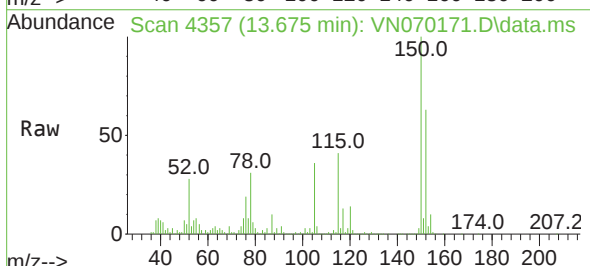
Tgt Ion:106 Resp:19206770
Ion Ratio Lower Upper
106 100
91 0.0 105.8 317.3

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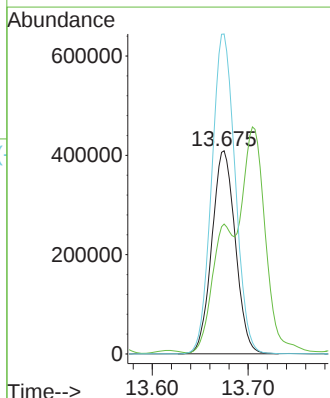
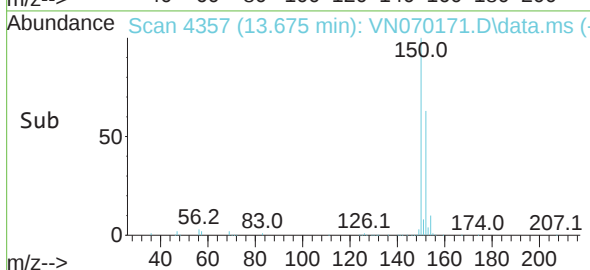
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

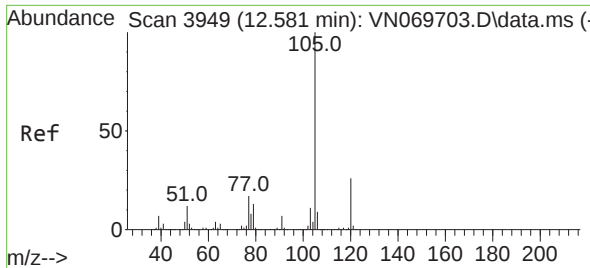


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18



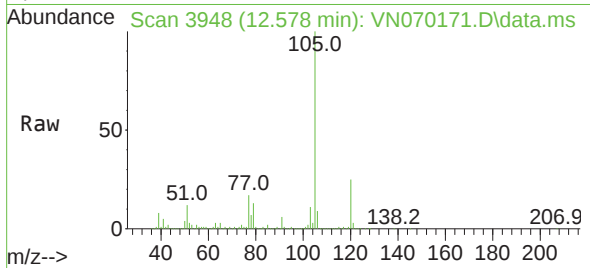
Tgt Ion:152 Resp: 694126
Ion Ratio Lower Upper
152 100
115 57.8 27.5 82.5
150 157.8 0.0 344.4





#73
Isopropylbenzene
Concen: 42.686 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.002 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

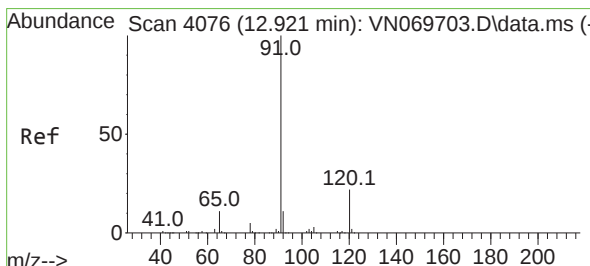
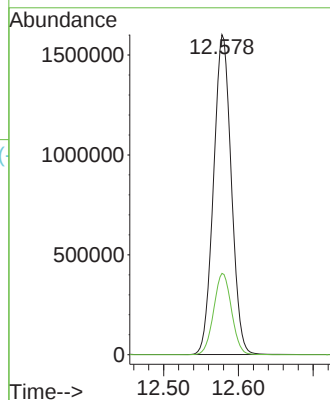
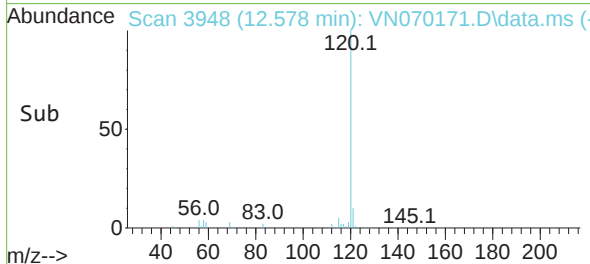
Instrument : MSVOA_N
ClientSampleId : MW-27



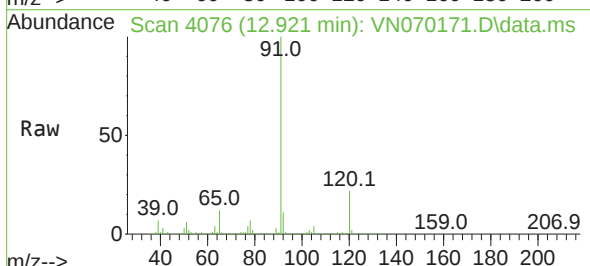
Tgt Ion:105 Resp: 263616
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1

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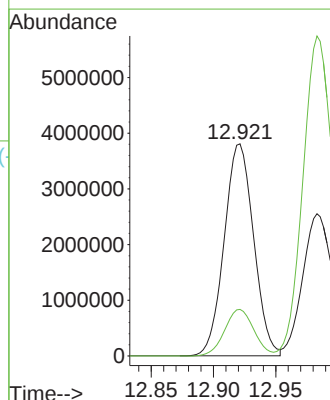
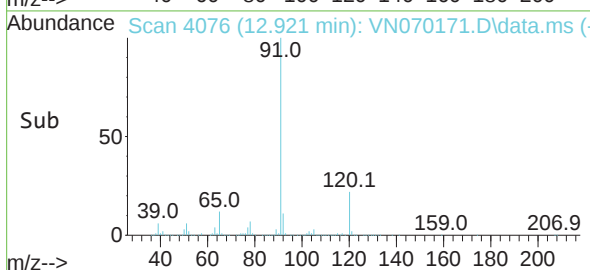
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

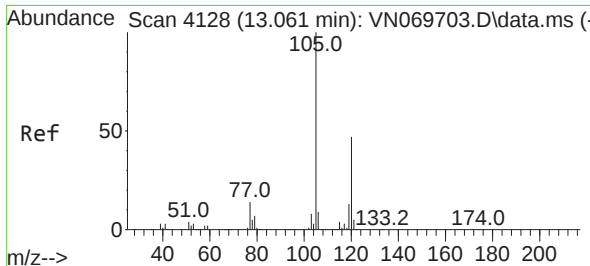


#78
n-propylbenzene
Concen: 90.990 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18



Tgt Ion: 91 Resp: 6253060
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.9





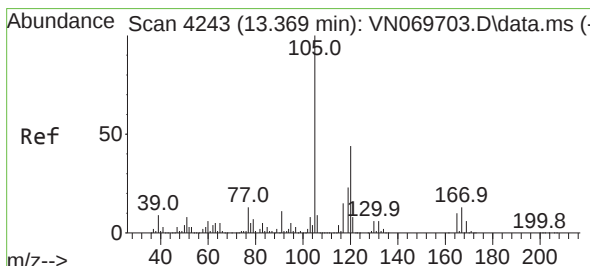
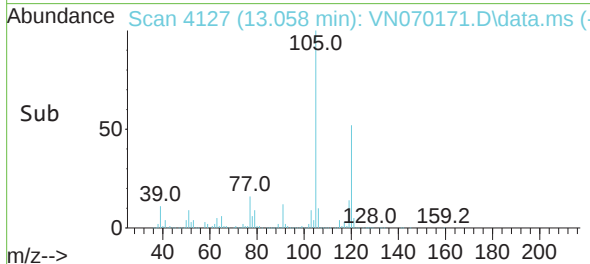
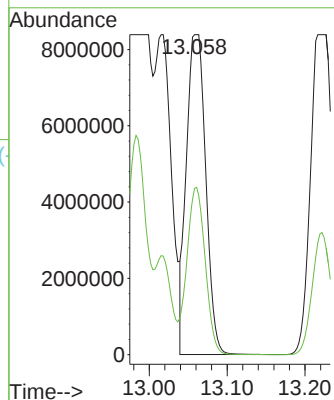
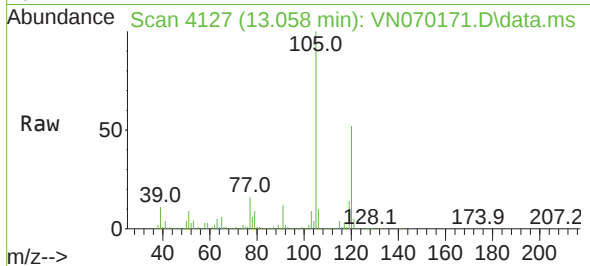
#80
1,3,5-Trimethylbenzene
Concen: 290.689 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.002 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :
MW-27

Tgt Ion:105 Resp:14449500
Ion Ratio Lower Upper
105 100
120 49.8 24.6 73.6

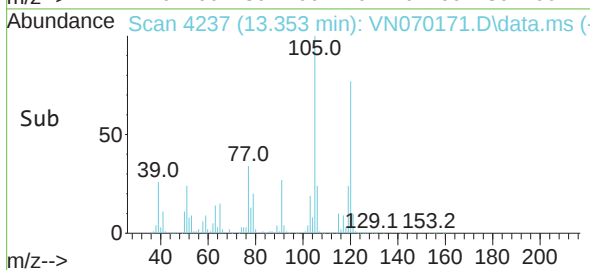
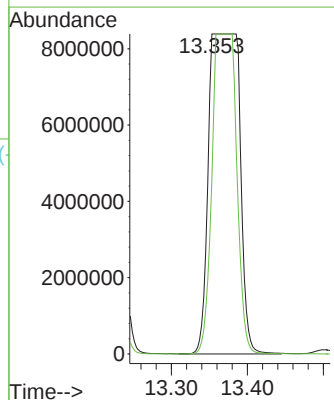
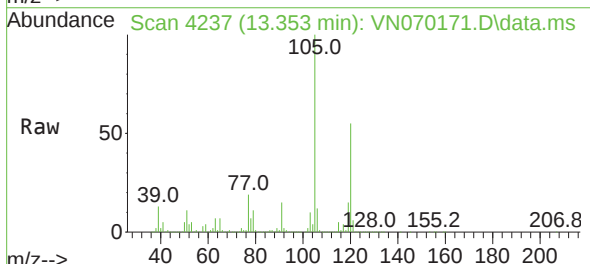
Manual Integrations
APPROVED

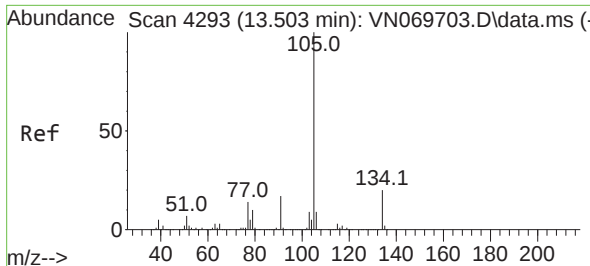
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#84
1,2,4-Trimethylbenzene
Concen: 501.463 ug/l m
RT: 13.353 min Scan# 4237
Delta R.T. -0.016 min
Lab File: VN070171.D
Acq: 17 Dec 2021 18:18

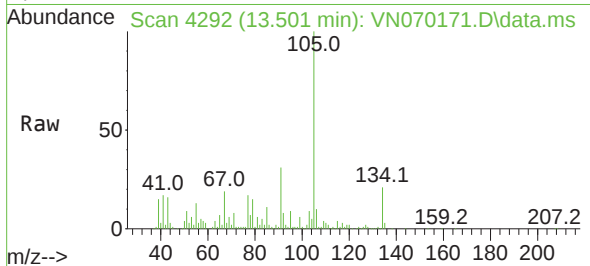
Tgt Ion:105 Resp:23739025
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4#





#85
 sec-Butylbenzene
 Concen: 3.205 ug/l m
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.002 min
 Lab File: VN070171.D
 Acq: 17 Dec 2021 18:18

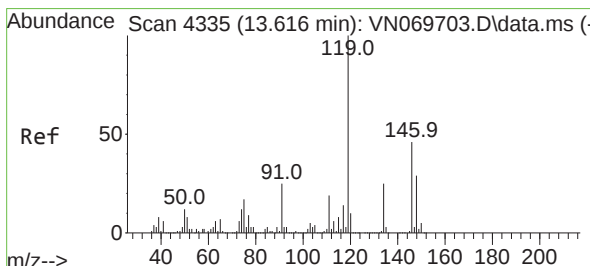
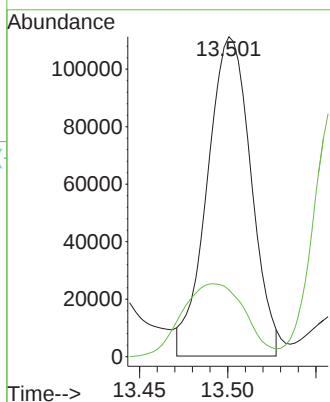
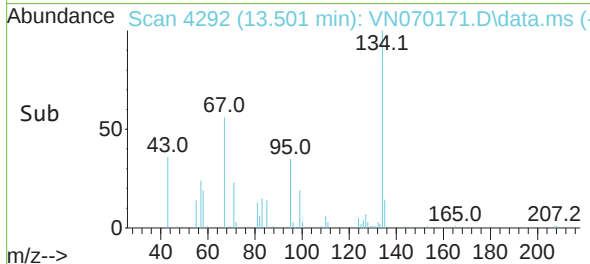
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27



Tgt Ion:105 Resp: 19136
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#

Manual Integrations
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Reviewed By :John Carlone 12/18/2021
 Supervised By :Mahesh Dadoda 12/23/2021



#86
 p-Isopropyltoluene
 Concen: 2.892 ug/l m
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070171.D
 Acq: 17 Dec 2021 18:18

Tgt Ion:119 Resp: 134969
 Ion Ratio Lower Upper
 119 100
 134 105.1 13.6 40.7#
 91 0.0 11.4 34.1#

