

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072104.D
 Acq On : 21 Apr 2022 02:42
 Operator : JC\MD
 Sample : N2482-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 03:42:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	661601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1067318	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1233152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	545395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	338596	44.830	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.660%		
35) Dibromofluoromethane	8.022	113	308284	49.085	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.180%		
50) Toluene-d8	10.439	98	1372374	53.416	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.840%		
62) 4-Bromofluorobenzene	12.727	95	569109	68.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	136.980%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.375	59	4669	3.809	ug/l #	72
16) Acetone	4.281	43	91009	28.195	ug/l	92
25) 2-Butanone	7.339	43	12027	2.585	ug/l	97
31) Cyclohexane	8.092	56	526672	51.275	ug/l	98
37) Ethyl Acetate	7.410	43	21339	2.223	ug/l	98
39) Methylcyclohexane	9.457	83	133257	12.764	ug/l	98
40) Benzene	8.457	78	6256045	225.803	ug/l	100
52) Toluene	10.504	92	3949714	225.523	ug/l	98
67) Ethyl Benzene	11.833	91	17357865	415.256	ug/l	91
68) m/p-Xylenes	11.939	106	22936702m	1428.124	ug/l	
69) o-Xylene	12.280	106	14129568	886.349	ug/l	55
73) Isopropylbenzene	12.574	105	1318195	28.682	ug/l	100
78) n-propylbenzene	12.916	91	3154007	65.240	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	4421412	121.421	ug/l	100
84) 1,2,4-Trimethylbenzene	13.363	105	14765462	415.590	ug/l	94
85) sec-Butylbenzene	13.498	105	58277m	1.351	ug/l	
86) p-Isopropyltoluene	13.610	119	30054m	0.874	ug/l	
89) n-Butylbenzene	13.933	91	27964m	1.096	ug/l	
95) Naphthalene	15.498	128	2825797	108.928	ug/l	100

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

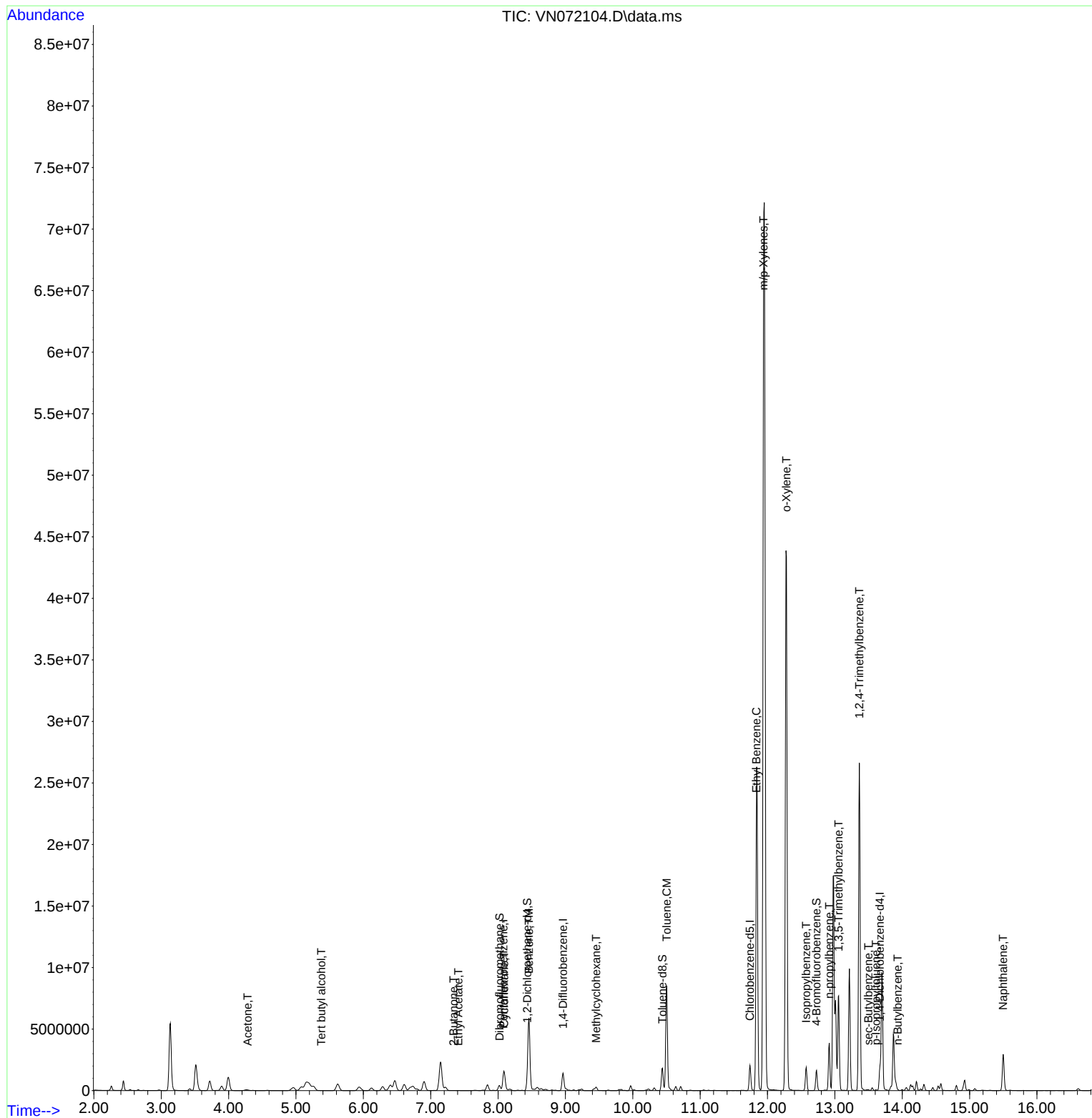
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
Data File : VN072104.D
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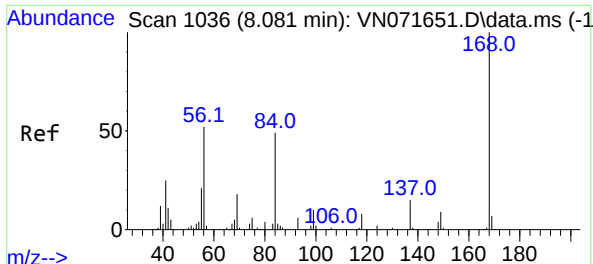
Instrument :
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ClientSampleId :
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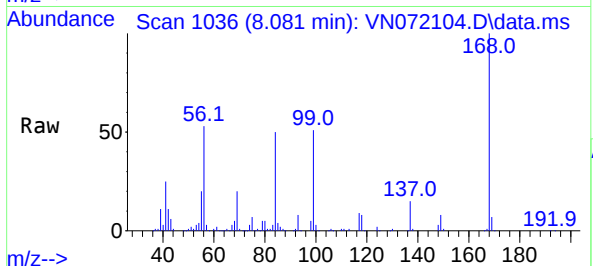
Quant Time: Apr 21 03:42:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

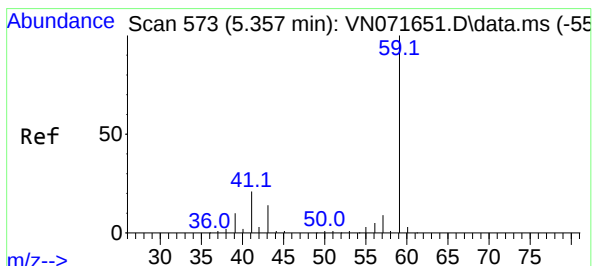
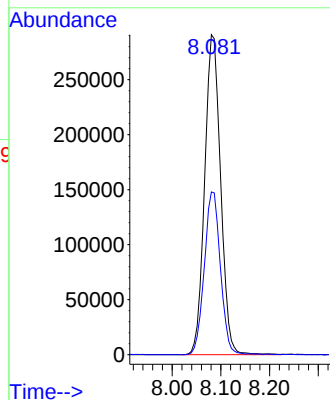
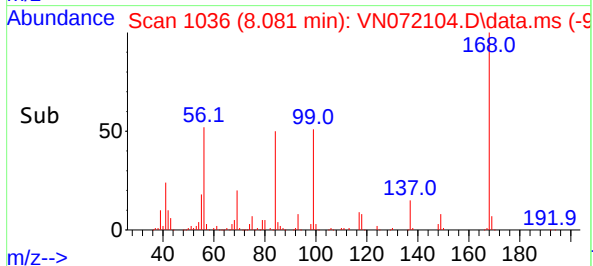
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 168 Resp: 66160
Ion Ratio Lower Upper
168 100
99 50.9 42.3 63.5

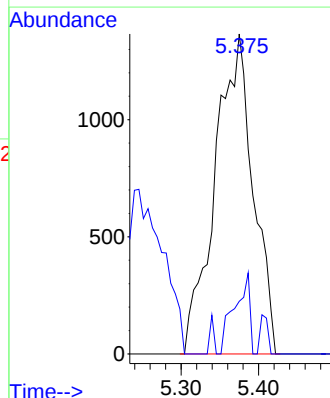
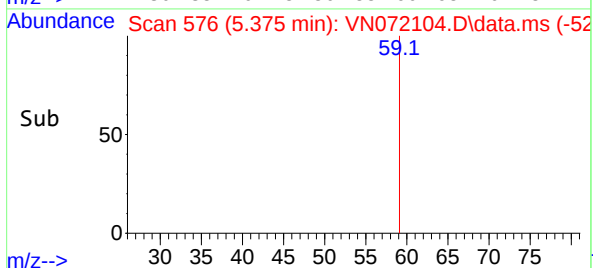
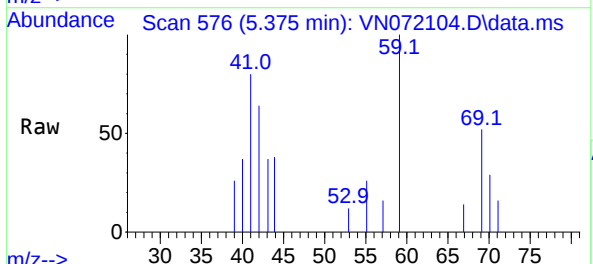
Manual Integrations
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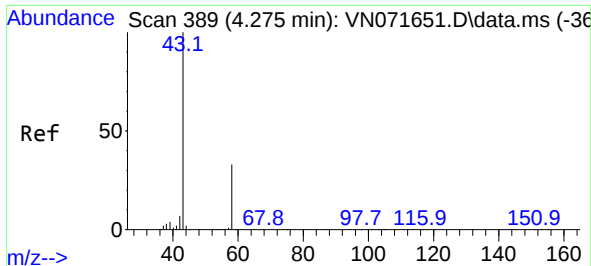
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#11
Tert butyl alcohol
Concen: 3.809 ug/l
RT: 5.375 min Scan# 576
Delta R.T. 0.018 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

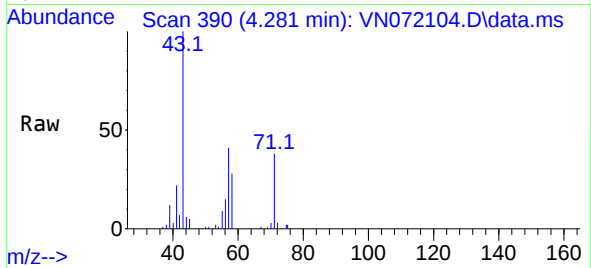
Tgt Ion: 59 Resp: 4669
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16
Acetone
Concen: 28.195 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

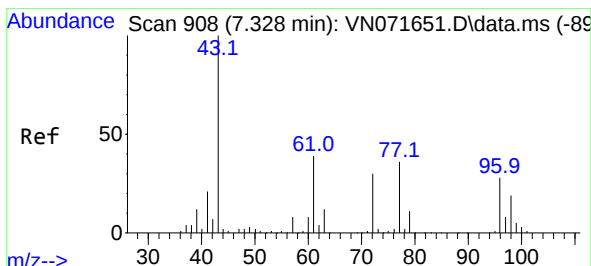
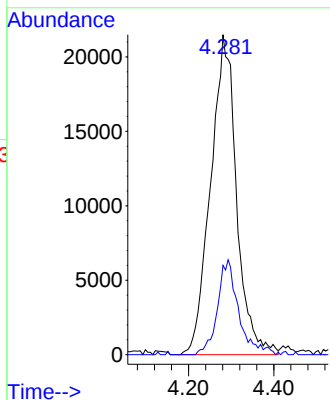
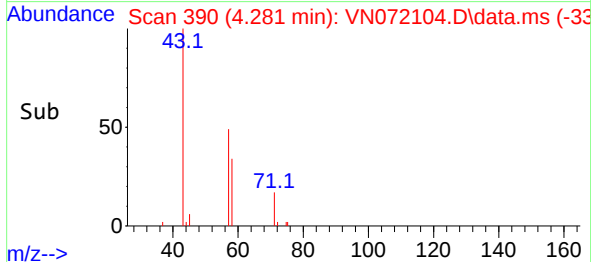
Instrument :
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ClientSampleId :
MW-14



Tgt Ion: 43 Resp: 91009
Ion Ratio Lower Upper
43 100
58 27.9 26.0 39.0

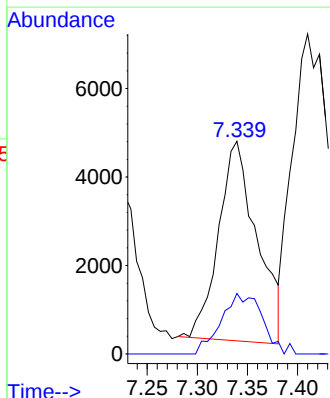
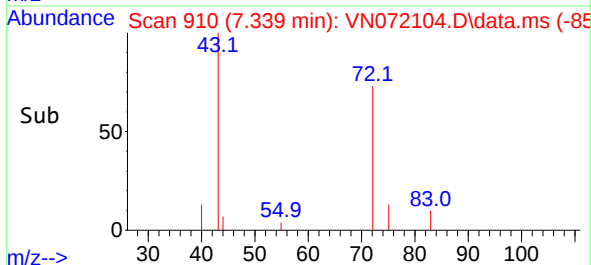
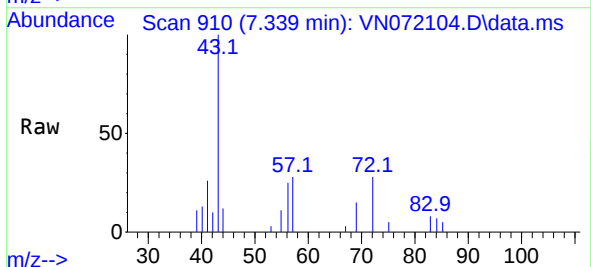
Manual Integrations
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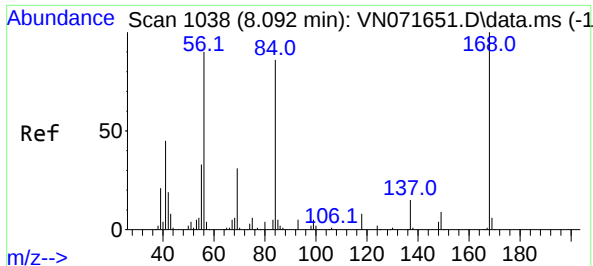
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#25
2-Butanone
Concen: 2.585 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

Tgt Ion: 43 Resp: 12027
Ion Ratio Lower Upper
43 100
72 31.0 23.7 35.5





#31

Cyclohexane

Concen: 51.275 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VN072104.D

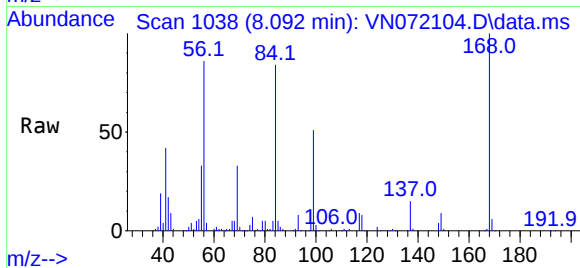
Acq: 21 Apr 2022 02:42

Instrument :

MSVOA_N

ClientSampleId :

MW-14



Tgt Ion: 56 Resp: 526672

Ion Ratio Lower Upper

56 100

69 37.9 27.8 41.8

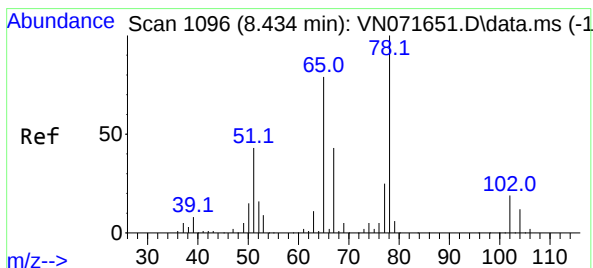
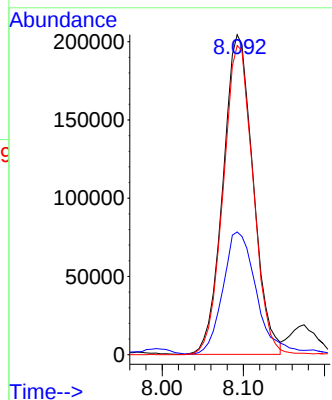
84 96.7 76.9 115.3

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#33

1,2-Dichloroethane-d4

Concen: 44.830 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072104.D

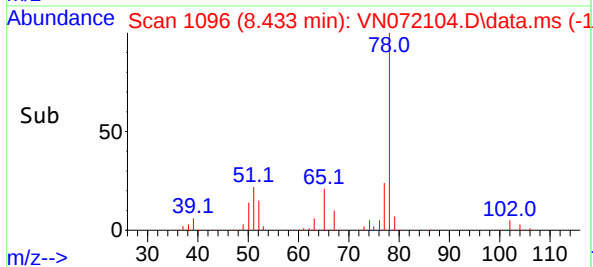
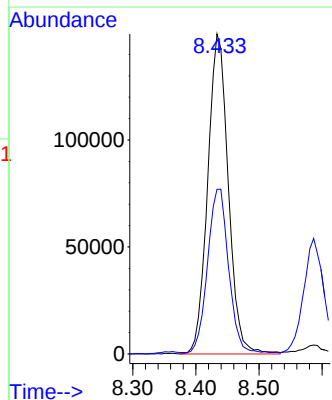
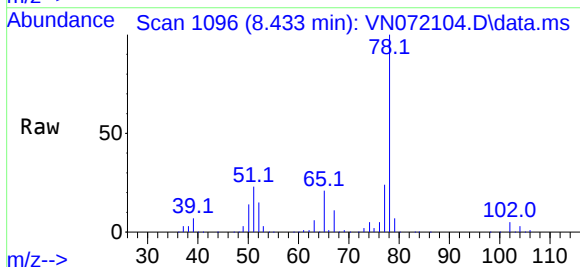
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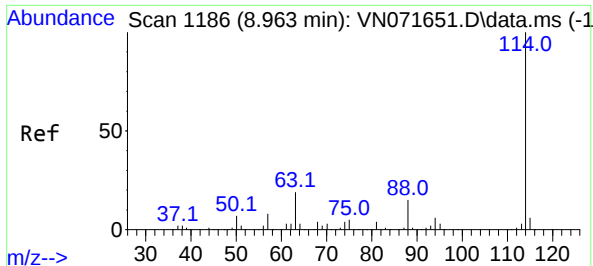
Tgt Ion: 65 Resp: 338596

Ion Ratio Lower Upper

65 100

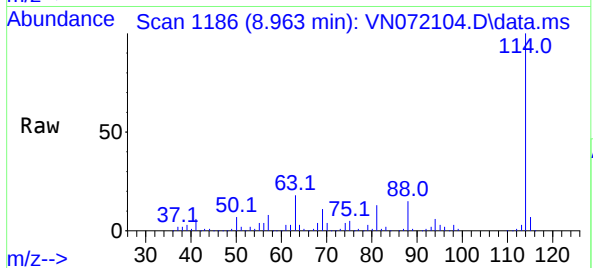
67 52.7 0.0 104.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

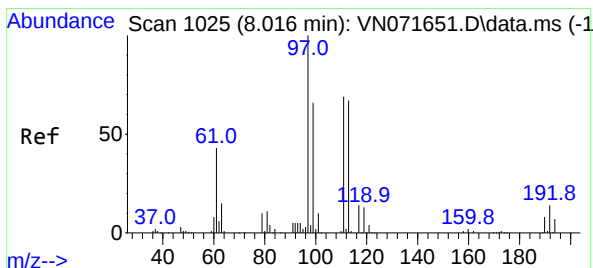
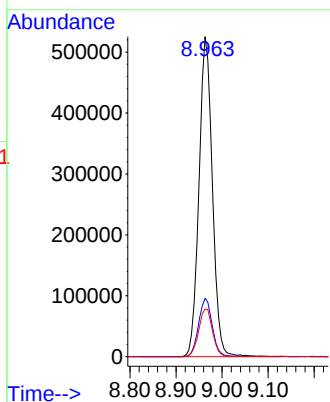
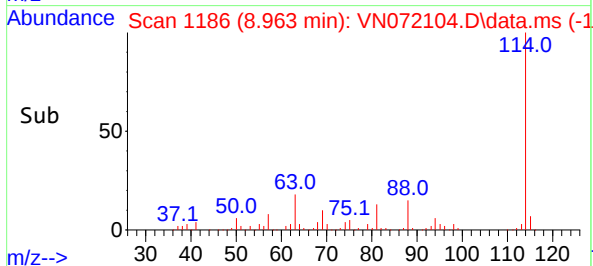
Instrument :
MSVOA_N
ClientSampleId :
MW-14



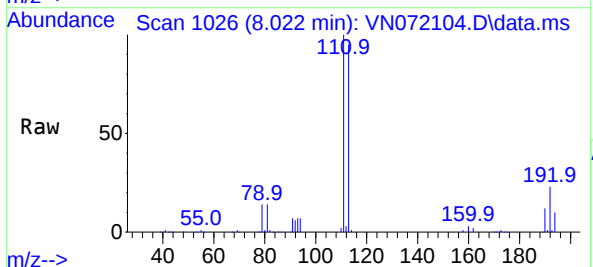
Tgt Ion:114 Resp: 1067318
Ion Ratio Lower Upper
114 100
63 18.2 0.0 40.0
88 14.9 0.0 32.6

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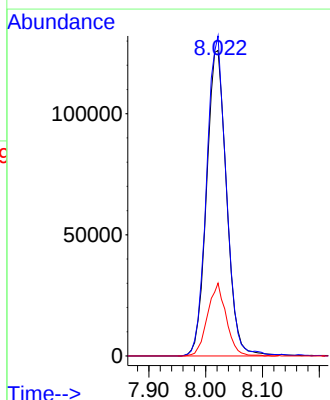
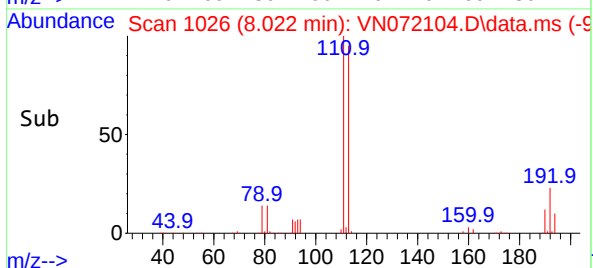
Reviewed By :John Carlone 04/21/2022
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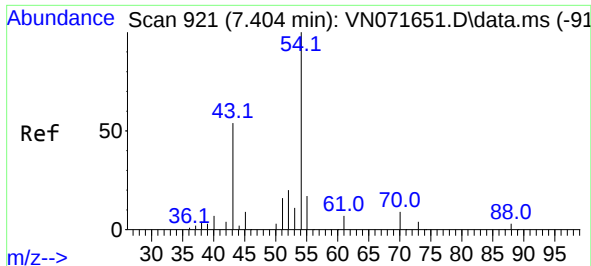


#35
Dibromofluoromethane
Concen: 49.085 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42



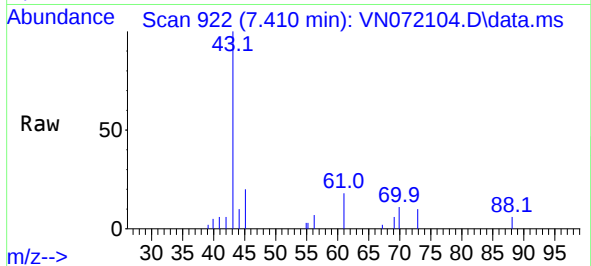
Tgt Ion:113 Resp: 308284
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 22.3 17.0 25.6





#37
Ethyl Acetate
Concen: 2.223 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

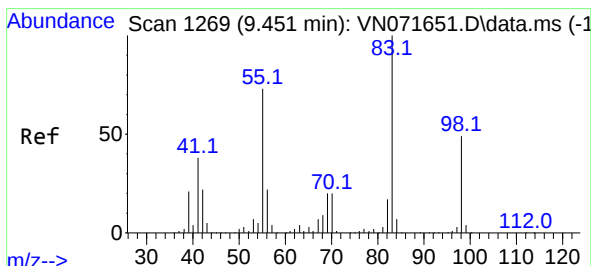
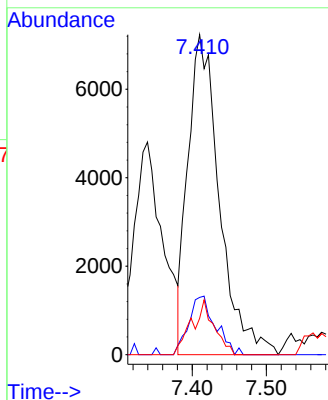
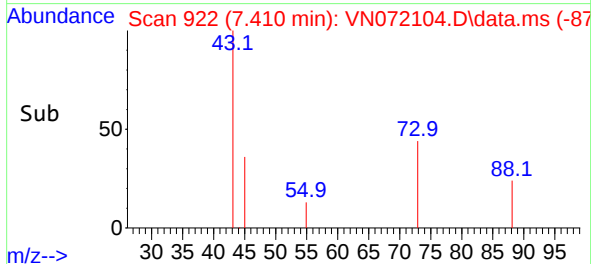
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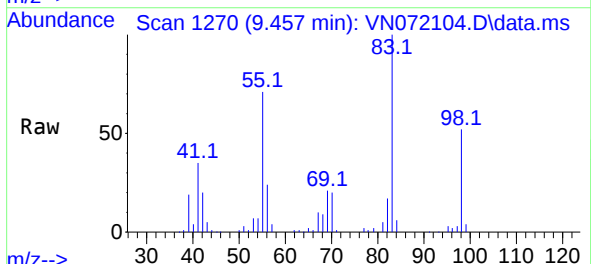
Tgt Ion: 43 Resp: 21339
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 12.2 9.3 13.9

Manual Integrations
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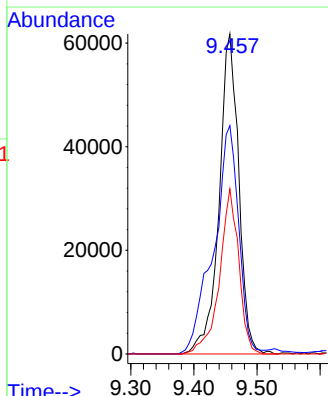
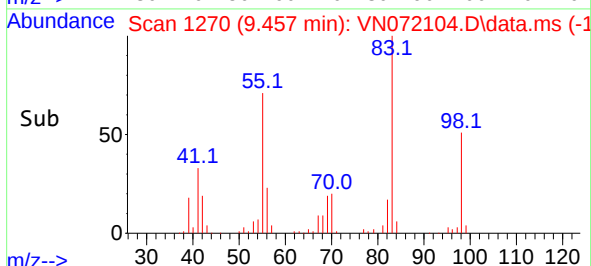
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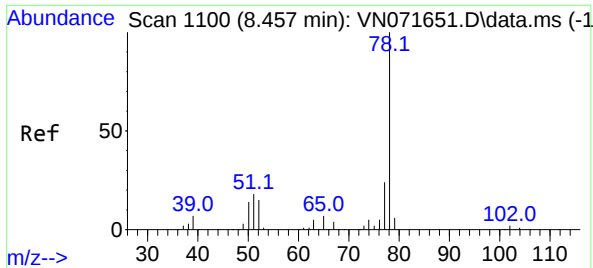


#39
Methylcyclohexane
Concen: 12.764 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42



Tgt Ion: 83 Resp: 133257
Ion Ratio Lower Upper
83 100
55 71.4 57.8 86.8
98 51.6 39.4 59.2





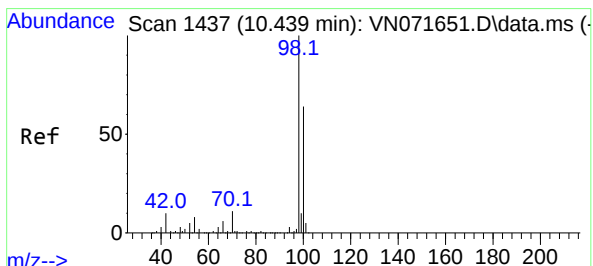
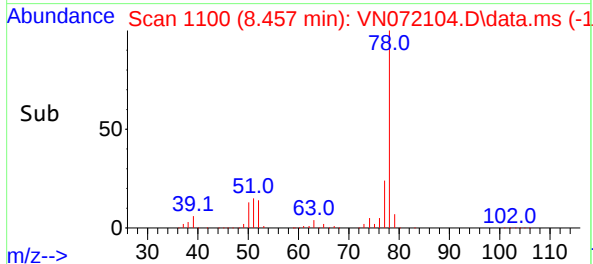
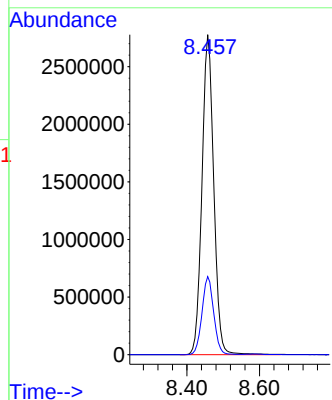
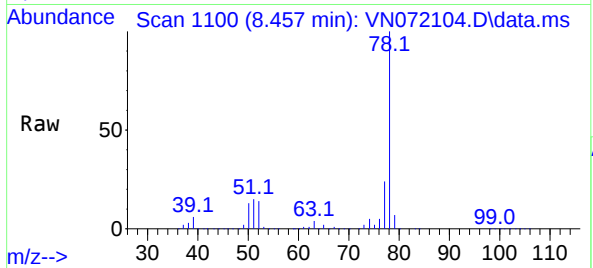
#40
Benzene
Concen: 225.803 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

Instrument :
MSVOA_N
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Tgt Ion: 78 Resp: 625604
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0

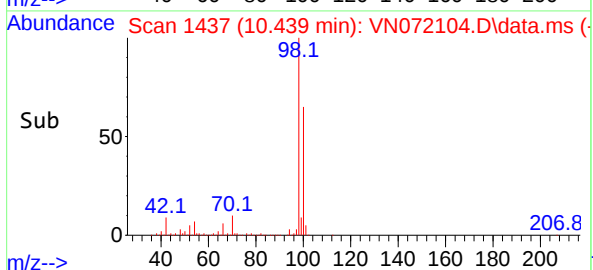
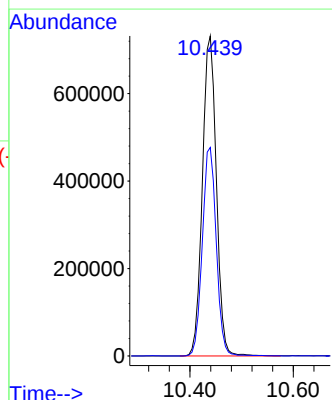
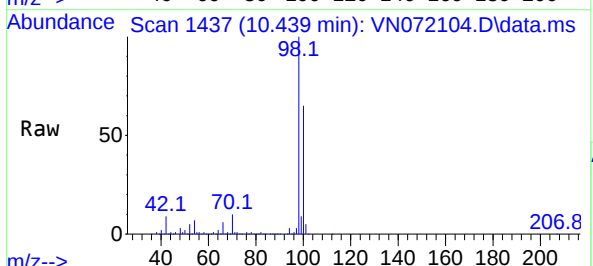
Manual Integrations
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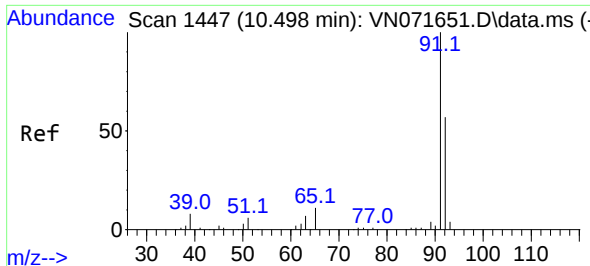
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#50
Toluene-d8
Concen: 53.416 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

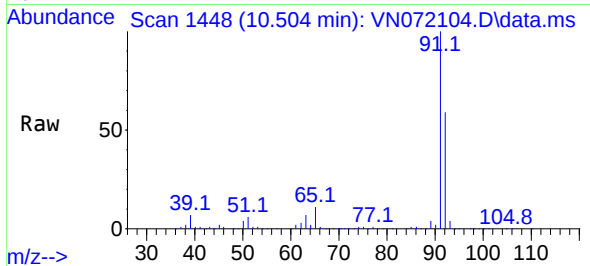
Tgt Ion: 98 Resp: 1372374
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8





#52
Toluene
Concen: 225.523 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

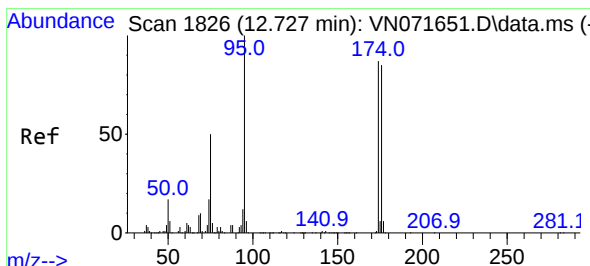
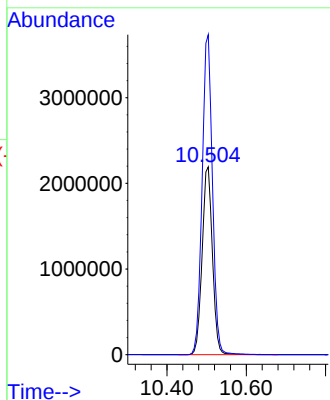
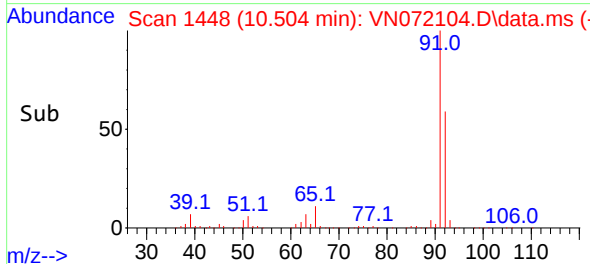
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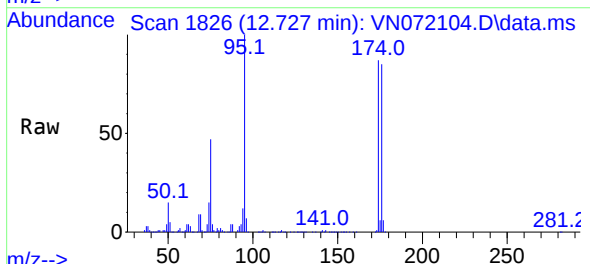
Tgt Ion: 92 Resp: 3949714
Ion Ratio Lower Upper
92 100
91 170.8 138.6 207.8

Manual Integrations
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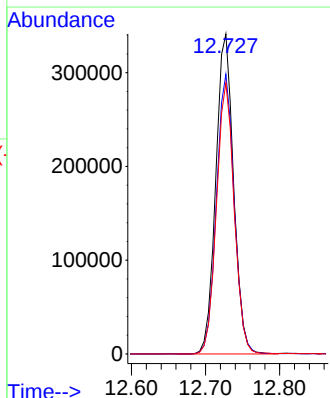
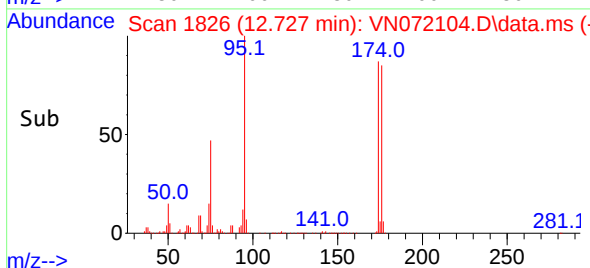
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

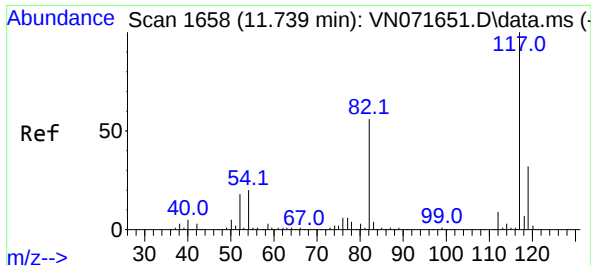


#62
4-Bromofluorobenzene
Concen: 68.491 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42



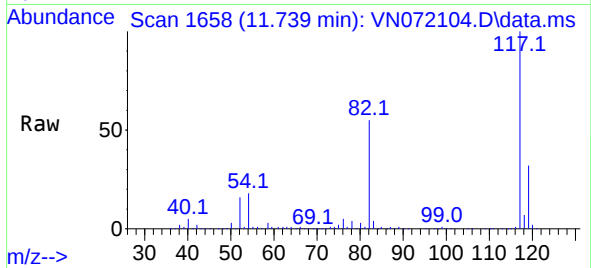
Tgt Ion: 95 Resp: 569109
Ion Ratio Lower Upper
95 100
174 87.4 0.0 167.6
176 84.1 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

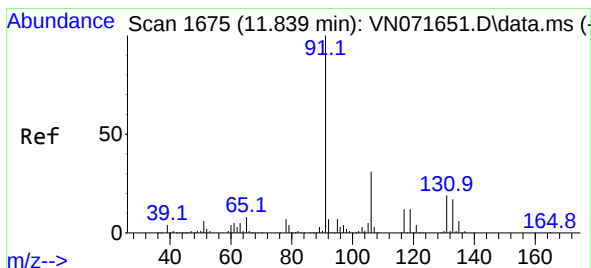
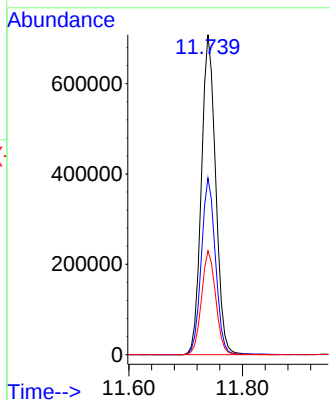
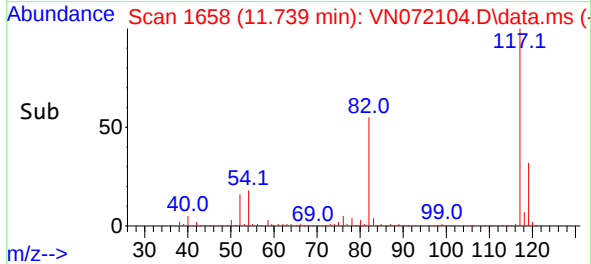
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:117 Resp: 123315
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.4 25.4 38.0

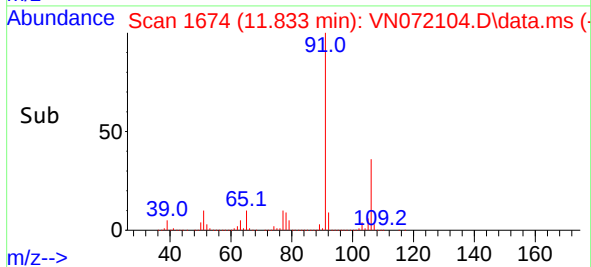
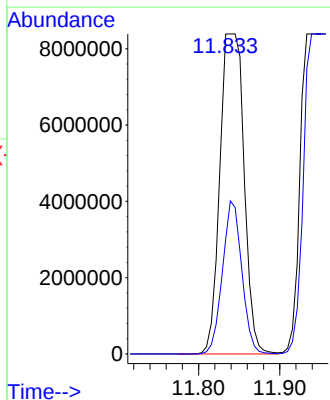
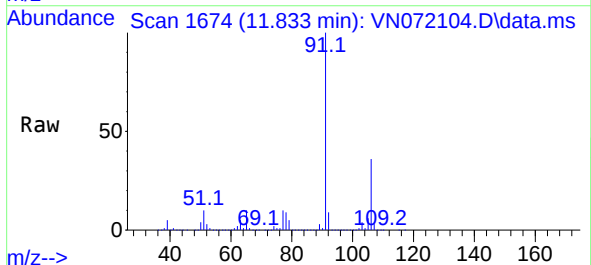
Manual Integrations
APPROVED

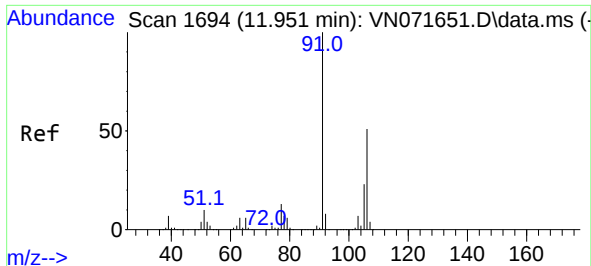
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#67
Ethyl Benzene
Concen: 415.256 ug/l
RT: 11.833 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

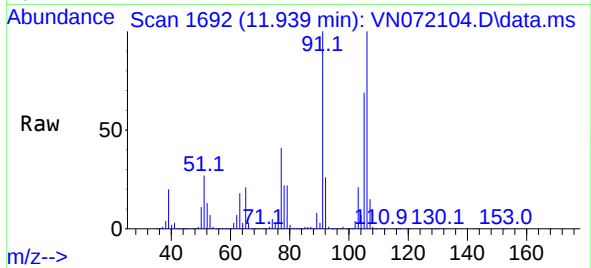
Tgt Ion: 91 Resp:17357865
Ion Ratio Lower Upper
91 100
106 36.0 24.9 37.3





#68
m/p-Xylenes
Concen: 1428.124 ug/l m
RT: 11.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

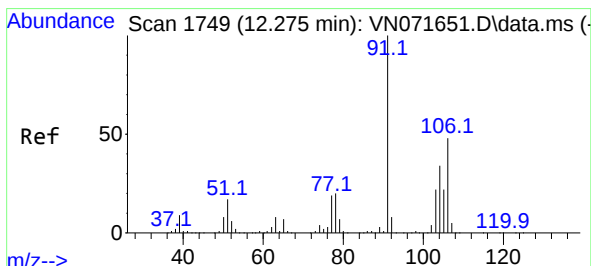
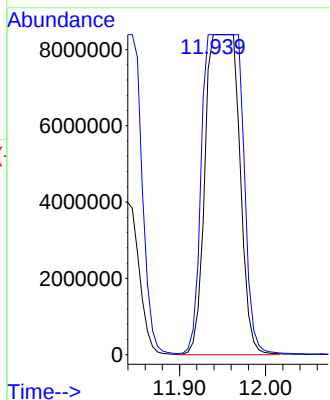
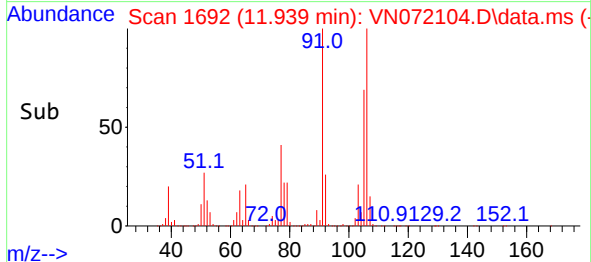
Instrument :
MSVOA_N
ClientSampleId :
MW-14



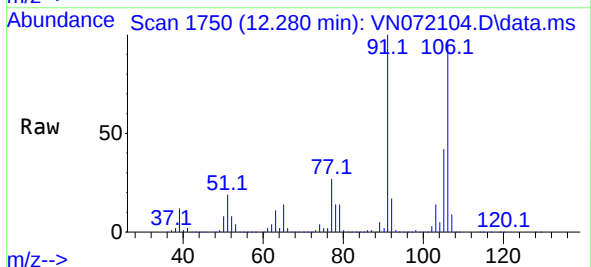
Tgt Ion:106 Resp:2293670
Ion Ratio Lower Upper
106 100
91 75.7 158.9 238.3

Manual Integrations
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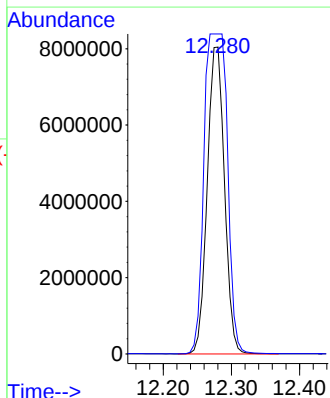
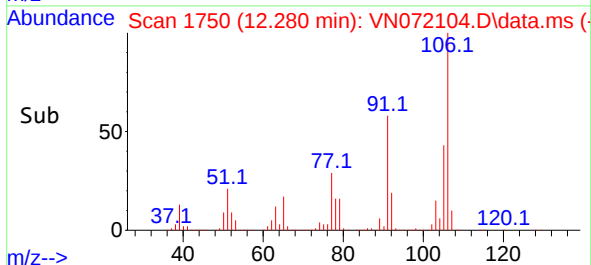
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

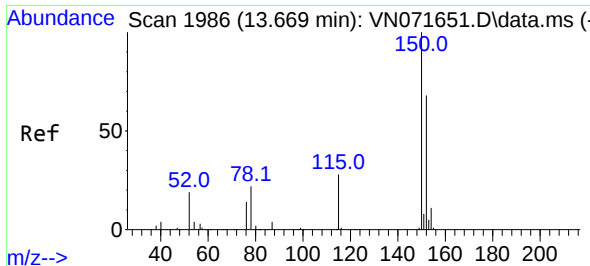


#69
o-Xylene
Concen: 886.349 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.005 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42



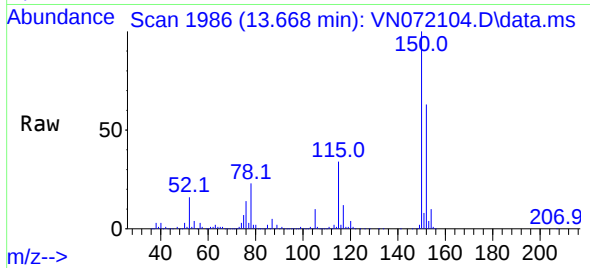
Tgt Ion:106 Resp:14129568
Ion Ratio Lower Upper
106 100
91 141.8 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

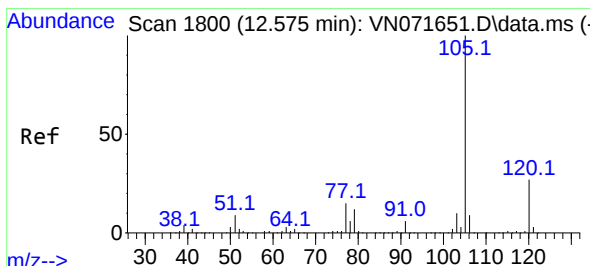
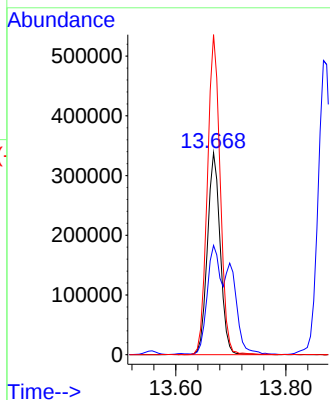
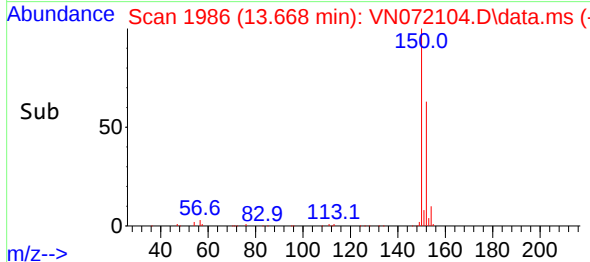
Instrument :
MSVOA_N
ClientSampleId :
MW-14



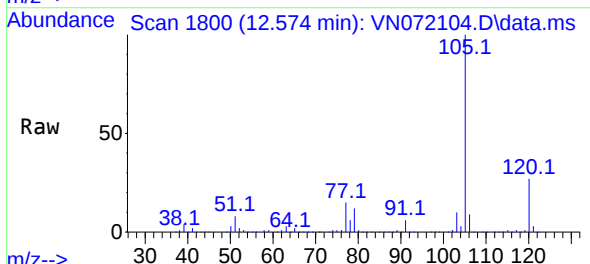
Tgt Ion:152 Resp: 545395
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.7
150 158.8 0.0 356.2

Manual Integrations
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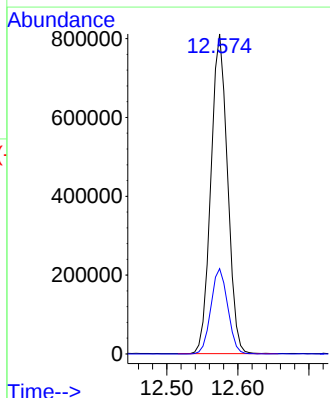
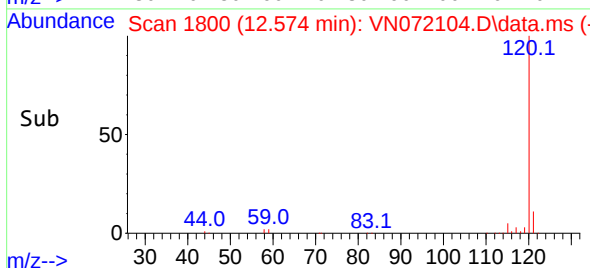
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

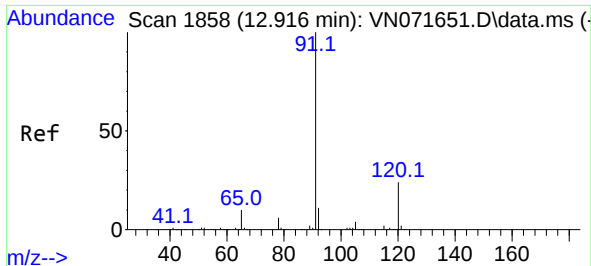


#73
Isopropylbenzene
Concen: 28.682 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42



Tgt Ion:105 Resp: 1318195
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4





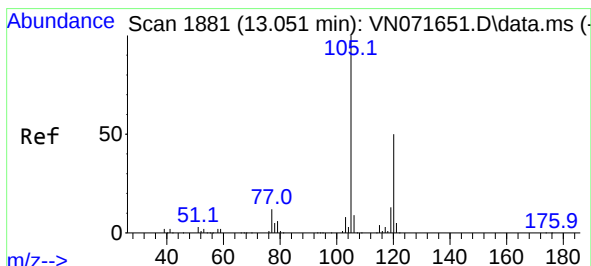
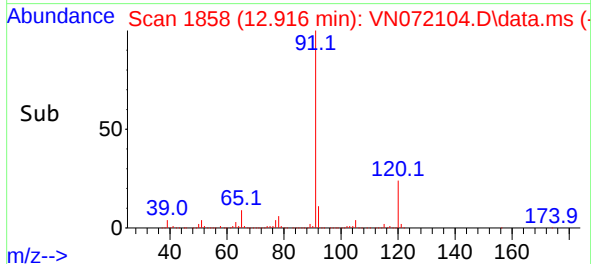
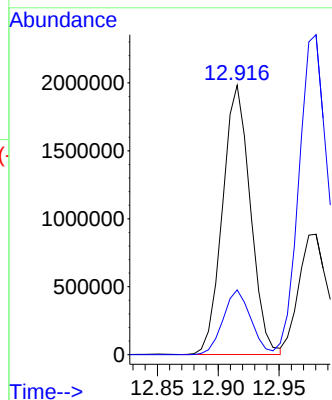
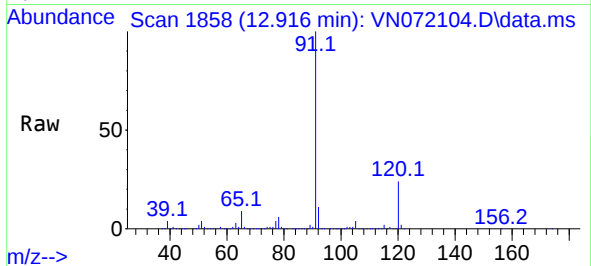
#78
n-propylbenzene
Concen: 65.240 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Tgt Ion: 91 Resp: 315400
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.5

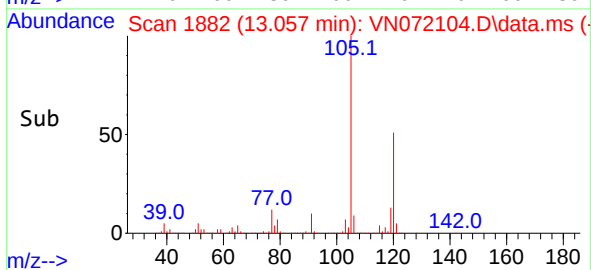
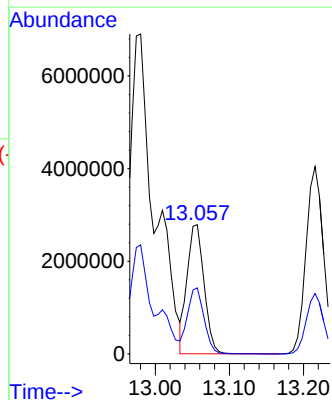
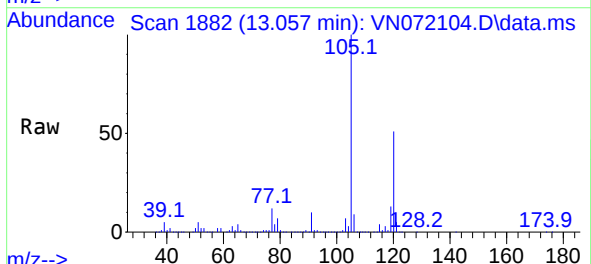
Manual Integrations
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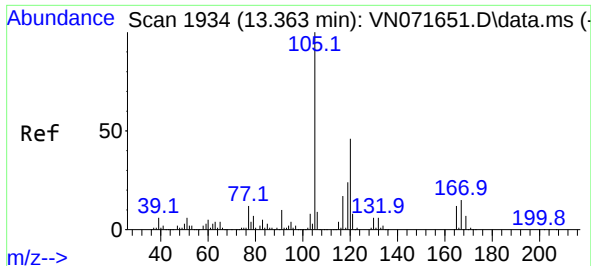
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#80
1,3,5-Trimethylbenzene
Concen: 121.421 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

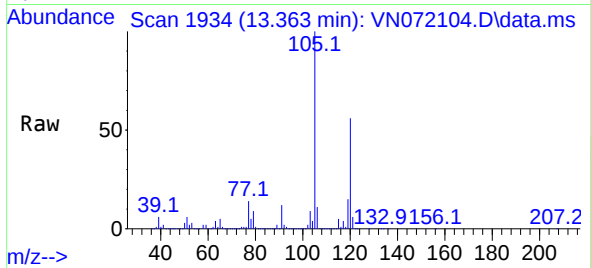
Tgt Ion:105 Resp: 4421412
Ion Ratio Lower Upper
105 100
120 50.1 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 415.590 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

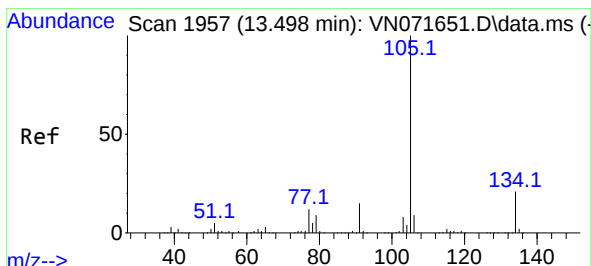
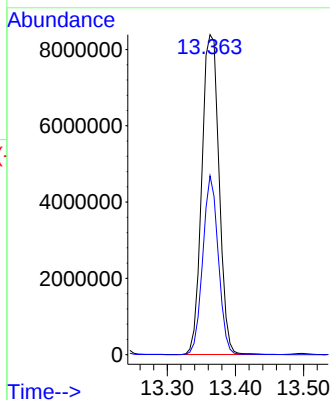
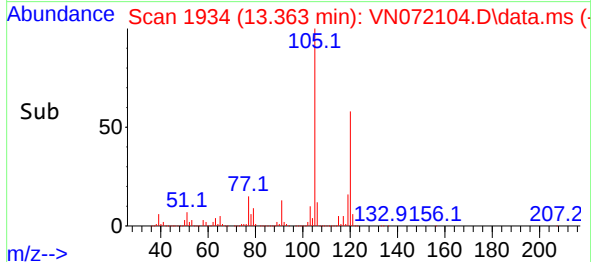
Instrument :
MSVOA_N
ClientSampleId :
MW-14



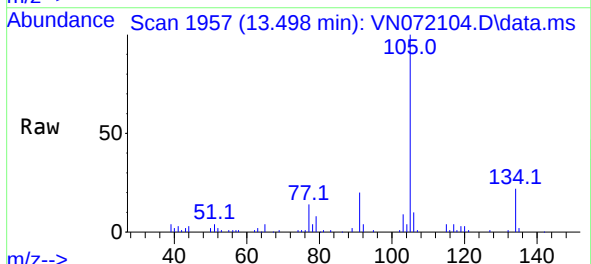
Tgt Ion:105 Resp:1476546
Ion Ratio Lower Upper
105 100
120 50.4 23.3 69.8

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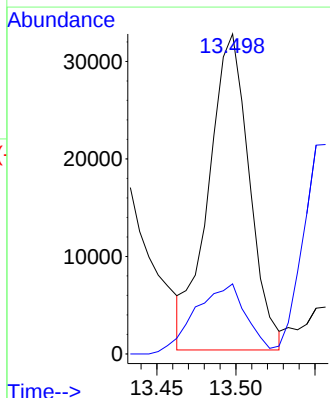
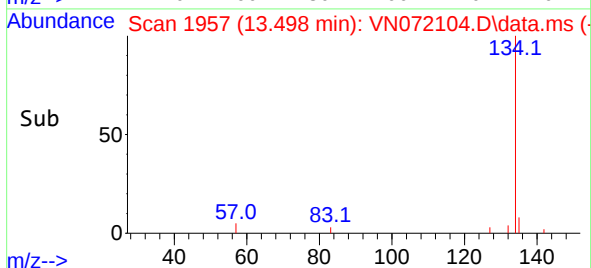
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

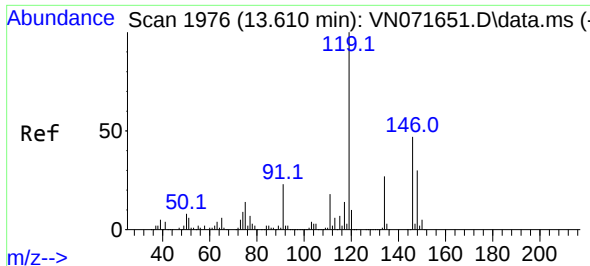


#85
sec-Butylbenzene
Concen: 1.351 ug/l m
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42



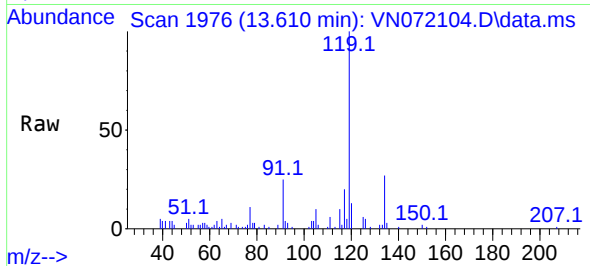
Tgt Ion:105 Resp: 58277
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 0.874 ug/l m
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

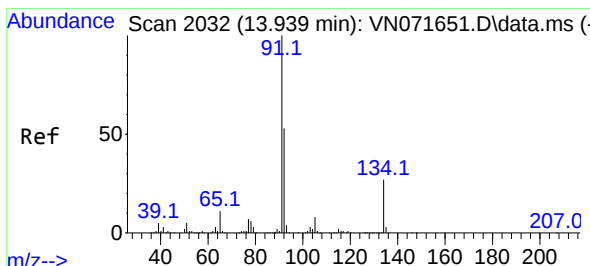
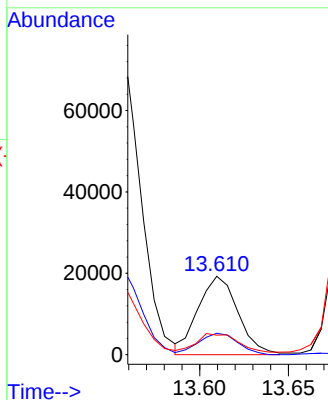
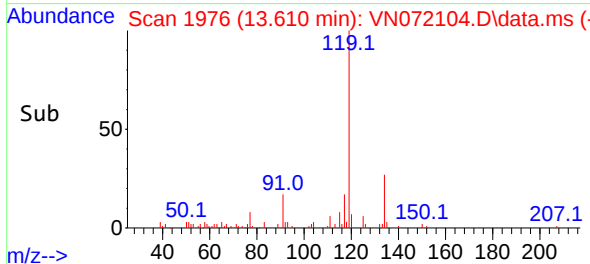
Instrument :
MSVOA_N
ClientSampleId :
MW-14



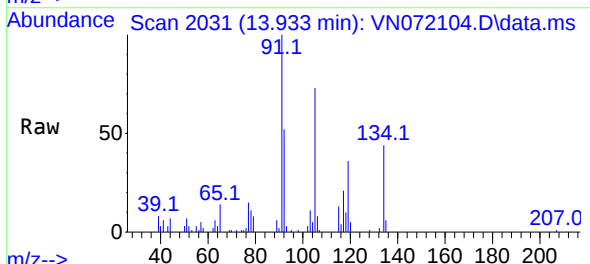
Tgt Ion: 119 Resp: 30054
Ion Ratio Lower Upper
119 100
134 120.4 13.3 39.8#
91 0.0 11.3 33.9#

Manual Integrations
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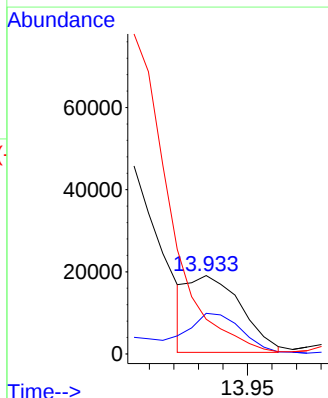
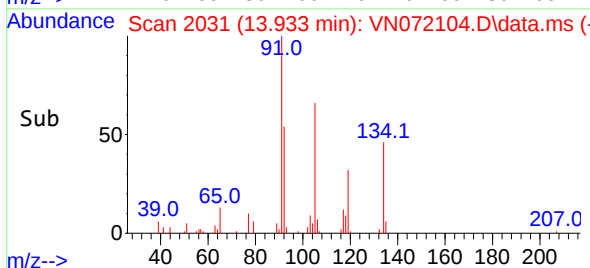
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

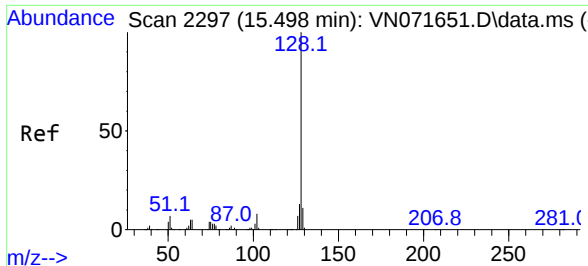


#89
n-Butylbenzene
Concen: 1.096 ug/l m
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42



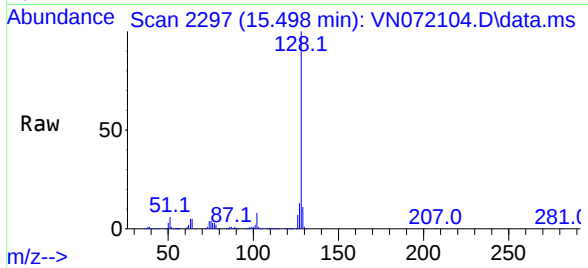
Tgt Ion: 91 Resp: 27964
Ion Ratio Lower Upper
91 100
92 206.4 26.9 80.7#
134 111.1 13.6 40.8#





#95
Naphthalene
Concen: 108.928 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072104.D
Acq: 21 Apr 2022 02:42

Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:128 Resp: 282579
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

